APPENDIX 5.3 BIG-1

AIR QUALITY TECHNICAL REPORT

*PART 15

4647	494863.09, 3859877.25	2.85E-03	8.99E-07	2.61E-07	2.91E-03	9.17E-07	2.67E-07	2.90E-03	9.16E-07	2.66E-07
4648	495363.09, 3859877.25	2.39E-03	7.53E-07	2.19E-07	2.43E-03	7.68E-07	2.24E-07	2.43E-03	7.67E-07	2.23E-07
4649	495863.09, 3859877.25	2.02E-03	6.37E-07	1.85E-07	2.06E-03	6.50E-07	1.89E-07	2.06E-03	6.49E-07	1.89E-07
4650	496363.09, 3859877.25	1.64E-03	5.18E-07	1.51E-07	1.68E-03	5.29E-07	1.54E-07	1.67E-03	5.28E-07	1.54E-07
4651	496863.09, 3859877.25	1.18E-03	3.74E-07	1.09E-07	1.21E-03	3.81E-07	1.11E-07	1.21E-03	3.81E-07	1.11E-07
4652	497363.09, 3859877.25	1.31E-03	4.13E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
4653	497863.09, 3859877.25	1.42E-03	4.50E-07	1.31E-07	1.45E-03	4.59E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
4654	498363.09, 3859877.25	1.42E-03	4.47E-07	1.30E-07	1.45E-03	4.56E-07	1.33E-07	1.44E-03	4.56E-07	1.33E-07
4655	471363.09, 3860377.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
4656	471863.09, 3860377.25	2.75E-04	8.68E-08	2.52E-08	2.81E-04	8.85E-08	2.58E-08	2.80E-04	8.84E-08	2.57E-08
4657	472363.09, 3860377.25	2.84E-04	8.97E-08	2.61E-08	2.90E-04	9.15E-08	2.66E-08	2.90E-04	9.14E-08	2.66E-08
4658	472863.09, 3860377.25	2.94E-04	9.27E-08	2.70E-08	3.00E-04	9.46E-08	2.75E-08	2.99E-04	9.45E-08	2.75E-08
4659	473363.09, 3860377.25	3.03E-04	9.55E-08	2.78E-08	3.09E-04	9.75E-08	2.83E-08	3.08E-04	9.73E-08	2.83E-08
4660	473863.09, 3860377.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
4661	474363.09, 3860377.25	3.12E-04	9.86E-08	2.87E-08	3.19E-04	1.01E-07	2.93E-08	3.18E-04	1.00E-07	2.92E-08
4662	474863.09, 3860377.25	3.07E-04	9.69E-08	2.82E-08	3.13E-04	9.89E-08	2.88E-08	3.13E-04	9.88E-08	2.87E-08
4663	475363.09, 3860377.25	2.83E-04	8.95E-08	2.60E-08	2.89E-04	9.13E-08	2.66E-08	2.89E-04	9.12E-08	2.65E-08
4664	475863.09, 3860377.25	2.51E-04	7.91E-08	2.30E-08	2.56E-04	8.08E-08	2.35E-08	2.56E-04	8.07E-08	2.35E-08
4665	476363.09, 3860377.25	2.07E-04	6.54E-08	1.90E-08	2.11E-04	6.67E-08	1.94E-08	2.11E-04	6.66E-08	1.94E-08
4666	476863.09, 3860377.25	1.88E-04	5.93E-08	1.73E-08	1.92E-04	6.05E-08	1.76E-08	1.92E-04	6.05E-08	1.76E-08
4667	477363.09, 3860377.25	1.15E-04	3.63E-08	1.05E-08	1.17E-04	3.70E-08	1.08E-08	1.17E-04	3.70E-08	1.08E-08
4668	477863.09, 3860377.25	1.45E-04	4.57E-08	1.33E-08	1.48E-04	4.66E-08	1.36E-08	1.47E-04	4.65E-08	1.35E-08
4669	478363.09, 3860377.25	2.37E-04	7.50E-08	2.18E-08	2.42E-04	7.65E-08	2.22E-08	2.42E-04	7.64E-08	2.22E-08
4670	478863.09, 3860377.25	2.99E-04	9.45E-08	2.75E-08	3.05E-04	9.64E-08	2.80E-08	3.05E-04	9.63E-08	2.80E-08
4671	479363.09, 3860377.25	3.53E-04	1.11E-07	3.24E-08	3.60E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.30E-08
4672	479863.09, 3860377.25	3.90E-04	1.23E-07	3.58E-08	3.97E-04	1.25E-07	3.65E-08	3.97E-04	1.25E-07	3.64E-08
4673	480363.09, 3860377.25	4.13E-04	1.30E-07	3.80E-08	4.22E-04	1.33E-07	3.87E-08	4.21E-04	1.33E-07	3.87E-08
4674	480863.09, 3860377.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.38E-04	1.38E-07	4.03E-08
4675	481363.09, 3860377.25	4.40E-04	1.39E-07	4.04E-08	4.49E-04	1.42E-07	4.12E-08	4.49E-04	1.42E-07	4.12E-08
4676	481863.09, 3860377.25	4.55E-04	1.43E-07	4.17E-08	4.64E-04	1.46E-07	4.26E-08	4.63E-04	1.46E-07	4.25E-08
4677	482363.09, 3860377.25	4.70E-04	1.48E-07	4.31E-08	4.79E-04	1.51E-07	4.40E-08	4.79E-04	1.51E-07	4.39E-08
4678	482863.09, 3860377.25	4.86E-04	1.54E-07	4.47E-08	4.96E-04	1.57E-07	4.56E-08	4.96E-04	1.56E-07	4.55E-08
4679	483363.09, 3860377.25	5.14E-04	1.62E-07	4.72E-08	5.25E-04	1.66E-07	4.82E-08	5.24E-04	1.65E-07	4.81E-08
4680	483863.09, 3860377.25	5.50E-04	1.74E-07	5.05E-08	5.61E-04	1.77E-07	5.15E-08	5.61E-04	1.77E-07	5.15E-08
4681	484363.09, 3860377.25	5.91E-04	1.87E-07	5.43E-08	6.03E-04	1.90E-07	5.54E-08	6.03E-04	1.90E-07	5.53E-08
4682	484863.09, 3860377.25	6.40E-04	2.02E-07	5.87E-08	6.53E-04	2.06E-07	5.99E-08	6.52E-04	2.06E-07	5.99E-08
4683	485363.09, 3860377.25	7.00E-04	2.21E-07	6.43E-08	7.14E-04	2.25E-07	6.56E-08	7.14E-04	2.25E-07	6.55E-08
4684	485863.09, 3860377.25	7.87E-04	2.48E-07	7.22E-08	8.03E-04	2.53E-07	7.37E-08	8.02E-04	2.53E-07	7.36E-08
4685	486363.09, 3860377.25	8.96E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
4686	486863.09, 3860377.25	1.03E-03	3.26E-07	9.47E-08	1.05E-03	3.32E-07	9.66E-08	1.05E-03	3.32E-07	9.65E-08
4687	487363.09, 3860377.25	1.21E-03	3.83E-07	1.11E-07	1.24E-03	3.91E-07	1.14E-07	1.24E-03	3.90E-07	1.13E-07
4688	487863.09, 3860377.25	1.50E-03	4.75E-07	1.38E-07	1.54E-03	4.85E-07	1.41E-07	1.53E-03	4.84E-07	1.41E-07
4689	488363.09, 3860377.25	1.90E-03	6.00E-07	1.75E-07	1.94E-03	6.12E-07	1.78E-07	1.94E-03	6.12E-07	1.78E-07
4690	488863.09, 3860377.25	2.43E-03	7.68E-07	2.23E-07	2.48E-03	7.83E-07	2.28E-07	2.48E-03	7.82E-07	2.28E-07
4691	489363.09, 3860377.25	3.11E-03	9.82E-07	2.86E-07	3.17E-03	1.00E-06	2.91E-07	3.17E-03	1.00E-06	2.91E-07
4692	489863.09, 3860377.25	4.12E-03	1.30E-06	3.79E-07	4.21E-03	1.33E-06	3.86E-07	4.20E-03	1.33E-06	3.86E-07
4693	490363.09, 3860377.25	5.51E-03	1.74E-06	5.05E-07	5.62E-03	1.77E-06	5.16E-07	5.61E-03	1.77E-06	5.15E-07
4694	490863.09, 3860377.25	8.12E-03	2.56E-06	7.46E-07	8.29E-03	2.62E-06	7.61E-07	8.28E-03	2.61E-06	7.60E-07
4695	491363.09, 3860377.25	1.80E-02	5.69E-06	1.65E-06	1.84E-02	5.80E-06	1.69E-06	1.84E-02	5.80E-06	1.69E-06
4696	491863.09, 3860377.25	3.61E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.39E-06	3.68E-02	1.16E-05	3.38E-06
4697	492363.09, 3860377.25	1.52E-02	4.81E-06	1.40E-06	1.55E-02	4.91E-06	1.43E-06	1.55E-02	4.90E-06	1.43E-06
4698	492863.09, 3860377.25	8.99E-03	2.84E-06	8.25E-07	9.17E-03	2.89E-06	8.42E-07	9.16E-03	2.89E-06	8.41E-07
4699	493363.09, 3860377.25	6.07E-03	1.92E-06	5.57E-07	6.20E-03	1.96E-06	5.69E-07	6.19E-03	1.95E-06	5.68E-07
4700	493863.09, 3860377.25	4.71E-03	1.49E-06	4.33E-07	4.81E-03	1.52E-06	4.42E-07	4.81E-03	1.52E-06	4.41E-07
4701	494363.09, 3860377.25	3.72E-03	1.17E-06	3.42E-07	3.80E-03	1.20E-06	3.49E-07	3.79E-03	1.20E-06	3.48E-07
4702	494863.09, 3860377.25	3.15E-03	9.93E-07	2.89E-07	3.21E-03	1.01E-06	2.95E-07	3.21E-03	1.01E-06	2.94E-07
4703	495363.09, 3860377.25	2.64E-03	8.32E-07	2.42E-07	2.69E-03	8.49E-07	2.47E-07	2.69E-03	8.48E-07	2.47E-07
4704	495863.09, 3860377.25	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.79E-07	1.98E-07	2.15E-03	6.78E-07	1.97E-07
4705	496363.09, 3860377.25	1.70E-03	5.36E-07	1.56E-07	1.73E-03	5.47E-07	1.59E-07	1.73E-03	5.46E-07	1.59E-07
4706	496863.09, 3860377.25	1.43E-03	4.52E-07	1.32E-07	1.46E-03	4.61E-07	1.34E-07	1.46E-03	4.61E-07	1.34E-07
4707	497363.09, 3860377.25	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.84E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
4708	497863.09, 3860377.25	1.30E-03	4.11E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.33E-03	4.19E-07	1.22E-07

4709	498363.09, 3860377.25	1.34E-03	4.23E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.31E-07	1.26E-07
4710	471363.09, 3860877.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.34E-08	2.43E-08	2.64E-04	8.33E-08	2.42E-08
4711	471863.09, 3860877.25	2.67E-04	8.43E-08	2.45E-08	2.72E-04	8.60E-08	2.50E-08	2.72E-04	8.59E-08	2.50E-08
4712	472363.09, 3860877.25	2.75E-04	8.67E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.83E-08	2.57E-08
4713	472863.09, 3860877.25	2.83E-04	8.94E-08	2.60E-08	2.89E-04	9.12E-08	2.65E-08	2.89E-04	9.11E-08	2.65E-08
4714	473363.09, 3860877.25	2.91E-04	9.17E-08	2.67E-08	2.96E-04	9.36E-08	2.72E-08	2.96E-04	9.35E-08	2.72E-08
4715	473863.09, 3860877.25	2.98E-04	9.39E-08	2.73E-08	3.04E-04	9.58E-08	2.79E-08	3.03E-04	9.57E-08	2.78E-08
4716	474363.09, 3860877.25	3.04E-04	9.60E-08	2.79E-08	3.10E-04	9.79E-08	2.85E-08	3.10E-04	9.78E-08	2.85E-08
4717	474863.09, 3860877.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
4718	475363.09, 3860877.25	3.09E-04	9.76E-08	2.84E-08	3.15E-04	9.95E-08	2.90E-08	3.15E-04	9.94E-08	2.89E-08
4719	475863.09, 3860877.25	3.01E-04	9.49E-08	2.76E-08	3.07E-04	9.68E-08	2.82E-08	3.06E-04	9.67E-08	2.81E-08
4720	476363.09, 3860877.25	2.79E-04	8.82E-08	2.56E-08	2.85E-04	9.00E-08	2.62E-08	2.85E-04	8.99E-08	2.61E-08
4721	476863.09, 3860877.25	2.69E-04	8.49E-08	2.47E-08	2.75E-04	8.66E-08	2.52E-08	2.74E-04	8.65E-08	2.52E-08
4722	477363.09, 3860877.25	2.71E-04	8.54E-08	2.48E-08	2.76E-04	8.71E-08	2.53E-08	2.76E-04	8.70E-08	2.53E-08
4723	477863.09, 3860877.25	2.44E-04	7.70E-08	2.24E-08	2.49E-04	7.86E-08	2.29E-08	2.49E-04	7.85E-08	2.28E-08
4724	478363.09, 3860877.25	1.64E-04	5.17E-08	1.50E-08	1.67E-04	5.28E-08	1.53E-08	1.67E-04	5.27E-08	1.53E-08
4725	478863.09, 3860877.25	2.79E-04	8.80E-08	2.56E-08	2.84E-04	8.98E-08	2.61E-08	2.84E-04	8.97E-08	2.61E-08
4726	479363.09, 3860877.25	3.37E-04	1.06E-07	3.09E-08	3.43E-04	1.08E-07	3.15E-08	3.43E-04	1.08E-07	3.15E-08
4727	479863.09, 3860877.25	3.71E-04	1.17E-07	3.41E-08	3.79E-04	1.20E-07	3.48E-08	3.78E-04	1.19E-07	3.47E-08
4728	480363.09, 3860877.25	3.94E-04	1.24E-07	3.61E-08	4.02E-04	1.27E-07	3.69E-08	4.01E-04	1.27E-07	3.68E-08
4729	480863.09, 3860877.25	4.06E-04	1.28E-07	3.73E-08	4.14E-04	1.31E-07	3.80E-08	4.14E-04	1.31E-07	3.80E-08
4730	481363.09, 3860877.25	4.17E-04	1.32E-07	3.83E-08	4.26E-04	1.34E-07	3.91E-08	4.25E-04	1.34E-07	3.90E-08
4731	481863.09, 3860877.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.38E-04	1.38E-07	4.03E-08
4732	482363.09, 3860877.25	4.47E-04	1.41E-07	4.10E-08	4.56E-04	1.44E-07	4.19E-08	4.56E-04	1.44E-07	4.18E-08
4733	482863.09, 3860877.25	4.66E-04	1.47E-07	4.28E-08	4.76E-04	1.50E-07	4.37E-08	4.75E-04	1.50E-07	4.36E-08
4734	483363.09, 3860877.25	4.93E-04	1.55E-07	4.52E-08	5.03E-04	1.59E-07	4.62E-08	5.02E-04	1.58E-07	4.61E-08
4735	483863.09, 3860877.25	5.28E-04	1.67E-07	4.85E-08	5.39E-04	1.70E-07	4.95E-08	5.38E-04	1.70E-07	4.94E-08
4736	484363.09, 3860877.25	5.71E-04	1.80E-07	5.25E-08	5.83E-04	1.84E-07	5.35E-08	5.82E-04	1.84E-07	5.35E-08
4737	484863.09, 3860877.25	6.13E-04	1.94E-07	5.63E-08	6.26E-04	1.97E-07	5.74E-08	6.25E-04	1.97E-07	5.74E-08
4738	485363.09, 3860877.25	6.72E-04	2.12E-07	6.17E-08	6.86E-04	2.16E-07	6.29E-08	6.85E-04	2.16E-07	6.29E-08
4739	485863.09, 3860877.25	7.43E-04	2.34E-07	6.82E-08	7.58E-04	2.39E-07	6.96E-08	7.57E-04	2.39E-07	6.95E-08
4740	486363.09, 3860877.25	8.17E-04	2.58E-07	7.50E-08	8.33E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.64E-08
4741	486863.09, 3860877.25	9.20E-04	2.90E-07	8.44E-08	9.38E-04	2.96E-07	8.62E-08	9.37E-04	2.96E-07	8.60E-08
4742	487363.09, 3860877.25	1.06E-03	3.34E-07	9.71E-08	1.08E-03	3.41E-07	9.91E-08	1.08E-03	3.40E-07	9.90E-08
4743	487863.09, 3860877.25	1.24E-03	3.90E-07	1.14E-07	1.26E-03	3.98E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
4744	488363.09, 3860877.25	1.51E-03	4.76E-07	1.39E-07	1.54E-03	4.86E-07	1.41E-07	1.54E-03	4.86E-07	1.41E-07
4745	488863.09, 3860877.25	1.75E-03	5.53E-07	1.61E-07	1.79E-03	5.64E-07	1.64E-07	1.79E-03	5.64E-07	1.64E-07
4746	489363.09, 3860877.25	2.11E-03	6.66E-07	1.94E-07	2.15E-03	6.80E-07	1.98E-07	2.15E-03	6.79E-07	1.97E-07
4747	489863.09, 3860877.25	2.40E-03	7.58E-07	2.21E-07	2.45E-03	7.74E-07	2.25E-07	2.45E-03	7.73E-07	2.25E-07
4748	490363.09, 3860877.25	2.90E-03	9.16E-07	2.67E-07	2.96E-03	9.35E-07	2.72E-07	2.96E-03	9.34E-07	2.72E-07
4749	490863.09, 3860877.25	3.56E-03	1.12E-06	3.27E-07	3.63E-03	1.15E-06	3.33E-07	3.63E-03	1.15E-06	3.33E-07
4750	491363.09, 3860877.25	4.28E-03	1.35E-06	3.93E-07	4.36E-03	1.38E-06	4.01E-07	4.36E-03	1.38E-06	4.00E-07
4751	491863.09, 3860877.25	4.65E-03	1.47E-06	4.27E-07	4.74E-03	1.50E-06	4.35E-07	4.74E-03	1.49E-06	4.35E-07
4752	492363.09, 3860877.25	4.50E-03	1.42E-06	4.13E-07	4.59E-03	1.45E-06	4.22E-07	4.59E-03	1.45E-06	4.21E-07
4753	492863.09, 3860877.25	4.37E-03	1.38E-06	4.01E-07	4.46E-03	1.41E-06	4.09E-07	4.45E-03	1.40E-06	4.09E-07
4754	493363.09, 3860877.25	3.88E-03	1.22E-06	3.56E-07	3.96E-03	1.25E-06	3.64E-07	3.96E-03	1.25E-06	3.63E-07
4755	493863.09, 3860877.25	3.29E-03	1.04E-06	3.02E-07	3.36E-03	1.06E-06	3.08E-07	3.35E-03	1.06E-06	3.08E-07
4756	494363.09, 3860877.25	2.84E-03	8.96E-07	2.61E-07	2.90E-03	9.14E-07	2.66E-07	2.89E-03	9.13E-07	2.66E-07
4757	494863.09, 3860877.25	2.49E-03	7.86E-07	2.29E-07	2.54E-03	8.02E-07	2.33E-07	2.54E-03	8.01E-07	2.33E-07
4758	495363.09, 3860877.25	2.22E-03	6.99E-07	2.03E-07	2.26E-03	7.14E-07	2.08E-07	2.26E-03	7.13E-07	2.07E-07
4759	495863.09, 3860877.25	1.98E-03	6.24E-07	1.82E-07	2.02E-03	6.37E-07	1.85E-07	2.02E-03	6.36E-07	1.85E-07
4760	496363.09, 3860877.25	1.79E-03	5.66E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
4761	496863.09, 3860877.25	1.52E-03	4.79E-07	1.39E-07	1.55E-03	4.89E-07	1.42E-07	1.55E-03	4.89E-07	1.42E-07
4762	497363.09, 3860877.25	1.40E-03	4.43E-07	1.29E-07	1.43E-03	4.52E-07	1.31E-07	1.43E-03	4.51E-07	1.31E-07
4763	497863.09, 3860877.25	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
4764	498363.09, 3860877.25	1.25E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.01E-07	1.17E-07
4765	471363.09, 3861377.25	2.52E-04	7.96E-08	2.32E-08	2.57E-04	8.12E-08	2.36E-08	2.57E-04	8.11E-08	2.36E-08
4766	471863.09, 3861377.25	2.59E-04	8.18E-08	2.38E-08	2.65E-04	8.35E-08	2.43E-08	2.64E-04	8.34E-08	2.43E-08
4767	472363.09, 3861377.25	2.66E-04	8.40E-08	2.44E-08	2.72E-04	8.57E-08	2.49E-08	2.71E-04	8.56E-08	2.49E-08
4768	472863.09, 3861377.25	2.73E-04	8.63E-08	2.51E-08	2.79E-04	8.81E-08	2.56E-08	2.79E-04	8.80E-08	2.56E-08
4769	473363.09, 3861377.25	2.80E-04	8.84E-08	2.57E-08	2.86E-04	9.02E-08	2.63E-08	2.86E-04	9.01E-08	2.62E-08
4770	473863.09, 3861377.25	2.87E-04	9.05E-08	2.63E-08	2.93E-04	9.23E-08	2.69E-08	2.92E-04	9.22E-08	2.68E-08

4771	474363.09, 3861377.25	2.94E-04	9.28E-08	2.70E-08	3.00E-04	9.47E-08	2.75E-08	3.00E-04	9.46E-08	2.75E-08
4772	474863.09, 3861377.25	2.99E-04	9.45E-08	2.75E-08	3.05E-04	9.64E-08	2.80E-08	3.05E-04	9.63E-08	2.80E-08
4773	475363.09, 3861377.25	3.07E-04	9.68E-08	2.82E-08	3.13E-04	9.88E-08	2.87E-08	3.13E-04	9.87E-08	2.87E-08
4774	475863.09, 3861377.25	3.09E-04	9.76E-08	2.84E-08	3.15E-04	9.95E-08	2.90E-08	3.15E-04	9.94E-08	2.89E-08
4775	476363.09, 3861377.25	3.07E-04	9.68E-08	2.82E-08	3.13E-04	9.88E-08	2.87E-08	3.13E-04	9.87E-08	2.87E-08
4776	476863.09, 3861377.25	3.04E-04	9.59E-08	2.79E-08	3.10E-04	9.78E-08	2.85E-08	3.10E-04	9.77E-08	2.84E-08
4777	477363.09, 3861377.25	3.03E-04	9.55E-08	2.78E-08	3.09E-04	9.75E-08	2.83E-08	3.08E-04	9.73E-08	2.83E-08
4778	477863.09, 3861377.25	2.69E-04	8.50E-08	2.47E-08	2.75E-04	8.67E-08	2.52E-08	2.74E-04	8.66E-08	2.52E-08
4779	478363.09, 3861377.25	1.88E-04	5.93E-08	1.73E-08	1.92E-04	6.05E-08	1.76E-08	1.92E-04	6.05E-08	1.76E-08
4780	478863.09, 3861377.25	2.16E-04	6.82E-08	1.98E-08	2.20E-04	6.96E-08	2.02E-08	2.20E-04	6.95E-08	2.02E-08
4781	479363.09, 3861377.25	3.11E-04	9.82E-08	2.86E-08	3.18E-04	1.00E-07	2.91E-08	3.17E-04	1.00E-07	2.91E-08
4782	479863.09, 3861377.25	3.51E-04	1.11E-07	3.22E-08	3.58E-04	1.13E-07	3.29E-08	3.58E-04	1.13E-07	3.28E-08
4783	480363.09, 3861377.25	3.76E-04	1.19E-07	3.45E-08	3.84E-04	1.21E-07	3.52E-08	3.83E-04	1.21E-07	3.52E-08
4784	480863.09, 3861377.25	3.87E-04	1.22E-07	3.56E-08	3.95E-04	1.25E-07	3.63E-08	3.95E-04	1.25E-07	3.63E-08
4785	481363.09, 3861377.25	3.99E-04	1.26E-07	3.67E-08	4.07E-04	1.29E-07	3.74E-08	4.07E-04	1.28E-07	3.74E-08
4786	481863.09, 3861377.25	4.14E-04	1.31E-07	3.80E-08	4.22E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.87E-08
4787	482363.09, 3861377.25	4.31E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.39E-04	1.38E-07	4.03E-08
4788	482863.09, 3861377.25	4.49E-04	1.42E-07	4.12E-08	4.58E-04	1.45E-07	4.21E-08	4.58E-04	1.44E-07	4.20E-08
4789	483363.09, 3861377.25	4.74E-04	1.50E-07	4.35E-08	4.84E-04	1.53E-07	4.44E-08	4.83E-04	1.53E-07	4.44E-08
4790	483863.09, 3861377.25	5.10E-04	1.61E-07	4.68E-08	5.20E-04	1.64E-07	4.78E-08	5.20E-04	1.64E-07	4.77E-08
4791	484363.09, 3861377.25	5.49E-04	1.73E-07	5.04E-08	5.60E-04	1.77E-07	5.15E-08	5.60E-04	1.77E-07	5.14E-08
4792	484863.09, 3861377.25	5.87E-04	1.85E-07	5.39E-08	5.99E-04	1.89E-07	5.50E-08	5.99E-04	1.89E-07	5.49E-08
4793	485363.09, 3861377.25	6.22E-04	1.96E-07	5.71E-08	6.35E-04	2.00E-07	5.83E-08	6.34E-04	2.00E-07	5.82E-08
4794	485863.09, 3861377.25	6.75E-04	2.13E-07	6.19E-08	6.89E-04	2.17E-07	6.32E-08	6.88E-04	2.17E-07	6.31E-08
4795	486363.09, 3861377.25	7.36E-04	2.32E-07	6.75E-08	7.51E-04	2.37E-07	6.89E-08	7.50E-04	2.37E-07	6.88E-08
4796	486863.09, 3861377.25	8.17E-04	2.58E-07	7.50E-08	8.33E-04	2.63E-07	7.65E-08	8.33E-04	2.63E-07	7.64E-08
4797	487363.09, 3861377.25	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
4798	487863.09, 3861377.25	1.04E-03	3.28E-07	9.53E-08	1.06E-03	3.34E-07	9.72E-08	1.06E-03	3.34E-07	9.71E-08
4799	488363.09, 3861377.25	1.16E-03	3.67E-07	1.07E-07	1.19E-03	3.75E-07	1.09E-07	1.19E-03	3.74E-07	1.09E-07
4800	488863.09, 3861377.25	1.33E-03	4.19E-07	1.22E-07	1.35E-03	4.27E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
4801	489363.09, 3861377.25	1.47E-03	4.64E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.72E-07	1.37E-07
4802	489863.09, 3861377.25	1.64E-03	5.17E-07	1.50E-07	1.67E-03	5.27E-07	1.53E-07	1.67E-03	5.27E-07	1.53E-07
4803	490363.09, 3861377.25	1.77E-03	5.59E-07	1.63E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.70E-07	1.66E-07
4804	490863.09, 3861377.25	1.94E-03	6.13E-07	1.78E-07	1.98E-03	6.25E-07	1.82E-07	1.98E-03	6.24E-07	1.82E-07
4805	491363.09, 3861377.25	2.04E-03	6.44E-07	1.87E-07	2.08E-03	6.57E-07	1.91E-07	2.08E-03	6.56E-07	1.91E-07
4806	491863.09, 3861377.25	2.01E-03	6.34E-07	1.84E-07	2.05E-03	6.47E-07	1.88E-07	2.05E-03	6.46E-07	1.88E-07
4807	492363.09, 3861377.25	2.03E-03	6.41E-07	1.86E-07	2.07E-03	6.54E-07	1.90E-07	2.07E-03	6.53E-07	1.90E-07
4808	492863.09, 3861377.25	1.96E-03	6.18E-07	1.80E-07	2.00E-03	6.31E-07	1.84E-07	2.00E-03	6.30E-07	1.83E-07
4809	493363.09, 3861377.25	2.02E-03	6.38E-07	1.86E-07	2.06E-03	6.51E-07	1.89E-07	2.06E-03	6.50E-07	1.89E-07
4810	493863.09, 3861377.25	1.97E-03	6.23E-07	1.81E-07	2.01E-03	6.36E-07	1.85E-07	2.01E-03	6.35E-07	1.85E-07
4811	494363.09, 3861377.25	1.84E-03	5.81E-07	1.69E-07	1.88E-03	5.93E-07	1.72E-07	1.88E-03	5.92E-07	1.72E-07
4812	494863.09, 3861377.25	1.72E-03	5.43E-07	1.58E-07	1.75E-03	5.54E-07	1.61E-07	1.75E-03	5.53E-07	1.61E-07
4813	495363.09, 3861377.25	1.60E-03	5.06E-07	1.47E-07	1.64E-03	5.16E-07	1.50E-07	1.63E-03	5.16E-07	1.50E-07
4814	495863.09, 3861377.25	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.79E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
4815	496363.09, 3861377.25	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.56E-07	1.33E-07	1.44E-03	4.55E-07	1.32E-07
4816	496863.09, 3861377.25	1.35E-03	4.26E-07	1.24E-07	1.38E-03	4.35E-07	1.26E-07	1.38E-03	4.34E-07	1.26E-07
4817	497363.09, 3861377.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.09E-07	1.19E-07	1.29E-03	4.08E-07	1.19E-07
4818	497863.09, 3861377.25	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
4819	498363.09, 3861377.25	1.13E-03	3.57E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
4820	471363.09, 3861877.25	2.43E-04	7.68E-08	2.23E-08	2.48E-04	7.84E-08	2.28E-08	2.48E-04	7.83E-08	2.28E-08
4821	471863.09, 3861877.25	2.49E-04	7.87E-08	2.29E-08	2.54E-04	8.03E-08	2.34E-08	2.54E-04	8.02E-08	2.33E-08
4822	472363.09, 3861877.25	2.55E-04	8.06E-08	2.35E-08	2.61E-04	8.23E-08	2.39E-08	2.60E-04	8.22E-08	2.39E-08
4823	472863.09, 3861877.25	2.62E-04	8.28E-08	2.41E-08	2.68E-04	8.45E-08	2.46E-08	2.67E-04	8.44E-08	2.45E-08
4824	473363.09, 3861877.25	2.69E-04	8.48E-08	2.47E-08	2.74E-04	8.65E-08	2.52E-08	2.74E-04	8.64E-08	2.51E-08
4825	473863.09, 3861877.25	2.75E-04	8.68E-08	2.52E-08	2.81E-04	8.85E-08	2.58E-08	2.80E-04	8.84E-08	2.57E-08
4826	474363.09, 3861877.25	2.81E-04	8.88E-08	2.58E-08	2.87E-04	9.06E-08	2.64E-08	2.87E-04	9.05E-08	2.63E-08
4827	474863.09, 3861877.25	2.87E-04	9.06E-08	2.63E-08	2.93E-04	9.24E-08	2.69E-08	2.93E-04	9.23E-08	2.69E-08
4828	475363.09, 3861877.25	2.92E-04	9.23E-08	2.68E-08	2.98E-04	9.41E-08	2.74E-08	2.98E-04	9.40E-08	2.74E-08
4829	475863.09, 3861877.25	2.97E-04	9.38E-08	2.73E-08	3.03E-04	9.58E-08	2.79E-08	3.03E-04	9.56E-08	2.78E-08
4830	476363.09, 3861877.25	3.01E-04	9.51E-08	2.77E-08	3.08E-04	9.71E-08	2.82E-08	3.07E-04	9.70E-08	2.82E-08
4831	476863.09, 3861877.25	3.03E-04	9.56E-08	2.78E-08	3.09E-04	9.76E-08	2.84E-08	3.09E-04	9.74E-08	2.83E-08
4832	477363.09, 3861877.25	3.02E-04	9.52E-08	2.77E-08	3.08E-04	9.72E-08	2.83E-08	3.08E-04	9.71E-08	2.82E-08

4833	477863.09, 3861877.25	2.61E-04	8.23E-08	2.39E-08	2.66E-04	8.40E-08	2.44E-08	2.66E-04	8.39E-08	2.44E-08
4834	478363.09, 3861877.25	1.59E-04	5.02E-08	1.46E-08	1.62E-04	5.12E-08	1.49E-08	1.62E-04	5.12E-08	1.49E-08
4835	478863.09, 3861877.25	2.27E-04	7.15E-08	2.08E-08	2.31E-04	7.30E-08	2.12E-08	2.31E-04	7.29E-08	2.12E-08
4836	479363.09, 3861877.25	2.10E-04	6.63E-08	1.93E-08	2.14E-04	6.77E-08	1.97E-08	2.14E-04	6.76E-08	1.97E-08
4837	479863.09, 3861877.25	3.32E-04	1.05E-07	3.05E-08	3.39E-04	1.07E-07	3.11E-08	3.39E-04	1.07E-07	3.11E-08
4838	480363.09, 3861877.25	3.59E-04	1.13E-07	3.30E-08	3.67E-04	1.16E-07	3.37E-08	3.66E-04	1.16E-07	3.36E-08
4839	480863.09, 3861877.25	3.70E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.77E-04	1.19E-07	3.46E-08
4840	481363.09, 3861877.25	3.81E-04	1.20E-07	3.50E-08	3.88E-04	1.23E-07	3.57E-08	3.88E-04	1.22E-07	3.56E-08
4841	481863.09, 3861877.25	3.94E-04	1.24E-07	3.62E-08	4.02E-04	1.27E-07	3.69E-08	4.02E-04	1.27E-07	3.69E-08
4842	482363.09, 3861877.25	4.10E-04	1.30E-07	3.77E-08	4.19E-04	1.32E-07	3.85E-08	4.18E-04	1.32E-07	3.84E-08
4843	482863.09, 3861877.25	4.31E-04	1.36E-07	3.95E-08	4.40E-04	1.39E-07	4.04E-08	4.39E-04	1.39E-07	4.03E-08
4844	483363.09, 3861877.25	4.56E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.27E-08	4.64E-04	1.47E-07	4.26E-08
4845	483863.09, 3861877.25	4.84E-04	1.53E-07	4.44E-08	4.93E-04	1.56E-07	4.53E-08	4.93E-04	1.56E-07	4.52E-08
4846	484363.09, 3861877.25	5.12E-04	1.62E-07	4.70E-08	5.22E-04	1.65E-07	4.79E-08	5.22E-04	1.65E-07	4.79E-08
4847	484863.09, 3861877.25	5.44E-04	1.72E-07	4.99E-08	5.55E-04	1.75E-07	5.09E-08	5.54E-04	1.75E-07	5.09E-08
4848	485363.09, 3861877.25	5.78E-04	1.82E-07	5.30E-08	5.90E-04	1.86E-07	5.41E-08	5.89E-04	1.86E-07	5.41E-08
4849	485863.09, 3861877.25	6.12E-04	1.93E-07	5.62E-08	6.24E-04	1.97E-07	5.73E-08	6.23E-04	1.97E-07	5.72E-08
4850	486363.09, 3861877.25	6.61E-04	2.09E-07	6.07E-08	6.75E-04	2.13E-07	6.19E-08	6.74E-04	2.13E-07	6.19E-08
4851	486863.09, 3861877.25	7.23E-04	2.28E-07	6.64E-08	7.38E-04	2.33E-07	6.78E-08	7.37E-04	2.33E-07	6.77E-08
4852	487363.09, 3861877.25	7.98E-04	2.52E-07	7.33E-08	8.15E-04	2.57E-07	7.48E-08	8.14E-04	2.57E-07	7.47E-08
4853	487863.09, 3861877.25	8.74E-04	2.76E-07	8.02E-08	8.92E-04	2.81E-07	8.19E-08	8.91E-04	2.81E-07	8.18E-08
4854	488363.09, 3861877.25	9.54E-04	3.01E-07	8.75E-08	9.73E-04	3.07E-07	8.93E-08	9.72E-04	3.07E-07	8.92E-08
4855	488863.09, 3861877.25	1.03E-03	3.26E-07	9.48E-08	1.05E-03	3.33E-07	9.68E-08	1.05E-03	3.32E-07	9.67E-08
4856	489363.09, 3861877.25	1.09E-03	3.44E-07	1.00E-07	1.11E-03	3.51E-07	1.02E-07	1.11E-03	3.51E-07	1.02E-07
4857	489863.09, 3861877.25	1.17E-03	3.68E-07	1.07E-07	1.19E-03	3.76E-07	1.09E-07	1.19E-03	3.75E-07	1.09E-07
4858	490363.09, 3861877.25	1.22E-03	3.85E-07	1.12E-07	1.25E-03	3.93E-07	1.14E-07	1.24E-03	3.93E-07	1.14E-07
4859	490863.09, 3861877.25	1.27E-03	4.00E-07	1.16E-07	1.29E-03	4.08E-07	1.19E-07	1.29E-03	4.07E-07	1.18E-07
4860	491363.09, 3861877.25	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.19E-07
4861	491863.09, 3861877.25	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.20E-07
4862	492363.09, 3861877.25	1.26E-03	3.99E-07	1.16E-07	1.29E-03	4.07E-07	1.19E-07	1.29E-03	4.07E-07	1.18E-07
4863	492863.09, 3861877.25	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
4864	493363.09, 3861877.25	1.23E-03	3.88E-07	1.13E-07	1.26E-03	3.96E-07	1.15E-07	1.25E-03	3.96E-07	1.15E-07
4865	493863.09, 3861877.25	1.21E-03	3.82E-07	1.11E-07	1.23E-03	3.90E-07	1.13E-07	1.23E-03	3.89E-07	1.13E-07
4866	494363.09, 3861877.25	1.25E-03	3.96E-07	1.15E-07	1.28E-03	4.04E-07	1.17E-07	1.28E-03	4.03E-07	1.17E-07
4867	494863.09, 3861877.25	1.24E-03	3.91E-07	1.14E-07	1.27E-03	3.99E-07	1.16E-07	1.26E-03	3.99E-07	1.16E-07
4868	495363.09, 3861877.25	1.18E-03	3.73E-07	1.08E-07	1.21E-03	3.80E-07	1.11E-07	1.20E-03	3.80E-07	1.11E-07
4869	495863.09, 3861877.25	1.12E-03	3.55E-07	1.03E-07	1.15E-03	3.62E-07	1.05E-07	1.14E-03	3.61E-07	1.05E-07
4870	496363.09, 3861877.25	1.08E-03	3.40E-07	9.89E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.47E-07	1.01E-07
4871	496863.09, 3861877.25	1.08E-03	3.40E-07	9.88E-08	1.10E-03	3.47E-07	1.01E-07	1.10E-03	3.46E-07	1.01E-07
4872	497363.09, 3861877.25	1.01E-03	3.20E-07	9.30E-08	1.03E-03	3.26E-07	9.49E-08	1.03E-03	3.26E-07	9.48E-08
4873	497863.09, 3861877.25	9.63E-04	3.04E-07	8.84E-08	9.83E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.01E-08
4874	498363.09, 3861877.25	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
4875	471363.09, 3862377.25	2.33E-04	7.35E-08	2.14E-08	2.38E-04	7.50E-08	2.18E-08	2.37E-04	7.49E-08	2.18E-08
4876	471863.09, 3862377.25	2.38E-04	7.51E-08	2.19E-08	2.43E-04	7.67E-08	2.23E-08	2.43E-04	7.66E-08	2.23E-08
4877	472363.09, 3862377.25	2.44E-04	7.70E-08	2.24E-08	2.49E-04	7.86E-08	2.29E-08	2.49E-04	7.85E-08	2.28E-08
4878	472863.09, 3862377.25	2.50E-04	7.89E-08	2.29E-08	2.55E-04	8.05E-08	2.34E-08	2.55E-04	8.04E-08	2.34E-08
4879	473363.09, 3862377.25	2.56E-04	8.08E-08	2.35E-08	2.61E-04	8.25E-08	2.40E-08	2.61E-04	8.24E-08	2.40E-08
4880	473863.09, 3862377.25	2.62E-04	8.28E-08	2.41E-08	2.68E-04	8.45E-08	2.46E-08	2.67E-04	8.44E-08	2.45E-08
4881	474363.09, 3862377.25	2.68E-04	8.46E-08	2.46E-08	2.74E-04	8.64E-08	2.51E-08	2.73E-04	8.63E-08	2.51E-08
4882	474863.09, 3862377.25	2.72E-04	8.58E-08	2.50E-08	2.78E-04	8.76E-08	2.55E-08	2.77E-04	8.75E-08	2.54E-08
4883	475363.09, 3862377.25	2.77E-04	8.73E-08	2.54E-08	2.82E-04	8.91E-08	2.59E-08	2.82E-04	8.90E-08	2.59E-08
4884	475863.09, 3862377.25	2.81E-04	8.87E-08	2.58E-08	2.87E-04	9.05E-08	2.63E-08	2.87E-04	9.04E-08	2.63E-08
4885	476363.09, 3862377.25	2.86E-04	9.02E-08	2.62E-08	2.92E-04	9.21E-08	2.68E-08	2.91E-04	9.19E-08	2.67E-08
4886	476863.09, 3862377.25	2.91E-04	9.19E-08	2.67E-08	2.97E-04	9.38E-08	2.73E-08	2.97E-04	9.37E-08	2.72E-08
4887	477363.09, 3862377.25	2.93E-04	9.23E-08	2.69E-08	2.99E-04	9.42E-08	2.74E-08	2.98E-04	9.41E-08	2.74E-08
4888	477863.09, 3862377.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
4889	478363.09, 3862377.25	2.31E-04	7.30E-08	2.12E-08	2.36E-04	7.45E-08	2.17E-08	2.36E-04	7.44E-08	2.16E-08
4890	478863.09, 3862377.25	2.37E-04	7.50E-08	2.18E-08	2.42E-04	7.65E-08	2.22E-08	2.42E-04	7.64E-08	2.22E-08
4891	479363.09, 3862377.25	2.63E-04	8.30E-08	2.41E-08	2.68E-04	8.47E-08	2.46E-08	2.68E-04	8.46E-08	2.46E-08
4892	479863.09, 3862377.25	3.25E-04	1.03E-07	2.98E-08	3.32E-04	1.05E-07	3.04E-08	3.31E-04	1.05E-07	3.04E-08
4893	480363.09, 3862377.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.50E-04	1.11E-07	3.22E-08
4894	480863.09, 3862377.25	3.53E-04	1.11E-07	3.24E-08	3.60E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.30E-08

4895	481363.09, 3862377.25	3.65E-04	1.15E-07	3.35E-08	3.73E-04	1.18E-07	3.42E-08	3.72E-04	1.17E-07	3.42E-08
4896	481863.09, 3862377.25	3.80E-04	1.20E-07	3.49E-08	3.88E-04	1.22E-07	3.56E-08	3.87E-04	1.22E-07	3.55E-08
4897	482363.09, 3862377.25	3.96E-04	1.25E-07	3.64E-08	4.04E-04	1.28E-07	3.71E-08	4.04E-04	1.27E-07	3.71E-08
4898	482863.09, 3862377.25	4.13E-04	1.30E-07	3.79E-08	4.21E-04	1.33E-07	3.86E-08	4.20E-04	1.33E-07	3.86E-08
4899	483363.09, 3862377.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.38E-04	1.38E-07	4.03E-08
4900	483863.09, 3862377.25	4.51E-04	1.42E-07	4.14E-08	4.60E-04	1.45E-07	4.22E-08	4.59E-04	1.45E-07	4.22E-08
4901	484363.09, 3862377.25	4.76E-04	1.50E-07	4.37E-08	4.86E-04	1.53E-07	4.46E-08	4.85E-04	1.53E-07	4.45E-08
4902	484863.09, 3862377.25	5.01E-04	1.58E-07	4.60E-08	5.11E-04	1.61E-07	4.69E-08	5.11E-04	1.61E-07	4.69E-08
4903	485363.09, 3862377.25	5.25E-04	1.66E-07	4.82E-08	5.36E-04	1.69E-07	4.92E-08	5.35E-04	1.69E-07	4.91E-08
4904	485863.09, 3862377.25	5.56E-04	1.75E-07	5.10E-08	5.67E-04	1.79E-07	5.21E-08	5.67E-04	1.79E-07	5.20E-08
4905	486363.09, 3862377.25	5.91E-04	1.86E-07	5.42E-08	6.03E-04	1.90E-07	5.53E-08	6.02E-04	1.90E-07	5.53E-08
4906	486863.09, 3862377.25	6.35E-04	2.01E-07	5.83E-08	6.48E-04	2.05E-07	5.95E-08	6.48E-04	2.04E-07	5.94E-08
4907	487363.09, 3862377.25	6.86E-04	2.17E-07	6.30E-08	7.00E-04	2.21E-07	6.43E-08	6.99E-04	2.21E-07	6.42E-08
4908	487863.09, 3862377.25	7.36E-04	2.32E-07	6.76E-08	7.51E-04	2.37E-07	6.90E-08	7.50E-04	2.37E-07	6.89E-08
4909	488363.09, 3862377.25	7.83E-04	2.47E-07	7.19E-08	7.99E-04	2.52E-07	7.33E-08	7.98E-04	2.52E-07	7.33E-08
4910	488863.09, 3862377.25	8.31E-04	2.62E-07	7.63E-08	8.48E-04	2.68E-07	7.79E-08	8.47E-04	2.67E-07	7.78E-08
4911	489363.09, 3862377.25	8.77E-04	2.77E-07	8.05E-08	8.95E-04	2.82E-07	8.21E-08	8.94E-04	2.82E-07	8.21E-08
4912	489863.09, 3862377.25	9.21E-04	2.91E-07	8.45E-08	9.40E-04	2.97E-07	8.63E-08	9.39E-04	2.96E-07	8.62E-08
4913	490363.09, 3862377.25	9.54E-04	3.01E-07	8.76E-08	9.74E-04	3.07E-07	8.94E-08	9.72E-04	3.07E-07	8.93E-08
4914	490863.09, 3862377.25	9.53E-04	3.01E-07	8.75E-08	9.72E-04	3.07E-07	8.93E-08	9.71E-04	3.07E-07	8.92E-08
4915	491363.09, 3862377.25	9.43E-04	2.98E-07	8.66E-08	9.62E-04	3.04E-07	8.83E-08	9.61E-04	3.03E-07	8.82E-08
4916	491863.09, 3862377.25	9.23E-04	2.91E-07	8.48E-08	9.42E-04	2.97E-07	8.65E-08	9.41E-04	2.97E-07	8.64E-08
4917	492363.09, 3862377.25	9.32E-04	2.94E-07	8.56E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
4918	492863.09, 3862377.25	9.46E-04	2.99E-07	8.68E-08	9.65E-04	3.05E-07	8.86E-08	9.64E-04	3.04E-07	8.85E-08
4919	493363.09, 3862377.25	9.39E-04	2.96E-07	8.62E-08	9.58E-04	3.02E-07	8.79E-08	9.57E-04	3.02E-07	8.78E-08
4920	493863.09, 3862377.25	9.07E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
4921	494363.09, 3862377.25	8.71E-04	2.75E-07	7.99E-08	8.89E-04	2.80E-07	8.16E-08	8.87E-04	2.80E-07	8.15E-08
4922	494863.09, 3862377.25	8.90E-04	2.81E-07	8.17E-08	9.08E-04	2.87E-07	8.34E-08	9.07E-04	2.86E-07	8.33E-08
4923	495363.09, 3862377.25	9.04E-04	2.85E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
4924	495863.09, 3862377.25	8.87E-04	2.80E-07	8.14E-08	9.05E-04	2.86E-07	8.31E-08	9.04E-04	2.85E-07	8.30E-08
4925	496363.09, 3862377.25	8.51E-04	2.69E-07	7.82E-08	8.69E-04	2.74E-07	7.97E-08	8.68E-04	2.74E-07	7.97E-08
4926	496863.09, 3862377.25	8.31E-04	2.62E-07	7.63E-08	8.48E-04	2.68E-07	7.78E-08	8.47E-04	2.67E-07	7.78E-08
4927	497363.09, 3862377.25	7.96E-04	2.51E-07	7.31E-08	8.12E-04	2.56E-07	7.46E-08	8.11E-04	2.56E-07	7.45E-08
4928	497863.09, 3862377.25	7.69E-04	2.43E-07	7.06E-08	7.85E-04	2.48E-07	7.20E-08	7.84E-04	2.47E-07	7.20E-08
4929	498363.09, 3862377.25	7.42E-04	2.34E-07	6.81E-08	7.57E-04	2.39E-07	6.95E-08	7.56E-04	2.39E-07	6.94E-08
4930	471363.09, 3862877.25	2.22E-04	7.01E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.26E-04	7.15E-08	2.08E-08
4931	471863.09, 3862877.25	2.27E-04	7.16E-08	2.08E-08	2.32E-04	7.31E-08	2.13E-08	2.31E-04	7.30E-08	2.12E-08
4932	472363.09, 3862877.25	2.32E-04	7.33E-08	2.13E-08	2.37E-04	7.48E-08	2.18E-08	2.37E-04	7.47E-08	2.17E-08
4933	472863.09, 3862877.25	2.38E-04	7.51E-08	2.18E-08	2.43E-04	7.66E-08	2.23E-08	2.42E-04	7.65E-08	2.22E-08
4934	473363.09, 3862877.25	2.44E-04	7.70E-08	2.24E-08	2.49E-04	7.86E-08	2.29E-08	2.49E-04	7.85E-08	2.28E-08
4935	473863.09, 3862877.25	2.50E-04	7.88E-08	2.29E-08	2.55E-04	8.04E-08	2.34E-08	2.54E-04	8.03E-08	2.34E-08
4936	474363.09, 3862877.25	2.55E-04	8.04E-08	2.34E-08	2.60E-04	8.21E-08	2.39E-08	2.60E-04	8.20E-08	2.38E-08
4937	474863.09, 3862877.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.34E-08	2.43E-08	2.64E-04	8.33E-08	2.42E-08
4938	475363.09, 3862877.25	2.63E-04	8.31E-08	2.42E-08	2.69E-04	8.48E-08	2.47E-08	2.68E-04	8.47E-08	2.46E-08
4939	475863.09, 3862877.25	2.68E-04	8.45E-08	2.46E-08	2.73E-04	8.63E-08	2.51E-08	2.73E-04	8.62E-08	2.51E-08
4940	476363.09, 3862877.25	2.73E-04	8.61E-08	2.50E-08	2.78E-04	8.79E-08	2.56E-08	2.78E-04	8.78E-08	2.55E-08
4941	476863.09, 3862877.25	2.78E-04	8.79E-08	2.56E-08	2.84E-04	8.97E-08	2.61E-08	2.84E-04	8.96E-08	2.61E-08
4942	477363.09, 3862877.25	2.83E-04	8.93E-08	2.60E-08	2.89E-04	9.11E-08	2.65E-08	2.88E-04	9.10E-08	2.65E-08
4943	477863.09, 3862877.25	2.78E-04	8.79E-08	2.56E-08	2.84E-04	8.97E-08	2.61E-08	2.84E-04	8.96E-08	2.61E-08
4944	478363.09, 3862877.25	2.48E-04	7.84E-08	2.28E-08	2.53E-04	8.00E-08	2.33E-08	2.53E-04	7.99E-08	2.32E-08
4945	478863.09, 3862877.25	2.53E-04	8.00E-08	2.33E-08	2.59E-04	8.16E-08	2.37E-08	2.58E-04	8.15E-08	2.37E-08
4946	479363.09, 3862877.25	2.63E-04	8.31E-08	2.42E-08	2.69E-04	8.48E-08	2.47E-08	2.68E-04	8.47E-08	2.46E-08
4947	479863.09, 3862877.25	3.20E-04	1.01E-07	2.94E-08	3.27E-04	1.03E-07	3.00E-08	3.26E-04	1.03E-07	2.99E-08
4948	480363.09, 3862877.25	3.31E-04	1.04E-07	3.04E-08	3.38E-04	1.07E-07	3.10E-08	3.37E-04	1.06E-07	3.10E-08
4949	480863.09, 3862877.25	3.41E-04	1.08E-07	3.13E-08	3.48E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.19E-08
4950	481363.09, 3862877.25	3.52E-04	1.11E-07	3.24E-08	3.60E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.30E-08
4951	481863.09, 3862877.25	3.65E-04	1.15E-07	3.35E-08	3.72E-04	1.17E-07	3.42E-08	3.72E-04	1.17E-07	3.41E-08
4952	482363.09, 3862877.25	3.76E-04	1.19E-07	3.45E-08	3.84E-04	1.21E-07	3.52E-08	3.83E-04	1.21E-07	3.52E-08
4953	482863.09, 3862877.25	3.88E-04	1.23E-07	3.57E-08	3.96E-04	1.25E-07	3.64E-08	3.96E-04	1.25E-07	3.63E-08
4954	483363.09, 3862877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.78E-08	4.11E-04	1.30E-07	3.77E-08
4955	483863.09, 3862877.25	4.20E-04	1.33E-07	3.86E-08	4.29E-04	1.35E-07	3.94E-08	4.28E-04	1.35E-07	3.93E-08
4956	484363.09, 3862877.25	4.39E-04	1.39E-07	4.03E-08	4.48E-04	1.41E-07	4.12E-08	4.48E-04	1.41E-07	4.11E-08

4957	484863.09, 3862877.25	4.56E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.27E-08	4.64E-04	1.47E-07	4.26E-08
4958	485363.09, 3862877.25	4.76E-04	1.50E-07	4.37E-08	4.85E-04	1.53E-07	4.46E-08	4.85E-04	1.53E-07	4.45E-08
4959	485863.09, 3862877.25	4.99E-04	1.57E-07	4.58E-08	5.09E-04	1.61E-07	4.67E-08	5.08E-04	1.60E-07	4.67E-08
4960	486363.09, 3862877.25	5.29E-04	1.67E-07	4.86E-08	5.40E-04	1.70E-07	4.95E-08	5.39E-04	1.70E-07	4.95E-08
4961	486863.09, 3862877.25	5.59E-04	1.76E-07	5.13E-08	5.70E-04	1.80E-07	5.23E-08	5.69E-04	1.80E-07	5.23E-08
4962	487363.09, 3862877.25	5.90E-04	1.86E-07	5.41E-08	6.02E-04	1.90E-07	5.52E-08	6.01E-04	1.90E-07	5.52E-08
4963	487863.09, 3862877.25	6.24E-04	1.97E-07	5.72E-08	6.36E-04	2.01E-07	5.84E-08	6.35E-04	2.01E-07	5.83E-08
4964	488363.09, 3862877.25	6.62E-04	2.09E-07	6.08E-08	6.76E-04	2.13E-07	6.20E-08	6.75E-04	2.13E-07	6.20E-08
4965	488863.09, 3862877.25	6.97E-04	2.20E-07	6.40E-08	7.11E-04	2.25E-07	6.53E-08	7.11E-04	2.24E-07	6.52E-08
4966	489363.09, 3862877.25	7.23E-04	2.28E-07	6.64E-08	7.38E-04	2.33E-07	6.78E-08	7.37E-04	2.33E-07	6.77E-08
4967	489863.09, 3862877.25	7.46E-04	2.35E-07	6.85E-08	7.61E-04	2.40E-07	6.99E-08	7.60E-04	2.40E-07	6.98E-08
4968	490363.09, 3862877.25	7.56E-04	2.39E-07	6.94E-08	7.72E-04	2.44E-07	7.08E-08	7.71E-04	2.43E-07	7.07E-08
4969	490863.09, 3862877.25	7.50E-04	2.37E-07	6.89E-08	7.66E-04	2.42E-07	7.03E-08	7.65E-04	2.41E-07	7.02E-08
4970	491363.09, 3862877.25	7.50E-04	2.37E-07	6.88E-08	7.65E-04	2.41E-07	7.02E-08	7.64E-04	2.41E-07	7.01E-08
4971	491863.09, 3862877.25	7.29E-04	2.30E-07	6.69E-08	7.44E-04	2.35E-07	6.83E-08	7.43E-04	2.34E-07	6.82E-08
4972	492363.09, 3862877.25	7.35E-04	2.32E-07	6.74E-08	7.50E-04	2.37E-07	6.88E-08	7.49E-04	2.36E-07	6.87E-08
4973	492863.09, 3862877.25	7.33E-04	2.31E-07	6.72E-08	7.47E-04	2.36E-07	6.86E-08	7.47E-04	2.36E-07	6.85E-08
4974	493363.09, 3862877.25	7.48E-04	2.36E-07	6.87E-08	7.63E-04	2.41E-07	7.01E-08	7.62E-04	2.41E-07	7.00E-08
4975	493863.09, 3862877.25	7.45E-04	2.35E-07	6.84E-08	7.61E-04	2.40E-07	6.98E-08	7.60E-04	2.40E-07	6.98E-08
4976	494363.09, 3862877.25	7.22E-04	2.28E-07	6.63E-08	7.37E-04	2.33E-07	6.76E-08	7.36E-04	2.32E-07	6.75E-08
4977	494863.09, 3862877.25	6.83E-04	2.15E-07	6.27E-08	6.97E-04	2.20E-07	6.40E-08	6.96E-04	2.20E-07	6.39E-08
4978	495363.09, 3862877.25	6.75E-04	2.13E-07	6.20E-08	6.89E-04	2.18E-07	6.33E-08	6.88E-04	2.17E-07	6.32E-08
4979	495863.09, 3862877.25	6.95E-04	2.19E-07	6.38E-08	7.09E-04	2.24E-07	6.51E-08	7.08E-04	2.24E-07	6.50E-08
4980	496363.09, 3862877.25	7.05E-04	2.23E-07	6.47E-08	7.20E-04	2.27E-07	6.61E-08	7.19E-04	2.27E-07	6.60E-08
4981	496863.09, 3862877.25	6.91E-04	2.18E-07	6.35E-08	7.05E-04	2.23E-07	6.48E-08	7.05E-04	2.22E-07	6.47E-08
4982	497363.09, 3862877.25	6.66E-04	2.10E-07	6.11E-08	6.79E-04	2.14E-07	6.24E-08	6.78E-04	2.14E-07	6.23E-08
4983	497863.09, 3862877.25	6.44E-04	2.03E-07	5.91E-08	6.57E-04	2.07E-07	6.03E-08	6.56E-04	2.07E-07	6.02E-08
4984	498363.09, 3862877.25	6.28E-04	1.98E-07	5.77E-08	6.41E-04	2.02E-07	5.89E-08	6.40E-04	2.02E-07	5.88E-08
4985	471363.09, 3863377.25	2.12E-04	6.70E-08	1.95E-08	2.16E-04	6.83E-08	1.99E-08	2.16E-04	6.82E-08	1.99E-08
4986	471863.09, 3863377.25	2.17E-04	6.84E-08	1.99E-08	2.21E-04	6.98E-08	2.03E-08	2.21E-04	6.98E-08	2.03E-08
4987	472363.09, 3863377.25	2.22E-04	7.01E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.26E-04	7.15E-08	2.08E-08
4988	472863.09, 3863377.25	2.28E-04	7.19E-08	2.09E-08	2.32E-04	7.34E-08	2.13E-08	2.32E-04	7.33E-08	2.13E-08
4989	473363.09, 3863377.25	2.33E-04	7.37E-08	2.14E-08	2.38E-04	7.52E-08	2.19E-08	2.38E-04	7.51E-08	2.18E-08
4990	473863.09, 3863377.25	2.39E-04	7.54E-08	2.19E-08	2.44E-04	7.70E-08	2.24E-08	2.44E-04	7.69E-08	2.24E-08
4991	474363.09, 3863377.25	2.44E-04	7.70E-08	2.24E-08	2.49E-04	7.86E-08	2.29E-08	2.49E-04	7.85E-08	2.28E-08
4992	474863.09, 3863377.25	2.48E-04	7.84E-08	2.28E-08	2.53E-04	8.00E-08	2.33E-08	2.53E-04	7.99E-08	2.32E-08
4993	475363.09, 3863377.25	2.53E-04	7.98E-08	2.32E-08	2.58E-04	8.14E-08	2.37E-08	2.58E-04	8.13E-08	2.37E-08
4994	475863.09, 3863377.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
4995	476363.09, 3863377.25	2.63E-04	8.30E-08	2.42E-08	2.69E-04	8.47E-08	2.47E-08	2.68E-04	8.46E-08	2.46E-08
4996	476863.09, 3863377.25	2.68E-04	8.46E-08	2.46E-08	2.74E-04	8.64E-08	2.51E-08	2.73E-04	8.63E-08	2.51E-08
4997	477363.09, 3863377.25	2.73E-04	8.63E-08	2.51E-08	2.79E-04	8.81E-08	2.56E-08	2.79E-04	8.80E-08	2.56E-08
4998	477863.09, 3863377.25	2.76E-04	8.71E-08	2.53E-08	2.82E-04	8.89E-08	2.59E-08	2.81E-04	8.88E-08	2.58E-08
4999	478363.09, 3863377.25	2.68E-04	8.44E-08	2.46E-08	2.73E-04	8.62E-08	2.51E-08	2.73E-04	8.61E-08	2.50E-08
5000	478863.09, 3863377.25	2.78E-04	8.76E-08	2.55E-08	2.83E-04	8.94E-08	2.60E-08	2.83E-04	8.93E-08	2.60E-08
5001	479363.09, 3863377.25	2.98E-04	9.39E-08	2.73E-08	3.04E-04	9.58E-08	2.79E-08	3.03E-04	9.57E-08	2.78E-08
5002	479863.09, 3863377.25	3.11E-04	9.81E-08	2.85E-08	3.17E-04	1.00E-07	2.91E-08	3.17E-04	1.00E-07	2.91E-08
5003	480363.09, 3863377.25	3.19E-04	1.01E-07	2.93E-08	3.26E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.99E-08
5004	480863.09, 3863377.25	3.28E-04	1.04E-07	3.01E-08	3.35E-04	1.06E-07	3.07E-08	3.34E-04	1.05E-07	3.07E-08
5005	481363.09, 3863377.25	3.36E-04	1.06E-07	3.08E-08	3.43E-04	1.08E-07	3.15E-08	3.42E-04	1.08E-07	3.14E-08
5006	481863.09, 3863377.25	3.44E-04	1.09E-07	3.16E-08	3.51E-04	1.11E-07	3.22E-08	3.50E-04	1.11E-07	3.22E-08
5007	482363.09, 3863377.25	3.52E-04	1.11E-07	3.24E-08	3.60E-04	1.13E-07	3.30E-08	3.59E-04	1.13E-07	3.30E-08
5008	482863.09, 3863377.25	3.62E-04	1.14E-07	3.32E-08	3.69E-04	1.16E-07	3.39E-08	3.68E-04	1.16E-07	3.38E-08
5009	483363.09, 3863377.25	3.73E-04	1.18E-07	3.42E-08	3.81E-04	1.20E-07	3.49E-08	3.80E-04	1.20E-07	3.49E-08
5010	483863.09, 3863377.25	3.86E-04	1.22E-07	3.54E-08	3.94E-04	1.24E-07	3.62E-08	3.93E-04	1.24E-07	3.61E-08
5011	484363.09, 3863377.25	3.99E-04	1.26E-07	3.66E-08	4.07E-04	1.28E-07	3.74E-08	4.07E-04	1.28E-07	3.73E-08
5012	484863.09, 3863377.25	4.15E-04	1.31E-07	3.81E-08	4.23E-04	1.34E-07	3.88E-08	4.23E-04	1.33E-07	3.88E-08
5013	485363.09, 3863377.25	4.31E-04	1.36E-07	3.95E-08	4.40E-04	1.39E-07	4.04E-08	4.39E-04	1.39E-07	4.03E-08
5014	485863.09, 3863377.25	4.49E-04	1.42E-07	4.12E-08	4.58E-04	1.45E-07	4.21E-08	4.58E-04	1.44E-07	4.20E-08
5015	486363.09, 3863377.25	4.70E-04	1.48E-07	4.31E-08	4.79E-04	1.51E-07	4.40E-08	4.79E-04	1.51E-07	4.39E-08
5016	486863.09, 3863377.25	4.92E-04	1.55E-07	4.52E-08	5.02E-04	1.59E-07	4.61E-08	5.02E-04	1.58E-07	4.61E-08
5017	487363.09, 3863377.25	5.16E-04	1.63E-07	4.74E-08	5.27E-04	1.66E-07	4.84E-08	5.26E-04	1.66E-07	4.83E-08
5018	487863.09, 3863377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.75E-07	5.10E-08	5.55E-04	1.75E-07	5.10E-08

5019	488363.09, 3863377.25	5.72E-04	1.81E-07	5.25E-08	5.84E-04	1.84E-07	5.36E-08	5.83E-04	1.84E-07	5.35E-08
5020	488863.09, 3863377.25	5.96E-04	1.88E-07	5.48E-08	6.09E-04	1.92E-07	5.59E-08	6.08E-04	1.92E-07	5.58E-08
5021	489363.09, 3863377.25	6.11E-04	1.93E-07	5.61E-08	6.23E-04	1.97E-07	5.72E-08	6.22E-04	1.96E-07	5.71E-08
5022	489863.09, 3863377.25	6.17E-04	1.95E-07	5.66E-08	6.30E-04	1.99E-07	5.78E-08	6.29E-04	1.98E-07	5.77E-08
5023	490363.09, 3863377.25	6.19E-04	1.95E-07	5.69E-08	6.32E-04	1.99E-07	5.80E-08	6.31E-04	1.99E-07	5.80E-08
5024	490863.09, 3863377.25	6.20E-04	1.96E-07	5.69E-08	6.32E-04	2.00E-07	5.81E-08	6.32E-04	1.99E-07	5.80E-08
5025	491363.09, 3863377.25	6.06E-04	1.91E-07	5.56E-08	6.18E-04	1.95E-07	5.68E-08	6.17E-04	1.95E-07	5.67E-08
5026	491863.09, 3863377.25	5.98E-04	1.89E-07	5.49E-08	6.11E-04	1.93E-07	5.61E-08	6.10E-04	1.93E-07	5.60E-08
5027	492363.09, 3863377.25	6.13E-04	1.93E-07	5.62E-08	6.25E-04	1.97E-07	5.74E-08	6.24E-04	1.97E-07	5.73E-08
5028	492863.09, 3863377.25	6.22E-04	1.96E-07	5.71E-08	6.34E-04	2.00E-07	5.82E-08	6.34E-04	2.00E-07	5.82E-08
5029	493363.09, 3863377.25	6.30E-04	1.99E-07	5.78E-08	6.43E-04	2.03E-07	5.90E-08	6.42E-04	2.03E-07	5.89E-08
5030	493863.09, 3863377.25	6.33E-04	2.00E-07	5.81E-08	6.46E-04	2.04E-07	5.93E-08	6.45E-04	2.04E-07	5.92E-08
5031	494363.09, 3863377.25	6.26E-04	1.98E-07	5.75E-08	6.39E-04	2.02E-07	5.87E-08	6.38E-04	2.01E-07	5.86E-08
5032	494863.09, 3863377.25	6.11E-04	1.93E-07	5.61E-08	6.23E-04	1.97E-07	5.72E-08	6.23E-04	1.96E-07	5.72E-08
5033	495363.09, 3863377.25	5.86E-04	1.85E-07	5.38E-08	5.98E-04	1.89E-07	5.49E-08	5.97E-04	1.89E-07	5.48E-08
5034	495863.09, 3863377.25	5.75E-04	1.81E-07	5.27E-08	5.86E-04	1.85E-07	5.38E-08	5.86E-04	1.85E-07	5.38E-08
5035	496363.09, 3863377.25	5.65E-04	1.78E-07	5.19E-08	5.77E-04	1.82E-07	5.30E-08	5.76E-04	1.82E-07	5.29E-08
5036	496863.09, 3863377.25	5.66E-04	1.79E-07	5.20E-08	5.78E-04	1.82E-07	5.31E-08	5.77E-04	1.82E-07	5.30E-08
5037	497363.09, 3863377.25	5.70E-04	1.80E-07	5.23E-08	5.82E-04	1.84E-07	5.34E-08	5.81E-04	1.83E-07	5.33E-08
5038	497863.09, 3863377.25	5.62E-04	1.77E-07	5.16E-08	5.73E-04	1.81E-07	5.26E-08	5.72E-04	1.81E-07	5.26E-08
5039	498363.09, 3863377.25	5.45E-04	1.72E-07	5.00E-08	5.56E-04	1.76E-07	5.11E-08	5.56E-04	1.75E-07	5.10E-08
5040	471363.09, 3863877.25	2.04E-04	6.44E-08	1.87E-08	2.08E-04	6.57E-08	1.91E-08	2.08E-04	6.56E-08	1.91E-08
5041	471863.09, 3863877.25	2.09E-04	6.58E-08	1.92E-08	2.13E-04	6.72E-08	1.95E-08	2.13E-04	6.71E-08	1.95E-08
5042	472363.09, 3863877.25	2.14E-04	6.76E-08	1.97E-08	2.19E-04	6.90E-08	2.01E-08	2.18E-04	6.89E-08	2.00E-08
5043	472863.09, 3863877.25	2.20E-04	6.94E-08	2.02E-08	2.24E-04	7.08E-08	2.06E-08	2.24E-04	7.07E-08	2.06E-08
5044	473363.09, 3863877.25	2.25E-04	7.11E-08	2.07E-08	2.30E-04	7.25E-08	2.11E-08	2.29E-04	7.24E-08	2.11E-08
5045	473863.09, 3863877.25	2.30E-04	7.27E-08	2.12E-08	2.35E-04	7.42E-08	2.16E-08	2.35E-04	7.41E-08	2.16E-08
5046	474363.09, 3863877.25	2.35E-04	7.42E-08	2.16E-08	2.40E-04	7.57E-08	2.20E-08	2.40E-04	7.56E-08	2.20E-08
5047	474863.09, 3863877.25	2.39E-04	7.55E-08	2.20E-08	2.44E-04	7.71E-08	2.24E-08	2.44E-04	7.70E-08	2.24E-08
5048	475363.09, 3863877.25	2.44E-04	7.69E-08	2.24E-08	2.49E-04	7.85E-08	2.28E-08	2.48E-04	7.84E-08	2.28E-08
5049	475863.09, 3863877.25	2.48E-04	7.83E-08	2.28E-08	2.53E-04	7.99E-08	2.32E-08	2.53E-04	7.98E-08	2.32E-08
5050	476363.09, 3863877.25	2.53E-04	7.98E-08	2.32E-08	2.58E-04	8.14E-08	2.37E-08	2.58E-04	8.13E-08	2.37E-08
5051	476863.09, 3863877.25	2.57E-04	8.12E-08	2.36E-08	2.62E-04	8.28E-08	2.41E-08	2.62E-04	8.27E-08	2.41E-08
5052	477363.09, 3863877.25	2.62E-04	8.28E-08	2.41E-08	2.68E-04	8.45E-08	2.46E-08	2.67E-04	8.44E-08	2.45E-08
5053	477863.09, 3863877.25	2.68E-04	8.44E-08	2.46E-08	2.73E-04	8.62E-08	2.51E-08	2.73E-04	8.61E-08	2.50E-08
5054	478363.09, 3863877.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
5055	478863.09, 3863877.25	2.82E-04	8.90E-08	2.59E-08	2.88E-04	9.08E-08	2.64E-08	2.87E-04	9.07E-08	2.64E-08
5056	479363.09, 3863877.25	2.92E-04	9.22E-08	2.68E-08	2.98E-04	9.40E-08	2.74E-08	2.98E-04	9.39E-08	2.73E-08
5057	479863.09, 3863877.25	2.99E-04	9.44E-08	2.75E-08	3.05E-04	9.63E-08	2.80E-08	3.05E-04	9.62E-08	2.80E-08
5058	480363.09, 3863877.25	3.04E-04	9.61E-08	2.79E-08	3.11E-04	9.80E-08	2.85E-08	3.10E-04	9.79E-08	2.85E-08
5059	480863.09, 3863877.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
5060	481363.09, 3863877.25	3.15E-04	9.95E-08	2.89E-08	3.22E-04	1.02E-07	2.95E-08	3.21E-04	1.01E-07	2.95E-08
5061	481863.09, 3863877.25	3.21E-04	1.01E-07	2.95E-08	3.28E-04	1.03E-07	3.01E-08	3.27E-04	1.03E-07	3.01E-08
5062	482363.09, 3863877.25	3.28E-04	1.04E-07	3.01E-08	3.35E-04	1.06E-07	3.07E-08	3.34E-04	1.05E-07	3.07E-08
5063	482863.09, 3863877.25	3.34E-04	1.06E-07	3.07E-08	3.41E-04	1.08E-07	3.13E-08	3.41E-04	1.08E-07	3.13E-08
5064	483363.09, 3863877.25	3.43E-04	1.08E-07	3.15E-08	3.50E-04	1.10E-07	3.21E-08	3.49E-04	1.10E-07	3.21E-08
5065	483863.09, 3863877.25	3.53E-04	1.12E-07	3.24E-08	3.61E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.31E-08
5066	484363.09, 3863877.25	3.64E-04	1.15E-07	3.34E-08	3.72E-04	1.17E-07	3.41E-08	3.71E-04	1.17E-07	3.41E-08
5067	484863.09, 3863877.25	3.78E-04	1.19E-07	3.47E-08	3.85E-04	1.22E-07	3.54E-08	3.85E-04	1.22E-07	3.53E-08
5068	485363.09, 3863877.25	3.90E-04	1.23E-07	3.58E-08	3.98E-04	1.26E-07	3.65E-08	3.98E-04	1.25E-07	3.65E-08
5069	485863.09, 3863877.25	4.05E-04	1.28E-07	3.72E-08	4.13E-04	1.30E-07	3.80E-08	4.13E-04	1.30E-07	3.79E-08
5070	486363.09, 3863877.25	4.22E-04	1.33E-07	3.87E-08	4.31E-04	1.36E-07	3.95E-08	4.30E-04	1.36E-07	3.95E-08
5071	486863.09, 3863877.25	4.41E-04	1.39E-07	4.05E-08	4.50E-04	1.42E-07	4.14E-08	4.50E-04	1.42E-07	4.13E-08
5072	487363.09, 3863877.25	4.60E-04	1.45E-07	4.23E-08	4.70E-04	1.48E-07	4.31E-08	4.69E-04	1.48E-07	4.31E-08
5073	487863.09, 3863877.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.90E-04	1.55E-07	4.50E-08
5074	488363.09, 3863877.25	5.01E-04	1.58E-07	4.60E-08	5.11E-04	1.61E-07	4.70E-08	5.11E-04	1.61E-07	4.69E-08
5075	488863.09, 3863877.25	5.18E-04	1.64E-07	4.76E-08	5.29E-04	1.67E-07	4.86E-08	5.28E-04	1.67E-07	4.85E-08
5076	489363.09, 3863877.25	5.24E-04	1.65E-07	4.81E-08	5.35E-04	1.69E-07	4.91E-08	5.34E-04	1.69E-07	4.90E-08
5077	489863.09, 3863877.25	5.24E-04	1.65E-07	4.81E-08	5.35E-04	1.69E-07	4.91E-08	5.34E-04	1.69E-07	4.90E-08
5078	490363.09, 3863877.25	5.23E-04	1.65E-07	4.80E-08	5.34E-04	1.68E-07	4.90E-08	5.33E-04	1.68E-07	4.89E-08
5079	490863.09, 3863877.25	5.23E-04	1.65E-07	4.80E-08	5.33E-04	1.68E-07	4.90E-08	5.33E-04	1.68E-07	4.89E-08
5080	491363.09, 3863877.25	5.14E-04	1.62E-07	4.72E-08	5.24E-04	1.66E-07	4.81E-08	5.24E-04	1.65E-07	4.81E-08

5081	491863.09, 3863877.25	5.21E-04	1.64E-07	4.78E-08	5.31E-04	1.68E-07	4.88E-08	5.31E-04	1.67E-07	4.87E-08
5082	492363.09, 3863877.25	5.18E-04	1.63E-07	4.75E-08	5.28E-04	1.67E-07	4.85E-08	5.28E-04	1.67E-07	4.84E-08
5083	492863.09, 3863877.25	4.83E-04	1.53E-07	4.44E-08	4.93E-04	1.56E-07	4.53E-08	4.93E-04	1.55E-07	4.52E-08
5084	493363.09, 3863877.25	4.91E-04	1.55E-07	4.51E-08	5.02E-04	1.58E-07	4.60E-08	5.01E-04	1.58E-07	4.60E-08
5085	493863.09, 3863877.25	5.09E-04	1.61E-07	4.67E-08	5.20E-04	1.64E-07	4.77E-08	5.19E-04	1.64E-07	4.76E-08
5086	494363.09, 3863877.25	5.29E-04	1.67E-07	4.86E-08	5.40E-04	1.70E-07	4.96E-08	5.39E-04	1.70E-07	4.95E-08
5087	494863.09, 3863877.25	5.27E-04	1.66E-07	4.84E-08	5.38E-04	1.70E-07	4.94E-08	5.37E-04	1.69E-07	4.93E-08
5088	495363.09, 3863877.25	5.22E-04	1.65E-07	4.79E-08	5.33E-04	1.68E-07	4.89E-08	5.32E-04	1.68E-07	4.88E-08
5089	495863.09, 3863877.25	4.97E-04	1.57E-07	4.56E-08	5.07E-04	1.60E-07	4.65E-08	5.06E-04	1.60E-07	4.65E-08
5090	496363.09, 3863877.25	4.81E-04	1.52E-07	4.42E-08	4.91E-04	1.55E-07	4.51E-08	4.90E-04	1.55E-07	4.50E-08
5091	496863.09, 3863877.25	4.74E-04	1.50E-07	4.35E-08	4.84E-04	1.53E-07	4.44E-08	4.83E-04	1.53E-07	4.44E-08
5092	497363.09, 3863877.25	4.77E-04	1.51E-07	4.38E-08	4.87E-04	1.54E-07	4.47E-08	4.86E-04	1.53E-07	4.46E-08
5093	497863.09, 3863877.25	4.85E-04	1.53E-07	4.45E-08	4.95E-04	1.56E-07	4.54E-08	4.94E-04	1.56E-07	4.54E-08
5094	498363.09, 3863877.25	4.83E-04	1.52E-07	4.43E-08	4.93E-04	1.55E-07	4.52E-08	4.92E-04	1.55E-07	4.52E-08
5095	471363.09, 3864377.25	1.97E-04	6.23E-08	1.81E-08	2.01E-04	6.36E-08	1.85E-08	2.01E-04	6.35E-08	1.85E-08
5096	471863.09, 3864377.25	2.02E-04	6.39E-08	1.86E-08	2.07E-04	6.52E-08	1.90E-08	2.06E-04	6.51E-08	1.89E-08
5097	472363.09, 3864377.25	2.08E-04	6.56E-08	1.91E-08	2.12E-04	6.69E-08	1.95E-08	2.12E-04	6.68E-08	1.94E-08
5098	472863.09, 3864377.25	2.13E-04	6.72E-08	1.96E-08	2.17E-04	6.86E-08	2.00E-08	2.17E-04	6.85E-08	1.99E-08
5099	473363.09, 3864377.25	2.18E-04	6.87E-08	2.00E-08	2.22E-04	7.01E-08	2.04E-08	2.22E-04	7.00E-08	2.04E-08
5100	473863.09, 3864377.25	2.22E-04	7.02E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.27E-04	7.16E-08	2.08E-08
5101	474363.09, 3864377.25	2.27E-04	7.15E-08	2.08E-08	2.31E-04	7.30E-08	2.12E-08	2.31E-04	7.29E-08	2.12E-08
5102	474863.09, 3864377.25	2.31E-04	7.28E-08	2.12E-08	2.35E-04	7.43E-08	2.16E-08	2.35E-04	7.42E-08	2.16E-08
5103	475363.09, 3864377.25	2.35E-04	7.41E-08	2.16E-08	2.40E-04	7.56E-08	2.20E-08	2.39E-04	7.55E-08	2.20E-08
5104	475863.09, 3864377.25	2.39E-04	7.54E-08	2.19E-08	2.44E-04	7.70E-08	2.24E-08	2.44E-04	7.69E-08	2.24E-08
5105	476363.09, 3864377.25	2.43E-04	7.67E-08	2.23E-08	2.48E-04	7.83E-08	2.28E-08	2.48E-04	7.82E-08	2.27E-08
5106	476863.09, 3864377.25	2.48E-04	7.82E-08	2.28E-08	2.53E-04	7.98E-08	2.32E-08	2.53E-04	7.97E-08	2.32E-08
5107	477363.09, 3864377.25	2.53E-04	7.97E-08	2.32E-08	2.58E-04	8.13E-08	2.37E-08	2.57E-04	8.12E-08	2.36E-08
5108	477863.09, 3864377.25	2.58E-04	8.15E-08	2.37E-08	2.63E-04	8.31E-08	2.42E-08	2.63E-04	8.30E-08	2.42E-08
5109	478363.09, 3864377.25	2.65E-04	8.36E-08	2.43E-08	2.70E-04	8.53E-08	2.48E-08	2.70E-04	8.52E-08	2.48E-08
5110	478863.09, 3864377.25	2.72E-04	8.59E-08	2.50E-08	2.78E-04	8.77E-08	2.55E-08	2.78E-04	8.76E-08	2.55E-08
5111	479363.09, 3864377.25	2.78E-04	8.78E-08	2.55E-08	2.84E-04	8.96E-08	2.61E-08	2.84E-04	8.95E-08	2.60E-08
5112	479863.09, 3864377.25	2.83E-04	8.92E-08	2.59E-08	2.88E-04	9.10E-08	2.65E-08	2.88E-04	9.09E-08	2.64E-08
5113	480363.09, 3864377.25	2.86E-04	9.04E-08	2.63E-08	2.92E-04	9.22E-08	2.68E-08	2.92E-04	9.21E-08	2.68E-08
5114	480863.09, 3864377.25	2.89E-04	9.13E-08	2.66E-08	2.95E-04	9.32E-08	2.71E-08	2.95E-04	9.31E-08	2.71E-08
5115	481363.09, 3864377.25	2.94E-04	9.28E-08	2.70E-08	3.00E-04	9.47E-08	2.75E-08	3.00E-04	9.46E-08	2.75E-08
5116	481863.09, 3864377.25	2.99E-04	9.44E-08	2.75E-08	3.05E-04	9.63E-08	2.80E-08	3.05E-04	9.62E-08	2.80E-08
5117	482363.09, 3864377.25	3.04E-04	9.59E-08	2.79E-08	3.10E-04	9.78E-08	2.85E-08	3.10E-04	9.77E-08	2.84E-08
5118	482863.09, 3864377.25	3.09E-04	9.75E-08	2.83E-08	3.15E-04	9.95E-08	2.89E-08	3.15E-04	9.93E-08	2.89E-08
5119	483363.09, 3864377.25	3.15E-04	9.93E-08	2.89E-08	3.21E-04	1.01E-07	2.95E-08	3.21E-04	1.01E-07	2.94E-08
5120	483863.09, 3864377.25	3.23E-04	1.02E-07	2.96E-08	3.29E-04	1.04E-07	3.02E-08	3.29E-04	1.04E-07	3.02E-08
5121	484363.09, 3864377.25	3.33E-04	1.05E-07	3.05E-08	3.39E-04	1.07E-07	3.12E-08	3.39E-04	1.07E-07	3.11E-08
5122	484863.09, 3864377.25	3.43E-04	1.08E-07	3.15E-08	3.50E-04	1.10E-07	3.21E-08	3.49E-04	1.10E-07	3.21E-08
5123	485363.09, 3864377.25	3.55E-04	1.12E-07	3.26E-08	3.62E-04	1.14E-07	3.32E-08	3.62E-04	1.14E-07	3.32E-08
5124	485863.09, 3864377.25	3.70E-04	1.17E-07	3.39E-08	3.77E-04	1.19E-07	3.46E-08	3.77E-04	1.19E-07	3.46E-08
5125	486363.09, 3864377.25	3.86E-04	1.22E-07	3.54E-08	3.94E-04	1.24E-07	3.61E-08	3.93E-04	1.24E-07	3.61E-08
5126	486863.09, 3864377.25	3.99E-04	1.26E-07	3.67E-08	4.07E-04	1.29E-07	3.74E-08	4.07E-04	1.28E-07	3.74E-08
5127	487363.09, 3864377.25	4.14E-04	1.31E-07	3.80E-08	4.22E-04	1.33E-07	3.88E-08	4.22E-04	1.33E-07	3.87E-08
5128	487863.09, 3864377.25	4.30E-04	1.36E-07	3.95E-08	4.39E-04	1.39E-07	4.03E-08	4.38E-04	1.38E-07	4.03E-08
5129	488363.09, 3864377.25	4.44E-04	1.40E-07	4.07E-08	4.53E-04	1.43E-07	4.16E-08	4.52E-04	1.43E-07	4.15E-08
5130	488863.09, 3864377.25	4.55E-04	1.43E-07	4.17E-08	4.64E-04	1.46E-07	4.26E-08	4.63E-04	1.46E-07	4.25E-08
5131	489363.09, 3864377.25	4.57E-04	1.44E-07	4.20E-08	4.67E-04	1.47E-07	4.28E-08	4.66E-04	1.47E-07	4.28E-08
5132	489863.09, 3864377.25	4.54E-04	1.43E-07	4.17E-08	4.64E-04	1.46E-07	4.26E-08	4.63E-04	1.46E-07	4.25E-08
5133	490363.09, 3864377.25	4.54E-04	1.43E-07	4.17E-08	4.63E-04	1.46E-07	4.25E-08	4.63E-04	1.46E-07	4.25E-08
5134	490863.09, 3864377.25	4.55E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.26E-08	4.64E-04	1.46E-07	4.26E-08
5135	491363.09, 3864377.25	4.56E-04	1.44E-07	4.19E-08	4.65E-04	1.47E-07	4.27E-08	4.65E-04	1.47E-07	4.27E-08
5136	491863.09, 3864377.25	2.12E-04	6.70E-08	1.95E-08	2.16E-04	6.83E-08	1.99E-08	2.16E-04	6.82E-08	1.99E-08
5137	492363.09, 3864377.25	3.49E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.27E-08	3.56E-04	1.12E-07	3.27E-08
5138	492863.09, 3864377.25	2.41E-04	7.60E-08	2.21E-08	2.46E-04	7.75E-08	2.26E-08	2.45E-04	7.74E-08	2.25E-08
5139	493363.09, 3864377.25	3.25E-04	1.02E-07	2.98E-08	3.31E-04	1.05E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
5140	493863.09, 3864377.25	3.95E-04	1.25E-07	3.63E-08	4.04E-04	1.27E-07	3.70E-08	4.03E-04	1.27E-07	3.70E-08
5141	494363.09, 3864377.25	4.28E-04	1.35E-07	3.93E-08	4.37E-04	1.38E-07	4.01E-08	4.36E-04	1.38E-07	4.01E-08
5142	494863.09, 3864377.25	4.54E-04	1.43E-07	4.17E-08	4.63E-04	1.46E-07	4.25E-08	4.63E-04	1.46E-07	4.25E-08

5143	495363.09, 3864377.25	4.55E-04	1.44E-07	4.18E-08	4.65E-04	1.47E-07	4.26E-08	4.64E-04	1.46E-07	4.26E-08
5144	495863.09, 3864377.25	4.52E-04	1.43E-07	4.15E-08	4.62E-04	1.46E-07	4.24E-08	4.61E-04	1.45E-07	4.23E-08
5145	496363.09, 3864377.25	4.32E-04	1.36E-07	3.97E-08	4.41E-04	1.39E-07	4.05E-08	4.41E-04	1.39E-07	4.04E-08
5146	496863.09, 3864377.25	4.17E-04	1.32E-07	3.83E-08	4.26E-04	1.34E-07	3.91E-08	4.25E-04	1.34E-07	3.90E-08
5147	497363.09, 3864377.25	4.10E-04	1.29E-07	3.76E-08	4.18E-04	1.32E-07	3.84E-08	4.17E-04	1.32E-07	3.83E-08
5148	497863.09, 3864377.25	4.13E-04	1.30E-07	3.79E-08	4.22E-04	1.33E-07	3.87E-08	4.21E-04	1.33E-07	3.87E-08
5149	498363.09, 3864377.25	4.15E-04	1.31E-07	3.81E-08	4.24E-04	1.34E-07	3.89E-08	4.23E-04	1.34E-07	3.89E-08
5150	471363.09, 3864877.25	1.92E-04	6.06E-08	1.76E-08	1.96E-04	6.19E-08	1.80E-08	1.96E-04	6.18E-08	1.80E-08
5151	471863.09, 3864877.25	1.97E-04	6.21E-08	1.81E-08	2.01E-04	6.34E-08	1.84E-08	2.01E-04	6.33E-08	1.84E-08
5152	472363.09, 3864877.25	2.02E-04	6.37E-08	1.85E-08	2.06E-04	6.50E-08	1.89E-08	2.06E-04	6.49E-08	1.89E-08
5153	472863.09, 3864877.25	2.07E-04	6.52E-08	1.90E-08	2.11E-04	6.65E-08	1.94E-08	2.11E-04	6.64E-08	1.93E-08
5154	473363.09, 3864877.25	2.11E-04	6.65E-08	1.93E-08	2.15E-04	6.79E-08	1.97E-08	2.15E-04	6.78E-08	1.97E-08
5155	473863.09, 3864877.25	2.15E-04	6.77E-08	1.97E-08	2.19E-04	6.91E-08	2.01E-08	2.19E-04	6.90E-08	2.01E-08
5156	474363.09, 3864877.25	2.19E-04	6.90E-08	2.01E-08	2.23E-04	7.04E-08	2.05E-08	2.23E-04	7.03E-08	2.05E-08
5157	474863.09, 3864877.25	2.22E-04	7.01E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.26E-04	7.15E-08	2.08E-08
5158	475363.09, 3864877.25	2.26E-04	7.13E-08	2.07E-08	2.31E-04	7.28E-08	2.12E-08	2.30E-04	7.27E-08	2.11E-08
5159	475863.09, 3864877.25	2.30E-04	7.24E-08	2.11E-08	2.34E-04	7.39E-08	2.15E-08	2.34E-04	7.38E-08	2.15E-08
5160	476363.09, 3864877.25	2.33E-04	7.37E-08	2.14E-08	2.38E-04	7.52E-08	2.19E-08	2.38E-04	7.51E-08	2.18E-08
5161	476863.09, 3864877.25	2.39E-04	7.53E-08	2.19E-08	2.44E-04	7.69E-08	2.24E-08	2.43E-04	7.68E-08	2.23E-08
5162	477363.09, 3864877.25	2.43E-04	7.67E-08	2.23E-08	2.48E-04	7.83E-08	2.28E-08	2.48E-04	7.82E-08	2.27E-08
5163	477863.09, 3864877.25	2.48E-04	7.82E-08	2.28E-08	2.53E-04	7.98E-08	2.32E-08	2.53E-04	7.97E-08	2.32E-08
5164	478363.09, 3864877.25	2.53E-04	7.98E-08	2.32E-08	2.58E-04	8.14E-08	2.37E-08	2.58E-04	8.13E-08	2.37E-08
5165	478863.09, 3864877.25	2.58E-04	8.13E-08	2.36E-08	2.63E-04	8.29E-08	2.41E-08	2.62E-04	8.28E-08	2.41E-08
5166	479363.09, 3864877.25	2.62E-04	8.26E-08	2.40E-08	2.67E-04	8.43E-08	2.45E-08	2.67E-04	8.42E-08	2.45E-08
5167	479863.09, 3864877.25	2.64E-04	8.34E-08	2.43E-08	2.70E-04	8.51E-08	2.48E-08	2.69E-04	8.50E-08	2.47E-08
5168	480363.09, 3864877.25	2.68E-04	8.44E-08	2.46E-08	2.73E-04	8.62E-08	2.51E-08	2.73E-04	8.61E-08	2.50E-08
5169	480863.09, 3864877.25	2.71E-04	8.54E-08	2.48E-08	2.76E-04	8.71E-08	2.53E-08	2.76E-04	8.70E-08	2.53E-08
5170	481363.09, 3864877.25	2.75E-04	8.67E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.83E-08	2.57E-08
5171	481863.09, 3864877.25	2.78E-04	8.77E-08	2.55E-08	2.84E-04	8.95E-08	2.60E-08	2.83E-04	8.94E-08	2.60E-08
5172	482363.09, 3864877.25	2.81E-04	8.88E-08	2.58E-08	2.87E-04	9.06E-08	2.64E-08	2.87E-04	9.05E-08	2.63E-08
5173	482863.09, 3864877.25	2.85E-04	8.98E-08	2.61E-08	2.90E-04	9.17E-08	2.67E-08	2.90E-04	9.16E-08	2.66E-08
5174	483363.09, 3864877.25	2.89E-04	9.11E-08	2.65E-08	2.95E-04	9.30E-08	2.71E-08	2.94E-04	9.29E-08	2.70E-08
5175	483863.09, 3864877.25	2.95E-04	9.32E-08	2.71E-08	3.01E-04	9.51E-08	2.77E-08	3.01E-04	9.50E-08	2.76E-08
5176	484363.09, 3864877.25	3.05E-04	9.63E-08	2.80E-08	3.11E-04	9.82E-08	2.86E-08	3.11E-04	9.81E-08	2.85E-08
5177	484863.09, 3864877.25	3.16E-04	9.98E-08	2.90E-08	3.23E-04	1.02E-07	2.96E-08	3.22E-04	1.02E-07	2.96E-08
5178	485363.09, 3864877.25	3.29E-04	1.04E-07	3.02E-08	3.36E-04	1.06E-07	3.09E-08	3.36E-04	1.06E-07	3.08E-08
5179	485863.09, 3864877.25	3.42E-04	1.08E-07	3.14E-08	3.49E-04	1.10E-07	3.20E-08	3.48E-04	1.10E-07	3.20E-08
5180	486363.09, 3864877.25	3.53E-04	1.11E-07	3.24E-08	3.60E-04	1.14E-07	3.31E-08	3.60E-04	1.14E-07	3.30E-08
5181	486863.09, 3864877.25	3.63E-04	1.14E-07	3.33E-08	3.70E-04	1.17E-07	3.40E-08	3.70E-04	1.17E-07	3.39E-08
5182	487363.09, 3864877.25	3.75E-04	1.18E-07	3.44E-08	3.82E-04	1.21E-07	3.51E-08	3.82E-04	1.21E-07	3.51E-08
5183	487863.09, 3864877.25	3.87E-04	1.22E-07	3.55E-08	3.95E-04	1.25E-07	3.62E-08	3.94E-04	1.24E-07	3.62E-08
5184	488363.09, 3864877.25	3.96E-04	1.25E-07	3.63E-08	4.04E-04	1.27E-07	3.71E-08	4.03E-04	1.27E-07	3.70E-08
5185	488863.09, 3864877.25	4.03E-04	1.27E-07	3.70E-08	4.11E-04	1.30E-07	3.77E-08	4.11E-04	1.30E-07	3.77E-08
5186	489363.09, 3864877.25	4.04E-04	1.27E-07	3.71E-08	4.12E-04	1.30E-07	3.78E-08	4.11E-04	1.30E-07	3.78E-08
5187	489863.09, 3864877.25	4.00E-04	1.26E-07	3.67E-08	4.08E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.74E-08
5188	490363.09, 3864877.25	4.01E-04	1.26E-07	3.68E-08	4.09E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.75E-08
5189	490863.09, 3864877.25	3.80E-04	1.20E-07	3.49E-08	3.88E-04	1.22E-07	3.56E-08	3.87E-04	1.22E-07	3.56E-08
5190	491363.09, 3864877.25	4.00E-04	1.26E-07	3.68E-08	4.09E-04	1.29E-07	3.75E-08	4.08E-04	1.29E-07	3.75E-08
5191	491863.09, 3864877.25	3.61E-04	1.14E-07	3.31E-08	3.68E-04	1.16E-07	3.38E-08	3.68E-04	1.16E-07	3.37E-08
5192	492363.09, 3864877.25	1.50E-04	4.74E-08	1.38E-08	1.53E-04	4.84E-08	1.41E-08	1.53E-04	4.83E-08	1.41E-08
5193	492863.09, 3864877.25	1.82E-04	5.76E-08	1.67E-08	1.86E-04	5.87E-08	1.71E-08	1.86E-04	5.87E-08	1.71E-08
5194	493363.09, 3864877.25	1.78E-04	5.62E-08	1.63E-08	1.82E-04	5.73E-08	1.67E-08	1.81E-04	5.73E-08	1.67E-08
5195	493863.09, 3864877.25	3.11E-04	9.82E-08	2.86E-08	3.18E-04	1.00E-07	2.91E-08	3.17E-04	1.00E-07	2.91E-08
5196	494363.09, 3864877.25	3.67E-04	1.16E-07	3.37E-08	3.74E-04	1.18E-07	3.44E-08	3.74E-04	1.18E-07	3.43E-08
5197	494863.09, 3864877.25	3.81E-04	1.20E-07	3.50E-08	3.89E-04	1.23E-07	3.57E-08	3.88E-04	1.23E-07	3.56E-08
5198	495363.09, 3864877.25	3.98E-04	1.25E-07	3.65E-08	4.06E-04	1.28E-07	3.72E-08	4.05E-04	1.28E-07	3.72E-08
5199	495863.09, 3864877.25	3.99E-04	1.26E-07	3.67E-08	4.07E-04	1.29E-07	3.74E-08	4.07E-04	1.28E-07	3.74E-08
5200	496363.09, 3864877.25	3.98E-04	1.26E-07	3.66E-08	4.07E-04	1.28E-07	3.73E-08	4.06E-04	1.28E-07	3.73E-08
5201	496863.09, 3864877.25	3.82E-04	1.21E-07	3.51E-08	3.90E-04	1.23E-07	3.58E-08	3.90E-04	1.23E-07	3.58E-08
5202	497363.09, 3864877.25	3.68E-04	1.16E-07	3.38E-08	3.75E-04	1.18E-07	3.44E-08	3.75E-04	1.18E-07	3.44E-08
5203	497863.09, 3864877.25	3.62E-04	1.14E-07	3.32E-08	3.69E-04	1.17E-07	3.39E-08	3.69E-04	1.16E-07	3.39E-08
5204	498363.09, 3864877.25	3.58E-04	1.13E-07	3.29E-08	3.66E-04	1.15E-07	3.36E-08	3.65E-04	1.15E-07	3.35E-08

5205	471363.09, 3865377.25	1.87E-04	5.90E-08	1.72E-08	1.91E-04	6.02E-08	1.75E-08	1.90E-04	6.01E-08	1.75E-08
5206	471863.09, 3865377.25	1.91E-04	6.04E-08	1.76E-08	1.95E-04	6.16E-08	1.79E-08	1.95E-04	6.15E-08	1.79E-08
5207	472363.09, 3865377.25	1.95E-04	6.17E-08	1.79E-08	1.99E-04	6.29E-08	1.83E-08	1.99E-04	6.28E-08	1.83E-08
5208	472863.09, 3865377.25	2.00E-04	6.31E-08	1.83E-08	2.04E-04	6.43E-08	1.87E-08	2.04E-04	6.43E-08	1.87E-08
5209	473363.09, 3865377.25	2.03E-04	6.41E-08	1.86E-08	2.07E-04	6.54E-08	1.90E-08	2.07E-04	6.53E-08	1.90E-08
5210	473863.09, 3865377.25	2.07E-04	6.52E-08	1.90E-08	2.11E-04	6.65E-08	1.94E-08	2.11E-04	6.64E-08	1.93E-08
5211	474363.09, 3865377.25	2.10E-04	6.63E-08	1.93E-08	2.14E-04	6.77E-08	1.97E-08	2.14E-04	6.76E-08	1.97E-08
5212	474863.09, 3865377.25	2.14E-04	6.75E-08	1.96E-08	2.18E-04	6.89E-08	2.00E-08	2.18E-04	6.88E-08	2.00E-08
5213	475363.09, 3865377.25	2.17E-04	6.85E-08	1.99E-08	2.22E-04	6.99E-08	2.03E-08	2.21E-04	6.99E-08	2.03E-08
5214	475863.09, 3865377.25	2.21E-04	6.97E-08	2.03E-08	2.25E-04	7.11E-08	2.07E-08	2.25E-04	7.10E-08	2.07E-08
5215	476363.09, 3865377.25	2.26E-04	7.14E-08	2.08E-08	2.31E-04	7.29E-08	2.12E-08	2.31E-04	7.28E-08	2.12E-08
5216	476863.09, 3865377.25	2.26E-04	7.13E-08	2.07E-08	2.31E-04	7.28E-08	2.12E-08	2.30E-04	7.27E-08	2.11E-08
5217	477363.09, 3865377.25	2.33E-04	7.37E-08	2.14E-08	2.38E-04	7.52E-08	2.19E-08	2.38E-04	7.51E-08	2.18E-08
5218	477863.09, 3865377.25	2.36E-04	7.44E-08	2.16E-08	2.41E-04	7.59E-08	2.21E-08	2.40E-04	7.58E-08	2.21E-08
5219	478363.09, 3865377.25	2.40E-04	7.56E-08	2.20E-08	2.44E-04	7.72E-08	2.24E-08	2.44E-04	7.71E-08	2.24E-08
5220	478863.09, 3865377.25	2.43E-04	7.65E-08	2.23E-08	2.47E-04	7.81E-08	2.27E-08	2.47E-04	7.80E-08	2.27E-08
5221	479363.09, 3865377.25	2.45E-04	7.75E-08	2.25E-08	2.50E-04	7.91E-08	2.30E-08	2.50E-04	7.90E-08	2.30E-08
5222	479863.09, 3865377.25	2.48E-04	7.84E-08	2.28E-08	2.53E-04	8.00E-08	2.33E-08	2.53E-04	7.99E-08	2.32E-08
5223	480363.09, 3865377.25	2.50E-04	7.90E-08	2.30E-08	2.55E-04	8.06E-08	2.34E-08	2.55E-04	8.05E-08	2.34E-08
5224	480863.09, 3865377.25	2.53E-04	7.97E-08	2.32E-08	2.58E-04	8.13E-08	2.37E-08	2.57E-04	8.12E-08	2.36E-08
5225	481363.09, 3865377.25	2.56E-04	8.07E-08	2.35E-08	2.61E-04	8.24E-08	2.40E-08	2.61E-04	8.23E-08	2.39E-08
5226	481863.09, 3865377.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
5227	482363.09, 3865377.25	2.60E-04	8.19E-08	2.38E-08	2.65E-04	8.36E-08	2.43E-08	2.65E-04	8.35E-08	2.43E-08
5228	482863.09, 3865377.25	2.62E-04	8.26E-08	2.40E-08	2.67E-04	8.43E-08	2.45E-08	2.67E-04	8.42E-08	2.45E-08
5229	483363.09, 3865377.25	2.67E-04	8.42E-08	2.45E-08	2.72E-04	8.59E-08	2.50E-08	2.72E-04	8.58E-08	2.50E-08
5230	483863.09, 3865377.25	2.74E-04	8.66E-08	2.52E-08	2.80E-04	8.84E-08	2.57E-08	2.80E-04	8.82E-08	2.57E-08
5231	484363.09, 3865377.25	2.84E-04	8.97E-08	2.61E-08	2.90E-04	9.15E-08	2.66E-08	2.90E-04	9.14E-08	2.66E-08
5232	484863.09, 3865377.25	2.95E-04	9.32E-08	2.71E-08	3.01E-04	9.51E-08	2.77E-08	3.01E-04	9.50E-08	2.76E-08
5233	485363.09, 3865377.25	3.07E-04	9.68E-08	2.82E-08	3.13E-04	9.88E-08	2.87E-08	3.13E-04	9.87E-08	2.87E-08
5234	485863.09, 3865377.25	3.16E-04	9.99E-08	2.91E-08	3.23E-04	1.02E-07	2.96E-08	3.23E-04	1.02E-07	2.96E-08
5235	486363.09, 3865377.25	3.25E-04	1.02E-07	2.98E-08	3.31E-04	1.05E-07	3.04E-08	3.31E-04	1.04E-07	3.04E-08
5236	486863.09, 3865377.25	3.33E-04	1.05E-07	3.05E-08	3.39E-04	1.07E-07	3.12E-08	3.39E-04	1.07E-07	3.11E-08
5237	487363.09, 3865377.25	3.42E-04	1.08E-07	3.14E-08	3.49E-04	1.10E-07	3.21E-08	3.49E-04	1.10E-07	3.20E-08
5238	487863.09, 3865377.25	3.50E-04	1.10E-07	3.21E-08	3.57E-04	1.13E-07	3.28E-08	3.56E-04	1.13E-07	3.27E-08
5239	488363.09, 3865377.25	3.56E-04	1.12E-07	3.27E-08	3.63E-04	1.15E-07	3.33E-08	3.63E-04	1.15E-07	3.33E-08
5240	488863.09, 3865377.25	3.61E-04	1.14E-07	3.31E-08	3.68E-04	1.16E-07	3.38E-08	3.68E-04	1.16E-07	3.37E-08
5241	489363.09, 3865377.25	3.61E-04	1.14E-07	3.32E-08	3.69E-04	1.16E-07	3.38E-08	3.68E-04	1.16E-07	3.38E-08
5242	489863.09, 3865377.25	3.61E-04	1.14E-07	3.32E-08	3.69E-04	1.16E-07	3.38E-08	3.68E-04	1.16E-07	3.38E-08
5243	490363.09, 3865377.25	3.50E-04	1.11E-07	3.22E-08	3.58E-04	1.13E-07	3.28E-08	3.57E-04	1.13E-07	3.28E-08
5244	490863.09, 3865377.25	3.34E-04	1.05E-07	3.07E-08	3.41E-04	1.08E-07	3.13E-08	3.41E-04	1.07E-07	3.13E-08
5245	491363.09, 3865377.25	3.24E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.30E-04	1.04E-07	3.03E-08
5246	491863.09, 3865377.25	3.21E-04	1.01E-07	2.95E-08	3.28E-04	1.03E-07	3.01E-08	3.27E-04	1.03E-07	3.01E-08
5247	492363.09, 3865377.25	2.56E-04	8.07E-08	2.35E-08	2.61E-04	8.24E-08	2.40E-08	2.61E-04	8.23E-08	2.39E-08
5248	492863.09, 3865377.25	1.99E-04	6.28E-08	1.83E-08	2.03E-04	6.41E-08	1.86E-08	2.03E-04	6.40E-08	1.86E-08
5249	493363.09, 3865377.25	1.67E-04	5.27E-08	1.53E-08	1.70E-04	5.38E-08	1.57E-08	1.70E-04	5.37E-08	1.56E-08
5250	493863.09, 3865377.25	2.26E-04	7.12E-08	2.07E-08	2.30E-04	7.27E-08	2.11E-08	2.30E-04	7.26E-08	2.11E-08
5251	494363.09, 3865377.25	2.96E-04	9.34E-08	2.72E-08	3.02E-04	9.53E-08	2.77E-08	3.02E-04	9.52E-08	2.77E-08
5252	494863.09, 3865377.25	3.26E-04	1.03E-07	2.99E-08	3.32E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.05E-08
5253	495363.09, 3865377.25	3.40E-04	1.07E-07	3.12E-08	3.47E-04	1.09E-07	3.18E-08	3.46E-04	1.09E-07	3.18E-08
5254	495863.09, 3865377.25	3.55E-04	1.12E-07	3.26E-08	3.62E-04	1.14E-07	3.33E-08	3.62E-04	1.14E-07	3.32E-08
5255	496363.09, 3865377.25	3.53E-04	1.11E-07	3.24E-08	3.60E-04	1.14E-07	3.30E-08	3.59E-04	1.13E-07	3.30E-08
5256	496863.09, 3865377.25	3.52E-04	1.11E-07	3.23E-08	3.59E-04	1.13E-07	3.29E-08	3.58E-04	1.13E-07	3.29E-08
5257	497363.09, 3865377.25	3.42E-04	1.08E-07	3.14E-08	3.49E-04	1.10E-07	3.20E-08	3.49E-04	1.10E-07	3.20E-08
5258	497863.09, 3865377.25	3.29E-04	1.04E-07	3.02E-08	3.36E-04	1.06E-07	3.08E-08	3.35E-04	1.06E-07	3.08E-08
5259	498363.09, 3865377.25	3.23E-04	1.02E-07	2.97E-08	3.30E-04	1.04E-07	3.03E-08	3.29E-04	1.04E-07	3.02E-08
5260	471363.09, 3865877.25	1.81E-04	5.72E-08	1.66E-08	1.85E-04	5.84E-08	1.70E-08	1.85E-04	5.83E-08	1.70E-08
5261	471863.09, 3865877.25	1.85E-04	5.84E-08	1.70E-08	1.89E-04	5.96E-08	1.73E-08	1.89E-04	5.95E-08	1.73E-08
5262	472363.09, 3865877.25	1.89E-04	5.97E-08	1.74E-08	1.93E-04	6.09E-08	1.77E-08	1.93E-04	6.09E-08	1.77E-08
5263	472863.09, 3865877.25	1.92E-04	6.06E-08	1.76E-08	1.96E-04	6.19E-08	1.80E-08	1.96E-04	6.18E-08	1.80E-08
5264	473363.09, 3865877.25	1.95E-04	6.16E-08	1.79E-08	1.99E-04	6.28E-08	1.83E-08	1.99E-04	6.27E-08	1.83E-08
5265	473863.09, 3865877.25	1.99E-04	6.28E-08	1.83E-08	2.03E-04	6.41E-08	1.86E-08	2.03E-04	6.40E-08	1.86E-08
5266	474363.09, 3865877.25	2.02E-04	6.39E-08	1.86E-08	2.07E-04	6.52E-08	1.90E-08	2.06E-04	6.51E-08	1.89E-08

5267	474863.09, 3865877.25	2.06E-04	6.51E-08	1.89E-08	2.10E-04	6.64E-08	1.93E-08	2.10E-04	6.64E-08	1.93E-08
5268	475363.09, 3865877.25	2.09E-04	6.60E-08	1.92E-08	2.13E-04	6.74E-08	1.96E-08	2.13E-04	6.73E-08	1.96E-08
5269	475863.09, 3865877.25	2.13E-04	6.71E-08	1.95E-08	2.17E-04	6.85E-08	1.99E-08	2.17E-04	6.84E-08	1.99E-08
5270	476363.09, 3865877.25	2.17E-04	6.86E-08	2.00E-08	2.22E-04	7.00E-08	2.04E-08	2.22E-04	7.00E-08	2.03E-08
5271	476863.09, 3865877.25	2.15E-04	6.78E-08	1.97E-08	2.19E-04	6.92E-08	2.01E-08	2.19E-04	6.91E-08	2.01E-08
5272	477363.09, 3865877.25	2.22E-04	7.01E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.26E-04	7.15E-08	2.08E-08
5273	477863.09, 3865877.25	2.24E-04	7.06E-08	2.05E-08	2.28E-04	7.20E-08	2.10E-08	2.28E-04	7.19E-08	2.09E-08
5274	478363.09, 3865877.25	2.26E-04	7.13E-08	2.07E-08	2.31E-04	7.28E-08	2.12E-08	2.30E-04	7.27E-08	2.11E-08
5275	478863.09, 3865877.25	2.29E-04	7.22E-08	2.10E-08	2.33E-04	7.36E-08	2.14E-08	2.33E-04	7.36E-08	2.14E-08
5276	479363.09, 3865877.25	2.31E-04	7.30E-08	2.12E-08	2.36E-04	7.45E-08	2.17E-08	2.36E-04	7.44E-08	2.16E-08
5277	479863.09, 3865877.25	2.33E-04	7.35E-08	2.14E-08	2.38E-04	7.50E-08	2.18E-08	2.37E-04	7.49E-08	2.18E-08
5278	480363.09, 3865877.25	2.34E-04	7.39E-08	2.15E-08	2.39E-04	7.54E-08	2.19E-08	2.39E-04	7.54E-08	2.19E-08
5279	480863.09, 3865877.25	2.36E-04	7.46E-08	2.17E-08	2.41E-04	7.61E-08	2.21E-08	2.41E-04	7.60E-08	2.21E-08
5280	481363.09, 3865877.25	2.37E-04	7.50E-08	2.18E-08	2.42E-04	7.65E-08	2.22E-08	2.42E-04	7.64E-08	2.22E-08
5281	481863.09, 3865877.25	2.39E-04	7.53E-08	2.19E-08	2.44E-04	7.69E-08	2.24E-08	2.43E-04	7.68E-08	2.23E-08
5282	482363.09, 3865877.25	2.41E-04	7.60E-08	2.21E-08	2.46E-04	7.75E-08	2.26E-08	2.45E-04	7.74E-08	2.25E-08
5283	482863.09, 3865877.25	2.44E-04	7.71E-08	2.24E-08	2.49E-04	7.87E-08	2.29E-08	2.49E-04	7.86E-08	2.29E-08
5284	483363.09, 3865877.25	2.50E-04	7.90E-08	2.30E-08	2.55E-04	8.06E-08	2.34E-08	2.55E-04	8.05E-08	2.34E-08
5285	483863.09, 3865877.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
5286	484363.09, 3865877.25	2.67E-04	8.43E-08	2.45E-08	2.72E-04	8.60E-08	2.50E-08	2.72E-04	8.59E-08	2.50E-08
5287	484863.09, 3865877.25	2.76E-04	8.71E-08	2.53E-08	2.82E-04	8.89E-08	2.59E-08	2.81E-04	8.88E-08	2.58E-08
5288	485363.09, 3865877.25	2.85E-04	9.00E-08	2.62E-08	2.91E-04	9.19E-08	2.67E-08	2.91E-04	9.18E-08	2.67E-08
5289	485863.09, 3865877.25	2.93E-04	9.26E-08	2.69E-08	2.99E-04	9.45E-08	2.75E-08	2.99E-04	9.44E-08	2.75E-08
5290	486363.09, 3865877.25	3.00E-04	9.48E-08	2.76E-08	3.06E-04	9.67E-08	2.81E-08	3.06E-04	9.66E-08	2.81E-08
5291	486863.09, 3865877.25	3.06E-04	9.67E-08	2.81E-08	3.13E-04	9.87E-08	2.87E-08	3.12E-04	9.86E-08	2.87E-08
5292	487363.09, 3865877.25	3.13E-04	9.89E-08	2.88E-08	3.20E-04	1.01E-07	2.93E-08	3.19E-04	1.01E-07	2.93E-08
5293	487863.09, 3865877.25	3.19E-04	1.01E-07	2.93E-08	3.25E-04	1.03E-07	2.99E-08	3.25E-04	1.03E-07	2.98E-08
5294	488363.09, 3865877.25	3.23E-04	1.02E-07	2.96E-08	3.29E-04	1.04E-07	3.02E-08	3.29E-04	1.04E-07	3.02E-08
5295	488863.09, 3865877.25	3.26E-04	1.03E-07	2.99E-08	3.33E-04	1.05E-07	3.05E-08	3.32E-04	1.05E-07	3.05E-08
5296	489363.09, 3865877.25	3.27E-04	1.03E-07	3.00E-08	3.34E-04	1.05E-07	3.06E-08	3.33E-04	1.05E-07	3.06E-08
5297	489863.09, 3865877.25	3.28E-04	1.03E-07	3.01E-08	3.34E-04	1.06E-07	3.07E-08	3.34E-04	1.05E-07	3.07E-08
5298	490363.09, 3865877.25	3.27E-04	1.03E-07	3.01E-08	3.34E-04	1.05E-07	3.07E-08	3.34E-04	1.05E-07	3.06E-08
5299	490863.09, 3865877.25	3.10E-04	9.78E-08	2.85E-08	3.16E-04	9.98E-08	2.90E-08	3.16E-04	9.97E-08	2.90E-08
5300	491363.09, 3865877.25	2.88E-04	9.09E-08	2.64E-08	2.94E-04	9.27E-08	2.70E-08	2.93E-04	9.26E-08	2.69E-08
5301	491863.09, 3865877.25	2.79E-04	8.82E-08	2.56E-08	2.85E-04	9.00E-08	2.62E-08	2.85E-04	8.99E-08	2.61E-08
5302	492363.09, 3865877.25	2.64E-04	8.34E-08	2.43E-08	2.70E-04	8.51E-08	2.48E-08	2.69E-04	8.50E-08	2.47E-08
5303	492863.09, 3865877.25	2.00E-04	6.32E-08	1.84E-08	2.04E-04	6.45E-08	1.88E-08	2.04E-04	6.45E-08	1.87E-08
5304	493363.09, 3865877.25	1.96E-04	6.18E-08	1.80E-08	2.00E-04	6.30E-08	1.83E-08	1.99E-04	6.29E-08	1.83E-08
5305	493863.09, 3865877.25	2.23E-04	7.04E-08	2.05E-08	2.28E-04	7.18E-08	2.09E-08	2.27E-04	7.18E-08	2.09E-08
5306	494363.09, 3865877.25	2.58E-04	8.14E-08	2.37E-08	2.63E-04	8.30E-08	2.42E-08	2.63E-04	8.29E-08	2.41E-08
5307	494863.09, 3865877.25	3.01E-04	9.51E-08	2.77E-08	3.08E-04	9.71E-08	2.82E-08	3.07E-04	9.70E-08	2.82E-08
5308	495363.09, 3865877.25	3.04E-04	9.59E-08	2.79E-08	3.10E-04	9.78E-08	2.85E-08	3.10E-04	9.77E-08	2.84E-08
5309	495863.09, 3865877.25	3.06E-04	9.66E-08	2.81E-08	3.12E-04	9.86E-08	2.87E-08	3.12E-04	9.85E-08	2.86E-08
5310	496363.09, 3865877.25	3.07E-04	9.70E-08	2.82E-08	3.14E-04	9.90E-08	2.88E-08	3.13E-04	9.89E-08	2.88E-08
5311	496863.09, 3865877.25	3.04E-04	9.59E-08	2.79E-08	3.10E-04	9.78E-08	2.85E-08	3.10E-04	9.77E-08	2.84E-08
5312	497363.09, 3865877.25	3.14E-04	9.90E-08	2.88E-08	3.20E-04	1.01E-07	2.94E-08	3.20E-04	1.01E-07	2.94E-08
5313	497863.09, 3865877.25	3.06E-04	9.64E-08	2.81E-08	3.12E-04	9.84E-08	2.86E-08	3.11E-04	9.83E-08	2.86E-08
5314	498363.09, 3865877.25	2.85E-04	9.00E-08	2.62E-08	2.91E-04	9.19E-08	2.67E-08	2.91E-04	9.18E-08	2.67E-08
5315	471363.09, 3866377.25	1.75E-04	5.53E-08	1.61E-08	1.79E-04	5.65E-08	1.64E-08	1.79E-04	5.64E-08	1.64E-08
5316	471863.09, 3866377.25	1.79E-04	5.65E-08	1.64E-08	1.83E-04	5.76E-08	1.68E-08	1.82E-04	5.75E-08	1.67E-08
5317	472363.09, 3866377.25	1.82E-04	5.76E-08	1.67E-08	1.86E-04	5.87E-08	1.71E-08	1.86E-04	5.87E-08	1.71E-08
5318	472863.09, 3866377.25	1.85E-04	5.83E-08	1.70E-08	1.89E-04	5.95E-08	1.73E-08	1.88E-04	5.94E-08	1.73E-08
5319	473363.09, 3866377.25	1.88E-04	5.94E-08	1.73E-08	1.92E-04	6.06E-08	1.76E-08	1.92E-04	6.06E-08	1.76E-08
5320	473863.09, 3866377.25	1.92E-04	6.05E-08	1.76E-08	1.96E-04	6.18E-08	1.80E-08	1.96E-04	6.17E-08	1.79E-08
5321	474363.09, 3866377.25	1.95E-04	6.17E-08	1.79E-08	1.99E-04	6.29E-08	1.83E-08	1.99E-04	6.28E-08	1.83E-08
5322	474863.09, 3866377.25	1.99E-04	6.27E-08	1.82E-08	2.03E-04	6.40E-08	1.86E-08	2.02E-04	6.39E-08	1.86E-08
5323	475363.09, 3866377.25	2.01E-04	6.34E-08	1.84E-08	2.05E-04	6.47E-08	1.88E-08	2.05E-04	6.46E-08	1.88E-08
5324	475863.09, 3866377.25	2.03E-04	6.41E-08	1.86E-08	2.07E-04	6.54E-08	1.90E-08	2.07E-04	6.53E-08	1.90E-08
5325	476363.09, 3866377.25	2.07E-04	6.54E-08	1.90E-08	2.11E-04	6.67E-08	1.94E-08	2.11E-04	6.66E-08	1.94E-08
5326	476863.09, 3866377.25	2.01E-04	6.35E-08	1.85E-08	2.05E-04	6.48E-08	1.89E-08	2.05E-04	6.47E-08	1.88E-08
5327	477363.09, 3866377.25	2.09E-04	6.60E-08	1.92E-08	2.13E-04	6.74E-08	1.96E-08	2.13E-04	6.73E-08	1.96E-08
5328	477863.09, 3866377.25	2.12E-04	6.70E-08	1.95E-08	2.16E-04	6.83E-08	1.99E-08	2.16E-04	6.82E-08	1.99E-08

5329	478363.09, 3866377.25	2.14E-04	6.74E-08	1.96E-08	2.18E-04	6.88E-08	2.00E-08	2.18E-04	6.87E-08	2.00E-08
5330	478863.09, 3866377.25	2.16E-04	6.82E-08	1.98E-08	2.20E-04	6.96E-08	2.02E-08	2.20E-04	6.95E-08	2.02E-08
5331	479363.09, 3866377.25	2.18E-04	6.88E-08	2.00E-08	2.23E-04	7.02E-08	2.04E-08	2.22E-04	7.01E-08	2.04E-08
5332	479863.09, 3866377.25	2.20E-04	6.93E-08	2.02E-08	2.24E-04	7.07E-08	2.06E-08	2.24E-04	7.06E-08	2.05E-08
5333	480363.09, 3866377.25	2.21E-04	6.97E-08	2.03E-08	2.25E-04	7.11E-08	2.07E-08	2.25E-04	7.10E-08	2.07E-08
5334	480863.09, 3866377.25	2.21E-04	6.98E-08	2.03E-08	2.26E-04	7.13E-08	2.07E-08	2.26E-04	7.12E-08	2.07E-08
5335	481363.09, 3866377.25	2.22E-04	7.02E-08	2.04E-08	2.27E-04	7.16E-08	2.08E-08	2.27E-04	7.16E-08	2.08E-08
5336	481863.09, 3866377.25	2.24E-04	7.06E-08	2.05E-08	2.28E-04	7.20E-08	2.10E-08	2.28E-04	7.19E-08	2.09E-08
5337	482363.09, 3866377.25	2.27E-04	7.15E-08	2.08E-08	2.31E-04	7.30E-08	2.12E-08	2.31E-04	7.29E-08	2.12E-08
5338	482863.09, 3866377.25	2.31E-04	7.30E-08	2.12E-08	2.36E-04	7.45E-08	2.17E-08	2.36E-04	7.44E-08	2.16E-08
5339	483363.09, 3866377.25	2.36E-04	7.46E-08	2.17E-08	2.41E-04	7.61E-08	2.21E-08	2.41E-04	7.60E-08	2.21E-08
5340	483863.09, 3866377.25	2.43E-04	7.66E-08	2.23E-08	2.48E-04	7.82E-08	2.27E-08	2.47E-04	7.81E-08	2.27E-08
5341	484363.09, 3866377.25	2.50E-04	7.90E-08	2.30E-08	2.55E-04	8.06E-08	2.34E-08	2.55E-04	8.05E-08	2.34E-08
5342	484863.09, 3866377.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.34E-08	2.43E-08	2.64E-04	8.33E-08	2.42E-08
5343	485363.09, 3866377.25	2.66E-04	8.41E-08	2.45E-08	2.72E-04	8.58E-08	2.50E-08	2.71E-04	8.57E-08	2.49E-08
5344	485863.09, 3866377.25	2.73E-04	8.61E-08	2.50E-08	2.78E-04	8.79E-08	2.56E-08	2.78E-04	8.78E-08	2.55E-08
5345	486363.09, 3866377.25	2.78E-04	8.79E-08	2.56E-08	2.84E-04	8.97E-08	2.61E-08	2.84E-04	8.96E-08	2.61E-08
5346	486863.09, 3866377.25	2.84E-04	8.96E-08	2.61E-08	2.90E-04	9.14E-08	2.66E-08	2.89E-04	9.13E-08	2.66E-08
5347	487363.09, 3866377.25	2.92E-04	9.23E-08	2.68E-08	2.98E-04	9.41E-08	2.74E-08	2.98E-04	9.40E-08	2.74E-08
5348	487863.09, 3866377.25	2.97E-04	9.37E-08	2.73E-08	3.03E-04	9.57E-08	2.78E-08	3.03E-04	9.55E-08	2.78E-08
5349	488363.09, 3866377.25	3.00E-04	9.46E-08	2.75E-08	3.06E-04	9.65E-08	2.81E-08	3.05E-04	9.64E-08	2.80E-08
5350	488863.09, 3866377.25	2.97E-04	9.37E-08	2.73E-08	3.03E-04	9.57E-08	2.78E-08	3.03E-04	9.55E-08	2.78E-08
5351	489363.09, 3866377.25	2.91E-04	9.20E-08	2.68E-08	2.97E-04	9.39E-08	2.73E-08	2.97E-04	9.37E-08	2.73E-08
5352	489863.09, 3866377.25	2.80E-04	8.83E-08	2.57E-08	2.85E-04	9.01E-08	2.62E-08	2.85E-04	9.00E-08	2.62E-08
5353	490363.09, 3866377.25	2.97E-04	9.37E-08	2.72E-08	3.03E-04	9.56E-08	2.78E-08	3.02E-04	9.55E-08	2.78E-08
5354	490863.09, 3866377.25	2.94E-04	9.27E-08	2.70E-08	3.00E-04	9.46E-08	2.75E-08	2.99E-04	9.45E-08	2.75E-08
5355	491363.09, 3866377.25	2.88E-04	9.09E-08	2.64E-08	2.94E-04	9.27E-08	2.70E-08	2.93E-04	9.26E-08	2.69E-08
5356	491863.09, 3866377.25	2.43E-04	7.65E-08	2.23E-08	2.47E-04	7.81E-08	2.27E-08	2.47E-04	7.80E-08	2.27E-08
5357	492363.09, 3866377.25	2.46E-04	7.77E-08	2.26E-08	2.51E-04	7.93E-08	2.31E-08	2.51E-04	7.92E-08	2.30E-08
5358	492863.09, 3866377.25	2.17E-04	6.86E-08	2.00E-08	2.22E-04	7.00E-08	2.04E-08	2.22E-04	7.00E-08	2.03E-08
5359	493363.09, 3866377.25	2.27E-04	7.17E-08	2.09E-08	2.32E-04	7.32E-08	2.13E-08	2.32E-04	7.31E-08	2.13E-08
5360	493863.09, 3866377.25	2.41E-04	7.62E-08	2.22E-08	2.46E-04	7.77E-08	2.26E-08	2.46E-04	7.76E-08	2.26E-08
5361	494363.09, 3866377.25	2.62E-04	8.28E-08	2.41E-08	2.68E-04	8.45E-08	2.46E-08	2.67E-04	8.44E-08	2.45E-08
5362	494863.09, 3866377.25	2.61E-04	8.23E-08	2.39E-08	2.66E-04	8.40E-08	2.44E-08	2.66E-04	8.39E-08	2.44E-08
5363	495363.09, 3866377.25	2.59E-04	8.17E-08	2.38E-08	2.64E-04	8.33E-08	2.42E-08	2.64E-04	8.32E-08	2.42E-08
5364	495863.09, 3866377.25	2.56E-04	8.07E-08	2.35E-08	2.61E-04	8.24E-08	2.40E-08	2.61E-04	8.23E-08	2.39E-08
5365	496363.09, 3866377.25	2.60E-04	8.21E-08	2.39E-08	2.66E-04	8.38E-08	2.44E-08	2.65E-04	8.37E-08	2.43E-08
5366	496863.09, 3866377.25	2.57E-04	8.11E-08	2.36E-08	2.62E-04	8.28E-08	2.41E-08	2.62E-04	8.27E-08	2.40E-08
5367	497363.09, 3866377.25	2.63E-04	8.30E-08	2.41E-08	2.68E-04	8.47E-08	2.46E-08	2.68E-04	8.46E-08	2.46E-08
5368	497863.09, 3866377.25	2.74E-04	8.64E-08	2.51E-08	2.79E-04	8.82E-08	2.56E-08	2.79E-04	8.81E-08	2.56E-08
5369	498363.09, 3866377.25	2.39E-04	7.54E-08	2.19E-08	2.44E-04	7.70E-08	2.24E-08	2.44E-04	7.69E-08	2.24E-08
5370	474494.92, 3848334.16	8.93E-02	2.82E-05	8.20E-06	9.12E-02	2.88E-05	8.37E-06	9.10E-02	2.87E-05	8.36E-06
5371	475167.27, 3848920.79	9.91E-02	3.13E-05	9.09E-06	1.01E-01	3.19E-05	9.28E-06	1.01E-01	3.19E-05	9.27E-06
5372	475297.89, 3848997.96	1.02E-01	3.21E-05	9.33E-06	1.04E-01	3.27E-05	9.52E-06	1.04E-01	3.27E-05	9.51E-06
5373	475439.05, 3849062	1.01E-01	3.19E-05	9.28E-06	1.03E-01	3.26E-05	9.47E-06	1.03E-01	3.25E-05	9.46E-06
5374	475486.86, 3849061.09	7.90E-02	2.49E-05	7.26E-06	8.07E-02	2.55E-05	7.40E-06	8.06E-02	2.54E-05	7.40E-06
5375	475538.46, 3849075.56	7.82E-02	2.47E-05	7.17E-06	7.98E-02	2.52E-05	7.32E-06	7.97E-02	2.51E-05	7.31E-06
5376	475751.79, 3849137.15	1.05E-01	3.30E-05	9.60E-06	1.07E-01	3.37E-05	9.80E-06	1.07E-01	3.37E-05	9.79E-06
5377	476303.62, 3849223.38	1.19E-01	3.77E-05	1.10E-05	1.22E-01	3.84E-05	1.12E-05	1.22E-01	3.84E-05	1.12E-05
5378	476304.51, 3849238.92	1.14E-01	3.59E-05	1.05E-05	1.16E-01	3.67E-05	1.07E-05	1.16E-01	3.66E-05	1.07E-05
5379	476365.04, 3849247.98	1.11E-01	3.52E-05	1.02E-05	1.14E-01	3.59E-05	1.04E-05	1.14E-01	3.58E-05	1.04E-05
5380	476444.86, 3849267.13	1.15E-01	3.62E-05	1.05E-05	1.17E-01	3.69E-05	1.07E-05	1.17E-01	3.69E-05	1.07E-05
5381	476550.75, 3849300.66	1.22E-01	3.86E-05	1.12E-05	1.25E-01	3.94E-05	1.15E-05	1.25E-01	3.94E-05	1.15E-05
5382	476656.71, 3849346.88	1.25E-01	3.95E-05	1.15E-05	1.28E-01	4.04E-05	1.17E-05	1.28E-01	4.03E-05	1.17E-05
5383	476873.55, 3849454.53	1.14E-01	3.61E-05	1.05E-05	1.17E-01	3.69E-05	1.07E-05	1.17E-01	3.68E-05	1.07E-05
5384	477700, 3849859.7	8.08E-02	2.55E-05	7.42E-06	8.25E-02	2.60E-05	7.57E-06	8.24E-02	2.60E-05	7.56E-06
5385	477743.16, 3849856.38	1.13E-01	3.58E-05	1.04E-05	1.16E-01	3.65E-05	1.06E-05	1.16E-01	3.65E-05	1.06E-05
5386	478477.35, 3850216.33	1.05E-01	3.32E-05	9.67E-06	1.07E-01	3.39E-05	9.86E-06	1.07E-01	3.39E-05	9.85E-06
5387	478485.8, 3850201.6	9.78E-02	3.09E-05	8.97E-06	9.98E-02	3.15E-05	9.16E-06	9.96E-02	3.14E-05	9.15E-06
5388	479113.21, 3850501.53	9.09E-02	2.87E-05	8.35E-06	9.28E-02	2.93E-05	8.52E-06	9.27E-02	2.93E-05	8.51E-06
5389	479108.11, 3850382.28	4.46E-02	1.41E-05	4.09E-06	4.55E-02	1.44E-05	4.18E-06	4.54E-02	1.43E-05	4.17E-06
5390	479689.85, 3850674.28	4.73E-02	1.49E-05	4.34E-06	4.83E-02	1.52E-05	4.43E-06	4.82E-02	1.52E-05	4.43E-06

5391	479952.42, 3850774.28	4.22E-02	1.33E-05	3.88E-06	4.31E-02	1.36E-05	3.96E-06	4.31E-02	1.36E-05	3.95E-06
5392	479911.32, 3850884.85	9.20E-02	2.90E-05	8.45E-06	9.39E-02	2.96E-05	8.62E-06	9.38E-02	2.96E-05	8.61E-06
5393	480500.92, 3851178.12	9.87E-02	3.11E-05	9.06E-06	1.01E-01	3.18E-05	9.24E-06	1.01E-01	3.17E-05	9.23E-06
5394	480738.01, 3851289.27	9.46E-02	2.98E-05	8.68E-06	9.65E-02	3.05E-05	8.86E-06	9.64E-02	3.04E-05	8.85E-06
5395	481055.42, 3851443.58	9.45E-02	2.98E-05	8.68E-06	9.65E-02	3.04E-05	8.86E-06	9.63E-02	3.04E-05	8.84E-06
5396	481110.22, 3851443.15	7.32E-02	2.31E-05	6.72E-06	7.47E-02	2.36E-05	6.86E-06	7.46E-02	2.35E-05	6.85E-06
5397	481111.1, 3851417.45	6.17E-02	1.95E-05	5.67E-06	6.30E-02	1.99E-05	5.78E-06	6.29E-02	1.99E-05	5.78E-06
5398	482248.44, 3852605.09	9.02E-02	2.85E-05	8.29E-06	9.21E-02	2.91E-05	8.45E-06	9.20E-02	2.90E-05	8.44E-06
5399	482273.34, 3852632.31	9.33E-02	2.94E-05	8.56E-06	9.52E-02	3.00E-05	8.74E-06	9.50E-02	3.00E-05	8.73E-06
5400	482665.46, 3853038.72	7.72E-02	2.44E-05	7.08E-06	7.87E-02	2.49E-05	7.23E-06	7.86E-02	2.48E-05	7.22E-06
5401	483077.95, 3853844.31	3.79E-03	1.20E-06	3.48E-07	3.87E-03	1.22E-06	3.55E-07	3.86E-03	1.22E-06	3.54E-07
5402	483121.38, 3853909.38	3.37E-03	1.06E-06	3.10E-07	3.44E-03	1.09E-06	3.16E-07	3.44E-03	1.09E-06	3.16E-07
5403	483492.64, 3853911.49	3.33E-03	1.05E-06	3.06E-07	3.40E-03	1.07E-06	3.12E-07	3.40E-03	1.07E-06	3.12E-07
5404	483498.29, 3854204.73	2.35E-03	7.41E-07	2.15E-07	2.39E-03	7.56E-07	2.20E-07	2.39E-03	7.55E-07	2.20E-07
5405	484132.44, 3854662.55	1.38E-03	4.37E-07	1.27E-07	1.41E-03	4.46E-07	1.30E-07	1.41E-03	4.45E-07	1.30E-07
5406	484627.62, 3854876.13	1.33E-03	4.21E-07	1.22E-07	1.36E-03	4.30E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
5407	484756.14, 3854949.04	1.32E-03	4.16E-07	1.21E-07	1.35E-03	4.25E-07	1.23E-07	1.34E-03	4.24E-07	1.23E-07
5408	486697.51, 3856599.17	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
5409	487105.31, 3856962.27	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5410	487157.57, 3856901.7	9.12E-04	2.88E-07	8.37E-08	9.31E-04	2.94E-07	8.54E-08	9.30E-04	2.93E-07	8.53E-08
5411	487173.5, 3856853.74	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
5412	487564.41, 3856860.83	9.03E-04	2.85E-07	8.29E-08	9.21E-04	2.91E-07	8.46E-08	9.20E-04	2.90E-07	8.45E-08
5413	487563.31, 3856931.58	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5414	487782.7, 3856926.85	9.18E-04	2.90E-07	8.43E-08	9.37E-04	2.96E-07	8.60E-08	9.36E-04	2.95E-07	8.59E-08
5415	487782.39, 3856757.07	9.06E-04	2.86E-07	8.32E-08	9.25E-04	2.92E-07	8.49E-08	9.24E-04	2.92E-07	8.48E-08
5416	487917.26, 3856752.41	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5417	487919.57, 3856953.35	9.29E-04	2.93E-07	8.53E-08	9.48E-04	2.99E-07	8.71E-08	9.47E-04	2.99E-07	8.70E-08
5418	487932.76, 3857000.32	9.32E-04	2.94E-07	8.56E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
5419	487960.5, 3857044.75	9.37E-04	2.96E-07	8.60E-08	9.56E-04	3.02E-07	8.78E-08	9.55E-04	3.02E-07	8.77E-08
5420	488016.54, 3857089.54	9.44E-04	2.98E-07	8.67E-08	9.64E-04	3.04E-07	8.85E-08	9.63E-04	3.04E-07	8.84E-08
5421	488114.39, 3857165.47	9.60E-04	3.03E-07	8.81E-08	9.80E-04	3.09E-07	8.99E-08	9.78E-04	3.09E-07	8.98E-08
5422	488171.49, 3857234.24	9.78E-04	3.09E-07	8.98E-08	9.98E-04	3.15E-07	9.16E-08	9.96E-04	3.15E-07	9.15E-08
5423	488193.16, 3857297.8	9.97E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.34E-08	1.02E-03	3.21E-07	9.33E-08
5424	488189.27, 3857649.94	1.14E-03	3.59E-07	1.04E-07	1.16E-03	3.67E-07	1.07E-07	1.16E-03	3.66E-07	1.07E-07
5425	488127.43, 3857732.32	1.17E-03	3.70E-07	1.08E-07	1.20E-03	3.78E-07	1.10E-07	1.20E-03	3.77E-07	1.10E-07
5426	488149.93, 3857752.94	1.19E-03	3.74E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.81E-07	1.11E-07
5427	488144.76, 3857758.71	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.82E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
5428	488335.58, 3857932.55	1.36E-03	4.30E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.38E-07	1.27E-07
5429	488372.29, 3857943.79	1.38E-03	4.36E-07	1.27E-07	1.41E-03	4.45E-07	1.29E-07	1.41E-03	4.44E-07	1.29E-07
5430	488828.64, 3857936.4	1.42E-03	4.50E-07	1.31E-07	1.45E-03	4.59E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
5431	488829.08, 3857959.58	1.45E-03	4.56E-07	1.33E-07	1.48E-03	4.66E-07	1.35E-07	1.47E-03	4.65E-07	1.35E-07
5432	488351.61, 3857964.55	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
5433	488316.87, 3857947.65	1.37E-03	4.33E-07	1.26E-07	1.40E-03	4.42E-07	1.28E-07	1.40E-03	4.41E-07	1.28E-07
5434	488129.1, 3857775.77	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
5435	488062.53, 3857846.13	1.23E-03	3.88E-07	1.13E-07	1.25E-03	3.96E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
5436	488330.41, 3858091.34	1.51E-03	4.77E-07	1.39E-07	1.54E-03	4.87E-07	1.42E-07	1.54E-03	4.86E-07	1.41E-07
5437	488470.87, 3858174.45	1.69E-03	5.34E-07	1.55E-07	1.73E-03	5.45E-07	1.59E-07	1.73E-03	5.45E-07	1.58E-07
5438	488568.9, 3858262.31	1.89E-03	5.97E-07	1.74E-07	1.93E-03	6.10E-07	1.77E-07	1.93E-03	6.09E-07	1.77E-07
5439	488964.27, 3858025.71	1.52E-03	4.81E-07	1.40E-07	1.55E-03	4.90E-07	1.43E-07	1.55E-03	4.90E-07	1.42E-07
5440	489147.25, 3857956.64	1.41E-03	4.45E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
5441	489343.52, 3857932.45	1.31E-03	4.12E-07	1.20E-07	1.33E-03	4.21E-07	1.22E-07	1.33E-03	4.20E-07	1.22E-07
5442	489866.19, 3857923.19	1.19E-03	3.77E-07	1.10E-07	1.22E-03	3.85E-07	1.12E-07	1.22E-03	3.84E-07	1.12E-07
5443	489955.65, 3857902.27	1.16E-03	3.66E-07	1.06E-07	1.18E-03	3.73E-07	1.09E-07	1.18E-03	3.73E-07	1.08E-07
5444	490079.44, 3857847.9	1.13E-03	3.57E-07	1.04E-07	1.15E-03	3.64E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
5445	490108.49, 3857934.13	1.19E-03	3.76E-07	1.09E-07	1.22E-03	3.83E-07	1.12E-07	1.21E-03	3.83E-07	1.11E-07
5446	489884.48, 3858014.17	1.28E-03	4.05E-07	1.18E-07	1.31E-03	4.14E-07	1.20E-07	1.31E-03	4.13E-07	1.20E-07
5447	489326.56, 3858025.86	1.42E-03	4.49E-07	1.31E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.57E-07	1.33E-07
5448	489130.38, 3858056.71	1.52E-03	4.78E-07	1.39E-07	1.55E-03	4.88E-07	1.42E-07	1.54E-03	4.87E-07	1.42E-07
5449	488936.49, 3858143.93	1.69E-03	5.32E-07	1.55E-07	1.72E-03	5.43E-07	1.58E-07	1.72E-03	5.42E-07	1.58E-07
5450	488638.08, 3858327.45	2.06E-03	6.49E-07	1.89E-07	2.10E-03	6.63E-07	1.93E-07	2.10E-03	6.62E-07	1.93E-07
5451	488663.79, 3858349.57	2.12E-03	6.70E-07	1.95E-07	2.17E-03	6.83E-07	1.99E-07	2.16E-03	6.83E-07	1.99E-07
5452	488694.56, 3858349.5	2.13E-03	6.71E-07	1.95E-07	2.17E-03	6.85E-07	1.99E-07	2.17E-03	6.84E-07	1.99E-07

5453	488694.35, 3858336.75	2.09E-03	6.60E-07	1.92E-07	2.13E-03	6.73E-07	1.96E-07	2.13E-03	6.73E-07	1.96E-07
5454	488712.81, 3858336.38	2.09E-03	6.61E-07	1.92E-07	2.14E-03	6.74E-07	1.96E-07	2.13E-03	6.73E-07	1.96E-07
5455	488713.23, 3858367.46	2.18E-03	6.90E-07	2.01E-07	2.23E-03	7.04E-07	2.05E-07	2.23E-03	7.03E-07	2.04E-07
5456	488704.63, 3858384.05	2.24E-03	7.06E-07	2.05E-07	2.28E-03	7.20E-07	2.09E-07	2.28E-03	7.19E-07	2.09E-07
5457	488604.15, 3858488.29	2.59E-03	8.17E-07	2.38E-07	2.64E-03	8.34E-07	2.42E-07	2.64E-03	8.33E-07	2.42E-07
5458	488605.66, 3858550.47	2.87E-03	9.06E-07	2.64E-07	2.93E-03	9.25E-07	2.69E-07	2.93E-03	9.24E-07	2.69E-07
5459	488692.68, 3858548.71	2.97E-03	9.37E-07	2.72E-07	3.03E-03	9.56E-07	2.78E-07	3.02E-03	9.55E-07	2.78E-07
5460	488759.93, 3858461.81	2.55E-03	8.04E-07	2.34E-07	2.60E-03	8.20E-07	2.39E-07	2.60E-03	8.19E-07	2.38E-07
5461	488816.57, 3858541.79	3.00E-03	9.47E-07	2.75E-07	3.06E-03	9.66E-07	2.81E-07	3.06E-03	9.65E-07	2.81E-07
5462	488944.63, 3858656.77	4.06E-03	1.28E-06	3.73E-07	4.15E-03	1.31E-06	3.81E-07	4.14E-03	1.31E-06	3.80E-07
5463	489134.91, 3858830.7	1.30E-02	4.09E-06	1.19E-06	1.32E-02	4.17E-06	1.21E-06	1.32E-02	4.17E-06	1.21E-06
5464	489193.99, 3858886.05	2.05E-02	6.46E-06	1.88E-06	2.09E-02	6.59E-06	1.92E-06	2.09E-02	6.58E-06	1.91E-06
5465	489295.2, 3858954.34	2.72E-02	8.58E-06	2.50E-06	2.77E-02	8.75E-06	2.55E-06	2.77E-02	8.74E-06	2.54E-06
5466	489295.64, 3858992.74	3.45E-02	1.09E-05	3.16E-06	3.52E-02	1.11E-05	3.23E-06	3.51E-02	1.11E-05	3.23E-06
5467	489183.74, 3858911.72	2.60E-02	8.19E-06	2.38E-06	2.65E-02	8.36E-06	2.43E-06	2.65E-02	8.35E-06	2.43E-06
5468	488873.37, 3858625.59	3.71E-03	1.17E-06	3.40E-07	3.78E-03	1.19E-06	3.47E-07	3.78E-03	1.19E-06	3.47E-07
5469	488842.84, 3858658.69	4.08E-03	1.29E-06	3.75E-07	4.16E-03	1.31E-06	3.82E-07	4.16E-03	1.31E-06	3.82E-07
5470	488856.39, 3858670.93	4.26E-03	1.34E-06	3.91E-07	4.34E-03	1.37E-06	3.99E-07	4.34E-03	1.37E-06	3.98E-07
5471	488805.7, 3858724.5	5.14E-03	1.62E-06	4.72E-07	5.25E-03	1.66E-06	4.82E-07	5.24E-03	1.65E-06	4.81E-07
5472	488805.87, 3858804.16	7.97E-03	2.51E-06	7.31E-07	8.13E-03	2.57E-06	7.46E-07	8.12E-03	2.56E-06	7.45E-07
5473	488995.78, 3858936.96	7.31E-02	2.31E-05	6.71E-06	7.46E-02	2.35E-05	6.85E-06	7.45E-02	2.35E-05	6.84E-06
5474	489130.76, 3859017.38	8.20E-02	2.59E-05	7.53E-06	8.37E-02	2.64E-05	7.68E-06	8.36E-02	2.64E-05	7.68E-06
5475	489130.92, 3859052.24	7.25E-02	2.29E-05	6.65E-06	7.40E-02	2.33E-05	6.79E-06	7.39E-02	2.33E-05	6.78E-06
5476	489200.33, 3859090.6	9.23E-02	2.91E-05	8.47E-06	9.41E-02	2.97E-05	8.64E-06	9.40E-02	2.97E-05	8.63E-06
5477	489296.07, 3859143.7	9.94E-02	3.14E-05	9.12E-06	1.01E-01	3.20E-05	9.31E-06	1.01E-01	3.20E-05	9.30E-06
5478	489296.43, 3858954.74	2.72E-02	8.58E-06	2.49E-06	2.77E-02	8.75E-06	2.55E-06	2.77E-02	8.74E-06	2.54E-06
5479	489410.33, 3859033.19	3.22E-02	1.02E-05	2.96E-06	3.29E-02	1.04E-05	3.02E-06	3.29E-02	1.04E-05	3.02E-06
5480	489371.37, 3859089.8	4.96E-02	1.57E-05	4.56E-06	5.06E-02	1.60E-05	4.65E-06	5.06E-02	1.60E-05	4.64E-06
5481	489390.52, 3859102.82	5.06E-02	1.60E-05	4.65E-06	5.17E-02	1.63E-05	4.74E-06	5.16E-02	1.63E-05	4.74E-06
5482	489382.3, 3859114.53	5.65E-02	1.78E-05	5.19E-06	5.76E-02	1.82E-05	5.29E-06	5.76E-02	1.82E-05	5.29E-06
5483	489363.04, 3859102.45	5.57E-02	1.76E-05	5.11E-06	5.68E-02	1.79E-05	5.21E-06	5.67E-02	1.79E-05	5.21E-06
5484	489337.52, 3859140.71	8.58E-02	2.71E-05	7.87E-06	8.75E-02	2.76E-05	8.03E-06	8.74E-02	2.76E-05	8.02E-06
5485	489375.14, 3859164.55	9.05E-02	2.86E-05	8.31E-06	9.24E-02	2.92E-05	8.48E-06	9.23E-02	2.91E-05	8.47E-06
5486	489409.3, 3859114.5	5.14E-02	1.62E-05	4.72E-06	5.24E-02	1.65E-05	4.81E-06	5.23E-02	1.65E-05	4.81E-06
5487	489434.87, 3859131.81	5.30E-02	1.67E-05	4.86E-06	5.40E-02	1.71E-05	4.96E-06	5.40E-02	1.70E-05	4.96E-06
5488	489471.87, 3859075.75	3.45E-02	1.09E-05	3.17E-06	3.52E-02	1.11E-05	3.23E-06	3.52E-02	1.11E-05	3.23E-06
5489	489602.62, 3859164.69	3.95E-02	1.25E-05	3.63E-06	4.04E-02	1.27E-05	3.70E-06	4.03E-02	1.27E-05	3.70E-06
5490	489558.29, 3859232.45	7.02E-02	2.22E-05	6.45E-06	7.17E-02	2.26E-05	6.58E-06	7.16E-02	2.26E-05	6.57E-06
5491	489620.11, 3859273.56	7.55E-02	2.38E-05	6.93E-06	7.71E-02	2.43E-05	7.07E-06	7.70E-02	2.43E-05	7.07E-06
5492	489666.06, 3859206.42	4.18E-02	1.32E-05	3.84E-06	4.26E-02	1.35E-05	3.91E-06	4.26E-02	1.34E-05	3.91E-06
5493	489787.9, 3859285.65	4.58E-02	1.44E-05	4.20E-06	4.67E-02	1.47E-05	4.29E-06	4.67E-02	1.47E-05	4.28E-06
5494	489752.17, 3859343.13	7.53E-02	2.38E-05	6.91E-06	7.68E-02	2.43E-05	7.05E-06	7.68E-02	2.42E-05	7.05E-06
5495	489814.94, 3859385.33	8.12E-02	2.56E-05	7.46E-06	8.29E-02	2.62E-05	7.61E-06	8.28E-02	2.61E-05	7.60E-06
5496	489853.42, 3859330.74	4.86E-02	1.53E-05	4.46E-06	4.96E-02	1.57E-05	4.55E-06	4.95E-02	1.56E-05	4.55E-06
5497	489969.5, 3859401.91	5.16E-02	1.63E-05	4.73E-06	5.26E-02	1.66E-05	4.83E-06	5.26E-02	1.66E-05	4.83E-06
5498	490166.91, 3859486.96	4.79E-02	1.51E-05	4.40E-06	4.89E-02	1.54E-05	4.49E-06	4.88E-02	1.54E-05	4.48E-06
5499	490128.86, 3859571.46	1.11E-01	3.51E-05	1.02E-05	1.14E-01	3.58E-05	1.04E-05	1.13E-01	3.58E-05	1.04E-05
5500	490186.65, 3859593.65	1.13E-01	3.57E-05	1.04E-05	1.15E-01	3.64E-05	1.06E-05	1.15E-01	3.64E-05	1.06E-05
5501	490223.74, 3859517.48	4.96E-02	1.56E-05	4.55E-06	5.06E-02	1.60E-05	4.64E-06	5.05E-02	1.59E-05	4.64E-06
5502	490846.34, 3859817.22	7.34E-02	2.32E-05	6.74E-06	7.49E-02	2.36E-05	6.88E-06	7.48E-02	2.36E-05	6.87E-06
5503	490925.65, 3859844.59	6.81E-02	2.15E-05	6.25E-06	6.95E-02	2.19E-05	6.38E-06	6.94E-02	2.19E-05	6.37E-06
5504	491159.29, 3859896.28	4.94E-02	1.56E-05	4.54E-06	5.05E-02	1.59E-05	4.63E-06	5.04E-02	1.59E-05	4.63E-06
5505	491370.69, 3859960.89	3.71E-02	1.17E-05	3.40E-06	3.78E-02	1.19E-05	3.47E-06	3.78E-02	1.19E-05	3.47E-06
5506	491330.28, 3860063.17	5.85E-02	1.85E-05	5.37E-06	5.97E-02	1.88E-05	5.48E-06	5.96E-02	1.88E-05	5.48E-06
5507	491636.45, 3860180.75	3.72E-02	1.17E-05	3.41E-06	3.79E-02	1.20E-05	3.48E-06	3.79E-02	1.20E-05	3.48E-06
5508	491617.94, 3860203.93	4.20E-02	1.33E-05	3.86E-06	4.29E-02	1.35E-05	3.93E-06	4.28E-02	1.35E-05	3.93E-06
5509	491805.68, 3860271.59	3.27E-02	1.03E-05	3.00E-06	3.34E-02	1.05E-05	3.07E-06	3.34E-02	1.05E-05	3.06E-06
5510	491654.23, 3860414.02	5.70E-02	1.80E-05	5.23E-06	5.81E-02	1.83E-05	5.34E-06	5.81E-02	1.83E-05	5.33E-06
5511	491592.62, 3860510.76	1.94E-02	6.14E-06	1.78E-06	1.98E-02	6.26E-06	1.82E-06	1.98E-02	6.25E-06	1.82E-06
5512	491475.41, 3860368.93	2.99E-02	9.44E-06	2.75E-06	3.05E-02	9.64E-06	2.80E-06	3.05E-02	9.63E-06	2.80E-06
5513	491445.61, 3860337.28	3.28E-02	1.03E-05	3.01E-06	3.35E-02	1.06E-05	3.07E-06	3.34E-02	1.05E-05	3.07E-06
5514	491399.05, 3860300.37	3.44E-02	1.09E-05	3.16E-06	3.51E-02	1.11E-05	3.22E-06	3.50E-02	1.11E-05	3.22E-06

5515	491228.84, 3860235.98	2.32E-02	7.33E-06	2.13E-06	2.37E-02	7.48E-06	2.18E-06	2.37E-02	7.48E-06	2.17E-06
5516	491228.47, 3860174.57	3.66E-02	1.16E-05	3.36E-06	3.74E-02	1.18E-05	3.43E-06	3.73E-02	1.18E-05	3.43E-06
5517	491145.77, 3860112.55	3.77E-02	1.19E-05	3.46E-06	3.84E-02	1.21E-05	3.53E-06	3.84E-02	1.21E-05	3.52E-06
5518	490844.41, 3859966.22	3.59E-02	1.13E-05	3.30E-06	3.66E-02	1.16E-05	3.36E-06	3.66E-02	1.16E-05	3.36E-06
5519	490845.55, 3859928.15	5.71E-02	1.80E-05	5.24E-06	5.83E-02	1.84E-05	5.35E-06	5.82E-02	1.84E-05	5.34E-06
5520	490046.91, 3859625.6	4.40E-02	1.39E-05	4.04E-06	4.49E-02	1.42E-05	4.12E-06	4.49E-02	1.42E-05	4.12E-06
5521	489970.48, 3859589.4	4.40E-02	1.39E-05	4.04E-06	4.49E-02	1.42E-05	4.12E-06	4.49E-02	1.42E-05	4.12E-06
5522	489865.89, 3859529.06	4.68E-02	1.48E-05	4.30E-06	4.78E-02	1.51E-05	4.38E-06	4.77E-02	1.51E-05	4.38E-06
5523	489826.89, 3859531.74	3.61E-02	1.14E-05	3.31E-06	3.68E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.37E-06
5524	489410.47, 3859303.06	3.47E-02	1.10E-05	3.19E-06	3.54E-02	1.12E-05	3.25E-06	3.54E-02	1.12E-05	3.25E-06
5525	489407.15, 3859286.09	4.09E-02	1.29E-05	3.76E-06	4.18E-02	1.32E-05	3.83E-06	4.17E-02	1.32E-05	3.83E-06
5526	488806.07, 3858963.62	1.64E-02	5.17E-06	1.50E-06	1.67E-02	5.27E-06	1.53E-06	1.67E-02	5.27E-06	1.53E-06
5527	488817.64, 3859546.3	4.97E-03	1.57E-06	4.56E-07	5.07E-03	1.60E-06	4.65E-07	5.06E-03	1.60E-06	4.65E-07
5528	489187.25, 3859549.52	7.76E-03	2.45E-06	7.13E-07	7.92E-03	2.50E-06	7.27E-07	7.91E-03	2.50E-06	7.26E-07
5529	489187.66, 3859523.74	8.18E-03	2.58E-06	7.51E-07	8.35E-03	2.64E-06	7.67E-07	8.34E-03	2.63E-06	7.66E-07
5530	489232.59, 3859522.85	8.80E-03	2.78E-06	8.07E-07	8.98E-03	2.83E-06	8.24E-07	8.96E-03	2.83E-06	8.23E-07
5531	489224.98, 3859759.91	5.70E-03	1.80E-06	5.23E-07	5.81E-03	1.84E-06	5.34E-07	5.81E-03	1.83E-06	5.33E-07
5532	488401.39, 3859763.34	2.74E-03	8.64E-07	2.51E-07	2.79E-03	8.82E-07	2.56E-07	2.79E-03	8.80E-07	2.56E-07
5533	488405.51, 3859966.16	2.44E-03	7.69E-07	2.24E-07	2.49E-03	7.85E-07	2.28E-07	2.48E-03	7.84E-07	2.28E-07
5534	489202.85, 3859956.57	4.37E-03	1.38E-06	4.01E-07	4.46E-03	1.41E-06	4.10E-07	4.46E-03	1.41E-06	4.09E-07
5535	489191.9, 3860676.74	2.25E-03	7.10E-07	2.06E-07	2.29E-03	7.24E-07	2.11E-07	2.29E-03	7.23E-07	2.10E-07
5536	488392.82, 3860687.88	1.66E-03	5.24E-07	1.52E-07	1.69E-03	5.34E-07	1.55E-07	1.69E-03	5.34E-07	1.55E-07
5537	488392.82, 3860760.27	1.61E-03	5.09E-07	1.48E-07	1.64E-03	5.19E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
5538	487549.05, 3860777.45	1.16E-03	3.66E-07	1.07E-07	1.18E-03	3.74E-07	1.09E-07	1.18E-03	3.73E-07	1.09E-07
5539	487554.62, 3859571.83	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.30E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
5540	485949.46, 3859558.54	8.62E-04	2.72E-07	7.92E-08	8.80E-04	2.78E-07	8.08E-08	8.79E-04	2.77E-07	8.07E-08
5541	485947.55, 3857943.61	8.71E-04	2.75E-07	8.00E-08	8.89E-04	2.81E-07	8.16E-08	8.88E-04	2.80E-07	8.15E-08
5542	484738.38, 3857940.21	7.75E-04	2.45E-07	7.12E-08	7.91E-04	2.50E-07	7.26E-08	7.90E-04	2.49E-07	7.25E-08
5543	484737.06, 3857535.68	7.71E-04	2.43E-07	7.08E-08	7.87E-04	2.48E-07	7.23E-08	7.86E-04	2.48E-07	7.22E-08
5544	483730.2, 3857530.13	7.44E-04	2.35E-07	6.83E-08	7.59E-04	2.40E-07	6.97E-08	7.58E-04	2.39E-07	6.96E-08
5545	483727.27, 3857130.01	7.66E-04	2.42E-07	7.04E-08	7.82E-04	2.47E-07	7.18E-08	7.81E-04	2.47E-07	7.17E-08
5546	483124.42, 3857123.45	7.51E-04	2.37E-07	6.90E-08	7.66E-04	2.42E-07	7.04E-08	7.66E-04	2.42E-07	7.03E-08
5547	483111.13, 3855921.03	9.82E-04	3.10E-07	9.02E-08	1.00E-03	3.16E-07	9.20E-08	1.00E-03	3.16E-07	9.19E-08
5548	482701.73, 3855918.24	9.74E-04	3.07E-07	8.94E-08	9.94E-04	3.14E-07	9.12E-08	9.93E-04	3.13E-07	9.11E-08
5549	482668.02, 3853521.78	9.81E-03	3.10E-06	9.00E-07	1.00E-02	3.16E-06	9.19E-07	1.00E-02	3.15E-06	9.18E-07
5550	482579.91, 3853219.19	1.97E-02	6.20E-06	1.80E-06	2.01E-02	6.33E-06	1.84E-06	2.00E-02	6.32E-06	1.84E-06
5551	482434.06, 3852961.94	2.69E-02	8.50E-06	2.47E-06	2.75E-02	8.67E-06	2.52E-06	2.74E-02	8.66E-06	2.52E-06
5552	482332.11, 3852832.85	3.11E-02	9.82E-06	2.86E-06	3.17E-02	1.00E-05	2.91E-06	3.17E-02	1.00E-05	2.91E-06
5553	481334.99, 3851818.96	3.12E-02	9.83E-06	2.86E-06	3.18E-02	1.00E-05	2.92E-06	3.18E-02	1.00E-05	2.92E-06
5554	481127.62, 3851646.36	3.28E-02	1.04E-05	3.01E-06	3.35E-02	1.06E-05	3.08E-06	3.35E-02	1.06E-05	3.07E-06
5555	481025.04, 3851591.73	3.07E-02	9.69E-06	2.82E-06	3.13E-02	9.89E-06	2.88E-06	3.13E-02	9.87E-06	2.87E-06
5556	480513.6, 3851335.76	3.08E-02	9.71E-06	2.82E-06	3.14E-02	9.90E-06	2.88E-06	3.13E-02	9.89E-06	2.88E-06
5557	480523.56, 3851317.66	3.61E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.38E-06
5558	476921.56, 3849569.11	3.82E-02	1.21E-05	3.51E-06	3.90E-02	1.23E-05	3.58E-06	3.90E-02	1.23E-05	3.58E-06
5559	476521.19, 3849373.96	5.09E-02	1.61E-05	4.67E-06	5.20E-02	1.64E-05	4.77E-06	5.19E-02	1.64E-05	4.76E-06
5560	476391.45, 3849333.38	5.22E-02	1.65E-05	4.79E-06	5.32E-02	1.68E-05	4.89E-06	5.32E-02	1.68E-05	4.88E-06
5561	476219.41, 3849304.29	4.98E-02	1.57E-05	4.57E-06	5.08E-02	1.60E-05	4.67E-06	5.08E-02	1.60E-05	4.66E-06
5562	475679.11, 3849218.47	4.39E-02	1.38E-05	4.03E-06	4.48E-02	1.41E-05	4.11E-06	4.47E-02	1.41E-05	4.10E-06
5563	475677.71, 3849233.88	3.62E-02	1.14E-05	3.32E-06	3.69E-02	1.17E-05	3.39E-06	3.69E-02	1.16E-05	3.39E-06
5564	475492.74, 3849204.66	2.30E-02	7.27E-06	2.11E-06	2.35E-02	7.42E-06	2.16E-06	2.35E-02	7.41E-06	2.15E-06
5565	475497.64, 3849158.75	5.62E-02	1.77E-05	5.16E-06	5.73E-02	1.81E-05	5.26E-06	5.73E-02	1.81E-05	5.26E-06
5566	475391.35, 3849141.94	3.84E-02	1.21E-05	3.52E-06	3.92E-02	1.24E-05	3.60E-06	3.91E-02	1.23E-05	3.59E-06
5567	475277, 3849095.47	3.31E-02	1.04E-05	3.04E-06	3.38E-02	1.07E-05	3.10E-06	3.37E-02	1.06E-05	3.10E-06
5568	475183.93, 3849025.66	3.81E-02	1.20E-05	3.50E-06	3.89E-02	1.23E-05	3.57E-06	3.88E-02	1.23E-05	3.57E-06
5569	474453.23, 3848378.77	4.34E-02	1.37E-05	3.99E-06	4.43E-02	1.40E-05	4.07E-06	4.43E-02	1.40E-05	4.06E-06
5570	474569.63, 3848399.34	8.30E-02	2.62E-05	7.62E-06	8.47E-02	2.67E-05	7.77E-06	8.46E-02	2.67E-05	7.76E-06
5571	474644.33, 3848464.52	7.67E-02	2.42E-05	7.04E-06	7.82E-02	2.47E-05	7.18E-06	7.81E-02	2.47E-05	7.17E-06
5572	474719.04, 3848529.7	9.98E-02	3.15E-05	9.17E-06	1.02E-01	3.22E-05	9.35E-06	1.02E-01	3.21E-05	9.34E-06
5573	474793.74, 3848594.88	8.53E-02	2.69E-05	7.84E-06	8.71E-02	2.75E-05	8.00E-06	8.70E-02	2.75E-05	7.99E-06
5574	474868.45, 3848660.07	9.88E-02	3.12E-05	9.07E-06	1.01E-01	3.18E-05	9.25E-06	1.01E-01	3.18E-05	9.24E-06
5575	474943.15, 3848725.25	9.85E-02	3.11E-05	9.04E-06	1.00E-01	3.17E-05	9.23E-06	1.00E-01	3.17E-05	9.21E-06
5576	475017.86, 3848790.43	9.92E-02	3.13E-05	9.11E-06	1.01E-01	3.20E-05	9.30E-06	1.01E-01	3.19E-05	9.29E-06

5577	475092.56, 3848855.61	9.92E-02	3.13E-05	9.11E-06	1.01E-01	3.20E-05	9.29E-06	1.01E-01	3.19E-05	9.28E-06
5578	475232.58, 3848959.38	9.56E-02	3.02E-05	8.78E-06	9.76E-02	3.08E-05	8.96E-06	9.74E-02	3.08E-05	8.95E-06
5579	475368.47, 3849029.98	9.78E-02	3.09E-05	8.98E-06	9.98E-02	3.15E-05	9.16E-06	9.96E-02	3.15E-05	9.15E-06
5580	475609.57, 3849096.09	8.23E-02	2.60E-05	7.56E-06	8.40E-02	2.65E-05	7.71E-06	8.39E-02	2.65E-05	7.71E-06
5581	475680.68, 3849116.62	9.12E-02	2.88E-05	8.37E-06	9.30E-02	2.94E-05	8.54E-06	9.29E-02	2.93E-05	8.53E-06
5582	475843.76, 3849151.52	1.09E-01	3.44E-05	1.00E-05	1.11E-01	3.51E-05	1.02E-05	1.11E-01	3.51E-05	1.02E-05
5583	475935.73, 3849165.89	1.05E-01	3.30E-05	9.60E-06	1.07E-01	3.37E-05	9.79E-06	1.07E-01	3.36E-05	9.78E-06
5584	476027.71, 3849180.27	1.06E-01	3.34E-05	9.73E-06	1.08E-01	3.41E-05	9.93E-06	1.08E-01	3.41E-05	9.91E-06
5585	476119.68, 3849194.64	1.19E-01	3.77E-05	1.10E-05	1.22E-01	3.85E-05	1.12E-05	1.22E-01	3.84E-05	1.12E-05
5586	476211.65, 3849209.01	1.24E-01	3.92E-05	1.14E-05	1.27E-01	4.00E-05	1.16E-05	1.27E-01	4.00E-05	1.16E-05
5587	476497.81, 3849283.9	1.16E-01	3.65E-05	1.06E-05	1.18E-01	3.73E-05	1.08E-05	1.18E-01	3.72E-05	1.08E-05
5588	476603.73, 3849323.77	1.24E-01	3.90E-05	1.13E-05	1.26E-01	3.98E-05	1.16E-05	1.26E-01	3.98E-05	1.16E-05
5589	476728.99, 3849382.76	9.63E-02	3.04E-05	8.84E-06	9.83E-02	3.10E-05	9.02E-06	9.81E-02	3.10E-05	9.01E-06
5590	476801.27, 3849418.65	1.01E-01	3.19E-05	9.28E-06	1.03E-01	3.26E-05	9.47E-06	1.03E-01	3.25E-05	9.46E-06
5591	476956.2, 3849495.05	1.10E-01	3.47E-05	1.01E-05	1.12E-01	3.54E-05	1.03E-05	1.12E-01	3.53E-05	1.03E-05
5592	477038.84, 3849535.56	1.03E-01	3.25E-05	9.46E-06	1.05E-01	3.32E-05	9.66E-06	1.05E-01	3.32E-05	9.65E-06
5593	477121.49, 3849576.08	1.01E-01	3.19E-05	9.29E-06	1.03E-01	3.26E-05	9.48E-06	1.03E-01	3.25E-05	9.47E-06
5594	477204.13, 3849616.6	9.85E-02	3.11E-05	9.04E-06	1.00E-01	3.17E-05	9.22E-06	1.00E-01	3.17E-05	9.21E-06
5595	477286.78, 3849657.12	9.20E-02	2.90E-05	8.44E-06	9.38E-02	2.96E-05	8.61E-06	9.37E-02	2.96E-05	8.60E-06
5596	477369.42, 3849697.63	8.94E-02	2.82E-05	8.20E-06	9.12E-02	2.88E-05	8.37E-06	9.11E-02	2.87E-05	8.36E-06
5597	477452.07, 3849738.15	9.10E-02	2.87E-05	8.35E-06	9.28E-02	2.93E-05	8.52E-06	9.27E-02	2.93E-05	8.51E-06
5598	477534.71, 3849778.67	8.71E-02	2.75E-05	8.00E-06	8.89E-02	2.81E-05	8.16E-06	8.88E-02	2.80E-05	8.15E-06
5599	477617.36, 3849819.18	8.67E-02	2.74E-05	7.96E-06	8.84E-02	2.79E-05	8.12E-06	8.83E-02	2.79E-05	8.11E-06
5600	477824.74, 3849896.37	1.09E-01	3.44E-05	1.00E-05	1.11E-01	3.51E-05	1.02E-05	1.11E-01	3.51E-05	1.02E-05
5601	477906.31, 3849936.37	1.17E-01	3.69E-05	1.07E-05	1.19E-01	3.76E-05	1.09E-05	1.19E-01	3.76E-05	1.09E-05
5602	477987.89, 3849976.36	1.14E-01	3.58E-05	1.04E-05	1.16E-01	3.66E-05	1.06E-05	1.16E-01	3.65E-05	1.06E-05
5603	478069.47, 3850016.36	1.18E-01	3.73E-05	1.08E-05	1.20E-01	3.80E-05	1.11E-05	1.20E-01	3.80E-05	1.10E-05
5604	478151.04, 3850056.35	1.06E-01	3.33E-05	9.69E-06	1.08E-01	3.40E-05	9.88E-06	1.08E-01	3.39E-05	9.87E-06
5605	478232.62, 3850096.35	1.06E-01	3.35E-05	9.73E-06	1.08E-01	3.41E-05	9.93E-06	1.08E-01	3.41E-05	9.92E-06
5606	478314.2, 3850136.34	1.06E-01	3.34E-05	9.71E-06	1.08E-01	3.41E-05	9.90E-06	1.08E-01	3.40E-05	9.89E-06
5607	478395.77, 3850176.34	1.05E-01	3.32E-05	9.64E-06	1.07E-01	3.38E-05	9.84E-06	1.07E-01	3.38E-05	9.83E-06
5608	478575.43, 3850244.45	9.63E-02	3.04E-05	8.84E-06	9.83E-02	3.10E-05	9.02E-06	9.81E-02	3.10E-05	9.01E-06
5609	478665.06, 3850287.29	9.56E-02	3.02E-05	8.78E-06	9.76E-02	3.08E-05	8.96E-06	9.75E-02	3.08E-05	8.95E-06
5610	478754.69, 3850330.14	9.47E-02	2.99E-05	8.69E-06	9.66E-02	3.05E-05	8.87E-06	9.65E-02	3.05E-05	8.86E-06
5611	478844.32, 3850372.99	9.25E-02	2.92E-05	8.50E-06	9.44E-02	2.98E-05	8.67E-06	9.43E-02	2.98E-05	8.66E-06
5612	478933.95, 3850415.84	8.95E-02	2.82E-05	8.21E-06	9.13E-02	2.88E-05	8.38E-06	9.12E-02	2.88E-05	8.37E-06
5613	479023.58, 3850458.68	9.27E-02	2.93E-05	8.51E-06	9.46E-02	2.99E-05	8.69E-06	9.45E-02	2.98E-05	8.68E-06
5614	479110.66, 3850441.91	5.87E-02	1.85E-05	5.39E-06	5.99E-02	1.89E-05	5.50E-06	5.98E-02	1.89E-05	5.49E-06
5615	479191.22, 3850423.99	4.47E-02	1.41E-05	4.10E-06	4.56E-02	1.44E-05	4.19E-06	4.56E-02	1.44E-05	4.18E-06
5616	479274.32, 3850465.71	4.54E-02	1.43E-05	4.17E-06	4.64E-02	1.46E-05	4.26E-06	4.63E-02	1.46E-05	4.25E-06
5617	479357.43, 3850507.42	4.64E-02	1.46E-05	4.26E-06	4.73E-02	1.49E-05	4.34E-06	4.73E-02	1.49E-05	4.34E-06
5618	479440.53, 3850549.14	4.66E-02	1.47E-05	4.28E-06	4.76E-02	1.50E-05	4.37E-06	4.75E-02	1.50E-05	4.36E-06
5619	479523.64, 3850590.85	4.67E-02	1.47E-05	4.29E-06	4.77E-02	1.50E-05	4.38E-06	4.76E-02	1.50E-05	4.37E-06
5620	479606.74, 3850632.57	4.71E-02	1.49E-05	4.32E-06	4.80E-02	1.52E-05	4.41E-06	4.80E-02	1.51E-05	4.41E-06
5621	479777.37, 3850707.61	4.53E-02	1.43E-05	4.16E-06	4.63E-02	1.46E-05	4.25E-06	4.62E-02	1.46E-05	4.24E-06
5622	479864.9, 3850740.95	4.38E-02	1.38E-05	4.02E-06	4.47E-02	1.41E-05	4.10E-06	4.46E-02	1.41E-05	4.10E-06
5623	479931.87, 3850829.57	5.72E-02	1.80E-05	5.25E-06	5.83E-02	1.84E-05	5.36E-06	5.83E-02	1.84E-05	5.35E-06
5624	479995.55, 3850926.75	9.13E-02	2.88E-05	8.38E-06	9.32E-02	2.94E-05	8.55E-06	9.30E-02	2.94E-05	8.54E-06
5625	480079.78, 3850968.64	9.11E-02	2.88E-05	8.37E-06	9.30E-02	2.93E-05	8.54E-06	9.29E-02	2.93E-05	8.53E-06
5626	480164.01, 3851010.54	9.07E-02	2.86E-05	8.33E-06	9.26E-02	2.92E-05	8.50E-06	9.25E-02	2.92E-05	8.49E-06
5627	480248.23, 3851052.43	8.98E-02	2.83E-05	8.24E-06	9.16E-02	2.89E-05	8.41E-06	9.15E-02	2.89E-05	8.40E-06
5628	480332.46, 3851094.33	9.09E-02	2.87E-05	8.34E-06	9.27E-02	2.93E-05	8.51E-06	9.26E-02	2.92E-05	8.50E-06
5629	480416.69, 3851136.22	9.55E-02	3.02E-05	8.77E-06	9.75E-02	3.08E-05	8.95E-06	9.74E-02	3.07E-05	8.94E-06
5630	480579.95, 3851215.17	9.76E-02	3.08E-05	8.96E-06	9.95E-02	3.14E-05	9.14E-06	9.94E-02	3.14E-05	9.13E-06
5631	480658.98, 3851252.22	9.66E-02	3.05E-05	8.87E-06	9.85E-02	3.11E-05	9.05E-06	9.84E-02	3.11E-05	9.04E-06
5632	480817.36, 3851327.85	9.54E-02	3.01E-05	8.76E-06	9.74E-02	3.07E-05	8.94E-06	9.73E-02	3.07E-05	8.93E-06
5633	480896.72, 3851366.43	9.59E-02	3.03E-05	8.81E-06	9.79E-02	3.09E-05	8.99E-06	9.78E-02	3.09E-05	8.98E-06
5634	480976.07, 3851405	9.57E-02	3.02E-05	8.79E-06	9.77E-02	3.08E-05	8.97E-06	9.76E-02	3.08E-05	8.96E-06
5635	481178, 3851487.31	7.20E-02	2.27E-05	6.61E-06	7.34E-02	2.32E-05	6.74E-06	7.33E-02	2.31E-05	6.73E-06
5636	481244.9, 3851557.17	7.96E-02	2.51E-05	7.31E-06	8.13E-02	2.56E-05	7.46E-06	8.12E-02	2.56E-05	7.45E-06
5637	481311.81, 3851627.03	8.82E-02	2.78E-05	8.10E-06	9.00E-02	2.84E-05	8.27E-06	8.99E-02	2.84E-05	8.26E-06
5638	481378.71, 3851696.89	8.99E-02	2.84E-05	8.25E-06	9.18E-02	2.90E-05	8.42E-06	9.16E-02	2.89E-05	8.41E-06

5639	481445.61, 3851766.76	9.40E-02	2.97E-05	8.63E-06	9.59E-02	3.03E-05	8.81E-06	9.58E-02	3.02E-05	8.80E-06
5640	481512.51, 3851836.62	9.45E-02	2.98E-05	8.68E-06	9.64E-02	3.04E-05	8.85E-06	9.63E-02	3.04E-05	8.84E-06
5641	481579.42, 3851906.48	9.35E-02	2.95E-05	8.58E-06	9.54E-02	3.01E-05	8.76E-06	9.53E-02	3.01E-05	8.75E-06
5642	481646.32, 3851976.34	9.34E-02	2.95E-05	8.58E-06	9.53E-02	3.01E-05	8.75E-06	9.52E-02	3.01E-05	8.74E-06
5643	481713.22, 3852046.2	9.27E-02	2.93E-05	8.51E-06	9.46E-02	2.99E-05	8.69E-06	9.45E-02	2.98E-05	8.68E-06
5644	481780.12, 3852116.06	9.31E-02	2.94E-05	8.54E-06	9.50E-02	3.00E-05	8.72E-06	9.49E-02	2.99E-05	8.71E-06
5645	481847.03, 3852185.92	9.31E-02	2.94E-05	8.55E-06	9.50E-02	3.00E-05	8.72E-06	9.49E-02	3.00E-05	8.71E-06
5646	481913.93, 3852255.78	9.25E-02	2.92E-05	8.50E-06	9.44E-02	2.98E-05	8.67E-06	9.43E-02	2.98E-05	8.66E-06
5647	481980.83, 3852325.65	8.78E-02	2.77E-05	8.06E-06	8.96E-02	2.83E-05	8.22E-06	8.95E-02	2.82E-05	8.21E-06
5648	482047.73, 3852395.51	8.95E-02	2.82E-05	8.21E-06	9.13E-02	2.88E-05	8.38E-06	9.12E-02	2.88E-05	8.37E-06
5649	482114.64, 3852465.37	8.61E-02	2.72E-05	7.90E-06	8.79E-02	2.77E-05	8.07E-06	8.78E-02	2.77E-05	8.06E-06
5650	482181.54, 3852535.23	8.92E-02	2.82E-05	8.19E-06	9.10E-02	2.87E-05	8.36E-06	9.09E-02	2.87E-05	8.35E-06
5651	482338.69, 3852700.05	9.07E-02	2.86E-05	8.33E-06	9.26E-02	2.92E-05	8.50E-06	9.25E-02	2.92E-05	8.49E-06
5652	482404.05, 3852767.78	9.02E-02	2.85E-05	8.28E-06	9.20E-02	2.90E-05	8.45E-06	9.19E-02	2.90E-05	8.44E-06
5653	482469.4, 3852835.52	9.12E-02	2.88E-05	8.37E-06	9.31E-02	2.94E-05	8.54E-06	9.29E-02	2.93E-05	8.53E-06
5654	482534.75, 3852903.25	9.05E-02	2.86E-05	8.31E-06	9.23E-02	2.91E-05	8.48E-06	9.22E-02	2.91E-05	8.47E-06
5655	482600.11, 3852970.99	8.41E-02	2.65E-05	7.72E-06	8.58E-02	2.71E-05	7.88E-06	8.57E-02	2.71E-05	7.87E-06
5656	482706.71, 3853119.28	7.85E-02	2.48E-05	7.21E-06	8.02E-02	2.53E-05	7.36E-06	8.01E-02	2.53E-05	7.35E-06
5657	482747.96, 3853199.84	7.95E-02	2.51E-05	7.30E-06	8.11E-02	2.56E-05	7.45E-06	8.10E-02	2.56E-05	7.44E-06
5658	482789.21, 3853280.4	7.36E-02	2.32E-05	6.75E-06	7.51E-02	2.37E-05	6.89E-06	7.50E-02	2.37E-05	6.88E-06
5659	482830.46, 3853360.96	6.63E-02	2.09E-05	6.09E-06	6.77E-02	2.14E-05	6.21E-06	6.76E-02	2.13E-05	6.21E-06
5660	482871.71, 3853441.52	5.54E-02	1.75E-05	5.08E-06	5.65E-02	1.78E-05	5.19E-06	5.64E-02	1.78E-05	5.18E-06
5661	482912.95, 3853522.07	1.54E-02	4.86E-06	1.41E-06	1.57E-02	4.96E-06	1.44E-06	1.57E-02	4.95E-06	1.44E-06
5662	482954.2, 3853602.63	7.93E-03	2.50E-06	7.28E-07	8.09E-03	2.55E-06	7.43E-07	8.08E-03	2.55E-06	7.42E-07
5663	482995.45, 3853683.19	5.71E-03	1.80E-06	5.24E-07	5.82E-03	1.84E-06	5.35E-07	5.82E-03	1.84E-06	5.34E-07
5664	483036.7, 3853763.75	4.56E-03	1.44E-06	4.19E-07	4.65E-03	1.47E-06	4.27E-07	4.65E-03	1.47E-06	4.27E-07
5665	483214.2, 3853909.91	3.31E-03	1.04E-06	3.04E-07	3.37E-03	1.06E-06	3.10E-07	3.37E-03	1.06E-06	3.09E-07
5666	483307.01, 3853910.44	3.35E-03	1.06E-06	3.08E-07	3.42E-03	1.08E-06	3.14E-07	3.42E-03	1.08E-06	3.14E-07
5667	483399.83, 3853910.96	3.34E-03	1.05E-06	3.06E-07	3.41E-03	1.08E-06	3.13E-07	3.40E-03	1.07E-06	3.12E-07
5668	483494.52, 3854009.24	2.93E-03	9.26E-07	2.69E-07	2.99E-03	9.45E-07	2.75E-07	2.99E-03	9.44E-07	2.75E-07
5669	483496.41, 3854106.98	2.63E-03	8.29E-07	2.41E-07	2.68E-03	8.46E-07	2.46E-07	2.68E-03	8.45E-07	2.46E-07
5670	483577.56, 3854261.96	2.19E-03	6.90E-07	2.01E-07	2.23E-03	7.04E-07	2.05E-07	2.23E-03	7.03E-07	2.05E-07
5671	483656.83, 3854319.19	2.04E-03	6.43E-07	1.87E-07	2.08E-03	6.56E-07	1.91E-07	2.08E-03	6.55E-07	1.91E-07
5672	483736.1, 3854376.41	1.90E-03	5.99E-07	1.74E-07	1.94E-03	6.11E-07	1.78E-07	1.93E-03	6.10E-07	1.77E-07
5673	483815.37, 3854433.64	1.77E-03	5.59E-07	1.62E-07	1.81E-03	5.70E-07	1.66E-07	1.80E-03	5.69E-07	1.66E-07
5674	483894.63, 3854490.87	1.65E-03	5.20E-07	1.51E-07	1.68E-03	5.31E-07	1.54E-07	1.68E-03	5.30E-07	1.54E-07
5675	483973.9, 3854548.1	1.54E-03	4.86E-07	1.41E-07	1.57E-03	4.96E-07	1.44E-07	1.57E-03	4.95E-07	1.44E-07
5676	484053.17, 3854605.32	1.46E-03	4.61E-07	1.34E-07	1.49E-03	4.71E-07	1.37E-07	1.49E-03	4.70E-07	1.37E-07
5677	484214.97, 3854698.15	1.37E-03	4.33E-07	1.26E-07	1.40E-03	4.42E-07	1.29E-07	1.40E-03	4.42E-07	1.28E-07
5678	484297.5, 3854733.74	1.38E-03	4.35E-07	1.26E-07	1.41E-03	4.44E-07	1.29E-07	1.40E-03	4.43E-07	1.29E-07
5679	484380.03, 3854769.34	1.36E-03	4.28E-07	1.25E-07	1.38E-03	4.37E-07	1.27E-07	1.38E-03	4.36E-07	1.27E-07
5680	484462.56, 3854804.94	1.36E-03	4.28E-07	1.25E-07	1.38E-03	4.37E-07	1.27E-07	1.38E-03	4.36E-07	1.27E-07
5681	484545.09, 3854840.53	1.33E-03	4.20E-07	1.22E-07	1.36E-03	4.28E-07	1.25E-07	1.36E-03	4.28E-07	1.24E-07
5682	484691.88, 3854912.59	1.33E-03	4.19E-07	1.22E-07	1.36E-03	4.28E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
5683	484830.81, 3855012.51	1.30E-03	4.10E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.32E-03	4.18E-07	1.22E-07
5684	484905.48, 3855075.97	1.29E-03	4.08E-07	1.19E-07	1.32E-03	4.16E-07	1.21E-07	1.32E-03	4.15E-07	1.21E-07
5685	484980.14, 3855139.44	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
5686	485054.81, 3855202.91	1.24E-03	3.92E-07	1.14E-07	1.27E-03	4.00E-07	1.16E-07	1.27E-03	4.00E-07	1.16E-07
5687	485129.48, 3855266.37	1.21E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.88E-07	1.13E-07
5688	485204.15, 3855329.84	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
5689	485278.82, 3855393.31	1.16E-03	3.67E-07	1.07E-07	1.19E-03	3.74E-07	1.09E-07	1.18E-03	3.74E-07	1.09E-07
5690	485353.48, 3855456.77	1.14E-03	3.60E-07	1.05E-07	1.17E-03	3.68E-07	1.07E-07	1.16E-03	3.67E-07	1.07E-07
5691	485428.15, 3855520.24	1.12E-03	3.53E-07	1.03E-07	1.14E-03	3.60E-07	1.05E-07	1.14E-03	3.60E-07	1.05E-07
5692	485502.82, 3855583.71	1.10E-03	3.46E-07	1.01E-07	1.12E-03	3.53E-07	1.03E-07	1.12E-03	3.53E-07	1.03E-07
5693	485577.49, 3855647.17	1.08E-03	3.41E-07	9.93E-08	1.10E-03	3.48E-07	1.01E-07	1.10E-03	3.48E-07	1.01E-07
5694	485652.16, 3855710.64	1.07E-03	3.37E-07	9.79E-08	1.09E-03	3.44E-07	9.99E-08	1.09E-03	3.43E-07	9.98E-08
5695	485726.83, 3855774.11	1.05E-03	3.31E-07	9.63E-08	1.07E-03	3.38E-07	9.82E-08	1.07E-03	3.37E-07	9.81E-08
5696	485801.49, 3855837.57	1.03E-03	3.25E-07	9.45E-08	1.05E-03	3.32E-07	9.65E-08	1.05E-03	3.31E-07	9.64E-08
5697	485876.16, 3855901.04	1.01E-03	3.20E-07	9.31E-08	1.03E-03	3.27E-07	9.50E-08	1.03E-03	3.26E-07	9.49E-08
5698	485950.83, 3855964.5	9.98E-04	3.15E-07	9.16E-08	1.02E-03	3.21E-07	9.35E-08	1.02E-03	3.21E-07	9.34E-08
5699	486025.5, 3856027.97	9.80E-04	3.09E-07	9.00E-08	1.00E-03	3.16E-07	9.18E-08	9.99E-04	3.15E-07	9.17E-08
5700	486100.17, 3856091.44	9.74E-04	3.07E-07	8.94E-08	9.93E-04	3.14E-07	9.12E-08	9.92E-04	3.13E-07	9.11E-08

5701	486174.83, 3856154.9	9.57E-04	3.02E-07	8.78E-08	9.76E-04	3.08E-07	8.96E-08	9.75E-04	3.08E-07	8.95E-08
5702	486249.5, 3856218.37	9.33E-04	2.94E-07	8.56E-08	9.52E-04	3.00E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
5703	486324.17, 3856281.84	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5704	486398.84, 3856345.3	9.04E-04	2.85E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
5705	486473.51, 3856408.77	8.95E-04	2.82E-07	8.22E-08	9.13E-04	2.88E-07	8.38E-08	9.12E-04	2.88E-07	8.37E-08
5706	486548.17, 3856472.24	8.91E-04	2.81E-07	8.18E-08	9.10E-04	2.87E-07	8.35E-08	9.08E-04	2.87E-07	8.34E-08
5707	486622.84, 3856535.7	8.89E-04	2.81E-07	8.16E-08	9.07E-04	2.86E-07	8.33E-08	9.06E-04	2.86E-07	8.32E-08
5708	486765.48, 3856659.69	8.92E-04	2.81E-07	8.19E-08	9.10E-04	2.87E-07	8.35E-08	9.09E-04	2.87E-07	8.34E-08
5709	486833.44, 3856720.2	8.93E-04	2.82E-07	8.19E-08	9.11E-04	2.87E-07	8.36E-08	9.10E-04	2.87E-07	8.35E-08
5710	486901.41, 3856780.72	8.96E-04	2.83E-07	8.23E-08	9.15E-04	2.89E-07	8.40E-08	9.14E-04	2.88E-07	8.39E-08
5711	486969.38, 3856841.24	9.00E-04	2.84E-07	8.26E-08	9.18E-04	2.90E-07	8.43E-08	9.17E-04	2.89E-07	8.42E-08
5712	487037.34, 3856901.75	9.05E-04	2.86E-07	8.30E-08	9.23E-04	2.91E-07	8.47E-08	9.22E-04	2.91E-07	8.46E-08
5713	487271.23, 3856855.51	9.06E-04	2.86E-07	8.32E-08	9.24E-04	2.92E-07	8.49E-08	9.23E-04	2.91E-07	8.48E-08
5714	487368.96, 3856857.29	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.20E-04	2.91E-07	8.45E-08
5715	487466.68, 3856859.06	9.03E-04	2.85E-07	8.29E-08	9.22E-04	2.91E-07	8.46E-08	9.20E-04	2.91E-07	8.45E-08
5716	487636.44, 3856930	9.10E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5717	487709.57, 3856928.43	9.14E-04	2.88E-07	8.39E-08	9.33E-04	2.94E-07	8.56E-08	9.32E-04	2.94E-07	8.55E-08
5718	487782.55, 3856841.96	9.11E-04	2.87E-07	8.36E-08	9.29E-04	2.93E-07	8.53E-08	9.28E-04	2.93E-07	8.52E-08
5719	487849.83, 3856754.74	9.08E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
5720	487918.03, 3856819.39	9.17E-04	2.89E-07	8.42E-08	9.35E-04	2.95E-07	8.59E-08	9.34E-04	2.95E-07	8.58E-08
5721	487918.8, 3856886.37	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
5722	488065.47, 3857127.51	9.53E-04	3.01E-07	8.75E-08	9.72E-04	3.07E-07	8.93E-08	9.71E-04	3.07E-07	8.92E-08
5723	488192.19, 3857385.84	1.02E-03	3.23E-07	9.39E-08	1.04E-03	3.29E-07	9.58E-08	1.04E-03	3.29E-07	9.57E-08
5724	488191.22, 3857473.87	1.06E-03	3.33E-07	9.69E-08	1.08E-03	3.40E-07	9.89E-08	1.08E-03	3.40E-07	9.88E-08
5725	488190.24, 3857561.91	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.12E-03	3.52E-07	1.02E-07
5726	488158.35, 3857691.13	1.16E-03	3.65E-07	1.06E-07	1.18E-03	3.72E-07	1.08E-07	1.18E-03	3.72E-07	1.08E-07
5727	488208.37, 3857816.66	1.24E-03	3.91E-07	1.14E-07	1.26E-03	3.99E-07	1.16E-07	1.26E-03	3.98E-07	1.16E-07
5728	488271.97, 3857874.6	1.29E-03	4.07E-07	1.18E-07	1.31E-03	4.15E-07	1.21E-07	1.31E-03	4.14E-07	1.21E-07
5729	488463.56, 3857942.31	1.39E-03	4.39E-07	1.28E-07	1.42E-03	4.48E-07	1.30E-07	1.42E-03	4.48E-07	1.30E-07
5730	488554.83, 3857940.83	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.43E-03	4.50E-07	1.31E-07
5731	488646.1, 3857939.36	1.41E-03	4.44E-07	1.29E-07	1.43E-03	4.53E-07	1.32E-07	1.43E-03	4.52E-07	1.32E-07
5732	488737.37, 3857937.88	1.42E-03	4.47E-07	1.30E-07	1.44E-03	4.56E-07	1.33E-07	1.44E-03	4.55E-07	1.32E-07
5733	488733.59, 3857960.57	1.44E-03	4.54E-07	1.32E-07	1.47E-03	4.63E-07	1.35E-07	1.46E-03	4.62E-07	1.34E-07
5734	488638.09, 3857961.57	1.43E-03	4.50E-07	1.31E-07	1.46E-03	4.60E-07	1.34E-07	1.45E-03	4.59E-07	1.34E-07
5735	488542.6, 3857962.56	1.42E-03	4.49E-07	1.31E-07	1.45E-03	4.58E-07	1.33E-07	1.45E-03	4.58E-07	1.33E-07
5736	488447.1, 3857963.56	1.41E-03	4.46E-07	1.30E-07	1.44E-03	4.55E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
5737	488254.28, 3857890.36	1.30E-03	4.10E-07	1.19E-07	1.33E-03	4.19E-07	1.22E-07	1.33E-03	4.18E-07	1.22E-07
5738	488191.69, 3857833.06	1.25E-03	3.93E-07	1.14E-07	1.27E-03	4.01E-07	1.17E-07	1.27E-03	4.01E-07	1.17E-07
5739	488129.5, 3857907.43	1.29E-03	4.07E-07	1.19E-07	1.32E-03	4.16E-07	1.21E-07	1.32E-03	4.15E-07	1.21E-07
5740	488196.47, 3857968.74	1.36E-03	4.28E-07	1.24E-07	1.38E-03	4.37E-07	1.27E-07	1.38E-03	4.36E-07	1.27E-07
5741	488263.44, 3858030.04	1.43E-03	4.52E-07	1.31E-07	1.46E-03	4.61E-07	1.34E-07	1.46E-03	4.60E-07	1.34E-07
5742	488400.64, 3858132.9	1.60E-03	5.04E-07	1.47E-07	1.63E-03	5.15E-07	1.50E-07	1.63E-03	5.14E-07	1.50E-07
5743	488519.89, 3858218.38	1.80E-03	5.67E-07	1.65E-07	1.83E-03	5.78E-07	1.68E-07	1.83E-03	5.77E-07	1.68E-07
5744	488647.97, 3858214.99	1.80E-03	5.68E-07	1.65E-07	1.84E-03	5.80E-07	1.69E-07	1.84E-03	5.79E-07	1.68E-07
5745	488727.05, 3858167.67	1.72E-03	5.43E-07	1.58E-07	1.76E-03	5.55E-07	1.61E-07	1.76E-03	5.54E-07	1.61E-07
5746	488806.12, 3858120.35	1.65E-03	5.21E-07	1.52E-07	1.69E-03	5.32E-07	1.55E-07	1.68E-03	5.31E-07	1.55E-07
5747	488885.2, 3858073.03	1.58E-03	5.00E-07	1.45E-07	1.62E-03	5.10E-07	1.48E-07	1.61E-03	5.09E-07	1.48E-07
5748	489055.76, 3857991.18	1.46E-03	4.62E-07	1.34E-07	1.49E-03	4.72E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
5749	489245.39, 3857944.55	1.34E-03	4.24E-07	1.23E-07	1.37E-03	4.32E-07	1.26E-07	1.37E-03	4.32E-07	1.26E-07
5750	489430.63, 3857930.91	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.19E-07
5751	489517.74, 3857929.36	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.28E-03	4.02E-07	1.17E-07
5752	489604.86, 3857927.82	1.23E-03	3.88E-07	1.13E-07	1.25E-03	3.96E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
5753	489691.97, 3857926.28	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
5754	489779.08, 3857924.73	1.20E-03	3.80E-07	1.11E-07	1.23E-03	3.88E-07	1.13E-07	1.23E-03	3.87E-07	1.13E-07
5755	490017.55, 3857875.09	1.13E-03	3.58E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.15E-03	3.64E-07	1.06E-07
5756	490033.82, 3857960.81	1.22E-03	3.85E-07	1.12E-07	1.24E-03	3.93E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
5757	489959.15, 3857987.49	1.27E-03	3.99E-07	1.16E-07	1.29E-03	4.07E-07	1.19E-07	1.29E-03	4.07E-07	1.18E-07
5758	489791.49, 3858016.12	1.29E-03	4.09E-07	1.19E-07	1.32E-03	4.17E-07	1.21E-07	1.32E-03	4.16E-07	1.21E-07
5759	489698.51, 3858018.07	1.31E-03	4.14E-07	1.21E-07	1.34E-03	4.23E-07	1.23E-07	1.34E-03	4.22E-07	1.23E-07
5760	489605.52, 3858020.02	1.33E-03	4.21E-07	1.22E-07	1.36E-03	4.30E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
5761	489512.53, 3858021.96	1.36E-03	4.29E-07	1.25E-07	1.39E-03	4.38E-07	1.27E-07	1.39E-03	4.37E-07	1.27E-07
5762	489419.55, 3858023.91	1.39E-03	4.40E-07	1.28E-07	1.42E-03	4.49E-07	1.31E-07	1.42E-03	4.49E-07	1.30E-07

5763	489228.47, 3858041.29	1.45E-03	4.58E-07	1.33E-07	1.48E-03	4.67E-07	1.36E-07	1.48E-03	4.66E-07	1.36E-07
5764	489065.75, 3858085.78	1.58E-03	4.97E-07	1.45E-07	1.61E-03	5.07E-07	1.48E-07	1.61E-03	5.07E-07	1.47E-07
5765	489001.12, 3858114.86	1.63E-03	5.16E-07	1.50E-07	1.67E-03	5.26E-07	1.53E-07	1.67E-03	5.26E-07	1.53E-07
5766	488861.89, 3858189.81	1.76E-03	5.57E-07	1.62E-07	1.80E-03	5.68E-07	1.65E-07	1.80E-03	5.68E-07	1.65E-07
5767	488787.29, 3858235.69	1.86E-03	5.87E-07	1.71E-07	1.90E-03	5.99E-07	1.74E-07	1.89E-03	5.98E-07	1.74E-07
5768	488712.68, 3858281.57	1.95E-03	6.15E-07	1.79E-07	1.99E-03	6.27E-07	1.82E-07	1.99E-03	6.27E-07	1.82E-07
5769	488654.39, 3858436.17	2.41E-03	7.60E-07	2.21E-07	2.46E-03	7.75E-07	2.26E-07	2.45E-03	7.74E-07	2.25E-07
5770	488726.31, 3858505.26	2.74E-03	8.65E-07	2.52E-07	2.80E-03	8.83E-07	2.57E-07	2.79E-03	8.82E-07	2.56E-07
5771	488880.6, 3858599.28	3.45E-03	1.09E-06	3.17E-07	3.52E-03	1.11E-06	3.24E-07	3.52E-03	1.11E-06	3.23E-07
5772	489008.06, 3858714.75	5.06E-03	1.60E-06	4.65E-07	5.16E-03	1.63E-06	4.74E-07	5.16E-03	1.63E-06	4.74E-07
5773	489071.48, 3858772.72	7.34E-03	2.32E-06	6.74E-07	7.49E-03	2.36E-06	6.87E-07	7.48E-03	2.36E-06	6.86E-07
5774	489244.6, 3858920.2	2.42E-02	7.63E-06	2.22E-06	2.47E-02	7.79E-06	2.27E-06	2.47E-02	7.78E-06	2.26E-06
5775	489239.69, 3858952.23	3.07E-02	9.70E-06	2.82E-06	3.13E-02	9.89E-06	2.88E-06	3.13E-02	9.88E-06	2.87E-06
5776	489121.67, 3858854.49	1.68E-02	5.29E-06	1.54E-06	1.71E-02	5.39E-06	1.57E-06	1.71E-02	5.39E-06	1.57E-06
5777	489059.59, 3858797.27	9.00E-03	2.84E-06	8.26E-07	9.19E-03	2.90E-06	8.43E-07	9.18E-03	2.90E-06	8.42E-07
5778	488997.52, 3858740.04	5.69E-03	1.80E-06	5.22E-07	5.81E-03	1.83E-06	5.33E-07	5.80E-03	1.83E-06	5.32E-07
5779	488935.44, 3858682.82	4.44E-03	1.40E-06	4.07E-07	4.53E-03	1.43E-06	4.16E-07	4.52E-03	1.43E-06	4.15E-07
5780	488869.17, 3858848.43	1.35E-02	4.27E-06	1.24E-06	1.38E-02	4.36E-06	1.27E-06	1.38E-02	4.35E-06	1.27E-06
5781	488932.48, 3858892.69	4.67E-02	1.47E-05	4.28E-06	4.76E-02	1.50E-05	4.37E-06	4.76E-02	1.50E-05	4.37E-06
5782	489063.27, 3858977.17	7.95E-02	2.51E-05	7.29E-06	8.11E-02	2.56E-05	7.44E-06	8.10E-02	2.56E-05	7.43E-06
5783	489248.2, 3859117.15	9.59E-02	3.03E-05	8.80E-06	9.79E-02	3.09E-05	8.98E-06	9.77E-02	3.09E-05	8.97E-06
5784	489296.25, 3859049.22	4.94E-02	1.56E-05	4.54E-06	5.04E-02	1.59E-05	4.63E-06	5.04E-02	1.59E-05	4.62E-06
5785	489353.38, 3858993.97	2.99E-02	9.45E-06	2.75E-06	3.06E-02	9.64E-06	2.80E-06	3.05E-02	9.63E-06	2.80E-06
5786	489537.25, 3859120.22	3.69E-02	1.17E-05	3.39E-06	3.77E-02	1.19E-05	3.46E-06	3.77E-02	1.19E-05	3.46E-06
5787	489726.98, 3859246.04	4.38E-02	1.38E-05	4.02E-06	4.47E-02	1.41E-05	4.10E-06	4.46E-02	1.41E-05	4.10E-06
5788	489911.46, 3859366.33	4.97E-02	1.57E-05	4.57E-06	5.08E-02	1.60E-05	4.66E-06	5.07E-02	1.60E-05	4.65E-06
5789	490035.3, 3859430.26	5.00E-02	1.58E-05	4.59E-06	5.10E-02	1.61E-05	4.68E-06	5.09E-02	1.61E-05	4.67E-06
5790	490101.11, 3859458.61	4.87E-02	1.54E-05	4.47E-06	4.97E-02	1.57E-05	4.56E-06	4.96E-02	1.57E-05	4.56E-06
5791	490312.68, 3859560.3	5.23E-02	1.65E-05	4.80E-06	5.34E-02	1.69E-05	4.90E-06	5.33E-02	1.68E-05	4.90E-06
5792	490401.63, 3859603.12	5.55E-02	1.75E-05	5.10E-06	5.67E-02	1.79E-05	5.20E-06	5.66E-02	1.79E-05	5.20E-06
5793	490490.57, 3859645.94	5.89E-02	1.86E-05	5.41E-06	6.01E-02	1.90E-05	5.52E-06	6.01E-02	1.90E-05	5.51E-06
5794	490579.51, 3859688.76	6.23E-02	1.97E-05	5.72E-06	6.36E-02	2.01E-05	5.84E-06	6.35E-02	2.00E-05	5.83E-06
5795	490668.45, 3859731.58	6.42E-02	2.03E-05	5.89E-06	6.55E-02	2.07E-05	6.01E-06	6.54E-02	2.06E-05	6.01E-06
5796	490757.4, 3859774.4	7.01E-02	2.21E-05	6.43E-06	7.15E-02	2.26E-05	6.56E-06	7.14E-02	2.25E-05	6.56E-06
5797	491003.53, 3859861.82	6.31E-02	1.99E-05	5.80E-06	6.44E-02	2.03E-05	5.92E-06	6.44E-02	2.03E-05	5.91E-06
5798	491081.41, 3859879.05	5.63E-02	1.78E-05	5.17E-06	5.75E-02	1.81E-05	5.28E-06	5.74E-02	1.81E-05	5.27E-06
5799	491229.76, 3859917.82	4.54E-02	1.43E-05	4.17E-06	4.64E-02	1.46E-05	4.26E-06	4.63E-02	1.46E-05	4.25E-06
5800	491300.22, 3859939.35	4.10E-02	1.29E-05	3.76E-06	4.18E-02	1.32E-05	3.84E-06	4.18E-02	1.32E-05	3.83E-06
5801	491350.49, 3860012.03	4.55E-02	1.44E-05	4.18E-06	4.64E-02	1.47E-05	4.26E-06	4.64E-02	1.46E-05	4.26E-06
5802	491406.82, 3860092.57	5.13E-02	1.62E-05	4.71E-06	5.23E-02	1.65E-05	4.80E-06	5.23E-02	1.65E-05	4.80E-06
5803	491483.37, 3860121.96	4.57E-02	1.44E-05	4.19E-06	4.66E-02	1.47E-05	4.28E-06	4.66E-02	1.47E-05	4.27E-06
5804	491559.91, 3860151.36	4.11E-02	1.30E-05	3.77E-06	4.19E-02	1.32E-05	3.85E-06	4.18E-02	1.32E-05	3.84E-06
5805	491711.81, 3860237.76	2.83E-02	8.94E-06	2.60E-06	2.89E-02	9.12E-06	2.65E-06	2.89E-02	9.11E-06	2.65E-06
5806	491755.2, 3860319.07	4.09E-02	1.29E-05	3.75E-06	4.17E-02	1.32E-05	3.83E-06	4.17E-02	1.31E-05	3.82E-06
5807	491704.71, 3860366.54	5.85E-02	1.85E-05	5.37E-06	5.97E-02	1.88E-05	5.48E-06	5.96E-02	1.88E-05	5.47E-06
5808	491623.43, 3860462.39	3.46E-02	1.09E-05	3.18E-06	3.53E-02	1.11E-05	3.24E-06	3.53E-02	1.11E-05	3.24E-06
5809	491534.02, 3860439.85	1.98E-02	6.25E-06	1.82E-06	2.02E-02	6.37E-06	1.85E-06	2.02E-02	6.37E-06	1.85E-06
5810	491313.95, 3860268.18	2.68E-02	8.46E-06	2.46E-06	2.73E-02	8.63E-06	2.51E-06	2.73E-02	8.62E-06	2.51E-06
5811	491187.12, 3860143.56	3.73E-02	1.18E-05	3.42E-06	3.81E-02	1.20E-05	3.49E-06	3.80E-02	1.20E-05	3.49E-06
5812	491070.43, 3860075.97	3.46E-02	1.09E-05	3.18E-06	3.53E-02	1.11E-05	3.24E-06	3.53E-02	1.11E-05	3.24E-06
5813	490995.09, 3860039.39	3.24E-02	1.02E-05	2.98E-06	3.31E-02	1.04E-05	3.04E-06	3.31E-02	1.04E-05	3.03E-06
5814	490919.75, 3860002.8	3.26E-02	1.03E-05	2.99E-06	3.33E-02	1.05E-05	3.05E-06	3.32E-02	1.05E-05	3.05E-06
5815	490756.81, 3859894.53	5.60E-02	1.77E-05	5.14E-06	5.72E-02	1.80E-05	5.25E-06	5.71E-02	1.80E-05	5.24E-06
5816	490668.07, 3859860.92	5.36E-02	1.69E-05	4.92E-06	5.47E-02	1.73E-05	5.02E-06	5.46E-02	1.72E-05	5.01E-06
5817	490579.34, 3859827.3	5.35E-02	1.69E-05	4.91E-06	5.46E-02	1.72E-05	5.01E-06	5.45E-02	1.72E-05	5.01E-06
5818	490490.6, 3859793.68	5.09E-02	1.61E-05	4.68E-06	5.20E-02	1.64E-05	4.77E-06	5.19E-02	1.64E-05	4.77E-06
5819	490401.86, 3859760.07	4.92E-02	1.55E-05	4.51E-06	5.02E-02	1.58E-05	4.61E-06	5.01E-02	1.58E-05	4.60E-06
5820	490313.12, 3859726.45	4.88E-02	1.54E-05	4.48E-06	4.98E-02	1.57E-05	4.57E-06	4.97E-02	1.57E-05	4.56E-06
5821	490224.39, 3859692.83	4.81E-02	1.52E-05	4.41E-06	4.91E-02	1.55E-05	4.50E-06	4.90E-02	1.55E-05	4.50E-06
5822	490135.65, 3859659.22	4.70E-02	1.48E-05	4.32E-06	4.80E-02	1.52E-05	4.41E-06	4.80E-02	1.51E-05	4.40E-06
5823	489918.19, 3859559.23	4.60E-02	1.45E-05	4.22E-06	4.69E-02	1.48E-05	4.31E-06	4.69E-02	1.48E-05	4.30E-06
5824	489743.61, 3859486	3.58E-02	1.13E-05	3.29E-06	3.66E-02	1.15E-05	3.36E-06	3.65E-02	1.15E-05	3.35E-06

5825	489660.32, 3859440.27	3.55E-02	1.12E-05	3.26E-06	3.62E-02	1.14E-05	3.32E-06	3.62E-02	1.14E-05	3.32E-06
5826	489577.04, 3859394.53	3.53E-02	1.11E-05	3.24E-06	3.60E-02	1.14E-05	3.31E-06	3.60E-02	1.14E-05	3.30E-06
5827	489493.75, 3859348.8	3.49E-02	1.10E-05	3.20E-06	3.56E-02	1.12E-05	3.27E-06	3.55E-02	1.12E-05	3.26E-06
5828	489321.28, 3859240.02	3.96E-02	1.25E-05	3.64E-06	4.04E-02	1.28E-05	3.71E-06	4.04E-02	1.27E-05	3.71E-06
5829	489235.41, 3859193.96	3.86E-02	1.22E-05	3.54E-06	3.94E-02	1.24E-05	3.62E-06	3.93E-02	1.24E-05	3.61E-06
5830	489149.54, 3859147.89	3.39E-02	1.07E-05	3.12E-06	3.46E-02	1.09E-05	3.18E-06	3.46E-02	1.09E-05	3.18E-06
5831	489063.68, 3859101.82	3.10E-02	9.80E-06	2.85E-06	3.17E-02	1.00E-05	2.91E-06	3.16E-02	9.98E-06	2.90E-06
5832	488977.81, 3859055.75	2.78E-02	8.78E-06	2.55E-06	2.84E-02	8.96E-06	2.61E-06	2.84E-02	8.95E-06	2.60E-06
5833	488891.94, 3859009.69	2.27E-02	7.16E-06	2.08E-06	2.32E-02	7.31E-06	2.13E-06	2.31E-02	7.30E-06	2.12E-06
5834	488808, 3859060.73	1.17E-02	3.69E-06	1.07E-06	1.19E-02	3.77E-06	1.10E-06	1.19E-02	3.76E-06	1.09E-06
5835	488809.93, 3859157.85	9.13E-03	2.88E-06	8.38E-07	9.32E-03	2.94E-06	8.55E-07	9.31E-03	2.94E-06	8.54E-07
5836	488811.86, 3859254.96	7.51E-03	2.37E-06	6.89E-07	7.66E-03	2.42E-06	7.03E-07	7.65E-03	2.41E-06	7.02E-07
5837	488813.78, 3859352.07	6.38E-03	2.02E-06	5.86E-07	6.52E-03	2.06E-06	5.98E-07	6.51E-03	2.05E-06	5.97E-07
5838	488815.71, 3859449.19	5.59E-03	1.76E-06	5.13E-07	5.70E-03	1.80E-06	5.24E-07	5.70E-03	1.80E-06	5.23E-07
5839	488910.04, 3859547.11	5.49E-03	1.73E-06	5.04E-07	5.60E-03	1.77E-06	5.14E-07	5.59E-03	1.77E-06	5.13E-07
5840	489002.45, 3859547.91	6.12E-03	1.93E-06	5.62E-07	6.24E-03	1.97E-06	5.73E-07	6.24E-03	1.97E-06	5.73E-07
5841	489094.85, 3859548.72	6.89E-03	2.17E-06	6.32E-07	7.03E-03	2.22E-06	6.45E-07	7.02E-03	2.22E-06	6.44E-07
5842	489230.05, 3859601.87	7.41E-03	2.34E-06	6.80E-07	7.56E-03	2.39E-06	6.94E-07	7.55E-03	2.38E-06	6.94E-07
5843	489227.52, 3859680.89	6.45E-03	2.03E-06	5.92E-07	6.58E-03	2.08E-06	6.04E-07	6.57E-03	2.07E-06	6.03E-07
5844	489133.47, 3859760.29	5.22E-03	1.65E-06	4.79E-07	5.33E-03	1.68E-06	4.89E-07	5.32E-03	1.68E-06	4.88E-07
5845	489041.96, 3859760.67	4.79E-03	1.51E-06	4.40E-07	4.89E-03	1.54E-06	4.49E-07	4.88E-03	1.54E-06	4.48E-07
5846	488950.45, 3859761.05	4.41E-03	1.39E-06	4.04E-07	4.50E-03	1.42E-06	4.13E-07	4.49E-03	1.42E-06	4.12E-07
5847	488858.94, 3859761.43	4.07E-03	1.29E-06	3.74E-07	4.16E-03	1.31E-06	3.82E-07	4.15E-03	1.31E-06	3.81E-07
5848	488767.43, 3859761.82	3.74E-03	1.18E-06	3.44E-07	3.82E-03	1.21E-06	3.51E-07	3.82E-03	1.20E-06	3.50E-07
5849	488675.92, 3859762.2	3.46E-03	1.09E-06	3.18E-07	3.54E-03	1.12E-06	3.25E-07	3.53E-03	1.11E-06	3.24E-07
5850	488584.41, 3859762.58	3.19E-03	1.01E-06	2.93E-07	3.26E-03	1.03E-06	2.99E-07	3.26E-03	1.03E-06	2.99E-07
5851	488492.9, 3859762.96	2.96E-03	9.34E-07	2.72E-07	3.02E-03	9.53E-07	2.77E-07	3.02E-03	9.52E-07	2.77E-07
5852	488402.76, 3859830.95	2.64E-03	8.35E-07	2.43E-07	2.70E-03	8.52E-07	2.48E-07	2.70E-03	8.51E-07	2.47E-07
5853	488404.14, 3859898.55	2.53E-03	7.99E-07	2.32E-07	2.58E-03	8.15E-07	2.37E-07	2.58E-03	8.14E-07	2.37E-07
5854	488505.18, 3859964.96	2.61E-03	8.23E-07	2.39E-07	2.66E-03	8.40E-07	2.44E-07	2.66E-03	8.39E-07	2.44E-07
5855	488604.85, 3859963.76	2.80E-03	8.83E-07	2.57E-07	2.86E-03	9.01E-07	2.62E-07	2.85E-03	9.00E-07	2.62E-07
5856	488704.51, 3859962.56	3.01E-03	9.50E-07	2.76E-07	3.07E-03	9.69E-07	2.82E-07	3.07E-03	9.68E-07	2.82E-07
5857	488804.18, 3859961.37	3.24E-03	1.02E-06	2.98E-07	3.31E-03	1.04E-06	3.04E-07	3.30E-03	1.04E-06	3.03E-07
5858	488903.85, 3859960.17	3.49E-03	1.10E-06	3.21E-07	3.56E-03	1.12E-06	3.27E-07	3.56E-03	1.12E-06	3.27E-07
5859	489003.52, 3859958.97	3.75E-03	1.18E-06	3.44E-07	3.83E-03	1.21E-06	3.51E-07	3.82E-03	1.21E-06	3.51E-07
5860	489103.18, 3859957.77	4.04E-03	1.27E-06	3.71E-07	4.12E-03	1.30E-06	3.78E-07	4.12E-03	1.30E-06	3.78E-07
5861	489201.48, 3860046.59	3.96E-03	1.25E-06	3.64E-07	4.04E-03	1.28E-06	3.71E-07	4.04E-03	1.27E-06	3.71E-07
5862	489200.11, 3860136.61	3.60E-03	1.14E-06	3.30E-07	3.67E-03	1.16E-06	3.37E-07	3.67E-03	1.16E-06	3.37E-07
5863	489198.74, 3860226.63	3.29E-03	1.04E-06	3.02E-07	3.36E-03	1.06E-06	3.09E-07	3.36E-03	1.06E-06	3.08E-07
5864	489197.38, 3860316.66	3.02E-03	9.54E-07	2.78E-07	3.09E-03	9.74E-07	2.83E-07	3.08E-03	9.73E-07	2.83E-07
5865	489196.01, 3860406.68	2.80E-03	8.83E-07	2.57E-07	2.86E-03	9.01E-07	2.62E-07	2.85E-03	9.00E-07	2.62E-07
5866	489194.64, 3860496.7	2.58E-03	8.15E-07	2.37E-07	2.63E-03	8.31E-07	2.42E-07	2.63E-03	8.30E-07	2.41E-07
5867	489193.27, 3860586.72	2.41E-03	7.59E-07	2.21E-07	2.46E-03	7.75E-07	2.25E-07	2.45E-03	7.74E-07	2.25E-07
5868	489092.02, 3860678.13	2.16E-03	6.80E-07	1.98E-07	2.20E-03	6.94E-07	2.02E-07	2.20E-03	6.93E-07	2.02E-07
5869	488992.13, 3860679.53	2.07E-03	6.53E-07	1.90E-07	2.11E-03	6.67E-07	1.94E-07	2.11E-03	6.66E-07	1.94E-07
5870	488892.25, 3860680.92	1.99E-03	6.29E-07	1.83E-07	2.03E-03	6.42E-07	1.87E-07	2.03E-03	6.41E-07	1.86E-07
5871	488792.36, 3860682.31	1.91E-03	6.04E-07	1.76E-07	1.95E-03	6.17E-07	1.79E-07	1.95E-03	6.16E-07	1.79E-07
5872	488692.48, 3860683.7	1.84E-03	5.82E-07	1.69E-07	1.88E-03	5.94E-07	1.73E-07	1.88E-03	5.93E-07	1.72E-07
5873	488592.59, 3860685.1	1.76E-03	5.57E-07	1.62E-07	1.80E-03	5.68E-07	1.65E-07	1.80E-03	5.68E-07	1.65E-07
5874	488492.71, 3860686.49	1.71E-03	5.39E-07	1.57E-07	1.74E-03	5.50E-07	1.60E-07	1.74E-03	5.49E-07	1.60E-07
5875	488299.07, 3860762.18	1.56E-03	4.92E-07	1.43E-07	1.59E-03	5.02E-07	1.46E-07	1.59E-03	5.01E-07	1.46E-07
5876	488205.32, 3860764.09	1.50E-03	4.72E-07	1.37E-07	1.53E-03	4.82E-07	1.40E-07	1.53E-03	4.81E-07	1.40E-07
5877	488111.56, 3860766	1.43E-03	4.52E-07	1.32E-07	1.46E-03	4.62E-07	1.34E-07	1.46E-03	4.61E-07	1.34E-07
5878	488017.81, 3860767.91	1.37E-03	4.33E-07	1.26E-07	1.40E-03	4.42E-07	1.29E-07	1.40E-03	4.42E-07	1.28E-07
5879	487924.06, 3860769.81	1.32E-03	4.16E-07	1.21E-07	1.35E-03	4.25E-07	1.24E-07	1.34E-03	4.24E-07	1.23E-07
5880	487830.31, 3860771.72	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
5881	487736.55, 3860773.63	1.23E-03	3.87E-07	1.13E-07	1.25E-03	3.95E-07	1.15E-07	1.25E-03	3.95E-07	1.15E-07
5882	487642.8, 3860775.54	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.83E-07	1.11E-07
5883	487549.48, 3860684.71	1.19E-03	3.75E-07	1.09E-07	1.21E-03	3.83E-07	1.11E-07	1.21E-03	3.82E-07	1.11E-07
5884	487549.91, 3860591.97	1.22E-03	3.84E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.91E-07	1.14E-07
5885	487550.34, 3860499.23	1.25E-03	3.95E-07	1.15E-07	1.28E-03	4.03E-07	1.17E-07	1.27E-03	4.02E-07	1.17E-07
5886	487550.76, 3860406.49	1.29E-03	4.07E-07	1.18E-07	1.32E-03	4.15E-07	1.21E-07	1.31E-03	4.15E-07	1.21E-07

5887	487551.19, 3860313.75	1.32E-03	4.18E-07	1.22E-07	1.35E-03	4.26E-07	1.24E-07	1.35E-03	4.26E-07	1.24E-07
5888	487551.62, 3860221.01	1.36E-03	4.30E-07	1.25E-07	1.39E-03	4.39E-07	1.28E-07	1.39E-03	4.38E-07	1.28E-07
5889	487552.05, 3860128.27	1.41E-03	4.45E-07	1.30E-07	1.44E-03	4.54E-07	1.32E-07	1.44E-03	4.54E-07	1.32E-07
5890	487552.48, 3860035.53	1.46E-03	4.60E-07	1.34E-07	1.49E-03	4.69E-07	1.36E-07	1.48E-03	4.69E-07	1.36E-07
5891	487552.91, 3859942.79	1.49E-03	4.70E-07	1.37E-07	1.52E-03	4.80E-07	1.39E-07	1.52E-03	4.79E-07	1.39E-07
5892	487553.33, 3859850.05	1.54E-03	4.85E-07	1.41E-07	1.57E-03	4.95E-07	1.44E-07	1.57E-03	4.95E-07	1.44E-07
5893	487553.76, 3859757.31	1.58E-03	4.97E-07	1.45E-07	1.61E-03	5.08E-07	1.48E-07	1.61E-03	5.07E-07	1.47E-07
5894	487554.19, 3859664.57	1.61E-03	5.08E-07	1.48E-07	1.64E-03	5.19E-07	1.51E-07	1.64E-03	5.18E-07	1.51E-07
5895	487460.2, 3859571.05	1.55E-03	4.88E-07	1.42E-07	1.58E-03	4.98E-07	1.45E-07	1.58E-03	4.97E-07	1.45E-07
5896	487365.78, 3859570.27	1.47E-03	4.63E-07	1.35E-07	1.50E-03	4.73E-07	1.38E-07	1.50E-03	4.72E-07	1.37E-07
5897	487271.36, 3859569.48	1.40E-03	4.41E-07	1.28E-07	1.43E-03	4.50E-07	1.31E-07	1.42E-03	4.49E-07	1.31E-07
5898	487176.94, 3859568.7	1.33E-03	4.21E-07	1.22E-07	1.36E-03	4.29E-07	1.25E-07	1.36E-03	4.29E-07	1.25E-07
5899	487082.51, 3859567.92	1.28E-03	4.03E-07	1.17E-07	1.30E-03	4.11E-07	1.20E-07	1.30E-03	4.11E-07	1.19E-07
5900	486988.09, 3859567.14	1.22E-03	3.86E-07	1.12E-07	1.25E-03	3.94E-07	1.15E-07	1.25E-03	3.94E-07	1.15E-07
5901	486893.67, 3859566.36	1.18E-03	3.72E-07	1.08E-07	1.20E-03	3.79E-07	1.10E-07	1.20E-03	3.79E-07	1.10E-07
5902	486799.25, 3859565.58	1.13E-03	3.58E-07	1.04E-07	1.16E-03	3.65E-07	1.06E-07	1.16E-03	3.65E-07	1.06E-07
5903	486704.83, 3859564.79	1.09E-03	3.45E-07	1.00E-07	1.12E-03	3.52E-07	1.02E-07	1.12E-03	3.52E-07	1.02E-07
5904	486610.41, 3859564.01	1.06E-03	3.34E-07	9.71E-08	1.08E-03	3.41E-07	9.91E-08	1.08E-03	3.40E-07	9.90E-08
5905	486515.99, 3859563.23	1.02E-03	3.23E-07	9.38E-08	1.04E-03	3.29E-07	9.58E-08	1.04E-03	3.29E-07	9.56E-08
5906	486421.57, 3859562.45	9.91E-04	3.13E-07	9.09E-08	1.01E-03	3.19E-07	9.28E-08	1.01E-03	3.19E-07	9.27E-08
5907	486327.14, 3859561.67	9.62E-04	3.04E-07	8.83E-08	9.82E-04	3.10E-07	9.02E-08	9.81E-04	3.10E-07	9.00E-08
5908	486232.72, 3859560.89	9.34E-04	2.95E-07	8.58E-08	9.53E-04	3.01E-07	8.75E-08	9.52E-04	3.01E-07	8.74E-08
5909	486138.3, 3859560.1	9.09E-04	2.87E-07	8.35E-08	9.28E-04	2.93E-07	8.52E-08	9.27E-04	2.92E-07	8.51E-08
5910	486043.88, 3859559.32	8.85E-04	2.79E-07	8.12E-08	9.03E-04	2.85E-07	8.29E-08	9.02E-04	2.85E-07	8.28E-08
5911	485949.35, 3859463.54	8.72E-04	2.75E-07	8.00E-08	8.90E-04	2.81E-07	8.17E-08	8.89E-04	2.80E-07	8.16E-08
5912	485949.24, 3859368.55	8.81E-04	2.78E-07	8.09E-08	8.99E-04	2.84E-07	8.26E-08	8.98E-04	2.84E-07	8.25E-08
5913	485949.12, 3859273.55	8.90E-04	2.81E-07	8.17E-08	9.09E-04	2.87E-07	8.34E-08	9.08E-04	2.86E-07	8.33E-08
5914	485949.01, 3859178.56	8.99E-04	2.84E-07	8.25E-08	9.17E-04	2.90E-07	8.42E-08	9.16E-04	2.89E-07	8.41E-08
5915	485948.9, 3859083.56	9.09E-04	2.87E-07	8.34E-08	9.27E-04	2.93E-07	8.51E-08	9.26E-04	2.92E-07	8.50E-08
5916	485948.79, 3858988.56	9.17E-04	2.90E-07	8.42E-08	9.36E-04	2.95E-07	8.59E-08	9.35E-04	2.95E-07	8.58E-08
5917	485948.67, 3858893.57	9.25E-04	2.92E-07	8.49E-08	9.44E-04	2.98E-07	8.66E-08	9.42E-04	2.97E-07	8.65E-08
5918	485948.56, 3858798.57	9.32E-04	2.94E-07	8.55E-08	9.51E-04	3.00E-07	8.73E-08	9.50E-04	3.00E-07	8.72E-08
5919	485948.45, 3858703.58	9.33E-04	2.95E-07	8.57E-08	9.53E-04	3.01E-07	8.74E-08	9.51E-04	3.00E-07	8.73E-08
5920	485948.34, 3858608.58	9.36E-04	2.95E-07	8.59E-08	9.55E-04	3.01E-07	8.76E-08	9.54E-04	3.01E-07	8.75E-08
5921	485948.22, 3858513.59	9.35E-04	2.95E-07	8.58E-08	9.54E-04	3.01E-07	8.76E-08	9.53E-04	3.01E-07	8.75E-08
5922	485948.11, 3858418.59	9.31E-04	2.94E-07	8.54E-08	9.50E-04	3.00E-07	8.72E-08	9.48E-04	2.99E-07	8.71E-08
5923	485948, 3858323.59	9.24E-04	2.92E-07	8.48E-08	9.43E-04	2.98E-07	8.65E-08	9.42E-04	2.97E-07	8.64E-08
5924	485947.89, 3858228.6	9.12E-04	2.88E-07	8.37E-08	9.30E-04	2.94E-07	8.54E-08	9.29E-04	2.93E-07	8.53E-08
5925	485947.77, 3858133.6	8.97E-04	2.83E-07	8.24E-08	9.16E-04	2.89E-07	8.41E-08	9.14E-04	2.89E-07	8.40E-08
5926	485947.66, 3858038.61	8.84E-04	2.79E-07	8.12E-08	9.02E-04	2.85E-07	8.28E-08	9.01E-04	2.84E-07	8.27E-08
5927	485854.54, 3857943.35	8.62E-04	2.72E-07	7.91E-08	8.79E-04	2.77E-07	8.07E-08	8.78E-04	2.77E-07	8.06E-08
5928	485761.52, 3857943.09	8.55E-04	2.70E-07	7.84E-08	8.72E-04	2.75E-07	8.01E-08	8.71E-04	2.75E-07	8.00E-08
5929	485668.51, 3857942.83	8.48E-04	2.68E-07	7.79E-08	8.65E-04	2.73E-07	7.94E-08	8.64E-04	2.73E-07	7.93E-08
5930	485575.5, 3857942.56	8.40E-04	2.65E-07	7.72E-08	8.58E-04	2.71E-07	7.87E-08	8.57E-04	2.70E-07	7.86E-08
5931	485482.48, 3857942.3	8.34E-04	2.63E-07	7.65E-08	8.51E-04	2.68E-07	7.81E-08	8.50E-04	2.68E-07	7.80E-08
5932	485389.47, 3857942.04	8.26E-04	2.61E-07	7.59E-08	8.43E-04	2.66E-07	7.74E-08	8.42E-04	2.66E-07	7.73E-08
5933	485296.46, 3857941.78	8.19E-04	2.58E-07	7.52E-08	8.36E-04	2.64E-07	7.67E-08	8.35E-04	2.63E-07	7.66E-08
5934	485203.45, 3857941.52	8.12E-04	2.56E-07	7.45E-08	8.28E-04	2.61E-07	7.60E-08	8.27E-04	2.61E-07	7.60E-08
5935	485110.43, 3857941.26	8.04E-04	2.54E-07	7.38E-08	8.20E-04	2.59E-07	7.53E-08	8.19E-04	2.59E-07	7.52E-08
5936	485017.42, 3857940.99	7.96E-04	2.51E-07	7.31E-08	8.12E-04	2.56E-07	7.46E-08	8.11E-04	2.56E-07	7.45E-08
5937	484924.41, 3857940.73	7.88E-04	2.49E-07	7.24E-08	8.04E-04	2.54E-07	7.38E-08	8.03E-04	2.54E-07	7.38E-08
5938	484831.39, 3857940.47	7.81E-04	2.47E-07	7.17E-08	7.97E-04	2.52E-07	7.32E-08	7.96E-04	2.51E-07	7.31E-08
5939	484738.12, 3857859.3	7.74E-04	2.44E-07	7.11E-08	7.90E-04	2.49E-07	7.25E-08	7.89E-04	2.49E-07	7.24E-08
5940	484737.85, 3857778.4	7.74E-04	2.44E-07	7.11E-08	7.90E-04	2.49E-07	7.25E-08	7.89E-04	2.49E-07	7.24E-08
5941	484737.59, 3857697.49	7.73E-04	2.44E-07	7.10E-08	7.89E-04	2.49E-07	7.24E-08	7.88E-04	2.49E-07	7.23E-08
5942	484737.32, 3857616.59	7.72E-04	2.44E-07	7.09E-08	7.88E-04	2.49E-07	7.23E-08	7.87E-04	2.48E-07	7.23E-08
5943	484645.53, 3857535.18	7.68E-04	2.42E-07	7.05E-08	7.84E-04	2.47E-07	7.19E-08	7.83E-04	2.47E-07	7.19E-08
5944	484553.99, 3857534.67	7.65E-04	2.41E-07	7.02E-08	7.80E-04	2.46E-07	7.16E-08	7.79E-04	2.46E-07	7.15E-08
5945	484462.46, 3857534.17	7.62E-04	2.40E-07	7.00E-08	7.78E-04	2.45E-07	7.14E-08	7.77E-04	2.45E-07	7.13E-08
5946	484370.93, 3857533.66	7.60E-04	2.40E-07	6.97E-08	7.75E-04	2.45E-07	7.12E-08	7.74E-04	2.44E-07	7.11E-08
5947	484279.4, 3857533.16	7.58E-04	2.39E-07	6.95E-08	7.73E-04	2.44E-07	7.10E-08	7.72E-04	2.44E-07	7.09E-08
5948	484187.86, 3857532.65	7.56E-04	2.38E-07	6.94E-08	7.71E-04	2.43E-07	7.08E-08	7.70E-04	2.43E-07	7.07E-08

5949	484096.33, 3857532.15	7.54E-04	2.38E-07	6.92E-08	7.69E-04	2.43E-07	7.06E-08	7.69E-04	2.43E-07	7.06E-08
5950	484004.8, 3857531.64	7.52E-04	2.37E-07	6.90E-08	7.67E-04	2.42E-07	7.04E-08	7.66E-04	2.42E-07	7.03E-08
5951	483913.27, 3857531.14	7.49E-04	2.36E-07	6.87E-08	7.64E-04	2.41E-07	7.01E-08	7.63E-04	2.41E-07	7.01E-08
5952	483821.73, 3857530.63	7.45E-04	2.35E-07	6.84E-08	7.61E-04	2.40E-07	6.98E-08	7.60E-04	2.40E-07	6.98E-08
5953	483729.61, 3857450.11	7.47E-04	2.36E-07	6.86E-08	7.62E-04	2.41E-07	7.00E-08	7.61E-04	2.40E-07	6.99E-08
5954	483729.03, 3857370.08	7.52E-04	2.37E-07	6.91E-08	7.68E-04	2.42E-07	7.05E-08	7.67E-04	2.42E-07	7.04E-08
5955	483728.44, 3857290.06	7.57E-04	2.39E-07	6.95E-08	7.72E-04	2.44E-07	7.09E-08	7.72E-04	2.44E-07	7.08E-08
5956	483727.86, 3857210.03	7.62E-04	2.40E-07	6.99E-08	7.77E-04	2.45E-07	7.14E-08	7.76E-04	2.45E-07	7.13E-08
5957	483641.15, 3857129.07	7.66E-04	2.42E-07	7.03E-08	7.81E-04	2.47E-07	7.17E-08	7.81E-04	2.46E-07	7.17E-08
5958	483555.03, 3857128.14	7.64E-04	2.41E-07	7.01E-08	7.79E-04	2.46E-07	7.15E-08	7.78E-04	2.46E-07	7.15E-08
5959	483468.91, 3857127.2	7.61E-04	2.40E-07	6.98E-08	7.76E-04	2.45E-07	7.12E-08	7.75E-04	2.45E-07	7.12E-08
5960	483382.78, 3857126.26	7.59E-04	2.39E-07	6.97E-08	7.74E-04	2.44E-07	7.11E-08	7.73E-04	2.44E-07	7.10E-08
5961	483296.66, 3857125.32	7.56E-04	2.39E-07	6.94E-08	7.71E-04	2.43E-07	7.08E-08	7.70E-04	2.43E-07	7.07E-08
5962	483210.54, 3857124.39	7.52E-04	2.37E-07	6.91E-08	7.68E-04	2.42E-07	7.05E-08	7.67E-04	2.42E-07	7.04E-08
5963	483123.4, 3857030.96	7.58E-04	2.39E-07	6.96E-08	7.74E-04	2.44E-07	7.10E-08	7.73E-04	2.44E-07	7.09E-08
5964	483122.38, 3856938.46	7.68E-04	2.42E-07	7.05E-08	7.84E-04	2.47E-07	7.19E-08	7.83E-04	2.47E-07	7.19E-08
5965	483121.35, 3856845.97	7.79E-04	2.46E-07	7.15E-08	7.95E-04	2.51E-07	7.30E-08	7.94E-04	2.51E-07	7.29E-08
5966	483120.33, 3856753.47	7.90E-04	2.49E-07	7.25E-08	8.06E-04	2.54E-07	7.40E-08	8.05E-04	2.54E-07	7.39E-08
5967	483119.31, 3856660.98	8.02E-04	2.53E-07	7.37E-08	8.19E-04	2.58E-07	7.52E-08	8.18E-04	2.58E-07	7.51E-08
5968	483118.29, 3856568.49	8.18E-04	2.58E-07	7.51E-08	8.35E-04	2.63E-07	7.66E-08	8.34E-04	2.63E-07	7.65E-08
5969	483117.26, 3856475.99	8.36E-04	2.64E-07	7.68E-08	8.53E-04	2.69E-07	7.83E-08	8.52E-04	2.69E-07	7.82E-08
5970	483116.24, 3856383.5	8.56E-04	2.70E-07	7.86E-08	8.73E-04	2.76E-07	8.02E-08	8.72E-04	2.75E-07	8.01E-08
5971	483115.22, 3856291.01	8.78E-04	2.77E-07	8.06E-08	8.95E-04	2.83E-07	8.22E-08	8.94E-04	2.82E-07	8.21E-08
5972	483114.2, 3856198.51	9.00E-04	2.84E-07	8.26E-08	9.19E-04	2.90E-07	8.43E-08	9.17E-04	2.90E-07	8.42E-08
5973	483113.17, 3856106.02	9.27E-04	2.93E-07	8.51E-08	9.46E-04	2.99E-07	8.68E-08	9.45E-04	2.98E-07	8.67E-08
5974	483112.15, 3856013.52	9.54E-04	3.01E-07	8.76E-08	9.74E-04	3.07E-07	8.94E-08	9.72E-04	3.07E-07	8.93E-08
5975	483029.25, 3855920.47	9.80E-04	3.09E-07	9.00E-08	1.00E-03	3.16E-07	9.18E-08	9.99E-04	3.15E-07	9.17E-08
5976	482947.37, 3855919.91	9.77E-04	3.08E-07	8.97E-08	9.97E-04	3.15E-07	9.15E-08	9.96E-04	3.14E-07	9.14E-08
5977	482865.49, 3855919.36	9.75E-04	3.08E-07	8.95E-08	9.95E-04	3.14E-07	9.13E-08	9.93E-04	3.14E-07	9.12E-08
5978	482783.61, 3855918.8	9.74E-04	3.08E-07	8.95E-08	9.94E-04	3.14E-07	9.13E-08	9.93E-04	3.13E-07	9.12E-08
5979	482700.33, 3855818.39	1.01E-03	3.18E-07	9.25E-08	1.03E-03	3.24E-07	9.44E-08	1.03E-03	3.24E-07	9.43E-08
5980	482698.92, 3855718.54	1.05E-03	3.30E-07	9.60E-08	1.07E-03	3.37E-07	9.79E-08	1.07E-03	3.36E-07	9.78E-08
5981	482697.52, 3855618.68	1.08E-03	3.42E-07	9.95E-08	1.11E-03	3.49E-07	1.02E-07	1.10E-03	3.49E-07	1.01E-07
5982	482696.11, 3855518.83	1.13E-03	3.56E-07	1.03E-07	1.15E-03	3.63E-07	1.06E-07	1.15E-03	3.63E-07	1.05E-07
5983	482694.71, 3855418.98	1.17E-03	3.70E-07	1.08E-07	1.19E-03	3.77E-07	1.10E-07	1.19E-03	3.77E-07	1.10E-07
5984	482693.3, 3855319.13	1.22E-03	3.85E-07	1.12E-07	1.24E-03	3.92E-07	1.14E-07	1.24E-03	3.92E-07	1.14E-07
5985	482691.9, 3855219.27	1.27E-03	4.01E-07	1.17E-07	1.30E-03	4.09E-07	1.19E-07	1.30E-03	4.09E-07	1.19E-07
5986	482690.49, 3855119.42	1.33E-03	4.19E-07	1.22E-07	1.35E-03	4.28E-07	1.24E-07	1.35E-03	4.27E-07	1.24E-07
5987	482689.09, 3855019.57	1.39E-03	4.40E-07	1.28E-07	1.42E-03	4.49E-07	1.31E-07	1.42E-03	4.48E-07	1.30E-07
5988	482687.68, 3854919.72	1.46E-03	4.62E-07	1.34E-07	1.49E-03	4.72E-07	1.37E-07	1.49E-03	4.71E-07	1.37E-07
5989	482686.28, 3854819.86	1.55E-03	4.89E-07	1.42E-07	1.58E-03	4.99E-07	1.45E-07	1.58E-03	4.98E-07	1.45E-07
5990	482684.88, 3854720.01	1.64E-03	5.17E-07	1.50E-07	1.67E-03	5.27E-07	1.53E-07	1.67E-03	5.26E-07	1.53E-07
5991	482683.47, 3854620.16	1.74E-03	5.50E-07	1.60E-07	1.78E-03	5.62E-07	1.63E-07	1.78E-03	5.61E-07	1.63E-07
5992	482682.07, 3854520.31	1.86E-03	5.89E-07	1.71E-07	1.90E-03	6.01E-07	1.75E-07	1.90E-03	6.00E-07	1.74E-07
5993	482680.66, 3854420.45	2.01E-03	6.33E-07	1.84E-07	2.05E-03	6.46E-07	1.88E-07	2.04E-03	6.45E-07	1.88E-07
5994	482679.26, 3854320.6	2.17E-03	6.86E-07	1.99E-07	2.22E-03	7.00E-07	2.04E-07	2.21E-03	6.99E-07	2.03E-07
5995	482677.85, 3854220.75	2.38E-03	7.52E-07	2.19E-07	2.43E-03	7.67E-07	2.23E-07	2.43E-03	7.66E-07	2.23E-07
5996	482676.45, 3854120.9	2.63E-03	8.30E-07	2.41E-07	2.68E-03	8.47E-07	2.46E-07	2.68E-03	8.46E-07	2.46E-07
5997	482675.04, 3854021.04	2.95E-03	9.30E-07	2.70E-07	3.01E-03	9.49E-07	2.76E-07	3.00E-03	9.48E-07	2.76E-07
5998	482673.64, 3853921.19	3.36E-03	1.06E-06	3.08E-07	3.43E-03	1.08E-06	3.15E-07	3.42E-03	1.08E-06	3.14E-07
5999	482672.23, 3853821.34	3.98E-03	1.25E-06	3.65E-07	4.06E-03	1.28E-06	3.72E-07	4.05E-03	1.28E-06	3.72E-07
6000	482670.83, 3853721.49	4.94E-03	1.56E-06	4.54E-07	5.04E-03	1.59E-06	4.63E-07	5.04E-03	1.59E-06	4.62E-07
6001	482669.42, 3853621.63	6.57E-03	2.07E-06	6.03E-07	6.70E-03	2.11E-06	6.15E-07	6.69E-03	2.11E-06	6.14E-07
6002	482645.99, 3853446.13	1.28E-02	4.04E-06	1.18E-06	1.31E-02	4.12E-06	1.20E-06	1.30E-02	4.12E-06	1.20E-06
6003	482623.97, 3853370.49	1.53E-02	4.81E-06	1.40E-06	1.56E-02	4.91E-06	1.43E-06	1.55E-02	4.91E-06	1.43E-06
6004	482601.94, 3853294.84	1.73E-02	5.47E-06	1.59E-06	1.77E-02	5.58E-06	1.62E-06	1.77E-02	5.57E-06	1.62E-06
6005	482531.29, 3853133.44	2.08E-02	6.57E-06	1.91E-06	2.12E-02	6.70E-06	1.95E-06	2.12E-02	6.69E-06	1.95E-06
6006	482482.68, 3853047.69	2.32E-02	7.32E-06	2.13E-06	2.37E-02	7.47E-06	2.17E-06	2.36E-02	7.46E-06	2.17E-06
6007	482383.09, 3852897.4	2.89E-02	9.11E-06	2.65E-06	2.95E-02	9.30E-06	2.71E-06	2.94E-02	9.29E-06	2.70E-06
6008	482265.64, 3852765.26	3.09E-02	9.74E-06	2.83E-06	3.15E-02	9.94E-06	2.89E-06	3.14E-02	9.93E-06	2.89E-06
6009	482199.16, 3852697.66	3.08E-02	9.73E-06	2.83E-06	3.15E-02	9.93E-06	2.89E-06	3.14E-02	9.92E-06	2.88E-06
6010	482132.69, 3852630.07	3.10E-02	9.79E-06	2.85E-06	3.16E-02	9.99E-06	2.90E-06	3.16E-02	9.97E-06	2.90E-06

6011 482066.21, 3852562.48	3.08E-02	9.72E-06	2.83E-06	3.14E-02	9.92E-06	2.88E-06	3.14E-02	9.90E-06	2.88E-06
6012 481999.74, 3852494.89	3.02E-02	9.54E-06	2.77E-06	3.08E-02	9.73E-06	2.83E-06	3.08E-02	9.72E-06	2.83E-06
6013 481933.26, 3852427.29	2.95E-02	9.31E-06	2.71E-06	3.01E-02	9.50E-06	2.76E-06	3.01E-02	9.49E-06	2.76E-06
6014 481866.79, 3852359.7	2.93E-02	9.26E-06	2.69E-06	2.99E-02	9.45E-06	2.75E-06	2.99E-02	9.43E-06	2.74E-06
6015 481800.31, 3852292.11	2.92E-02	9.23E-06	2.68E-06	2.98E-02	9.41E-06	2.74E-06	2.98E-02	9.40E-06	2.73E-06
6016 481733.84, 3852224.52	2.90E-02	9.16E-06	2.67E-06	2.96E-02	9.35E-06	2.72E-06	2.96E-02	9.34E-06	2.72E-06
6017 481667.36, 3852156.92	2.96E-02	9.35E-06	2.72E-06	3.02E-02	9.54E-06	2.77E-06	3.02E-02	9.53E-06	2.77E-06
6018 481600.89, 3852089.33	2.93E-02	9.25E-06	2.69E-06	2.99E-02	9.44E-06	2.75E-06	2.99E-02	9.43E-06	2.74E-06
6019 481534.41, 3852021.74	2.91E-02	9.17E-06	2.67E-06	2.97E-02	9.36E-06	2.72E-06	2.96E-02	9.35E-06	2.72E-06
6020 481467.94, 3851954.15	2.93E-02	9.23E-06	2.69E-06	2.98E-02	9.42E-06	2.74E-06	2.98E-02	9.41E-06	2.74E-06
6021 481401.46, 3851886.55	3.01E-02	9.51E-06	2.77E-06	3.08E-02	9.71E-06	2.82E-06	3.07E-02	9.70E-06	2.82E-06
6022 481265.87, 3851761.43	3.08E-02	9.72E-06	2.83E-06	3.14E-02	9.92E-06	2.88E-06	3.14E-02	9.91E-06	2.88E-06
6023 481196.74, 3851703.89	3.14E-02	9.90E-06	2.88E-06	3.20E-02	1.01E-05	2.94E-06	3.20E-02	1.01E-05	2.93E-06
6024 481076.33, 3851619.05	3.15E-02	9.93E-06	2.89E-06	3.21E-02	1.01E-05	2.95E-06	3.21E-02	1.01E-05	2.94E-06
6025 480939.8, 3851549.07	3.00E-02	9.47E-06	2.75E-06	3.06E-02	9.66E-06	2.81E-06	3.06E-02	9.65E-06	2.81E-06
6026 480854.56, 3851506.41	2.99E-02	9.44E-06	2.75E-06	3.05E-02	9.63E-06	2.80E-06	3.05E-02	9.62E-06	2.80E-06
6027 480769.32, 3851463.75	3.03E-02	9.57E-06	2.78E-06	3.09E-02	9.76E-06	2.84E-06	3.09E-02	9.75E-06	2.84E-06
6028 480684.08, 3851421.08	3.08E-02	9.73E-06	2.83E-06	3.15E-02	9.93E-06	2.89E-06	3.14E-02	9.91E-06	2.88E-06
6029 480598.84, 3851378.42	3.07E-02	9.70E-06	2.82E-06	3.14E-02	9.90E-06	2.88E-06	3.13E-02	9.89E-06	2.88E-06
6030 480435.71, 3851275.01	3.64E-02	1.15E-05	3.34E-06	3.71E-02	1.17E-05	3.41E-06	3.71E-02	1.17E-05	3.40E-06
6031 480347.85, 3851232.36	3.62E-02	1.14E-05	3.32E-06	3.69E-02	1.17E-05	3.39E-06	3.69E-02	1.16E-05	3.39E-06
6032 480260, 3851189.72	3.61E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.38E-06
6033 480172.15, 3851147.07	3.60E-02	1.14E-05	3.31E-06	3.68E-02	1.16E-05	3.38E-06	3.67E-02	1.16E-05	3.37E-06
6034 480084.29, 3851104.42	3.61E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.38E-06	3.68E-02	1.16E-05	3.38E-06
6035 479996.44, 3851061.77	3.63E-02	1.14E-05	3.33E-06	3.70E-02	1.17E-05	3.40E-06	3.69E-02	1.17E-05	3.39E-06
6036 479908.58, 3851019.13	3.79E-02	1.20E-05	3.48E-06	3.87E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.55E-06
6037 479820.73, 3850976.48	3.79E-02	1.19E-05	3.48E-06	3.86E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.54E-06
6038 479732.88, 3850933.83	3.79E-02	1.20E-05	3.48E-06	3.87E-02	1.22E-05	3.55E-06	3.86E-02	1.22E-05	3.55E-06
6039 479645.02, 3850891.18	3.80E-02	1.20E-05	3.48E-06	3.87E-02	1.22E-05	3.56E-06	3.87E-02	1.22E-05	3.55E-06
6040 479557.17, 3850848.54	3.76E-02	1.19E-05	3.46E-06	3.84E-02	1.21E-05	3.53E-06	3.84E-02	1.21E-05	3.52E-06
6041 479469.32, 3850805.89	3.86E-02	1.22E-05	3.54E-06	3.93E-02	1.24E-05	3.61E-06	3.93E-02	1.24E-05	3.61E-06
6042 479381.46, 3850763.24	3.81E-02	1.20E-05	3.50E-06	3.89E-02	1.23E-05	3.57E-06	3.89E-02	1.23E-05	3.57E-06
6043 479293.61, 3850720.59	3.71E-02	1.17E-05	3.40E-06	3.78E-02	1.19E-05	3.47E-06	3.78E-02	1.19E-05	3.47E-06
6044 479205.76, 3850677.95	3.62E-02	1.14E-05	3.33E-06	3.70E-02	1.17E-05	3.39E-06	3.69E-02	1.17E-05	3.39E-06
6045 479117.9, 3850635.3	3.47E-02	1.10E-05	3.19E-06	3.54E-02	1.12E-05	3.25E-06	3.54E-02	1.12E-05	3.25E-06
6046 479030.05, 3850592.65	3.38E-02	1.07E-05	3.11E-06	3.45E-02	1.09E-05	3.17E-06	3.45E-02	1.09E-05	3.17E-06
6047 478942.19, 3850550	3.45E-02	1.09E-05	3.17E-06	3.53E-02	1.11E-05	3.24E-06	3.52E-02	1.11E-05	3.23E-06
6048 478854.34, 3850507.36	3.81E-02	1.20E-05	3.50E-06	3.89E-02	1.23E-05	3.57E-06	3.89E-02	1.23E-05	3.57E-06
6049 478766.49, 3850464.71	3.88E-02	1.22E-05	3.56E-06	3.96E-02	1.25E-05	3.63E-06	3.95E-02	1.25E-05	3.63E-06
6050 478678.63, 3850422.06	3.88E-02	1.23E-05	3.56E-06	3.96E-02	1.25E-05	3.64E-06	3.96E-02	1.25E-05	3.63E-06
6051 478590.78, 3850379.41	3.91E-02	1.23E-05	3.59E-06	3.99E-02	1.26E-05	3.67E-06	3.99E-02	1.26E-05	3.66E-06
6052 478502.93, 3850336.77	3.90E-02	1.23E-05	3.58E-06	3.98E-02	1.26E-05	3.65E-06	3.97E-02	1.25E-05	3.65E-06
6053 478415.07, 3850294.12	3.85E-02	1.22E-05	3.54E-06	3.93E-02	1.24E-05	3.61E-06	3.93E-02	1.24E-05	3.61E-06
6054 478327.22, 3850251.47	3.91E-02	1.23E-05	3.59E-06	3.99E-02	1.26E-05	3.66E-06	3.98E-02	1.26E-05	3.66E-06
6055 478239.36, 3850208.82	3.94E-02	1.24E-05	3.61E-06	4.02E-02	1.27E-05	3.69E-06	4.01E-02	1.27E-05	3.68E-06
6056 478151.51, 3850166.18	3.95E-02	1.25E-05	3.63E-06	4.03E-02	1.27E-05	3.70E-06	4.03E-02	1.27E-05	3.70E-06
6057 478063.66, 3850123.53	3.97E-02	1.25E-05	3.65E-06	4.05E-02	1.28E-05	3.72E-06	4.05E-02	1.28E-05	3.72E-06
6058 477975.8, 3850080.88	3.77E-02	1.19E-05	3.46E-06	3.85E-02	1.22E-05	3.53E-06	3.85E-02	1.21E-05	3.53E-06
6059 477887.95, 3850038.23	3.74E-02	1.18E-05	3.43E-06	3.82E-02	1.20E-05	3.50E-06	3.81E-02	1.20E-05	3.50E-06
6060 477800.1, 3849995.59	3.66E-02	1.16E-05	3.36E-06	3.73E-02	1.18E-05	3.43E-06	3.73E-02	1.18E-05	3.42E-06
6061 477712.24, 3849952.94	3.68E-02	1.16E-05	3.37E-06	3.75E-02	1.18E-05	3.44E-06	3.75E-02	1.18E-05	3.44E-06
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6063 477536.54, 3849867.64	3.60E-02	1.14E-05	3.30E-06	3.67E-02	1.16E-05	3.37E-06	3.67E-02	1.16E-05	3.37E-06
6064 477448.68, 3849825	3.59E-02	1.13E-05	3.30E-06	3.66E-02	1.16E-05	3.36E-06	3.66E-02	1.15E-05	3.36E-06
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6066 477272.97, 3849739.7	3.56E-02	1.12E-05	3.27E-06	3.63E-02	1.15E-05	3.33E-06	3.63E-02	1.15E-05	3.33E-06
6067 477185.12, 3849697.05	3.54E-02	1.12E-05	3.25E-06	3.62E-02	1.14E-05	3.32E-06	3.61E-02	1.14E-05	3.32E-06
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6069 477009.41, 3849611.76	3.74E-02	1.18E-05	3.44E-06	3.82E-02	1.21E-05	3.51E-06	3.82E-02	1.20E-05	3.50E-06
6070 476841.49, 3849530.08	3.84E-02	1.21E-05	3.53E-06	3.92E-02	1.24E-05	3.60E-06	3.92E-02	1.24E-05	3.60E-06
6071 476761.41, 3849491.05	3.88E-02	1.22E-05	3.56E-06	3.96E-02	1.25E-05	3.64E-06	3.95E-02	1.25E-05	3.63E-06
6072 476681.34, 3849452.02	4.05E-02	1.28E-05	3.72E-06	4.13E-02	1.30E-05	3.79E-06	4.13E-02	1.30E-05	3.79E-06

6073	476601.26, 3849412.99	4.39E-02	1.39E-05	4.03E-06	4.48E-02	1.41E-05	4.12E-06	4.48E-02	1.41E-05	4.11E-06
6074	476456.32, 3849353.67	5.26E-02	1.66E-05	4.83E-06	5.36E-02	1.69E-05	4.92E-06	5.36E-02	1.69E-05	4.92E-06
6075	476305.43, 3849318.84	4.99E-02	1.58E-05	4.58E-06	5.09E-02	1.61E-05	4.68E-06	5.09E-02	1.61E-05	4.67E-06
6076	476129.36, 3849289.99	4.91E-02	1.55E-05	4.51E-06	5.02E-02	1.58E-05	4.60E-06	5.01E-02	1.58E-05	4.60E-06
6077	476039.31, 3849275.68	4.81E-02	1.52E-05	4.42E-06	4.91E-02	1.55E-05	4.51E-06	4.91E-02	1.55E-05	4.50E-06
6078	475949.26, 3849261.38	5.00E-02	1.58E-05	4.59E-06	5.10E-02	1.61E-05	4.68E-06	5.10E-02	1.61E-05	4.68E-06
6079	475859.21, 3849247.08	4.81E-02	1.52E-05	4.42E-06	4.91E-02	1.55E-05	4.51E-06	4.90E-02	1.55E-05	4.50E-06
6080	475769.16, 3849232.77	4.63E-02	1.46E-05	4.25E-06	4.73E-02	1.49E-05	4.34E-06	4.72E-02	1.49E-05	4.33E-06
6081	475585.23, 3849219.27	2.52E-02	7.97E-06	2.32E-06	2.58E-02	8.13E-06	2.36E-06	2.57E-02	8.12E-06	2.36E-06
6082	475444.5, 3849150.35	4.78E-02	1.51E-05	4.39E-06	4.88E-02	1.54E-05	4.48E-06	4.87E-02	1.54E-05	4.47E-06
6083	475334.18, 3849118.71	3.60E-02	1.14E-05	3.31E-06	3.68E-02	1.16E-05	3.38E-06	3.67E-02	1.16E-05	3.37E-06
6084	475230.47, 3849060.57	3.62E-02	1.14E-05	3.32E-06	3.69E-02	1.16E-05	3.39E-06	3.68E-02	1.16E-05	3.38E-06
6085	475110.86, 3848960.97	4.32E-02	1.36E-05	3.97E-06	4.41E-02	1.39E-05	4.05E-06	4.40E-02	1.39E-05	4.04E-06
6086	475037.79, 3848896.28	4.49E-02	1.42E-05	4.13E-06	4.59E-02	1.45E-05	4.21E-06	4.58E-02	1.45E-05	4.20E-06
6087	474964.72, 3848831.59	4.65E-02	1.47E-05	4.27E-06	4.74E-02	1.50E-05	4.35E-06	4.74E-02	1.49E-05	4.35E-06
6088	474891.65, 3848766.9	4.63E-02	1.46E-05	4.25E-06	4.73E-02	1.49E-05	4.34E-06	4.72E-02	1.49E-05	4.34E-06
6089	474818.58, 3848702.22	4.67E-02	1.47E-05	4.29E-06	4.77E-02	1.50E-05	4.38E-06	4.76E-02	1.50E-05	4.37E-06
6090	474745.51, 3848637.53	4.22E-02	1.33E-05	3.87E-06	4.31E-02	1.36E-05	3.95E-06	4.30E-02	1.36E-05	3.95E-06
6091	474672.44, 3848572.84	4.16E-02	1.31E-05	3.82E-06	4.24E-02	1.34E-05	3.90E-06	4.24E-02	1.34E-05	3.89E-06
6092	474599.37, 3848508.15	4.28E-02	1.35E-05	3.93E-06	4.37E-02	1.38E-05	4.01E-06	4.36E-02	1.38E-05	4.00E-06
6093	474526.3, 3848443.46	4.26E-02	1.34E-05	3.91E-06	4.35E-02	1.37E-05	3.99E-06	4.34E-02	1.37E-05	3.99E-06

Block Swap Yard - RD (Exposure After Construction)

			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	485973.6	3854937	1.17E-02	1.26E-02	1.98E-02	4.05E-06	1.22E-05	7.08E-06	7.63E-06	6.92E-06	3.16E-06	4.97E-06	0.00E+00	0.00E+00	1.30E-06	2.59E-07	1.64E-06	2.54E-07	3.85E-07	3.85E-06
2	486023.6	3854937	1.14E-02	1.23E-02	1.93E-02	3.93E-06	1.19E-05	6.88E-06	7.41E-06	6.72E-06	3.07E-06	4.82E-06	0.00E+00	0.00E+00	1.27E-06	2.52E-07	1.60E-06	2.46E-07	3.74E-07	3.73E-06
3	486073.6	3854937	1.11E-02	1.20E-02	1.89E-02	3.85E-06	1.16E-05	6.73E-06	7.26E-06	6.58E-06	3.00E-06	4.72E-06	0.00E+00	0.00E+00	1.24E-06	2.46E-07	1.56E-06	2.41E-07	3.66E-07	3.65E-06
4	486123.6	3854937	1.07E-02	1.15E-02	1.81E-02	3.70E-06	1.12E-05	6.46E-06	6.97E-06	6.32E-06	2.88E-06	4.54E-06	0.00E+00	0.00E+00	1.19E-06	2.36E-07	1.50E-06	2.31E-07	3.51E-07	3.51E-06
5	486173.6	3854937	1.06E-02	1.14E-02	1.80E-02	3.66E-06	1.11E-05	6.40E-06	6.90E-06	6.25E-06	2.85E-06	4.49E-06	0.00E+00	0.00E+00	1.18E-06	2.34E-07	1.49E-06	2.29E-07	3.48E-07	3.47E-06
6	486223.6	3854937	1.03E-02	1.11E-02	1.75E-02	3.56E-06	1.08E-05	6.23E-06	6.71E-06	6.08E-06	2.78E-06	4.37E-06	0.00E+00	0.00E+00	1.15E-06	2.28E-07	1.45E-06	2.23E-07	3.39E-07	3.38E-06
7	486273.6	3854937	1.01E-02	1.09E-02	1.71E-02	3.49E-06	1.05E-05	6.09E-06	6.57E-06	5.95E-06	2.72E-06	4.28E-06	0.00E+00	0.00E+00	1.12E-06	2.23E-07	1.41E-06	2.18E-07	3.31E-07	3.31E-06
8	486323.6	3854937	9.88E-03	1.06E-02	1.68E-02	3.42E-06	1.03E-05	5.98E-06	6.44E-06	5.84E-06	2.66E-06	4.20E-06	0.00E+00	0.00E+00	1.10E-06	2.19E-07	1.39E-06	2.14E-07	3.25E-07	3.24E-06
9	485973.6	3854987	1.25E-02	1.35E-02	2.12E-02	4.32E-06	1.31E-05	7.55E-06	8.14E-06	7.38E-06	3.37E-06	5.29E-06	0.00E+00	0.00E+00	1.39E-06	2.76E-07	1.75E-06	2.70E-07	4.10E-07	4.10E-06
10	486023.6	3854987	1.22E-02	1.31E-02	2.06E-02	4.21E-06	1.27E-05	7.36E-06	7.93E-06	7.19E-06	3.28E-06	5.16E-06	0.00E+00	0.00E+00	1.35E-06	2.69E-07	1.71E-06	2.63E-07	3.99E-07	3.99E-06
11	486073.6	3854987	1.18E-02	1.27E-02	2.00E-02	4.08E-06	1.23E-05	7.14E-06	7.69E-06	6.97E-06	3.18E-06	5.00E-06	0.00E+00	0.00E+00	1.31E-06	2.61E-07	1.66E-06	2.56E-07	3.88E-07	3.87E-06
12	486123.6	3854987	1.15E-02	1.23E-02	1.94E-02	3.96E-06	1.20E-05	6.93E-06	7.47E-06	6.77E-06	3.09E-06	4.86E-06	0.00E+00	0.00E+00	1.27E-06	2.54E-07	1.61E-06	2.48E-07	3.76E-07	3.76E-06
13	486173.6	3854987	1.12E-02	1.21E-02	1.91E-02	3.89E-06	1.18E-05	6.81E-06	7.34E-06	6.65E-06	3.03E-06	4.77E-06	0.00E+00	0.00E+00	1.25E-06	2.49E-07	1.58E-06	2.44E-07	3.70E-07	3.69E-06
14	486223.6	3854987	1.09E-02	1.18E-02	1.85E-02	3.78E-06	1.14E-05	6.61E-06	7.12E-06	6.46E-06	2.95E-06	4.64E-06	0.00E+00	0.00E+00	1.22E-06	2.42E-07	1.53E-06	2.37E-07	3.59E-07	3.59E-06
15	486273.6	3854987	1.06E-02	1.14E-02	1.80E-02	3.66E-06	1.11E-05	6.40E-06	6.90E-06	6.25E-06	2.85E-06	4.49E-06	0.00E+00	0.00E+00	1.18E-06	2.34E-07	1.49E-06	2.29E-07	3.48E-07	3.47E-06
16	486323.6	3854987	1.05E-02	1.13E-02	1.78E-02	3.64E-06	1.10E-05	6.36E-06	6.86E-06	6.22E-06	2.84E-06	4.47E-06	0.00E+00	0.00E+00	1.17E-06	2.33E-07	1.48E-06	2.28E-07	3.46E-07	3.45E-06
17	485973.6	3855037	1.33E-02	1.44E-02	2.26E-02	4.62E-06	1.40E-05	8.08E-06	8.70E-06	7.89E-06	3.60E-06	5.66E-06	0.00E+00	0.00E+00	1.49E-06	2.95E-07	1.87E-06	2.89E-07	4.38E-07	4.38E-06
18	486023.6	3855037	1.30E-02	1.40E-02	2.19E-02	4.48E-06	1.35E-05	7.84E-06	8.45E-06	7.66E-06	3.49E-06	5.49E-06	0.00E+00	0.00E+00	1.44E-06	2.87E-07	1.82E-06	2.81E-07	4.25E-07	4.25E-06
19	486073.6	3855037	1.25E-02	1.35E-02	2.12E-02	4.32E-06	1.31E-05	7.56E-06	8.14E-06	7.38E-06	3.37E-06	5.29E-06	0.00E+00	0.00E+00	1.39E-06	2.76E-07	1.75E-06	2.70E-07	4.10E-07	4.10E-06
20	486123.6	3855037	1.21E-02	1.31E-02	2.06E-02	4.20E-06	1.27E-05	7.34E-06	7.91E-06	7.17E-06	3.27E-06	5.15E-06	0.00E+00	0.00E+00	1.35E-06	2.69E-07	1.70E-06	2.63E-07	3.98E-07	3.98E-06
21	486173.6	3855037	1.19E-02	1.28E-02	2.02E-02	4.12E-06	1.25E-05	7.21E-06	7.77E-06	7.04E-06	3.21E-06	5.06E-06	0.00E+00	0.00E+00	1.33E-06	2.64E-07	1.67E-06	2.58E-07	3.91E-07	3.91E-06
22	486223.6	3855037	1.15E-02	1.24E-02	1.95E-02	3.98E-06	1.20E-05	6.96E-06	7.51E-06	6.80E-06	3.10E-06	4.88E-06	0.00E+00	0.00E+00	1.28E-06	2.55E-07	1.62E-06	2.49E-07	3.78E-07	3.78E-06
23	486273.6	3855037	1.13E-02	1.22E-02	1.92E-02	3.93E-06	1.19E-05	6.86E-06	7.40E-06	6.71E-06	3.06E-06	4.82E-06	0.00E+00	0.00E+00	1.26E-06	2.51E-07	1.59E-06	2.46E-07	3.73E-07	3.73E-06
24	486323.6	3855037	1.10E-02	1.19E-02	1.87E-02	3.82E-06	1.15E-05	6.68E-06	7.20E-06	6.53E-06	2.98E-06	4.69E-06	0.00E+00	0.00E+00	1.23E-06	2.45E-07	1.55E-06	2.39E-07	3.63E-07	3.63E-06
25	485973.6	3855087	1.42E-02	1.53E-02	2.40E-02	4.91E-06	1.48E-05	8.59E-06	9.25E-06	8.39E-06	3.83E-06	6.01E-06	0.00E+00	0.00E+00	1.58E-06	3.14E-07	1.99E-06	3.07E-07	4.65E-07	4.66E-06
26	486023.6	3855087	1.38E-02	1.49E-02	2.34E-02	4.79E-06	1.45E-05	8.37E-06	9.02E-06	8.18E-06	3.73E-06	5.86E-06	0.00E+00	0.00E+00	1.54E-06	3.06E-07	1.94E-06	3.00E-07	4.54E-07	4.54E-06
27	486073.6	3855087	1.33E-02	1.43E-02	2.25E-02	4.61E-06	1.39E-05	8.05E-06	8.68E-06	7.86E-06	3.59E-06	5.64E-06	0.00E+00	0.00E+00	1.48E-06	2.94E-07	1.87E-06	2.88E-07	4.37E-07	4.37E-06
28	486123.6	3855087	1.30E-02	1.40E-02	2.20E-02	4.50E-06	1.36E-05	7.86E-06	8.47E-06	7.68E-06	3.50E-06	5.51E-06	0.00E+00	0.00E+00	1.45E-06	2.87E-07	1.82E-06	2.81E-07	4.26E-07	4.26E-06
29	486173.6	3855087	1.25E-02	1.35E-02	2.13E-02	4.34E-06	1.31E-05	7.59E-06	8.18E-06	7.42E-06	3.38E-06	5.32E-06	0.00E+00	0.00E+00	1.40E-06	2.78E-07	1.76E-06	2.72E-07	4.12E-07	4.12E-06
30	486223.6	3855087	1.23E-02	1.32E-02	2.08E-02	4.24E-06	1.28E-05	7.41E-06	7.99E-06	7.24E-06	3.31E-06	5.20E-06	0.00E+00	0.00E+00	1.36E-06	2.71E-07	1.72E-06	2.65E-07	4.02E-07	4.02E-06
31	485973.6	3855137	1.52E-02	1.64E-02	2.57E-02	5.26E-06	1.59E-05	9.19E-06	9.91E-06	8.98E-06	4.10E-06	6.43E-06	0.00E+00	0.00E+00	1.69E-06	3.36E-07	2.13E-06	3.29E-07	4.98E-07	4.99E-06
32	486023.6	3855137	1.47E-02	1.58E-02	2.49E-02	5.09E-06	1.54E-05	8.90E-06	9.59E-06	8.69E-06	3.97E-06	6.23E-06	0.00E+00	0.00E+00	1.64E-06	3.25E-07	2.06E-06	3.18E-07	4.82E-07	4.83E-06
33	486073.6	3855137	1.42E-02	1.53E-02	2.41E-02	4.92E-06	1.49E-05	8.60E-06	9.27E-06	8.40E-06	3.83E-06	6.02E-06	0.00E+00	0.00E+00	1.58E-06	3.15E-07	2.00E-06	3.08E-07	4.66E-07	4.67E-06
34	486123.6	3855137	1.38E-02	1.49E-02	2.34E-02	4.78E-06	1.44E-05	8.35E-06	9.00E-06	8.16E-06	3.72E-06	5.85E-06	0.00E+00	0.00E+00	1.54E-06	3.05E-07	1.94E-06	2.99E-07	4.53E-07	4.53E-06
35	486173.6	3855137	1.34E-02	1.44E-02	2.26E-02	4.62E-06	1.40E-05	8.08E-06	8.71E-06	7.90E-06	3.60E-06	5.66E-06	0.00E+00	0.00E+00	1.49E-06	2.96E-07	1.88E-06	2.89E-07	4.39E-07	4.39E-06
36	486223.6	3855137	1.30E-02	1.40E-02	2.20E-02	4.49E-06	1.36E-05	7.85E-06	8.46E-06	7.67E-06	3.50E-06	5.50E-06	0.00E+00	0.00E+00	1.44E-06	2.87E-07	1.82E-06	2.81E-07	4.26E-07	4.26E-06
37	485973.6	3855187	1.62E-02	1.75E-02	2.75E-02	5.62E-06	1.70E-05	9.82E-06	1.06E-05	9.60E-06	4.38E-06	6.87E-06	0.00E+00	0.00E+00	1.81E-06	3.59E-07	2.28E-06	3.52E-07	5.32E-07	5.33E-06
38	486023.6	3855187	1.57E-02	1.69E-02	2.66E-02	5.44E-06	1.64E-05	9.51E-06	1.03E-05	9.29E-06	4.24E-06	6.66E-06	0.00E+00	0.00E+00	1.75E-06	3.48E-07	2.21E-06	3.40E-07	5.15E-07	5.16E-06
39	486073.6	3855187	1.51E-02	1.63E-02	2.56E-02	5.23E-06	1.58E-05	9.14E-06	9.85E-06	8.93E-06	4.07E-06	6.40E-06	0.00E+00	0.00E+00	1.68E-06	3.34E-07	2.12E-06	3.27E-07	4.95E-07	4.96E-06
40	486123.6	3855187	1.45E-02	1.57E-02	2.46E-02	5.03E-06	1.52E-05	8.80E-06	9.48E-06	8.59E-06	3.92E-06	6.16E-06	0.00E+00	0.00E+00	1.62E-06	3.22E-07	2.04E-06	3.15E-07	4.77E-07	4.77E-06
41	486173.6	3855187	1.41E-02	1.52E-02	2.39E-02	4.88E-06	1.47E-05	8.53E-06	9.20E-06	8.34E-06	3.80E-06	5.98E-06	0.00E+00	0.00E+00	1.57E-06	3.12E-07	1.98E-06	3.05E-07	4.63E-07	4.63E-06
42	486223.6	3855187	1.37E-02	1.48E-02	2.32E-02	4.74E-06	1.43E-05	8.28E-06	8.93E-06	8.09E-06	3.69E-06	5.80E-06	0.00E+00	0.00E+00	1.52E-06	3.03E-07	1.92E-06	2.97E-07	4.49E-07	4.50E-06
43	486273.6	3855187	1.33E-02	1.43E-02	2.25E-02	4.59E-06	1.39E-05	8.03E-06	8.65E-06	7.84E-06	3.58E-06	5.63E-06	0.00E+00	0.00E+00	1.48E-06	2.94E-07	1.86E-06	2.87E-07	4.36E-07	4.36E-06
44	486323.6	3855187	1.32E-02	1.42E-02	2.24E-02	4.57E-06	1.38E-05	7.99E-06	8.61E-06	7.81E-06	3.56E-06	5.60E-06	0.00E+00	0.00E+00	1.47E-06	2.92E-07	1.86E-06	2.86E-07	4.34E-07	4.34E-06
45	485973.6	3855237	1.73E-02	1.86E-02	2.92E-02	5.98E-06	1.81E-05	1.05E-05	1.13E-05	1.02E-05	4.66E-06	7.32E-06	0.00E+00	0.00E+00	1.92E-06	3.83E-07	2.43E-06	3.74E-07	5.67E-07	5.67E-06
46	486023.6	3855237	1.66E-02	1.79E-02	2.81E-02	5.75E-06	1.73E-05	1.00E-05	1.08E-05	9.81E-06	4.48E-06	7.03E-06	0.00E+00	0.00E+00	1.85E-06	3.67E-07	2.33E-06	3.59E-07	5.44E-07	5.45E-06
47	486073.6	3855237	1.59E-02	1.72E-02	2.69E-02	5.51E-06	1.66E-05	9.63E-06	1.04E-05	9.41E-06	4.29E-06	6.74E-06	0.00E+00	0.00E+00	1.77E-06	3.52E-07	2.24E-06	3.45E-07	5.22E-07	5.23E-06
48	486123.6	3855237	1.54E-02	1.66E-02	2.61E-02	5.33E-06	1.61E-05	9.31E-06	1.00E-05	9.10E-06	4.15E-06	6.52E-06	0.00E+00	0.00E+00	1.71E-06	3.41E-07	2.16E-06	3.33E-07	5.05E-07	5.05E-06
49	486173.6	3855237	1.49E-02	1.61E-02	2.53E-02	5.16E-06	1.56E-05	9.02E-06	9.73E-06	8.82E-06	4.02E-06	6.32E-06	0.00E+00	0.00E+00	1.66E-06	3.30E-07	2.09E-06	3.23E-07	4.89E-07	4.90E-06
50	486223.6	3855237	1.44E-02	1.56E-02	2.44E-02	5.00E-06	1.51E-05	8.73E-06	9.41E-06	8.53E-06	3.89E-06	6.12E-06	0.00E+00	0.00E+00	1.61E-06	3.19E-07	2.03E-06	3.13E-07	4.74E-07	4.74E-06

51	486273.6	3855237	1.38E-02	1.49E-02	2.34E-02	4.78E-06	1.44E-05	8.36E-06	9.01E-06	8.16E-06	3.73E-06	5.86E-06	0.00E+00	0.00E+00	1.54E-06	3.06E-07	1.94E-06	2.99E-07	4.53E-07	4.54E-06
52	486323.6	3855237	1.39E-02	1.50E-02	2.36E-02	4.82E-06	1.45E-05	8.42E-06	9.07E-06	8.22E-06	3.75E-06	5.90E-06	0.00E+00	0.00E+00	1.55E-06	3.08E-07	1.95E-06	3.01E-07	4.57E-07	4.57E-06
53	485973.6	3855287	1.83E-02	1.98E-02	3.10E-02	6.35E-06	1.92E-05	1.11E-05	1.20E-05	1.08E-05	4.95E-06	7.77E-06	0.00E+00	0.00E+00	2.04E-06	4.06E-07	2.58E-06	3.97E-07	6.01E-07	6.02E-06
54	486023.6	3855287	1.76E-02	1.89E-02	2.97E-02	6.08E-06	1.83E-05	1.06E-05	1.14E-05	1.04E-05	4.73E-06	7.43E-06	0.00E+00	0.00E+00	1.95E-06	3.88E-07	2.47E-06	3.80E-07	5.76E-07	5.76E-06
55	486073.6	3855287	1.69E-02	1.82E-02	2.86E-02	5.85E-06	1.77E-05	1.02E-05	1.10E-05	9.98E-06	4.55E-06	7.15E-06	0.00E+00	0.00E+00	1.88E-06	3.74E-07	2.37E-06	3.66E-07	5.54E-07	5.54E-06
56	486123.6	3855287	1.62E-02	1.75E-02	2.75E-02	5.62E-06	1.70E-05	9.82E-06	1.06E-05	9.59E-06	4.38E-06	6.87E-06	0.00E+00	0.00E+00	1.81E-06	3.59E-07	2.28E-06	3.51E-07	5.32E-07	5.33E-06
57	486173.6	3855287	1.56E-02	1.69E-02	2.65E-02	5.41E-06	1.63E-05	9.46E-06	1.02E-05	9.25E-06	4.22E-06	6.63E-06	0.00E+00	0.00E+00	1.74E-06	3.46E-07	2.20E-06	3.39E-07	5.13E-07	5.14E-06
58	486223.6	3855287	1.52E-02	1.64E-02	2.57E-02	5.26E-06	1.59E-05	9.19E-06	9.91E-06	8.98E-06	4.10E-06	6.44E-06	0.00E+00	0.00E+00	1.69E-06	3.36E-07	2.13E-06	3.29E-07	4.99E-07	4.99E-06
59	486123.6	3855337	1.71E-02	1.84E-02	2.89E-02	5.91E-06	1.78E-05	1.03E-05	1.11E-05	1.01E-05	4.60E-06	7.23E-06	0.00E+00	0.00E+00	1.90E-06	3.78E-07	2.40E-06	3.70E-07	5.60E-07	5.61E-06
60	486173.6	3855337	1.65E-02	1.78E-02	2.80E-02	5.72E-06	1.73E-05	1.00E-05	1.08E-05	9.77E-06	4.46E-06	7.01E-06	0.00E+00	0.00E+00	1.84E-06	3.66E-07	2.32E-06	3.58E-07	5.42E-07	5.43E-06
61	486223.6	3855337	1.60E-02	1.72E-02	2.71E-02	5.53E-06	1.67E-05	9.67E-06	1.04E-05	9.44E-06	4.31E-06	6.77E-06	0.00E+00	0.00E+00	1.78E-06	3.54E-07	2.24E-06	3.46E-07	5.25E-07	5.25E-06
62	486123.6	3855387	1.80E-02	1.94E-02	3.05E-02	6.23E-06	1.88E-05	1.09E-05	1.17E-05	1.06E-05	4.85E-06	7.63E-06	0.00E+00	0.00E+00	2.00E-06	3.98E-07	2.53E-06	3.90E-07	5.91E-07	5.91E-06
63	486173.6	3855387	1.74E-02	1.87E-02	2.95E-02	6.02E-06	1.82E-05	1.05E-05	1.13E-05	1.03E-05	4.69E-06	7.38E-06	0.00E+00	0.00E+00	1.94E-06	3.85E-07	2.44E-06	3.77E-07	5.71E-07	5.71E-06
64	486223.6	3855387	1.69E-02	1.82E-02	2.86E-02	5.84E-06	1.76E-05	1.02E-05	1.10E-05	9.97E-06	4.55E-06	7.15E-06	0.00E+00	0.00E+00	1.88E-06	3.73E-07	2.37E-06	3.65E-07	5.54E-07	5.54E-06
65	486533.2	3855443	1.52E-02	1.63E-02	2.58E-02	5.25E-06	1.58E-05	9.17E-06	9.89E-06	8.96E-06	4.09E-06	6.44E-06	0.00E+00	0.00E+00	1.69E-06	3.36E-07	2.13E-06	3.28E-07	4.99E-07	4.98E-06
66	486583.2	3855443	1.47E-02	1.59E-02	2.51E-02	5.11E-06	1.54E-05	8.92E-06	9.62E-06	8.72E-06	3.98E-06	6.27E-06	0.00E+00	0.00E+00	1.64E-06	3.27E-07	2.07E-06	3.20E-07	4.86E-07	4.85E-06
67	486633.2	3855443	1.44E-02	1.55E-02	2.44E-02	4.97E-06	1.50E-05	8.69E-06	9.37E-06	8.49E-06	3.88E-06	6.11E-06	0.00E+00	0.00E+00	1.60E-06	3.18E-07	2.02E-06	3.11E-07	4.73E-07	4.72E-06
68	486683.2	3855443	1.41E-02	1.52E-02	2.40E-02	4.88E-06	1.47E-05	8.52E-06	9.19E-06	8.33E-06	3.80E-06	5.99E-06	0.00E+00	0.00E+00	1.57E-06	3.12E-07	1.98E-06	3.05E-07	4.64E-07	4.63E-06
69	486533.2	3855493	1.58E-02	1.71E-02	2.69E-02	5.48E-06	1.65E-05	9.58E-06	1.03E-05	9.36E-06	4.27E-06	6.74E-06	0.00E+00	0.00E+00	1.76E-06	3.51E-07	2.22E-06	3.43E-07	5.22E-07	5.20E-06
70	486583.2	3855493	1.54E-02	1.66E-02	2.62E-02	5.34E-06	1.61E-05	9.34E-06	1.01E-05	9.13E-06	4.17E-06	6.57E-06	0.00E+00	0.00E+00	1.72E-06	3.42E-07	2.17E-06	3.35E-07	5.09E-07	5.07E-06
71	486633.2	3855493	1.50E-02	1.62E-02	2.56E-02	5.20E-06	1.57E-05	9.10E-06	9.81E-06	8.89E-06	4.06E-06	6.40E-06	0.00E+00	0.00E+00	1.67E-06	3.33E-07	2.11E-06	3.26E-07	4.96E-07	4.94E-06
72	486683.2	3855493	1.47E-02	1.58E-02	2.49E-02	5.07E-06	1.53E-05	8.87E-06	9.56E-06	8.67E-06	3.96E-06	6.24E-06	0.00E+00	0.00E+00	1.63E-06	3.25E-07	2.06E-06	3.18E-07	4.83E-07	4.82E-06
73	486533.2	3855543	1.66E-02	1.79E-02	2.82E-02	5.74E-06	1.73E-05	1.00E-05	1.08E-05	9.82E-06	4.48E-06	7.07E-06	0.00E+00	0.00E+00	1.85E-06	3.68E-07	2.33E-06	3.60E-07	5.47E-07	5.45E-06
74	486583.2	3855543	1.60E-02	1.73E-02	2.73E-02	5.55E-06	1.68E-05	9.71E-06	1.05E-05	9.49E-06	4.33E-06	6.83E-06	0.00E+00	0.00E+00	1.79E-06	3.55E-07	2.25E-06	3.48E-07	5.29E-07	5.27E-06
75	486633.2	3855543	1.56E-02	1.69E-02	2.66E-02	5.42E-06	1.64E-05	9.47E-06	1.02E-05	9.26E-06	4.22E-06	6.67E-06	0.00E+00	0.00E+00	1.74E-06	3.47E-07	2.20E-06	3.39E-07	5.16E-07	5.14E-06
76	486683.2	3855543	1.51E-02	1.63E-02	2.58E-02	5.24E-06	1.58E-05	9.16E-06	9.88E-06	8.95E-06	4.09E-06	6.45E-06	0.00E+00	0.00E+00	1.68E-06	3.35E-07	2.13E-06	3.28E-07	4.99E-07	4.97E-06
77	486533.2	3855593	1.73E-02	1.87E-02	2.95E-02	5.99E-06	1.81E-05	1.05E-05	1.13E-05	1.02E-05	4.67E-06	7.37E-06	0.00E+00	0.00E+00	1.93E-06	3.83E-07	2.43E-06	3.75E-07	5.71E-07	5.69E-06
78	486583.2	3855593	1.68E-02	1.81E-02	2.85E-02	5.80E-06	1.75E-05	1.01E-05	1.09E-05	9.92E-06	4.53E-06	7.15E-06	0.00E+00	0.00E+00	1.87E-06	3.71E-07	2.36E-06	3.63E-07	5.53E-07	5.51E-06
79	486633.2	3855593	1.63E-02	1.76E-02	2.77E-02	5.64E-06	1.70E-05	9.86E-06	1.06E-05	9.64E-06	4.40E-06	6.94E-06	0.00E+00	0.00E+00	1.81E-06	3.61E-07	2.29E-06	3.53E-07	5.38E-07	5.36E-06
80	486683.2	3855593	1.59E-02	1.72E-02	2.71E-02	5.51E-06	1.66E-05	9.62E-06	1.04E-05	9.41E-06	4.29E-06	6.78E-06	0.00E+00	0.00E+00	1.77E-06	3.52E-07	2.24E-06	3.45E-07	5.25E-07	5.23E-06
81	486533.2	3855643	1.81E-02	1.95E-02	3.08E-02	6.25E-06	1.89E-05	1.09E-05	1.18E-05	1.07E-05	4.88E-06	7.70E-06	0.00E+00	0.00E+00	2.01E-06	4.00E-07	2.54E-06	3.92E-07	5.96E-07	5.94E-06
82	486583.2	3855643	1.75E-02	1.89E-02	2.99E-02	6.07E-06	1.83E-05	1.06E-05	1.14E-05	1.04E-05	4.73E-06	7.47E-06	0.00E+00	0.00E+00	1.95E-06	3.88E-07	2.46E-06	3.80E-07	5.79E-07	5.76E-06
83	486633.2	3855643	1.70E-02	1.83E-02	2.90E-02	5.89E-06	1.78E-05	1.03E-05	1.11E-05	1.01E-05	4.59E-06	7.26E-06	0.00E+00	0.00E+00	1.89E-06	3.77E-07	2.39E-06	3.69E-07	5.62E-07	5.59E-06
84	486683.2	3855643	1.66E-02	1.79E-02	2.82E-02	5.73E-06	1.73E-05	1.00E-05	1.08E-05	9.80E-06	4.47E-06	7.06E-06	0.00E+00	0.00E+00	1.84E-06	3.67E-07	2.33E-06	3.59E-07	5.47E-07	5.44E-06
85	486533.2	3855693	1.89E-02	2.04E-02	3.23E-02	6.56E-06	1.98E-05	1.15E-05	1.24E-05	1.12E-05	5.12E-06	8.09E-06	0.00E+00	0.00E+00	2.11E-06	4.20E-07	2.66E-06	4.11E-07	6.26E-07	6.23E-06
86	486583.2	3855693	1.82E-02	1.97E-02	3.11E-02	6.31E-06	1.91E-05	1.10E-05	1.19E-05	1.08E-05	4.92E-06	7.78E-06	0.00E+00	0.00E+00	2.03E-06	4.04E-07	2.56E-06	3.95E-07	6.03E-07	5.99E-06
87	486633.2	3855693	1.75E-02	1.89E-02	2.99E-02	6.07E-06	1.83E-05	1.06E-05	1.15E-05	1.04E-05	4.74E-06	7.49E-06	0.00E+00	0.00E+00	1.95E-06	3.89E-07	2.47E-06	3.80E-07	5.80E-07	5.77E-06
88	486683.2	3855693	1.72E-02	1.86E-02	2.94E-02	5.96E-06	1.80E-05	1.04E-05	1.12E-05	1.02E-05	4.65E-06	7.35E-06	0.00E+00	0.00E+00	1.92E-06	3.82E-07	2.42E-06	3.73E-07	5.69E-07	5.66E-06
89	486733.2	3855693	1.71E-02	1.84E-02	2.91E-02	5.90E-06	1.78E-05	1.03E-05	1.11E-05	1.01E-05	4.60E-06	7.28E-06	0.00E+00	0.00E+00	1.90E-06	3.78E-07	2.40E-06	3.70E-07	5.64E-07	5.61E-06
90	486783.2	3855693	1.70E-02	1.83E-02	2.89E-02	5.87E-06	1.77E-05	1.03E-05	1.11E-05	1.00E-05	4.58E-06	7.24E-06	0.00E+00	0.00E+00	1.89E-06	3.76E-07	2.38E-06	3.68E-07	5.61E-07	5.58E-06
91	486533.2	3855743	1.98E-02	2.13E-02	3.37E-02	6.84E-06	2.07E-05	1.20E-05	1.29E-05	1.17E-05	5.34E-06	8.44E-06	0.00E+00	0.00E+00	2.20E-06	4.38E-07	2.78E-06	4.28E-07	6.54E-07	6.50E-06
92	486583.2	3855743	1.89E-02	2.04E-02	3.22E-02	6.54E-06	1.97E-05	1.14E-05	1.23E-05	1.12E-05	5.10E-06	8.07E-06	0.00E+00	0.00E+00	2.10E-06	4.18E-07	2.65E-06	4.09E-07	6.25E-07	6.21E-06
93	486633.2	3855743	1.83E-02	1.97E-02	3.12E-02	6.33E-06	1.91E-05	1.11E-05	1.19E-05	1.08E-05	4.93E-06	7.81E-06	0.00E+00	0.00E+00	2.03E-06	4.05E-07	2.57E-06	3.96E-07	6.04E-07	6.01E-06
94	486683.2	3855743	1.80E-02	1.95E-02	3.08E-02	6.24E-06	1.88E-05	1.09E-05	1.18E-05	1.07E-05	4.87E-06	7.70E-06	0.00E+00	0.00E+00	2.01E-06	4.00E-07	2.54E-06	3.91E-07	5.97E-07	5.93E-06
95	486733.2	3855743	1.77E-02	1.91E-02	3.02E-02	6.12E-06	1.85E-05	1.07E-05	1.15E-05	1.05E-05	4.77E-06	7.56E-06	0.00E+00	0.00E+00	1.97E-06	3.92E-07	2.49E-06	3.83E-07	5.85E-07	5.81E-06
96	486783.2	3855743	1.77E-02	1.91E-02	3.02E-02	6.12E-06	1.85E-05	1.07E-05	1.15E-05	1.05E-05	4.77E-06	7.55E-06	0.00E+00	0.00E+00	1.97E-06	3.91E-07	2.48E-06	3.83E-07	5.85E-07	5.81E-06
97	486533.2	3855793	2.06E-02	2.23E-02	3.52E-02	7.14E-06	2.16E-05	1.25E-05	1.35E-05	1.22E-05	5.57E-06	8.82E-06	0.00E+00	0.00E+00	2.30E-06	4.57E-07	2.90E-06	4.47E-07	6.83E-07	6.78E-06
98	486583.2	3855793	1.95E-02	2.10E-02	3.33E-02	6.74E-06	2.04E-05	1.18E-05	1.27E-05	1.15E-05	5.26E-06	8.33E-06	0.00E+00	0.00E+00	2.17E-06	4.32E-07	2.74E-06	4.22E-07	6.45E-07	6.41E-06
99	486633.2	3855793	1.92E-02	2.07E-02	3.28E-02	6.64E-06	2.00E-05	1.16E-05	1.25E-05	1.14E-05	5.18E-06	8.20E-06	0.00E+00	0.00E+00	2.14E-06	4.25E-07	2.70E-06	4.16E-07	6.35E-07	6.31E-06
100	486683.2	3855793	1.89E-02	2.04E-02	3.24E-02	6.55E-06	1.98E-05	1.15E-05	1.24E-05	1.12E-05	5.11E-06	8.10E-06	0.00E+00	0.00E+00	2.11E-06	4.19E-07	2.66E-06	4.10E-07	6.27E-07	6.23E-06
101	486733.2	3855793	1.86E-02	2.01E-02	3.18E-02	6.44E-06	1.94E-05	1.13E-05	1.21E-05	1.10E-05	5.03E-06	7.96E-06	0.00E+00	0.00E+00	2.07E-06	4.12E-07	2.62E-06	4.04E-07	6.16E-07	6.12E-06
102	486783.2	3855793	1.84E-02	1.98E-02	3.14E-02	6.35E-06	1.92E-05	1.11E-05	1.20E-05	1.09E-05	4.96E-06	7.85E-06	0.00E+00	0.00E+00	2.04E-06	4.07E-07	2.58E-06	3.98E-07	6.08E-07	6.04E-06
103	486533.2	3855843	2.13E-02	2.30E-02	3.64E-02	7.37E-06	2.23E-05	1.29E-05	1.39E-05	1.26E-05	5.75E-06	9.12E-06	0.00E+00	0.00E+00	2.37E-06	4.72E-07	3.00E-06	4.62E-07	7.06E-07	7.01E-06
104	486583.2	3855843	2.03E-02	2.20E-02	3.48E-02	7.04E-06	2.13E-05	1.23E-05	1.33E-05	1.20E-05	5.49E-06	8.70E-06	0.00E+00	0.00E+00	2.26E-06	4.51E-07	2.86E-06	4.41E-07	6.74E-07	6.69E-06
105	486633.2	3855843	2.00E-02	2.16E-02	3.43E-02	6.94E-06	2.09E-05	1.21E-05	1.31E-05	1.19E-05	5.41E-06	8.58E-06	0.00E+00	0.00E+00	2.23E-06	4.44E-07	2.82E-06	4.35E-07	6.64E-07	6.59E-06
106	486683.2	3855843	1.98E-02	2.13E-02	3.38E-02	6.84E-06	2.07E-05	1.20E-05	1.29E-05	1.17E-05	5.34E-06	8.46E-06	0.00E+00	0.00E+00	2.20E-06	4.38E-07	2.78E-06	4.29E-07	6.55E-07	6.50E-06
107	486733.2	3855843	1.95E-02	2.10E-02	3.33E-02	6.74E-06	2.04E-05	1.18E-05	1.27E-05	1.15E-05	5.26E-06	8.34E-06	0.00E+00	0.00E+00	2.17E-06	4.32E-07	2.74E-06	4.23E-07	6.46E-07	6.41E-06

108	486783.2	3855843	1.92E-02	2.07E-02	3.28E-02	6.64E-06	2.00E-05	1.16E-05	1.25E-05	1.14E-05	5.18E-06	8.21E-06	0.00E+00	0.00E+00	2.13E-06	4.25E-07	2.70E-06	4.16E-07	6.36E-07	6.31E-06
109	486533.2	3855893	2.17E-02	2.34E-02	3.72E-02	7.52E-06	2.27E-05	1.31E-05	1.42E-05	1.29E-05	5.87E-06	9.30E-06	0.00E+00	0.00E+00	2.42E-06	4.81E-07	3.06E-06	4.71E-07	7.20E-07	7.15E-06
110	486583.2	3855893	2.13E-02	2.30E-02	3.65E-02	7.38E-06	2.23E-05	1.29E-05	1.39E-05	1.26E-05	5.76E-06	9.14E-06	0.00E+00	0.00E+00	2.37E-06	4.73E-07	3.00E-06	4.63E-07	7.08E-07	7.02E-06
111	486633.2	3855893	2.09E-02	2.26E-02	3.58E-02	7.24E-06	2.19E-05	1.27E-05	1.37E-05	1.24E-05	5.65E-06	8.97E-06	0.00E+00	0.00E+00	2.33E-06	4.64E-07	2.94E-06	4.54E-07	6.94E-07	6.88E-06
112	486683.2	3855893	2.06E-02	2.22E-02	3.53E-02	7.14E-06	2.15E-05	1.25E-05	1.35E-05	1.22E-05	5.57E-06	8.83E-06	0.00E+00	0.00E+00	2.29E-06	4.57E-07	2.90E-06	4.47E-07	6.84E-07	6.78E-06
113	486733.2	3855893	2.03E-02	2.19E-02	3.48E-02	7.03E-06	2.12E-05	1.23E-05	1.33E-05	1.20E-05	5.49E-06	8.71E-06	0.00E+00	0.00E+00	2.26E-06	4.50E-07	2.86E-06	4.41E-07	6.74E-07	6.68E-06
114	486783.2	3855893	2.01E-02	2.17E-02	3.44E-02	6.95E-06	2.10E-05	1.22E-05	1.31E-05	1.19E-05	5.43E-06	8.61E-06	0.00E+00	0.00E+00	2.24E-06	4.45E-07	2.83E-06	4.36E-07	6.67E-07	6.61E-06
115	486533.2	3855943	2.26E-02	2.44E-02	3.87E-02	7.81E-06	2.36E-05	1.37E-05	1.47E-05	1.34E-05	6.10E-06	9.68E-06	0.00E+00	0.00E+00	2.51E-06	5.00E-07	3.17E-06	4.90E-07	7.49E-07	7.43E-06
116	486583.2	3855943	2.24E-02	2.41E-02	3.83E-02	7.74E-06	2.34E-05	1.35E-05	1.46E-05	1.32E-05	6.04E-06	9.59E-06	0.00E+00	0.00E+00	2.49E-06	4.96E-07	3.15E-06	4.85E-07	7.43E-07	7.36E-06
117	486633.2	3855943	2.19E-02	2.36E-02	3.75E-02	7.56E-06	2.28E-05	1.32E-05	1.43E-05	1.29E-05	5.90E-06	9.37E-06	0.00E+00	0.00E+00	2.43E-06	4.84E-07	3.07E-06	4.74E-07	7.26E-07	7.19E-06
118	486683.2	3855943	2.16E-02	2.33E-02	3.70E-02	7.47E-06	2.26E-05	1.31E-05	1.41E-05	1.28E-05	5.83E-06	9.26E-06	0.00E+00	0.00E+00	2.40E-06	4.79E-07	3.04E-06	4.68E-07	7.17E-07	7.10E-06
119	486733.2	3855943	2.12E-02	2.29E-02	3.63E-02	7.33E-06	2.21E-05	1.28E-05	1.38E-05	1.25E-05	5.72E-06	9.09E-06	0.00E+00	0.00E+00	2.36E-06	4.70E-07	2.98E-06	4.60E-07	7.04E-07	6.97E-06
120	486783.2	3855943	2.10E-02	2.26E-02	3.60E-02	7.26E-06	2.19E-05	1.27E-05	1.37E-05	1.24E-05	5.66E-06	9.00E-06	0.00E+00	0.00E+00	2.33E-06	4.65E-07	2.95E-06	4.55E-07	6.97E-07	6.90E-06
121	486533.2	3855993	2.36E-02	2.55E-02	4.06E-02	8.19E-06	2.47E-05	1.43E-05	1.54E-05	1.40E-05	6.39E-06	1.02E-05	0.00E+00	0.00E+00	2.63E-06	5.24E-07	3.33E-06	5.13E-07	7.86E-07	7.78E-06
122	486583.2	3855993	2.33E-02	2.51E-02	3.99E-02	8.05E-06	2.43E-05	1.41E-05	1.52E-05	1.38E-05	6.28E-06	9.98E-06	0.00E+00	0.00E+00	2.59E-06	5.16E-07	3.27E-06	5.04E-07	7.73E-07	7.65E-06
123	486633.2	3855993	2.28E-02	2.46E-02	3.92E-02	7.90E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.17E-06	9.80E-06	0.00E+00	0.00E+00	2.54E-06	5.06E-07	3.21E-06	4.95E-07	7.59E-07	7.51E-06
124	486683.2	3855993	2.25E-02	2.43E-02	3.87E-02	7.80E-06	2.35E-05	1.36E-05	1.47E-05	1.33E-05	6.09E-06	9.67E-06	0.00E+00	0.00E+00	2.51E-06	4.99E-07	3.17E-06	4.89E-07	7.49E-07	7.41E-06
125	486733.2	3855993	2.21E-02	2.39E-02	3.80E-02	7.66E-06	2.31E-05	1.34E-05	1.45E-05	1.31E-05	5.98E-06	9.51E-06	0.00E+00	0.00E+00	2.46E-06	4.91E-07	3.11E-06	4.80E-07	7.36E-07	7.28E-06
126	486783.2	3855993	2.18E-02	2.36E-02	3.74E-02	7.55E-06	2.28E-05	1.32E-05	1.43E-05	1.29E-05	5.90E-06	9.37E-06	0.00E+00	0.00E+00	2.43E-06	4.84E-07	3.07E-06	4.73E-07	7.26E-07	7.18E-06
127	486533.2	3856043	2.47E-02	2.67E-02	4.24E-02	8.55E-06	2.58E-05	1.49E-05	1.61E-05	1.46E-05	6.67E-06	1.06E-05	0.00E+00	0.00E+00	2.75E-06	5.48E-07	3.48E-06	5.36E-07	8.22E-07	8.13E-06
128	486583.2	3856043	2.44E-02	2.63E-02	4.18E-02	8.43E-06	2.55E-05	1.47E-05	1.59E-05	1.44E-05	6.58E-06	1.05E-05	0.00E+00	0.00E+00	2.71E-06	5.40E-07	3.43E-06	5.28E-07	8.10E-07	8.02E-06
129	486633.2	3856043	2.38E-02	2.57E-02	4.09E-02	8.25E-06	2.49E-05	1.44E-05	1.56E-05	1.41E-05	6.44E-06	1.02E-05	0.00E+00	0.00E+00	2.65E-06	5.29E-07	3.35E-06	5.17E-07	7.93E-07	7.85E-06
130	486683.2	3856043	2.35E-02	2.54E-02	4.04E-02	8.15E-06	2.46E-05	1.42E-05	1.54E-05	1.39E-05	6.36E-06	1.01E-05	0.00E+00	0.00E+00	2.62E-06	5.22E-07	3.31E-06	5.11E-07	7.84E-07	7.75E-06
131	486733.2	3856043	2.31E-02	2.49E-02	3.96E-02	7.99E-06	2.41E-05	1.40E-05	1.51E-05	1.37E-05	6.23E-06	9.92E-06	0.00E+00	0.00E+00	2.57E-06	5.12E-07	3.25E-06	5.01E-07	7.68E-07	7.60E-06
132	486783.2	3856043	2.28E-02	2.47E-02	3.92E-02	7.90E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.17E-06	9.82E-06	0.00E+00	0.00E+00	2.54E-06	5.06E-07	3.21E-06	4.95E-07	7.60E-07	7.52E-06
133	486533.2	3856093	2.59E-02	2.80E-02	4.46E-02	8.98E-06	2.71E-05	1.57E-05	1.69E-05	1.54E-05	7.01E-06	1.12E-05	0.00E+00	0.00E+00	2.89E-06	5.75E-07	3.65E-06	5.63E-07	8.64E-07	8.54E-06
134	486583.2	3856093	2.54E-02	2.75E-02	4.37E-02	8.80E-06	2.66E-05	1.54E-05	1.66E-05	1.51E-05	6.87E-06	1.09E-05	0.00E+00	0.00E+00	2.83E-06	5.64E-07	3.58E-06	5.52E-07	8.47E-07	8.37E-06
135	486633.2	3856093	2.49E-02	2.69E-02	4.28E-02	8.63E-06	2.61E-05	1.51E-05	1.63E-05	1.48E-05	6.74E-06	1.07E-05	0.00E+00	0.00E+00	2.77E-06	5.53E-07	3.51E-06	5.41E-07	8.30E-07	8.21E-06
136	486683.2	3856093	2.46E-02	2.65E-02	4.22E-02	8.50E-06	2.57E-05	1.49E-05	1.60E-05	1.45E-05	6.64E-06	1.06E-05	0.00E+00	0.00E+00	2.73E-06	5.45E-07	3.46E-06	5.33E-07	8.18E-07	8.08E-06
137	486733.2	3856093	2.41E-02	2.60E-02	4.14E-02	8.34E-06	2.52E-05	1.46E-05	1.58E-05	1.43E-05	6.51E-06	1.04E-05	0.00E+00	0.00E+00	2.68E-06	5.35E-07	3.39E-06	5.23E-07	8.03E-07	7.94E-06
138	486783.2	3856093	2.38E-02	2.57E-02	4.09E-02	8.23E-06	2.49E-05	1.44E-05	1.55E-05	1.41E-05	6.43E-06	1.02E-05	0.00E+00	0.00E+00	2.65E-06	5.28E-07	3.35E-06	5.16E-07	7.93E-07	7.83E-06
139	486533.2	3856143	2.71E-02	2.93E-02	4.66E-02	9.39E-06	2.83E-05	1.64E-05	1.77E-05	1.61E-05	7.33E-06	1.17E-05	0.00E+00	0.00E+00	3.02E-06	6.01E-07	3.82E-06	5.88E-07	9.04E-07	8.93E-06
140	486583.2	3856143	2.65E-02	2.86E-02	4.55E-02	9.16E-06	2.77E-05	1.60E-05	1.73E-05	1.57E-05	7.16E-06	1.14E-05	0.00E+00	0.00E+00	2.95E-06	5.87E-07	3.73E-06	5.75E-07	8.83E-07	8.72E-06
141	486633.2	3856143	2.60E-02	2.81E-02	4.48E-02	9.02E-06	2.72E-05	1.58E-05	1.70E-05	1.54E-05	7.04E-06	1.12E-05	0.00E+00	0.00E+00	2.90E-06	5.78E-07	3.67E-06	5.65E-07	8.68E-07	8.58E-06
142	486683.2	3856143	2.56E-02	2.76E-02	4.40E-02	8.86E-06	2.67E-05	1.55E-05	1.67E-05	1.52E-05	6.92E-06	1.10E-05	0.00E+00	0.00E+00	2.85E-06	5.68E-07	3.60E-06	5.55E-07	8.53E-07	8.43E-06
143	486733.2	3856143	2.52E-02	2.72E-02	4.33E-02	8.71E-06	2.63E-05	1.52E-05	1.64E-05	1.49E-05	6.80E-06	1.08E-05	0.00E+00	0.00E+00	2.80E-06	5.58E-07	3.54E-06	5.46E-07	8.39E-07	8.28E-06
144	486783.2	3856143	2.49E-02	2.69E-02	4.29E-02	8.62E-06	2.60E-05	1.51E-05	1.63E-05	1.48E-05	6.73E-06	1.07E-05	0.00E+00	0.00E+00	2.77E-06	5.53E-07	3.51E-06	5.41E-07	8.31E-07	8.20E-06
145	486533.2	3856193	2.85E-02	3.07E-02	4.90E-02	9.85E-06	2.97E-05	1.72E-05	1.86E-05	1.69E-05	7.69E-06	1.23E-05	0.00E+00	0.00E+00	3.17E-06	6.31E-07	4.01E-06	6.18E-07	9.50E-07	9.37E-06
146	486583.2	3856193	2.77E-02	2.99E-02	4.77E-02	9.58E-06	2.89E-05	1.67E-05	1.81E-05	1.64E-05	7.48E-06	1.19E-05	0.00E+00	0.00E+00	3.08E-06	6.14E-07	3.90E-06	6.01E-07	9.24E-07	9.11E-06
147	486633.2	3856193	2.72E-02	2.94E-02	4.68E-02	9.41E-06	2.84E-05	1.65E-05	1.78E-05	1.61E-05	7.35E-06	1.17E-05	0.00E+00	0.00E+00	3.03E-06	6.03E-07	3.83E-06	5.90E-07	9.08E-07	8.96E-06
148	486683.2	3856193	2.69E-02	2.90E-02	4.62E-02	9.30E-06	2.81E-05	1.62E-05	1.76E-05	1.59E-05	7.26E-06	1.16E-05	0.00E+00	0.00E+00	2.99E-06	5.96E-07	3.78E-06	5.83E-07	8.96E-07	8.84E-06
149	486733.2	3856193	2.63E-02	2.84E-02	4.53E-02	9.11E-06	2.75E-05	1.59E-05	1.72E-05	1.56E-05	7.11E-06	1.13E-05	0.00E+00	0.00E+00	2.93E-06	5.84E-07	3.70E-06	5.71E-07	8.78E-07	8.67E-06
150	486783.2	3856193	2.60E-02	2.81E-02	4.49E-02	9.02E-06	2.72E-05	1.58E-05	1.70E-05	1.54E-05	7.04E-06	1.12E-05	0.00E+00	0.00E+00	2.90E-06	5.78E-07	3.67E-06	5.65E-07	8.69E-07	8.58E-06
151	486533.2	3856243	2.98E-02	3.22E-02	5.13E-02	1.03E-05	3.11E-05	1.80E-05	1.95E-05	1.76E-05	8.05E-06	1.28E-05	0.00E+00	0.00E+00	3.31E-06	6.61E-07	4.19E-06	6.46E-07	9.95E-07	9.81E-06
152	486583.2	3856243	2.91E-02	3.14E-02	5.02E-02	1.01E-05	3.04E-05	1.76E-05	1.90E-05	1.72E-05	7.87E-06	1.26E-05	0.00E+00	0.00E+00	3.24E-06	6.46E-07	4.10E-06	6.32E-07	9.72E-07	9.59E-06
153	486633.2	3856243	2.85E-02	3.08E-02	4.91E-02	9.86E-06	2.98E-05	1.72E-05	1.86E-05	1.69E-05	7.70E-06	1.23E-05	0.00E+00	0.00E+00	3.17E-06	6.32E-07	4.01E-06	6.19E-07	9.52E-07	9.38E-06
154	486683.2	3856243	2.80E-02	3.03E-02	4.83E-02	9.69E-06	2.93E-05	1.69E-05	1.83E-05	1.66E-05	7.57E-06	1.21E-05	0.00E+00	0.00E+00	3.12E-06	6.21E-07	3.94E-06	6.08E-07	9.35E-07	9.22E-06
155	486733.2	3856243	2.76E-02	2.98E-02	4.76E-02	9.56E-06	2.89E-05	1.67E-05	1.80E-05	1.64E-05	7.46E-06	1.19E-05	0.00E+00	0.00E+00	3.07E-06	6.13E-07	3.89E-06	5.99E-07	9.22E-07	9.09E-06
156	486783.2	3856243	2.71E-02	2.93E-02	4.68E-02	9.39E-06	2.84E-05	1.64E-05	1.77E-05	1.61E-05	7.34E-06	1.17E-05	0.00E+00	0.00E+00	3.02E-06	6.02E-07	3.82E-06	5.89E-07	9.06E-07	8.94E-06
157	486533.2	3856293	3.13E-02	3.38E-02	5.39E-02	1.08E-05	3.27E-05	1.89E-05	2.04E-05	1.85E-05	8.45E-06	1.35E-05	0.00E+00	0.00E+00	3.48E-06	6.94E-07	4.40E-06	6.79E-07	1.05E-06	1.03E-05
158	486583.2	3856293	3.05E-02	3.29E-02	5.26E-02	1.06E-05	3.19E-05	1.85E-05	1.99E-05	1.81E-05	8.25E-06	1.32E-05	0.00E+00	0.00E+00	3.39E-06	6.77E-07	4.29E-06	6.62E-07	1.02E-06	1.00E-05
159	486633.2	3856293	2.99E-02	3.23E-02	5.15E-02	1.03E-05	3.12E-05	1.81E-05	1.95E-05	1.77E-05	8.08E-06	1.29E-05	0.00E+00	0.00E+00	3.32E-06	6.63E-07	4.20E-06	6.48E-07	9.98E-07	9.84E-06
160	486683.2	3856293	2.93E-02	3.17E-02	5.05E-02	1.01E-05	3.06E-05	1.77E-05	1.92E-05	1.74E-05	7.92E-06	1.26E-05	0.00E+00	0.00E+00	3.26E-06	6.50E-07	4.13E-06	6.36E-07	9.79E-07	9.65E-06
161	486733.2	3856293	2.89E-02	3.12E-02	4.99E-02	1.00E-05	3.02E-05	1.75E-05	1.89E-05	1.71E-05	7.82E-06	1.25E-05	0.00E+00	0.00E+00	3.22E-06	6.42E-07	4.07E-06	6.28E-07	9.67E-07	9.53E-06
162	486783.2	3856293	2.84E-02	3.07E-02	4.89E-02	9.83E-06	2.97E-05	1.72E-05	1.86E-05	1.68E-05	7.67E-06	1.23E-05	0.00E+00	0.00E+00	3.16E-06	6.30E-07	4.00E-06	6.16E-07	9.49E-07	9.35E-06
163	486783.2	3856343	2.98E-02	3.22E-02	5.15E-02	1.03E-05	3.12E-05	1.81E-05	1.95E-05	1.77E-05	8.07E-06	1.29E-05	0.00E+00	0.00E+00	3.32E-06	6.62E-07	4.20E-06	6.48E-07	9.98E-07	9.83E-06
164	486833.2	3856343	2.93E-02	3.17E-02	5.06E-02	1.02E-05	3.07E-05	1.78E-05	1.92E-05	1.74E-05	7.93E-06	1.27E-05	0.00E+00	0.00E+00	3.27E-06	6.51E-07	4.13E-06	6.37E-07	9.81E-07	9.67E-06

165	486883.2	3856343	2.89E-02	3.12E-02	4.98E-02	9.99E-06	3.02E-05	1.75E-05	1.89E-05	1.71E-05	7.81E-06	1.25E-05	0.00E+00	0.00E+00	3.21E-06	6.41E-07	4.06E-06	6.27E-07	9.65E-07	9.51E-06
166	486783.2	3856393	3.11E-02	3.37E-02	5.38E-02	1.08E-05	3.26E-05	1.88E-05	2.04E-05	1.85E-05	8.42E-06	1.35E-05	0.00E+00	0.00E+00	3.47E-06	6.91E-07	4.39E-06	6.76E-07	1.04E-06	1.03E-05
167	486833.2	3856393	3.06E-02	3.31E-02	5.29E-02	1.06E-05	3.20E-05	1.85E-05	2.00E-05	1.82E-05	8.28E-06	1.32E-05	0.00E+00	0.00E+00	3.41E-06	6.80E-07	4.31E-06	6.65E-07	1.02E-06	1.01E-05
168	486883.2	3856393	3.00E-02	3.24E-02	5.18E-02	1.04E-05	3.14E-05	1.82E-05	1.96E-05	1.78E-05	8.11E-06	1.30E-05	0.00E+00	0.00E+00	3.34E-06	6.66E-07	4.22E-06	6.51E-07	1.00E-06	9.88E-06
169	487208.7	3856886	4.04E-02	4.36E-02	6.99E-02	1.40E-05	4.22E-05	2.44E-05	2.64E-05	2.39E-05	1.09E-05	1.75E-05	0.00E+00	0.00E+00	4.49E-06	8.96E-07	5.69E-06	8.77E-07	1.35E-06	1.33E-05
170	487258.7	3856886	3.92E-02	4.24E-02	6.79E-02	1.36E-05	4.10E-05	2.37E-05	2.56E-05	2.32E-05	1.06E-05	1.70E-05	0.00E+00	0.00E+00	4.37E-06	8.70E-07	5.52E-06	8.52E-07	1.32E-06	1.29E-05
171	487308.7	3856886	3.81E-02	4.12E-02	6.60E-02	1.32E-05	3.99E-05	2.31E-05	2.49E-05	2.26E-05	1.03E-05	1.65E-05	0.00E+00	0.00E+00	4.25E-06	8.47E-07	5.37E-06	8.29E-07	1.28E-06	1.26E-05
172	487358.7	3856886	3.71E-02	4.01E-02	6.42E-02	1.28E-05	3.88E-05	2.24E-05	2.43E-05	2.20E-05	1.00E-05	1.61E-05	0.00E+00	0.00E+00	4.13E-06	8.23E-07	5.22E-06	8.06E-07	1.24E-06	1.22E-05
173	487208.7	3856936	4.23E-02	4.57E-02	7.33E-02	1.47E-05	4.42E-05	2.56E-05	2.77E-05	2.51E-05	1.14E-05	1.83E-05	0.00E+00	0.00E+00	4.71E-06	9.40E-07	5.96E-06	9.19E-07	1.42E-06	1.40E-05
174	487258.7	3856936	4.10E-02	4.44E-02	7.11E-02	1.42E-05	4.29E-05	2.48E-05	2.68E-05	2.43E-05	1.11E-05	1.78E-05	0.00E+00	0.00E+00	4.57E-06	9.11E-07	5.78E-06	8.92E-07	1.38E-06	1.35E-05
175	487308.7	3856936	3.99E-02	4.31E-02	6.91E-02	1.38E-05	4.17E-05	2.41E-05	2.61E-05	2.36E-05	1.08E-05	1.73E-05	0.00E+00	0.00E+00	4.44E-06	8.85E-07	5.62E-06	8.66E-07	1.34E-06	1.31E-05
176	487358.7	3856936	3.88E-02	4.19E-02	6.71E-02	1.34E-05	4.05E-05	2.34E-05	2.53E-05	2.30E-05	1.05E-05	1.68E-05	0.00E+00	0.00E+00	4.31E-06	8.60E-07	5.46E-06	8.42E-07	1.30E-06	1.28E-05
177	487208.7	3856986	4.44E-02	4.80E-02	7.70E-02	1.54E-05	4.64E-05	2.69E-05	2.91E-05	2.63E-05	1.20E-05	1.93E-05	0.00E+00	0.00E+00	4.95E-06	9.86E-07	6.26E-06	9.65E-07	1.49E-06	1.46E-05
178	487258.7	3856986	4.31E-02	4.66E-02	7.47E-02	1.49E-05	4.51E-05	2.61E-05	2.82E-05	2.56E-05	1.17E-05	1.87E-05	0.00E+00	0.00E+00	4.80E-06	9.57E-07	6.07E-06	9.36E-07	1.45E-06	1.42E-05
179	487308.7	3856986	4.17E-02	4.51E-02	7.23E-02	1.44E-05	4.36E-05	2.52E-05	2.73E-05	2.47E-05	1.13E-05	1.81E-05	0.00E+00	0.00E+00	4.64E-06	9.26E-07	5.88E-06	9.06E-07	1.40E-06	1.38E-05
180	487358.7	3856986	4.05E-02	4.38E-02	7.02E-02	1.40E-05	4.24E-05	2.45E-05	2.65E-05	2.40E-05	1.10E-05	1.76E-05	0.00E+00	0.00E+00	4.51E-06	9.00E-07	5.71E-06	8.81E-07	1.36E-06	1.34E-05
181	487208.7	3857036	4.67E-02	5.05E-02	8.10E-02	1.62E-05	4.88E-05	2.83E-05	3.06E-05	2.77E-05	1.26E-05	2.03E-05	0.00E+00	0.00E+00	5.20E-06	1.04E-06	6.58E-06	1.01E-06	1.57E-06	1.54E-05
182	487258.7	3857036	4.52E-02	4.88E-02	7.83E-02	1.56E-05	4.72E-05	2.73E-05	2.96E-05	2.68E-05	1.22E-05	1.96E-05	0.00E+00	0.00E+00	5.03E-06	1.00E-06	6.36E-06	9.82E-07	1.52E-06	1.49E-05
183	487308.7	3857036	4.38E-02	4.73E-02	7.59E-02	1.52E-05	4.58E-05	2.65E-05	2.86E-05	2.60E-05	1.18E-05	1.90E-05	0.00E+00	0.00E+00	4.87E-06	9.72E-07	6.17E-06	9.51E-07	1.47E-06	1.44E-05
184	487358.7	3857036	4.24E-02	4.59E-02	7.36E-02	1.47E-05	4.44E-05	2.57E-05	2.78E-05	2.52E-05	1.15E-05	1.84E-05	0.00E+00	0.00E+00	4.72E-06	9.42E-07	5.98E-06	9.22E-07	1.43E-06	1.40E-05
185	487427.1	3856878	3.56E-02	3.85E-02	6.17E-02	1.23E-05	3.73E-05	2.16E-05	2.33E-05	2.11E-05	9.64E-06	1.54E-05	0.00E+00	0.00E+00	3.97E-06	7.91E-07	5.02E-06	7.74E-07	1.20E-06	1.17E-05
186	487477.1	3856878	3.48E-02	3.76E-02	6.02E-02	1.20E-05	3.64E-05	2.11E-05	2.27E-05	2.06E-05	9.41E-06	1.51E-05	0.00E+00	0.00E+00	3.87E-06	7.72E-07	4.90E-06	7.56E-07	1.17E-06	1.15E-05
187	487527.1	3856878	3.39E-02	3.67E-02	5.87E-02	1.18E-05	3.55E-05	2.05E-05	2.22E-05	2.01E-05	9.18E-06	1.47E-05	0.00E+00	0.00E+00	3.78E-06	7.53E-07	4.78E-06	7.37E-07	1.14E-06	1.12E-05
188	487427.1	3856928	3.71E-02	4.01E-02	6.43E-02	1.29E-05	3.88E-05	2.25E-05	2.43E-05	2.20E-05	1.00E-05	1.61E-05	0.00E+00	0.00E+00	4.13E-06	8.24E-07	5.23E-06	8.07E-07	1.25E-06	1.22E-05
189	487477.1	3856928	3.61E-02	3.91E-02	6.25E-02	1.25E-05	3.78E-05	2.19E-05	2.36E-05	2.14E-05	9.78E-06	1.57E-05	0.00E+00	0.00E+00	4.02E-06	8.02E-07	5.09E-06	7.85E-07	1.21E-06	1.19E-05
190	487527.1	3856928	3.52E-02	3.81E-02	6.10E-02	1.22E-05	3.68E-05	2.13E-05	2.31E-05	2.09E-05	9.53E-06	1.53E-05	0.00E+00	0.00E+00	3.92E-06	7.82E-07	4.96E-06	7.66E-07	1.18E-06	1.16E-05
191	487577.1	3856928	3.44E-02	3.72E-02	5.95E-02	1.19E-05	3.59E-05	2.08E-05	2.25E-05	2.04E-05	9.30E-06	1.49E-05	0.00E+00	0.00E+00	3.83E-06	7.63E-07	4.84E-06	7.47E-07	1.15E-06	1.13E-05
192	487627.1	3856928	3.35E-02	3.62E-02	5.80E-02	1.16E-05	3.50E-05	2.03E-05	2.19E-05	1.99E-05	9.07E-06	1.45E-05	0.00E+00	0.00E+00	3.73E-06	7.44E-07	4.72E-06	7.28E-07	1.12E-06	1.10E-05
193	487677.1	3856928	3.28E-02	3.54E-02	5.67E-02	1.13E-05	3.43E-05	1.98E-05	2.14E-05	1.94E-05	8.86E-06	1.42E-05	0.00E+00	0.00E+00	3.65E-06	7.27E-07	4.62E-06	7.12E-07	1.10E-06	1.08E-05
194	487727.1	3856928	3.21E-02	3.46E-02	5.55E-02	1.11E-05	3.35E-05	1.94E-05	2.10E-05	1.90E-05	8.67E-06	1.39E-05	0.00E+00	0.00E+00	3.57E-06	7.12E-07	4.52E-06	6.96E-07	1.07E-06	1.06E-05
195	487777.1	3856928	3.13E-02	3.39E-02	5.42E-02	1.08E-05	3.27E-05	1.90E-05	2.05E-05	1.86E-05	8.47E-06	1.36E-05	0.00E+00	0.00E+00	3.49E-06	6.95E-07	4.41E-06	6.80E-07	1.05E-06	1.03E-05
196	487427.1	3856978	3.87E-02	4.18E-02	6.70E-02	1.34E-05	4.04E-05	2.34E-05	2.53E-05	2.29E-05	1.05E-05	1.68E-05	0.00E+00	0.00E+00	4.31E-06	8.59E-07	5.45E-06	8.40E-07	1.30E-06	1.28E-05
197	487477.1	3856978	3.76E-02	4.07E-02	6.52E-02	1.30E-05	3.93E-05	2.28E-05	2.46E-05	2.23E-05	1.02E-05	1.63E-05	0.00E+00	0.00E+00	4.19E-06	8.36E-07	5.30E-06	8.18E-07	1.26E-06	1.24E-05
198	487527.1	3856978	3.67E-02	3.96E-02	6.35E-02	1.27E-05	3.83E-05	2.22E-05	2.40E-05	2.17E-05	9.92E-06	1.59E-05	0.00E+00	0.00E+00	4.08E-06	8.14E-07	5.16E-06	7.96E-07	1.23E-06	1.21E-05
199	487577.1	3856978	3.57E-02	3.86E-02	6.18E-02	1.24E-05	3.73E-05	2.16E-05	2.34E-05	2.12E-05	9.66E-06	1.55E-05	0.00E+00	0.00E+00	3.98E-06	7.93E-07	5.03E-06	7.76E-07	1.20E-06	1.18E-05
200	487627.1	3856978	3.48E-02	3.76E-02	6.02E-02	1.20E-05	3.63E-05	2.10E-05	2.27E-05	2.06E-05	9.40E-06	1.51E-05	0.00E+00	0.00E+00	3.87E-06	7.72E-07	4.90E-06	7.55E-07	1.17E-06	1.15E-05
201	487677.1	3856978	3.39E-02	3.67E-02	5.88E-02	1.18E-05	3.55E-05	2.05E-05	2.22E-05	2.01E-05	9.18E-06	1.47E-05	0.00E+00	0.00E+00	3.78E-06	7.54E-07	4.78E-06	7.37E-07	1.14E-06	1.12E-05
202	487727.1	3856978	3.30E-02	3.57E-02	5.72E-02	1.14E-05	3.45E-05	2.00E-05	2.16E-05	1.96E-05	8.93E-06	1.43E-05	0.00E+00	0.00E+00	3.68E-06	7.33E-07	4.65E-06	7.17E-07	1.11E-06	1.09E-05
203	487777.1	3856978	3.24E-02	3.50E-02	5.61E-02	1.12E-05	3.39E-05	1.96E-05	2.12E-05	1.92E-05	8.77E-06	1.40E-05	0.00E+00	0.00E+00	3.61E-06	7.19E-07	4.56E-06	7.04E-07	1.09E-06	1.07E-05
204	487427.1	3857028	4.04E-02	4.37E-02	7.00E-02	1.40E-05	4.22E-05	2.45E-05	2.64E-05	2.40E-05	1.09E-05	1.75E-05	0.00E+00	0.00E+00	4.50E-06	8.97E-07	5.69E-06	8.78E-07	1.36E-06	1.33E-05
205	487477.1	3857028	3.93E-02	4.24E-02	6.80E-02	1.36E-05	4.10E-05	2.38E-05	2.57E-05	2.33E-05	1.06E-05	1.70E-05	0.00E+00	0.00E+00	4.37E-06	8.72E-07	5.53E-06	8.53E-07	1.32E-06	1.29E-05
206	487527.1	3857028	3.81E-02	4.12E-02	6.61E-02	1.32E-05	3.99E-05	2.31E-05	2.49E-05	2.26E-05	1.03E-05	1.65E-05	0.00E+00	0.00E+00	4.25E-06	8.47E-07	5.37E-06	8.29E-07	1.28E-06	1.26E-05
207	487577.1	3857028	3.71E-02	4.01E-02	6.43E-02	1.28E-05	3.88E-05	2.25E-05	2.43E-05	2.20E-05	1.00E-05	1.61E-05	0.00E+00	0.00E+00	4.13E-06	8.24E-07	5.23E-06	8.06E-07	1.25E-06	1.22E-05
208	487627.1	3857028	3.61E-02	3.90E-02	6.25E-02	1.25E-05	3.77E-05	2.18E-05	2.36E-05	2.14E-05	9.76E-06	1.56E-05	0.00E+00	0.00E+00	4.02E-06	8.01E-07	5.08E-06	7.84E-07	1.21E-06	1.19E-05
209	487677.1	3857028	3.52E-02	3.80E-02	6.09E-02	1.22E-05	3.68E-05	2.13E-05	2.30E-05	2.08E-05	9.51E-06	1.52E-05	0.00E+00	0.00E+00	3.91E-06	7.81E-07	4.95E-06	7.64E-07	1.18E-06	1.16E-05
210	487727.1	3857028	3.43E-02	3.71E-02	5.95E-02	1.19E-05	3.59E-05	2.08E-05	2.25E-05	2.04E-05	9.29E-06	1.49E-05	0.00E+00	0.00E+00	3.82E-06	7.62E-07	4.84E-06	7.46E-07	1.15E-06	1.13E-05
211	487777.1	3857028	3.35E-02	3.62E-02	5.80E-02	1.16E-05	3.50E-05	2.03E-05	2.19E-05	1.99E-05	9.06E-06	1.45E-05	0.00E+00	0.00E+00	3.73E-06	7.44E-07	4.72E-06	7.28E-07	1.12E-06	1.10E-05
212	487427.1	3857078	4.23E-02	4.57E-02	7.33E-02	1.46E-05	4.42E-05	2.56E-05	2.76E-05	2.51E-05	1.14E-05	1.83E-05	0.00E+00	0.00E+00	4.70E-06	9.38E-07	5.95E-06	9.18E-07	1.42E-06	1.39E-05
213	487477.1	3857078	4.09E-02	4.43E-02	7.10E-02	1.42E-05	4.28E-05	2.48E-05	2.68E-05	2.43E-05	1.11E-05	1.78E-05	0.00E+00	0.00E+00	4.56E-06	9.09E-07	5.77E-06	8.90E-07	1.38E-06	1.35E-05
214	487527.1	3857078	3.97E-02	4.30E-02	6.89E-02	1.38E-05	4.15E-05	2.40E-05	2.60E-05	2.36E-05	1.08E-05	1.72E-05	0.00E+00	0.00E+00	4.42E-06	8.82E-07	5.60E-06	8.63E-07	1.34E-06	1.31E-05
215	487577.1	3857078	3.86E-02	4.17E-02	6.69E-02	1.34E-05	4.03E-05	2.34E-05	2.52E-05	2.29E-05	1.04E-05	1.67E-05	0.00E+00	0.00E+00	4.30E-06	8.57E-07	5.44E-06	8.39E-07	1.30E-06	1.27E-05
216	487627.1	3857078	3.75E-02	4.05E-02	6.50E-02	1.30E-05	3.92E-05	2.27E-05	2.45E-05	2.22E-05	1.01E-05	1.63E-05	0.00E+00	0.00E+00	4.17E-06	8.32E-07	5.28E-06	8.14E-07	1.26E-06	1.24E-05
217	487677.1	3857078	3.65E-02	3.94E-02	6.32E-02	1.26E-05	3.81E-05	2.21E-05	2.39E-05	2.16E-05	9.87E-06	1.58E-05	0.00E+00	0.00E+00	4.06E-06	8.10E-07	5.14E-06	7.93E-07	1.23E-06	1.20E-05
218	487727.1	3857078	3.55E-02	3.84E-02	6.16E-02	1.23E-05	3.72E-05	2.15E-05	2.32E-05	2.11E-05	9.62E-06	1.54E-05	0.00E+00	0.00E+00	3.96E-06	7.89E-07	5.01E-06	7.72E-07	1.19E-06	1.17E-05
219	487777.1	3857078	3.46E-02	3.74E-02	6.00E-02	1.20E-05	3.62E-05	2.09E-05	2.26E-05	2.05E-05	9.36E-06	1.50E-05	0.00E+00	0.00E+00	3.85E-06	7.68E-07	4.88E-06	7.52E-07	1.16E-06	1.14E-05
220	487427.1	3857128	4.42E-02	4.78E-02	7.68E-02	1.53E-05	4.62E-05	2.68E-05	2.89E-05	2.62E-05	1.20E-05	1.92E-05	0.00E+00	0.00E+00	4.93E-06	9.82E-07	6.23E-06	9.61E-07	1.49E-06	1.46E-05
221	487477.1	3857128	4.28E-02	4.62E-02	7.42E-02	1.48E-05	4.47E-05	2.59E-05	2.80E-05	2.54E-05	1.16E-05	1.86E-05	0.00E+00	0.00E+00	4.76E-06	9.50E-07	6.03E-06	9.29E-07	1.44E-06	1.41E-05

222	487527.1	3857128	4.14E-02	4.48E-02	7.18E-02	1.43E-05	4.33E-05	2.51E-05	2.71E-05	2.45E-05	1.12E-05	1.80E-05	0.00E+00	0.00E+00	4.61E-06	9.19E-07	5.83E-06	8.99E-07	1.39E-06	1.37E-05
223	487577.1	3857128	4.02E-02	4.34E-02	6.96E-02	1.39E-05	4.20E-05	2.43E-05	2.63E-05	2.38E-05	1.09E-05	1.74E-05	0.00E+00	0.00E+00	4.47E-06	8.91E-07	5.66E-06	8.72E-07	1.35E-06	1.32E-05
224	487627.1	3857128	3.90E-02	4.21E-02	6.76E-02	1.35E-05	4.07E-05	2.36E-05	2.55E-05	2.31E-05	1.05E-05	1.69E-05	0.00E+00	0.00E+00	4.34E-06	8.65E-07	5.49E-06	8.47E-07	1.31E-06	1.29E-05
225	487677.1	3857128	3.78E-02	4.09E-02	6.56E-02	1.31E-05	3.96E-05	2.29E-05	2.47E-05	2.24E-05	1.02E-05	1.64E-05	0.00E+00	0.00E+00	4.21E-06	8.40E-07	5.33E-06	8.22E-07	1.27E-06	1.25E-05
226	487727.1	3857128	3.68E-02	3.98E-02	6.39E-02	1.28E-05	3.85E-05	2.23E-05	2.41E-05	2.18E-05	9.97E-06	1.60E-05	0.00E+00	0.00E+00	4.10E-06	8.18E-07	5.19E-06	8.00E-07	1.24E-06	1.21E-05
227	487777.1	3857128	3.58E-02	3.87E-02	6.21E-02	1.24E-05	3.74E-05	2.17E-05	2.34E-05	2.12E-05	9.69E-06	1.55E-05	0.00E+00	0.00E+00	3.99E-06	7.95E-07	5.05E-06	7.78E-07	1.20E-06	1.18E-05
228	488049.4	3856539	2.26E-02	2.44E-02	3.89E-02	7.81E-06	2.36E-05	1.36E-05	1.47E-05	1.34E-05	6.10E-06	9.74E-06	0.00E+00	0.00E+00	2.51E-06	5.01E-07	3.18E-06	4.90E-07	7.54E-07	7.43E-06
229	488099.4	3856539	2.22E-02	2.39E-02	3.82E-02	7.67E-06	2.32E-05	1.34E-05	1.45E-05	1.31E-05	5.99E-06	9.57E-06	0.00E+00	0.00E+00	2.47E-06	4.92E-07	3.12E-06	4.81E-07	7.41E-07	7.30E-06
230	488149.4	3856539	2.18E-02	2.36E-02	3.76E-02	7.55E-06	2.28E-05	1.32E-05	1.43E-05	1.29E-05	5.90E-06	9.42E-06	0.00E+00	0.00E+00	2.43E-06	4.84E-07	3.07E-06	4.74E-07	7.29E-07	7.19E-06
231	488049.4	3856589	2.32E-02	2.51E-02	4.00E-02	8.03E-06	2.42E-05	1.40E-05	1.52E-05	1.37E-05	6.27E-06	1.00E-05	0.00E+00	0.00E+00	2.58E-06	5.15E-07	3.27E-06	5.04E-07	7.76E-07	7.64E-06
232	488099.4	3856589	2.28E-02	2.46E-02	3.93E-02	7.89E-06	2.38E-05	1.38E-05	1.49E-05	1.35E-05	6.16E-06	9.84E-06	0.00E+00	0.00E+00	2.54E-06	5.06E-07	3.21E-06	4.95E-07	7.62E-07	7.51E-06
233	488149.4	3856589	2.24E-02	2.42E-02	3.87E-02	7.76E-06	2.34E-05	1.36E-05	1.46E-05	1.33E-05	6.06E-06	9.68E-06	0.00E+00	0.00E+00	2.49E-06	4.97E-07	3.16E-06	4.87E-07	7.49E-07	7.38E-06
234	488199.4	3856589	2.20E-02	2.38E-02	3.80E-02	7.62E-06	2.30E-05	1.33E-05	1.44E-05	1.30E-05	5.95E-06	9.51E-06	0.00E+00	0.00E+00	2.45E-06	4.89E-07	3.10E-06	4.78E-07	7.36E-07	7.25E-06
235	488249.4	3856589	2.17E-02	2.35E-02	3.75E-02	7.52E-06	2.27E-05	1.32E-05	1.42E-05	1.29E-05	5.88E-06	9.39E-06	0.00E+00	0.00E+00	2.42E-06	4.82E-07	3.06E-06	4.72E-07	7.27E-07	7.16E-06
236	488049.4	3856639	2.38E-02	2.58E-02	4.12E-02	8.25E-06	2.49E-05	1.44E-05	1.56E-05	1.41E-05	6.45E-06	1.03E-05	0.00E+00	0.00E+00	2.65E-06	5.29E-07	3.36E-06	5.18E-07	7.98E-07	7.86E-06
237	488099.4	3856639	2.34E-02	2.53E-02	4.04E-02	8.11E-06	2.45E-05	1.42E-05	1.53E-05	1.39E-05	6.33E-06	1.01E-05	0.00E+00	0.00E+00	2.61E-06	5.20E-07	3.30E-06	5.08E-07	7.83E-07	7.72E-06
238	488149.4	3856639	2.30E-02	2.49E-02	3.97E-02	7.96E-06	2.40E-05	1.39E-05	1.50E-05	1.36E-05	6.22E-06	9.94E-06	0.00E+00	0.00E+00	2.56E-06	5.11E-07	3.24E-06	5.00E-07	7.70E-07	7.58E-06
239	488199.4	3856639	2.26E-02	2.45E-02	3.91E-02	7.84E-06	2.37E-05	1.37E-05	1.48E-05	1.34E-05	6.12E-06	9.78E-06	0.00E+00	0.00E+00	2.52E-06	5.02E-07	3.19E-06	4.92E-07	7.57E-07	7.46E-06
240	488249.4	3856639	2.23E-02	2.41E-02	3.85E-02	7.71E-06	2.33E-05	1.35E-05	1.46E-05	1.32E-05	6.02E-06	9.62E-06	0.00E+00	0.00E+00	2.48E-06	4.94E-07	3.14E-06	4.84E-07	7.45E-07	7.34E-06
241	488299.4	3856639	2.19E-02	2.37E-02	3.78E-02	7.59E-06	2.29E-05	1.33E-05	1.43E-05	1.30E-05	5.93E-06	9.47E-06	0.00E+00	0.00E+00	2.44E-06	4.87E-07	3.09E-06	4.76E-07	7.33E-07	7.22E-06
242	488349.4	3856639	2.16E-02	2.33E-02	3.72E-02	7.46E-06	2.25E-05	1.30E-05	1.41E-05	1.28E-05	5.83E-06	9.31E-06	0.00E+00	0.00E+00	2.40E-06	4.78E-07	3.04E-06	4.68E-07	7.21E-07	7.10E-06
243	488399.4	3856639	2.13E-02	2.30E-02	3.67E-02	7.36E-06	2.22E-05	1.29E-05	1.39E-05	1.26E-05	5.75E-06	9.18E-06	0.00E+00	0.00E+00	2.37E-06	4.72E-07	2.99E-06	4.62E-07	7.11E-07	7.00E-06
244	488099.4	3856689	2.41E-02	2.60E-02	4.16E-02	8.33E-06	2.52E-05	1.46E-05	1.57E-05	1.43E-05	6.51E-06	1.04E-05	0.00E+00	0.00E+00	2.68E-06	5.34E-07	3.39E-06	5.23E-07	8.05E-07	7.93E-06
245	488149.4	3856689	2.36E-02	2.55E-02	4.08E-02	8.18E-06	2.47E-05	1.43E-05	1.55E-05	1.40E-05	6.39E-06	1.02E-05	0.00E+00	0.00E+00	2.63E-06	5.24E-07	3.33E-06	5.13E-07	7.91E-07	7.79E-06
246	488199.4	3856689	2.32E-02	2.51E-02	4.01E-02	8.05E-06	2.43E-05	1.41E-05	1.52E-05	1.38E-05	6.29E-06	1.00E-05	0.00E+00	0.00E+00	2.59E-06	5.16E-07	3.27E-06	5.05E-07	7.78E-07	7.66E-06
247	488249.4	3856689	2.28E-02	2.47E-02	3.94E-02	7.90E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.17E-06	9.87E-06	0.00E+00	0.00E+00	2.54E-06	5.07E-07	3.21E-06	4.96E-07	7.64E-07	7.52E-06
248	488299.4	3856689	2.25E-02	2.43E-02	3.88E-02	7.78E-06	2.35E-05	1.36E-05	1.47E-05	1.33E-05	6.08E-06	9.72E-06	0.00E+00	0.00E+00	2.50E-06	4.99E-07	3.17E-06	4.88E-07	7.52E-07	7.41E-06
249	488349.4	3856689	2.21E-02	2.39E-02	3.82E-02	7.65E-06	2.31E-05	1.34E-05	1.45E-05	1.31E-05	5.98E-06	9.55E-06	0.00E+00	0.00E+00	2.46E-06	4.91E-07	3.11E-06	4.80E-07	7.40E-07	7.28E-06
250	488399.4	3856689	2.17E-02	2.34E-02	3.75E-02	7.51E-06	2.27E-05	1.31E-05	1.42E-05	1.29E-05	5.87E-06	9.38E-06	0.00E+00	0.00E+00	2.42E-06	4.82E-07	3.06E-06	4.71E-07	7.26E-07	7.15E-06
251	488099.4	3856739	2.48E-02	2.67E-02	4.28E-02	8.57E-06	2.59E-05	1.50E-05	1.62E-05	1.47E-05	6.69E-06	1.07E-05	0.00E+00	0.00E+00	2.76E-06	5.49E-07	3.49E-06	5.38E-07	8.28E-07	8.16E-06
252	488149.4	3856739	2.43E-02	2.62E-02	4.19E-02	8.40E-06	2.54E-05	1.47E-05	1.59E-05	1.44E-05	6.56E-06	1.05E-05	0.00E+00	0.00E+00	2.70E-06	5.39E-07	3.42E-06	5.27E-07	8.12E-07	8.00E-06
253	488199.4	3856739	2.39E-02	2.58E-02	4.12E-02	8.26E-06	2.50E-05	1.44E-05	1.56E-05	1.41E-05	6.46E-06	1.03E-05	0.00E+00	0.00E+00	2.66E-06	5.30E-07	3.36E-06	5.18E-07	7.99E-07	7.87E-06
254	488249.4	3856739	2.34E-02	2.53E-02	4.05E-02	8.11E-06	2.45E-05	1.42E-05	1.53E-05	1.39E-05	6.34E-06	1.01E-05	0.00E+00	0.00E+00	2.61E-06	5.20E-07	3.30E-06	5.09E-07	7.84E-07	7.72E-06
255	488299.4	3856739	2.30E-02	2.48E-02	3.97E-02	7.96E-06	2.40E-05	1.39E-05	1.50E-05	1.36E-05	6.21E-06	9.93E-06	0.00E+00	0.00E+00	2.56E-06	5.10E-07	3.24E-06	4.99E-07	7.69E-07	7.57E-06
256	488349.4	3856739	2.27E-02	2.45E-02	3.91E-02	7.84E-06	2.37E-05	1.37E-05	1.48E-05	1.34E-05	6.13E-06	9.79E-06	0.00E+00	0.00E+00	2.52E-06	5.03E-07	3.19E-06	4.92E-07	7.58E-07	7.46E-06
257	488399.4	3856739	2.23E-02	2.41E-02	3.85E-02	7.72E-06	2.33E-05	1.35E-05	1.46E-05	1.32E-05	6.03E-06	9.65E-06	0.00E+00	0.00E+00	2.48E-06	4.95E-07	3.14E-06	4.85E-07	7.47E-07	7.35E-06
258	487999.4	3856789	2.63E-02	2.85E-02	4.55E-02	9.12E-06	2.75E-05	1.59E-05	1.72E-05	1.56E-05	7.12E-06	1.14E-05	0.00E+00	0.00E+00	2.93E-06	5.85E-07	3.71E-06	5.72E-07	8.82E-07	8.68E-06
259	488049.4	3856789	2.59E-02	2.79E-02	4.47E-02	8.95E-06	2.70E-05	1.56E-05	1.69E-05	1.53E-05	6.99E-06	1.12E-05	0.00E+00	0.00E+00	2.88E-06	5.74E-07	3.64E-06	5.61E-07	8.65E-07	8.52E-06
260	488099.4	3856789	2.54E-02	2.75E-02	4.39E-02	8.80E-06	2.66E-05	1.54E-05	1.66E-05	1.51E-05	6.87E-06	1.10E-05	0.00E+00	0.00E+00	2.83E-06	5.64E-07	3.58E-06	5.52E-07	8.51E-07	8.37E-06
261	488149.4	3856789	2.49E-02	2.69E-02	4.31E-02	8.63E-06	2.61E-05	1.51E-05	1.63E-05	1.48E-05	6.74E-06	1.08E-05	0.00E+00	0.00E+00	2.77E-06	5.53E-07	3.51E-06	5.41E-07	8.34E-07	8.21E-06
262	488199.4	3856789	2.45E-02	2.65E-02	4.23E-02	8.48E-06	2.56E-05	1.48E-05	1.60E-05	1.45E-05	6.62E-06	1.06E-05	0.00E+00	0.00E+00	2.73E-06	5.43E-07	3.45E-06	5.32E-07	8.20E-07	8.07E-06
263	488249.4	3856789	2.40E-02	2.60E-02	4.15E-02	8.32E-06	2.51E-05	1.45E-05	1.57E-05	1.42E-05	6.50E-06	1.04E-05	0.00E+00	0.00E+00	2.68E-06	5.33E-07	3.38E-06	5.22E-07	8.05E-07	7.92E-06
264	488299.4	3856789	2.36E-02	2.55E-02	4.07E-02	8.16E-06	2.46E-05	1.43E-05	1.54E-05	1.40E-05	6.38E-06	1.02E-05	0.00E+00	0.00E+00	2.62E-06	5.23E-07	3.32E-06	5.12E-07	7.89E-07	7.77E-06
265	488349.4	3856789	2.32E-02	2.51E-02	4.01E-02	8.04E-06	2.43E-05	1.40E-05	1.52E-05	1.38E-05	6.28E-06	1.00E-05	0.00E+00	0.00E+00	2.58E-06	5.15E-07	3.27E-06	5.04E-07	7.77E-07	7.65E-06
266	488399.4	3856789	2.28E-02	2.47E-02	3.95E-02	7.91E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.18E-06	9.88E-06	0.00E+00	0.00E+00	2.54E-06	5.07E-07	3.22E-06	4.96E-07	7.65E-07	7.53E-06
267	487949.4	3856839	2.76E-02	2.98E-02	4.77E-02	9.56E-06	2.89E-05	1.67E-05	1.81E-05	1.64E-05	7.47E-06	1.19E-05	0.00E+00	0.00E+00	3.07E-06	6.13E-07	3.89E-06	6.00E-07	9.25E-07	9.10E-06
268	487999.4	3856839	2.71E-02	2.93E-02	4.68E-02	9.38E-06	2.83E-05	1.64E-05	1.77E-05	1.61E-05	7.32E-06	1.17E-05	0.00E+00	0.00E+00	3.01E-06	6.01E-07	3.81E-06	5.88E-07	9.07E-07	8.92E-06
269	488049.4	3856839	2.66E-02	2.87E-02	4.59E-02	9.19E-06	2.78E-05	1.61E-05	1.74E-05	1.57E-05	7.18E-06	1.15E-05	0.00E+00	0.00E+00	2.96E-06	5.89E-07	3.74E-06	5.77E-07	8.89E-07	8.75E-06
270	488099.4	3856839	2.61E-02	2.82E-02	4.51E-02	9.02E-06	2.72E-05	1.58E-05	1.70E-05	1.55E-05	7.05E-06	1.13E-05	0.00E+00	0.00E+00	2.90E-06	5.79E-07	3.67E-06	5.66E-07	8.73E-07	8.59E-06
271	488149.4	3856839	2.56E-02	2.77E-02	4.42E-02	8.86E-06	2.67E-05	1.55E-05	1.67E-05	1.52E-05	6.92E-06	1.11E-05	0.00E+00	0.00E+00	2.85E-06	5.68E-07	3.60E-06	5.56E-07	8.57E-07	8.43E-06
272	488199.4	3856839	2.51E-02	2.71E-02	4.34E-02	8.70E-06	2.63E-05	1.52E-05	1.64E-05	1.49E-05	6.79E-06	1.09E-05	0.00E+00	0.00E+00	2.80E-06	5.58E-07	3.54E-06	5.46E-07	8.41E-07	8.28E-06
273	487949.4	3856889	2.84E-02	3.07E-02	4.91E-02	9.83E-06	2.97E-05	1.72E-05	1.86E-05	1.68E-05	7.68E-06	1.23E-05	0.00E+00	0.00E+00	3.16E-06	6.30E-07	4.00E-06	6.17E-07	9.52E-07	9.36E-06
274	487999.4	3856889	2.79E-02	3.01E-02	4.82E-02	9.65E-06	2.91E-05	1.69E-05	1.82E-05	1.65E-05	7.54E-06	1.21E-05	0.00E+00	0.00E+00	3.10E-06	6.19E-07	3.92E-06	6.05E-07	9.34E-07	9.18E-06
275	488049.4	3856889	2.73E-02	2.95E-02	4.72E-02	9.44E-06	2.85E-05	1.65E-05	1.78E-05	1.62E-05	7.38E-06	1.18E-05	0.00E+00	0.00E+00	3.04E-06	6.05E-07	3.84E-06	5.92E-07	9.14E-07	8.99E-06
276	488099.4	3856889	2.68E-02	2.89E-02	4.63E-02	9.27E-06	2.80E-05	1.62E-05	1.75E-05	1.59E-05	7.24E-06	1.16E-05	0.00E+00	0.00E+00	2.98E-06	5.94E-07	3.77E-06	5.81E-07	8.97E-07	8.82E-06
277	488635.9	3857895	3.02E-02	3.27E-02	5.27E-02	1.05E-05	3.16E-05	1.83E-05	1.98E-05	1.79E-05	8.18E-06	1.32E-05	0.00E+00	0.00E+00	3.37E-06	6.72E-07	4.26E-06	6.57E-07	1.02E-06	9.98E-06
278	489137.6	3857804	2.27E-02	2.46E-02	3.95E-02	7.86E-06	2.37E-05	1.37E-05	1.49E-05	1.35E-05	6.15E-06	9.89E-06	0.00E+00	0.00E+00	2.53E-06	5.05E-07	3.20E-06	4.94E-07	7.66E-07	7.50E-06

279	488617.3	3857859	3.04E-02	3.29E-02	5.29E-02	1.05E-05	3.18E-05	1.84E-05	1.99E-05	1.80E-05	8.23E-06	1.33E-05	0.00E+00	0.00E+00	3.38E-06	6.75E-07	4.28E-06	6.61E-07	1.03E-06	1.00E-05
280	488667.3	3857859	2.95E-02	3.19E-02	5.14E-02	1.02E-05	3.08E-05	1.78E-05	1.93E-05	1.75E-05	7.98E-06	1.29E-05	0.00E+00	0.00E+00	3.28E-06	6.55E-07	4.16E-06	6.41E-07	9.95E-07	9.73E-06
281	488717.3	3857859	2.86E-02	3.10E-02	4.98E-02	9.91E-06	2.99E-05	1.73E-05	1.87E-05	1.70E-05	7.75E-06	1.25E-05	0.00E+00	0.00E+00	3.19E-06	6.36E-07	4.03E-06	6.22E-07	9.66E-07	9.44E-06
282	488767.3	3857859	2.78E-02	3.00E-02	4.83E-02	9.61E-06	2.90E-05	1.68E-05	1.82E-05	1.65E-05	7.51E-06	1.21E-05	0.00E+00	0.00E+00	3.09E-06	6.17E-07	3.91E-06	6.03E-07	9.36E-07	9.16E-06
283	488617.3	3857909	3.07E-02	3.32E-02	5.35E-02	1.06E-05	3.21E-05	1.86E-05	2.01E-05	1.82E-05	8.30E-06	1.34E-05	0.00E+00	0.00E+00	3.41E-06	6.81E-07	4.32E-06	6.67E-07	1.04E-06	1.01E-05
284	488667.3	3857909	2.97E-02	3.21E-02	5.16E-02	1.03E-05	3.10E-05	1.79E-05	1.94E-05	1.76E-05	8.03E-06	1.29E-05	0.00E+00	0.00E+00	3.30E-06	6.59E-07	4.18E-06	6.45E-07	1.00E-06	9.79E-06
285	488717.3	3857909	2.88E-02	3.12E-02	5.02E-02	9.97E-06	3.01E-05	1.74E-05	1.89E-05	1.71E-05	7.80E-06	1.26E-05	0.00E+00	0.00E+00	3.21E-06	6.40E-07	4.06E-06	6.26E-07	9.72E-07	9.51E-06
286	488767.3	3857909	2.79E-02	3.02E-02	4.86E-02	9.66E-06	2.92E-05	1.69E-05	1.83E-05	1.66E-05	7.56E-06	1.22E-05	0.00E+00	0.00E+00	3.11E-06	6.20E-07	3.93E-06	6.07E-07	9.42E-07	9.21E-06
287	488417.3	3857959	3.58E-02	3.87E-02	6.25E-02	1.24E-05	3.74E-05	2.17E-05	2.34E-05	2.12E-05	9.70E-06	1.57E-05	0.00E+00	0.00E+00	3.99E-06	7.96E-07	5.05E-06	7.79E-07	1.21E-06	1.18E-05
288	488467.3	3857959	3.44E-02	3.73E-02	6.01E-02	1.19E-05	3.60E-05	2.08E-05	2.26E-05	2.04E-05	9.33E-06	1.50E-05	0.00E+00	0.00E+00	3.83E-06	7.65E-07	4.86E-06	7.49E-07	1.16E-06	1.14E-05
289	488517.3	3857959	3.32E-02	3.59E-02	5.79E-02	1.15E-05	3.47E-05	2.01E-05	2.17E-05	1.97E-05	8.98E-06	1.45E-05	0.00E+00	0.00E+00	3.69E-06	7.37E-07	4.68E-06	7.21E-07	1.12E-06	1.10E-05
290	488567.3	3857959	3.20E-02	3.46E-02	5.57E-02	1.11E-05	3.34E-05	1.94E-05	2.09E-05	1.90E-05	8.66E-06	1.40E-05	0.00E+00	0.00E+00	3.56E-06	7.11E-07	4.51E-06	6.95E-07	1.08E-06	1.06E-05
291	488617.3	3857959	3.09E-02	3.34E-02	5.38E-02	1.07E-05	3.23E-05	1.87E-05	2.02E-05	1.83E-05	8.37E-06	1.35E-05	0.00E+00	0.00E+00	3.44E-06	6.87E-07	4.36E-06	6.72E-07	1.04E-06	1.02E-05
292	488667.3	3857959	2.99E-02	3.23E-02	5.21E-02	1.04E-05	3.13E-05	1.81E-05	1.96E-05	1.77E-05	8.09E-06	1.30E-05	0.00E+00	0.00E+00	3.33E-06	6.64E-07	4.21E-06	6.50E-07	1.01E-06	9.87E-06
293	488717.3	3857959	2.89E-02	3.13E-02	5.04E-02	1.00E-05	3.02E-05	1.75E-05	1.89E-05	1.72E-05	7.83E-06	1.26E-05	0.00E+00	0.00E+00	3.22E-06	6.43E-07	4.08E-06	6.29E-07	9.76E-07	9.54E-06
294	488767.3	3857959	2.80E-02	3.03E-02	4.88E-02	9.70E-06	2.93E-05	1.70E-05	1.83E-05	1.66E-05	7.59E-06	1.22E-05	0.00E+00	0.00E+00	3.12E-06	6.23E-07	3.95E-06	6.09E-07	9.46E-07	9.25E-06
295	488417.3	3858009	3.63E-02	3.93E-02	6.35E-02	1.26E-05	3.80E-05	2.20E-05	2.38E-05	2.16E-05	9.84E-06	1.59E-05	0.00E+00	0.00E+00	4.05E-06	8.08E-07	5.13E-06	7.90E-07	1.23E-06	1.20E-05
296	488467.3	3858009	3.49E-02	3.77E-02	6.09E-02	1.21E-05	3.65E-05	2.11E-05	2.28E-05	2.07E-05	9.44E-06	1.52E-05	0.00E+00	0.00E+00	3.88E-06	7.75E-07	4.92E-06	7.58E-07	1.18E-06	1.15E-05
297	488517.3	3858009	3.35E-02	3.63E-02	5.84E-02	1.16E-05	3.50E-05	2.03E-05	2.19E-05	1.99E-05	9.08E-06	1.46E-05	0.00E+00	0.00E+00	3.73E-06	7.45E-07	4.73E-06	7.29E-07	1.13E-06	1.11E-05
298	488567.3	3858009	3.23E-02	3.49E-02	5.62E-02	1.12E-05	3.37E-05	1.95E-05	2.11E-05	1.91E-05	8.73E-06	1.41E-05	0.00E+00	0.00E+00	3.59E-06	7.17E-07	4.55E-06	7.01E-07	1.09E-06	1.06E-05
299	488617.3	3858009	3.11E-02	3.37E-02	5.42E-02	1.08E-05	3.25E-05	1.88E-05	2.04E-05	1.85E-05	8.43E-06	1.36E-05	0.00E+00	0.00E+00	3.47E-06	6.92E-07	4.39E-06	6.77E-07	1.05E-06	1.03E-05
300	488667.3	3858009	3.01E-02	3.25E-02	5.24E-02	1.04E-05	3.14E-05	1.82E-05	1.97E-05	1.78E-05	8.14E-06	1.31E-05	0.00E+00	0.00E+00	3.35E-06	6.68E-07	4.24E-06	6.54E-07	1.01E-06	9.92E-06
301	488717.3	3858009	2.91E-02	3.14E-02	5.06E-02	1.01E-05	3.04E-05	1.76E-05	1.90E-05	1.72E-05	7.86E-06	1.27E-05	0.00E+00	0.00E+00	3.23E-06	6.45E-07	4.10E-06	6.32E-07	9.80E-07	9.59E-06
302	488767.3	3858009	2.81E-02	3.04E-02	4.89E-02	9.73E-06	2.94E-05	1.70E-05	1.84E-05	1.67E-05	7.61E-06	1.22E-05	0.00E+00	0.00E+00	3.13E-06	6.24E-07	3.96E-06	6.11E-07	9.48E-07	9.27E-06
303	488417.3	3858059	3.69E-02	3.99E-02	6.44E-02	1.28E-05	3.85E-05	2.23E-05	2.41E-05	2.19E-05	9.99E-06	1.61E-05	0.00E+00	0.00E+00	4.10E-06	8.19E-07	5.20E-06	8.02E-07	1.25E-06	1.22E-05
304	488467.3	3858059	3.53E-02	3.82E-02	6.15E-02	1.22E-05	3.69E-05	2.14E-05	2.31E-05	2.09E-05	9.56E-06	1.54E-05	0.00E+00	0.00E+00	3.93E-06	7.84E-07	4.98E-06	7.67E-07	1.19E-06	1.16E-05
305	488517.3	3858059	3.38E-02	3.66E-02	5.90E-02	1.17E-05	3.54E-05	2.05E-05	2.22E-05	2.01E-05	9.16E-06	1.48E-05	0.00E+00	0.00E+00	3.77E-06	7.52E-07	4.77E-06	7.36E-07	1.14E-06	1.12E-05
306	488567.3	3858059	3.25E-02	3.52E-02	5.66E-02	1.13E-05	3.40E-05	1.97E-05	2.13E-05	1.93E-05	8.80E-06	1.42E-05	0.00E+00	0.00E+00	3.62E-06	7.22E-07	4.58E-06	7.06E-07	1.10E-06	1.07E-05
307	488617.3	3858059	3.13E-02	3.38E-02	5.44E-02	1.08E-05	3.27E-05	1.89E-05	2.05E-05	1.85E-05	8.46E-06	1.36E-05	0.00E+00	0.00E+00	3.48E-06	6.94E-07	4.41E-06	6.79E-07	1.05E-06	1.03E-05
308	488667.3	3858059	3.01E-02	3.26E-02	5.25E-02	1.04E-05	3.15E-05	1.82E-05	1.97E-05	1.79E-05	8.16E-06	1.31E-05	0.00E+00	0.00E+00	3.36E-06	6.70E-07	4.25E-06	6.55E-07	1.02E-06	9.95E-06
309	488417.3	3858109	3.75E-02	4.06E-02	6.55E-02	1.30E-05	3.92E-05	2.27E-05	2.46E-05	2.23E-05	1.02E-05	1.64E-05	0.00E+00	0.00E+00	4.17E-06	8.33E-07	5.29E-06	8.16E-07	1.27E-06	1.24E-05
310	488467.3	3858109	3.57E-02	3.87E-02	6.24E-02	1.24E-05	3.74E-05	2.16E-05	2.34E-05	2.12E-05	9.68E-06	1.56E-05	0.00E+00	0.00E+00	3.98E-06	7.94E-07	5.04E-06	7.77E-07	1.21E-06	1.18E-05
311	488517.3	3858109	3.41E-02	3.69E-02	5.95E-02	1.18E-05	3.57E-05	2.07E-05	2.23E-05	2.03E-05	9.24E-06	1.49E-05	0.00E+00	0.00E+00	3.80E-06	7.58E-07	4.81E-06	7.42E-07	1.15E-06	1.13E-05
312	488567.3	3858109	3.27E-02	3.54E-02	5.69E-02	1.13E-05	3.42E-05	1.98E-05	2.14E-05	1.94E-05	8.85E-06	1.42E-05	0.00E+00	0.00E+00	3.64E-06	7.26E-07	4.61E-06	7.11E-07	1.10E-06	1.08E-05
313	488617.3	3858109	3.13E-02	3.39E-02	5.45E-02	1.09E-05	3.28E-05	1.90E-05	2.05E-05	1.86E-05	8.48E-06	1.36E-05	0.00E+00	0.00E+00	3.49E-06	6.96E-07	4.42E-06	6.81E-07	1.06E-06	1.03E-05
314	488667.3	3858109	3.02E-02	3.26E-02	5.25E-02	1.04E-05	3.15E-05	1.83E-05	1.97E-05	1.79E-05	8.16E-06	1.31E-05	0.00E+00	0.00E+00	3.36E-06	6.70E-07	4.25E-06	6.56E-07	1.02E-06	9.95E-06
315	488769.9	3858449	2.28E-02	2.45E-02	3.83E-02	7.88E-06	2.38E-05	1.38E-05	1.48E-05	1.34E-05	6.13E-06	9.60E-06	0.00E+00	0.00E+00	2.53E-06	5.03E-07	3.19E-06	4.93E-07	7.43E-07	7.47E-06
316	488819.9	3858449	2.19E-02	2.36E-02	3.70E-02	7.60E-06	2.29E-05	1.33E-05	1.43E-05	1.30E-05	5.92E-06	9.26E-06	0.00E+00	0.00E+00	2.44E-06	4.86E-07	3.08E-06	4.75E-07	7.17E-07	7.20E-06
317	488819.9	3858499	2.08E-02	2.24E-02	3.46E-02	7.20E-06	2.17E-05	1.26E-05	1.35E-05	1.23E-05	5.60E-06	8.65E-06	0.00E+00	0.00E+00	2.32E-06	4.59E-07	2.92E-06	4.50E-07	6.70E-07	6.81E-06
318	488869.9	3858499	2.01E-02	2.17E-02	3.35E-02	6.97E-06	2.11E-05	1.22E-05	1.31E-05	1.19E-05	5.42E-06	8.39E-06	0.00E+00	0.00E+00	2.24E-06	4.45E-07	2.82E-06	4.35E-07	6.50E-07	6.60E-06
319	488869.9	3858549	1.92E-02	2.06E-02	3.14E-02	6.63E-06	2.00E-05	1.16E-05	1.24E-05	1.13E-05	5.15E-06	7.85E-06	0.00E+00	0.00E+00	2.13E-06	4.23E-07	2.68E-06	4.13E-07	6.08E-07	6.26E-06
320	489438.2	3859571	4.45E-03	4.80E-03	7.52E-03	1.54E-06	4.66E-06	2.69E-06	2.90E-06	2.63E-06	1.20E-06	1.88E-06	0.00E+00	0.00E+00	4.96E-07	9.86E-08	6.25E-07	9.64E-08	1.46E-07	1.46E-06
321	489488.2	3859571	4.43E-03	4.77E-03	7.48E-03	1.53E-06	4.63E-06	2.68E-06	2.89E-06	2.62E-06	1.19E-06	1.87E-06	0.00E+00	0.00E+00	4.93E-07	9.80E-08	6.22E-07	9.59E-08	1.45E-07	1.45E-06
322	489538.2	3859571	4.41E-03	4.75E-03	7.45E-03	1.53E-06	4.61E-06	2.67E-06	2.87E-06	2.61E-06	1.19E-06	1.86E-06	0.00E+00	0.00E+00	4.91E-07	9.76E-08	6.19E-07	9.55E-08	1.44E-07	1.45E-06
323	489588.2	3859571	4.39E-03	4.73E-03	7.41E-03	1.52E-06	4.59E-06	2.66E-06	2.86E-06	2.59E-06	1.18E-06	1.86E-06	0.00E+00	0.00E+00	4.89E-07	9.71E-08	6.16E-07	9.50E-08	1.44E-07	1.44E-06
324	489438.2	3859621	4.30E-03	4.63E-03	7.26E-03	1.49E-06	4.49E-06	2.60E-06	2.80E-06	2.54E-06	1.16E-06	1.82E-06	0.00E+00	0.00E+00	4.79E-07	9.52E-08	6.04E-07	9.31E-08	1.41E-07	1.41E-06
325	489488.2	3859621	4.27E-03	4.61E-03	7.22E-03	1.48E-06	4.47E-06	2.59E-06	2.79E-06	2.53E-06	1.15E-06	1.81E-06	0.00E+00	0.00E+00	4.76E-07	9.46E-08	6.00E-07	9.26E-08	1.40E-07	1.40E-06
326	489538.2	3859621	4.25E-03	4.58E-03	7.18E-03	1.47E-06	4.44E-06	2.57E-06	2.77E-06	2.51E-06	1.15E-06	1.80E-06	0.00E+00	0.00E+00	4.73E-07	9.41E-08	5.97E-07	9.21E-08	1.39E-07	1.40E-06
327	489588.2	3859621	4.23E-03	4.56E-03	7.16E-03	1.47E-06	4.42E-06	2.56E-06	2.76E-06	2.50E-06	1.14E-06	1.79E-06	0.00E+00	0.00E+00	4.71E-07	9.37E-08	5.95E-07	9.17E-08	1.39E-07	1.39E-06
328	489238.2	3859671	4.23E-03	4.56E-03	7.16E-03	1.47E-06	4.43E-06	2.56E-06	2.76E-06	2.50E-06	1.14E-06	1.79E-06	0.00E+00	0.00E+00	4.71E-07	9.37E-08	5.95E-07	9.17E-08	1.39E-07	1.39E-06
329	489288.2	3859671	4.22E-03	4.55E-03	7.13E-03	1.46E-06	4.41E-06	2.55E-06	2.75E-06	2.49E-06	1.14E-06	1.78E-06	0.00E+00	0.00E+00	4.70E-07	9.33E-08	5.92E-07	9.13E-08	1.38E-07	1.38E-06
330	489338.2	3859671	4.20E-03	4.53E-03	7.10E-03	1.45E-06	4.39E-06	2.54E-06	2.74E-06	2.48E-06	1.13E-06	1.78E-06	0.00E+00	0.00E+00	4.68E-07	9.30E-08	5.90E-07	9.10E-08	1.38E-07	1.38E-06
331	489388.2	3859671	4.19E-03	4.51E-03	7.08E-03	1.45E-06	4.37E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.77E-06	0.00E+00	0.00E+00	4.66E-07	9.26E-08	5.88E-07	9.06E-08	1.37E-07	1.37E-06
332	489438.2	3859671	4.16E-03	4.48E-03	7.03E-03	1.44E-06	4.35E-06	2.52E-06	2.71E-06	2.46E-06	1.12E-06	1.76E-06	0.00E+00	0.00E+00	4.63E-07	9.21E-08	5.84E-07	9.01E-08	1.36E-07	1.37E-06
333	489488.2	3859671	4.14E-03	4.46E-03	7.00E-03	1.43E-06	4.33E-06	2.51E-06	2.70E-06	2.45E-06	1.12E-06	1.75E-06	0.00E+00	0.00E+00	4.61E-07	9.16E-08	5.81E-07	8.97E-08	1.36E-07	1.36E-06
334	489538.2	3859671	4.12E-03	4.44E-03	6.97E-03	1.43E-06	4.30E-06	2.49E-06	2.69E-06	2.43E-06	1.11E-06	1.74E-06	0.00E+00	0.00E+00	4.58E-07	9.11E-08	5.78E-07	8.92E-08	1.35E-07	1.35E-06
335	489588.2	3859671	4.10E-03	4.42E-03	6.93E-03	1.42E-06	4.28E-06	2.48E-06	2.67E-06	2.42E-06	1.11E-06	1.74E-06	0.00E+00	0.00E+00	4.56E-07	9.07E-08	5.75E-07	8.87E-08	1.34E-07	1.35E-06

336	489238.2	3859721	4.09E-03	4.41E-03	6.92E-03	1.42E-06	4.28E-06	2.48E-06	2.67E-06	2.42E-06	1.10E-06	1.73E-06	0.00E+00	0.00E+00	4.56E-07	9.06E-08	5.75E-07	8.86E-08	1.34E-07	1.34E-06
337	489288.2	3859721	4.09E-03	4.40E-03	6.91E-03	1.41E-06	4.27E-06	2.47E-06	2.66E-06	2.42E-06	1.10E-06	1.73E-06	0.00E+00	0.00E+00	4.55E-07	9.04E-08	5.74E-07	8.85E-08	1.34E-07	1.34E-06
338	489338.2	3859721	4.07E-03	4.39E-03	6.89E-03	1.41E-06	4.26E-06	2.46E-06	2.66E-06	2.41E-06	1.10E-06	1.72E-06	0.00E+00	0.00E+00	4.53E-07	9.01E-08	5.72E-07	8.82E-08	1.34E-07	1.34E-06
339	489388.2	3859721	4.05E-03	4.37E-03	6.86E-03	1.40E-06	4.24E-06	2.45E-06	2.64E-06	2.40E-06	1.09E-06	1.72E-06	0.00E+00	0.00E+00	4.51E-07	8.97E-08	5.69E-07	8.78E-08	1.33E-07	1.33E-06
340	489438.2	3859721	4.03E-03	4.35E-03	6.82E-03	1.40E-06	4.21E-06	2.44E-06	2.63E-06	2.38E-06	1.09E-06	1.71E-06	0.00E+00	0.00E+00	4.49E-07	8.93E-08	5.66E-07	8.73E-08	1.32E-07	1.32E-06
341	489488.2	3859721	4.02E-03	4.33E-03	6.80E-03	1.39E-06	4.20E-06	2.43E-06	2.62E-06	2.37E-06	1.08E-06	1.70E-06	0.00E+00	0.00E+00	4.47E-07	8.89E-08	5.64E-07	8.70E-08	1.32E-07	1.32E-06
342	489538.2	3859721	3.99E-03	4.31E-03	6.76E-03	1.38E-06	4.18E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.69E-06	0.00E+00	0.00E+00	4.45E-07	8.84E-08	5.61E-07	8.65E-08	1.31E-07	1.31E-06
343	489588.2	3859721	3.97E-03	4.28E-03	6.73E-03	1.38E-06	4.15E-06	2.40E-06	2.59E-06	2.35E-06	1.07E-06	1.68E-06	0.00E+00	0.00E+00	4.42E-07	8.80E-08	5.58E-07	8.61E-08	1.30E-07	1.30E-06
344	489238.2	3859771	3.96E-03	4.27E-03	6.70E-03	1.37E-06	4.14E-06	2.40E-06	2.58E-06	2.34E-06	1.07E-06	1.68E-06	0.00E+00	0.00E+00	4.41E-07	8.76E-08	5.56E-07	8.58E-08	1.30E-07	1.30E-06
345	489288.2	3859771	3.96E-03	4.26E-03	6.70E-03	1.37E-06	4.14E-06	2.39E-06	2.58E-06	2.34E-06	1.07E-06	1.68E-06	0.00E+00	0.00E+00	4.40E-07	8.76E-08	5.56E-07	8.57E-08	1.30E-07	1.30E-06
346	489338.2	3859771	3.94E-03	4.25E-03	6.67E-03	1.36E-06	4.12E-06	2.39E-06	2.57E-06	2.33E-06	1.06E-06	1.67E-06	0.00E+00	0.00E+00	4.39E-07	8.73E-08	5.54E-07	8.54E-08	1.29E-07	1.29E-06
347	489388.2	3859771	3.93E-03	4.24E-03	6.65E-03	1.36E-06	4.11E-06	2.38E-06	2.56E-06	2.32E-06	1.06E-06	1.67E-06	0.00E+00	0.00E+00	4.37E-07	8.70E-08	5.52E-07	8.51E-08	1.29E-07	1.29E-06
348	489438.2	3859771	3.91E-03	4.21E-03	6.62E-03	1.35E-06	4.09E-06	2.37E-06	2.55E-06	2.31E-06	1.05E-06	1.66E-06	0.00E+00	0.00E+00	4.35E-07	8.66E-08	5.49E-07	8.47E-08	1.28E-07	1.28E-06
349	489488.2	3859771	3.90E-03	4.20E-03	6.61E-03	1.35E-06	4.08E-06	2.36E-06	2.54E-06	2.31E-06	1.05E-06	1.65E-06	0.00E+00	0.00E+00	4.34E-07	8.63E-08	5.48E-07	8.45E-08	1.28E-07	1.28E-06
350	489538.2	3859771	3.88E-03	4.19E-03	6.58E-03	1.34E-06	4.06E-06	2.35E-06	2.53E-06	2.30E-06	1.05E-06	1.65E-06	0.00E+00	0.00E+00	4.32E-07	8.60E-08	5.45E-07	8.41E-08	1.28E-07	1.28E-06
351	489588.2	3859771	3.86E-03	4.16E-03	6.54E-03	1.34E-06	4.03E-06	2.34E-06	2.52E-06	2.28E-06	1.04E-06	1.64E-06	0.00E+00	0.00E+00	4.30E-07	8.54E-08	5.42E-07	8.36E-08	1.27E-07	1.27E-06
352	489238.2	3859821	3.83E-03	4.13E-03	6.48E-03	1.33E-06	4.00E-06	2.32E-06	2.50E-06	2.26E-06	1.03E-06	1.62E-06	0.00E+00	0.00E+00	4.26E-07	8.48E-08	5.38E-07	8.30E-08	1.26E-07	1.26E-06
353	489288.2	3859821	3.83E-03	4.13E-03	6.49E-03	1.33E-06	4.00E-06	2.32E-06	2.50E-06	2.26E-06	1.03E-06	1.62E-06	0.00E+00	0.00E+00	4.26E-07	8.48E-08	5.38E-07	8.30E-08	1.26E-07	1.26E-06
354	489338.2	3859821	3.82E-03	4.12E-03	6.47E-03	1.32E-06	3.99E-06	2.31E-06	2.49E-06	2.26E-06	1.03E-06	1.62E-06	0.00E+00	0.00E+00	4.25E-07	8.46E-08	5.37E-07	8.28E-08	1.25E-07	1.25E-06
355	489388.2	3859821	3.81E-03	4.11E-03	6.46E-03	1.32E-06	3.98E-06	2.31E-06	2.49E-06	2.25E-06	1.03E-06	1.62E-06	0.00E+00	0.00E+00	4.24E-07	8.44E-08	5.35E-07	8.26E-08	1.25E-07	1.25E-06
356	489438.2	3859821	3.80E-03	4.10E-03	6.45E-03	1.32E-06	3.97E-06	2.30E-06	2.48E-06	2.25E-06	1.03E-06	1.61E-06	0.00E+00	0.00E+00	4.23E-07	8.42E-08	5.34E-07	8.24E-08	1.25E-07	1.25E-06
357	489488.2	3859821	3.79E-03	4.09E-03	6.43E-03	1.31E-06	3.96E-06	2.29E-06	2.47E-06	2.24E-06	1.02E-06	1.61E-06	0.00E+00	0.00E+00	4.22E-07	8.39E-08	5.33E-07	8.21E-08	1.25E-07	1.25E-06
358	489538.2	3859821	3.78E-03	4.07E-03	6.40E-03	1.31E-06	3.95E-06	2.29E-06	2.46E-06	2.23E-06	1.02E-06	1.60E-06	0.00E+00	0.00E+00	4.20E-07	8.36E-08	5.31E-07	8.18E-08	1.24E-07	1.24E-06
359	489588.2	3859821	3.76E-03	4.05E-03	6.37E-03	1.30E-06	3.93E-06	2.27E-06	2.45E-06	2.22E-06	1.01E-06	1.59E-06	0.00E+00	0.00E+00	4.18E-07	8.32E-08	5.28E-07	8.14E-08	1.23E-07	1.23E-06
360	489238.2	3859871	3.71E-03	4.00E-03	6.28E-03	1.28E-06	3.88E-06	2.24E-06	2.42E-06	2.19E-06	1.00E-06	1.57E-06	0.00E+00	0.00E+00	4.13E-07	8.21E-08	5.21E-07	8.03E-08	1.22E-07	1.22E-06
361	489288.2	3859871	3.71E-03	4.00E-03	6.28E-03	1.28E-06	3.87E-06	2.24E-06	2.42E-06	2.19E-06	1.00E-06	1.57E-06	0.00E+00	0.00E+00	4.13E-07	8.21E-08	5.21E-07	8.03E-08	1.22E-07	1.22E-06
362	489338.2	3859871	3.70E-03	3.99E-03	6.28E-03	1.28E-06	3.87E-06	2.24E-06	2.42E-06	2.19E-06	9.99E-07	1.57E-06	0.00E+00	0.00E+00	4.12E-07	8.20E-08	5.20E-07	8.02E-08	1.22E-07	1.22E-06
363	489388.2	3859871	3.70E-03	3.99E-03	6.28E-03	1.28E-06	3.87E-06	2.24E-06	2.41E-06	2.19E-06	9.99E-07	1.57E-06	0.00E+00	0.00E+00	4.12E-07	8.19E-08	5.20E-07	8.02E-08	1.22E-07	1.22E-06
364	489438.2	3859871	3.70E-03	3.99E-03	6.28E-03	1.28E-06	3.87E-06	2.24E-06	2.41E-06	2.19E-06	9.98E-07	1.57E-06	0.00E+00	0.00E+00	4.12E-07	8.19E-08	5.20E-07	8.02E-08	1.22E-07	1.22E-06
365	489488.2	3859871	3.70E-03	3.99E-03	6.27E-03	1.28E-06	3.86E-06	2.24E-06	2.41E-06	2.19E-06	9.98E-07	1.57E-06	0.00E+00	0.00E+00	4.12E-07	8.19E-08	5.19E-07	8.01E-08	1.22E-07	1.21E-06
366	489538.2	3859871	3.68E-03	3.97E-03	6.24E-03	1.27E-06	3.84E-06	2.23E-06	2.40E-06	2.18E-06	9.92E-07	1.56E-06	0.00E+00	0.00E+00	4.09E-07	8.14E-08	5.17E-07	7.97E-08	1.21E-07	1.21E-06
367	489588.2	3859871	3.66E-03	3.95E-03	6.21E-03	1.27E-06	3.83E-06	2.22E-06	2.39E-06	2.16E-06	9.88E-07	1.56E-06	0.00E+00	0.00E+00	4.08E-07	8.11E-08	5.14E-07	7.93E-08	1.20E-07	1.20E-06
368	489238.2	3859921	3.59E-03	3.87E-03	6.09E-03	1.24E-06	3.76E-06	2.18E-06	2.34E-06	2.13E-06	9.70E-07	1.52E-06	0.00E+00	0.00E+00	4.00E-07	7.96E-08	5.05E-07	7.79E-08	1.18E-07	1.18E-06
369	489288.2	3859921	3.60E-03	3.88E-03	6.10E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.71E-07	1.53E-06	0.00E+00	0.00E+00	4.01E-07	7.97E-08	5.06E-07	7.80E-08	1.18E-07	1.18E-06
370	489338.2	3859921	3.60E-03	3.88E-03	6.10E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.71E-07	1.53E-06	0.00E+00	0.00E+00	4.01E-07	7.97E-08	5.06E-07	7.80E-08	1.18E-07	1.18E-06
371	489388.2	3859921	3.60E-03	3.88E-03	6.11E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.72E-07	1.53E-06	0.00E+00	0.00E+00	4.01E-07	7.98E-08	5.06E-07	7.80E-08	1.18E-07	1.18E-06
372	489438.2	3859921	3.61E-03	3.89E-03	6.12E-03	1.25E-06	3.77E-06	2.18E-06	2.35E-06	2.13E-06	9.73E-07	1.53E-06	0.00E+00	0.00E+00	4.01E-07	7.98E-08	5.07E-07	7.81E-08	1.19E-07	1.18E-06
373	489488.2	3859921	3.60E-03	3.88E-03	6.11E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.71E-07	1.53E-06	0.00E+00	0.00E+00	4.01E-07	7.97E-08	5.06E-07	7.80E-08	1.18E-07	1.18E-06
374	489538.2	3859921	3.59E-03	3.87E-03	6.09E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.67E-07	1.52E-06	0.00E+00	0.00E+00	3.99E-07	7.94E-08	5.04E-07	7.77E-08	1.18E-07	1.18E-06
375	489588.2	3859921	3.57E-03	3.85E-03	6.07E-03	1.24E-06	3.73E-06	2.16E-06	2.33E-06	2.11E-06	9.64E-07	1.52E-06	0.00E+00	0.00E+00	3.98E-07	7.91E-08	5.02E-07	7.74E-08	1.18E-07	1.17E-06
376	489238.2	3859971	3.49E-03	3.76E-03	5.91E-03	1.21E-06	3.65E-06	2.11E-06	2.27E-06	2.06E-06	9.41E-07	1.48E-06	0.00E+00	0.00E+00	3.88E-07	7.72E-08	4.90E-07	7.56E-08	1.15E-07	1.15E-06
377	489288.2	3859971	3.49E-03	3.76E-03	5.92E-03	1.21E-06	3.65E-06	2.11E-06	2.28E-06	2.06E-06	9.42E-07	1.48E-06	0.00E+00	0.00E+00	3.89E-07	7.73E-08	4.91E-07	7.56E-08	1.15E-07	1.15E-06
378	489338.2	3859971	3.50E-03	3.77E-03	5.93E-03	1.21E-06	3.65E-06	2.12E-06	2.28E-06	2.07E-06	9.44E-07	1.48E-06	0.00E+00	0.00E+00	3.89E-07	7.74E-08	4.91E-07	7.58E-08	1.15E-07	1.15E-06
379	489388.2	3859971	3.50E-03	3.78E-03	5.95E-03	1.21E-06	3.66E-06	2.12E-06	2.29E-06	2.07E-06	9.46E-07	1.49E-06	0.00E+00	0.00E+00	3.90E-07	7.76E-08	4.92E-07	7.59E-08	1.15E-07	1.15E-06
380	489438.2	3859971	3.51E-03	3.79E-03	5.97E-03	1.22E-06	3.67E-06	2.12E-06	2.29E-06	2.08E-06	9.48E-07	1.49E-06	0.00E+00	0.00E+00	3.91E-07	7.78E-08	4.93E-07	7.61E-08	1.16E-07	1.15E-06
381	489488.2	3859971	3.51E-03	3.79E-03	5.98E-03	1.22E-06	3.67E-06	2.13E-06	2.29E-06	2.08E-06	9.48E-07	1.50E-06	0.00E+00	0.00E+00	3.91E-07	7.78E-08	4.94E-07	7.62E-08	1.16E-07	1.15E-06
382	489538.2	3859971	3.51E-03	3.78E-03	5.97E-03	1.21E-06	3.67E-06	2.12E-06	2.29E-06	2.07E-06	9.47E-07	1.49E-06	0.00E+00	0.00E+00	3.90E-07	7.77E-08	4.93E-07	7.60E-08	1.16E-07	1.15E-06
383	489588.2	3859971	3.49E-03	3.77E-03	5.95E-03	1.21E-06	3.65E-06	2.11E-06	2.28E-06	2.07E-06	9.43E-07	1.49E-06	0.00E+00	0.00E+00	3.89E-07	7.74E-08	4.91E-07	7.57E-08	1.15E-07	1.15E-06
384	483577.7	3854071	1.45E-02	1.58E-02	2.64E-02	5.02E-06	1.52E-05	8.77E-06	9.54E-06	8.65E-06	3.95E-06	6.60E-06	0.00E+00	0.00E+00	1.61E-06	3.24E-07	2.05E-06	3.17E-07	5.11E-07	4.82E-06
385	483627.7	3854071	1.38E-02	1.50E-02	2.50E-02	4.77E-06	1.44E-05	8.34E-06	9.07E-06	8.22E-06	3.75E-06	6.26E-06	0.00E+00	0.00E+00	1.53E-06	3.08E-07	1.95E-06	3.01E-07	4.85E-07	4.58E-06
386	483677.7	3854071	1.31E-02	1.42E-02	2.37E-02	4.52E-06	1.37E-05	7.91E-06	8.59E-06	7.79E-06	3.55E-06	5.92E-06	0.00E+00	0.00E+00	1.45E-06	2.92E-07	1.85E-06	2.85E-07	4.58E-07	4.34E-06
387	483727.7	3854071	1.24E-02	1.35E-02	2.24E-02	4.29E-06	1.30E-05	7.50E-06	8.15E-06	7.39E-06	3.37E-06	5.61E-06	0.00E+00	0.00E+00	1.38E-06	2.77E-07	1.76E-06	2.71E-07	4.34E-07	4.12E-06
388	483777.7	3854071	1.16E-02	1.26E-02	2.09E-02	4.01E-06	1.21E-05	7.01E-06	7.62E-06	6.91E-06	3.15E-06	5.23E-06	0.00E+00	0.00E+00	1.29E-06	2.59E-07	1.64E-06	2.53E-07	4.05E-07	3.85E-06
389	483577.7	3854121	1.60E-02	1.75E-02	2.94E-02	5.55E-06	1.68E-05	9.71E-06	1.06E-05	9.58E-06	4.37E-06	7.35E-06	0.00E+00	0.00E+00	1.79E-06	3.59E-07	2.28E-06	3.51E-07	5.69E-07	5.34E-06
390	483627.7	3854121	1.50E-02	1.64E-02	2.75E-02	5.21E-06	1.57E-05	9.11E-06	9.91E-06	8.98E-06	4.10E-06	6.87E-06	0.00E+00	0.00E+00	1.68E-06	3.36E-07	2.13E-06	3.29E-07	5.32E-07	5.01E-06
391	483677.7	3854121	1.40E-02	1.52E-02	2.55E-02	4.85E-06	1.46E-05	8.47E-06	9.22E-06	8.35E-06	3.81E-06	6.37E-06	0.00E+00	0.00E+00	1.56E-06	3.13E-07	1.99E-06	3.06E-07	4.94E-07	4.66E-06
392	483727.7	3854121	1.30E-02	1.41E-02	2.36E-02	4.50E-06	1.36E-05	7.87E-06	8.55E-06	7.75E-06	3.54E-06	5.90E-06	0.00E+00	0.00E+00	1.45E-06	2.90E-07	1.84E-06	2.84E-07	4.57E-07	4.32E-06

393	483777.7	3854121	1.23E-02	1.33E-02	2.22E-02	4.25E-06	1.28E-05	7.43E-06	8.08E-06	7.32E-06	3.34E-06	5.56E-06	0.00E+00	0.00E+00	1.37E-06	2.74E-07	1.74E-06	2.68E-07	4.31E-07	4.08E-06
394	483577.7	3854171	1.72E-02	1.88E-02	3.17E-02	5.97E-06	1.80E-05	1.04E-05	1.14E-05	1.03E-05	4.70E-06	7.92E-06	0.00E+00	0.00E+00	1.92E-06	3.86E-07	2.45E-06	3.77E-07	6.13E-07	5.74E-06
395	483627.7	3854171	1.59E-02	1.73E-02	2.90E-02	5.49E-06	1.66E-05	9.60E-06	1.04E-05	9.47E-06	4.32E-06	7.26E-06	0.00E+00	0.00E+00	1.77E-06	3.54E-07	2.25E-06	3.47E-07	5.62E-07	5.28E-06
396	483677.7	3854171	1.48E-02	1.61E-02	2.69E-02	5.12E-06	1.54E-05	8.94E-06	9.73E-06	8.82E-06	4.02E-06	6.74E-06	0.00E+00	0.00E+00	1.64E-06	3.30E-07	2.10E-06	3.23E-07	5.22E-07	4.92E-06
397	483727.7	3854171	1.39E-02	1.51E-02	2.53E-02	4.81E-06	1.45E-05	8.40E-06	9.14E-06	8.29E-06	3.78E-06	6.32E-06	0.00E+00	0.00E+00	1.55E-06	3.10E-07	1.97E-06	3.04E-07	4.89E-07	4.62E-06
398	483777.7	3854171	1.30E-02	1.41E-02	2.36E-02	4.50E-06	1.36E-05	7.87E-06	8.56E-06	7.76E-06	3.54E-06	5.91E-06	0.00E+00	0.00E+00	1.45E-06	2.90E-07	1.84E-06	2.84E-07	4.57E-07	4.32E-06
399	483827.7	3854171	1.20E-02	1.30E-02	2.16E-02	4.14E-06	1.25E-05	7.24E-06	7.87E-06	7.13E-06	3.25E-06	5.42E-06	0.00E+00	0.00E+00	1.33E-06	2.67E-07	1.69E-06	2.61E-07	4.20E-07	3.97E-06
400	483877.7	3854171	1.13E-02	1.23E-02	2.05E-02	3.92E-06	1.18E-05	6.86E-06	7.45E-06	6.75E-06	3.08E-06	5.12E-06	0.00E+00	0.00E+00	1.26E-06	2.53E-07	1.60E-06	2.47E-07	3.96E-07	3.76E-06
401	483727.7	3854221	1.49E-02	1.62E-02	2.71E-02	5.16E-06	1.56E-05	9.02E-06	9.82E-06	8.90E-06	4.06E-06	6.79E-06	0.00E+00	0.00E+00	1.66E-06	3.33E-07	2.11E-06	3.26E-07	5.26E-07	4.96E-06
402	483777.7	3854221	1.39E-02	1.51E-02	2.52E-02	4.81E-06	1.45E-05	8.40E-06	9.14E-06	8.28E-06	3.78E-06	6.31E-06	0.00E+00	0.00E+00	1.55E-06	3.10E-07	1.97E-06	3.03E-07	4.88E-07	4.62E-06
403	483827.7	3854221	1.34E-02	1.45E-02	2.42E-02	4.62E-06	1.40E-05	8.08E-06	8.78E-06	7.96E-06	3.63E-06	6.05E-06	0.00E+00	0.00E+00	1.49E-06	2.98E-07	1.89E-06	2.92E-07	4.69E-07	4.44E-06
404	483877.7	3854221	1.24E-02	1.35E-02	2.24E-02	4.29E-06	1.30E-05	7.51E-06	8.16E-06	7.39E-06	3.37E-06	5.61E-06	0.00E+00	0.00E+00	1.38E-06	2.77E-07	1.76E-06	2.71E-07	4.34E-07	4.12E-06
405	489150.2	3858726	1.44E-02	1.53E-02	2.27E-02	4.97E-06	1.50E-05	8.69E-06	9.28E-06	8.42E-06	3.84E-06	5.68E-06	0.00E+00	0.00E+00	1.60E-06	3.15E-07	2.00E-06	3.08E-07	4.40E-07	4.66E-06
406	489200.2	3858726	1.40E-02	1.49E-02	2.22E-02	4.83E-06	1.46E-05	8.44E-06	9.03E-06	8.19E-06	3.74E-06	5.56E-06	0.00E+00	0.00E+00	1.55E-06	3.07E-07	1.95E-06	3.00E-07	4.30E-07	4.54E-06
407	489150.2	3858776	1.38E-02	1.47E-02	2.15E-02	4.78E-06	1.44E-05	8.36E-06	8.92E-06	8.09E-06	3.69E-06	5.38E-06	0.00E+00	0.00E+00	1.54E-06	3.03E-07	1.92E-06	2.96E-07	4.17E-07	4.48E-06
408	489200.2	3858776	1.34E-02	1.43E-02	2.10E-02	4.63E-06	1.40E-05	8.09E-06	8.64E-06	7.84E-06	3.58E-06	5.26E-06	0.00E+00	0.00E+00	1.49E-06	2.93E-07	1.86E-06	2.87E-07	4.07E-07	4.34E-06
409	488919.6	3856401	1.64E-02	1.77E-02	2.83E-02	5.68E-06	1.71E-05	9.92E-06	1.07E-05	9.72E-06	4.43E-06	7.08E-06	0.00E+00	0.00E+00	1.83E-06	3.64E-07	2.31E-06	3.56E-07	5.48E-07	5.40E-06
410	488919.6	3856451	1.68E-02	1.81E-02	2.89E-02	5.80E-06	1.75E-05	1.01E-05	1.10E-05	9.93E-06	4.53E-06	7.23E-06	0.00E+00	0.00E+00	1.86E-06	3.72E-07	2.36E-06	3.64E-07	5.60E-07	5.52E-06
411	488969.6	3856451	1.65E-02	1.78E-02	2.85E-02	5.72E-06	1.73E-05	1.00E-05	1.08E-05	9.79E-06	4.47E-06	7.13E-06	0.00E+00	0.00E+00	1.84E-06	3.67E-07	2.33E-06	3.59E-07	5.52E-07	5.44E-06
412	488919.6	3856501	1.71E-02	1.85E-02	2.95E-02	5.92E-06	1.79E-05	1.04E-05	1.12E-05	1.01E-05	4.63E-06	7.39E-06	0.00E+00	0.00E+00	1.90E-06	3.80E-07	2.41E-06	3.71E-07	5.72E-07	5.64E-06
413	488969.6	3856501	1.69E-02	1.82E-02	2.91E-02	5.84E-06	1.76E-05	1.02E-05	1.10E-05	1.00E-05	4.56E-06	7.29E-06	0.00E+00	0.00E+00	1.88E-06	3.75E-07	2.38E-06	3.67E-07	5.65E-07	5.56E-06
414	488919.6	3856551	1.75E-02	1.89E-02	3.02E-02	6.05E-06	1.83E-05	1.06E-05	1.14E-05	1.04E-05	4.73E-06	7.55E-06	0.00E+00	0.00E+00	1.95E-06	3.88E-07	2.46E-06	3.80E-07	5.85E-07	5.76E-06
415	488969.6	3856551	1.72E-02	1.86E-02	2.98E-02	5.97E-06	1.80E-05	1.04E-05	1.13E-05	1.02E-05	4.66E-06	7.45E-06	0.00E+00	0.00E+00	1.92E-06	3.82E-07	2.43E-06	3.74E-07	5.77E-07	5.68E-06
416	488819.6	3856601	1.84E-02	1.98E-02	3.17E-02	6.36E-06	1.92E-05	1.11E-05	1.20E-05	1.09E-05	4.97E-06	7.93E-06	0.00E+00	0.00E+00	2.04E-06	4.07E-07	2.59E-06	3.99E-07	6.14E-07	6.05E-06
417	488869.6	3856601	1.81E-02	1.95E-02	3.12E-02	6.26E-06	1.89E-05	1.09E-05	1.18E-05	1.07E-05	4.89E-06	7.82E-06	0.00E+00	0.00E+00	2.01E-06	4.01E-07	2.55E-06	3.93E-07	6.05E-07	5.96E-06
418	488919.6	3856601	1.78E-02	1.93E-02	3.08E-02	6.18E-06	1.86E-05	1.08E-05	1.17E-05	1.06E-05	4.82E-06	7.71E-06	0.00E+00	0.00E+00	1.99E-06	3.96E-07	2.51E-06	3.87E-07	5.97E-07	5.88E-06
419	488819.6	3856651	1.88E-02	2.03E-02	3.24E-02	6.49E-06	1.96E-05	1.13E-05	1.23E-05	1.11E-05	5.07E-06	8.10E-06	0.00E+00	0.00E+00	2.09E-06	4.16E-07	2.64E-06	4.07E-07	6.27E-07	6.18E-06
420	488869.6	3856651	1.85E-02	2.00E-02	3.19E-02	6.39E-06	1.93E-05	1.12E-05	1.21E-05	1.09E-05	4.99E-06	7.98E-06	0.00E+00	0.00E+00	2.06E-06	4.10E-07	2.60E-06	4.01E-07	6.18E-07	6.09E-06
421	488819.6	3856701	1.91E-02	2.07E-02	3.31E-02	6.63E-06	2.00E-05	1.16E-05	1.25E-05	1.13E-05	5.18E-06	8.28E-06	0.00E+00	0.00E+00	2.13E-06	4.25E-07	2.70E-06	4.16E-07	6.41E-07	6.31E-06
422	488869.6	3856701	1.88E-02	2.04E-02	3.26E-02	6.52E-06	1.97E-05	1.14E-05	1.23E-05	1.12E-05	5.10E-06	8.15E-06	0.00E+00	0.00E+00	2.10E-06	4.18E-07	2.65E-06	4.09E-07	6.31E-07	6.21E-06
423	488819.6	3856751	1.95E-02	2.11E-02	3.37E-02	6.76E-06	2.04E-05	1.18E-05	1.28E-05	1.16E-05	5.28E-06	8.44E-06	0.00E+00	0.00E+00	2.17E-06	4.33E-07	2.75E-06	4.24E-07	6.54E-07	6.43E-06
424	488869.6	3856751	1.92E-02	2.08E-02	3.32E-02	6.66E-06	2.01E-05	1.16E-05	1.26E-05	1.14E-05	5.20E-06	8.32E-06	0.00E+00	0.00E+00	2.14E-06	4.27E-07	2.71E-06	4.18E-07	6.44E-07	6.34E-06
425	488819.6	3857051	2.19E-02	2.37E-02	3.80E-02	7.60E-06	2.29E-05	1.33E-05	1.44E-05	1.30E-05	5.94E-06	9.52E-06	0.00E+00	0.00E+00	2.44E-06	4.87E-07	3.09E-06	4.77E-07	7.37E-07	7.23E-06
426	488869.6	3857051	2.16E-02	2.33E-02	3.73E-02	7.46E-06	2.25E-05	1.30E-05	1.41E-05	1.28E-05	5.83E-06	9.35E-06	0.00E+00	0.00E+00	2.40E-06	4.78E-07	3.04E-06	4.68E-07	7.24E-07	7.11E-06
427	488919.6	3857051	2.12E-02	2.29E-02	3.67E-02	7.33E-06	2.21E-05	1.28E-05	1.38E-05	1.26E-05	5.73E-06	9.18E-06	0.00E+00	0.00E+00	2.36E-06	4.70E-07	2.98E-06	4.60E-07	7.11E-07	6.98E-06
428	488819.6	3857101	2.23E-02	2.41E-02	3.87E-02	7.73E-06	2.33E-05	1.35E-05	1.46E-05	1.32E-05	6.04E-06	9.69E-06	0.00E+00	0.00E+00	2.49E-06	4.96E-07	3.15E-06	4.85E-07	7.50E-07	7.36E-06
429	488869.6	3857101	2.19E-02	2.37E-02	3.80E-02	7.59E-06	2.29E-05	1.33E-05	1.43E-05	1.30E-05	5.93E-06	9.51E-06	0.00E+00	0.00E+00	2.44E-06	4.87E-07	3.09E-06	4.76E-07	7.36E-07	7.23E-06
430	488919.6	3857101	2.15E-02	2.33E-02	3.73E-02	7.45E-06	2.25E-05	1.30E-05	1.41E-05	1.28E-05	5.82E-06	9.34E-06	0.00E+00	0.00E+00	2.40E-06	4.78E-07	3.03E-06	4.68E-07	7.23E-07	7.10E-06
431	488819.6	3857151	2.27E-02	2.46E-02	3.94E-02	7.86E-06	2.37E-05	1.37E-05	1.49E-05	1.35E-05	6.15E-06	9.86E-06	0.00E+00	0.00E+00	2.53E-06	5.04E-07	3.20E-06	4.93E-07	7.63E-07	7.49E-06
432	488869.6	3857151	2.23E-02	2.41E-02	3.86E-02	7.71E-06	2.33E-05	1.35E-05	1.46E-05	1.32E-05	6.03E-06	9.67E-06	0.00E+00	0.00E+00	2.48E-06	4.95E-07	3.14E-06	4.84E-07	7.49E-07	7.35E-06
433	488919.6	3857151	2.19E-02	2.36E-02	3.79E-02	7.57E-06	2.29E-05	1.32E-05	1.43E-05	1.30E-05	5.92E-06	9.49E-06	0.00E+00	0.00E+00	2.43E-06	4.86E-07	3.08E-06	4.75E-07	7.35E-07	7.21E-06
434	488969.6	3857151	2.15E-02	2.32E-02	3.72E-02	7.43E-06	2.24E-05	1.30E-05	1.40E-05	1.27E-05	5.81E-06	9.32E-06	0.00E+00	0.00E+00	2.39E-06	4.77E-07	3.02E-06	4.66E-07	7.21E-07	7.08E-06
435	488819.6	3857201	2.31E-02	2.50E-02	4.01E-02	8.00E-06	2.41E-05	1.40E-05	1.51E-05	1.37E-05	6.25E-06	1.00E-05	0.00E+00	0.00E+00	2.57E-06	5.13E-07	3.25E-06	5.02E-07	7.76E-07	7.62E-06
436	488869.6	3857201	2.27E-02	2.45E-02	3.93E-02	7.84E-06	2.37E-05	1.37E-05	1.48E-05	1.34E-05	6.13E-06	9.83E-06	0.00E+00	0.00E+00	2.52E-06	5.03E-07	3.19E-06	4.92E-07	7.61E-07	7.47E-06
437	488919.6	3857201	2.22E-02	2.40E-02	3.85E-02	7.69E-06	2.32E-05	1.34E-05	1.45E-05	1.32E-05	6.01E-06	9.65E-06	0.00E+00	0.00E+00	2.47E-06	4.93E-07	3.13E-06	4.83E-07	7.47E-07	7.33E-06
438	488969.6	3857201	2.18E-02	2.36E-02	3.78E-02	7.55E-06	2.28E-05	1.32E-05	1.43E-05	1.29E-05	5.90E-06	9.46E-06	0.00E+00	0.00E+00	2.43E-06	4.84E-07	3.07E-06	4.74E-07	7.33E-07	7.19E-06
439	488819.6	3857251	2.35E-02	2.54E-02	4.07E-02	8.13E-06	2.45E-05	1.42E-05	1.54E-05	1.39E-05	6.35E-06	1.02E-05	0.00E+00	0.00E+00	2.61E-06	5.21E-07	3.31E-06	5.10E-07	7.90E-07	7.74E-06
440	488869.6	3857251	2.30E-02	2.49E-02	3.99E-02	7.96E-06	2.40E-05	1.39E-05	1.50E-05	1.36E-05	6.23E-06	9.99E-06	0.00E+00	0.00E+00	2.56E-06	5.11E-07	3.24E-06	5.00E-07	7.74E-07	7.59E-06
441	488919.6	3857251	2.26E-02	2.44E-02	3.91E-02	7.81E-06	2.36E-05	1.36E-05	1.48E-05	1.34E-05	6.10E-06	9.80E-06	0.00E+00	0.00E+00	2.51E-06	5.01E-07	3.18E-06	4.90E-07	7.59E-07	7.44E-06
442	488969.6	3857251	2.21E-02	2.39E-02	3.84E-02	7.66E-06	2.31E-05	1.34E-05	1.45E-05	1.31E-05	5.98E-06	9.61E-06	0.00E+00	0.00E+00	2.46E-06	4.91E-07	3.12E-06	4.81E-07	7.44E-07	7.29E-06
443	488819.6	3857301	2.38E-02	2.58E-02	4.14E-02	8.25E-06	2.49E-05	1.44E-05	1.56E-05	1.41E-05	6.45E-06	1.04E-05	0.00E+00	0.00E+00	2.65E-06	5.29E-07	3.36E-06	5.18E-07	8.02E-07	7.86E-06
444	488869.6	3857301	2.34E-02	2.52E-02	4.05E-02	8.08E-06	2.44E-05	1.41E-05	1.53E-05	1.38E-05	6.32E-06	1.01E-05	0.00E+00	0.00E+00	2.60E-06	5.19E-07	3.29E-06	5.07E-07	7.86E-07	7.70E-06
445	488919.6	3857301	2.29E-02	2.47E-02	3.97E-02	7.92E-06	2.39E-05	1.38E-05	1.50E-05	1.36E-05	6.19E-06	9.94E-06	0.00E+00	0.00E+00	2.55E-06	5.08E-07	3.22E-06	4.97E-07	7.70E-07	7.55E-06
446	488819.6	3857451	2.49E-02	2.69E-02	4.32E-02	8.61E-06	2.60E-05	1.51E-05	1.63E-05	1.48E-05	6.73E-06	1.08E-05	0.00E+00	0.00E+00	2.77E-06	5.52E-07	3.51E-06	5.41E-07	8.38E-07	8.21E-06
447	488869.6	3857451	2.43E-02	2.63E-02	4.23E-02	8.42E-06	2.54E-05	1.47E-05	1.59E-05	1.44E-05	6.58E-06	1.06E-05	0.00E+00	0.00E+00	2.71E-06	5.40E-07	3.43E-06	5.29E-07	8.19E-07	8.02E-06
448	488919.6	3857451	2.38E-02	2.57E-02	4.13E-02	8.23E-06	2.49E-05	1.44E-05	1.56E-05	1.41E-05	6.44E-06	1.03E-05	0.00E+00	0.00E+00	2.65E-06	5.28E-07	3.35E-06	5.17E-07	8.01E-07	7.84E-06
449	488819.6	3857501	2.52E-02	2.73E-02	4.38E-02	8.72E-06	2.63E-05	1.52E-05	1.65E-05	1.49E-05	6.82E-06	1.10E-05	0.00E+00	0.00E+00	2.81E-06	5.60E-07	3.55E-06	5.48E-07	8.49E-07	8.31E-06

450	488869.6	3857501	2.46E-02	2.66E-02	4.28E-02	8.52E-06	2.57E-05	1.49E-05	1.61E-05	1.46E-05	6.66E-06	1.07E-05	0.00E+00	0.00E+00	2.74E-06	5.47E-07	3.47E-06	5.35E-07	8.29E-07	8.12E-06
451	488919.6	3857501	2.41E-02	2.60E-02	4.18E-02	8.33E-06	2.51E-05	1.46E-05	1.57E-05	1.43E-05	6.51E-06	1.05E-05	0.00E+00	0.00E+00	2.68E-06	5.34E-07	3.39E-06	5.23E-07	8.10E-07	7.94E-06
452	488819.6	3857551	2.55E-02	2.76E-02	4.44E-02	8.83E-06	2.67E-05	1.54E-05	1.67E-05	1.51E-05	6.90E-06	1.11E-05	0.00E+00	0.00E+00	2.84E-06	5.67E-07	3.60E-06	5.54E-07	8.60E-07	8.42E-06
453	488869.6	3857551	2.49E-02	2.69E-02	4.33E-02	8.62E-06	2.60E-05	1.51E-05	1.63E-05	1.48E-05	6.74E-06	1.08E-05	0.00E+00	0.00E+00	2.77E-06	5.53E-07	3.51E-06	5.41E-07	8.39E-07	8.22E-06
454	488919.6	3857551	2.43E-02	2.63E-02	4.23E-02	8.42E-06	2.54E-05	1.47E-05	1.59E-05	1.44E-05	6.58E-06	1.06E-05	0.00E+00	0.00E+00	2.71E-06	5.40E-07	3.43E-06	5.29E-07	8.19E-07	8.02E-06
455	489663.7	3860900	2.05E-03	2.21E-03	3.49E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.21E-06	5.54E-07	8.73E-07	0.00E+00	0.00E+00	2.29E-07	4.55E-08	2.89E-07	4.45E-08	6.76E-08	6.75E-07
456	489813.7	3860900	2.07E-03	2.23E-03	3.52E-03	7.17E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.81E-07	0.00E+00	0.00E+00	2.30E-07	4.58E-08	2.91E-07	4.49E-08	6.82E-08	6.80E-07
457	489863.7	3860900	2.07E-03	2.24E-03	3.53E-03	7.18E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.60E-07	8.82E-07	0.00E+00	0.00E+00	2.31E-07	4.59E-08	2.91E-07	4.49E-08	6.83E-08	6.81E-07
458	489913.7	3860900	2.08E-03	2.24E-03	3.54E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.62E-07	8.86E-07	0.00E+00	0.00E+00	2.32E-07	4.61E-08	2.93E-07	4.51E-08	6.86E-08	6.84E-07
459	489963.7	3860900	2.08E-03	2.25E-03	3.55E-03	7.22E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.88E-07	0.00E+00	0.00E+00	2.32E-07	4.62E-08	2.93E-07	4.52E-08	6.87E-08	6.85E-07
460	490013.7	3860900	2.09E-03	2.26E-03	3.56E-03	7.24E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.65E-07	8.91E-07	0.00E+00	0.00E+00	2.33E-07	4.64E-08	2.94E-07	4.54E-08	6.90E-08	6.88E-07
461	490063.7	3860900	2.10E-03	2.26E-03	3.57E-03	7.26E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.66E-07	8.94E-07	0.00E+00	0.00E+00	2.34E-07	4.65E-08	2.95E-07	4.55E-08	6.92E-08	6.90E-07
462	489663.7	3860950	2.00E-03	2.16E-03	3.41E-03	6.94E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.41E-07	8.52E-07	0.00E+00	0.00E+00	2.23E-07	4.44E-08	2.82E-07	4.34E-08	6.60E-08	6.59E-07
463	489813.7	3860950	2.02E-03	2.18E-03	3.44E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.60E-07	0.00E+00	0.00E+00	2.25E-07	4.47E-08	2.84E-07	4.38E-08	6.66E-08	6.64E-07
464	489863.7	3860950	2.02E-03	2.18E-03	3.44E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.61E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.38E-08	6.67E-08	6.65E-07
465	489913.7	3860950	2.03E-03	2.19E-03	3.45E-03	7.03E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.48E-07	8.64E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.85E-07	4.40E-08	6.69E-08	6.67E-07
466	489963.7	3860950	2.03E-03	2.19E-03	3.46E-03	7.04E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.66E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.86E-07	4.41E-08	6.71E-08	6.68E-07
467	490013.7	3860950	2.04E-03	2.20E-03	3.47E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.69E-07	0.00E+00	0.00E+00	2.27E-07	4.52E-08	2.87E-07	4.42E-08	6.73E-08	6.70E-07
468	490063.7	3860950	2.05E-03	2.21E-03	3.48E-03	7.08E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.52E-07	8.72E-07	0.00E+00	0.00E+00	2.28E-07	4.53E-08	2.88E-07	4.44E-08	6.75E-08	6.73E-07
469	489513.7	3861000	1.95E-03	2.10E-03	3.31E-03	6.74E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.28E-07	0.00E+00	0.00E+00	2.17E-07	4.31E-08	2.74E-07	4.22E-08	6.41E-08	6.40E-07
470	489563.7	3861000	1.95E-03	2.10E-03	3.31E-03	6.75E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.29E-07	0.00E+00	0.00E+00	2.17E-07	4.32E-08	2.74E-07	4.23E-08	6.42E-08	6.41E-07
471	489613.7	3861000	1.96E-03	2.11E-03	3.32E-03	6.77E-07	2.04E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.31E-07	0.00E+00	0.00E+00	2.18E-07	4.33E-08	2.75E-07	4.24E-08	6.44E-08	6.42E-07
472	489663.7	3861000	1.96E-03	2.11E-03	3.33E-03	6.78E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.29E-07	8.33E-07	0.00E+00	0.00E+00	2.18E-07	4.34E-08	2.75E-07	4.25E-08	6.45E-08	6.44E-07
473	489713.7	3861000	1.96E-03	2.12E-03	3.33E-03	6.79E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.29E-07	8.34E-07	0.00E+00	0.00E+00	2.18E-07	4.34E-08	2.76E-07	4.25E-08	6.46E-08	6.45E-07
474	489763.7	3861000	1.97E-03	2.12E-03	3.34E-03	6.81E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.36E-07	0.00E+00	0.00E+00	2.19E-07	4.35E-08	2.76E-07	4.26E-08	6.48E-08	6.46E-07
475	489813.7	3861000	1.97E-03	2.13E-03	3.36E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.40E-07	0.00E+00	0.00E+00	2.20E-07	4.37E-08	2.77E-07	4.28E-08	6.50E-08	6.48E-07
476	489863.7	3861000	1.98E-03	2.13E-03	3.36E-03	6.84E-07	2.06E-06	1.20E-06	1.29E-06	1.17E-06	5.33E-07	8.41E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.28E-08	6.51E-08	6.49E-07
477	489913.7	3861000	1.98E-03	2.14E-03	3.37E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.44E-07	0.00E+00	0.00E+00	2.21E-07	4.39E-08	2.79E-07	4.30E-08	6.53E-08	6.51E-07
478	489963.7	3861000	1.98E-03	2.14E-03	3.38E-03	6.87E-07	2.07E-06	1.20E-06	1.30E-06	1.17E-06	5.36E-07	8.45E-07	0.00E+00	0.00E+00	2.21E-07	4.40E-08	2.79E-07	4.30E-08	6.54E-08	6.52E-07
479	490013.7	3861000	1.99E-03	2.15E-03	3.39E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.37E-07	8.48E-07	0.00E+00	0.00E+00	2.22E-07	4.41E-08	2.80E-07	4.31E-08	6.56E-08	6.54E-07
480	490063.7	3861000	2.00E-03	2.15E-03	3.40E-03	6.91E-07	2.09E-06	1.21E-06	1.30E-06	1.18E-06	5.39E-07	8.50E-07	0.00E+00	0.00E+00	2.22E-07	4.42E-08	2.81E-07	4.33E-08	6.58E-08	6.56E-07
481	489513.7	3861050	1.91E-03	2.06E-03	3.24E-03	6.60E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.10E-07	0.00E+00	0.00E+00	2.12E-07	4.22E-08	2.68E-07	4.13E-08	6.27E-08	6.26E-07
482	489563.7	3861050	1.91E-03	2.06E-03	3.24E-03	6.61E-07	1.99E-06	1.15E-06	1.25E-06	1.13E-06	5.15E-07	8.11E-07	0.00E+00	0.00E+00	2.12E-07	4.23E-08	2.68E-07	4.14E-08	6.28E-08	6.27E-07
483	489613.7	3861050	1.91E-03	2.06E-03	3.25E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.14E-07	0.00E+00	0.00E+00	2.13E-07	4.24E-08	2.69E-07	4.15E-08	6.30E-08	6.29E-07
484	489663.7	3861050	1.92E-03	2.07E-03	3.25E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.14E-07	0.00E+00	0.00E+00	2.13E-07	4.24E-08	2.69E-07	4.15E-08	6.31E-08	6.29E-07
485	489713.7	3861050	1.92E-03	2.07E-03	3.26E-03	6.64E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.15E-07	0.00E+00	0.00E+00	2.13E-07	4.25E-08	2.69E-07	4.15E-08	6.31E-08	6.30E-07
486	489763.7	3861050	1.92E-03	2.07E-03	3.27E-03	6.65E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.18E-07	8.17E-07	0.00E+00	0.00E+00	2.14E-07	4.25E-08	2.70E-07	4.16E-08	6.33E-08	6.31E-07
487	489813.7	3861050	1.93E-03	2.08E-03	3.28E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.20E-07	0.00E+00	0.00E+00	2.14E-07	4.27E-08	2.71E-07	4.17E-08	6.35E-08	6.33E-07
488	489863.7	3861050	1.93E-03	2.08E-03	3.28E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.21E-07	0.00E+00	0.00E+00	2.15E-07	4.27E-08	2.71E-07	4.18E-08	6.36E-08	6.34E-07
489	489913.7	3861050	1.93E-03	2.09E-03	3.29E-03	6.70E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.23E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.72E-07	4.19E-08	6.38E-08	6.36E-07
490	489963.7	3861050	1.94E-03	2.09E-03	3.30E-03	6.71E-07	2.03E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.25E-07	0.00E+00	0.00E+00	2.16E-07	4.29E-08	2.72E-07	4.20E-08	6.39E-08	6.37E-07
491	490013.7	3861050	1.95E-03	2.10E-03	3.31E-03	6.74E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.25E-07	8.29E-07	0.00E+00	0.00E+00	2.17E-07	4.31E-08	2.73E-07	4.22E-08	6.42E-08	6.39E-07
492	490063.7	3861050	1.95E-03	2.10E-03	3.32E-03	6.75E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.30E-07	0.00E+00	0.00E+00	2.17E-07	4.32E-08	2.74E-07	4.23E-08	6.43E-08	6.41E-07
493	489513.7	3861100	1.87E-03	2.02E-03	3.17E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	7.95E-07	0.00E+00	0.00E+00	2.08E-07	4.14E-08	2.63E-07	4.05E-08	6.15E-08	6.14E-07
494	489563.7	3861100	1.87E-03	2.01E-03	3.17E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.10E-06	5.04E-07	7.94E-07	0.00E+00	0.00E+00	2.08E-07	4.14E-08	2.62E-07	4.05E-08	6.15E-08	6.14E-07
495	489613.7	3861100	1.87E-03	2.01E-03	3.17E-03	6.46E-07	1.95E-06	1.13E-06	1.22E-06	1.10E-06	5.03E-07	7.93E-07	0.00E+00	0.00E+00	2.08E-07	4.13E-08	2.62E-07	4.04E-08	6.14E-08	6.13E-07
496	489663.7	3861100	1.87E-03	2.02E-03	3.17E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.04E-07	7.95E-07	0.00E+00	0.00E+00	2.08E-07	4.14E-08	2.63E-07	4.05E-08	6.15E-08	6.14E-07
497	489713.7	3861100	1.87E-03	2.02E-03	3.18E-03	6.48E-07	1.96E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	7.96E-07	0.00E+00	0.00E+00	2.08E-07	4.15E-08	2.63E-07	4.06E-08	6.17E-08	6.15E-07
498	489763.7	3861100	1.88E-03	2.02E-03	3.19E-03	6.49E-07	1.96E-06	1.14E-06	1.22E-06	1.11E-06	5.06E-07	7.98E-07	0.00E+00	0.00E+00	2.09E-07	4.16E-08	2.64E-07	4.07E-08	6.18E-08	6.17E-07
499	489813.7	3861100	1.88E-03	2.03E-03	3.20E-03	6.51E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	8.00E-07	0.00E+00	0.00E+00	2.09E-07	4.17E-08	2.64E-07	4.08E-08	6.20E-08	6.18E-07
500	489863.7	3861100	1.89E-03	2.04E-03	3.21E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.03E-07	0.00E+00	0.00E+00	2.10E-07	4.18E-08	2.65E-07	4.09E-08	6.22E-08	6.20E-07
501	489913.7	3861100	1.89E-03	2.04E-03	3.21E-03	6.54E-07	1.98E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.04E-07	0.00E+00	0.00E+00	2.10E-07	4.19E-08	2.66E-07	4.10E-08	6.23E-08	6.21E-07
502	489963.7	3861100	1.89E-03	2.04E-03	3.22E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	8.06E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.66E-07	4.11E-08	6.24E-08	6.23E-07
503	490013.7	3861100	1.90E-03	2.05E-03	3.23E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.08E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.67E-07	4.11E-08	6.26E-08	6.24E-07
504	490063.7	3861100	1.90E-03	2.05E-03	3.24E-03	6.59E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.13E-07	8.10E-07	0.00E+00	0.00E+00	2.12E-07	4.21E-08	2.67E-07	4.12E-08	6.27E-08	6.25E-07
505	489713.7	3861150	1.83E-03	1.97E-03	3.11E-03	6.34E-07	1.91E-06	1.11E-06	1.19E-06	1.08E-06	4.94E-07	7.78E-07	0.00E+00	0.00E+00	2.04E-07	4.05E-08	2.57E-07	3.97E-08	6.03E-08	6.01E-07
506	489763.7	3861150	1.83E-03	1.98E-03	3.12E-03	6.35E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.95E-07	7.80E-07	0.00E+00	0.00E+00	2.04E-07	4.06E-08	2.58E-07	3.98E-08	6.04E-08	6.03E-07

507	489813.7	3861150	1.84E-03	1.98E-03	3.13E-03	6.37E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.82E-07	0.00E+00	0.00E+00	2.05E-07	4.07E-08	2.58E-07	3.99E-08	6.06E-08	6.04E-07
508	489863.7	3861150	1.84E-03	1.99E-03	3.13E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.97E-07	7.84E-07	0.00E+00	0.00E+00	2.05E-07	4.08E-08	2.59E-07	3.99E-08	6.07E-08	6.06E-07
509	489913.7	3861150	1.85E-03	1.99E-03	3.14E-03	6.39E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.86E-07	0.00E+00	0.00E+00	2.06E-07	4.09E-08	2.59E-07	4.00E-08	6.08E-08	6.07E-07
510	489963.7	3861150	1.85E-03	1.99E-03	3.15E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.87E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.01E-08	6.09E-08	6.08E-07
511	490013.7	3861150	1.85E-03	2.00E-03	3.15E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.89E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.01E-08	6.11E-08	6.09E-07
512	490063.7	3861150	1.86E-03	2.00E-03	3.16E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.91E-07	0.00E+00	0.00E+00	2.07E-07	4.11E-08	2.61E-07	4.03E-08	6.13E-08	6.11E-07
513	489613.7	3861200	1.78E-03	1.92E-03	3.03E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.58E-07	0.00E+00	0.00E+00	1.98E-07	3.95E-08	2.51E-07	3.86E-08	5.87E-08	5.86E-07
514	489663.7	3861200	1.79E-03	1.93E-03	3.04E-03	6.19E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.82E-07	7.60E-07	0.00E+00	0.00E+00	1.99E-07	3.96E-08	2.51E-07	3.87E-08	5.88E-08	5.87E-07
515	489713.7	3861200	1.79E-03	1.93E-03	3.04E-03	6.20E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.61E-07	0.00E+00	0.00E+00	1.99E-07	3.97E-08	2.52E-07	3.88E-08	5.90E-08	5.88E-07
516	489763.7	3861200	1.79E-03	1.93E-03	3.05E-03	6.21E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.84E-07	7.63E-07	0.00E+00	0.00E+00	2.00E-07	3.97E-08	2.52E-07	3.89E-08	5.91E-08	5.90E-07
517	489813.7	3861200	1.80E-03	1.94E-03	3.06E-03	6.23E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.85E-07	7.65E-07	0.00E+00	0.00E+00	2.00E-07	3.98E-08	2.53E-07	3.90E-08	5.92E-08	5.91E-07
518	489863.7	3861200	1.80E-03	1.94E-03	3.07E-03	6.24E-07	1.88E-06	1.09E-06	1.18E-06	1.07E-06	4.87E-07	7.67E-07	0.00E+00	0.00E+00	2.01E-07	3.99E-08	2.53E-07	3.91E-08	5.94E-08	5.93E-07
519	489913.7	3861200	1.81E-03	1.95E-03	3.07E-03	6.25E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.87E-07	7.69E-07	0.00E+00	0.00E+00	2.01E-07	4.00E-08	2.54E-07	3.91E-08	5.95E-08	5.94E-07
520	489963.7	3861200	1.81E-03	1.95E-03	3.08E-03	6.26E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.70E-07	0.00E+00	0.00E+00	2.01E-07	4.00E-08	2.54E-07	3.92E-08	5.96E-08	5.94E-07
521	490013.7	3861200	1.81E-03	1.95E-03	3.08E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.89E-07	7.71E-07	0.00E+00	0.00E+00	2.02E-07	4.01E-08	2.55E-07	3.93E-08	5.97E-08	5.96E-07
522	490063.7	3861200	1.82E-03	1.96E-03	3.09E-03	6.28E-07	1.90E-06	1.10E-06	1.18E-06	1.07E-06	4.90E-07	7.73E-07	0.00E+00	0.00E+00	2.02E-07	4.02E-08	2.55E-07	3.93E-08	5.99E-08	5.97E-07
523	489513.7	3861250	1.74E-03	1.87E-03	2.95E-03	6.02E-07	1.82E-06	1.05E-06	1.13E-06	1.03E-06	4.69E-07	7.38E-07	0.00E+00	0.00E+00	1.94E-07	3.85E-08	2.44E-07	3.77E-08	5.72E-08	5.71E-07
524	489563.7	3861250	1.74E-03	1.88E-03	2.96E-03	6.03E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.41E-07	0.00E+00	0.00E+00	1.94E-07	3.86E-08	2.45E-07	3.78E-08	5.73E-08	5.73E-07
525	489613.7	3861250	1.75E-03	1.88E-03	2.97E-03	6.05E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.71E-07	7.42E-07	0.00E+00	0.00E+00	1.94E-07	3.87E-08	2.45E-07	3.79E-08	5.75E-08	5.74E-07
526	489663.7	3861250	1.75E-03	1.89E-03	2.97E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.72E-07	7.44E-07	0.00E+00	0.00E+00	1.95E-07	3.87E-08	2.46E-07	3.79E-08	5.76E-08	5.75E-07
527	489713.7	3861250	1.75E-03	1.89E-03	2.98E-03	6.07E-07	1.83E-06	1.06E-06	1.14E-06	1.04E-06	4.73E-07	7.45E-07	0.00E+00	0.00E+00	1.95E-07	3.88E-08	2.46E-07	3.80E-08	5.77E-08	5.76E-07
528	489763.7	3861250	1.76E-03	1.89E-03	2.98E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.47E-07	0.00E+00	0.00E+00	1.95E-07	3.89E-08	2.47E-07	3.81E-08	5.78E-08	5.77E-07
529	489813.7	3861250	1.76E-03	1.90E-03	2.99E-03	6.09E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.48E-07	0.00E+00	0.00E+00	1.96E-07	3.90E-08	2.47E-07	3.81E-08	5.80E-08	5.78E-07
530	489863.7	3861250	1.76E-03	1.90E-03	3.00E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.50E-07	0.00E+00	0.00E+00	1.96E-07	3.90E-08	2.48E-07	3.82E-08	5.81E-08	5.79E-07
531	489913.7	3861250	1.77E-03	1.91E-03	3.01E-03	6.12E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.77E-07	7.52E-07	0.00E+00	0.00E+00	1.97E-07	3.91E-08	2.48E-07	3.83E-08	5.82E-08	5.81E-07
532	489963.7	3861250	1.77E-03	1.91E-03	3.01E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.54E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.49E-07	3.84E-08	5.84E-08	5.82E-07
533	490013.7	3861250	1.77E-03	1.91E-03	3.02E-03	6.14E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.55E-07	0.00E+00	0.00E+00	1.97E-07	3.93E-08	2.49E-07	3.84E-08	5.85E-08	5.83E-07
534	490063.7	3861250	1.78E-03	1.91E-03	3.02E-03	6.14E-07	1.86E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.56E-07	0.00E+00	0.00E+00	1.98E-07	3.93E-08	2.49E-07	3.85E-08	5.85E-08	5.83E-07
535	489528.1	3861308	1.70E-03	1.83E-03	2.88E-03	5.87E-07	1.77E-06	1.03E-06	1.11E-06	1.00E-06	4.58E-07	7.21E-07	0.00E+00	0.00E+00	1.89E-07	3.76E-08	2.38E-07	3.68E-08	5.58E-08	5.57E-07
536	489578.1	3861308	1.70E-03	1.83E-03	2.89E-03	5.89E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.59E-07	7.23E-07	0.00E+00	0.00E+00	1.89E-07	3.77E-08	2.39E-07	3.68E-08	5.60E-08	5.59E-07
537	489628.1	3861308	1.70E-03	1.84E-03	2.89E-03	5.90E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.60E-07	7.24E-07	0.00E+00	0.00E+00	1.90E-07	3.77E-08	2.39E-07	3.69E-08	5.61E-08	5.60E-07
538	489678.1	3861308	1.71E-03	1.84E-03	2.90E-03	5.91E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.61E-07	7.26E-07	0.00E+00	0.00E+00	1.90E-07	3.78E-08	2.40E-07	3.70E-08	5.62E-08	5.61E-07
539	489728.1	3861308	1.71E-03	1.85E-03	2.91E-03	5.92E-07	1.79E-06	1.04E-06	1.12E-06	1.01E-06	4.62E-07	7.28E-07	0.00E+00	0.00E+00	1.90E-07	3.79E-08	2.40E-07	3.71E-08	5.63E-08	5.62E-07
540	489778.1	3861308	1.71E-03	1.85E-03	2.91E-03	5.93E-07	1.79E-06	1.04E-06	1.12E-06	1.01E-06	4.62E-07	7.29E-07	0.00E+00	0.00E+00	1.91E-07	3.79E-08	2.41E-07	3.71E-08	5.64E-08	5.63E-07
541	489678.1	3861358	1.67E-03	1.80E-03	2.84E-03	5.79E-07	1.75E-06	1.01E-06	1.09E-06	9.89E-07	4.51E-07	7.11E-07	0.00E+00	0.00E+00	1.86E-07	3.70E-08	2.35E-07	3.62E-08	5.50E-08	5.49E-07
542	489728.1	3861358	1.68E-03	1.81E-03	2.85E-03	5.80E-07	1.75E-06	1.01E-06	1.09E-06	9.91E-07	4.52E-07	7.12E-07	0.00E+00	0.00E+00	1.86E-07	3.71E-08	2.35E-07	3.63E-08	5.52E-08	5.50E-07
543	489528.1	3861408	1.63E-03	1.76E-03	2.76E-03	5.64E-07	1.70E-06	9.85E-07	1.06E-06	9.63E-07	4.39E-07	6.91E-07	0.00E+00	0.00E+00	1.81E-07	3.60E-08	2.29E-07	3.53E-08	5.35E-08	5.35E-07
544	489578.1	3861408	1.63E-03	1.76E-03	2.77E-03	5.65E-07	1.71E-06	9.87E-07	1.06E-06	9.65E-07	4.40E-07	6.93E-07	0.00E+00	0.00E+00	1.82E-07	3.61E-08	2.29E-07	3.53E-08	5.37E-08	5.36E-07
545	489628.1	3861408	1.64E-03	1.77E-03	2.78E-03	5.67E-07	1.71E-06	9.91E-07	1.07E-06	9.68E-07	4.42E-07	6.96E-07	0.00E+00	0.00E+00	1.82E-07	3.62E-08	2.30E-07	3.55E-08	5.39E-08	5.38E-07
546	489678.1	3861408	1.64E-03	1.77E-03	2.78E-03	5.67E-07	1.71E-06	9.92E-07	1.07E-06	9.69E-07	4.42E-07	6.97E-07	0.00E+00	0.00E+00	1.82E-07	3.63E-08	2.30E-07	3.55E-08	5.39E-08	5.39E-07
547	489728.1	3861408	1.64E-03	1.77E-03	2.79E-03	5.68E-07	1.72E-06	9.93E-07	1.07E-06	9.70E-07	4.43E-07	6.98E-07	0.00E+00	0.00E+00	1.83E-07	3.63E-08	2.31E-07	3.56E-08	5.40E-08	5.39E-07
548	489528.1	3861458	1.60E-03	1.72E-03	2.71E-03	5.53E-07	1.67E-06	9.66E-07	1.04E-06	9.44E-07	4.31E-07	6.78E-07	0.00E+00	0.00E+00	1.78E-07	3.54E-08	2.24E-07	3.46E-08	5.25E-08	5.25E-07
549	489578.1	3861458	1.60E-03	1.73E-03	2.72E-03	5.54E-07	1.67E-06	9.68E-07	1.04E-06	9.46E-07	4.32E-07	6.80E-07	0.00E+00	0.00E+00	1.78E-07	3.54E-08	2.25E-07	3.47E-08	5.26E-08	5.26E-07
550	489628.1	3861458	1.60E-03	1.73E-03	2.72E-03	5.55E-07	1.68E-06	9.70E-07	1.05E-06	9.48E-07	4.33E-07	6.81E-07	0.00E+00	0.00E+00	1.78E-07	3.55E-08	2.25E-07	3.47E-08	5.28E-08	5.27E-07
551	489678.1	3861458	1.61E-03	1.73E-03	2.73E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.50E-07	4.33E-07	6.82E-07	0.00E+00	0.00E+00	1.79E-07	3.56E-08	2.26E-07	3.48E-08	5.28E-08	5.28E-07
552	489728.1	3861458	1.61E-03	1.73E-03	2.73E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.50E-07	4.33E-07	6.83E-07	0.00E+00	0.00E+00	1.79E-07	3.56E-08	2.26E-07	3.48E-08	5.29E-08	5.28E-07
553	489528.1	3861508	1.57E-03	1.69E-03	2.66E-03	5.42E-07	1.64E-06	9.47E-07	1.02E-06	9.26E-07	4.23E-07	6.65E-07	0.00E+00	0.00E+00	1.74E-07	3.47E-08	2.20E-07	3.39E-08	5.15E-08	5.14E-07
554	489578.1	3861508	1.57E-03	1.69E-03	2.66E-03	5.43E-07	1.64E-06	9.49E-07	1.02E-06	9.27E-07	4.23E-07	6.66E-07	0.00E+00	0.00E+00	1.75E-07	3.47E-08	2.20E-07	3.40E-08	5.16E-08	5.15E-07
555	489628.1	3861508	1.57E-03	1.69E-03	2.67E-03	5.44E-07	1.64E-06	9.51E-07	1.02E-06	9.29E-07	4.24E-07	6.67E-07	0.00E+00	0.00E+00	1.75E-07	3.48E-08	2.21E-07	3.40E-08	5.17E-08	5.16E-07
556	489678.1	3861508	1.57E-03	1.70E-03	2.67E-03	5.44E-07	1.64E-06	9.52E-07	1.03E-06	9.30E-07	4.24E-07	6.68E-07	0.00E+00	0.00E+00	1.75E-07	3.48E-08	2.21E-07	3.41E-08	5.17E-08	5.17E-07
557	489728.1	3861508	1.57E-03	1.70E-03	2.67E-03	5.45E-07	1.65E-06	9.52E-07	1.03E-06	9.31E-07	4.25E-07	6.69E-07	0.00E+00	0.00E+00	1.75E-07	3.49E-08	2.21E-07	3.41E-08	5.18E-08	5.17E-07
558	489628.1	3861558	1.54E-03	1.66E-03	2.62E-03	5.34E-07	1.61E-06	9.33E-07	1.01E-06	9.12E-07	4.16E-07	6.55E-07	0.00E+00	0.00E+00	1.72E-07	3.41E-08	2.17E-07	3.34E-08	5.07E-08	5.07E-07
559	489678.1	3861558	1.55E-03	1.67E-03	2.62E-03	5.35E-07	1.62E-06	9.35E-07	1.01E-06	9.14E-07	4.17E-07	6.57E-07	0.00E+00	0.00E+00	1.72E-07	3.42E-08	2.17E-07	3.35E-08	5.09E-08	5.08E-07
560	489728.1	3861558	1.55E-03	1.67E-03	2.63E-03	5.36E-07	1.62E-06	9.36E-07	1.01E-06	9.15E-07	4.17E-07	6.58E-07	0.00E+00	0.00E+00	1.72E-07	3.43E-08	2.17E-07	3.35E-08	5.09E-08	5.08E-07
561	489357.1	3861016	1.93E-03	2.08E-03	3.27E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.18E-07	0.00E+00	0.00E+00	2.14E-07	4.26E-08	2.71E-07	4.17E-08	6.33E-08	6.33E-07
562	489407.1	3861016	1.93E-03	2.08E-03	3.27E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.18E-07	0.00E+00	0.00E+00	2.14E-07	4.26E-08	2.71E-07	4.17E-08	6.33E-08	6.33E-07
563	489457.1	3861016	1.93E-03	2.08E-03	3.27E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.19E-07	0.00E+00	0.00E+00	2.15E-07	4.27E-08	2.71E-07	4.18E-08	6.34E-08	6.34E-07

564	489357.1	3861066	1.88E-03	2.03E-03	3.20E-03	6.52E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	8.00E-07	0.00E+00	0.00E+00	2.10E-07	4.17E-08	2.65E-07	4.08E-08	6.19E-08	6.19E-07
565	489407.1	3861066	1.88E-03	2.03E-03	3.20E-03	6.52E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	8.00E-07	0.00E+00	0.00E+00	2.10E-07	4.17E-08	2.65E-07	4.08E-08	6.20E-08	6.19E-07
566	489457.1	3861066	1.89E-03	2.03E-03	3.20E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.09E-07	8.01E-07	0.00E+00	0.00E+00	2.10E-07	4.18E-08	2.65E-07	4.09E-08	6.21E-08	6.20E-07
567	489357.1	3861116	1.84E-03	1.99E-03	3.13E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.97E-07	7.83E-07	0.00E+00	0.00E+00	2.05E-07	4.08E-08	2.59E-07	3.99E-08	6.06E-08	6.06E-07
568	489407.1	3861116	1.85E-03	1.99E-03	3.13E-03	6.39E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.84E-07	0.00E+00	0.00E+00	2.06E-07	4.09E-08	2.59E-07	4.00E-08	6.07E-08	6.07E-07
569	489457.1	3861116	1.85E-03	1.99E-03	3.14E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.85E-07	0.00E+00	0.00E+00	2.06E-07	4.09E-08	2.60E-07	4.01E-08	6.08E-08	6.07E-07
570	489407.1	3861166	1.81E-03	1.95E-03	3.07E-03	6.26E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.68E-07	0.00E+00	0.00E+00	2.01E-07	4.01E-08	2.54E-07	3.92E-08	5.95E-08	5.94E-07
571	489457.1	3861166	1.81E-03	1.95E-03	3.07E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.88E-07	7.69E-07	0.00E+00	0.00E+00	2.01E-07	4.01E-08	2.54E-07	3.92E-08	5.95E-08	5.95E-07
572	489407.1	3861216	1.76E-03	1.90E-03	2.99E-03	6.11E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.49E-07	0.00E+00	0.00E+00	1.96E-07	3.90E-08	2.48E-07	3.82E-08	5.80E-08	5.79E-07
573	489457.1	3861216	1.77E-03	1.90E-03	3.00E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.50E-07	0.00E+00	0.00E+00	1.97E-07	3.91E-08	2.48E-07	3.83E-08	5.81E-08	5.80E-07
574	489407.1	3861266	1.72E-03	1.85E-03	2.92E-03	5.95E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.64E-07	7.30E-07	0.00E+00	0.00E+00	1.91E-07	3.81E-08	2.42E-07	3.73E-08	5.65E-08	5.65E-07
575	489457.1	3861266	1.72E-03	1.86E-03	2.92E-03	5.97E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.65E-07	7.32E-07	0.00E+00	0.00E+00	1.92E-07	3.82E-08	2.42E-07	3.73E-08	5.67E-08	5.66E-07
576	489309.9	3861110	1.84E-03	1.99E-03	3.13E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.97E-07	7.82E-07	0.00E+00	0.00E+00	2.05E-07	4.08E-08	2.59E-07	3.99E-08	6.06E-08	6.06E-07
577	489407.1	3861316	1.68E-03	1.81E-03	2.86E-03	5.83E-07	1.76E-06	1.02E-06	1.10E-06	9.96E-07	4.54E-07	7.15E-07	0.00E+00	0.00E+00	1.87E-07	3.73E-08	2.37E-07	3.65E-08	5.53E-08	5.53E-07
578	489457.1	3861316	1.69E-03	1.82E-03	2.86E-03	5.84E-07	1.76E-06	1.02E-06	1.10E-06	9.98E-07	4.55E-07	7.17E-07	0.00E+00	0.00E+00	1.88E-07	3.74E-08	2.37E-07	3.66E-08	5.55E-08	5.54E-07
579	488906	3861007	1.92E-03	2.07E-03	3.26E-03	6.65E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.19E-07	8.15E-07	0.00E+00	0.00E+00	2.14E-07	4.26E-08	2.70E-07	4.16E-08	6.31E-08	6.31E-07
580	488956	3861007	1.93E-03	2.08E-03	3.27E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.18E-07	0.00E+00	0.00E+00	2.15E-07	4.27E-08	2.71E-07	4.18E-08	6.34E-08	6.34E-07
581	488904.2	3861052	1.91E-03	2.06E-03	3.23E-03	6.61E-07	2.00E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.10E-07	0.00E+00	0.00E+00	2.12E-07	4.23E-08	2.68E-07	4.13E-08	6.27E-08	6.27E-07
582	488954.2	3861052	1.90E-03	2.05E-03	3.22E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.12E-06	5.13E-07	8.06E-07	0.00E+00	0.00E+00	2.12E-07	4.21E-08	2.67E-07	4.12E-08	6.24E-08	6.24E-07
583	489004.2	3861052	1.91E-03	2.06E-03	3.24E-03	6.61E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.15E-07	8.10E-07	0.00E+00	0.00E+00	2.13E-07	4.23E-08	2.68E-07	4.14E-08	6.27E-08	6.27E-07
584	488804.2	3861102	1.85E-03	1.99E-03	3.13E-03	6.41E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.85E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.01E-08	6.07E-08	6.08E-07
585	488854.2	3861102	1.86E-03	2.00E-03	3.15E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.88E-07	0.00E+00	0.00E+00	2.07E-07	4.11E-08	2.61E-07	4.02E-08	6.10E-08	6.10E-07
586	488904.2	3861102	1.84E-03	1.98E-03	3.12E-03	6.37E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.80E-07	0.00E+00	0.00E+00	2.05E-07	4.07E-08	2.59E-07	3.99E-08	6.04E-08	6.04E-07
587	488954.2	3861102	1.84E-03	1.98E-03	3.11E-03	6.36E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.95E-07	7.79E-07	0.00E+00	0.00E+00	2.04E-07	4.07E-08	2.58E-07	3.98E-08	6.03E-08	6.03E-07
588	489004.2	3861102	1.84E-03	1.98E-03	3.12E-03	6.37E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.80E-07	0.00E+00	0.00E+00	2.05E-07	4.07E-08	2.58E-07	3.98E-08	6.04E-08	6.04E-07
589	488804.2	3861152	1.79E-03	1.93E-03	3.02E-03	6.18E-07	1.87E-06	1.08E-06	1.16E-06	1.06E-06	4.82E-07	7.57E-07	0.00E+00	0.00E+00	1.99E-07	3.95E-08	2.51E-07	3.87E-08	5.86E-08	5.87E-07
590	488854.2	3861152	1.78E-03	1.92E-03	3.02E-03	6.18E-07	1.87E-06	1.08E-06	1.16E-06	1.06E-06	4.81E-07	7.57E-07	0.00E+00	0.00E+00	1.99E-07	3.95E-08	2.51E-07	3.87E-08	5.86E-08	5.86E-07
591	489129.5	3861188	1.77E-03	1.90E-03	2.99E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.49E-07	0.00E+00	0.00E+00	1.97E-07	3.91E-08	2.48E-07	3.83E-08	5.80E-08	5.80E-07
592	489179.5	3861188	1.77E-03	1.91E-03	3.00E-03	6.12E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.77E-07	7.50E-07	0.00E+00	0.00E+00	1.97E-07	3.91E-08	2.48E-07	3.83E-08	5.81E-08	5.81E-07
593	488804.2	3861202	1.75E-03	1.89E-03	2.96E-03	6.05E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.72E-07	7.41E-07	0.00E+00	0.00E+00	1.95E-07	3.87E-08	2.46E-07	3.79E-08	5.74E-08	5.74E-07
594	488854.2	3861202	1.74E-03	1.88E-03	2.95E-03	6.03E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.39E-07	0.00E+00	0.00E+00	1.94E-07	3.86E-08	2.45E-07	3.78E-08	5.72E-08	5.72E-07
595	489129.5	3861238	1.73E-03	1.87E-03	2.94E-03	6.00E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.68E-07	7.35E-07	0.00E+00	0.00E+00	1.93E-07	3.84E-08	2.43E-07	3.75E-08	5.69E-08	5.69E-07
596	489179.5	3861238	1.73E-03	1.87E-03	2.93E-03	5.99E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.34E-07	0.00E+00	0.00E+00	1.93E-07	3.83E-08	2.43E-07	3.75E-08	5.69E-08	5.69E-07
597	488804.2	3861252	1.71E-03	1.85E-03	2.90E-03	5.94E-07	1.79E-06	1.04E-06	1.12E-06	1.01E-06	4.63E-07	7.27E-07	0.00E+00	0.00E+00	1.91E-07	3.80E-08	2.41E-07	3.71E-08	5.63E-08	5.63E-07
598	488854.2	3861252	1.71E-03	1.84E-03	2.89E-03	5.91E-07	1.79E-06	1.03E-06	1.11E-06	1.01E-06	4.61E-07	7.24E-07	0.00E+00	0.00E+00	1.90E-07	3.78E-08	2.40E-07	3.70E-08	5.61E-08	5.61E-07
599	488804.2	3861302	1.68E-03	1.81E-03	2.84E-03	5.81E-07	1.75E-06	1.01E-06	1.09E-06	9.91E-07	4.52E-07	7.11E-07	0.00E+00	0.00E+00	1.87E-07	3.71E-08	2.36E-07	3.63E-08	5.50E-08	5.51E-07
600	488854.2	3861302	1.67E-03	1.80E-03	2.83E-03	5.79E-07	1.75E-06	1.01E-06	1.09E-06	9.89E-07	4.51E-07	7.09E-07	0.00E+00	0.00E+00	1.86E-07	3.70E-08	2.35E-07	3.63E-08	5.49E-08	5.50E-07
601	490943.5	3860182	2.81E-03	3.03E-03	4.79E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.66E-06	7.59E-07	1.20E-06	0.00E+00	0.00E+00	3.13E-07	6.23E-08	3.95E-07	6.10E-08	9.27E-08	9.24E-07
602	490993.5	3860182	2.82E-03	3.04E-03	4.80E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.61E-07	1.20E-06	0.00E+00	0.00E+00	3.14E-07	6.24E-08	3.96E-07	6.11E-08	9.30E-08	9.27E-07
603	491043.5	3860182	2.83E-03	3.05E-03	4.81E-03	9.79E-07	2.96E-06	1.71E-06	1.85E-06	1.67E-06	7.63E-07	1.20E-06	0.00E+00	0.00E+00	3.15E-07	6.26E-08	3.97E-07	6.13E-08	9.33E-08	9.29E-07
604	491093.5	3860182	2.83E-03	3.06E-03	4.82E-03	9.81E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.65E-07	1.21E-06	0.00E+00	0.00E+00	3.15E-07	6.28E-08	3.98E-07	6.14E-08	9.34E-08	9.31E-07
605	490943.5	3860232	2.72E-03	2.93E-03	4.62E-03	9.40E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.16E-06	0.00E+00	0.00E+00	3.02E-07	6.02E-08	3.82E-07	5.89E-08	8.96E-08	8.93E-07
606	490993.5	3860232	2.73E-03	2.94E-03	4.64E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.16E-06	0.00E+00	0.00E+00	3.04E-07	6.04E-08	3.83E-07	5.91E-08	9.00E-08	8.97E-07
607	491043.5	3860232	2.73E-03	2.95E-03	4.65E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.16E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.01E-08	8.98E-07
608	491093.5	3860232	2.73E-03	2.95E-03	4.66E-03	9.47E-07	2.86E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.06E-08	3.84E-07	5.93E-08	9.02E-08	8.99E-07
609	490943.5	3860282	2.63E-03	2.84E-03	4.48E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.12E-06	0.00E+00	0.00E+00	2.93E-07	5.82E-08	3.70E-07	5.70E-08	8.68E-08	8.64E-07
610	490993.5	3860282	2.64E-03	2.84E-03	4.49E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.12E-06	0.00E+00	0.00E+00	2.94E-07	5.84E-08	3.71E-07	5.72E-08	8.70E-08	8.67E-07
611	491043.5	3860282	2.64E-03	2.85E-03	4.50E-03	9.14E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.72E-08	8.71E-08	8.68E-07
612	491093.5	3860282	2.64E-03	2.85E-03	4.50E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.73E-08	8.73E-08	8.69E-07
613	490943.5	3860332	2.55E-03	2.75E-03	4.34E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.58E-07	5.52E-08	8.41E-08	8.38E-07
614	490993.5	3860332	2.55E-03	2.75E-03	4.34E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.58E-07	5.53E-08	8.41E-08	8.38E-07
615	491043.5	3860332	2.55E-03	2.75E-03	4.35E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.59E-07	5.53E-08	8.42E-08	8.39E-07
616	491093.5	3860332	2.56E-03	2.76E-03	4.35E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.44E-08	8.40E-07
617	490086.7	3859935	3.32E-03	3.58E-03	5.63E-03	1.15E-06	3.47E-06	2.01E-06	2.16E-06	1.96E-06	8.95E-07	1.41E-06	0.00E+00	0.00E+00	3.69E-07	7.34E-08	4.66E-07	7.19E-08	1.09E-07	1.09E-06
618	490136.7	3859935	3.30E-03	3.56E-03	5.61E-03	1.14E-06	3.45E-06	2.00E-06	2.16E-06	1.95E-06	8.92E-07	1.40E-06	0.00E+00	0.00E+00	3.68E-07	7.32E-08	4.64E-07	7.16E-08	1.09E-07	1.09E-06
619	490186.7	3859935	3.30E-03	3.55E-03	5.60E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.89E-07	1.40E-06	0.00E+00	0.00E+00	3.67E-07	7.30E-08	4.63E-07	7.14E-08	1.08E-07	1.08E-06
620	490236.7	3859935	3.29E-03	3.55E-03	5.59E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.88E-07	1.40E-06	0.00E+00	0.00E+00	3.66E-07	7.29E-08	4.62E-07	7.13E-08	1.08E-07	1.08E-06

621	490286.7	3859935	3.29E-03	3.54E-03	5.58E-03	1.14E-06	3.44E-06	1.99E-06	2.14E-06	1.94E-06	8.87E-07	1.40E-06	0.00E+00	0.00E+00	3.66E-07	7.28E-08	4.62E-07	7.12E-08	1.08E-07	1.08E-06
622	490336.7	3859935	3.29E-03	3.54E-03	5.58E-03	1.14E-06	3.44E-06	1.99E-06	2.14E-06	1.94E-06	8.87E-07	1.40E-06	0.00E+00	0.00E+00	3.66E-07	7.28E-08	4.62E-07	7.12E-08	1.08E-07	1.08E-06
623	490386.7	3859935	3.29E-03	3.55E-03	5.59E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.88E-07	1.40E-06	0.00E+00	0.00E+00	3.66E-07	7.29E-08	4.62E-07	7.13E-08	1.08E-07	1.08E-06
624	490436.7	3859935	3.30E-03	3.55E-03	5.60E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.89E-07	1.40E-06	0.00E+00	0.00E+00	3.67E-07	7.30E-08	4.63E-07	7.14E-08	1.08E-07	1.08E-06
625	490486.7	3859935	3.30E-03	3.56E-03	5.61E-03	1.14E-06	3.45E-06	2.00E-06	2.16E-06	1.95E-06	8.92E-07	1.40E-06	0.00E+00	0.00E+00	3.68E-07	7.32E-08	4.64E-07	7.16E-08	1.09E-07	1.09E-06
626	490536.7	3859935	3.32E-03	3.58E-03	5.64E-03	1.15E-06	3.47E-06	2.01E-06	2.17E-06	1.96E-06	8.96E-07	1.41E-06	0.00E+00	0.00E+00	3.70E-07	7.36E-08	4.67E-07	7.20E-08	1.09E-07	1.09E-06
627	490586.7	3859935	3.34E-03	3.60E-03	5.68E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.02E-07	1.42E-06	0.00E+00	0.00E+00	3.72E-07	7.40E-08	4.70E-07	7.24E-08	1.10E-07	1.10E-06
628	490636.7	3859935	3.36E-03	3.62E-03	5.70E-03	1.16E-06	3.51E-06	2.03E-06	2.19E-06	1.99E-06	9.06E-07	1.43E-06	0.00E+00	0.00E+00	3.74E-07	7.44E-08	4.72E-07	7.28E-08	1.11E-07	1.10E-06
629	490686.7	3859935	3.38E-03	3.65E-03	5.75E-03	1.17E-06	3.54E-06	2.05E-06	2.21E-06	2.00E-06	9.13E-07	1.44E-06	0.00E+00	0.00E+00	3.77E-07	7.49E-08	4.75E-07	7.33E-08	1.11E-07	1.11E-06
630	490736.7	3859935	3.40E-03	3.67E-03	5.78E-03	1.18E-06	3.55E-06	2.06E-06	2.22E-06	2.01E-06	9.18E-07	1.45E-06	0.00E+00	0.00E+00	3.79E-07	7.53E-08	4.78E-07	7.37E-08	1.12E-07	1.12E-06
631	490086.7	3859985	3.22E-03	3.48E-03	5.48E-03	1.12E-06	3.37E-06	1.95E-06	2.10E-06	1.91E-06	8.70E-07	1.37E-06	0.00E+00	0.00E+00	3.59E-07	7.14E-08	4.53E-07	6.99E-08	1.06E-07	1.06E-06
632	490136.7	3859985	3.21E-03	3.46E-03	5.45E-03	1.11E-06	3.35E-06	1.94E-06	2.09E-06	1.90E-06	8.66E-07	1.36E-06	0.00E+00	0.00E+00	3.57E-07	7.11E-08	4.51E-07	6.95E-08	1.06E-07	1.05E-06
633	490186.7	3859985	3.20E-03	3.45E-03	5.43E-03	1.11E-06	3.34E-06	1.93E-06	2.09E-06	1.89E-06	8.63E-07	1.36E-06	0.00E+00	0.00E+00	3.56E-07	7.08E-08	4.49E-07	6.93E-08	1.05E-07	1.05E-06
634	490236.7	3859985	3.19E-03	3.44E-03	5.42E-03	1.10E-06	3.34E-06	1.93E-06	2.08E-06	1.89E-06	8.61E-07	1.36E-06	0.00E+00	0.00E+00	3.55E-07	7.07E-08	4.48E-07	6.92E-08	1.05E-07	1.05E-06
635	490286.7	3859985	3.18E-03	3.43E-03	5.41E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.88E-06	8.59E-07	1.35E-06	0.00E+00	0.00E+00	3.54E-07	7.05E-08	4.47E-07	6.90E-08	1.05E-07	1.05E-06
636	490336.7	3859985	3.18E-03	3.43E-03	5.40E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.58E-07	1.35E-06	0.00E+00	0.00E+00	3.54E-07	7.04E-08	4.47E-07	6.89E-08	1.05E-07	1.04E-06
637	490386.7	3859985	3.17E-03	3.42E-03	5.39E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.57E-07	1.35E-06	0.00E+00	0.00E+00	3.53E-07	7.03E-08	4.46E-07	6.88E-08	1.05E-07	1.04E-06
638	490436.7	3859985	3.17E-03	3.42E-03	5.40E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.57E-07	1.35E-06	0.00E+00	0.00E+00	3.53E-07	7.03E-08	4.46E-07	6.88E-08	1.05E-07	1.04E-06
639	490486.7	3859985	3.18E-03	3.43E-03	5.40E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.58E-07	1.35E-06	0.00E+00	0.00E+00	3.54E-07	7.04E-08	4.47E-07	6.89E-08	1.05E-07	1.04E-06
640	490536.7	3859985	3.19E-03	3.44E-03	5.42E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.89E-06	8.61E-07	1.36E-06	0.00E+00	0.00E+00	3.55E-07	7.06E-08	4.48E-07	6.91E-08	1.05E-07	1.05E-06
641	490586.7	3859985	3.21E-03	3.46E-03	5.45E-03	1.11E-06	3.35E-06	1.94E-06	2.09E-06	1.90E-06	8.65E-07	1.36E-06	0.00E+00	0.00E+00	3.57E-07	7.10E-08	4.50E-07	6.95E-08	1.06E-07	1.05E-06
642	490636.7	3859985	3.22E-03	3.48E-03	5.48E-03	1.12E-06	3.37E-06	1.95E-06	2.10E-06	1.91E-06	8.70E-07	1.37E-06	0.00E+00	0.00E+00	3.59E-07	7.14E-08	4.53E-07	6.98E-08	1.06E-07	1.06E-06
643	490686.7	3859985	3.25E-03	3.50E-03	5.52E-03	1.12E-06	3.39E-06	1.96E-06	2.12E-06	1.92E-06	8.76E-07	1.38E-06	0.00E+00	0.00E+00	3.61E-07	7.19E-08	4.56E-07	7.04E-08	1.07E-07	1.07E-06
644	490736.7	3859985	3.26E-03	3.52E-03	5.54E-03	1.13E-06	3.41E-06	1.97E-06	2.13E-06	1.93E-06	8.80E-07	1.39E-06	0.00E+00	0.00E+00	3.63E-07	7.22E-08	4.58E-07	7.07E-08	1.07E-07	1.07E-06
645	490786.7	3859985	3.27E-03	3.53E-03	5.57E-03	1.13E-06	3.42E-06	1.98E-06	2.14E-06	1.94E-06	8.83E-07	1.39E-06	0.00E+00	0.00E+00	3.64E-07	7.25E-08	4.60E-07	7.09E-08	1.08E-07	1.08E-06
646	490086.7	3860035	3.14E-03	3.39E-03	5.34E-03	1.09E-06	3.28E-06	1.90E-06	2.05E-06	1.86E-06	8.48E-07	1.34E-06	0.00E+00	0.00E+00	3.50E-07	6.96E-08	4.42E-07	6.81E-08	1.04E-07	1.03E-06
647	490136.7	3860035	3.12E-03	3.37E-03	5.31E-03	1.08E-06	3.27E-06	1.89E-06	2.04E-06	1.85E-06	8.43E-07	1.33E-06	0.00E+00	0.00E+00	3.48E-07	6.92E-08	4.39E-07	6.77E-08	1.03E-07	1.03E-06
648	490186.7	3860035	3.11E-03	3.35E-03	5.29E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.39E-07	1.32E-06	0.00E+00	0.00E+00	3.46E-07	6.89E-08	4.37E-07	6.74E-08	1.02E-07	1.02E-06
649	490236.7	3860035	3.10E-03	3.34E-03	5.27E-03	1.07E-06	3.24E-06	1.87E-06	2.02E-06	1.83E-06	8.36E-07	1.32E-06	0.00E+00	0.00E+00	3.45E-07	6.86E-08	4.35E-07	6.71E-08	1.02E-07	1.02E-06
650	490286.7	3860035	3.09E-03	3.33E-03	5.25E-03	1.07E-06	3.23E-06	1.87E-06	2.01E-06	1.83E-06	8.33E-07	1.31E-06	0.00E+00	0.00E+00	3.43E-07	6.83E-08	4.34E-07	6.69E-08	1.02E-07	1.01E-06
651	490336.7	3860035	3.08E-03	3.32E-03	5.24E-03	1.07E-06	3.22E-06	1.86E-06	2.01E-06	1.82E-06	8.31E-07	1.31E-06	0.00E+00	0.00E+00	3.43E-07	6.82E-08	4.33E-07	6.68E-08	1.02E-07	1.01E-06
652	490386.7	3860035	3.07E-03	3.31E-03	5.22E-03	1.06E-06	3.21E-06	1.86E-06	2.00E-06	1.82E-06	8.29E-07	1.31E-06	0.00E+00	0.00E+00	3.42E-07	6.80E-08	4.32E-07	6.66E-08	1.01E-07	1.01E-06
653	490436.7	3860035	3.07E-03	3.31E-03	5.22E-03	1.06E-06	3.21E-06	1.86E-06	2.00E-06	1.81E-06	8.28E-07	1.31E-06	0.00E+00	0.00E+00	3.42E-07	6.80E-08	4.31E-07	6.65E-08	1.01E-07	1.01E-06
654	490486.7	3860035	3.07E-03	3.31E-03	5.22E-03	1.06E-06	3.21E-06	1.86E-06	2.00E-06	1.81E-06	8.28E-07	1.31E-06	0.00E+00	0.00E+00	3.42E-07	6.80E-08	4.31E-07	6.65E-08	1.01E-07	1.01E-06
655	490536.7	3860035	3.07E-03	3.31E-03	5.23E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.30E-07	1.31E-06	0.00E+00	0.00E+00	3.42E-07	6.81E-08	4.32E-07	6.66E-08	1.01E-07	1.01E-06
656	490586.7	3860035	3.08E-03	3.32E-03	5.24E-03	1.07E-06	3.22E-06	1.86E-06	2.01E-06	1.82E-06	8.32E-07	1.31E-06	0.00E+00	0.00E+00	3.43E-07	6.82E-08	4.33E-07	6.68E-08	1.02E-07	1.01E-06
657	490636.7	3860035	3.09E-03	3.33E-03	5.25E-03	1.07E-06	3.23E-06	1.87E-06	2.01E-06	1.83E-06	8.33E-07	1.31E-06	0.00E+00	0.00E+00	3.44E-07	6.84E-08	4.34E-07	6.69E-08	1.02E-07	1.01E-06
658	490686.7	3860035	3.10E-03	3.35E-03	5.28E-03	1.07E-06	3.24E-06	1.88E-06	2.02E-06	1.84E-06	8.37E-07	1.32E-06	0.00E+00	0.00E+00	3.45E-07	6.87E-08	4.36E-07	6.73E-08	1.02E-07	1.02E-06
659	490736.7	3860035	3.13E-03	3.37E-03	5.32E-03	1.08E-06	3.27E-06	1.89E-06	2.04E-06	1.85E-06	8.44E-07	1.33E-06	0.00E+00	0.00E+00	3.48E-07	6.93E-08	4.40E-07	6.78E-08	1.03E-07	1.03E-06
660	490786.7	3860035	3.14E-03	3.39E-03	5.34E-03	1.09E-06	3.28E-06	1.90E-06	2.05E-06	1.86E-06	8.47E-07	1.34E-06	0.00E+00	0.00E+00	3.49E-07	6.95E-08	4.41E-07	6.80E-08	1.03E-07	1.03E-06
661	490836.7	3860035	3.15E-03	3.40E-03	5.36E-03	1.09E-06	3.29E-06	1.91E-06	2.06E-06	1.86E-06	8.50E-07	1.34E-06	0.00E+00	0.00E+00	3.51E-07	6.98E-08	4.43E-07	6.83E-08	1.04E-07	1.04E-06
662	490086.7	3860085	3.08E-03	3.32E-03	5.23E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.30E-07	1.31E-06	0.00E+00	0.00E+00	3.42E-07	6.81E-08	4.32E-07	6.67E-08	1.01E-07	1.01E-06
663	490136.7	3860085	3.05E-03	3.29E-03	5.18E-03	1.06E-06	3.19E-06	1.84E-06	1.99E-06	1.80E-06	8.23E-07	1.30E-06	0.00E+00	0.00E+00	3.39E-07	6.75E-08	4.28E-07	6.61E-08	1.00E-07	1.00E-06
664	490186.7	3860085	3.03E-03	3.27E-03	5.16E-03	1.05E-06	3.17E-06	1.84E-06	1.98E-06	1.79E-06	8.19E-07	1.29E-06	0.00E+00	0.00E+00	3.38E-07	6.72E-08	4.26E-07	6.57E-08	1.00E-07	9.97E-07
665	490236.7	3860085	3.02E-03	3.25E-03	5.13E-03	1.04E-06	3.15E-06	1.83E-06	1.97E-06	1.78E-06	8.14E-07	1.28E-06	0.00E+00	0.00E+00	3.36E-07	6.68E-08	4.24E-07	6.54E-08	9.94E-08	9.91E-07
666	490286.7	3860085	3.00E-03	3.24E-03	5.11E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.10E-07	1.28E-06	0.00E+00	0.00E+00	3.34E-07	6.65E-08	4.22E-07	6.51E-08	9.90E-08	9.87E-07
667	490336.7	3860085	2.99E-03	3.22E-03	5.09E-03	1.04E-06	3.13E-06	1.81E-06	1.95E-06	1.77E-06	8.07E-07	1.27E-06	0.00E+00	0.00E+00	3.33E-07	6.62E-08	4.20E-07	6.48E-08	9.86E-08	9.83E-07
668	490386.7	3860085	2.98E-03	3.21E-03	5.07E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.27E-06	0.00E+00	0.00E+00	3.32E-07	6.60E-08	4.19E-07	6.46E-08	9.82E-08	9.79E-07
669	490436.7	3860085	2.97E-03	3.21E-03	5.06E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.02E-07	1.27E-06	0.00E+00	0.00E+00	3.31E-07	6.58E-08	4.18E-07	6.44E-08	9.80E-08	9.77E-07
670	490486.7	3860085	2.97E-03	3.20E-03	5.05E-03	1.03E-06	3.10E-06	1.80E-06	1.94E-06	1.76E-06	8.01E-07	1.26E-06	0.00E+00	0.00E+00	3.30E-07	6.57E-08	4.17E-07	6.43E-08	9.78E-08	9.75E-07
671	490536.7	3860085	2.97E-03	3.20E-03	5.05E-03	1.03E-06	3.10E-06	1.80E-06	1.94E-06	1.76E-06	8.01E-07	1.26E-06	0.00E+00	0.00E+00	3.30E-07	6.58E-08	4.17E-07	6.43E-08	9.78E-08	9.76E-07
672	490586.7	3860085	2.97E-03	3.21E-03	5.06E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.02E-07	1.27E-06	0.00E+00	0.00E+00	3.31E-07	6.58E-08	4.18E-07	6.44E-08	9.80E-08	9.77E-07
673	490636.7	3860085	2.98E-03	3.21E-03	5.06E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.27E-06	0.00E+00	0.00E+00	3.31E-07	6.59E-08	4.18E-07	6.45E-08	9.81E-08	9.78E-07
674	490686.7	3860085	2.99E-03	3.22E-03	5.08E-03	1.03E-06	3.12E-06	1.81E-06	1.95E-06	1.77E-06	8.06E-07	1.27E-06	0.00E+00	0.00E+00	3.32E-07	6.61E-08	4.20E-07	6.47E-08	9.84E-08	9.81E-07
675	490736.7	3860085	3.00E-03	3.23E-03	5.10E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.28E-06	0.00E+00	0.00E+00	3.34E-07	6.64E-08	4.22E-07	6.50E-08	9.89E-08	9.86E-07
676	490786.7	3860085	3.01E-03	3.25E-03	5.13E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.78E-06	8.13E-07	1.28E-06	0.00E+00	0.00E+00	3.35E-07	6.68E-08	4.24E-07	6.53E-08	9.94E-08	9.91E-07
677	490836.7	3860085	3.02E-03	3.26E-03	5.14E-03	1.05E-06	3.16E-06	1.83E-06	1.97E-06	1.79E-06	8.16E-07	1.29E-06	0.00E+00	0.00E+00	3.37E-07	6.70E-08	4.25E-07	6.55E-08	9.97E-08	9.94E-07

678	490086.7	3860135	2.99E-03	3.23E-03	5.09E-03	1.04E-06	3.13E-06	1.81E-06	1.95E-06	1.77E-06	8.08E-07	1.27E-06	0.00E+00	0.00E+00	3.33E-07	6.63E-08	4.21E-07	6.49E-08	9.87E-08	9.84E-07
679	490136.7	3860135	2.98E-03	3.21E-03	5.06E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.27E-06	0.00E+00	0.00E+00	3.31E-07	6.59E-08	4.18E-07	6.45E-08	9.81E-08	9.78E-07
680	490186.7	3860135	2.96E-03	3.19E-03	5.03E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.99E-07	1.26E-06	0.00E+00	0.00E+00	3.29E-07	6.55E-08	4.16E-07	6.41E-08	9.76E-08	9.73E-07
681	490236.7	3860135	2.94E-03	3.17E-03	5.00E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.25E-06	0.00E+00	0.00E+00	3.27E-07	6.51E-08	4.13E-07	6.37E-08	9.70E-08	9.67E-07
682	490286.7	3860135	2.93E-03	3.15E-03	4.98E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.90E-07	1.25E-06	0.00E+00	0.00E+00	3.26E-07	6.48E-08	4.11E-07	6.34E-08	9.64E-08	9.61E-07
683	490336.7	3860135	2.91E-03	3.14E-03	4.95E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.24E-06	0.00E+00	0.00E+00	3.24E-07	6.45E-08	4.09E-07	6.31E-08	9.60E-08	9.57E-07
684	490386.7	3860135	2.90E-03	3.13E-03	4.93E-03	1.00E-06	3.03E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.23E-06	0.00E+00	0.00E+00	3.23E-07	6.42E-08	4.07E-07	6.28E-08	9.56E-08	9.53E-07
685	490436.7	3860135	2.89E-03	3.11E-03	4.91E-03	9.99E-07	3.02E-06	1.75E-06	1.88E-06	1.71E-06	7.79E-07	1.23E-06	0.00E+00	0.00E+00	3.21E-07	6.39E-08	4.06E-07	6.26E-08	9.52E-08	9.49E-07
686	490486.7	3860135	2.88E-03	3.11E-03	4.90E-03	9.97E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.77E-07	1.23E-06	0.00E+00	0.00E+00	3.21E-07	6.38E-08	4.05E-07	6.24E-08	9.49E-08	9.46E-07
687	490536.7	3860135	2.88E-03	3.10E-03	4.89E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.22E-06	0.00E+00	0.00E+00	3.20E-07	6.37E-08	4.04E-07	6.24E-08	9.49E-08	9.45E-07
688	490586.7	3860135	2.88E-03	3.10E-03	4.89E-03	9.95E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.22E-06	0.00E+00	0.00E+00	3.20E-07	6.37E-08	4.04E-07	6.23E-08	9.48E-08	9.45E-07
689	490636.7	3860135	2.88E-03	3.10E-03	4.89E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.22E-06	0.00E+00	0.00E+00	3.20E-07	6.37E-08	4.04E-07	6.23E-08	9.48E-08	9.45E-07
690	490686.7	3860135	2.88E-03	3.10E-03	4.90E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.77E-07	1.23E-06	0.00E+00	0.00E+00	3.20E-07	6.38E-08	4.05E-07	6.24E-08	9.49E-08	9.46E-07
691	490736.7	3860135	2.89E-03	3.11E-03	4.91E-03	9.99E-07	3.02E-06	1.75E-06	1.88E-06	1.71E-06	7.79E-07	1.23E-06	0.00E+00	0.00E+00	3.21E-07	6.39E-08	4.05E-07	6.25E-08	9.51E-08	9.48E-07
692	490786.7	3860135	2.90E-03	3.12E-03	4.93E-03	1.00E-06	3.03E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.23E-06	0.00E+00	0.00E+00	3.22E-07	6.42E-08	4.07E-07	6.28E-08	9.55E-08	9.52E-07
693	490836.7	3860135	2.90E-03	3.13E-03	4.94E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.84E-07	1.24E-06	0.00E+00	0.00E+00	3.23E-07	6.43E-08	4.08E-07	6.30E-08	9.58E-08	9.55E-07
694	490086.7	3860185	2.92E-03	3.15E-03	4.97E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.89E-07	1.24E-06	0.00E+00	0.00E+00	3.25E-07	6.48E-08	4.11E-07	6.34E-08	9.64E-08	9.61E-07
695	490136.7	3860185	2.91E-03	3.14E-03	4.95E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.85E-07	1.24E-06	0.00E+00	0.00E+00	3.24E-07	6.44E-08	4.09E-07	6.30E-08	9.59E-08	9.56E-07
696	490186.7	3860185	2.89E-03	3.12E-03	4.92E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.81E-07	1.23E-06	0.00E+00	0.00E+00	3.22E-07	6.41E-08	4.06E-07	6.27E-08	9.54E-08	9.50E-07
697	490236.7	3860185	2.87E-03	3.10E-03	4.89E-03	9.94E-07	3.00E-06	1.74E-06	1.87E-06	1.70E-06	7.75E-07	1.22E-06	0.00E+00	0.00E+00	3.20E-07	6.36E-08	4.04E-07	6.23E-08	9.47E-08	9.44E-07
698	490286.7	3860185	2.86E-03	3.08E-03	4.86E-03	9.88E-07	2.98E-06	1.73E-06	1.86E-06	1.69E-06	7.71E-07	1.22E-06	0.00E+00	0.00E+00	3.18E-07	6.32E-08	4.01E-07	6.19E-08	9.41E-08	9.38E-07
699	490336.7	3860185	2.84E-03	3.06E-03	4.83E-03	9.83E-07	2.97E-06	1.72E-06	1.85E-06	1.68E-06	7.66E-07	1.21E-06	0.00E+00	0.00E+00	3.16E-07	6.29E-08	3.99E-07	6.15E-08	9.36E-08	9.33E-07
700	490386.7	3860185	2.82E-03	3.05E-03	4.81E-03	9.78E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.20E-06	0.00E+00	0.00E+00	3.14E-07	6.25E-08	3.97E-07	6.12E-08	9.31E-08	9.28E-07
701	490436.7	3860185	2.81E-03	3.03E-03	4.78E-03	9.73E-07	2.94E-06	1.70E-06	1.83E-06	1.66E-06	7.59E-07	1.20E-06	0.00E+00	0.00E+00	3.13E-07	6.23E-08	3.95E-07	6.09E-08	9.27E-08	9.24E-07
702	490486.7	3860185	2.80E-03	3.02E-03	4.77E-03	9.69E-07	2.93E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.19E-06	0.00E+00	0.00E+00	3.12E-07	6.20E-08	3.94E-07	6.07E-08	9.24E-08	9.20E-07
703	490536.7	3860185	2.79E-03	3.01E-03	4.75E-03	9.67E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.19E-06	0.00E+00	0.00E+00	3.11E-07	6.19E-08	3.93E-07	6.05E-08	9.21E-08	9.18E-07
704	490586.7	3860185	2.79E-03	3.01E-03	4.75E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.53E-07	1.19E-06	0.00E+00	0.00E+00	3.11E-07	6.18E-08	3.92E-07	6.05E-08	9.20E-08	9.17E-07
705	490636.7	3860185	2.79E-03	3.00E-03	4.74E-03	9.64E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.52E-07	1.19E-06	0.00E+00	0.00E+00	3.10E-07	6.17E-08	3.92E-07	6.04E-08	9.19E-08	9.16E-07
706	490686.7	3860185	2.79E-03	3.01E-03	4.74E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.52E-07	1.19E-06	0.00E+00	0.00E+00	3.10E-07	6.17E-08	3.92E-07	6.04E-08	9.19E-08	9.16E-07
707	490736.7	3860185	2.79E-03	3.01E-03	4.74E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.52E-07	1.19E-06	0.00E+00	0.00E+00	3.10E-07	6.17E-08	3.92E-07	6.04E-08	9.19E-08	9.16E-07
708	490786.7	3860185	2.79E-03	3.01E-03	4.75E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.19E-06	0.00E+00	0.00E+00	3.11E-07	6.18E-08	3.92E-07	6.05E-08	9.21E-08	9.18E-07
709	490836.7	3860185	2.80E-03	3.02E-03	4.76E-03	9.69E-07	2.93E-06	1.69E-06	1.83E-06	1.66E-06	7.55E-07	1.19E-06	0.00E+00	0.00E+00	3.12E-07	6.20E-08	3.93E-07	6.07E-08	9.23E-08	9.20E-07
710	490086.7	3860235	2.86E-03	3.08E-03	4.87E-03	9.90E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.22E-06	0.00E+00	0.00E+00	3.18E-07	6.34E-08	4.02E-07	6.20E-08	9.43E-08	9.40E-07
711	490136.7	3860235	2.84E-03	3.07E-03	4.84E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.68E-07	1.21E-06	0.00E+00	0.00E+00	3.17E-07	6.30E-08	4.00E-07	6.16E-08	9.38E-08	9.35E-07
712	490186.7	3860235	2.83E-03	3.05E-03	4.81E-03	9.79E-07	2.96E-06	1.71E-06	1.85E-06	1.67E-06	7.63E-07	1.20E-06	0.00E+00	0.00E+00	3.15E-07	6.26E-08	3.97E-07	6.13E-08	9.33E-08	9.29E-07
713	490236.7	3860235	2.81E-03	3.03E-03	4.78E-03	9.73E-07	2.94E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.20E-06	0.00E+00	0.00E+00	3.13E-07	6.22E-08	3.95E-07	6.09E-08	9.27E-08	9.23E-07
714	490286.7	3860235	2.79E-03	3.01E-03	4.75E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.53E-07	1.19E-06	0.00E+00	0.00E+00	3.11E-07	6.18E-08	3.92E-07	6.05E-08	9.21E-08	9.17E-07
715	490336.7	3860235	2.77E-03	2.99E-03	4.72E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.18E-06	0.00E+00	0.00E+00	3.09E-07	6.14E-08	3.90E-07	6.01E-08	9.15E-08	9.12E-07
716	490386.7	3860235	2.76E-03	2.97E-03	4.69E-03	9.55E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.17E-06	0.00E+00	0.00E+00	3.07E-07	6.11E-08	3.88E-07	5.98E-08	9.10E-08	9.06E-07
717	490436.7	3860235	2.74E-03	2.96E-03	4.67E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.17E-06	0.00E+00	0.00E+00	3.05E-07	6.08E-08	3.86E-07	5.95E-08	9.05E-08	9.02E-07
718	490486.7	3860235	2.73E-03	2.94E-03	4.65E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.16E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.01E-08	8.97E-07
719	490536.7	3860235	2.72E-03	2.93E-03	4.63E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.34E-07	1.16E-06	0.00E+00	0.00E+00	3.03E-07	6.03E-08	3.82E-07	5.90E-08	8.97E-08	8.94E-07
720	490586.7	3860235	2.71E-03	2.93E-03	4.62E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.16E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.81E-07	5.88E-08	8.95E-08	8.92E-07
721	490636.7	3860235	2.71E-03	2.92E-03	4.61E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.15E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.81E-07	5.87E-08	8.93E-08	8.90E-07
722	490686.7	3860235	2.70E-03	2.92E-03	4.60E-03	9.36E-07	2.83E-06	1.64E-06	1.76E-06	1.60E-06	7.30E-07	1.15E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.86E-08	8.92E-08	8.89E-07
723	490736.7	3860235	2.70E-03	2.91E-03	4.60E-03	9.35E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.15E-06	0.00E+00	0.00E+00	3.01E-07	5.98E-08	3.80E-07	5.86E-08	8.91E-08	8.88E-07
724	490786.7	3860235	2.70E-03	2.91E-03	4.60E-03	9.35E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.15E-06	0.00E+00	0.00E+00	3.01E-07	5.98E-08	3.80E-07	5.86E-08	8.91E-08	8.88E-07
725	490086.7	3860285	2.80E-03	3.02E-03	4.76E-03	9.69E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.55E-07	1.19E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.93E-07	6.06E-08	9.23E-08	9.20E-07
726	490136.7	3860285	2.78E-03	3.00E-03	4.74E-03	9.64E-07	2.91E-06	1.68E-06	1.82E-06	1.65E-06	7.51E-07	1.19E-06	0.00E+00	0.00E+00	3.10E-07	6.17E-08	3.91E-07	6.03E-08	9.18E-08	9.15E-07
727	490186.7	3860285	2.77E-03	2.98E-03	4.71E-03	9.58E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.18E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	6.00E-08	9.13E-08	9.09E-07
728	490236.7	3860285	2.75E-03	2.97E-03	4.68E-03	9.52E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.17E-06	0.00E+00	0.00E+00	3.06E-07	6.09E-08	3.87E-07	5.96E-08	9.07E-08	9.04E-07
729	490286.7	3860285	2.73E-03	2.95E-03	4.65E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.16E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.01E-08	8.98E-07
730	490336.7	3860285	2.71E-03	2.93E-03	4.62E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.32E-07	1.16E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.81E-07	5.88E-08	8.95E-08	8.92E-07
731	490386.7	3860285	2.70E-03	2.91E-03	4.59E-03	9.34E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.15E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.85E-08	8.90E-08	8.87E-07
732	490436.7	3860285	2.68E-03	2.89E-03	4.57E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.14E-06	0.00E+00	0.00E+00	2.98E-07	5.94E-08	3.77E-07	5.81E-08	8.85E-08	8.81E-07
733	490486.7	3860285	2.67E-03	2.88E-03	4.54E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.14E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.78E-08	8.80E-08	8.77E-07
734	490536.7	3860285	2.65E-03	2.86E-03	4.52E-03	9.19E-07	2.77E-06	1.61E-06	1.73E-06	1.57E-06	7.16E-07	1.13E-06	0.00E+00	0.00E+00	2.95E-07	5.88E-08	3.73E-07	5.75E-08	8.76E-08	8.72E-07

735	490586.7	3860285	2.64E-03	2.85E-03	4.50E-03	9.15E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.73E-08	8.72E-08	8.69E-07
736	490636.7	3860285	2.63E-03	2.84E-03	4.49E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.12E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.70E-07	5.71E-08	8.69E-08	8.66E-07
737	490686.7	3860285	2.63E-03	2.84E-03	4.48E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.12E-06	0.00E+00	0.00E+00	2.93E-07	5.82E-08	3.70E-07	5.70E-08	8.68E-08	8.64E-07
738	490736.7	3860285	2.62E-03	2.83E-03	4.47E-03	9.09E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.12E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.66E-08	8.63E-07
739	490786.7	3860285	2.62E-03	2.83E-03	4.47E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.12E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.66E-08	8.62E-07
740	490086.7	3860335	2.74E-03	2.95E-03	4.66E-03	9.47E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.39E-07	1.17E-06	0.00E+00	0.00E+00	3.05E-07	6.06E-08	3.85E-07	5.93E-08	9.03E-08	9.00E-07
741	490136.7	3860335	2.72E-03	2.94E-03	4.64E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.35E-07	1.16E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	8.99E-08	8.96E-07
742	490186.7	3860335	2.71E-03	2.92E-03	4.61E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.15E-06	0.00E+00	0.00E+00	3.02E-07	6.00E-08	3.81E-07	5.87E-08	8.94E-08	8.90E-07
743	490236.7	3860335	2.69E-03	2.91E-03	4.59E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.15E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.84E-08	8.89E-08	8.86E-07
744	490286.7	3860335	2.68E-03	2.89E-03	4.56E-03	9.26E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.14E-06	0.00E+00	0.00E+00	2.98E-07	5.93E-08	3.76E-07	5.80E-08	8.83E-08	8.80E-07
745	490336.7	3860335	2.66E-03	2.87E-03	4.52E-03	9.20E-07	2.78E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.13E-06	0.00E+00	0.00E+00	2.96E-07	5.89E-08	3.74E-07	5.76E-08	8.77E-08	8.73E-07
746	490386.7	3860335	2.64E-03	2.85E-03	4.50E-03	9.14E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.72E-08	8.71E-08	8.68E-07
747	490436.7	3860335	2.62E-03	2.83E-03	4.47E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.12E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.66E-08	8.62E-07
748	490486.7	3860335	2.61E-03	2.81E-03	4.44E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.11E-06	0.00E+00	0.00E+00	2.90E-07	5.78E-08	3.67E-07	5.65E-08	8.61E-08	8.57E-07
749	490536.7	3860335	2.59E-03	2.80E-03	4.42E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.11E-06	0.00E+00	0.00E+00	2.89E-07	5.75E-08	3.65E-07	5.62E-08	8.56E-08	8.53E-07
750	490586.7	3860335	2.58E-03	2.78E-03	4.40E-03	8.93E-07	2.70E-06	1.56E-06	1.68E-06	1.53E-06	6.97E-07	1.10E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.59E-08	8.52E-08	8.48E-07
751	490636.7	3860335	2.57E-03	2.77E-03	4.38E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.48E-08	8.45E-07
752	490686.7	3860335	2.56E-03	2.76E-03	4.36E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.09E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.55E-08	8.46E-08	8.42E-07
753	490736.7	3860335	2.56E-03	2.76E-03	4.35E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.43E-08	8.40E-07
754	490786.7	3860335	2.55E-03	2.75E-03	4.35E-03	8.84E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.59E-07	5.53E-08	8.43E-08	8.39E-07
755	490086.7	3860385	2.68E-03	2.89E-03	4.56E-03	9.27E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.14E-06	0.00E+00	0.00E+00	2.98E-07	5.93E-08	3.76E-07	5.80E-08	8.83E-08	8.80E-07
756	490136.7	3860385	2.67E-03	2.88E-03	4.54E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.14E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.78E-08	8.80E-08	8.77E-07
757	490186.7	3860385	2.65E-03	2.86E-03	4.52E-03	9.18E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.13E-06	0.00E+00	0.00E+00	2.95E-07	5.87E-08	3.73E-07	5.75E-08	8.75E-08	8.72E-07
758	490236.7	3860385	2.64E-03	2.85E-03	4.49E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.12E-06	0.00E+00	0.00E+00	2.94E-07	5.84E-08	3.71E-07	5.72E-08	8.71E-08	8.67E-07
759	490286.7	3860385	2.62E-03	2.83E-03	4.46E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.12E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.68E-07	5.68E-08	8.65E-08	8.62E-07
760	490336.7	3860385	2.60E-03	2.81E-03	4.44E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.03E-07	1.11E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.60E-08	8.56E-07
761	490386.7	3860385	2.59E-03	2.79E-03	4.41E-03	8.95E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.98E-07	1.10E-06	0.00E+00	0.00E+00	2.88E-07	5.73E-08	3.64E-07	5.61E-08	8.54E-08	8.50E-07
762	490436.7	3860385	2.57E-03	2.77E-03	4.38E-03	8.90E-07	2.69E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.48E-08	8.45E-07
763	490486.7	3860385	2.55E-03	2.76E-03	4.35E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.43E-08	8.40E-07
764	490536.7	3860385	2.54E-03	2.74E-03	4.33E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.08E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.57E-07	5.51E-08	8.38E-08	8.35E-07
765	490586.7	3860385	2.53E-03	2.72E-03	4.30E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.82E-07	1.08E-06	0.00E+00	0.00E+00	2.81E-07	5.59E-08	3.55E-07	5.47E-08	8.34E-08	8.30E-07
766	490636.7	3860385	2.51E-03	2.71E-03	4.28E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.07E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.53E-07	5.45E-08	8.29E-08	8.26E-07
767	490686.7	3860385	2.50E-03	2.70E-03	4.26E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.07E-06	0.00E+00	0.00E+00	2.79E-07	5.54E-08	3.52E-07	5.42E-08	8.26E-08	8.23E-07
768	490736.7	3860385	2.49E-03	2.69E-03	4.25E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.47E-06	6.73E-07	1.06E-06	0.00E+00	0.00E+00	2.77E-07	5.52E-08	3.50E-07	5.40E-08	8.23E-08	8.19E-07
769	490786.7	3860385	2.49E-03	2.68E-03	4.23E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.06E-06	0.00E+00	0.00E+00	2.77E-07	5.51E-08	3.49E-07	5.39E-08	8.21E-08	8.17E-07
770	490136.7	3860435	2.61E-03	2.81E-03	4.44E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.11E-06	0.00E+00	0.00E+00	2.90E-07	5.78E-08	3.67E-07	5.66E-08	8.61E-08	8.58E-07
771	490186.7	3860435	2.60E-03	2.80E-03	4.42E-03	8.99E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.11E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.65E-07	5.63E-08	8.57E-08	8.54E-07
772	490236.7	3860435	2.58E-03	2.79E-03	4.40E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.10E-06	0.00E+00	0.00E+00	2.88E-07	5.72E-08	3.63E-07	5.60E-08	8.53E-08	8.50E-07
773	490286.7	3860435	2.57E-03	2.77E-03	4.38E-03	8.89E-07	2.69E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.48E-08	8.45E-07
774	490336.7	3860435	2.55E-03	2.75E-03	4.35E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.59E-07	5.53E-08	8.42E-08	8.39E-07
775	490386.7	3860435	2.54E-03	2.74E-03	4.32E-03	8.78E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.08E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.56E-07	5.50E-08	8.37E-08	8.34E-07
776	490436.7	3860435	2.52E-03	2.72E-03	4.29E-03	8.72E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.07E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.32E-08	8.28E-07
777	490486.7	3860435	2.50E-03	2.70E-03	4.26E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.07E-06	0.00E+00	0.00E+00	2.79E-07	5.54E-08	3.52E-07	5.43E-08	8.26E-08	8.23E-07
778	490536.7	3860435	2.49E-03	2.68E-03	4.24E-03	8.61E-07	2.60E-06	1.51E-06	1.62E-06	1.47E-06	6.72E-07	1.06E-06	0.00E+00	0.00E+00	2.77E-07	5.51E-08	3.50E-07	5.39E-08	8.21E-08	8.18E-07
779	490586.7	3860435	2.47E-03	2.67E-03	4.21E-03	8.56E-07	2.58E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.05E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.16E-08	8.13E-07
780	490636.7	3860435	2.46E-03	2.65E-03	4.19E-03	8.51E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.64E-07	1.05E-06	0.00E+00	0.00E+00	2.74E-07	5.45E-08	3.46E-07	5.33E-08	8.12E-08	8.08E-07
781	490686.7	3860435	2.45E-03	2.64E-03	4.17E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.04E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.30E-08	8.08E-08	8.04E-07
782	490736.7	3860435	2.44E-03	2.63E-03	4.15E-03	8.44E-07	2.55E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.04E-06	0.00E+00	0.00E+00	2.71E-07	5.40E-08	3.43E-07	5.28E-08	8.05E-08	8.01E-07
783	490786.7	3860435	2.43E-03	2.62E-03	4.14E-03	8.40E-07	2.54E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.26E-08	8.01E-08	7.98E-07
784	490136.7	3860485	2.56E-03	2.76E-03	4.35E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.09E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.43E-08	8.40E-07
785	490186.7	3860485	2.54E-03	2.74E-03	4.33E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.08E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.40E-08	8.36E-07
786	490236.7	3860485	2.53E-03	2.73E-03	4.31E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.08E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.36E-08	8.32E-07
787	490286.7	3860485	2.52E-03	2.72E-03	4.29E-03	8.72E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.07E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.31E-08	8.28E-07
788	490336.7	3860485	2.50E-03	2.70E-03	4.26E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.07E-06	0.00E+00	0.00E+00	2.79E-07	5.54E-08	3.52E-07	5.43E-08	8.26E-08	8.23E-07
789	490386.7	3860485	2.49E-03	2.68E-03	4.24E-03	8.61E-07	2.60E-06	1.51E-06	1.62E-06	1.47E-06	6.72E-07	1.06E-06	0.00E+00	0.00E+00	2.77E-07	5.51E-08	3.50E-07	5.39E-08	8.21E-08	8.18E-07
790	490436.7	3860485	2.47E-03	2.67E-03	4.21E-03	8.56E-07	2.59E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.05E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.17E-08	8.13E-07
791	490486.7	3860485	2.46E-03	2.65E-03	4.19E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.63E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.33E-08	8.11E-08	8.08E-07

792	490536.7	3860485	2.44E-03	2.63E-03	4.16E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.04E-06	0.00E+00	0.00E+00	2.72E-07	5.40E-08	3.43E-07	5.29E-08	8.06E-08	8.02E-07
793	490586.7	3860485	2.42E-03	2.61E-03	4.13E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.43E-06	6.54E-07	1.03E-06	0.00E+00	0.00E+00	2.70E-07	5.37E-08	3.41E-07	5.25E-08	8.00E-08	7.97E-07
794	490636.7	3860485	2.41E-03	2.60E-03	4.11E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.03E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.22E-08	7.96E-08	7.92E-07
795	490686.7	3860485	2.40E-03	2.58E-03	4.08E-03	8.29E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.47E-07	1.02E-06	0.00E+00	0.00E+00	2.67E-07	5.31E-08	3.37E-07	5.19E-08	7.91E-08	7.87E-07
796	490736.7	3860485	2.38E-03	2.57E-03	4.06E-03	8.25E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.02E-06	0.00E+00	0.00E+00	2.65E-07	5.28E-08	3.35E-07	5.17E-08	7.87E-08	7.84E-07
797	490786.7	3860485	2.37E-03	2.56E-03	4.04E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.40E-06	6.41E-07	1.01E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.34E-07	5.15E-08	7.84E-08	7.80E-07
798	490136.7	3860535	2.50E-03	2.70E-03	4.26E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.07E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.52E-07	5.42E-08	8.25E-08	8.22E-07
799	490186.7	3860535	2.50E-03	2.69E-03	4.25E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.06E-06	0.00E+00	0.00E+00	2.78E-07	5.53E-08	3.51E-07	5.41E-08	8.24E-08	8.21E-07
800	490236.7	3860535	2.48E-03	2.68E-03	4.23E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.70E-07	1.06E-06	0.00E+00	0.00E+00	2.76E-07	5.50E-08	3.49E-07	5.38E-08	8.19E-08	8.15E-07
801	490286.7	3860535	2.47E-03	2.66E-03	4.20E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.05E-06	0.00E+00	0.00E+00	2.75E-07	5.47E-08	3.47E-07	5.35E-08	8.15E-08	8.11E-07
802	490336.7	3860535	2.45E-03	2.65E-03	4.18E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.63E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.32E-08	8.11E-08	8.07E-07
803	490386.7	3860535	2.44E-03	2.63E-03	4.16E-03	8.45E-07	2.55E-06	1.48E-06	1.59E-06	1.45E-06	6.59E-07	1.04E-06	0.00E+00	0.00E+00	2.72E-07	5.41E-08	3.43E-07	5.29E-08	8.07E-08	8.03E-07
804	490436.7	3860535	2.43E-03	2.62E-03	4.14E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.27E-08	8.02E-08	7.98E-07
805	490486.7	3860535	2.41E-03	2.60E-03	4.11E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.03E-06	0.00E+00	0.00E+00	2.69E-07	5.35E-08	3.39E-07	5.23E-08	7.97E-08	7.93E-07
806	490536.7	3860535	2.40E-03	2.59E-03	4.10E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.38E-07	5.21E-08	7.94E-08	7.90E-07
807	490586.7	3860535	2.38E-03	2.57E-03	4.06E-03	8.24E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.02E-06	0.00E+00	0.00E+00	2.65E-07	5.27E-08	3.35E-07	5.16E-08	7.86E-08	7.82E-07
808	490636.7	3860535	2.36E-03	2.55E-03	4.03E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.01E-06	0.00E+00	0.00E+00	2.63E-07	5.24E-08	3.32E-07	5.12E-08	7.81E-08	7.77E-07
809	490686.7	3860535	2.35E-03	2.53E-03	4.00E-03	8.13E-07	2.46E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.00E-06	0.00E+00	0.00E+00	2.62E-07	5.21E-08	3.30E-07	5.09E-08	7.76E-08	7.72E-07
810	490736.7	3860535	2.34E-03	2.52E-03	3.98E-03	8.09E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.31E-07	9.96E-07	0.00E+00	0.00E+00	2.60E-07	5.17E-08	3.28E-07	5.06E-08	7.72E-08	7.68E-07
811	490786.7	3860535	2.32E-03	2.51E-03	3.96E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	9.92E-07	0.00E+00	0.00E+00	2.59E-07	5.15E-08	3.27E-07	5.04E-08	7.68E-08	7.64E-07
812	490136.7	3860585	2.45E-03	2.64E-03	4.17E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.04E-06	0.00E+00	0.00E+00	2.73E-07	5.43E-08	3.44E-07	5.31E-08	8.09E-08	8.06E-07
813	490186.7	3860585	2.43E-03	2.62E-03	4.14E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.04E-06	0.00E+00	0.00E+00	2.71E-07	5.39E-08	3.42E-07	5.27E-08	8.03E-08	8.00E-07
814	490236.7	3860585	2.43E-03	2.62E-03	4.13E-03	8.40E-07	2.54E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.03E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.26E-08	8.01E-08	7.98E-07
815	490286.7	3860585	2.42E-03	2.61E-03	4.12E-03	8.37E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.03E-06	0.00E+00	0.00E+00	2.69E-07	5.36E-08	3.40E-07	5.24E-08	7.99E-08	7.95E-07
816	490336.7	3860585	2.41E-03	2.60E-03	4.10E-03	8.33E-07	2.52E-06	1.46E-06	1.57E-06	1.42E-06	6.50E-07	1.03E-06	0.00E+00	0.00E+00	2.68E-07	5.33E-08	3.38E-07	5.22E-08	7.95E-08	7.91E-07
817	490386.7	3860585	2.39E-03	2.58E-03	4.08E-03	8.29E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.02E-06	0.00E+00	0.00E+00	2.67E-07	5.30E-08	3.37E-07	5.19E-08	7.91E-08	7.87E-07
818	490436.7	3860585	2.39E-03	2.58E-03	4.07E-03	8.26E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.02E-06	0.00E+00	0.00E+00	2.66E-07	5.29E-08	3.36E-07	5.18E-08	7.89E-08	7.85E-07
819	490486.7	3860585	2.38E-03	2.56E-03	4.05E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.01E-06	0.00E+00	0.00E+00	2.65E-07	5.27E-08	3.34E-07	5.15E-08	7.85E-08	7.82E-07
820	490536.7	3860585	2.36E-03	2.55E-03	4.02E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	0.00E+00	0.00E+00	2.63E-07	5.23E-08	3.32E-07	5.12E-08	7.80E-08	7.76E-07
821	490586.7	3860585	2.34E-03	2.52E-03	3.98E-03	8.08E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	9.96E-07	0.00E+00	0.00E+00	2.60E-07	5.17E-08	3.28E-07	5.06E-08	7.71E-08	7.68E-07
822	490636.7	3860585	2.32E-03	2.50E-03	3.96E-03	8.03E-07	2.43E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.90E-07	0.00E+00	0.00E+00	2.58E-07	5.14E-08	3.26E-07	5.03E-08	7.67E-08	7.63E-07
823	490686.7	3860585	2.31E-03	2.49E-03	3.93E-03	7.98E-07	2.41E-06	1.40E-06	1.51E-06	1.36E-06	6.23E-07	9.84E-07	0.00E+00	0.00E+00	2.57E-07	5.11E-08	3.24E-07	5.00E-08	7.62E-08	7.58E-07
824	490736.7	3860585	2.29E-03	2.47E-03	3.91E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.78E-07	0.00E+00	0.00E+00	2.55E-07	5.08E-08	3.22E-07	4.97E-08	7.57E-08	7.53E-07
825	490786.7	3860585	2.28E-03	2.46E-03	3.88E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.72E-07	0.00E+00	0.00E+00	2.54E-07	5.05E-08	3.20E-07	4.94E-08	7.53E-08	7.49E-07
826	490136.7	3860635	2.40E-03	2.59E-03	4.10E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	0.00E+00	0.00E+00	2.68E-07	5.33E-08	3.38E-07	5.21E-08	7.94E-08	7.90E-07
827	490186.7	3860635	2.39E-03	2.58E-03	4.07E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.02E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.36E-07	5.18E-08	7.90E-08	7.86E-07
828	490236.7	3860635	2.38E-03	2.56E-03	4.05E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.01E-06	0.00E+00	0.00E+00	2.65E-07	5.27E-08	3.34E-07	5.15E-08	7.85E-08	7.82E-07
829	490286.7	3860635	2.37E-03	2.55E-03	4.04E-03	8.20E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.39E-07	1.01E-06	0.00E+00	0.00E+00	2.64E-07	5.25E-08	3.33E-07	5.13E-08	7.82E-08	7.79E-07
830	490336.7	3860635	2.36E-03	2.55E-03	4.02E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	0.00E+00	0.00E+00	2.63E-07	5.23E-08	3.32E-07	5.12E-08	7.79E-08	7.76E-07
831	490386.7	3860635	2.35E-03	2.53E-03	4.00E-03	8.13E-07	2.46E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.00E-06	0.00E+00	0.00E+00	2.62E-07	5.20E-08	3.30E-07	5.09E-08	7.76E-08	7.72E-07
832	490436.7	3860635	2.34E-03	2.52E-03	3.98E-03	8.09E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.31E-07	9.97E-07	0.00E+00	0.00E+00	2.60E-07	5.18E-08	3.29E-07	5.07E-08	7.72E-08	7.68E-07
833	490486.7	3860635	2.32E-03	2.51E-03	3.96E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	9.92E-07	0.00E+00	0.00E+00	2.59E-07	5.15E-08	3.27E-07	5.04E-08	7.68E-08	7.64E-07
834	490536.7	3860635	2.31E-03	2.50E-03	3.94E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.87E-07	0.00E+00	0.00E+00	2.58E-07	5.13E-08	3.25E-07	5.02E-08	7.64E-08	7.61E-07
835	490586.7	3860635	2.30E-03	2.48E-03	3.91E-03	7.95E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.79E-07	0.00E+00	0.00E+00	2.56E-07	5.09E-08	3.23E-07	4.98E-08	7.58E-08	7.55E-07
836	490636.7	3860635	2.28E-03	2.46E-03	3.89E-03	7.90E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.73E-07	0.00E+00	0.00E+00	2.54E-07	5.05E-08	3.21E-07	4.95E-08	7.54E-08	7.50E-07
837	490686.7	3860635	2.27E-03	2.44E-03	3.86E-03	7.84E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.67E-07	0.00E+00	0.00E+00	2.52E-07	5.02E-08	3.19E-07	4.91E-08	7.49E-08	7.45E-07
838	490736.7	3860635	2.25E-03	2.43E-03	3.84E-03	7.79E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.60E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.88E-08	7.43E-08	7.40E-07
839	490786.7	3860635	2.24E-03	2.41E-03	3.81E-03	7.74E-07	2.34E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.54E-07	0.00E+00	0.00E+00	2.49E-07	4.95E-08	3.14E-07	4.85E-08	7.39E-08	7.35E-07
840	490136.7	3860685	2.35E-03	2.53E-03	4.00E-03	8.13E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.00E-06	0.00E+00	0.00E+00	2.61E-07	5.20E-08	3.30E-07	5.09E-08	7.75E-08	7.72E-07
841	490186.7	3860685	2.35E-03	2.54E-03	4.01E-03	8.14E-07	2.46E-06	1.42E-06	1.54E-06	1.39E-06	6.35E-07	1.00E-06	0.00E+00	0.00E+00	2.62E-07	5.21E-08	3.31E-07	5.10E-08	7.77E-08	7.73E-07
842	490236.7	3860685	2.34E-03	2.52E-03	3.98E-03	8.09E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.31E-07	9.97E-07	0.00E+00	0.00E+00	2.60E-07	5.18E-08	3.28E-07	5.07E-08	7.72E-08	7.68E-07
843	490286.7	3860685	2.32E-03	2.50E-03	3.95E-03	8.02E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.88E-07	0.00E+00	0.00E+00	2.58E-07	5.13E-08	3.26E-07	5.02E-08	7.65E-08	7.62E-07
844	490336.7	3860685	2.31E-03	2.50E-03	3.94E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.24E-07	9.87E-07	0.00E+00	0.00E+00	2.57E-07	5.12E-08	3.25E-07	5.01E-08	7.64E-08	7.60E-07
845	490386.7	3860685	2.30E-03	2.49E-03	3.93E-03	7.98E-07	2.41E-06	1.39E-06	1.50E-06	1.36E-06	6.22E-07	9.83E-07	0.00E+00	0.00E+00	2.57E-07	5.11E-08	3.24E-07	5.00E-08	7.61E-08	7.58E-07
846	490436.7	3860685	2.29E-03	2.47E-03	3.91E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.78E-07	0.00E+00	0.00E+00	2.55E-07	5.08E-08	3.22E-07	4.97E-08	7.57E-08	7.53E-07
847	490486.7	3860685	2.28E-03	2.46E-03	3.88E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.72E-07	0.00E+00	0.00E+00	2.54E-07	5.05E-08	3.20E-07	4.94E-08	7.53E-08	7.49E-07
848	490536.7	3860685	2.27E-03	2.45E-03	3.86E-03	7.85E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.67E-07	0.00E+00	0.00E+00	2.52E-07	5.02E-08	3.19E-07	4.91E-08	7.49E-08	7.45E-07

849	490586.7	3860685	2.25E-03	2.43E-03	3.84E-03	7.80E-07	2.36E-06	1.36E-06	1.47E-06	1.33E-06	6.08E-07	9.62E-07	0.00E+00	0.00E+00	2.51E-07	4.99E-08	3.17E-07	4.89E-08	7.45E-08	7.41E-07
850	490636.7	3860685	2.24E-03	2.42E-03	3.82E-03	7.76E-07	2.34E-06	1.36E-06	1.46E-06	1.33E-06	6.05E-07	9.56E-07	0.00E+00	0.00E+00	2.50E-07	4.97E-08	3.15E-07	4.86E-08	7.41E-08	7.37E-07
851	490686.7	3860685	2.23E-03	2.40E-03	3.80E-03	7.72E-07	2.33E-06	1.35E-06	1.45E-06	1.32E-06	6.02E-07	9.51E-07	0.00E+00	0.00E+00	2.48E-07	4.94E-08	3.13E-07	4.83E-08	7.37E-08	7.33E-07
852	490736.7	3860685	2.21E-03	2.39E-03	3.77E-03	7.66E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.98E-07	9.44E-07	0.00E+00	0.00E+00	2.46E-07	4.90E-08	3.11E-07	4.80E-08	7.31E-08	7.28E-07
853	490786.7	3860685	2.20E-03	2.38E-03	3.75E-03	7.62E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.40E-07	0.00E+00	0.00E+00	2.45E-07	4.88E-08	3.10E-07	4.77E-08	7.28E-08	7.24E-07
854	490136.7	3860735	2.28E-03	2.46E-03	3.89E-03	7.90E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.73E-07	0.00E+00	0.00E+00	2.54E-07	5.06E-08	3.21E-07	4.95E-08	7.53E-08	7.50E-07
855	490186.7	3860735	2.28E-03	2.46E-03	3.88E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.71E-07	0.00E+00	0.00E+00	2.54E-07	5.05E-08	3.20E-07	4.94E-08	7.52E-08	7.49E-07
856	490236.7	3860735	2.27E-03	2.45E-03	3.87E-03	7.87E-07	2.38E-06	1.38E-06	1.48E-06	1.35E-06	6.14E-07	9.69E-07	0.00E+00	0.00E+00	2.53E-07	5.04E-08	3.20E-07	4.93E-08	7.51E-08	7.47E-07
857	490286.7	3860735	2.27E-03	2.45E-03	3.87E-03	7.86E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.68E-07	0.00E+00	0.00E+00	2.53E-07	5.03E-08	3.19E-07	4.92E-08	7.49E-08	7.46E-07
858	490336.7	3860735	2.26E-03	2.44E-03	3.86E-03	7.83E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.11E-07	9.65E-07	0.00E+00	0.00E+00	2.52E-07	5.01E-08	3.18E-07	4.91E-08	7.48E-08	7.44E-07
859	490386.7	3860735	2.26E-03	2.44E-03	3.85E-03	7.82E-07	2.36E-06	1.37E-06	1.47E-06	1.34E-06	6.10E-07	9.63E-07	0.00E+00	0.00E+00	2.51E-07	5.00E-08	3.17E-07	4.90E-08	7.46E-08	7.42E-07
860	490436.7	3860735	2.26E-03	2.43E-03	3.84E-03	7.81E-07	2.36E-06	1.36E-06	1.47E-06	1.33E-06	6.09E-07	9.62E-07	0.00E+00	0.00E+00	2.51E-07	5.00E-08	3.17E-07	4.89E-08	7.45E-08	7.41E-07
861	490486.7	3860735	2.24E-03	2.42E-03	3.82E-03	7.76E-07	2.34E-06	1.36E-06	1.46E-06	1.33E-06	6.05E-07	9.57E-07	0.00E+00	0.00E+00	2.50E-07	4.97E-08	3.15E-07	4.86E-08	7.41E-08	7.37E-07
862	490536.7	3860735	2.22E-03	2.40E-03	3.79E-03	7.70E-07	2.32E-06	1.35E-06	1.45E-06	1.32E-06	6.00E-07	9.49E-07	0.00E+00	0.00E+00	2.48E-07	4.93E-08	3.13E-07	4.82E-08	7.35E-08	7.31E-07
863	490586.7	3860735	2.21E-03	2.39E-03	3.77E-03	7.65E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.44E-07	0.00E+00	0.00E+00	2.46E-07	4.90E-08	3.11E-07	4.79E-08	7.31E-08	7.27E-07
864	490636.7	3860735	2.20E-03	2.37E-03	3.75E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.38E-07	0.00E+00	0.00E+00	2.45E-07	4.87E-08	3.09E-07	4.77E-08	7.27E-08	7.23E-07
865	490686.7	3860735	2.19E-03	2.36E-03	3.73E-03	7.58E-07	2.29E-06	1.32E-06	1.43E-06	1.29E-06	5.91E-07	9.34E-07	0.00E+00	0.00E+00	2.44E-07	4.85E-08	3.08E-07	4.74E-08	7.23E-08	7.20E-07
866	490736.7	3860735	2.18E-03	2.35E-03	3.71E-03	7.54E-07	2.28E-06	1.32E-06	1.42E-06	1.29E-06	5.88E-07	9.30E-07	0.00E+00	0.00E+00	2.42E-07	4.83E-08	3.06E-07	4.72E-08	7.20E-08	7.16E-07
867	490136.7	3860785	2.22E-03	2.40E-03	3.78E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	6.00E-07	9.47E-07	0.00E+00	0.00E+00	2.47E-07	4.92E-08	3.12E-07	4.82E-08	7.33E-08	7.30E-07
868	490186.7	3860785	2.22E-03	2.40E-03	3.79E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	6.00E-07	9.47E-07	0.00E+00	0.00E+00	2.47E-07	4.92E-08	3.12E-07	4.82E-08	7.34E-08	7.31E-07
869	490236.7	3860785	2.22E-03	2.39E-03	3.78E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	5.99E-07	9.47E-07	0.00E+00	0.00E+00	2.47E-07	4.92E-08	3.12E-07	4.81E-08	7.33E-08	7.30E-07
870	490286.7	3860785	2.22E-03	2.39E-03	3.78E-03	7.68E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	5.99E-07	9.46E-07	0.00E+00	0.00E+00	2.47E-07	4.91E-08	3.12E-07	4.81E-08	7.32E-08	7.29E-07
871	490336.7	3860785	2.21E-03	2.39E-03	3.77E-03	7.66E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.44E-07	0.00E+00	0.00E+00	2.46E-07	4.90E-08	3.11E-07	4.80E-08	7.31E-08	7.28E-07
872	490386.7	3860785	2.21E-03	2.39E-03	3.77E-03	7.65E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.43E-07	0.00E+00	0.00E+00	2.46E-07	4.90E-08	3.11E-07	4.79E-08	7.30E-08	7.27E-07
873	490436.7	3860785	2.20E-03	2.38E-03	3.76E-03	7.63E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.95E-07	9.40E-07	0.00E+00	0.00E+00	2.45E-07	4.88E-08	3.10E-07	4.78E-08	7.28E-08	7.25E-07
874	490486.7	3860785	2.20E-03	2.37E-03	3.75E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.38E-07	0.00E+00	0.00E+00	2.45E-07	4.87E-08	3.09E-07	4.77E-08	7.27E-08	7.23E-07
875	490536.7	3860785	2.19E-03	2.36E-03	3.73E-03	7.57E-07	2.29E-06	1.32E-06	1.43E-06	1.29E-06	5.90E-07	9.33E-07	0.00E+00	0.00E+00	2.43E-07	4.85E-08	3.07E-07	4.74E-08	7.23E-08	7.19E-07
876	490586.7	3860785	2.17E-03	2.34E-03	3.70E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.26E-07	0.00E+00	0.00E+00	2.42E-07	4.81E-08	3.05E-07	4.71E-08	7.17E-08	7.14E-07
877	490636.7	3860785	2.16E-03	2.33E-03	3.68E-03	7.47E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.21E-07	0.00E+00	0.00E+00	2.40E-07	4.78E-08	3.03E-07	4.68E-08	7.13E-08	7.09E-07
878	490686.7	3860785	2.15E-03	2.32E-03	3.66E-03	7.43E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.80E-07	9.16E-07	0.00E+00	0.00E+00	2.39E-07	4.76E-08	3.02E-07	4.66E-08	7.10E-08	7.06E-07
879	490736.7	3860785	2.14E-03	2.31E-03	3.65E-03	7.40E-07	2.23E-06	1.29E-06	1.40E-06	1.26E-06	5.77E-07	9.13E-07	0.00E+00	0.00E+00	2.38E-07	4.74E-08	3.01E-07	4.63E-08	7.07E-08	7.03E-07
880	490086.7	3860835	2.17E-03	2.34E-03	3.69E-03	7.50E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.85E-07	9.23E-07	0.00E+00	0.00E+00	2.41E-07	4.80E-08	3.04E-07	4.70E-08	7.15E-08	7.12E-07
881	490136.7	3860835	2.17E-03	2.34E-03	3.70E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.25E-07	0.00E+00	0.00E+00	2.42E-07	4.81E-08	3.05E-07	4.71E-08	7.16E-08	7.14E-07
882	490186.7	3860835	2.17E-03	2.34E-03	3.70E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.25E-07	0.00E+00	0.00E+00	2.42E-07	4.81E-08	3.05E-07	4.70E-08	7.16E-08	7.13E-07
883	490236.7	3860835	2.17E-03	2.34E-03	3.69E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.85E-07	9.25E-07	0.00E+00	0.00E+00	2.41E-07	4.80E-08	3.05E-07	4.70E-08	7.16E-08	7.13E-07
884	490286.7	3860835	2.17E-03	2.34E-03	3.69E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.85E-07	9.25E-07	0.00E+00	0.00E+00	2.41E-07	4.80E-08	3.05E-07	4.70E-08	7.16E-08	7.13E-07
885	490336.7	3860835	2.16E-03	2.33E-03	3.69E-03	7.49E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.23E-07	0.00E+00	0.00E+00	2.41E-07	4.79E-08	3.04E-07	4.69E-08	7.15E-08	7.12E-07
886	490386.7	3860835	2.16E-03	2.33E-03	3.68E-03	7.48E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.22E-07	0.00E+00	0.00E+00	2.40E-07	4.79E-08	3.04E-07	4.68E-08	7.14E-08	7.10E-07
887	490436.7	3860835	2.16E-03	2.33E-03	3.68E-03	7.47E-07	2.25E-06	1.31E-06	1.41E-06	1.28E-06	5.82E-07	9.21E-07	0.00E+00	0.00E+00	2.40E-07	4.78E-08	3.03E-07	4.68E-08	7.13E-08	7.09E-07
888	490486.7	3860835	2.15E-03	2.32E-03	3.67E-03	7.45E-07	2.25E-06	1.30E-06	1.40E-06	1.27E-06	5.81E-07	9.19E-07	0.00E+00	0.00E+00	2.40E-07	4.77E-08	3.03E-07	4.67E-08	7.11E-08	7.08E-07
889	490536.7	3860835	2.14E-03	2.31E-03	3.66E-03	7.42E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.79E-07	9.15E-07	0.00E+00	0.00E+00	2.39E-07	4.75E-08	3.01E-07	4.65E-08	7.09E-08	7.05E-07
890	490586.7	3860835	2.13E-03	2.30E-03	3.64E-03	7.38E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.76E-07	9.10E-07	0.00E+00	0.00E+00	2.37E-07	4.72E-08	3.00E-07	4.62E-08	7.05E-08	7.01E-07
891	490636.7	3860835	2.12E-03	2.29E-03	3.62E-03	7.34E-07	2.22E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.05E-07	0.00E+00	0.00E+00	2.36E-07	4.70E-08	2.98E-07	4.60E-08	7.01E-08	6.97E-07
892	490686.7	3860835	2.11E-03	2.28E-03	3.60E-03	7.30E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.01E-07	0.00E+00	0.00E+00	2.35E-07	4.67E-08	2.97E-07	4.57E-08	6.97E-08	6.94E-07
893	490736.7	3860835	2.10E-03	2.27E-03	3.58E-03	7.27E-07	2.20E-06	1.27E-06	1.37E-06	1.24E-06	5.67E-07	8.97E-07	0.00E+00	0.00E+00	2.34E-07	4.65E-08	2.95E-07	4.55E-08	6.94E-08	6.91E-07
894	490086.7	3860885	2.12E-03	2.28E-03	3.60E-03	7.32E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.01E-07	0.00E+00	0.00E+00	2.36E-07	4.69E-08	2.97E-07	4.59E-08	6.98E-08	6.95E-07
895	490136.7	3860885	2.12E-03	2.28E-03	3.61E-03	7.33E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.03E-07	0.00E+00	0.00E+00	2.36E-07	4.69E-08	2.98E-07	4.59E-08	6.99E-08	6.96E-07
896	490186.7	3860885	2.12E-03	2.29E-03	3.61E-03	7.34E-07	2.22E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.03E-07	0.00E+00	0.00E+00	2.36E-07	4.69E-08	2.98E-07	4.59E-08	6.99E-08	6.97E-07
897	490236.7	3860885	2.12E-03	2.29E-03	3.61E-03	7.34E-07	2.22E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.04E-07	0.00E+00	0.00E+00	2.36E-07	4.70E-08	2.98E-07	4.59E-08	7.00E-08	6.97E-07
898	490286.7	3860885	2.12E-03	2.29E-03	3.61E-03	7.34E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.04E-07	0.00E+00	0.00E+00	2.36E-07	4.69E-08	2.98E-07	4.59E-08	7.00E-08	6.97E-07
899	490336.7	3860885	2.12E-03	2.28E-03	3.61E-03	7.33E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.03E-07	0.00E+00	0.00E+00	2.36E-07	4.69E-08	2.98E-07	4.59E-08	6.99E-08	6.96E-07
900	490386.7	3860885	2.11E-03	2.28E-03	3.60E-03	7.32E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.02E-07	0.00E+00	0.00E+00	2.35E-07	4.69E-08	2.97E-07	4.58E-08	6.99E-08	6.95E-07
901	490436.7	3860885	2.11E-03	2.28E-03	3.60E-03	7.32E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.02E-07	0.00E+00	0.00E+00	2.35E-07	4.68E-08	2.97E-07	4.58E-08	6.98E-08	6.95E-07
902	490486.7	3860885	2.11E-03	2.27E-03	3.60E-03	7.30E-07	2.20E-06	1.28E-06	1.38E-06	1.25E-06	5.69E-07	9.00E-07	0.00E+00	0.00E+00	2.35E-07	4.67E-08	2.96E-07	4.57E-08	6.97E-08	6.93E-07
903	490536.7	3860885	2.10E-03	2.27E-03	3.58E-03	7.28E-07	2.20E-06	1.27E-06	1.37E-06	1.24E-06	5.68E-07	8.97E-07	0.00E+00	0.00E+00	2.34E-07	4.66E-08	2.96E-07	4.56E-08	6.95E-08	6.91E-07
904	490586.7	3860885	2.09E-03	2.26E-03	3.57E-03	7.25E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.65E-07	8.93E-07	0.00E+00	0.00E+00	2.33E-07	4.64E-08	2.94E-07	4.54E-08	6.92E-08	6.88E-07
905	490636.7	3860885	2.08E-03	2.25E-03	3.55E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.62E-07	8.89E-07	0.00E+00	0.00E+00	2.32E-07	4.61E-08	2.93E-07	4.51E-08	6.88E-08	6.85E-07

906	490686.7	3860885	2.07E-03	2.24E-03	3.53E-03	7.17E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.84E-07	0.00E+00	0.00E+00	2.31E-07	4.59E-08	2.91E-07	4.49E-08	6.85E-08	6.81E-07
907	490736.7	3860885	2.06E-03	2.22E-03	3.52E-03	7.14E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.80E-07	0.00E+00	0.00E+00	2.30E-07	4.57E-08	2.90E-07	4.47E-08	6.82E-08	6.78E-07
908	490086.7	3860935	2.06E-03	2.22E-03	3.51E-03	7.14E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.79E-07	0.00E+00	0.00E+00	2.30E-07	4.57E-08	2.90E-07	4.47E-08	6.80E-08	6.78E-07
909	490136.7	3860935	2.06E-03	2.23E-03	3.51E-03	7.14E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.79E-07	0.00E+00	0.00E+00	2.30E-07	4.57E-08	2.90E-07	4.47E-08	6.81E-08	6.78E-07
910	490186.7	3860935	2.07E-03	2.23E-03	3.52E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.58E-07	8.81E-07	0.00E+00	0.00E+00	2.30E-07	4.58E-08	2.91E-07	4.48E-08	6.82E-08	6.80E-07
911	490236.7	3860935	2.07E-03	2.23E-03	3.53E-03	7.17E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.82E-07	0.00E+00	0.00E+00	2.30E-07	4.59E-08	2.91E-07	4.49E-08	6.83E-08	6.80E-07
912	490286.7	3860935	2.07E-03	2.23E-03	3.53E-03	7.17E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.83E-07	0.00E+00	0.00E+00	2.31E-07	4.59E-08	2.91E-07	4.49E-08	6.84E-08	6.81E-07
913	490336.7	3860935	2.07E-03	2.23E-03	3.53E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.83E-07	0.00E+00	0.00E+00	2.30E-07	4.59E-08	2.91E-07	4.49E-08	6.83E-08	6.80E-07
914	490386.7	3860935	2.07E-03	2.23E-03	3.53E-03	7.17E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.83E-07	0.00E+00	0.00E+00	2.30E-07	4.59E-08	2.91E-07	4.49E-08	6.84E-08	6.81E-07
915	490436.7	3860935	2.07E-03	2.23E-03	3.53E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.83E-07	0.00E+00	0.00E+00	2.30E-07	4.59E-08	2.91E-07	4.49E-08	6.84E-08	6.80E-07
916	490486.7	3860935	2.07E-03	2.23E-03	3.52E-03	7.15E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.58E-07	8.81E-07	0.00E+00	0.00E+00	2.30E-07	4.58E-08	2.90E-07	4.48E-08	6.83E-08	6.79E-07
917	490536.7	3860935	2.06E-03	2.22E-03	3.51E-03	7.13E-07	2.15E-06	1.25E-06	1.35E-06	1.22E-06	5.56E-07	8.80E-07	0.00E+00	0.00E+00	2.29E-07	4.57E-08	2.90E-07	4.47E-08	6.81E-08	6.78E-07
918	490586.7	3860935	2.05E-03	2.22E-03	3.50E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.54E-07	8.77E-07	0.00E+00	0.00E+00	2.29E-07	4.55E-08	2.89E-07	4.45E-08	6.79E-08	6.75E-07
919	490636.7	3860935	2.04E-03	2.21E-03	3.49E-03	7.08E-07	2.14E-06	1.24E-06	1.33E-06	1.21E-06	5.52E-07	8.73E-07	0.00E+00	0.00E+00	2.28E-07	4.53E-08	2.87E-07	4.43E-08	6.76E-08	6.72E-07
920	490686.7	3860935	2.04E-03	2.20E-03	3.47E-03	7.05E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.50E-07	8.69E-07	0.00E+00	0.00E+00	2.27E-07	4.51E-08	2.86E-07	4.41E-08	6.73E-08	6.69E-07
921	490736.7	3860935	2.03E-03	2.19E-03	3.46E-03	7.01E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.65E-07	0.00E+00	0.00E+00	2.26E-07	4.49E-08	2.85E-07	4.39E-08	6.70E-08	6.66E-07
922	490786.7	3860935	2.02E-03	2.17E-03	3.44E-03	6.98E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.61E-07	0.00E+00	0.00E+00	2.24E-07	4.47E-08	2.83E-07	4.37E-08	6.66E-08	6.63E-07
923	490836.7	3860935	2.01E-03	2.17E-03	3.43E-03	6.95E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.57E-07	0.00E+00	0.00E+00	2.23E-07	4.45E-08	2.82E-07	4.35E-08	6.64E-08	6.60E-07
924	490086.7	3860985	2.01E-03	2.17E-03	3.43E-03	6.97E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.43E-07	8.58E-07	0.00E+00	0.00E+00	2.24E-07	4.46E-08	2.83E-07	4.36E-08	6.64E-08	6.62E-07
925	490136.7	3860985	2.02E-03	2.18E-03	3.43E-03	6.98E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.59E-07	0.00E+00	0.00E+00	2.25E-07	4.47E-08	2.83E-07	4.37E-08	6.65E-08	6.63E-07
926	490186.7	3860985	2.02E-03	2.18E-03	3.44E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.61E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.38E-08	6.67E-08	6.64E-07
927	490236.7	3860985	2.02E-03	2.18E-03	3.44E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.62E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.38E-08	6.67E-08	6.65E-07
928	490286.7	3860985	2.02E-03	2.18E-03	3.45E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.63E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.39E-08	6.68E-08	6.65E-07
929	490336.7	3860985	2.02E-03	2.18E-03	3.45E-03	7.01E-07	2.12E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.63E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.85E-07	4.39E-08	6.68E-08	6.65E-07
930	490386.7	3860985	2.02E-03	2.18E-03	3.45E-03	7.01E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.64E-07	0.00E+00	0.00E+00	2.25E-07	4.49E-08	2.85E-07	4.39E-08	6.69E-08	6.66E-07
931	490436.7	3860985	2.03E-03	2.19E-03	3.45E-03	7.02E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.65E-07	0.00E+00	0.00E+00	2.26E-07	4.49E-08	2.85E-07	4.39E-08	6.69E-08	6.66E-07
932	490486.7	3860985	2.02E-03	2.18E-03	3.45E-03	7.01E-07	2.12E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.64E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.85E-07	4.39E-08	6.69E-08	6.65E-07
933	490536.7	3860985	2.02E-03	2.18E-03	3.44E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.62E-07	0.00E+00	0.00E+00	2.25E-07	4.47E-08	2.84E-07	4.38E-08	6.67E-08	6.64E-07
934	490586.7	3860985	2.01E-03	2.17E-03	3.43E-03	6.97E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.44E-07	8.60E-07	0.00E+00	0.00E+00	2.24E-07	4.46E-08	2.83E-07	4.37E-08	6.66E-08	6.62E-07
935	490636.7	3860985	2.01E-03	2.17E-03	3.43E-03	6.95E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.42E-07	8.57E-07	0.00E+00	0.00E+00	2.24E-07	4.45E-08	2.82E-07	4.35E-08	6.64E-08	6.60E-07
936	490686.7	3860985	2.00E-03	2.16E-03	3.41E-03	6.92E-07	2.09E-06	1.21E-06	1.31E-06	1.18E-06	5.40E-07	8.54E-07	0.00E+00	0.00E+00	2.23E-07	4.43E-08	2.81E-07	4.34E-08	6.61E-08	6.57E-07
937	490736.7	3860985	1.99E-03	2.15E-03	3.40E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.37E-07	8.50E-07	0.00E+00	0.00E+00	2.22E-07	4.41E-08	2.80E-07	4.32E-08	6.58E-08	6.54E-07
938	490786.7	3860985	1.98E-03	2.14E-03	3.38E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.46E-07	0.00E+00	0.00E+00	2.21E-07	4.39E-08	2.79E-07	4.30E-08	6.55E-08	6.52E-07
939	490836.7	3860985	1.97E-03	2.13E-03	3.37E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.43E-07	0.00E+00	0.00E+00	2.20E-07	4.37E-08	2.77E-07	4.28E-08	6.53E-08	6.49E-07
940	490086.7	3861035	1.97E-03	2.12E-03	3.35E-03	6.80E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.37E-07	0.00E+00	0.00E+00	2.19E-07	4.35E-08	2.76E-07	4.26E-08	6.48E-08	6.46E-07
941	490136.7	3861035	1.97E-03	2.12E-03	3.35E-03	6.82E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.39E-07	0.00E+00	0.00E+00	2.19E-07	4.36E-08	2.77E-07	4.27E-08	6.50E-08	6.47E-07
942	490186.7	3861035	1.97E-03	2.13E-03	3.36E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.41E-07	0.00E+00	0.00E+00	2.20E-07	4.37E-08	2.77E-07	4.28E-08	6.51E-08	6.48E-07
943	490236.7	3861035	1.98E-03	2.13E-03	3.37E-03	6.84E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.33E-07	8.42E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.28E-08	6.52E-08	6.50E-07
944	490286.7	3861035	1.98E-03	2.13E-03	3.37E-03	6.84E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.34E-07	8.43E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.29E-08	6.53E-08	6.50E-07
945	490336.7	3861035	1.98E-03	2.13E-03	3.37E-03	6.85E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.34E-07	8.43E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.29E-08	6.53E-08	6.50E-07
946	490386.7	3861035	1.98E-03	2.14E-03	3.38E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.45E-07	0.00E+00	0.00E+00	2.21E-07	4.39E-08	2.79E-07	4.30E-08	6.54E-08	6.51E-07
947	490436.7	3861035	1.98E-03	2.14E-03	3.38E-03	6.87E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.36E-07	8.46E-07	0.00E+00	0.00E+00	2.21E-07	4.39E-08	2.79E-07	4.30E-08	6.55E-08	6.52E-07
948	490486.7	3861035	1.98E-03	2.14E-03	3.38E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.46E-07	0.00E+00	0.00E+00	2.21E-07	4.39E-08	2.79E-07	4.30E-08	6.55E-08	6.52E-07
949	490536.7	3861035	1.98E-03	2.14E-03	3.38E-03	6.85E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.45E-07	0.00E+00	0.00E+00	2.20E-07	4.39E-08	2.78E-07	4.29E-08	6.54E-08	6.51E-07
950	490586.7	3861035	1.98E-03	2.13E-03	3.37E-03	6.84E-07	2.06E-06	1.20E-06	1.29E-06	1.17E-06	5.33E-07	8.43E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.28E-08	6.53E-08	6.49E-07
951	490636.7	3861035	1.97E-03	2.12E-03	3.36E-03	6.82E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.41E-07	0.00E+00	0.00E+00	2.19E-07	4.36E-08	2.77E-07	4.27E-08	6.51E-08	6.48E-07
952	490686.7	3861035	1.96E-03	2.12E-03	3.35E-03	6.79E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.30E-07	8.38E-07	0.00E+00	0.00E+00	2.18E-07	4.35E-08	2.76E-07	4.26E-08	6.49E-08	6.45E-07
953	490736.7	3861035	1.96E-03	2.11E-03	3.34E-03	6.77E-07	2.04E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.35E-07	0.00E+00	0.00E+00	2.18E-07	4.33E-08	2.75E-07	4.24E-08	6.46E-08	6.43E-07
954	490786.7	3861035	1.95E-03	2.10E-03	3.32E-03	6.74E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.32E-07	0.00E+00	0.00E+00	2.17E-07	4.32E-08	2.74E-07	4.22E-08	6.44E-08	6.41E-07
955	490836.7	3861035	1.94E-03	2.09E-03	3.31E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.29E-07	0.00E+00	0.00E+00	2.16E-07	4.30E-08	2.73E-07	4.21E-08	6.42E-08	6.38E-07
956	490086.7	3861085	1.92E-03	2.07E-03	3.27E-03	6.64E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.18E-07	8.17E-07	0.00E+00	0.00E+00	2.14E-07	4.25E-08	2.70E-07	4.16E-08	6.33E-08	6.31E-07
957	490136.7	3861085	1.93E-03	2.08E-03	3.28E-03	6.66E-07	2.01E-06	1.16E-06	1.26E-06	1.14E-06	5.20E-07	8.20E-07	0.00E+00	0.00E+00	2.14E-07	4.26E-08	2.71E-07	4.17E-08	6.35E-08	6.33E-07
958	490186.7	3861085	1.93E-03	2.08E-03	3.29E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.23E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.71E-07	4.19E-08	6.37E-08	6.35E-07
959	490236.7	3861085	1.93E-03	2.08E-03	3.29E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.24E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.72E-07	4.19E-08	6.38E-08	6.35E-07
960	490286.7	3861085	1.93E-03	2.09E-03	3.29E-03	6.70E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.25E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.72E-07	4.19E-08	6.38E-08	6.36E-07
961	490336.7	3861085	1.94E-03	2.09E-03	3.30E-03	6.70E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.25E-07	0.00E+00	0.00E+00	2.15E-07	4.29E-08	2.72E-07	4.19E-08	6.39E-08	6.36E-07
962	490386.7	3861085	1.94E-03	2.09E-03	3.30E-03	6.71E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.23E-07	8.27E-07	0.00E+00	0.00E+00	2.16E-07	4.29E-08	2.73E-07	4.20E-08	6.40E-08	6.37E-07

963	490436.7	3861085	1.94E-03	2.09E-03	3.31E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.28E-07	0.00E+00	0.00E+00	2.16E-07	4.30E-08	2.73E-07	4.21E-08	6.41E-08	6.38E-07
964	490486.7	3861085	1.94E-03	2.09E-03	3.31E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.28E-07	0.00E+00	0.00E+00	2.16E-07	4.30E-08	2.73E-07	4.21E-08	6.41E-08	6.38E-07
965	490536.7	3861085	1.94E-03	2.09E-03	3.31E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.28E-07	0.00E+00	0.00E+00	2.16E-07	4.30E-08	2.73E-07	4.21E-08	6.41E-08	6.38E-07
966	490586.7	3861085	1.94E-03	2.09E-03	3.30E-03	6.71E-07	2.02E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.27E-07	0.00E+00	0.00E+00	2.16E-07	4.29E-08	2.72E-07	4.20E-08	6.40E-08	6.37E-07
967	490636.7	3861085	1.93E-03	2.08E-03	3.29E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.24E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.72E-07	4.19E-08	6.38E-08	6.35E-07
968	490686.7	3861085	1.93E-03	2.08E-03	3.29E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.22E-07	0.00E+00	0.00E+00	2.14E-07	4.27E-08	2.71E-07	4.18E-08	6.37E-08	6.33E-07
969	490736.7	3861085	1.92E-03	2.07E-03	3.28E-03	6.65E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.18E-07	8.20E-07	0.00E+00	0.00E+00	2.14E-07	4.25E-08	2.70E-07	4.16E-08	6.35E-08	6.31E-07
970	490786.7	3861085	1.91E-03	2.07E-03	3.27E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.17E-07	0.00E+00	0.00E+00	2.13E-07	4.24E-08	2.69E-07	4.15E-08	6.33E-08	6.29E-07
971	490836.7	3861085	1.91E-03	2.06E-03	3.25E-03	6.60E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.14E-07	0.00E+00	0.00E+00	2.12E-07	4.23E-08	2.68E-07	4.13E-08	6.31E-08	6.27E-07
972	490086.7	3861135	1.87E-03	2.02E-03	3.19E-03	6.49E-07	1.96E-06	1.13E-06	1.22E-06	1.11E-06	5.06E-07	7.98E-07	0.00E+00	0.00E+00	2.09E-07	4.15E-08	2.63E-07	4.06E-08	6.18E-08	6.16E-07
973	490136.7	3861135	1.88E-03	2.03E-03	3.20E-03	6.51E-07	1.96E-06	1.14E-06	1.23E-06	1.11E-06	5.07E-07	8.01E-07	0.00E+00	0.00E+00	2.09E-07	4.16E-08	2.64E-07	4.07E-08	6.20E-08	6.18E-07
974	490186.7	3861135	1.89E-03	2.03E-03	3.21E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.09E-07	8.03E-07	0.00E+00	0.00E+00	2.10E-07	4.18E-08	2.65E-07	4.09E-08	6.22E-08	6.20E-07
975	490236.7	3861135	1.89E-03	2.04E-03	3.22E-03	6.54E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.05E-07	0.00E+00	0.00E+00	2.10E-07	4.19E-08	2.66E-07	4.10E-08	6.24E-08	6.21E-07
976	490286.7	3861135	1.89E-03	2.04E-03	3.22E-03	6.55E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	8.07E-07	0.00E+00	0.00E+00	2.11E-07	4.19E-08	2.66E-07	4.10E-08	6.25E-08	6.22E-07
977	490336.7	3861135	1.89E-03	2.04E-03	3.23E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	8.08E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.66E-07	4.11E-08	6.25E-08	6.23E-07
978	490386.7	3861135	1.90E-03	2.05E-03	3.23E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.09E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.67E-07	4.11E-08	6.26E-08	6.24E-07
979	490436.7	3861135	1.90E-03	2.05E-03	3.23E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.10E-07	0.00E+00	0.00E+00	2.11E-07	4.21E-08	2.67E-07	4.11E-08	6.27E-08	6.24E-07
980	490486.7	3861135	1.90E-03	2.05E-03	3.24E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.12E-06	5.13E-07	8.10E-07	0.00E+00	0.00E+00	2.11E-07	4.21E-08	2.67E-07	4.12E-08	6.27E-08	6.24E-07
981	490536.7	3861135	1.90E-03	2.05E-03	3.24E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.12E-06	5.13E-07	8.11E-07	0.00E+00	0.00E+00	2.11E-07	4.21E-08	2.67E-07	4.12E-08	6.28E-08	6.25E-07
982	490586.7	3861135	1.90E-03	2.05E-03	3.24E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.10E-07	0.00E+00	0.00E+00	2.11E-07	4.21E-08	2.67E-07	4.11E-08	6.27E-08	6.24E-07
983	490636.7	3861135	1.89E-03	2.04E-03	3.23E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	8.08E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.66E-07	4.11E-08	6.26E-08	6.23E-07
984	490686.7	3861135	1.89E-03	2.04E-03	3.22E-03	6.54E-07	1.98E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.07E-07	0.00E+00	0.00E+00	2.10E-07	4.19E-08	2.66E-07	4.10E-08	6.25E-08	6.22E-07
985	490736.7	3861135	1.89E-03	2.04E-03	3.22E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.09E-07	8.05E-07	0.00E+00	0.00E+00	2.10E-07	4.18E-08	2.65E-07	4.09E-08	6.24E-08	6.20E-07
986	490786.7	3861135	1.88E-03	2.03E-03	3.21E-03	6.51E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	8.03E-07	0.00E+00	0.00E+00	2.09E-07	4.17E-08	2.65E-07	4.08E-08	6.22E-08	6.19E-07
987	490836.7	3861135	1.87E-03	2.02E-03	3.20E-03	6.49E-07	1.96E-06	1.13E-06	1.22E-06	1.11E-06	5.06E-07	8.01E-07	0.00E+00	0.00E+00	2.09E-07	4.15E-08	2.64E-07	4.06E-08	6.20E-08	6.16E-07
988	490086.7	3861185	1.83E-03	1.97E-03	3.11E-03	6.34E-07	1.91E-06	1.11E-06	1.19E-06	1.08E-06	4.94E-07	7.79E-07	0.00E+00	0.00E+00	2.04E-07	4.05E-08	2.57E-07	3.97E-08	6.04E-08	6.02E-07
989	490136.7	3861185	1.83E-03	1.98E-03	3.12E-03	6.35E-07	1.92E-06	1.11E-06	1.20E-06	1.08E-06	4.95E-07	7.81E-07	0.00E+00	0.00E+00	2.04E-07	4.06E-08	2.58E-07	3.97E-08	6.05E-08	6.03E-07
990	490186.7	3861185	1.84E-03	1.98E-03	3.13E-03	6.36E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.83E-07	0.00E+00	0.00E+00	2.05E-07	4.07E-08	2.58E-07	3.98E-08	6.06E-08	6.04E-07
991	490236.7	3861185	1.84E-03	1.99E-03	3.14E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.86E-07	0.00E+00	0.00E+00	2.05E-07	4.08E-08	2.59E-07	4.00E-08	6.08E-08	6.06E-07
992	490286.7	3861185	1.85E-03	1.99E-03	3.15E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.88E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.01E-08	6.10E-08	6.08E-07
993	490336.7	3861185	1.85E-03	1.99E-03	3.15E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.88E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.01E-08	6.10E-08	6.08E-07
994	490386.7	3861185	1.85E-03	2.00E-03	3.16E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.90E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.02E-08	6.12E-08	6.09E-07
995	490436.7	3861185	1.86E-03	2.00E-03	3.16E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.92E-07	0.00E+00	0.00E+00	2.07E-07	4.11E-08	2.61E-07	4.03E-08	6.13E-08	6.10E-07
996	490486.7	3861185	1.86E-03	2.00E-03	3.17E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.02E-07	7.93E-07	0.00E+00	0.00E+00	2.07E-07	4.12E-08	2.61E-07	4.03E-08	6.14E-08	6.11E-07
997	490536.7	3861185	1.86E-03	2.01E-03	3.18E-03	6.45E-07	1.95E-06	1.13E-06	1.22E-06	1.10E-06	5.03E-07	7.95E-07	0.00E+00	0.00E+00	2.07E-07	4.13E-08	2.62E-07	4.04E-08	6.15E-08	6.12E-07
998	490586.7	3861185	1.86E-03	2.01E-03	3.17E-03	6.44E-07	1.95E-06	1.13E-06	1.21E-06	1.10E-06	5.02E-07	7.94E-07	0.00E+00	0.00E+00	2.07E-07	4.12E-08	2.62E-07	4.03E-08	6.15E-08	6.12E-07
999	490636.7	3861185	1.86E-03	2.00E-03	3.17E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.92E-07	0.00E+00	0.00E+00	2.07E-07	4.11E-08	2.61E-07	4.02E-08	6.13E-08	6.10E-07
1000	490686.7	3861185	1.85E-03	2.00E-03	3.16E-03	6.42E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.91E-07	0.00E+00	0.00E+00	2.06E-07	4.11E-08	2.61E-07	4.02E-08	6.13E-08	6.09E-07
1001	490736.7	3861185	1.85E-03	2.00E-03	3.16E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.91E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.02E-08	6.12E-08	6.09E-07
1002	490786.7	3861185	1.85E-03	1.99E-03	3.15E-03	6.40E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.90E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.01E-08	6.11E-08	6.08E-07
1003	490836.7	3861185	1.84E-03	1.99E-03	3.15E-03	6.38E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.87E-07	0.00E+00	0.00E+00	2.05E-07	4.08E-08	2.59E-07	4.00E-08	6.10E-08	6.06E-07
1004	490086.7	3861235	1.79E-03	1.93E-03	3.04E-03	6.19E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.61E-07	0.00E+00	0.00E+00	1.99E-07	3.96E-08	2.51E-07	3.87E-08	5.89E-08	5.88E-07
1005	490136.7	3861235	1.79E-03	1.93E-03	3.05E-03	6.20E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.63E-07	0.00E+00	0.00E+00	1.99E-07	3.97E-08	2.52E-07	3.88E-08	5.91E-08	5.89E-07
1006	490186.7	3861235	1.80E-03	1.94E-03	3.06E-03	6.22E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.85E-07	7.65E-07	0.00E+00	0.00E+00	2.00E-07	3.98E-08	2.52E-07	3.89E-08	5.93E-08	5.90E-07
1007	490236.7	3861235	1.80E-03	1.94E-03	3.06E-03	6.23E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.86E-07	7.67E-07	0.00E+00	0.00E+00	2.00E-07	3.99E-08	2.53E-07	3.90E-08	5.94E-08	5.91E-07
1008	490386.7	3861235	1.81E-03	1.95E-03	3.08E-03	6.26E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.71E-07	0.00E+00	0.00E+00	2.01E-07	4.01E-08	2.54E-07	3.92E-08	5.97E-08	5.95E-07
1009	490436.7	3861235	1.81E-03	1.95E-03	3.09E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.89E-07	7.73E-07	0.00E+00	0.00E+00	2.02E-07	4.01E-08	2.55E-07	3.93E-08	5.98E-08	5.96E-07
1010	490486.7	3861235	1.81E-03	1.96E-03	3.09E-03	6.28E-07	1.90E-06	1.10E-06	1.18E-06	1.07E-06	4.90E-07	7.74E-07	0.00E+00	0.00E+00	2.02E-07	4.02E-08	2.55E-07	3.93E-08	5.99E-08	5.96E-07
1011	490536.7	3861235	1.82E-03	1.96E-03	3.11E-03	6.31E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.92E-07	7.77E-07	0.00E+00	0.00E+00	2.03E-07	4.04E-08	2.56E-07	3.95E-08	6.02E-08	5.99E-07
1012	490586.7	3861235	1.83E-03	1.97E-03	3.11E-03	6.32E-07	1.91E-06	1.10E-06	1.19E-06	1.08E-06	4.93E-07	7.79E-07	0.00E+00	0.00E+00	2.03E-07	4.04E-08	2.57E-07	3.96E-08	6.03E-08	6.00E-07
1013	490636.7	3861235	1.82E-03	1.96E-03	3.10E-03	6.30E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.91E-07	7.76E-07	0.00E+00	0.00E+00	2.02E-07	4.03E-08	2.56E-07	3.94E-08	6.01E-08	5.98E-07
1014	490686.7	3861235	1.82E-03	1.96E-03	3.10E-03	6.29E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.91E-07	7.76E-07	0.00E+00	0.00E+00	2.02E-07	4.03E-08	2.56E-07	3.94E-08	6.01E-08	5.98E-07
1015	490736.7	3861235	1.82E-03	1.96E-03	3.10E-03	6.29E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.91E-07	7.76E-07	0.00E+00	0.00E+00	2.02E-07	4.03E-08	2.56E-07	3.94E-08	6.01E-08	5.98E-07
1016	490786.7	3861235	1.82E-03	1.96E-03	3.10E-03	6.29E-07	1.90E-06	1.10E-06	1.19E-06	1.07E-06	4.90E-07	7.76E-07	0.00E+00	0.00E+00	2.02E-07	4.02E-08	2.55E-07	3.94E-08	6.01E-08	5.97E-07
1017	490836.7	3861235	1.81E-03	1.96E-03	3.09E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.89E-07	7.74E-07	0.00E+00	0.00E+00	2.02E-07	4.02E-08	2.55E-07	3.93E-08	5.99E-08	5.96E-07
1018	490086.7	3861285	1.75E-03	1.89E-03	2.98E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.72E-07	7.45E-07	0.00E+00	0.00E+00	1.95E-07	3.87E-08	2.46E-07	3.79E-08	5.77E-08	5.75E-07
1019	490136.7	3861285	1.76E-03	1.89E-03	2.99E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.48E-07	0.00E+00	0.00E+00	1.95E-07	3.89E-08	2.47E-07	3.81E-08	5.79E-08	5.77E-07

1020	490186.7	3861285	1.76E-03	1.89E-03	2.99E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.48E-07	0.00E+00	0.00E+00	1.96E-07	3.89E-08	2.47E-07	3.81E-08	5.79E-08	5.77E-07
1021	490236.7	3861285	1.76E-03	1.90E-03	3.00E-03	6.09E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.50E-07	0.00E+00	0.00E+00	1.96E-07	3.90E-08	2.47E-07	3.81E-08	5.81E-08	5.78E-07
1022	490386.7	3861285	1.77E-03	1.91E-03	3.01E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.55E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.49E-07	3.84E-08	5.84E-08	5.82E-07
1023	490436.7	3861285	1.77E-03	1.91E-03	3.02E-03	6.14E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.56E-07	0.00E+00	0.00E+00	1.97E-07	3.93E-08	2.49E-07	3.85E-08	5.86E-08	5.83E-07
1024	490486.7	3861285	1.78E-03	1.92E-03	3.03E-03	6.15E-07	1.86E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.57E-07	0.00E+00	0.00E+00	1.98E-07	3.93E-08	2.50E-07	3.85E-08	5.86E-08	5.84E-07
1025	490536.7	3861285	1.78E-03	1.92E-03	3.03E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.80E-07	7.59E-07	0.00E+00	0.00E+00	1.98E-07	3.94E-08	2.50E-07	3.86E-08	5.88E-08	5.85E-07
1026	490586.7	3861285	1.78E-03	1.92E-03	3.04E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.60E-07	0.00E+00	0.00E+00	1.98E-07	3.95E-08	2.51E-07	3.86E-08	5.89E-08	5.86E-07
1027	490636.7	3861285	1.78E-03	1.92E-03	3.04E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.60E-07	0.00E+00	0.00E+00	1.98E-07	3.94E-08	2.50E-07	3.86E-08	5.88E-08	5.85E-07
1028	490686.7	3861285	1.78E-03	1.92E-03	3.04E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.60E-07	0.00E+00	0.00E+00	1.98E-07	3.94E-08	2.50E-07	3.86E-08	5.88E-08	5.85E-07
1029	490736.7	3861285	1.78E-03	1.92E-03	3.04E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.06E-06	4.82E-07	7.61E-07	0.00E+00	0.00E+00	1.99E-07	3.95E-08	2.51E-07	3.87E-08	5.90E-08	5.86E-07
1030	490786.7	3861285	1.78E-03	1.92E-03	3.04E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.61E-07	0.00E+00	0.00E+00	1.98E-07	3.95E-08	2.51E-07	3.86E-08	5.89E-08	5.86E-07
1031	490836.7	3861285	1.78E-03	1.92E-03	3.03E-03	6.15E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.80E-07	7.59E-07	0.00E+00	0.00E+00	1.98E-07	3.94E-08	2.50E-07	3.85E-08	5.88E-08	5.85E-07
1032	490061.2	3859716	3.88E-03	4.18E-03	6.57E-03	1.34E-06	4.05E-06	2.35E-06	2.53E-06	2.29E-06	1.05E-06	1.64E-06	0.00E+00	0.00E+00	4.32E-07	8.59E-08	5.45E-07	8.40E-08	1.27E-07	1.27E-06
1033	490111.2	3859716	3.89E-03	4.19E-03	6.59E-03	1.35E-06	4.06E-06	2.35E-06	2.54E-06	2.30E-06	1.05E-06	1.65E-06	0.00E+00	0.00E+00	4.33E-07	8.61E-08	5.46E-07	8.42E-08	1.28E-07	1.28E-06
1034	490161.2	3859716	3.90E-03	4.20E-03	6.60E-03	1.35E-06	4.08E-06	2.36E-06	2.54E-06	2.30E-06	1.05E-06	1.65E-06	0.00E+00	0.00E+00	4.34E-07	8.63E-08	5.48E-07	8.45E-08	1.28E-07	1.28E-06
1035	490211.2	3859716	3.91E-03	4.21E-03	6.62E-03	1.35E-06	4.08E-06	2.36E-06	2.55E-06	2.31E-06	1.05E-06	1.66E-06	0.00E+00	0.00E+00	4.35E-07	8.65E-08	5.49E-07	8.47E-08	1.28E-07	1.28E-06
1036	490061.2	3859766	3.73E-03	4.02E-03	6.32E-03	1.29E-06	3.89E-06	2.25E-06	2.43E-06	2.20E-06	1.01E-06	1.58E-06	0.00E+00	0.00E+00	4.15E-07	8.25E-08	5.23E-07	8.07E-08	1.22E-07	1.22E-06
1037	490111.2	3859766	3.73E-03	4.02E-03	6.32E-03	1.29E-06	3.90E-06	2.26E-06	2.43E-06	2.20E-06	1.01E-06	1.58E-06	0.00E+00	0.00E+00	4.15E-07	8.25E-08	5.24E-07	8.08E-08	1.22E-07	1.22E-06
1038	490161.2	3859766	3.73E-03	4.02E-03	6.33E-03	1.29E-06	3.90E-06	2.26E-06	2.43E-06	2.21E-06	1.01E-06	1.58E-06	0.00E+00	0.00E+00	4.15E-07	8.26E-08	5.24E-07	8.09E-08	1.23E-07	1.23E-06
1039	490211.2	3859766	3.74E-03	4.03E-03	6.34E-03	1.29E-06	3.91E-06	2.26E-06	2.44E-06	2.21E-06	1.01E-06	1.59E-06	0.00E+00	0.00E+00	4.16E-07	8.28E-08	5.26E-07	8.10E-08	1.23E-07	1.23E-06
1040	490061.2	3859816	3.59E-03	3.87E-03	6.09E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.68E-07	1.52E-06	0.00E+00	0.00E+00	4.00E-07	7.95E-08	5.04E-07	7.78E-08	1.18E-07	1.18E-06
1041	490111.2	3859816	3.58E-03	3.86E-03	6.08E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.67E-07	1.52E-06	0.00E+00	0.00E+00	3.99E-07	7.94E-08	5.04E-07	7.77E-08	1.18E-07	1.18E-06
1042	490161.2	3859816	3.59E-03	3.87E-03	6.08E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.67E-07	1.52E-06	0.00E+00	0.00E+00	3.99E-07	7.94E-08	5.04E-07	7.77E-08	1.18E-07	1.18E-06
1043	490211.2	3859816	3.59E-03	3.87E-03	6.09E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.68E-07	1.52E-06	0.00E+00	0.00E+00	3.99E-07	7.95E-08	5.04E-07	7.78E-08	1.18E-07	1.18E-06
1044	490061.2	3859866	3.47E-03	3.74E-03	5.89E-03	1.20E-06	3.62E-06	2.10E-06	2.26E-06	2.05E-06	9.36E-07	1.47E-06	0.00E+00	0.00E+00	3.86E-07	7.68E-08	4.87E-07	7.51E-08	1.14E-07	1.14E-06
1045	490111.2	3859866	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.62E-06	2.09E-06	2.26E-06	2.05E-06	9.34E-07	1.47E-06	0.00E+00	0.00E+00	3.85E-07	7.66E-08	4.86E-07	7.50E-08	1.14E-07	1.14E-06
1046	490161.2	3859866	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.61E-06	2.09E-06	2.25E-06	2.04E-06	9.33E-07	1.47E-06	0.00E+00	0.00E+00	3.85E-07	7.65E-08	4.86E-07	7.49E-08	1.14E-07	1.14E-06
1047	490211.2	3859866	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.61E-06	2.09E-06	2.25E-06	2.04E-06	9.32E-07	1.47E-06	0.00E+00	0.00E+00	3.85E-07	7.65E-08	4.86E-07	7.49E-08	1.14E-07	1.14E-06
1048	490061.2	3859916	3.36E-03	3.62E-03	5.71E-03	1.16E-06	3.51E-06	2.03E-06	2.19E-06	1.99E-06	9.07E-07	1.43E-06	0.00E+00	0.00E+00	3.74E-07	7.44E-08	4.72E-07	7.28E-08	1.11E-07	1.10E-06
1049	490111.2	3859916	3.35E-03	3.61E-03	5.69E-03	1.16E-06	3.50E-06	2.03E-06	2.18E-06	1.98E-06	9.04E-07	1.42E-06	0.00E+00	0.00E+00	3.73E-07	7.42E-08	4.71E-07	7.26E-08	1.10E-07	1.10E-06
1050	490161.2	3859916	3.34E-03	3.60E-03	5.67E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.01E-07	1.42E-06	0.00E+00	0.00E+00	3.72E-07	7.40E-08	4.69E-07	7.24E-08	1.10E-07	1.10E-06
1051	490211.2	3859916	3.33E-03	3.60E-03	5.66E-03	1.15E-06	3.49E-06	2.02E-06	2.18E-06	1.97E-06	9.00E-07	1.42E-06	0.00E+00	0.00E+00	3.71E-07	7.38E-08	4.69E-07	7.23E-08	1.10E-07	1.10E-06
1052	490229.3	3859815	3.60E-03	3.88E-03	6.10E-03	1.24E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.70E-07	1.53E-06	0.00E+00	0.00E+00	4.00E-07	7.96E-08	5.05E-07	7.79E-08	1.18E-07	1.18E-06
1053	490279.3	3859815	3.60E-03	3.88E-03	6.11E-03	1.25E-06	3.76E-06	2.18E-06	2.35E-06	2.13E-06	9.72E-07	1.53E-06	0.00E+00	0.00E+00	4.01E-07	7.97E-08	5.06E-07	7.80E-08	1.18E-07	1.18E-06
1054	490329.3	3859815	3.61E-03	3.89E-03	6.12E-03	1.25E-06	3.77E-06	2.18E-06	2.35E-06	2.13E-06	9.74E-07	1.53E-06	0.00E+00	0.00E+00	4.02E-07	7.99E-08	5.07E-07	7.82E-08	1.19E-07	1.19E-06
1055	490379.3	3859815	3.62E-03	3.91E-03	6.14E-03	1.25E-06	3.79E-06	2.19E-06	2.36E-06	2.14E-06	9.78E-07	1.54E-06	0.00E+00	0.00E+00	4.03E-07	8.02E-08	5.09E-07	7.85E-08	1.19E-07	1.19E-06
1056	490429.3	3859815	3.64E-03	3.93E-03	6.18E-03	1.26E-06	3.81E-06	2.20E-06	2.38E-06	2.15E-06	9.83E-07	1.55E-06	0.00E+00	0.00E+00	4.05E-07	8.07E-08	5.12E-07	7.89E-08	1.20E-07	1.20E-06
1057	490229.3	3859865	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.61E-06	2.09E-06	2.26E-06	2.05E-06	9.33E-07	1.47E-06	0.00E+00	0.00E+00	3.85E-07	7.66E-08	4.86E-07	7.49E-08	1.14E-07	1.14E-06
1058	490279.3	3859865	3.46E-03	3.73E-03	5.87E-03	1.20E-06	3.62E-06	2.09E-06	2.26E-06	2.05E-06	9.34E-07	1.47E-06	0.00E+00	0.00E+00	3.85E-07	7.66E-08	4.86E-07	7.50E-08	1.14E-07	1.14E-06
1059	490329.3	3859865	3.47E-03	3.74E-03	5.88E-03	1.20E-06	3.62E-06	2.10E-06	2.26E-06	2.05E-06	9.35E-07	1.47E-06	0.00E+00	0.00E+00	3.86E-07	7.67E-08	4.87E-07	7.51E-08	1.14E-07	1.14E-06
1060	490379.3	3859865	3.47E-03	3.75E-03	5.90E-03	1.20E-06	3.63E-06	2.10E-06	2.27E-06	2.05E-06	9.38E-07	1.48E-06	0.00E+00	0.00E+00	3.87E-07	7.69E-08	4.88E-07	7.53E-08	1.14E-07	1.14E-06
1061	490429.3	3859865	3.49E-03	3.76E-03	5.92E-03	1.21E-06	3.64E-06	2.11E-06	2.27E-06	2.06E-06	9.41E-07	1.48E-06	0.00E+00	0.00E+00	3.88E-07	7.72E-08	4.90E-07	7.55E-08	1.15E-07	1.15E-06
1062	490229.3	3859915	3.34E-03	3.60E-03	5.67E-03	1.15E-06	3.49E-06	2.02E-06	2.18E-06	1.97E-06	9.00E-07	1.42E-06	0.00E+00	0.00E+00	3.71E-07	7.39E-08	4.69E-07	7.23E-08	1.10E-07	1.10E-06
1063	490279.3	3859915	3.33E-03	3.59E-03	5.66E-03	1.15E-06	3.48E-06	2.02E-06	2.17E-06	1.97E-06	8.99E-07	1.42E-06	0.00E+00	0.00E+00	3.71E-07	7.38E-08	4.68E-07	7.22E-08	1.10E-07	1.10E-06
1064	490329.3	3859915	3.33E-03	3.60E-03	5.66E-03	1.15E-06	3.49E-06	2.02E-06	2.18E-06	1.97E-06	9.00E-07	1.42E-06	0.00E+00	0.00E+00	3.71E-07	7.38E-08	4.69E-07	7.23E-08	1.10E-07	1.10E-06
1065	490379.3	3859915	3.34E-03	3.60E-03	5.67E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.01E-07	1.42E-06	0.00E+00	0.00E+00	3.72E-07	7.40E-08	4.69E-07	7.24E-08	1.10E-07	1.10E-06
1066	490429.3	3859915	3.35E-03	3.61E-03	5.68E-03	1.16E-06	3.50E-06	2.02E-06	2.18E-06	1.98E-06	9.03E-07	1.42E-06	0.00E+00	0.00E+00	3.72E-07	7.41E-08	4.70E-07	7.25E-08	1.10E-07	1.10E-06
1067	490451.4	3859873	3.47E-03	3.74E-03	5.89E-03	1.20E-06	3.63E-06	2.10E-06	2.26E-06	2.05E-06	9.36E-07	1.47E-06	0.00E+00	0.00E+00	3.86E-07	7.68E-08	4.88E-07	7.52E-08	1.14E-07	1.14E-06
1068	490501.4	3859873	3.49E-03	3.76E-03	5.92E-03	1.21E-06	3.65E-06	2.11E-06	2.28E-06	2.06E-06	9.41E-07	1.48E-06	0.00E+00	0.00E+00	3.88E-07	7.72E-08	4.90E-07	7.56E-08	1.15E-07	1.15E-06
1069	490551.4	3859873	3.51E-03	3.79E-03	5.96E-03	1.22E-06	3.67E-06	2.12E-06	2.29E-06	2.08E-06	9.47E-07	1.49E-06	0.00E+00	0.00E+00	3.91E-07	7.77E-08	4.93E-07	7.61E-08	1.16E-07	1.15E-06
1070	490601.4	3859873	3.53E-03	3.81E-03	6.00E-03	1.22E-06	3.69E-06	2.14E-06	2.31E-06	2.09E-06	9.53E-07	1.50E-06	0.00E+00	0.00E+00	3.93E-07	7.82E-08	4.96E-07	7.66E-08	1.16E-07	1.16E-06
1071	490451.4	3859923	3.33E-03	3.59E-03	5.66E-03	1.15E-06	3.48E-06	2.02E-06	2.17E-06	1.97E-06	8.99E-07	1.42E-06	0.00E+00	0.00E+00	3.71E-07	7.38E-08	4.68E-07	7.22E-08	1.10E-07	1.09E-06
1072	490501.4	3859923	3.34E-03	3.60E-03	5.68E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.02E-07	1.42E-06	0.00E+00	0.00E+00	3.72E-07	7.40E-08	4.70E-07	7.24E-08	1.10E-07	1.10E-06
1073	490551.4	3859923	3.36E-03	3.62E-03	5.71E-03	1.16E-06	3.51E-06	2.03E-06	2.19E-06	1.99E-06	9.07E-07	1.43E-06	0.00E+00	0.00E+00	3.74E-07	7.44E-08	4.72E-07	7.28E-08	1.11E-07	1.10E-06
1074	490601.4	3859923	3.38E-03	3.65E-03	5.75E-03	1.17E-06	3.54E-06	2.05E-06	2.21E-06	2.00E-06	9.13E-07	1.44E-06	0.00E+00	0.00E+00	3.77E-07	7.49E-08	4.75E-07	7.33E-08	1.11E-07	1.11E-06
1075	482129.7	3852241	1.45E-03	1.56E-03	2.43E-03	5.01E-07	1.51E-06	8.76E-07	9.43E-07	8.55E-07	3.90E-07	6.08E-07	0.00E+00	0.00E+00	1.61E-07	3.20E-08	2.03E-07	3.13E-08	4.71E-08	4.75E-07
1076	482029.7	3852291	1.55E-03	1.67E-03	2.61E-03	5.37E-07	1.62E-06	9.38E-07	1.01E-06	9.16E-07	4.18E-07	6.53E-07	0.00E+00	0.00E+00	1.73E-07	3.43E-08	2.18E-07	3.36E-08	5.06E-08	5.09E-07

1077	482079.7	3852291	1.53E-03	1.65E-03	2.58E-03	5.30E-07	1.60E-06	9.27E-07	9.98E-07	9.05E-07	4.13E-07	6.45E-07	0.00E+00	0.00E+00	1.71E-07	3.39E-08	2.15E-07	3.32E-08	4.99E-08	5.02E-07
1078	482129.7	3852291	1.51E-03	1.63E-03	2.54E-03	5.23E-07	1.58E-06	9.15E-07	9.85E-07	8.93E-07	4.07E-07	6.36E-07	0.00E+00	0.00E+00	1.68E-07	3.34E-08	2.12E-07	3.27E-08	4.93E-08	4.96E-07
1079	482179.7	3852291	1.48E-03	1.59E-03	2.48E-03	5.11E-07	1.54E-06	8.93E-07	9.62E-07	8.72E-07	3.98E-07	6.20E-07	0.00E+00	0.00E+00	1.64E-07	3.26E-08	2.07E-07	3.19E-08	4.80E-08	4.84E-07
1080	482229.7	3852291	1.44E-03	1.55E-03	2.42E-03	4.99E-07	1.51E-06	8.73E-07	9.40E-07	8.52E-07	3.89E-07	6.07E-07	0.00E+00	0.00E+00	1.61E-07	3.19E-08	2.02E-07	3.12E-08	4.70E-08	4.73E-07
1081	482029.7	3852341	1.61E-03	1.73E-03	2.70E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.49E-07	4.33E-07	6.76E-07	0.00E+00	0.00E+00	1.79E-07	3.55E-08	2.25E-07	3.48E-08	5.24E-08	5.27E-07
1082	482079.7	3852341	1.59E-03	1.71E-03	2.67E-03	5.49E-07	1.66E-06	9.60E-07	1.03E-06	9.38E-07	4.28E-07	6.68E-07	0.00E+00	0.00E+00	1.77E-07	3.51E-08	2.23E-07	3.44E-08	5.17E-08	5.21E-07
1083	482129.7	3852341	1.57E-03	1.69E-03	2.64E-03	5.43E-07	1.64E-06	9.49E-07	1.02E-06	9.26E-07	4.23E-07	6.60E-07	0.00E+00	0.00E+00	1.75E-07	3.47E-08	2.20E-07	3.39E-08	5.11E-08	5.14E-07
1084	482179.7	3852341	1.55E-03	1.67E-03	2.60E-03	5.35E-07	1.62E-06	9.36E-07	1.01E-06	9.13E-07	4.17E-07	6.50E-07	0.00E+00	0.00E+00	1.72E-07	3.42E-08	2.17E-07	3.35E-08	5.04E-08	5.07E-07
1085	482259.1	3852400	1.59E-03	1.72E-03	2.67E-03	5.52E-07	1.67E-06	9.64E-07	1.04E-06	9.41E-07	4.29E-07	6.68E-07	0.00E+00	0.00E+00	1.77E-07	3.52E-08	2.24E-07	3.45E-08	5.18E-08	5.22E-07
1086	482309.1	3852400	1.55E-03	1.67E-03	2.61E-03	5.38E-07	1.63E-06	9.41E-07	1.01E-06	9.18E-07	4.19E-07	6.52E-07	0.00E+00	0.00E+00	1.73E-07	3.44E-08	2.18E-07	3.36E-08	5.05E-08	5.10E-07
1087	482209.1	3852450	1.67E-03	1.80E-03	2.80E-03	5.78E-07	1.75E-06	1.01E-06	1.09E-06	9.86E-07	4.50E-07	7.01E-07	0.00E+00	0.00E+00	1.86E-07	3.69E-08	2.34E-07	3.61E-08	5.43E-08	5.47E-07
1088	482259.1	3852450	1.65E-03	1.78E-03	2.77E-03	5.72E-07	1.73E-06	9.99E-07	1.08E-06	9.75E-07	4.45E-07	6.93E-07	0.00E+00	0.00E+00	1.84E-07	3.65E-08	2.32E-07	3.57E-08	5.36E-08	5.41E-07
1089	482309.1	3852450	1.63E-03	1.75E-03	2.73E-03	5.64E-07	1.70E-06	9.86E-07	1.06E-06	9.62E-07	4.39E-07	6.84E-07	0.00E+00	0.00E+00	1.81E-07	3.60E-08	2.29E-07	3.52E-08	5.29E-08	5.34E-07
1090	482209.1	3852500	1.73E-03	1.86E-03	2.90E-03	5.99E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.66E-07	7.27E-07	0.00E+00	0.00E+00	1.93E-07	3.83E-08	2.43E-07	3.74E-08	5.63E-08	5.67E-07
1091	482259.1	3852500	1.71E-03	1.84E-03	2.87E-03	5.92E-07	1.79E-06	1.04E-06	1.11E-06	1.01E-06	4.61E-07	7.18E-07	0.00E+00	0.00E+00	1.90E-07	3.78E-08	2.40E-07	3.70E-08	5.56E-08	5.61E-07
1092	482309.1	3852500	1.69E-03	1.82E-03	2.84E-03	5.85E-07	1.77E-06	1.02E-06	1.10E-06	9.99E-07	4.56E-07	7.10E-07	0.00E+00	0.00E+00	1.88E-07	3.74E-08	2.37E-07	3.66E-08	5.49E-08	5.54E-07
1093	482283.9	3852514	1.72E-03	1.85E-03	2.88E-03	5.95E-07	1.80E-06	1.04E-06	1.12E-06	1.01E-06	4.63E-07	7.21E-07	0.00E+00	0.00E+00	1.91E-07	3.80E-08	2.41E-07	3.72E-08	5.58E-08	5.63E-07
1094	482333.9	3852514	1.70E-03	1.83E-03	2.85E-03	5.89E-07	1.78E-06	1.03E-06	1.11E-06	1.00E-06	4.58E-07	7.13E-07	0.00E+00	0.00E+00	1.89E-07	3.76E-08	2.39E-07	3.68E-08	5.52E-08	5.57E-07
1095	482283.9	3852564	1.78E-03	1.92E-03	2.99E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.80E-07	7.48E-07	0.00E+00	0.00E+00	1.98E-07	3.94E-08	2.50E-07	3.86E-08	5.79E-08	5.84E-07
1096	482333.9	3852564	1.77E-03	1.90E-03	2.96E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.40E-07	0.00E+00	0.00E+00	1.97E-07	3.90E-08	2.48E-07	3.82E-08	5.73E-08	5.79E-07
1097	482383.9	3852564	1.75E-03	1.88E-03	2.93E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.03E-06	4.72E-07	7.34E-07	0.00E+00	0.00E+00	1.95E-07	3.87E-08	2.46E-07	3.79E-08	5.68E-08	5.74E-07
1098	482283.9	3852614	1.85E-03	1.99E-03	3.10E-03	6.40E-07	1.93E-06	1.12E-06	1.20E-06	1.09E-06	4.98E-07	7.76E-07	0.00E+00	0.00E+00	2.06E-07	4.09E-08	2.60E-07	4.00E-08	6.01E-08	6.06E-07
1099	482333.9	3852614	1.83E-03	1.97E-03	3.07E-03	6.34E-07	1.91E-06	1.11E-06	1.19E-06	1.08E-06	4.93E-07	7.68E-07	0.00E+00	0.00E+00	2.04E-07	4.05E-08	2.57E-07	3.96E-08	5.95E-08	6.00E-07
1100	482383.9	3852614	1.82E-03	1.96E-03	3.04E-03	6.29E-07	1.90E-06	1.10E-06	1.18E-06	1.07E-06	4.89E-07	7.61E-07	0.00E+00	0.00E+00	2.02E-07	4.02E-08	2.55E-07	3.93E-08	5.89E-08	5.95E-07
1101	482602.4	3852601	1.72E-03	1.86E-03	2.89E-03	5.97E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.65E-07	7.24E-07	0.00E+00	0.00E+00	1.92E-07	3.81E-08	2.42E-07	3.73E-08	5.60E-08	5.65E-07
1102	482652.4	3852601	1.71E-03	1.84E-03	2.87E-03	5.92E-07	1.79E-06	1.04E-06	1.11E-06	1.01E-06	4.61E-07	7.19E-07	0.00E+00	0.00E+00	1.90E-07	3.78E-08	2.40E-07	3.70E-08	5.57E-08	5.61E-07
1103	482702.4	3852601	1.67E-03	1.80E-03	2.81E-03	5.77E-07	1.74E-06	1.01E-06	1.09E-06	9.85E-07	4.50E-07	7.02E-07	0.00E+00	0.00E+00	1.86E-07	3.69E-08	2.34E-07	3.61E-08	5.44E-08	5.47E-07
1104	482552.4	3852651	1.83E-03	1.97E-03	3.06E-03	6.33E-07	1.91E-06	1.11E-06	1.19E-06	1.08E-06	4.93E-07	7.67E-07	0.00E+00	0.00E+00	2.04E-07	4.04E-08	2.57E-07	3.96E-08	5.94E-08	5.99E-07
1105	482602.4	3852651	1.81E-03	1.94E-03	3.02E-03	6.25E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.87E-07	7.57E-07	0.00E+00	0.00E+00	2.01E-07	3.99E-08	2.53E-07	3.91E-08	5.86E-08	5.92E-07
1106	482652.4	3852651	1.80E-03	1.93E-03	3.01E-03	6.22E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.84E-07	7.53E-07	0.00E+00	0.00E+00	2.00E-07	3.97E-08	2.52E-07	3.89E-08	5.83E-08	5.89E-07
1107	482702.4	3852651	1.78E-03	1.92E-03	2.99E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.80E-07	7.48E-07	0.00E+00	0.00E+00	1.98E-07	3.94E-08	2.50E-07	3.86E-08	5.79E-08	5.84E-07
1108	482552.4	3852701	1.90E-03	2.05E-03	3.18E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	7.96E-07	0.00E+00	0.00E+00	2.12E-07	4.20E-08	2.67E-07	4.11E-08	6.16E-08	6.23E-07
1109	482602.4	3852701	1.90E-03	2.04E-03	3.17E-03	6.56E-07	1.98E-06	1.15E-06	1.23E-06	1.12E-06	5.11E-07	7.94E-07	0.00E+00	0.00E+00	2.11E-07	4.19E-08	2.66E-07	4.10E-08	6.15E-08	6.22E-07
1110	482652.4	3852701	1.90E-03	2.04E-03	3.17E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.11E-07	7.94E-07	0.00E+00	0.00E+00	2.11E-07	4.19E-08	2.66E-07	4.10E-08	6.15E-08	6.22E-07
1111	482702.4	3852701	1.89E-03	2.03E-03	3.16E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.11E-06	5.08E-07	7.90E-07	0.00E+00	0.00E+00	2.10E-07	4.17E-08	2.64E-07	4.08E-08	6.12E-08	6.18E-07
1112	482452.4	3852751	1.99E-03	2.15E-03	3.34E-03	6.90E-07	2.08E-06	1.21E-06	1.30E-06	1.18E-06	5.37E-07	8.35E-07	0.00E+00	0.00E+00	2.22E-07	4.41E-08	2.80E-07	4.31E-08	6.47E-08	6.53E-07
1113	482521.3	3852750	1.98E-03	2.13E-03	3.31E-03	6.85E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.33E-07	8.29E-07	0.00E+00	0.00E+00	2.20E-07	4.37E-08	2.78E-07	4.28E-08	6.42E-08	6.49E-07
1114	482571.3	3852750	1.97E-03	2.12E-03	3.30E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.26E-07	0.00E+00	0.00E+00	2.20E-07	4.36E-08	2.77E-07	4.27E-08	6.40E-08	6.47E-07
1115	482521.3	3852800	2.06E-03	2.21E-03	3.44E-03	7.12E-07	2.15E-06	1.24E-06	1.34E-06	1.21E-06	5.54E-07	8.61E-07	0.00E+00	0.00E+00	2.29E-07	4.54E-08	2.88E-07	4.45E-08	6.66E-08	6.74E-07
1116	482571.3	3852800	2.05E-03	2.21E-03	3.43E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.21E-06	5.53E-07	8.59E-07	0.00E+00	0.00E+00	2.28E-07	4.54E-08	2.88E-07	4.44E-08	6.65E-08	6.73E-07
1117	482621.3	3852800	2.05E-03	2.21E-03	3.43E-03	7.10E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.52E-07	8.58E-07	0.00E+00	0.00E+00	2.28E-07	4.53E-08	2.88E-07	4.44E-08	6.64E-08	6.72E-07
1118	482571.3	3852850	2.13E-03	2.30E-03	3.57E-03	7.39E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	8.93E-07	0.00E+00	0.00E+00	2.38E-07	4.72E-08	2.99E-07	4.61E-08	6.91E-08	6.99E-07
1119	482621.3	3852850	2.13E-03	2.30E-03	3.57E-03	7.38E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.74E-07	8.92E-07	0.00E+00	0.00E+00	2.37E-07	4.71E-08	2.99E-07	4.61E-08	6.91E-08	6.99E-07
1120	482577.4	3852902	2.22E-03	2.39E-03	3.72E-03	7.70E-07	2.33E-06	1.35E-06	1.45E-06	1.31E-06	5.99E-07	9.31E-07	0.00E+00	0.00E+00	2.48E-07	4.92E-08	3.12E-07	4.81E-08	7.21E-08	7.29E-07
1121	482627.4	3852902	2.22E-03	2.39E-03	3.72E-03	7.70E-07	2.33E-06	1.35E-06	1.45E-06	1.31E-06	5.99E-07	9.30E-07	0.00E+00	0.00E+00	2.48E-07	4.92E-08	3.12E-07	4.81E-08	7.20E-08	7.29E-07
1122	482630	3852956	2.33E-03	2.51E-03	3.89E-03	8.06E-07	2.43E-06	1.41E-06	1.52E-06	1.37E-06	6.27E-07	9.73E-07	0.00E+00	0.00E+00	2.59E-07	5.15E-08	3.26E-07	5.03E-08	7.54E-08	7.63E-07
1123	482680	3852956	2.33E-03	2.51E-03	3.89E-03	8.06E-07	2.43E-06	1.41E-06	1.52E-06	1.37E-06	6.27E-07	9.73E-07	0.00E+00	0.00E+00	2.59E-07	5.15E-08	3.27E-07	5.04E-08	7.54E-08	7.63E-07
1124	482781.6	3853034	2.48E-03	2.67E-03	4.14E-03	8.58E-07	2.59E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.04E-06	0.00E+00	0.00E+00	2.76E-07	5.48E-08	3.48E-07	5.36E-08	8.02E-08	8.12E-07
1125	482831.6	3853034	2.45E-03	2.63E-03	4.09E-03	8.47E-07	2.56E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.02E-06	0.00E+00	0.00E+00	2.72E-07	5.41E-08	3.43E-07	5.29E-08	7.92E-08	8.02E-07
1126	482881.6	3853034	2.41E-03	2.60E-03	4.03E-03	8.35E-07	2.52E-06	1.46E-06	1.57E-06	1.42E-06	6.49E-07	1.01E-06	0.00E+00	0.00E+00	2.68E-07	5.33E-08	3.38E-07	5.22E-08	7.81E-08	7.90E-07
1127	482781.6	3853084	2.61E-03	2.81E-03	4.35E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.54E-06	7.02E-07	1.09E-06	0.00E+00	0.00E+00	2.90E-07	5.76E-08	3.66E-07	5.64E-08	8.42E-08	8.54E-07
1128	482831.6	3853084	2.58E-03	2.77E-03	4.29E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.93E-07	1.07E-06	0.00E+00	0.00E+00	2.87E-07	5.69E-08	3.61E-07	5.57E-08	8.32E-08	8.44E-07
1129	482881.6	3853084	2.54E-03	2.73E-03	4.23E-03	8.78E-07	2.65E-06	1.54E-06	1.65E-06	1.50E-06	6.83E-07	1.06E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.20E-08	8.31E-07
1130	482781.6	3853134	2.75E-03	2.96E-03	4.58E-03	9.53E-07	2.88E-06	1.67E-06	1.79E-06	1.62E-06	7.41E-07	1.15E-06	0.00E+00	0.00E+00	3.06E-07	6.08E-08	3.86E-07	5.95E-08	8.87E-08	9.01E-07
1131	482831.6	3853134	2.72E-03	2.93E-03	4.53E-03	9.41E-07	2.84E-06	1.65E-06	1.77E-06	1.60E-06	7.32E-07	1.13E-06	0.00E+00	0.00E+00	3.03E-07	6.01E-08	3.81E-07	5.88E-08	8.77E-08	8.91E-07
1132	482881.6	3853134	2.68E-03	2.88E-03	4.46E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.12E-06	0.00E+00	0.00E+00	2.98E-07	5.92E-08	3.76E-07	5.80E-08	8.65E-08	8.78E-07
1133	482831.6	3853184	2.88E-03	3.10E-03	4.78E-03	9.97E-07	3.01E-06	1.74E-06	1.87E-06	1.70E-06	7.75E-07	1.20E-06	0.00E+00	0.00E+00	3.21E-07	6.36E-08	4.04E-07	6.23E-08	9.27E-08	9.43E-07

1134	482881.6	3853184	2.84E-03	3.05E-03	4.72E-03	9.83E-07	2.97E-06	1.72E-06	1.85E-06	1.68E-06	7.64E-07	1.18E-06	0.00E+00	0.00E+00	3.16E-07	6.27E-08	3.98E-07	6.14E-08	9.14E-08	9.30E-07
1135	484154.8	3854251	9.56E-03	1.04E-02	1.71E-02	3.31E-06	9.99E-06	5.79E-06	6.28E-06	5.69E-06	2.60E-06	4.28E-06	0.00E+00	0.00E+00	1.06E-06	2.13E-07	1.35E-06	2.09E-07	3.32E-07	3.17E-06
1136	484204.8	3854251	9.29E-03	1.01E-02	1.66E-02	3.22E-06	9.71E-06	5.62E-06	6.10E-06	5.53E-06	2.52E-06	4.15E-06	0.00E+00	0.00E+00	1.03E-06	2.07E-07	1.31E-06	2.03E-07	3.22E-07	3.08E-06
1137	484154.8	3854301	9.91E-03	1.08E-02	1.77E-02	3.43E-06	1.04E-05	6.00E-06	6.51E-06	5.90E-06	2.69E-06	4.43E-06	0.00E+00	0.00E+00	1.10E-06	2.21E-07	1.40E-06	2.16E-07	3.43E-07	3.29E-06
1138	484204.8	3854301	9.75E-03	1.06E-02	1.74E-02	3.38E-06	1.02E-05	5.90E-06	6.40E-06	5.80E-06	2.65E-06	4.35E-06	0.00E+00	0.00E+00	1.09E-06	2.17E-07	1.38E-06	2.13E-07	3.37E-07	3.23E-06
1139	484074.2	3854520	1.47E-02	1.59E-02	2.58E-02	5.09E-06	1.54E-05	8.90E-06	9.63E-06	8.73E-06	3.98E-06	6.47E-06	0.00E+00	0.00E+00	1.64E-06	3.27E-07	2.07E-06	3.20E-07	5.01E-07	4.86E-06
1140	484124.2	3854520	1.40E-02	1.51E-02	2.45E-02	4.83E-06	1.46E-05	8.45E-06	9.15E-06	8.29E-06	3.78E-06	6.14E-06	0.00E+00	0.00E+00	1.55E-06	3.10E-07	1.97E-06	3.04E-07	4.75E-07	4.61E-06
1141	484074.2	3854570	1.63E-02	1.76E-02	2.84E-02	5.64E-06	1.70E-05	9.86E-06	1.07E-05	9.67E-06	4.41E-06	7.11E-06	0.00E+00	0.00E+00	1.81E-06	3.62E-07	2.30E-06	3.54E-07	5.51E-07	5.38E-06
1142	484124.2	3854570	1.53E-02	1.65E-02	2.67E-02	5.29E-06	1.60E-05	9.25E-06	1.00E-05	9.07E-06	4.14E-06	6.67E-06	0.00E+00	0.00E+00	1.70E-06	3.40E-07	2.16E-06	3.32E-07	5.17E-07	5.05E-06
1143	485205.1	3855189	2.66E-02	2.86E-02	4.46E-02	9.21E-06	2.78E-05	1.61E-05	1.73E-05	1.57E-05	7.17E-06	1.12E-05	0.00E+00	0.00E+00	2.96E-06	5.88E-07	3.73E-06	5.76E-07	8.65E-07	8.72E-06
1144	485255.1	3855189	2.51E-02	2.70E-02	4.22E-02	8.69E-06	2.62E-05	1.52E-05	1.64E-05	1.48E-05	6.77E-06	1.05E-05	0.00E+00	0.00E+00	2.80E-06	5.55E-07	3.52E-06	5.43E-07	8.17E-07	8.23E-06
1145	485205.1	3855239	2.77E-02	2.98E-02	4.64E-02	9.59E-06	2.89E-05	1.68E-05	1.80E-05	1.64E-05	7.46E-06	1.16E-05	0.00E+00	0.00E+00	3.08E-06	6.12E-07	3.89E-06	5.99E-07	9.00E-07	9.08E-06
1146	485255.1	3855239	2.67E-02	2.88E-02	4.49E-02	9.25E-06	2.79E-05	1.62E-05	1.74E-05	1.58E-05	7.20E-06	1.12E-05	0.00E+00	0.00E+00	2.98E-06	5.91E-07	3.75E-06	5.78E-07	8.69E-07	8.76E-06
1147	485205.1	3855289	3.10E-02	3.33E-02	5.19E-02	1.07E-05	3.24E-05	1.87E-05	2.02E-05	1.83E-05	8.34E-06	1.30E-05	0.00E+00	0.00E+00	3.45E-06	6.84E-07	4.34E-06	6.70E-07	1.01E-06	1.02E-05
1148	485255.1	3855289	2.94E-02	3.17E-02	4.94E-02	1.02E-05	3.07E-05	1.78E-05	1.92E-05	1.74E-05	7.93E-06	1.24E-05	0.00E+00	0.00E+00	3.27E-06	6.50E-07	4.13E-06	6.36E-07	9.57E-07	9.65E-06
1149	485255.1	3855339	3.24E-02	3.49E-02	5.45E-02	1.12E-05	3.39E-05	1.96E-05	2.11E-05	1.91E-05	8.73E-06	1.36E-05	0.00E+00	0.00E+00	3.61E-06	7.17E-07	4.55E-06	7.01E-07	1.06E-06	1.06E-05
1150	485305.1	3855339	3.06E-02	3.30E-02	5.15E-02	1.06E-05	3.20E-05	1.85E-05	2.00E-05	1.81E-05	8.26E-06	1.29E-05	0.00E+00	0.00E+00	3.41E-06	6.78E-07	4.30E-06	6.63E-07	9.98E-07	1.00E-05
1151	485852.5	3855635	2.95E-02	3.18E-02	5.02E-02	1.02E-05	3.08E-05	1.78E-05	1.92E-05	1.74E-05	7.96E-06	1.26E-05	0.00E+00	0.00E+00	3.28E-06	6.53E-07	4.15E-06	6.39E-07	9.73E-07	9.69E-06
1152	485902.5	3855635	2.81E-02	3.03E-02	4.78E-02	9.72E-06	2.94E-05	1.70E-05	1.83E-05	1.66E-05	7.58E-06	1.20E-05	0.00E+00	0.00E+00	3.13E-06	6.22E-07	3.95E-06	6.09E-07	9.26E-07	9.23E-06
1153	485852.5	3855685	3.10E-02	3.35E-02	5.29E-02	1.07E-05	3.24E-05	1.88E-05	2.03E-05	1.84E-05	8.38E-06	1.32E-05	0.00E+00	0.00E+00	3.45E-06	6.87E-07	4.36E-06	6.73E-07	1.02E-06	1.02E-05
1154	485902.5	3855685	2.95E-02	3.18E-02	5.03E-02	1.02E-05	3.08E-05	1.79E-05	1.93E-05	1.75E-05	7.97E-06	1.26E-05	0.00E+00	0.00E+00	3.28E-06	6.54E-07	4.15E-06	6.40E-07	9.74E-07	9.70E-06
1155	485852.5	3855735	3.27E-02	3.53E-02	5.58E-02	1.13E-05	3.42E-05	1.98E-05	2.13E-05	1.93E-05	8.83E-06	1.40E-05	0.00E+00	0.00E+00	3.64E-06	7.24E-07	4.60E-06	7.09E-07	1.08E-06	1.07E-05
1156	485902.5	3855735	3.13E-02	3.38E-02	5.34E-02	1.08E-05	3.27E-05	1.89E-05	2.04E-05	1.85E-05	8.45E-06	1.34E-05	0.00E+00	0.00E+00	3.48E-06	6.94E-07	4.40E-06	6.79E-07	1.03E-06	1.03E-05
1157	485852.5	3855785	3.48E-02	3.76E-02	5.95E-02	1.21E-05	3.64E-05	2.11E-05	2.27E-05	2.06E-05	9.40E-06	1.49E-05	0.00E+00	0.00E+00	3.88E-06	7.72E-07	4.90E-06	7.55E-07	1.15E-06	1.15E-05
1158	485902.5	3855785	3.28E-02	3.54E-02	5.61E-02	1.14E-05	3.43E-05	1.99E-05	2.14E-05	1.94E-05	8.87E-06	1.40E-05	0.00E+00	0.00E+00	3.65E-06	7.28E-07	4.62E-06	7.12E-07	1.09E-06	1.08E-05
1159	486809.5	3856465	3.30E-02	3.57E-02	5.70E-02	1.14E-05	3.45E-05	2.00E-05	2.16E-05	1.96E-05	8.93E-06	1.43E-05	0.00E+00	0.00E+00	3.68E-06	7.33E-07	4.65E-06	7.17E-07	1.11E-06	1.09E-05
1160	486859.5	3856465	3.24E-02	3.50E-02	5.59E-02	1.12E-05	3.38E-05	1.96E-05	2.11E-05	1.92E-05	8.75E-06	1.40E-05	0.00E+00	0.00E+00	3.60E-06	7.18E-07	4.56E-06	7.02E-07	1.08E-06	1.07E-05
1161	486909.5	3856465	3.16E-02	3.42E-02	5.46E-02	1.09E-05	3.30E-05	1.91E-05	2.07E-05	1.87E-05	8.55E-06	1.37E-05	0.00E+00	0.00E+00	3.52E-06	7.01E-07	4.45E-06	6.86E-07	1.06E-06	1.04E-05
1162	486809.5	3856515	3.46E-02	3.74E-02	5.98E-02	1.20E-05	3.62E-05	2.09E-05	2.26E-05	2.05E-05	9.35E-06	1.50E-05	0.00E+00	0.00E+00	3.85E-06	7.68E-07	4.87E-06	7.51E-07	1.16E-06	1.14E-05
1163	486859.5	3856515	3.40E-02	3.67E-02	5.87E-02	1.18E-05	3.55E-05	2.05E-05	2.22E-05	2.01E-05	9.18E-06	1.47E-05	0.00E+00	0.00E+00	3.78E-06	7.54E-07	4.78E-06	7.37E-07	1.14E-06	1.12E-05
1164	486909.5	3856515	3.32E-02	3.59E-02	5.74E-02	1.15E-05	3.47E-05	2.01E-05	2.17E-05	1.97E-05	8.98E-06	1.44E-05	0.00E+00	0.00E+00	3.70E-06	7.37E-07	4.68E-06	7.21E-07	1.11E-06	1.09E-05
1165	486980.9	3856358	2.81E-02	3.03E-02	4.84E-02	9.72E-06	2.93E-05	1.70E-05	1.83E-05	1.66E-05	7.59E-06	1.21E-05	0.00E+00	0.00E+00	3.12E-06	6.23E-07	3.95E-06	6.09E-07	9.38E-07	9.25E-06
1166	487030.9	3856358	2.76E-02	2.98E-02	4.75E-02	9.54E-06	2.88E-05	1.67E-05	1.80E-05	1.63E-05	7.45E-06	1.19E-05	0.00E+00	0.00E+00	3.07E-06	6.11E-07	3.88E-06	5.98E-07	9.21E-07	9.08E-06
1167	486980.9	3856408	2.93E-02	3.17E-02	5.06E-02	1.01E-05	3.06E-05	1.77E-05	1.92E-05	1.74E-05	7.93E-06	1.27E-05	0.00E+00	0.00E+00	3.26E-06	6.51E-07	4.13E-06	6.37E-07	9.80E-07	9.66E-06
1168	487030.9	3856408	2.87E-02	3.10E-02	4.96E-02	9.95E-06	3.00E-05	1.74E-05	1.88E-05	1.70E-05	7.77E-06	1.24E-05	0.00E+00	0.00E+00	3.20E-06	6.38E-07	4.05E-06	6.24E-07	9.61E-07	9.47E-06
1169	487447.2	3856437	2.54E-02	2.74E-02	4.38E-02	8.79E-06	2.65E-05	1.54E-05	1.66E-05	1.50E-05	6.86E-06	1.10E-05	0.00E+00	0.00E+00	2.83E-06	5.63E-07	3.57E-06	5.51E-07	8.48E-07	8.36E-06
1170	487497.2	3856437	2.50E-02	2.70E-02	4.31E-02	8.65E-06	2.61E-05	1.51E-05	1.63E-05	1.48E-05	6.75E-06	1.08E-05	0.00E+00	0.00E+00	2.78E-06	5.54E-07	3.52E-06	5.42E-07	8.35E-07	8.23E-06
1171	487547.2	3856437	2.46E-02	2.66E-02	4.24E-02	8.52E-06	2.57E-05	1.49E-05	1.61E-05	1.46E-05	6.65E-06	1.06E-05	0.00E+00	0.00E+00	2.74E-06	5.46E-07	3.46E-06	5.34E-07	8.22E-07	8.10E-06
1172	487447.2	3856487	2.63E-02	2.84E-02	4.54E-02	9.11E-06	2.75E-05	1.59E-05	1.72E-05	1.56E-05	7.12E-06	1.14E-05	0.00E+00	0.00E+00	2.93E-06	5.84E-07	3.71E-06	5.71E-07	8.80E-07	8.67E-06
1173	487497.2	3856487	2.59E-02	2.79E-02	4.46E-02	8.95E-06	2.70E-05	1.56E-05	1.69E-05	1.53E-05	6.99E-06	1.12E-05	0.00E+00	0.00E+00	2.88E-06	5.74E-07	3.64E-06	5.62E-07	8.65E-07	8.52E-06
1174	487547.2	3856487	2.55E-02	2.75E-02	4.39E-02	8.81E-06	2.66E-05	1.54E-05	1.66E-05	1.51E-05	6.88E-06	1.10E-05	0.00E+00	0.00E+00	2.83E-06	5.65E-07	3.58E-06	5.53E-07	8.51E-07	8.39E-06
1175	487447.2	3856537	2.73E-02	2.95E-02	4.71E-02	9.45E-06	2.85E-05	1.65E-05	1.78E-05	1.62E-05	7.38E-06	1.18E-05	0.00E+00	0.00E+00	3.04E-06	6.05E-07	3.84E-06	5.92E-07	9.12E-07	8.99E-06
1176	487497.2	3856537	2.68E-02	2.89E-02	4.62E-02	9.27E-06	2.80E-05	1.62E-05	1.75E-05	1.59E-05	7.24E-06	1.16E-05	0.00E+00	0.00E+00	2.98E-06	5.94E-07	3.77E-06	5.82E-07	8.96E-07	8.82E-06
1177	487547.2	3856537	2.64E-02	2.85E-02	4.55E-02	9.13E-06	2.76E-05	1.60E-05	1.72E-05	1.56E-05	7.13E-06	1.14E-05	0.00E+00	0.00E+00	2.94E-06	5.85E-07	3.71E-06	5.73E-07	8.82E-07	8.69E-06
1178	489285.9	3858827	1.20E-02	1.29E-02	1.91E-02	4.16E-06	1.26E-05	7.28E-06	7.78E-06	7.05E-06	3.22E-06	4.77E-06	0.00E+00	0.00E+00	1.34E-06	2.64E-07	1.68E-06	2.58E-07	3.70E-07	3.91E-06
1179	489335.9	3858827	1.17E-02	1.25E-02	1.87E-02	4.06E-06	1.22E-05	7.09E-06	7.59E-06	6.88E-06	3.14E-06	4.69E-06	0.00E+00	0.00E+00	1.30E-06	2.58E-07	1.63E-06	2.52E-07	3.63E-07	3.81E-06
1180	489385.9	3858827	1.14E-02	1.23E-02	1.84E-02	3.96E-06	1.20E-05	6.93E-06	7.42E-06	6.73E-06	3.07E-06	4.61E-06	0.00E+00	0.00E+00	1.27E-06	2.52E-07	1.60E-06	2.46E-07	3.57E-07	3.73E-06
1181	489435.9	3858827	1.12E-02	1.20E-02	1.81E-02	3.88E-06	1.17E-05	6.78E-06	7.27E-06	6.59E-06	3.01E-06	4.54E-06	0.00E+00	0.00E+00	1.25E-06	2.47E-07	1.56E-06	2.41E-07	3.51E-07	3.65E-06
1182	489485.9	3858827	1.10E-02	1.18E-02	1.79E-02	3.80E-06	1.15E-05	6.64E-06	7.13E-06	6.46E-06	2.95E-06	4.47E-06	0.00E+00	0.00E+00	1.22E-06	2.42E-07	1.53E-06	2.37E-07	3.46E-07	3.58E-06
1183	489535.9	3858827	1.08E-02	1.16E-02	1.76E-02	3.73E-06	1.13E-05	6.52E-06	7.00E-06	6.34E-06	2.89E-06	4.41E-06	0.00E+00	0.00E+00	1.20E-06	2.38E-07	1.51E-06	2.32E-07	3.41E-07	3.52E-06
1184	489585.9	3858827	1.06E-02	1.14E-02	1.74E-02	3.67E-06	1.11E-05	6.41E-06	6.88E-06	6.24E-06	2.85E-06	4.35E-06	0.00E+00	0.00E+00	1.18E-06	2.34E-07	1.48E-06	2.28E-07	3.37E-07	3.46E-06
1185	489635.9	3858827	1.04E-02	1.12E-02	1.72E-02	3.61E-06	1.09E-05	6.30E-06	6.77E-06	6.14E-06	2.80E-06	4.29E-06	0.00E+00	0.00E+00	1.16E-06	2.30E-07	1.46E-06	2.25E-07	3.32E-07	3.40E-06
1186	489685.9	3858827	1.02E-02	1.10E-02	1.69E-02	3.55E-06	1.07E-05	6.20E-06	6.66E-06	6.04E-06	2.76E-06	4.24E-06	0.00E+00	0.00E+00	1.14E-06	2.26E-07	1.44E-06	2.21E-07	3.28E-07	3.35E-06
1187	489735.9	3858827	1.01E-02	1.09E-02	1.67E-02	3.49E-06	1.06E-05	6.11E-06	6.57E-06	5.95E-06	2.72E-06	4.19E-06	0.00E+00	0.00E+00	1.12E-06	2.23E-07	1.41E-06	2.18E-07	3.24E-07	3.30E-06
1188	489785.9	3858827	9.94E-03	1.07E-02	1.65E-02	3.44E-06	1.04E-05	6.02E-06	6.47E-06	5.87E-06	2.68E-06	4.13E-06	0.00E+00	0.00E+00	1.11E-06	2.20E-07	1.39E-06	2.15E-07	3.20E-07	3.26E-06
1189	489835.9	3858827	9.80E-03	1.05E-02	1.63E-02	3.39E-06	1.02E-05	5.93E-06	6.38E-06	5.78E-06	2.64E-06	4.09E-06	0.00E+00	0.00E+00	1.09E-06	2.17E-07	1.37E-06	2.12E-07	3.16E-07	3.21E-06
1190	489885.9	3858827	9.67E-03	1.04E-02	1.61E-02	3.35E-06	1.01E-05	5.85E-06	6.29E-06	5.70E-06	2.60E-06	4.04E-06	0.00E+00	0.00E+00	1.08E-06	2.14E-07	1.36E-06	2.09E-07	3.13E-07	3.17E-06

1191	489935.9	3858827	9.53E-03	1.03E-02	1.59E-02	3.30E-06	9.96E-06	5.77E-06	6.21E-06	5.63E-06	2.57E-06	3.99E-06	0.00E+00	0.00E+00	1.06E-06	2.11E-07	1.34E-06	2.06E-07	3.09E-07	3.12E-06
1192	489985.9	3858827	9.41E-03	1.01E-02	1.58E-02	3.26E-06	9.83E-06	5.69E-06	6.13E-06	5.55E-06	2.53E-06	3.94E-06	0.00E+00	0.00E+00	1.05E-06	2.08E-07	1.32E-06	2.04E-07	3.05E-07	3.08E-06
1193	490035.9	3858827	9.29E-03	1.00E-02	1.56E-02	3.21E-06	9.71E-06	5.62E-06	6.05E-06	5.48E-06	2.50E-06	3.90E-06	0.00E+00	0.00E+00	1.03E-06	2.05E-07	1.30E-06	2.01E-07	3.02E-07	3.05E-06
1194	489285.9	3858877	1.12E-02	1.20E-02	1.78E-02	3.89E-06	1.18E-05	6.80E-06	7.28E-06	6.60E-06	3.01E-06	4.46E-06	0.00E+00	0.00E+00	1.25E-06	2.47E-07	1.57E-06	2.42E-07	3.45E-07	3.65E-06
1195	489335.9	3858877	1.10E-02	1.17E-02	1.75E-02	3.80E-06	1.15E-05	6.64E-06	7.11E-06	6.44E-06	2.94E-06	4.39E-06	0.00E+00	0.00E+00	1.22E-06	2.41E-07	1.53E-06	2.36E-07	3.40E-07	3.57E-06
1196	489385.9	3858877	1.07E-02	1.15E-02	1.73E-02	3.72E-06	1.12E-05	6.50E-06	6.96E-06	6.31E-06	2.88E-06	4.32E-06	0.00E+00	0.00E+00	1.20E-06	2.36E-07	1.50E-06	2.31E-07	3.35E-07	3.50E-06
1197	489435.9	3858877	1.05E-02	1.13E-02	1.70E-02	3.65E-06	1.10E-05	6.37E-06	6.83E-06	6.19E-06	2.82E-06	4.26E-06	0.00E+00	0.00E+00	1.17E-06	2.32E-07	1.47E-06	2.27E-07	3.30E-07	3.43E-06
1198	489485.9	3858877	1.03E-02	1.11E-02	1.68E-02	3.58E-06	1.08E-05	6.26E-06	6.71E-06	6.08E-06	2.78E-06	4.21E-06	0.00E+00	0.00E+00	1.15E-06	2.28E-07	1.45E-06	2.23E-07	3.26E-07	3.37E-06
1199	489535.9	3858877	1.02E-02	1.09E-02	1.66E-02	3.52E-06	1.06E-05	6.15E-06	6.60E-06	5.98E-06	2.73E-06	4.15E-06	0.00E+00	0.00E+00	1.13E-06	2.24E-07	1.42E-06	2.19E-07	3.22E-07	3.32E-06
1200	489585.9	3858877	1.00E-02	1.07E-02	1.64E-02	3.46E-06	1.05E-05	6.05E-06	6.50E-06	5.89E-06	2.69E-06	4.11E-06	0.00E+00	0.00E+00	1.11E-06	2.21E-07	1.40E-06	2.16E-07	3.18E-07	3.27E-06
1201	489635.9	3858877	9.86E-03	1.06E-02	1.62E-02	3.41E-06	1.03E-05	5.96E-06	6.41E-06	5.81E-06	2.65E-06	4.06E-06	0.00E+00	0.00E+00	1.10E-06	2.17E-07	1.38E-06	2.13E-07	3.14E-07	3.22E-06
1202	489685.9	3858877	9.71E-03	1.04E-02	1.60E-02	3.36E-06	1.02E-05	5.88E-06	6.32E-06	5.73E-06	2.61E-06	4.01E-06	0.00E+00	0.00E+00	1.08E-06	2.14E-07	1.36E-06	2.10E-07	3.11E-07	3.18E-06
1203	489735.9	3858877	9.58E-03	1.03E-02	1.59E-02	3.32E-06	1.00E-05	5.80E-06	6.23E-06	5.65E-06	2.58E-06	3.97E-06	0.00E+00	0.00E+00	1.07E-06	2.11E-07	1.34E-06	2.07E-07	3.07E-07	3.13E-06
1204	489785.9	3858877	9.45E-03	1.02E-02	1.57E-02	3.27E-06	9.88E-06	5.72E-06	6.15E-06	5.57E-06	2.54E-06	3.93E-06	0.00E+00	0.00E+00	1.05E-06	2.09E-07	1.32E-06	2.04E-07	3.04E-07	3.09E-06
1205	489835.9	3858877	9.33E-03	1.00E-02	1.55E-02	3.23E-06	9.75E-06	5.64E-06	6.07E-06	5.50E-06	2.51E-06	3.88E-06	0.00E+00	0.00E+00	1.04E-06	2.06E-07	1.31E-06	2.02E-07	3.01E-07	3.05E-06
1206	489885.9	3858877	9.21E-03	9.90E-03	1.53E-02	3.19E-06	9.62E-06	5.57E-06	5.99E-06	5.43E-06	2.48E-06	3.84E-06	0.00E+00	0.00E+00	1.02E-06	2.03E-07	1.29E-06	1.99E-07	2.97E-07	3.01E-06
1207	489935.9	3858877	9.09E-03	9.78E-03	1.52E-02	3.15E-06	9.50E-06	5.50E-06	5.92E-06	5.37E-06	2.45E-06	3.80E-06	0.00E+00	0.00E+00	1.01E-06	2.01E-07	1.27E-06	1.97E-07	2.94E-07	2.98E-06
1208	489985.9	3858877	8.98E-03	9.67E-03	1.50E-02	3.11E-06	9.39E-06	5.43E-06	5.85E-06	5.30E-06	2.42E-06	3.76E-06	0.00E+00	0.00E+00	1.00E-06	1.99E-07	1.26E-06	1.94E-07	2.91E-07	2.94E-06
1209	490035.9	3858877	8.88E-03	9.55E-03	1.49E-02	3.07E-06	9.28E-06	5.37E-06	5.78E-06	5.24E-06	2.39E-06	3.72E-06	0.00E+00	0.00E+00	9.88E-07	1.96E-07	1.25E-06	1.92E-07	2.88E-07	2.91E-06
1210	489285.9	3858927	1.04E-02	1.11E-02	1.65E-02	3.60E-06	1.09E-05	6.29E-06	6.73E-06	6.10E-06	2.78E-06	4.14E-06	0.00E+00	0.00E+00	1.16E-06	2.28E-07	1.45E-06	2.24E-07	3.20E-07	3.38E-06
1211	489335.9	3858927	1.02E-02	1.09E-02	1.63E-02	3.53E-06	1.07E-05	6.17E-06	6.61E-06	5.99E-06	2.73E-06	4.09E-06	0.00E+00	0.00E+00	1.13E-06	2.24E-07	1.42E-06	2.19E-07	3.16E-07	3.32E-06
1212	489385.9	3858927	1.00E-02	1.07E-02	1.61E-02	3.47E-06	1.05E-05	6.06E-06	6.49E-06	5.89E-06	2.69E-06	4.04E-06	0.00E+00	0.00E+00	1.11E-06	2.20E-07	1.40E-06	2.16E-07	3.13E-07	3.26E-06
1213	489435.9	3858927	9.85E-03	1.06E-02	1.60E-02	3.41E-06	1.03E-05	5.96E-06	6.39E-06	5.79E-06	2.64E-06	3.99E-06	0.00E+00	0.00E+00	1.10E-06	2.17E-07	1.38E-06	2.12E-07	3.09E-07	3.21E-06
1214	489485.9	3858927	9.70E-03	1.04E-02	1.58E-02	3.36E-06	1.01E-05	5.87E-06	6.29E-06	5.71E-06	2.60E-06	3.95E-06	0.00E+00	0.00E+00	1.08E-06	2.14E-07	1.36E-06	2.09E-07	3.06E-07	3.16E-06
1215	489535.9	3858927	9.56E-03	1.03E-02	1.56E-02	3.31E-06	9.99E-06	5.78E-06	6.21E-06	5.63E-06	2.57E-06	3.91E-06	0.00E+00	0.00E+00	1.06E-06	2.11E-07	1.34E-06	2.06E-07	3.03E-07	3.12E-06
1216	489585.9	3858927	9.43E-03	1.01E-02	1.55E-02	3.26E-06	9.85E-06	5.70E-06	6.12E-06	5.55E-06	2.53E-06	3.87E-06	0.00E+00	0.00E+00	1.05E-06	2.08E-07	1.32E-06	2.03E-07	3.00E-07	3.08E-06
1217	489635.9	3858927	9.30E-03	9.99E-03	1.53E-02	3.22E-06	9.72E-06	5.63E-06	6.05E-06	5.48E-06	2.50E-06	3.83E-06	0.00E+00	0.00E+00	1.04E-06	2.05E-07	1.30E-06	2.01E-07	2.97E-07	3.04E-06
1218	489685.9	3858927	9.19E-03	9.87E-03	1.52E-02	3.18E-06	9.60E-06	5.56E-06	5.97E-06	5.41E-06	2.47E-06	3.80E-06	0.00E+00	0.00E+00	1.02E-06	2.03E-07	1.29E-06	1.98E-07	2.94E-07	3.00E-06
1219	489735.9	3858927	9.07E-03	9.75E-03	1.50E-02	3.14E-06	9.48E-06	5.49E-06	5.90E-06	5.35E-06	2.44E-06	3.76E-06	0.00E+00	0.00E+00	1.01E-06	2.00E-07	1.27E-06	1.96E-07	2.91E-07	2.97E-06
1220	489785.9	3858927	8.96E-03	9.64E-03	1.49E-02	3.10E-06	9.37E-06	5.42E-06	5.83E-06	5.29E-06	2.41E-06	3.72E-06	0.00E+00	0.00E+00	9.98E-07	1.98E-07	1.26E-06	1.94E-07	2.88E-07	2.93E-06
1221	489835.9	3858927	8.86E-03	9.53E-03	1.47E-02	3.07E-06	9.26E-06	5.36E-06	5.76E-06	5.23E-06	2.38E-06	3.69E-06	0.00E+00	0.00E+00	9.86E-07	1.96E-07	1.24E-06	1.91E-07	2.85E-07	2.90E-06
1222	489885.9	3858927	8.76E-03	9.42E-03	1.46E-02	3.03E-06	9.15E-06	5.30E-06	5.70E-06	5.17E-06	2.36E-06	3.65E-06	0.00E+00	0.00E+00	9.75E-07	1.93E-07	1.23E-06	1.89E-07	2.83E-07	2.87E-06
1223	489935.9	3858927	8.66E-03	9.32E-03	1.45E-02	3.00E-06	9.05E-06	5.24E-06	5.64E-06	5.11E-06	2.33E-06	3.62E-06	0.00E+00	0.00E+00	9.64E-07	1.91E-07	1.21E-06	1.87E-07	2.80E-07	2.84E-06
1224	489985.9	3858927	8.56E-03	9.22E-03	1.43E-02	2.96E-06	8.95E-06	5.18E-06	5.58E-06	5.06E-06	2.31E-06	3.59E-06	0.00E+00	0.00E+00	9.53E-07	1.89E-07	1.20E-06	1.85E-07	2.78E-07	2.81E-06
1225	490035.9	3858927	8.47E-03	9.12E-03	1.42E-02	2.93E-06	8.86E-06	5.13E-06	5.52E-06	5.00E-06	2.28E-06	3.56E-06	0.00E+00	0.00E+00	9.43E-07	1.87E-07	1.19E-06	1.83E-07	2.75E-07	2.78E-06
1226	489335.9	3858977	9.41E-03	1.01E-02	1.51E-02	3.26E-06	9.84E-06	5.70E-06	6.10E-06	5.53E-06	2.52E-06	3.79E-06	0.00E+00	0.00E+00	1.05E-06	2.07E-07	1.31E-06	2.03E-07	2.94E-07	3.07E-06
1227	489385.9	3858977	9.29E-03	9.96E-03	1.50E-02	3.22E-06	9.71E-06	5.62E-06	6.03E-06	5.46E-06	2.49E-06	3.76E-06	0.00E+00	0.00E+00	1.03E-06	2.05E-07	1.30E-06	2.00E-07	2.91E-07	3.03E-06
1228	489435.9	3858977	9.17E-03	9.84E-03	1.49E-02	3.18E-06	9.59E-06	5.55E-06	5.95E-06	5.40E-06	2.46E-06	3.73E-06	0.00E+00	0.00E+00	1.02E-06	2.02E-07	1.28E-06	1.98E-07	2.89E-07	2.99E-06
1229	489485.9	3858977	9.06E-03	9.73E-03	1.48E-02	3.14E-06	9.47E-06	5.48E-06	5.89E-06	5.34E-06	2.43E-06	3.70E-06	0.00E+00	0.00E+00	1.01E-06	2.00E-07	1.27E-06	1.95E-07	2.87E-07	2.96E-06
1230	489535.9	3858977	8.96E-03	9.62E-03	1.47E-02	3.10E-06	9.37E-06	5.42E-06	5.82E-06	5.28E-06	2.41E-06	3.67E-06	0.00E+00	0.00E+00	9.97E-07	1.98E-07	1.25E-06	1.93E-07	2.84E-07	2.93E-06
1231	489585.9	3858977	8.86E-03	9.51E-03	1.46E-02	3.07E-06	9.26E-06	5.36E-06	5.76E-06	5.22E-06	2.38E-06	3.64E-06	0.00E+00	0.00E+00	9.86E-07	1.95E-07	1.24E-06	1.91E-07	2.82E-07	2.89E-06
1232	489635.9	3858977	8.76E-03	9.41E-03	1.44E-02	3.03E-06	9.16E-06	5.30E-06	5.70E-06	5.16E-06	2.36E-06	3.61E-06	0.00E+00	0.00E+00	9.75E-07	1.93E-07	1.23E-06	1.89E-07	2.80E-07	2.86E-06
1233	489685.9	3858977	8.67E-03	9.32E-03	1.43E-02	3.00E-06	9.06E-06	5.25E-06	5.64E-06	5.11E-06	2.33E-06	3.59E-06	0.00E+00	0.00E+00	9.65E-07	1.91E-07	1.21E-06	1.87E-07	2.78E-07	2.84E-06
1234	489735.9	3858977	8.58E-03	9.22E-03	1.42E-02	2.97E-06	8.97E-06	5.19E-06	5.58E-06	5.06E-06	2.31E-06	3.56E-06	0.00E+00	0.00E+00	9.55E-07	1.89E-07	1.20E-06	1.85E-07	2.75E-07	2.81E-06
1235	489785.9	3858977	8.49E-03	9.13E-03	1.41E-02	2.94E-06	8.87E-06	5.14E-06	5.52E-06	5.01E-06	2.28E-06	3.53E-06	0.00E+00	0.00E+00	9.45E-07	1.87E-07	1.19E-06	1.83E-07	2.73E-07	2.78E-06
1236	489835.9	3858977	8.40E-03	9.03E-03	1.40E-02	2.91E-06	8.78E-06	5.08E-06	5.47E-06	4.96E-06	2.26E-06	3.50E-06	0.00E+00	0.00E+00	9.35E-07	1.86E-07	1.18E-06	1.82E-07	2.71E-07	2.75E-06
1237	489885.9	3858977	8.32E-03	8.95E-03	1.39E-02	2.88E-06	8.70E-06	5.03E-06	5.42E-06	4.91E-06	2.24E-06	3.47E-06	0.00E+00	0.00E+00	9.26E-07	1.84E-07	1.17E-06	1.80E-07	2.69E-07	2.73E-06
1238	489935.9	3858977	8.24E-03	8.87E-03	1.38E-02	2.85E-06	8.61E-06	4.98E-06	5.36E-06	4.86E-06	2.22E-06	3.44E-06	0.00E+00	0.00E+00	9.17E-07	1.82E-07	1.16E-06	1.78E-07	2.67E-07	2.70E-06
1239	489985.9	3858977	8.16E-03	8.78E-03	1.36E-02	2.82E-06	8.53E-06	4.94E-06	5.31E-06	4.82E-06	2.20E-06	3.42E-06	0.00E+00	0.00E+00	9.08E-07	1.80E-07	1.14E-06	1.76E-07	2.64E-07	2.67E-06
1240	490035.9	3858977	8.09E-03	8.71E-03	1.36E-02	2.80E-06	8.45E-06	4.89E-06	5.27E-06	4.78E-06	2.18E-06	3.40E-06	0.00E+00	0.00E+00	9.00E-07	1.79E-07	1.13E-06	1.75E-07	2.63E-07	2.65E-06
1241	489385.9	3859027	8.60E-03	9.22E-03	1.40E-02	2.98E-06	8.99E-06	5.20E-06	5.58E-06	5.06E-06	2.31E-06	3.50E-06	0.00E+00	0.00E+00	9.57E-07	1.89E-07	1.20E-06	1.85E-07	2.71E-07	2.80E-06
1242	489435.9	3859027	8.53E-03	9.15E-03	1.39E-02	2.95E-06	8.91E-06	5.16E-06	5.54E-06	5.02E-06	2.29E-06	3.48E-06	0.00E+00	0.00E+00	9.49E-07	1.88E-07	1.19E-06	1.84E-07	2.70E-07	2.78E-06
1243	489485.9	3859027	8.46E-03	9.08E-03	1.38E-02	2.93E-06	8.84E-06	5.12E-06	5.49E-06	4.98E-06	2.27E-06	3.46E-06	0.00E+00	0.00E+00	9.41E-07	1.86E-07	1.18E-06	1.82E-07	2.68E-07	2.76E-06
1244	489535.9	3859027	8.38E-03	9.00E-03	1.38E-02	2.90E-06	8.76E-06	5.07E-06	5.45E-06	4.94E-06	2.25E-06	3.45E-06	0.00E+00	0.00E+00	9.33E-07	1.85E-07	1.17E-06	1.81E-07	2.67E-07	2.74E-06
1245	489585.9	3859027	8.31E-03	8.93E-03	1.37E-02	2.88E-06	8.69E-06	5.03E-06	5.40E-06	4.90E-06	2.24E-06	3.43E-06	0.00E+00	0.00E+00	9.25E-07	1.83E-07	1.16E-06	1.79E-07	2.65E-07	2.72E-06
1246	489635.9	3859027	8.24E-03	8.86E-03	1.36E-02	2.85E-06	8.61E-06	4.99E-06	5.36E-06	4.86E-06	2.22E-06	3.41E-06	0.00E+00	0.00E+00	9.17E-07	1.82E-07	1.15E-06	1.78E-07	2.64E-07	2.70E-06
1247	489685.9	3859027	8.17E-03	8.78E-03	1.35E-02	2.83E-06	8.54E-06	4.94E-06	5.31E-06	4.82E-06	2.20E-06	3.38E-06	0.00E+00	0.00E+00	9.10E-07	1.80E-07	1.14E-06	1.77E-07	2.62E-07	2.67E-06

1248	489735.9	3859027	8.10E-03	8.71E-03	1.34E-02	2.80E-06	8.47E-06	4.90E-06	5.27E-06	4.78E-06	2.18E-06	3.36E-06	0.00E+00	0.00E+00	9.02E-07	1.79E-07	1.13E-06	1.75E-07	2.60E-07	2.65E-06
1249	489785.9	3859027	8.03E-03	8.63E-03	1.33E-02	2.78E-06	8.39E-06	4.86E-06	5.22E-06	4.74E-06	2.16E-06	3.34E-06	0.00E+00	0.00E+00	8.94E-07	1.77E-07	1.13E-06	1.74E-07	2.59E-07	2.63E-06
1250	489835.9	3859027	7.96E-03	8.57E-03	1.33E-02	2.76E-06	8.33E-06	4.82E-06	5.18E-06	4.70E-06	2.14E-06	3.32E-06	0.00E+00	0.00E+00	8.87E-07	1.76E-07	1.12E-06	1.72E-07	2.57E-07	2.61E-06
1251	489885.9	3859027	7.90E-03	8.50E-03	1.32E-02	2.73E-06	8.26E-06	4.78E-06	5.14E-06	4.66E-06	2.13E-06	3.30E-06	0.00E+00	0.00E+00	8.79E-07	1.75E-07	1.11E-06	1.71E-07	2.55E-07	2.59E-06
1252	489935.9	3859027	7.83E-03	8.43E-03	1.31E-02	2.71E-06	8.19E-06	4.74E-06	5.10E-06	4.62E-06	2.11E-06	3.28E-06	0.00E+00	0.00E+00	8.72E-07	1.73E-07	1.10E-06	1.69E-07	2.54E-07	2.57E-06
1253	489985.9	3859027	7.77E-03	8.36E-03	1.30E-02	2.69E-06	8.12E-06	4.70E-06	5.06E-06	4.59E-06	2.09E-06	3.25E-06	0.00E+00	0.00E+00	8.65E-07	1.72E-07	1.09E-06	1.68E-07	2.52E-07	2.55E-06
1254	490035.9	3859027	7.71E-03	8.30E-03	1.29E-02	2.67E-06	8.06E-06	4.66E-06	5.02E-06	4.55E-06	2.08E-06	3.24E-06	0.00E+00	0.00E+00	8.58E-07	1.70E-07	1.08E-06	1.67E-07	2.51E-07	2.53E-06
1255	489485.9	3859077	7.88E-03	8.46E-03	1.29E-02	2.73E-06	8.23E-06	4.77E-06	5.12E-06	4.64E-06	2.12E-06	3.24E-06	0.00E+00	0.00E+00	8.77E-07	1.74E-07	1.10E-06	1.70E-07	2.51E-07	2.57E-06
1256	489535.9	3859077	7.84E-03	8.42E-03	1.29E-02	2.71E-06	8.19E-06	4.74E-06	5.09E-06	4.62E-06	2.11E-06	3.23E-06	0.00E+00	0.00E+00	8.72E-07	1.73E-07	1.10E-06	1.69E-07	2.50E-07	2.56E-06
1257	489585.9	3859077	7.79E-03	8.37E-03	1.29E-02	2.70E-06	8.15E-06	4.72E-06	5.07E-06	4.59E-06	2.10E-06	3.22E-06	0.00E+00	0.00E+00	8.67E-07	1.72E-07	1.09E-06	1.68E-07	2.49E-07	2.55E-06
1258	489635.9	3859077	7.74E-03	8.32E-03	1.28E-02	2.68E-06	8.09E-06	4.69E-06	5.04E-06	4.57E-06	2.08E-06	3.21E-06	0.00E+00	0.00E+00	8.62E-07	1.71E-07	1.08E-06	1.67E-07	2.48E-07	2.53E-06
1259	489685.9	3859077	7.69E-03	8.27E-03	1.28E-02	2.66E-06	8.04E-06	4.66E-06	5.00E-06	4.54E-06	2.07E-06	3.19E-06	0.00E+00	0.00E+00	8.56E-07	1.70E-07	1.08E-06	1.66E-07	2.47E-07	2.52E-06
1260	489735.9	3859077	7.64E-03	8.22E-03	1.27E-02	2.65E-06	7.99E-06	4.62E-06	4.97E-06	4.51E-06	2.06E-06	3.18E-06	0.00E+00	0.00E+00	8.51E-07	1.69E-07	1.07E-06	1.65E-07	2.46E-07	2.50E-06
1261	489785.9	3859077	7.59E-03	8.16E-03	1.26E-02	2.63E-06	7.93E-06	4.59E-06	4.94E-06	4.48E-06	2.04E-06	3.16E-06	0.00E+00	0.00E+00	8.45E-07	1.68E-07	1.06E-06	1.64E-07	2.45E-07	2.49E-06
1262	489835.9	3859077	7.54E-03	8.11E-03	1.26E-02	2.61E-06	7.88E-06	4.56E-06	4.91E-06	4.45E-06	2.03E-06	3.15E-06	0.00E+00	0.00E+00	8.39E-07	1.67E-07	1.06E-06	1.63E-07	2.44E-07	2.47E-06
1263	489885.9	3859077	7.49E-03	8.06E-03	1.25E-02	2.59E-06	7.83E-06	4.53E-06	4.88E-06	4.42E-06	2.02E-06	3.13E-06	0.00E+00	0.00E+00	8.34E-07	1.66E-07	1.05E-06	1.62E-07	2.42E-07	2.45E-06
1264	489935.9	3859077	7.44E-03	8.01E-03	1.24E-02	2.58E-06	7.78E-06	4.50E-06	4.84E-06	4.39E-06	2.00E-06	3.11E-06	0.00E+00	0.00E+00	8.28E-07	1.64E-07	1.04E-06	1.61E-07	2.41E-07	2.44E-06
1265	489985.9	3859077	7.39E-03	7.95E-03	1.24E-02	2.56E-06	7.72E-06	4.47E-06	4.81E-06	4.36E-06	1.99E-06	3.10E-06	0.00E+00	0.00E+00	8.23E-07	1.63E-07	1.04E-06	1.60E-07	2.40E-07	2.42E-06
1266	490035.9	3859077	7.35E-03	7.91E-03	1.23E-02	2.54E-06	7.68E-06	4.44E-06	4.79E-06	4.34E-06	1.98E-06	3.09E-06	0.00E+00	0.00E+00	8.18E-07	1.62E-07	1.03E-06	1.59E-07	2.39E-07	2.41E-06
1267	489585.9	3859127	7.30E-03	7.85E-03	1.21E-02	2.53E-06	7.63E-06	4.42E-06	4.75E-06	4.30E-06	1.96E-06	3.03E-06	0.00E+00	0.00E+00	8.13E-07	1.61E-07	1.02E-06	1.58E-07	2.34E-07	2.39E-06
1268	489635.9	3859127	7.27E-03	7.82E-03	1.21E-02	2.52E-06	7.60E-06	4.40E-06	4.73E-06	4.29E-06	1.96E-06	3.02E-06	0.00E+00	0.00E+00	8.10E-07	1.61E-07	1.02E-06	1.57E-07	2.34E-07	2.38E-06
1269	489685.9	3859127	7.24E-03	7.79E-03	1.20E-02	2.51E-06	7.57E-06	4.38E-06	4.71E-06	4.27E-06	1.95E-06	3.01E-06	0.00E+00	0.00E+00	8.06E-07	1.60E-07	1.01E-06	1.57E-07	2.33E-07	2.37E-06
1270	489735.9	3859127	7.21E-03	7.75E-03	1.20E-02	2.50E-06	7.53E-06	4.36E-06	4.69E-06	4.25E-06	1.94E-06	3.00E-06	0.00E+00	0.00E+00	8.02E-07	1.59E-07	1.01E-06	1.56E-07	2.32E-07	2.36E-06
1271	489785.9	3859127	7.17E-03	7.72E-03	1.20E-02	2.48E-06	7.50E-06	4.34E-06	4.67E-06	4.23E-06	1.93E-06	2.99E-06	0.00E+00	0.00E+00	7.98E-07	1.58E-07	1.01E-06	1.55E-07	2.32E-07	2.35E-06
1272	489835.9	3859127	7.14E-03	7.68E-03	1.19E-02	2.47E-06	7.46E-06	4.32E-06	4.65E-06	4.21E-06	1.92E-06	2.98E-06	0.00E+00	0.00E+00	7.95E-07	1.58E-07	1.00E-06	1.54E-07	2.31E-07	2.34E-06
1273	489885.9	3859127	7.10E-03	7.64E-03	1.19E-02	2.46E-06	7.42E-06	4.30E-06	4.62E-06	4.19E-06	1.91E-06	2.97E-06	0.00E+00	0.00E+00	7.91E-07	1.57E-07	9.96E-07	1.54E-07	2.30E-07	2.33E-06
1274	489935.9	3859127	7.06E-03	7.60E-03	1.18E-02	2.45E-06	7.38E-06	4.27E-06	4.60E-06	4.17E-06	1.90E-06	2.96E-06	0.00E+00	0.00E+00	7.86E-07	1.56E-07	9.91E-07	1.53E-07	2.29E-07	2.32E-06
1275	489985.9	3859127	7.03E-03	7.57E-03	1.18E-02	2.43E-06	7.35E-06	4.25E-06	4.58E-06	4.15E-06	1.89E-06	2.95E-06	0.00E+00	0.00E+00	7.83E-07	1.55E-07	9.86E-07	1.52E-07	2.28E-07	2.31E-06
1276	490035.9	3859127	6.99E-03	7.53E-03	1.17E-02	2.42E-06	7.31E-06	4.23E-06	4.56E-06	4.13E-06	1.88E-06	2.94E-06	0.00E+00	0.00E+00	7.78E-07	1.55E-07	9.81E-07	1.51E-07	2.28E-07	2.29E-06
1277	489585.9	3859177	6.84E-03	7.36E-03	1.14E-02	2.37E-06	7.15E-06	4.14E-06	4.45E-06	4.04E-06	1.84E-06	2.84E-06	0.00E+00	0.00E+00	7.62E-07	1.51E-07	9.59E-07	1.48E-07	2.20E-07	2.24E-06
1278	489635.9	3859177	6.83E-03	7.35E-03	1.14E-02	2.36E-06	7.14E-06	4.13E-06	4.45E-06	4.03E-06	1.84E-06	2.84E-06	0.00E+00	0.00E+00	7.60E-07	1.51E-07	9.57E-07	1.48E-07	2.20E-07	2.24E-06
1279	489685.9	3859177	6.81E-03	7.33E-03	1.13E-02	2.36E-06	7.12E-06	4.12E-06	4.44E-06	4.02E-06	1.83E-06	2.84E-06	0.00E+00	0.00E+00	7.59E-07	1.51E-07	9.55E-07	1.47E-07	2.20E-07	2.23E-06
1280	489735.9	3859177	6.80E-03	7.31E-03	1.13E-02	2.35E-06	7.10E-06	4.11E-06	4.42E-06	4.01E-06	1.83E-06	2.83E-06	0.00E+00	0.00E+00	7.56E-07	1.50E-07	9.53E-07	1.47E-07	2.20E-07	2.23E-06
1281	489785.9	3859177	6.78E-03	7.29E-03	1.13E-02	2.35E-06	7.08E-06	4.10E-06	4.41E-06	4.00E-06	1.83E-06	2.83E-06	0.00E+00	0.00E+00	7.54E-07	1.50E-07	9.50E-07	1.47E-07	2.19E-07	2.22E-06
1282	489835.9	3859177	6.75E-03	7.27E-03	1.13E-02	2.34E-06	7.06E-06	4.09E-06	4.40E-06	3.99E-06	1.82E-06	2.83E-06	0.00E+00	0.00E+00	7.52E-07	1.49E-07	9.47E-07	1.46E-07	2.19E-07	2.21E-06
1283	489885.9	3859177	6.73E-03	7.25E-03	1.13E-02	2.33E-06	7.04E-06	4.07E-06	4.38E-06	3.97E-06	1.81E-06	2.82E-06	0.00E+00	0.00E+00	7.49E-07	1.49E-07	9.44E-07	1.46E-07	2.18E-07	2.21E-06
1284	489935.9	3859177	6.70E-03	7.22E-03	1.12E-02	2.32E-06	7.01E-06	4.06E-06	4.37E-06	3.96E-06	1.81E-06	2.81E-06	0.00E+00	0.00E+00	7.46E-07	1.48E-07	9.41E-07	1.45E-07	2.18E-07	2.20E-06
1285	489985.9	3859177	6.68E-03	7.20E-03	1.12E-02	2.31E-06	6.98E-06	4.04E-06	4.35E-06	3.95E-06	1.80E-06	2.81E-06	0.00E+00	0.00E+00	7.44E-07	1.48E-07	9.38E-07	1.45E-07	2.17E-07	2.19E-06
1286	490035.9	3859177	6.65E-03	7.16E-03	1.12E-02	2.30E-06	6.95E-06	4.02E-06	4.33E-06	3.93E-06	1.79E-06	2.80E-06	0.00E+00	0.00E+00	7.40E-07	1.47E-07	9.33E-07	1.44E-07	2.17E-07	2.18E-06
1287	489685.9	3859227	6.42E-03	6.90E-03	1.07E-02	2.22E-06	6.71E-06	3.88E-06	4.18E-06	3.79E-06	1.73E-06	2.68E-06	0.00E+00	0.00E+00	7.14E-07	1.42E-07	9.00E-07	1.39E-07	2.07E-07	2.10E-06
1288	489735.9	3859227	6.41E-03	6.90E-03	1.07E-02	2.22E-06	6.70E-06	3.88E-06	4.17E-06	3.78E-06	1.73E-06	2.68E-06	0.00E+00	0.00E+00	7.13E-07	1.42E-07	8.99E-07	1.39E-07	2.07E-07	2.10E-06
1289	489785.9	3859227	6.40E-03	6.89E-03	1.07E-02	2.22E-06	6.69E-06	3.87E-06	4.17E-06	3.78E-06	1.72E-06	2.68E-06	0.00E+00	0.00E+00	7.13E-07	1.41E-07	8.98E-07	1.38E-07	2.07E-07	2.10E-06
1290	489835.9	3859227	6.39E-03	6.88E-03	1.07E-02	2.21E-06	6.68E-06	3.87E-06	4.16E-06	3.77E-06	1.72E-06	2.68E-06	0.00E+00	0.00E+00	7.12E-07	1.41E-07	8.97E-07	1.38E-07	2.07E-07	2.10E-06
1291	489885.9	3859227	6.38E-03	6.87E-03	1.07E-02	2.21E-06	6.67E-06	3.86E-06	4.16E-06	3.77E-06	1.72E-06	2.68E-06	0.00E+00	0.00E+00	7.10E-07	1.41E-07	8.95E-07	1.38E-07	2.07E-07	2.09E-06
1292	489935.9	3859227	6.37E-03	6.85E-03	1.07E-02	2.20E-06	6.65E-06	3.85E-06	4.15E-06	3.76E-06	1.72E-06	2.67E-06	0.00E+00	0.00E+00	7.09E-07	1.41E-07	8.93E-07	1.38E-07	2.07E-07	2.09E-06
1293	489985.9	3859227	6.35E-03	6.84E-03	1.07E-02	2.20E-06	6.64E-06	3.84E-06	4.14E-06	3.75E-06	1.71E-06	2.67E-06	0.00E+00	0.00E+00	7.07E-07	1.41E-07	8.92E-07	1.38E-07	2.07E-07	2.08E-06
1294	490035.9	3859227	6.33E-03	6.82E-03	1.07E-02	2.19E-06	6.62E-06	3.83E-06	4.13E-06	3.74E-06	1.71E-06	2.67E-06	0.00E+00	0.00E+00	7.05E-07	1.40E-07	8.89E-07	1.37E-07	2.06E-07	2.08E-06
1295	489735.9	3859277	6.04E-03	6.51E-03	1.01E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.53E-06	0.00E+00	0.00E+00	6.73E-07	1.34E-07	8.48E-07	1.31E-07	1.96E-07	1.98E-06
1296	489785.9	3859277	6.05E-03	6.51E-03	1.01E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.53E-06	0.00E+00	0.00E+00	6.73E-07	1.34E-07	8.48E-07	1.31E-07	1.96E-07	1.98E-06
1297	489835.9	3859277	6.05E-03	6.51E-03	1.01E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.54E-06	0.00E+00	0.00E+00	6.74E-07	1.34E-07	8.49E-07	1.31E-07	1.97E-07	1.98E-06
1298	489885.9	3859277	6.05E-03	6.51E-03	1.01E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.54E-06	0.00E+00	0.00E+00	6.73E-07	1.34E-07	8.48E-07	1.31E-07	1.97E-07	1.98E-06
1299	489935.9	3859277	6.04E-03	6.51E-03	1.02E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.54E-06	0.00E+00	0.00E+00	6.73E-07	1.34E-07	8.48E-07	1.31E-07	1.97E-07	1.98E-06
1300	489985.9	3859277	6.04E-03	6.51E-03	1.02E-02	2.09E-06	6.32E-06	3.66E-06	3.94E-06	3.57E-06	1.63E-06	2.55E-06	0.00E+00	0.00E+00	6.73E-07	1.34E-07	8.48E-07	1.31E-07	1.97E-07	1.98E-06
1301	490035.9	3859277	6.02E-03	6.49E-03	1.01E-02	2.09E-06	6.30E-06	3.65E-06	3.93E-06	3.56E-06	1.62E-06	2.54E-06	0.00E+00	0.00E+00	6.71E-07	1.33E-07	8.46E-07	1.30E-07	1.97E-07	1.98E-06
1302	490458.1	3859591	4.48E-03	4.83E-03	7.60E-03	1.55E-06	4.69E-06	2.71E-06	2.92E-06	2.65E-06	1.21E-06	1.90E-06	0.00E+00	0.00E+00	4.99E-07	9.93E-08	6.30E-07	9.71E-08	1.47E-07	1.47E-06
1303	490508.1	3859591	4.49E-03	4.85E-03	7.62E-03	1.56E-06	4.70E-06	2.72E-06	2.93E-06	2.66E-06	1.21E-06	1.91E-06	0.00E+00	0.00E+00	5.00E-07	9.95E-08	6.31E-07	9.74E-08	1.48E-07	1.48E-06
1304	490558.1	3859591	4.50E-03	4.85E-03	7.64E-03	1.56E-06	4.71E-06	2.72E-06	2.94E-06	2.66E-06	1.21E-06	1.91E-06	0.00E+00	0.00E+00	5.01E-07	9.97E-08	6.33E-07	9.76E-08	1.48E-07	1.48E-06

1305	490608.1	3859591	4.51E-03	4.86E-03	7.66E-03	1.56E-06	4.71E-06	2.73E-06	2.94E-06	2.67E-06	1.22E-06	1.92E-06	0.00E+00	0.00E+00	5.02E-07	9.98E-08	6.33E-07	9.77E-08	1.48E-07	1.48E-06
1306	490658.1	3859591	4.51E-03	4.86E-03	7.67E-03	1.56E-06	4.71E-06	2.73E-06	2.94E-06	2.67E-06	1.22E-06	1.92E-06	0.00E+00	0.00E+00	5.02E-07	9.99E-08	6.34E-07	9.77E-08	1.49E-07	1.48E-06
1307	490708.1	3859591	4.51E-03	4.86E-03	7.67E-03	1.56E-06	4.71E-06	2.73E-06	2.94E-06	2.67E-06	1.22E-06	1.92E-06	0.00E+00	0.00E+00	5.02E-07	9.99E-08	6.34E-07	9.77E-08	1.49E-07	1.48E-06
1308	490758.1	3859591	4.51E-03	4.86E-03	7.67E-03	1.56E-06	4.71E-06	2.73E-06	2.94E-06	2.67E-06	1.22E-06	1.92E-06	0.00E+00	0.00E+00	5.02E-07	9.98E-08	6.33E-07	9.77E-08	1.49E-07	1.48E-06
1309	490808.1	3859591	4.50E-03	4.85E-03	7.67E-03	1.56E-06	4.70E-06	2.72E-06	2.94E-06	2.66E-06	1.21E-06	1.92E-06	0.00E+00	0.00E+00	5.01E-07	9.97E-08	6.32E-07	9.75E-08	1.49E-07	1.48E-06
1310	490858.1	3859591	4.49E-03	4.84E-03	7.66E-03	1.55E-06	4.69E-06	2.72E-06	2.93E-06	2.66E-06	1.21E-06	1.92E-06	0.00E+00	0.00E+00	5.00E-07	9.95E-08	6.31E-07	9.73E-08	1.48E-07	1.48E-06
1311	490458.1	3859641	4.28E-03	4.62E-03	7.26E-03	1.48E-06	4.48E-06	2.59E-06	2.79E-06	2.53E-06	1.16E-06	1.82E-06	0.00E+00	0.00E+00	4.77E-07	9.48E-08	6.02E-07	9.28E-08	1.41E-07	1.41E-06
1312	490508.1	3859641	4.30E-03	4.63E-03	7.29E-03	1.49E-06	4.49E-06	2.60E-06	2.80E-06	2.54E-06	1.16E-06	1.82E-06	0.00E+00	0.00E+00	4.78E-07	9.52E-08	6.04E-07	9.31E-08	1.41E-07	1.41E-06
1313	490558.1	3859641	4.31E-03	4.65E-03	7.32E-03	1.49E-06	4.51E-06	2.61E-06	2.81E-06	2.55E-06	1.16E-06	1.83E-06	0.00E+00	0.00E+00	4.80E-07	9.55E-08	6.06E-07	9.34E-08	1.42E-07	1.42E-06
1314	490608.1	3859641	4.32E-03	4.66E-03	7.34E-03	1.50E-06	4.52E-06	2.62E-06	2.82E-06	2.56E-06	1.17E-06	1.84E-06	0.00E+00	0.00E+00	4.81E-07	9.58E-08	6.08E-07	9.37E-08	1.42E-07	1.42E-06
1315	490658.1	3859641	4.33E-03	4.67E-03	7.37E-03	1.50E-06	4.53E-06	2.62E-06	2.83E-06	2.56E-06	1.17E-06	1.84E-06	0.00E+00	0.00E+00	4.82E-07	9.60E-08	6.09E-07	9.39E-08	1.43E-07	1.42E-06
1316	490708.1	3859641	4.34E-03	4.68E-03	7.38E-03	1.50E-06	4.53E-06	2.62E-06	2.83E-06	2.57E-06	1.17E-06	1.85E-06	0.00E+00	0.00E+00	4.83E-07	9.61E-08	6.10E-07	9.40E-08	1.43E-07	1.43E-06
1317	490758.1	3859641	4.34E-03	4.68E-03	7.39E-03	1.50E-06	4.54E-06	2.63E-06	2.83E-06	2.57E-06	1.17E-06	1.85E-06	0.00E+00	0.00E+00	4.83E-07	9.61E-08	6.10E-07	9.41E-08	1.43E-07	1.43E-06
1318	490808.1	3859641	4.34E-03	4.68E-03	7.39E-03	1.50E-06	4.53E-06	2.62E-06	2.83E-06	2.57E-06	1.17E-06	1.85E-06	0.00E+00	0.00E+00	4.83E-07	9.61E-08	6.10E-07	9.40E-08	1.43E-07	1.43E-06
1319	490858.1	3859641	4.33E-03	4.67E-03	7.39E-03	1.50E-06	4.53E-06	2.62E-06	2.83E-06	2.56E-06	1.17E-06	1.85E-06	0.00E+00	0.00E+00	4.82E-07	9.60E-08	6.09E-07	9.39E-08	1.43E-07	1.42E-06
1320	490608.1	3859691	4.14E-03	4.47E-03	7.04E-03	1.43E-06	4.33E-06	2.51E-06	2.70E-06	2.45E-06	1.12E-06	1.76E-06	0.00E+00	0.00E+00	4.61E-07	9.18E-08	5.82E-07	8.98E-08	1.36E-07	1.36E-06
1321	490658.1	3859691	4.16E-03	4.49E-03	7.07E-03	1.44E-06	4.35E-06	2.52E-06	2.71E-06	2.46E-06	1.12E-06	1.77E-06	0.00E+00	0.00E+00	4.63E-07	9.21E-08	5.85E-07	9.01E-08	1.37E-07	1.37E-06
1322	490708.1	3859691	4.17E-03	4.50E-03	7.09E-03	1.44E-06	4.36E-06	2.52E-06	2.72E-06	2.47E-06	1.13E-06	1.77E-06	0.00E+00	0.00E+00	4.64E-07	9.23E-08	5.86E-07	9.04E-08	1.37E-07	1.37E-06
1323	490758.1	3859691	4.18E-03	4.50E-03	7.11E-03	1.45E-06	4.36E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.78E-06	0.00E+00	0.00E+00	4.65E-07	9.25E-08	5.87E-07	9.05E-08	1.38E-07	1.37E-06
1324	490808.1	3859691	4.18E-03	4.51E-03	7.12E-03	1.45E-06	4.37E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.78E-06	0.00E+00	0.00E+00	4.65E-07	9.26E-08	5.87E-07	9.06E-08	1.38E-07	1.37E-06
1325	490858.1	3859691	4.18E-03	4.51E-03	7.12E-03	1.45E-06	4.37E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.78E-06	0.00E+00	0.00E+00	4.65E-07	9.25E-08	5.87E-07	9.06E-08	1.38E-07	1.37E-06
1326	490708.1	3859741	4.00E-03	4.32E-03	6.80E-03	1.39E-06	4.18E-06	2.42E-06	2.61E-06	2.37E-06	1.08E-06	1.70E-06	0.00E+00	0.00E+00	4.45E-07	8.86E-08	5.62E-07	8.67E-08	1.32E-07	1.32E-06
1327	490758.1	3859741	4.01E-03	4.32E-03	6.82E-03	1.39E-06	4.19E-06	2.43E-06	2.62E-06	2.37E-06	1.08E-06	1.71E-06	0.00E+00	0.00E+00	4.46E-07	8.88E-08	5.64E-07	8.69E-08	1.32E-07	1.32E-06
1328	490808.1	3859741	4.02E-03	4.33E-03	6.84E-03	1.39E-06	4.20E-06	2.43E-06	2.62E-06	2.38E-06	1.08E-06	1.71E-06	0.00E+00	0.00E+00	4.47E-07	8.90E-08	5.65E-07	8.71E-08	1.32E-07	1.32E-06
1329	490858.1	3859741	4.02E-03	4.34E-03	6.85E-03	1.39E-06	4.20E-06	2.43E-06	2.62E-06	2.38E-06	1.09E-06	1.71E-06	0.00E+00	0.00E+00	4.48E-07	8.91E-08	5.65E-07	8.72E-08	1.33E-07	1.32E-06
1330	490786.6	3859749	3.99E-03	4.30E-03	6.78E-03	1.38E-06	4.17E-06	2.41E-06	2.60E-06	2.36E-06	1.08E-06	1.70E-06	0.00E+00	0.00E+00	4.44E-07	8.83E-08	5.60E-07	8.64E-08	1.31E-07	1.31E-06
1331	490836.6	3859749	3.99E-03	4.31E-03	6.80E-03	1.38E-06	4.17E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.70E-06	0.00E+00	0.00E+00	4.44E-07	8.84E-08	5.61E-07	8.65E-08	1.32E-07	1.31E-06
1332	490786.6	3859799	3.83E-03	4.13E-03	6.50E-03	1.32E-06	4.00E-06	2.31E-06	2.50E-06	2.26E-06	1.03E-06	1.63E-06	0.00E+00	0.00E+00	4.26E-07	8.47E-08	5.38E-07	8.29E-08	1.26E-07	1.26E-06
1333	490836.6	3859799	3.84E-03	4.14E-03	6.53E-03	1.33E-06	4.01E-06	2.32E-06	2.50E-06	2.27E-06	1.04E-06	1.63E-06	0.00E+00	0.00E+00	4.27E-07	8.50E-08	5.39E-07	8.32E-08	1.26E-07	1.26E-06
1334	492307.8	3854508	3.98E-03	4.30E-03	6.85E-03	1.38E-06	4.16E-06	2.41E-06	2.60E-06	2.36E-06	1.08E-06	1.72E-06	0.00E+00	0.00E+00	4.43E-07	8.83E-08	5.60E-07	8.64E-08	1.33E-07	1.31E-06
1335	486445.7	3854754	7.94E-03	8.57E-03	1.35E-02	2.75E-06	8.30E-06	4.81E-06	5.18E-06	4.70E-06	2.14E-06	3.39E-06	0.00E+00	0.00E+00	8.84E-07	1.76E-07	1.12E-06	1.72E-07	2.62E-07	2.61E-06
1336	472599.8	3877830	1.33E-04	1.44E-04	2.24E-04	4.61E-08	1.39E-07	8.07E-08	8.69E-08	7.88E-08	3.59E-08	5.62E-08	0.00E+00	0.00E+00	1.48E-08	2.95E-09	1.87E-08	2.89E-09	4.35E-09	4.37E-08
1337	493107.5	3866840	4.00E-04	4.31E-04	6.83E-04	1.38E-07	4.18E-07	2.42E-07	2.61E-07	2.37E-07	1.08E-07	1.71E-07	0.00E+00	0.00E+00	4.45E-08	8.86E-09	5.62E-08	8.67E-09	1.32E-08	1.31E-07
1338	495815.8	3861663	1.45E-03	1.57E-03	2.50E-03	5.03E-07	1.52E-06	8.78E-07	9.49E-07	8.60E-07	3.92E-07	6.25E-07	0.00E+00	0.00E+00	1.62E-07	3.22E-08	2.04E-07	3.15E-08	4.84E-08	4.78E-07
1339	480272.3	3841389	4.10E-05	4.42E-05	6.98E-05	1.42E-08	4.29E-08	2.48E-08	2.68E-08	2.43E-08	1.11E-08	1.75E-08	0.00E+00	0.00E+00	4.56E-09	9.08E-10	5.76E-09	8.89E-10	1.35E-09	1.35E-08
1340	497005.2	3862814	1.03E-03	1.12E-03	1.78E-03	3.58E-07	1.08E-06	6.25E-07	6.75E-07	6.12E-07	2.79E-07	4.45E-07	0.00E+00	0.00E+00	1.15E-07	2.29E-08	1.45E-07	2.24E-08	3.45E-08	3.40E-07
1341	493677.3	3860303	2.65E-03	2.86E-03	4.55E-03	9.16E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.87E-08	3.72E-07	5.74E-08	8.81E-08	8.71E-07
1342	493727.3	3860303	2.64E-03	2.85E-03	4.53E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.72E-08	8.78E-08	8.68E-07
1343	493777.3	3860303	2.63E-03	2.84E-03	4.52E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.83E-08	3.70E-07	5.71E-08	8.76E-08	8.66E-07
1344	493827.3	3860303	2.62E-03	2.83E-03	4.51E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.73E-08	8.63E-07
1345	493877.3	3860303	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.79E-08	3.68E-07	5.67E-08	8.70E-08	8.60E-07
1346	493927.3	3860303	2.60E-03	2.81E-03	4.47E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.67E-08	8.57E-07
1347	493977.3	3860303	2.60E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.65E-07	5.63E-08	8.65E-08	8.55E-07
1348	494027.3	3860303	2.59E-03	2.79E-03	4.45E-03	8.96E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.61E-08	8.62E-08	8.52E-07
1349	493677.3	3860353	2.60E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.65E-07	5.63E-08	8.64E-08	8.54E-07
1350	493727.3	3860353	2.59E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.61E-08	8.61E-08	8.51E-07
1351	493777.3	3860353	2.58E-03	2.78E-03	4.43E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.59E-08	8.58E-08	8.48E-07
1352	493827.3	3860353	2.57E-03	2.77E-03	4.42E-03	8.89E-07	2.69E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.70E-08	3.62E-07	5.57E-08	8.56E-08	8.46E-07
1353	493877.3	3860353	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.56E-08	8.53E-08	8.43E-07
1354	493927.3	3860353	2.55E-03	2.76E-03	4.39E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.67E-08	3.60E-07	5.54E-08	8.51E-08	8.41E-07
1355	493977.3	3860353	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.89E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.59E-07	5.53E-08	8.49E-08	8.39E-07
1356	494027.3	3860353	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.57E-07	5.51E-08	8.46E-08	8.36E-07
1357	493677.3	3860403	2.54E-03	2.74E-03	4.37E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.46E-08	8.37E-07
1358	493727.3	3860403	2.53E-03	2.74E-03	4.35E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.57E-07	5.50E-08	8.44E-08	8.34E-07
1359	493777.3	3860403	2.53E-03	2.73E-03	4.35E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.42E-08	8.33E-07
1360	493827.3	3860403	2.52E-03	2.72E-03	4.33E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.59E-08	3.55E-07	5.47E-08	8.39E-08	8.29E-07
1361	493877.3	3860403	2.51E-03	2.71E-03	4.32E-03	8.69E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.53E-07	5.45E-08	8.36E-08	8.27E-07

1362	493927.3	3860403	2.51E-03	2.71E-03	4.31E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.56E-08	3.53E-07	5.44E-08	8.35E-08	8.25E-07
1363	493977.3	3860403	2.50E-03	2.70E-03	4.30E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.55E-08	3.52E-07	5.43E-08	8.33E-08	8.24E-07
1364	494027.3	3860403	2.49E-03	2.69E-03	4.29E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.53E-08	3.51E-07	5.41E-08	8.30E-08	8.21E-07
1365	493677.3	3860453	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.60E-06	1.51E-06	1.63E-06	1.48E-06	6.73E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.53E-08	3.51E-07	5.41E-08	8.30E-08	8.20E-07
1366	493727.3	3860453	2.48E-03	2.68E-03	4.26E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.50E-08	3.49E-07	5.38E-08	8.26E-08	8.17E-07
1367	493777.3	3860453	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.49E-08	3.48E-07	5.37E-08	8.24E-08	8.14E-07
1368	493827.3	3860453	2.47E-03	2.67E-03	4.24E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.47E-07	5.36E-08	8.22E-08	8.13E-07
1369	493877.3	3860453	2.46E-03	2.66E-03	4.23E-03	8.53E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.47E-07	5.35E-08	8.21E-08	8.11E-07
1370	493927.3	3860453	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.46E-07	5.34E-08	8.20E-08	8.10E-07
1371	493977.3	3860453	2.45E-03	2.65E-03	4.22E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.06E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.32E-08	8.17E-08	8.08E-07
1372	494027.3	3860453	2.45E-03	2.64E-03	4.20E-03	8.46E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.31E-08	8.15E-08	8.05E-07
1373	493677.3	3860503	2.44E-03	2.64E-03	4.20E-03	8.45E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.30E-08	8.13E-08	8.04E-07
1374	493727.3	3860503	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.40E-08	3.42E-07	5.28E-08	8.10E-08	8.01E-07
1375	493777.3	3860503	2.43E-03	2.62E-03	4.17E-03	8.40E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.27E-08	8.08E-08	7.99E-07
1376	493827.3	3860503	2.42E-03	2.61E-03	4.16E-03	8.38E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.54E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.37E-08	3.41E-07	5.25E-08	8.06E-08	7.97E-07
1377	493877.3	3860503	2.42E-03	2.61E-03	4.15E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.36E-08	3.40E-07	5.24E-08	8.04E-08	7.95E-07
1378	493927.3	3860503	2.41E-03	2.60E-03	4.15E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.35E-08	3.39E-07	5.23E-08	8.04E-08	7.94E-07
1379	493977.3	3860503	2.40E-03	2.60E-03	4.13E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.50E-07	1.03E-06	0.00E+00	0.00E+00	2.68E-07	5.33E-08	3.38E-07	5.22E-08	8.01E-08	7.92E-07
1380	494027.3	3860503	2.40E-03	2.59E-03	4.12E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.37E-07	5.20E-08	7.99E-08	7.89E-07
1381	493627.3	3860553	2.40E-03	2.59E-03	4.12E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.38E-07	5.21E-08	7.99E-08	7.90E-07
1382	493677.3	3860553	2.39E-03	2.58E-03	4.11E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.36E-07	5.19E-08	7.96E-08	7.87E-07
1383	493727.3	3860553	2.38E-03	2.57E-03	4.09E-03	8.25E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.02E-06	0.00E+00	0.00E+00	2.65E-07	5.28E-08	3.35E-07	5.17E-08	7.93E-08	7.84E-07
1384	493777.3	3860553	2.38E-03	2.57E-03	4.08E-03	8.23E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	0.00E+00	0.00E+00	2.65E-07	5.27E-08	3.35E-07	5.16E-08	7.92E-08	7.83E-07
1385	493827.3	3860553	2.37E-03	2.56E-03	4.08E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.34E-07	5.15E-08	7.90E-08	7.81E-07
1386	493877.3	3860553	2.37E-03	2.56E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.25E-08	3.33E-07	5.14E-08	7.88E-08	7.79E-07
1387	493927.3	3860553	2.36E-03	2.55E-03	4.06E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.24E-08	3.32E-07	5.13E-08	7.87E-08	7.78E-07
1388	493977.3	3860553	2.36E-03	2.55E-03	4.05E-03	8.16E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	0.00E+00	0.00E+00	2.63E-07	5.23E-08	3.32E-07	5.12E-08	7.86E-08	7.76E-07
1389	494027.3	3860553	2.35E-03	2.54E-03	4.04E-03	8.14E-07	2.46E-06	1.42E-06	1.54E-06	1.39E-06	6.35E-07	1.01E-06	0.00E+00	0.00E+00	2.62E-07	5.21E-08	3.31E-07	5.10E-08	7.83E-08	7.74E-07
1390	493627.3	3860603	2.35E-03	2.54E-03	4.04E-03	8.13E-07	2.46E-06	1.42E-06	1.53E-06	1.39E-06	6.35E-07	1.01E-06	0.00E+00	0.00E+00	2.62E-07	5.21E-08	3.31E-07	5.10E-08	7.82E-08	7.73E-07
1391	493727.3	3860603	2.33E-03	2.52E-03	4.00E-03	8.07E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.17E-08	3.28E-07	5.06E-08	7.76E-08	7.67E-07
1392	493777.3	3860603	2.33E-03	2.52E-03	4.00E-03	8.06E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.17E-08	3.28E-07	5.06E-08	7.76E-08	7.67E-07
1393	493827.3	3860603	2.32E-03	2.51E-03	3.99E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	9.99E-07	0.00E+00	0.00E+00	2.59E-07	5.15E-08	3.27E-07	5.04E-08	7.74E-08	7.65E-07
1394	493877.3	3860603	2.32E-03	2.51E-03	3.99E-03	8.04E-07	2.43E-06	1.40E-06	1.52E-06	1.38E-06	6.27E-07	9.99E-07	0.00E+00	0.00E+00	2.58E-07	5.15E-08	3.27E-07	5.04E-08	7.73E-08	7.64E-07
1395	493927.3	3860603	2.32E-03	2.50E-03	3.98E-03	8.02E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.97E-07	0.00E+00	0.00E+00	2.58E-07	5.14E-08	3.26E-07	5.03E-08	7.72E-08	7.63E-07
1396	493977.3	3860603	2.31E-03	2.50E-03	3.98E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.95E-07	0.00E+00	0.00E+00	2.57E-07	5.13E-08	3.25E-07	5.02E-08	7.70E-08	7.61E-07
1397	494027.3	3860603	2.31E-03	2.49E-03	3.96E-03	7.98E-07	2.41E-06	1.39E-06	1.51E-06	1.37E-06	6.23E-07	9.92E-07	0.00E+00	0.00E+00	2.57E-07	5.11E-08	3.24E-07	5.00E-08	7.68E-08	7.59E-07
1398	493627.3	3860653	2.30E-03	2.48E-03	3.95E-03	7.96E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.21E-07	9.88E-07	0.00E+00	0.00E+00	2.56E-07	5.10E-08	3.24E-07	4.99E-08	7.65E-08	7.57E-07
1399	493727.3	3860653	2.28E-03	2.46E-03	3.92E-03	7.90E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.81E-07	0.00E+00	0.00E+00	2.54E-07	5.06E-08	3.21E-07	4.95E-08	7.60E-08	7.51E-07
1400	493777.3	3860653	2.28E-03	2.46E-03	3.92E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.80E-07	0.00E+00	0.00E+00	2.54E-07	5.06E-08	3.21E-07	4.95E-08	7.59E-08	7.51E-07
1401	493827.3	3860653	2.28E-03	2.46E-03	3.91E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.79E-07	0.00E+00	0.00E+00	2.54E-07	5.05E-08	3.21E-07	4.94E-08	7.58E-08	7.50E-07
1402	493877.3	3860653	2.28E-03	2.46E-03	3.91E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.79E-07	0.00E+00	0.00E+00	2.53E-07	5.05E-08	3.20E-07	4.94E-08	7.58E-08	7.49E-07
1403	493927.3	3860653	2.27E-03	2.45E-03	3.90E-03	7.86E-07	2.37E-06	1.37E-06	1.48E-06	1.35E-06	6.14E-07	9.77E-07	0.00E+00	0.00E+00	2.53E-07	5.04E-08	3.20E-07	4.93E-08	7.57E-08	7.48E-07
1404	493977.3	3860653	2.27E-03	2.45E-03	3.90E-03	7.85E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.75E-07	0.00E+00	0.00E+00	2.52E-07	5.03E-08	3.19E-07	4.92E-08	7.55E-08	7.46E-07
1405	494027.3	3860653	2.26E-03	2.44E-03	3.89E-03	7.84E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.74E-07	0.00E+00	0.00E+00	2.52E-07	5.02E-08	3.19E-07	4.91E-08	7.54E-08	7.45E-07
1406	494311.1	3858402	2.58E-03	2.78E-03	4.43E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.59E-08	8.59E-08	8.49E-07
1407	494361.1	3858402	2.53E-03	2.73E-03	4.35E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.43E-08	8.33E-07
1408	494411.1	3858402	2.50E-03	2.70E-03	4.30E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.52E-07	5.42E-08	8.33E-08	8.23E-07
1409	494461.1	3858402	2.48E-03	2.68E-03	4.27E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.51E-08	3.50E-07	5.39E-08	8.27E-08	8.18E-07
1410	494511.1	3858402	2.45E-03	2.65E-03	4.21E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.43E-08	3.45E-07	5.32E-08	8.16E-08	8.07E-07
1411	494561.1	3858402	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.40E-08	3.42E-07	5.28E-08	8.11E-08	8.01E-07
1412	494611.1	3858402	2.40E-03	2.59E-03	4.12E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.38E-07	5.21E-08	7.99E-08	7.90E-07
1413	494661.1	3858402	2.37E-03	2.56E-03	4.08E-03	8.21E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.41E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.34E-07	5.14E-08	7.90E-08	7.81E-07
1414	494711.1	3858402	2.33E-03	2.51E-03	4.00E-03	8.06E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.29E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.16E-08	3.28E-07	5.05E-08	7.75E-08	7.66E-07
1415	494761.1	3858402	2.31E-03	2.49E-03	3.96E-03	7.98E-07	2.41E-06	1.39E-06	1.51E-06	1.37E-06	6.23E-07	9.92E-07	0.00E+00	0.00E+00	2.57E-07	5.11E-08	3.24E-07	5.00E-08	7.68E-08	7.59E-07
1416	494811.1	3858402	2.27E-03	2.45E-03	3.91E-03	7.87E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.14E-07	9.78E-07	0.00E+00	0.00E+00	2.53E-07	5.04E-08	3.20E-07	4.93E-08	7.57E-08	7.48E-07
1417	494861.1	3858402	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.66E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.87E-08	7.48E-08	7.39E-07
1418	494911.1	3858402	2.22E-03	2.39E-03	3.81E-03	7.67E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	5.99E-07	9.53E-07	0.00E+00	0.00E+00	2.47E-07	4.92E-08	3.12E-07	4.81E-08	7.38E-08	7.30E-07

1419	494961.1	3858402	2.19E-03	2.36E-03	3.76E-03	7.57E-07	2.29E-06	1.32E-06	1.43E-06	1.30E-06	5.91E-07	9.41E-07	0.00E+00	0.00E+00	2.43E-07	4.85E-08	3.08E-07	4.75E-08	7.28E-08	7.20E-07
1420	495011.1	3858402	2.15E-03	2.32E-03	3.70E-03	7.44E-07	2.25E-06	1.30E-06	1.40E-06	1.27E-06	5.81E-07	9.25E-07	0.00E+00	0.00E+00	2.39E-07	4.77E-08	3.03E-07	4.67E-08	7.16E-08	7.08E-07
1421	495061.1	3858402	2.12E-03	2.29E-03	3.64E-03	7.34E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.73E-07	9.12E-07	0.00E+00	0.00E+00	2.36E-07	4.70E-08	2.98E-07	4.60E-08	7.06E-08	6.98E-07
1422	495111.1	3858402	2.07E-03	2.23E-03	3.55E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.59E-07	8.89E-07	0.00E+00	0.00E+00	2.30E-07	4.58E-08	2.91E-07	4.49E-08	6.88E-08	6.80E-07
1423	495161.1	3858402	2.06E-03	2.22E-03	3.53E-03	7.12E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.56E-07	8.84E-07	0.00E+00	0.00E+00	2.29E-07	4.56E-08	2.89E-07	4.46E-08	6.85E-08	6.77E-07
1424	495211.1	3858402	2.01E-03	2.17E-03	3.45E-03	6.96E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.43E-07	8.64E-07	0.00E+00	0.00E+00	2.24E-07	4.46E-08	2.83E-07	4.36E-08	6.69E-08	6.62E-07
1425	495261.1	3858402	1.98E-03	2.14E-03	3.41E-03	6.87E-07	2.07E-06	1.20E-06	1.30E-06	1.18E-06	5.36E-07	8.54E-07	0.00E+00	0.00E+00	2.21E-07	4.40E-08	2.79E-07	4.31E-08	6.61E-08	6.53E-07
1426	495311.1	3858402	1.96E-03	2.11E-03	3.36E-03	6.78E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.29E-07	8.42E-07	0.00E+00	0.00E+00	2.18E-07	4.34E-08	2.76E-07	4.25E-08	6.52E-08	6.45E-07
1427	495361.1	3858402	1.94E-03	2.09E-03	3.33E-03	6.71E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.34E-07	0.00E+00	0.00E+00	2.16E-07	4.30E-08	2.73E-07	4.21E-08	6.46E-08	6.38E-07
1428	495411.1	3858402	1.93E-03	2.08E-03	3.31E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.29E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.71E-07	4.19E-08	6.42E-08	6.35E-07
1429	495461.1	3858402	1.92E-03	2.07E-03	3.30E-03	6.65E-07	2.01E-06	1.16E-06	1.26E-06	1.14E-06	5.19E-07	8.26E-07	0.00E+00	0.00E+00	2.14E-07	4.26E-08	2.70E-07	4.17E-08	6.40E-08	6.32E-07
1430	495511.1	3858402	1.91E-03	2.06E-03	3.28E-03	6.62E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.16E-07	8.22E-07	0.00E+00	0.00E+00	2.13E-07	4.24E-08	2.69E-07	4.15E-08	6.36E-08	6.29E-07
1431	495561.1	3858402	1.89E-03	2.04E-03	3.24E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.11E-07	0.00E+00	0.00E+00	2.10E-07	4.18E-08	2.65E-07	4.09E-08	6.28E-08	6.21E-07
1432	495611.1	3858402	1.88E-03	2.03E-03	3.22E-03	6.49E-07	1.96E-06	1.13E-06	1.23E-06	1.11E-06	5.07E-07	8.07E-07	0.00E+00	0.00E+00	2.09E-07	4.16E-08	2.64E-07	4.07E-08	6.25E-08	6.17E-07
1433	495661.1	3858402	1.89E-03	2.04E-03	3.24E-03	6.53E-07	1.97E-06	1.14E-06	1.23E-06	1.12E-06	5.10E-07	8.12E-07	0.00E+00	0.00E+00	2.10E-07	4.19E-08	2.66E-07	4.10E-08	6.28E-08	6.21E-07
1434	494311.1	3858452	2.63E-03	2.84E-03	4.52E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.83E-08	3.70E-07	5.70E-08	8.76E-08	8.65E-07
1435	494361.1	3858452	2.59E-03	2.80E-03	4.45E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.62E-08	8.63E-08	8.53E-07
1436	494411.1	3858452	2.56E-03	2.76E-03	4.40E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.52E-08	8.42E-07
1437	494461.1	3858452	2.53E-03	2.73E-03	4.35E-03	8.76E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.43E-08	8.33E-07
1438	494511.1	3858452	2.51E-03	2.71E-03	4.32E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.53E-07	5.45E-08	8.37E-08	8.27E-07
1439	494561.1	3858452	2.48E-03	2.67E-03	4.26E-03	8.57E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.49E-08	3.48E-07	5.37E-08	8.25E-08	8.15E-07
1440	494611.1	3858452	2.45E-03	2.65E-03	4.21E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.43E-08	3.45E-07	5.32E-08	8.16E-08	8.06E-07
1441	494661.1	3858452	2.42E-03	2.61E-03	4.16E-03	8.38E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.54E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.37E-08	3.41E-07	5.25E-08	8.06E-08	7.97E-07
1442	494711.1	3858452	2.38E-03	2.57E-03	4.10E-03	8.25E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.03E-06	0.00E+00	0.00E+00	2.65E-07	5.29E-08	3.35E-07	5.17E-08	7.94E-08	7.85E-07
1443	494761.1	3858452	2.35E-03	2.53E-03	4.04E-03	8.13E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.21E-08	3.30E-07	5.09E-08	7.82E-08	7.73E-07
1444	494811.1	3858452	2.32E-03	2.50E-03	3.98E-03	8.02E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.97E-07	0.00E+00	0.00E+00	2.58E-07	5.14E-08	3.26E-07	5.03E-08	7.72E-08	7.63E-07
1445	494861.1	3858452	2.28E-03	2.47E-03	3.93E-03	7.91E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.82E-07	0.00E+00	0.00E+00	2.54E-07	5.06E-08	3.21E-07	4.96E-08	7.61E-08	7.52E-07
1446	494911.1	3858452	2.24E-03	2.42E-03	3.85E-03	7.76E-07	2.34E-06	1.36E-06	1.47E-06	1.33E-06	6.06E-07	9.65E-07	0.00E+00	0.00E+00	2.50E-07	4.97E-08	3.16E-07	4.87E-08	7.47E-08	7.38E-07
1447	494961.1	3858452	2.21E-03	2.38E-03	3.80E-03	7.64E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.50E-07	0.00E+00	0.00E+00	2.46E-07	4.90E-08	3.11E-07	4.79E-08	7.36E-08	7.27E-07
1448	495011.1	3858452	2.17E-03	2.34E-03	3.73E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.33E-07	0.00E+00	0.00E+00	2.41E-07	4.81E-08	3.05E-07	4.71E-08	7.22E-08	7.14E-07
1449	495061.1	3858452	2.15E-03	2.32E-03	3.70E-03	7.44E-07	2.25E-06	1.30E-06	1.40E-06	1.27E-06	5.81E-07	9.25E-07	0.00E+00	0.00E+00	2.39E-07	4.77E-08	3.03E-07	4.67E-08	7.16E-08	7.08E-07
1450	495111.1	3858452	2.11E-03	2.28E-03	3.63E-03	7.31E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.08E-07	0.00E+00	0.00E+00	2.35E-07	4.68E-08	2.97E-07	4.58E-08	7.03E-08	6.95E-07
1451	495161.1	3858452	2.07E-03	2.23E-03	3.56E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.90E-07	0.00E+00	0.00E+00	2.30E-07	4.59E-08	2.91E-07	4.49E-08	6.89E-08	6.81E-07
1452	495211.1	3858452	2.03E-03	2.19E-03	3.49E-03	7.03E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.73E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.86E-07	4.41E-08	6.76E-08	6.69E-07
1453	495261.1	3858452	2.01E-03	2.17E-03	3.45E-03	6.94E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.63E-07	0.00E+00	0.00E+00	2.23E-07	4.45E-08	2.82E-07	4.35E-08	6.68E-08	6.60E-07
1454	495311.1	3858452	1.99E-03	2.14E-03	3.41E-03	6.87E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.37E-07	8.54E-07	0.00E+00	0.00E+00	2.21E-07	4.40E-08	2.79E-07	4.31E-08	6.61E-08	6.54E-07
1455	495361.1	3858452	1.97E-03	2.12E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.46E-07	0.00E+00	0.00E+00	2.19E-07	4.36E-08	2.77E-07	4.27E-08	6.55E-08	6.48E-07
1456	495411.1	3858452	1.96E-03	2.12E-03	3.37E-03	6.78E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.29E-07	8.43E-07	0.00E+00	0.00E+00	2.18E-07	4.35E-08	2.76E-07	4.25E-08	6.52E-08	6.45E-07
1457	495461.1	3858452	1.95E-03	2.11E-03	3.36E-03	6.76E-07	2.04E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.40E-07	0.00E+00	0.00E+00	2.17E-07	4.33E-08	2.75E-07	4.24E-08	6.50E-08	6.43E-07
1458	495511.1	3858452	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.31E-07	0.00E+00	0.00E+00	2.15E-07	4.29E-08	2.72E-07	4.19E-08	6.43E-08	6.36E-07
1459	495561.1	3858452	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.32E-07	0.00E+00	0.00E+00	2.15E-07	4.29E-08	2.72E-07	4.20E-08	6.44E-08	6.37E-07
1460	495611.1	3858452	1.91E-03	2.06E-03	3.28E-03	6.61E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.16E-07	8.21E-07	0.00E+00	0.00E+00	2.13E-07	4.23E-08	2.69E-07	4.14E-08	6.36E-08	6.29E-07
1461	495661.1	3858452	1.91E-03	2.06E-03	3.27E-03	6.60E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.19E-07	0.00E+00	0.00E+00	2.12E-07	4.23E-08	2.68E-07	4.13E-08	6.34E-08	6.27E-07
1462	494311.1	3858502	2.64E-03	2.85E-03	4.53E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.71E-07	5.72E-08	8.78E-08	8.68E-07
1463	494361.1	3858502	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.79E-08	3.67E-07	5.66E-08	8.69E-08	8.59E-07
1464	494411.1	3858502	2.58E-03	2.79E-03	4.44E-03	8.93E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.97E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.60E-08	8.60E-08	8.49E-07
1465	494461.1	3858502	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.56E-08	8.53E-08	8.43E-07
1466	494511.1	3858502	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.82E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.59E-08	3.55E-07	5.47E-08	8.40E-08	8.30E-07
1467	494561.1	3858502	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.82E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.60E-08	3.55E-07	5.48E-08	8.41E-08	8.31E-07
1468	494611.1	3858502	2.49E-03	2.69E-03	4.28E-03	8.62E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.73E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.52E-08	3.50E-07	5.40E-08	8.30E-08	8.20E-07
1469	494661.1	3858502	2.47E-03	2.66E-03	4.24E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.47E-08	3.47E-07	5.36E-08	8.22E-08	8.12E-07
1470	494711.1	3858502	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.70E-07	5.39E-08	3.42E-07	5.27E-08	8.10E-08	8.00E-07
1471	494761.1	3858502	2.39E-03	2.58E-03	4.10E-03	8.26E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.29E-08	3.36E-07	5.18E-08	7.95E-08	7.86E-07
1472	494811.1	3858502	2.35E-03	2.54E-03	4.04E-03	8.13E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.35E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.21E-08	3.30E-07	5.10E-08	7.82E-08	7.73E-07
1473	494861.1	3858502	2.32E-03	2.51E-03	3.99E-03	8.04E-07	2.43E-06	1.40E-06	1.52E-06	1.37E-06	6.27E-07	9.99E-07	0.00E+00	0.00E+00	2.58E-07	5.15E-08	3.27E-07	5.04E-08	7.73E-08	7.64E-07
1474	494911.1	3858502	2.27E-03	2.45E-03	3.90E-03	7.85E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.76E-07	0.00E+00	0.00E+00	2.53E-07	5.03E-08	3.19E-07	4.92E-08	7.56E-08	7.47E-07
1475	494961.1	3858502	2.24E-03	2.42E-03	3.85E-03	7.76E-07	2.34E-06	1.36E-06	1.46E-06	1.33E-06	6.06E-07	9.64E-07	0.00E+00	0.00E+00	2.50E-07	4.97E-08	3.15E-07	4.86E-08	7.47E-08	7.38E-07

1476	495011.1	3858502	2.20E-03	2.37E-03	3.77E-03	7.60E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.45E-07	0.00E+00	0.00E+00	2.44E-07	4.87E-08	3.09E-07	4.77E-08	7.32E-08	7.23E-07
1477	495061.1	3858502	2.18E-03	2.35E-03	3.74E-03	7.54E-07	2.28E-06	1.32E-06	1.42E-06	1.29E-06	5.88E-07	9.36E-07	0.00E+00	0.00E+00	2.42E-07	4.83E-08	3.06E-07	4.72E-08	7.25E-08	7.17E-07
1478	495111.1	3858502	2.12E-03	2.29E-03	3.65E-03	7.35E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.74E-07	9.13E-07	0.00E+00	0.00E+00	2.36E-07	4.71E-08	2.99E-07	4.61E-08	7.07E-08	6.99E-07
1479	495161.1	3858502	2.09E-03	2.25E-03	3.59E-03	7.23E-07	2.18E-06	1.26E-06	1.36E-06	1.24E-06	5.64E-07	8.98E-07	0.00E+00	0.00E+00	2.32E-07	4.63E-08	2.94E-07	4.53E-08	6.95E-08	6.87E-07
1480	495211.1	3858502	2.05E-03	2.22E-03	3.53E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.55E-07	8.83E-07	0.00E+00	0.00E+00	2.29E-07	4.55E-08	2.89E-07	4.46E-08	6.84E-08	6.76E-07
1481	495261.1	3858502	2.03E-03	2.19E-03	3.49E-03	7.02E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.48E-07	8.72E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.85E-07	4.40E-08	6.76E-08	6.68E-07
1482	495311.1	3858502	2.01E-03	2.17E-03	3.46E-03	6.97E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.66E-07	0.00E+00	0.00E+00	2.24E-07	4.47E-08	2.83E-07	4.37E-08	6.71E-08	6.63E-07
1483	495361.1	3858502	2.00E-03	2.16E-03	3.44E-03	6.92E-07	2.09E-06	1.21E-06	1.31E-06	1.18E-06	5.41E-07	8.60E-07	0.00E+00	0.00E+00	2.23E-07	4.44E-08	2.81E-07	4.34E-08	6.66E-08	6.58E-07
1484	495411.1	3858502	1.99E-03	2.15E-03	3.42E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.38E-07	8.56E-07	0.00E+00	0.00E+00	2.22E-07	4.41E-08	2.80E-07	4.32E-08	6.63E-08	6.55E-07
1485	495461.1	3858502	1.98E-03	2.14E-03	3.41E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.52E-07	0.00E+00	0.00E+00	2.21E-07	4.39E-08	2.79E-07	4.30E-08	6.60E-08	6.52E-07
1486	495511.1	3858502	1.97E-03	2.13E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.46E-07	0.00E+00	0.00E+00	2.19E-07	4.36E-08	2.77E-07	4.27E-08	6.55E-08	6.48E-07
1487	495561.1	3858502	1.97E-03	2.13E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.47E-07	0.00E+00	0.00E+00	2.19E-07	4.37E-08	2.77E-07	4.27E-08	6.55E-08	6.48E-07
1488	495611.1	3858502	1.94E-03	2.10E-03	3.34E-03	6.73E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.25E-07	8.36E-07	0.00E+00	0.00E+00	2.16E-07	4.31E-08	2.73E-07	4.22E-08	6.47E-08	6.40E-07
1489	495661.1	3858502	1.94E-03	2.10E-03	3.34E-03	6.73E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.25E-07	8.36E-07	0.00E+00	0.00E+00	2.16E-07	4.31E-08	2.73E-07	4.22E-08	6.47E-08	6.40E-07
1490	494311.1	3858552	2.59E-03	2.79E-03	4.45E-03	8.96E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.62E-08	8.62E-08	8.52E-07
1491	494361.1	3858552	2.60E-03	2.81E-03	4.47E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.67E-08	8.57E-07
1492	494411.1	3858552	2.62E-03	2.83E-03	4.50E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.73E-08	8.62E-07
1493	494461.1	3858552	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.79E-08	3.67E-07	5.66E-08	8.70E-08	8.59E-07
1494	494511.1	3858552	2.59E-03	2.79E-03	4.45E-03	8.96E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.62E-08	8.62E-08	8.52E-07
1495	494561.1	3858552	2.57E-03	2.77E-03	4.41E-03	8.89E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.56E-08	8.45E-07
1496	494611.1	3858552	2.54E-03	2.74E-03	4.37E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.50E-06	6.87E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.58E-07	5.51E-08	8.47E-08	8.37E-07
1497	494661.1	3858552	2.52E-03	2.72E-03	4.33E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.38E-08	8.29E-07
1498	494711.1	3858552	2.47E-03	2.67E-03	4.25E-03	8.57E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.49E-08	3.48E-07	5.37E-08	8.24E-08	8.15E-07
1499	494761.1	3858552	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.39E-08	3.42E-07	5.28E-08	8.10E-08	8.01E-07
1500	494811.1	3858552	2.40E-03	2.59E-03	4.13E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.38E-07	5.21E-08	7.99E-08	7.90E-07
1501	494861.1	3858552	2.36E-03	2.55E-03	4.05E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	0.00E+00	0.00E+00	2.63E-07	5.23E-08	3.32E-07	5.12E-08	7.86E-08	7.76E-07
1502	494911.1	3858552	2.31E-03	2.50E-03	3.97E-03	8.00E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.95E-07	0.00E+00	0.00E+00	2.57E-07	5.13E-08	3.25E-07	5.02E-08	7.70E-08	7.61E-07
1503	494961.1	3858552	2.27E-03	2.46E-03	3.91E-03	7.87E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.79E-07	0.00E+00	0.00E+00	2.53E-07	5.04E-08	3.20E-07	4.94E-08	7.58E-08	7.49E-07
1504	495011.1	3858552	2.23E-03	2.41E-03	3.83E-03	7.71E-07	2.33E-06	1.35E-06	1.46E-06	1.32E-06	6.02E-07	9.58E-07	0.00E+00	0.00E+00	2.48E-07	4.94E-08	3.13E-07	4.83E-08	7.42E-08	7.33E-07
1505	495061.1	3858552	2.20E-03	2.37E-03	3.78E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.46E-07	0.00E+00	0.00E+00	2.45E-07	4.88E-08	3.09E-07	4.77E-08	7.33E-08	7.24E-07
1506	495111.1	3858552	2.14E-03	2.32E-03	3.68E-03	7.42E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.79E-07	9.22E-07	0.00E+00	0.00E+00	2.39E-07	4.75E-08	3.02E-07	4.65E-08	7.14E-08	7.06E-07
1507	495161.1	3858552	2.11E-03	2.28E-03	3.62E-03	7.30E-07	2.20E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.07E-07	0.00E+00	0.00E+00	2.35E-07	4.68E-08	2.97E-07	4.58E-08	7.02E-08	6.94E-07
1508	495211.1	3858552	2.08E-03	2.24E-03	3.57E-03	7.19E-07	2.17E-06	1.26E-06	1.36E-06	1.23E-06	5.61E-07	8.93E-07	0.00E+00	0.00E+00	2.31E-07	4.61E-08	2.92E-07	4.51E-08	6.92E-08	6.84E-07
1509	495261.1	3858552	2.06E-03	2.22E-03	3.53E-03	7.12E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.56E-07	8.84E-07	0.00E+00	0.00E+00	2.29E-07	4.56E-08	2.89E-07	4.46E-08	6.85E-08	6.77E-07
1510	495311.1	3858552	2.04E-03	2.21E-03	3.51E-03	7.08E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.52E-07	8.79E-07	0.00E+00	0.00E+00	2.28E-07	4.53E-08	2.88E-07	4.44E-08	6.81E-08	6.73E-07
1511	495361.1	3858552	2.03E-03	2.19E-03	3.49E-03	7.03E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.73E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.86E-07	4.41E-08	6.76E-08	6.69E-07
1512	495411.1	3858552	2.02E-03	2.19E-03	3.48E-03	7.01E-07	2.12E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.71E-07	0.00E+00	0.00E+00	2.25E-07	4.49E-08	2.85E-07	4.39E-08	6.74E-08	6.66E-07
1513	495461.1	3858552	2.01E-03	2.17E-03	3.46E-03	6.97E-07	2.10E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.66E-07	0.00E+00	0.00E+00	2.24E-07	4.46E-08	2.83E-07	4.37E-08	6.70E-08	6.63E-07
1514	495511.1	3858552	2.01E-03	2.17E-03	3.45E-03	6.95E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.63E-07	0.00E+00	0.00E+00	2.23E-07	4.45E-08	2.82E-07	4.36E-08	6.68E-08	6.61E-07
1515	495561.1	3858552	2.00E-03	2.16E-03	3.43E-03	6.91E-07	2.09E-06	1.21E-06	1.30E-06	1.18E-06	5.39E-07	8.58E-07	0.00E+00	0.00E+00	2.22E-07	4.43E-08	2.81E-07	4.33E-08	6.65E-08	6.57E-07
1516	495611.1	3858552	1.98E-03	2.14E-03	3.41E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.36E-07	8.53E-07	0.00E+00	0.00E+00	2.21E-07	4.40E-08	2.79E-07	4.30E-08	6.60E-08	6.53E-07
1517	495661.1	3858552	1.97E-03	2.12E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.46E-07	0.00E+00	0.00E+00	2.19E-07	4.36E-08	2.77E-07	4.27E-08	6.55E-08	6.47E-07
1518	494311.1	3858602	2.47E-03	2.67E-03	4.24E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.47E-08	3.47E-07	5.36E-08	8.22E-08	8.13E-07
1519	494361.1	3858602	2.58E-03	2.79E-03	4.44E-03	8.94E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.73E-08	3.63E-07	5.61E-08	8.61E-08	8.50E-07
1520	494411.1	3858602	2.67E-03	2.89E-03	4.60E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.15E-06	0.00E+00	0.00E+00	2.98E-07	5.93E-08	3.76E-07	5.80E-08	8.91E-08	8.80E-07
1521	494461.1	3858602	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.75E-07	5.78E-08	8.87E-08	8.77E-07
1522	494511.1	3858602	2.63E-03	2.84E-03	4.52E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.70E-07	5.70E-08	8.75E-08	8.65E-07
1523	494561.1	3858602	2.63E-03	2.84E-03	4.52E-03	9.09E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.70E-07	5.70E-08	8.75E-08	8.65E-07
1524	494611.1	3858602	2.59E-03	2.80E-03	4.45E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.62E-08	8.63E-08	8.53E-07
1525	494661.1	3858602	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.93E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.61E-07	5.56E-08	8.54E-08	8.44E-07
1526	494711.1	3858602	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.82E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.59E-08	3.55E-07	5.47E-08	8.41E-08	8.31E-07
1527	494761.1	3858602	2.48E-03	2.68E-03	4.27E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.50E-08	3.49E-07	5.39E-08	8.27E-08	8.17E-07
1528	494811.1	3858602	2.42E-03	2.62E-03	4.17E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.37E-08	3.41E-07	5.26E-08	8.07E-08	7.98E-07
1529	494861.1	3858602	2.39E-03	2.58E-03	4.11E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.37E-07	5.19E-08	7.97E-08	7.87E-07
1530	494911.1	3858602	2.34E-03	2.52E-03	4.02E-03	8.09E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.32E-07	1.01E-06	0.00E+00	0.00E+00	2.60E-07	5.18E-08	3.29E-07	5.07E-08	7.79E-08	7.70E-07
1531	494961.1	3858602	2.30E-03	2.48E-03	3.95E-03	7.96E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.22E-07	9.90E-07	0.00E+00	0.00E+00	2.56E-07	5.10E-08	3.24E-07	4.99E-08	7.66E-08	7.57E-07
1532	495011.1	3858602	2.26E-03	2.44E-03	3.89E-03	7.83E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.11E-07	9.73E-07	0.00E+00	0.00E+00	2.52E-07	5.02E-08	3.18E-07	4.91E-08	7.53E-08	7.45E-07

1533	495061.1	3858602	2.22E-03	2.40E-03	3.82E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.32E-06	6.00E-07	9.55E-07	0.00E+00	0.00E+00	2.47E-07	4.93E-08	3.13E-07	4.82E-08	7.40E-08	7.31E-07
1534	495111.1	3858602	2.16E-03	2.34E-03	3.72E-03	7.49E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.30E-07	0.00E+00	0.00E+00	2.41E-07	4.80E-08	3.04E-07	4.69E-08	7.20E-08	7.12E-07
1535	495161.1	3858602	2.13E-03	2.30E-03	3.66E-03	7.38E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.76E-07	9.16E-07	0.00E+00	0.00E+00	2.37E-07	4.72E-08	3.00E-07	4.62E-08	7.10E-08	7.01E-07
1536	495211.1	3858602	2.11E-03	2.28E-03	3.63E-03	7.30E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.07E-07	0.00E+00	0.00E+00	2.35E-07	4.68E-08	2.97E-07	4.58E-08	7.03E-08	6.95E-07
1537	495261.1	3858602	2.09E-03	2.25E-03	3.59E-03	7.22E-07	2.18E-06	1.26E-06	1.36E-06	1.24E-06	5.64E-07	8.97E-07	0.00E+00	0.00E+00	2.32E-07	4.63E-08	2.94E-07	4.53E-08	6.95E-08	6.87E-07
1538	495311.1	3858602	2.07E-03	2.23E-03	3.56E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.90E-07	0.00E+00	0.00E+00	2.30E-07	4.59E-08	2.91E-07	4.49E-08	6.89E-08	6.81E-07
1539	495361.1	3858602	2.06E-03	2.22E-03	3.54E-03	7.13E-07	2.15E-06	1.25E-06	1.35E-06	1.22E-06	5.56E-07	8.85E-07	0.00E+00	0.00E+00	2.29E-07	4.57E-08	2.90E-07	4.47E-08	6.86E-08	6.78E-07
1540	495411.1	3858602	2.05E-03	2.21E-03	3.52E-03	7.09E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.54E-07	8.81E-07	0.00E+00	0.00E+00	2.28E-07	4.54E-08	2.88E-07	4.45E-08	6.82E-08	6.74E-07
1541	495461.1	3858602	2.04E-03	2.20E-03	3.51E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.78E-07	0.00E+00	0.00E+00	2.27E-07	4.53E-08	2.87E-07	4.43E-08	6.80E-08	6.72E-07
1542	495511.1	3858602	2.02E-03	2.18E-03	3.48E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.70E-07	0.00E+00	0.00E+00	2.25E-07	4.49E-08	2.85E-07	4.39E-08	6.74E-08	6.66E-07
1543	495561.1	3858602	2.02E-03	2.18E-03	3.47E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.68E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.38E-08	6.72E-08	6.65E-07
1544	495611.1	3858602	2.00E-03	2.16E-03	3.43E-03	6.92E-07	2.09E-06	1.21E-06	1.31E-06	1.18E-06	5.40E-07	8.59E-07	0.00E+00	0.00E+00	2.22E-07	4.43E-08	2.81E-07	4.34E-08	6.66E-08	6.58E-07
1545	495661.1	3858602	1.99E-03	2.15E-03	3.42E-03	6.89E-07	2.08E-06	1.21E-06	1.30E-06	1.18E-06	5.38E-07	8.57E-07	0.00E+00	0.00E+00	2.22E-07	4.42E-08	2.80E-07	4.32E-08	6.63E-08	6.56E-07
1546	494311.1	3858652	2.44E-03	2.64E-03	4.20E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.30E-08	8.14E-08	8.04E-07
1547	494361.1	3858652	2.55E-03	2.76E-03	4.39E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.67E-08	3.60E-07	5.54E-08	8.51E-08	8.41E-07
1548	494411.1	3858652	2.69E-03	2.90E-03	4.63E-03	9.31E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.97E-08	3.79E-07	5.84E-08	8.97E-08	8.86E-07
1549	494461.1	3858652	2.70E-03	2.92E-03	4.65E-03	9.36E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.81E-07	5.87E-08	9.01E-08	8.90E-07
1550	494511.1	3858652	2.68E-03	2.90E-03	4.61E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	0.00E+00	0.00E+00	2.98E-07	5.95E-08	3.77E-07	5.82E-08	8.94E-08	8.83E-07
1551	494561.1	3858652	2.67E-03	2.88E-03	4.58E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.79E-08	8.89E-08	8.78E-07
1552	494611.1	3858652	2.64E-03	2.85E-03	4.55E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.14E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.74E-08	8.81E-08	8.70E-07
1553	494661.1	3858652	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.55E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.79E-08	3.67E-07	5.66E-08	8.70E-08	8.59E-07
1554	494711.1	3858652	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.93E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.61E-07	5.56E-08	8.54E-08	8.44E-07
1555	494761.1	3858652	2.53E-03	2.73E-03	4.34E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.60E-08	3.55E-07	5.48E-08	8.42E-08	8.32E-07
1556	494811.1	3858652	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.46E-06	6.68E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.49E-08	3.48E-07	5.37E-08	8.24E-08	8.14E-07
1557	494861.1	3858652	2.42E-03	2.62E-03	4.17E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.26E-08	8.08E-08	7.98E-07
1558	494911.1	3858652	2.37E-03	2.56E-03	4.08E-03	8.21E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.41E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.34E-07	5.15E-08	7.90E-08	7.81E-07
1559	494961.1	3858652	2.32E-03	2.51E-03	4.00E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.15E-08	3.27E-07	5.04E-08	7.74E-08	7.65E-07
1560	495011.1	3858652	2.29E-03	2.47E-03	3.93E-03	7.92E-07	2.39E-06	1.38E-06	1.49E-06	1.36E-06	6.18E-07	9.84E-07	0.00E+00	0.00E+00	2.55E-07	5.07E-08	3.22E-07	4.96E-08	7.62E-08	7.53E-07
1561	495061.1	3858652	2.25E-03	2.43E-03	3.86E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.67E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.88E-08	7.48E-08	7.40E-07
1562	495111.1	3858652	2.20E-03	2.37E-03	3.78E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.46E-07	0.00E+00	0.00E+00	2.45E-07	4.88E-08	3.09E-07	4.77E-08	7.32E-08	7.24E-07
1563	495161.1	3858652	2.17E-03	2.34E-03	3.73E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.33E-07	0.00E+00	0.00E+00	2.41E-07	4.81E-08	3.05E-07	4.71E-08	7.22E-08	7.14E-07
1564	495211.1	3858652	2.13E-03	2.30E-03	3.67E-03	7.38E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.77E-07	9.18E-07	0.00E+00	0.00E+00	2.37E-07	4.73E-08	3.00E-07	4.63E-08	7.11E-08	7.02E-07
1565	495261.1	3858652	2.12E-03	2.29E-03	3.65E-03	7.35E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.74E-07	9.13E-07	0.00E+00	0.00E+00	2.36E-07	4.71E-08	2.99E-07	4.61E-08	7.07E-08	6.99E-07
1566	495311.1	3858652	2.10E-03	2.27E-03	3.62E-03	7.28E-07	2.20E-06	1.27E-06	1.37E-06	1.25E-06	5.69E-07	9.05E-07	0.00E+00	0.00E+00	2.34E-07	4.67E-08	2.96E-07	4.57E-08	7.01E-08	6.93E-07
1567	495361.1	3858652	2.09E-03	2.26E-03	3.60E-03	7.24E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.65E-07	9.00E-07	0.00E+00	0.00E+00	2.33E-07	4.64E-08	2.94E-07	4.54E-08	6.97E-08	6.89E-07
1568	495411.1	3858652	2.08E-03	2.25E-03	3.58E-03	7.22E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.97E-07	0.00E+00	0.00E+00	2.32E-07	4.62E-08	2.93E-07	4.52E-08	6.94E-08	6.86E-07
1569	495461.1	3858652	2.08E-03	2.25E-03	3.58E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.96E-07	0.00E+00	0.00E+00	2.32E-07	4.62E-08	2.93E-07	4.52E-08	6.94E-08	6.85E-07
1570	495511.1	3858652	2.06E-03	2.23E-03	3.54E-03	7.13E-07	2.15E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.87E-07	0.00E+00	0.00E+00	2.29E-07	4.57E-08	2.90E-07	4.47E-08	6.87E-08	6.79E-07
1571	495561.1	3858652	2.05E-03	2.21E-03	3.52E-03	7.08E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.53E-07	8.80E-07	0.00E+00	0.00E+00	2.28E-07	4.54E-08	2.88E-07	4.44E-08	6.81E-08	6.73E-07
1572	495611.1	3858652	2.02E-03	2.18E-03	3.47E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.69E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.39E-08	6.73E-08	6.65E-07
1573	495661.1	3858652	2.01E-03	2.17E-03	3.46E-03	6.97E-07	2.10E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.66E-07	0.00E+00	0.00E+00	2.24E-07	4.47E-08	2.83E-07	4.37E-08	6.71E-08	6.63E-07
1574	494311.1	3858702	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.49E-08	3.48E-07	5.37E-08	8.24E-08	8.14E-07
1575	494361.1	3858702	2.63E-03	2.84E-03	4.53E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.71E-07	5.72E-08	8.78E-08	8.67E-07
1576	494411.1	3858702	2.73E-03	2.95E-03	4.69E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.10E-08	8.98E-07
1577	494461.1	3858702	2.73E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.84E-07	5.91E-08	9.09E-08	8.97E-07
1578	494511.1	3858702	2.72E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	9.08E-08	8.97E-07
1579	494561.1	3858702	2.70E-03	2.92E-03	4.65E-03	9.36E-07	2.82E-06	1.64E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.87E-08	9.01E-08	8.90E-07
1580	494611.1	3858702	2.65E-03	2.86E-03	4.55E-03	9.16E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.87E-08	3.72E-07	5.74E-08	8.82E-08	8.71E-07
1581	494661.1	3858702	2.64E-03	2.85E-03	4.54E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.73E-08	8.80E-08	8.69E-07
1582	494711.1	3858702	2.53E-03	2.73E-03	4.34E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.82E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.60E-08	3.55E-07	5.48E-08	8.42E-08	8.31E-07
1583	494761.1	3858702	2.55E-03	2.75E-03	4.38E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.48E-08	8.38E-07
1584	494811.1	3858702	2.49E-03	2.69E-03	4.29E-03	8.63E-07	2.60E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.53E-08	3.51E-07	5.41E-08	8.31E-08	8.21E-07
1585	494861.1	3858702	2.45E-03	2.65E-03	4.21E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.43E-08	3.45E-07	5.32E-08	8.16E-08	8.07E-07
1586	494911.1	3858702	2.41E-03	2.61E-03	4.15E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.35E-08	3.40E-07	5.24E-08	8.04E-08	7.94E-07
1587	494961.1	3858702	2.34E-03	2.53E-03	4.02E-03	8.10E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.19E-08	3.29E-07	5.08E-08	7.80E-08	7.71E-07
1588	495011.1	3858702	2.30E-03	2.48E-03	3.95E-03	7.95E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.88E-07	0.00E+00	0.00E+00	2.56E-07	5.09E-08	3.23E-07	4.98E-08	7.65E-08	7.56E-07
1589	495061.1	3858702	2.27E-03	2.46E-03	3.91E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.79E-07	0.00E+00	0.00E+00	2.53E-07	5.05E-08	3.20E-07	4.94E-08	7.58E-08	7.49E-07

1590	495111.1	3858702	2.22E-03	2.40E-03	3.82E-03	7.70E-07	2.32E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.57E-07	0.00E+00	0.00E+00	2.48E-07	4.93E-08	3.13E-07	4.83E-08	7.41E-08	7.32E-07
1591	495161.1	3858702	2.20E-03	2.37E-03	3.78E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.45E-07	0.00E+00	0.00E+00	2.45E-07	4.87E-08	3.09E-07	4.77E-08	7.32E-08	7.24E-07
1592	495211.1	3858702	2.16E-03	2.34E-03	3.72E-03	7.49E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.30E-07	0.00E+00	0.00E+00	2.41E-07	4.80E-08	3.04E-07	4.69E-08	7.20E-08	7.12E-07
1593	495261.1	3858702	2.15E-03	2.32E-03	3.70E-03	7.45E-07	2.25E-06	1.30E-06	1.41E-06	1.28E-06	5.82E-07	9.26E-07	0.00E+00	0.00E+00	2.40E-07	4.77E-08	3.03E-07	4.67E-08	7.17E-08	7.09E-07
1594	495311.1	3858702	2.14E-03	2.31E-03	3.68E-03	7.42E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.79E-07	9.22E-07	0.00E+00	0.00E+00	2.39E-07	4.75E-08	3.02E-07	4.65E-08	7.14E-08	7.06E-07
1595	495361.1	3858702	2.13E-03	2.30E-03	3.66E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	9.16E-07	0.00E+00	0.00E+00	2.37E-07	4.72E-08	3.00E-07	4.62E-08	7.09E-08	7.01E-07
1596	495411.1	3858702	2.12E-03	2.29E-03	3.65E-03	7.35E-07	2.22E-06	1.29E-06	1.39E-06	1.26E-06	5.74E-07	9.14E-07	0.00E+00	0.00E+00	2.36E-07	4.71E-08	2.99E-07	4.61E-08	7.08E-08	6.99E-07
1597	495461.1	3858702	2.11E-03	2.28E-03	3.63E-03	7.31E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.09E-07	0.00E+00	0.00E+00	2.35E-07	4.69E-08	2.97E-07	4.59E-08	7.04E-08	6.96E-07
1598	495511.1	3858702	2.10E-03	2.26E-03	3.60E-03	7.26E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.66E-07	9.02E-07	0.00E+00	0.00E+00	2.33E-07	4.65E-08	2.95E-07	4.55E-08	6.98E-08	6.90E-07
1599	495561.1	3858702	2.08E-03	2.24E-03	3.57E-03	7.18E-07	2.17E-06	1.26E-06	1.36E-06	1.23E-06	5.61E-07	8.93E-07	0.00E+00	0.00E+00	2.31E-07	4.60E-08	2.92E-07	4.50E-08	6.91E-08	6.83E-07
1600	495611.1	3858702	2.06E-03	2.22E-03	3.53E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.55E-07	8.84E-07	0.00E+00	0.00E+00	2.29E-07	4.56E-08	2.89E-07	4.46E-08	6.85E-08	6.77E-07
1601	495661.1	3858702	2.04E-03	2.21E-03	3.51E-03	7.07E-07	2.13E-06	1.24E-06	1.33E-06	1.21E-06	5.52E-07	8.79E-07	0.00E+00	0.00E+00	2.27E-07	4.53E-08	2.87E-07	4.43E-08	6.80E-08	6.72E-07
1602	494311.1	3858752	2.51E-03	2.71E-03	4.32E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.54E-07	5.46E-08	8.37E-08	8.28E-07
1603	494361.1	3858752	2.70E-03	2.92E-03	4.65E-03	9.36E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.87E-08	9.01E-08	8.90E-07
1604	494411.1	3858752	2.77E-03	3.00E-03	4.77E-03	9.61E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.91E-07	6.02E-08	9.25E-08	9.14E-07
1605	494461.1	3858752	2.77E-03	2.99E-03	4.77E-03	9.59E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.15E-08	3.90E-07	6.01E-08	9.24E-08	9.12E-07
1606	494511.1	3858752	2.78E-03	3.00E-03	4.78E-03	9.61E-07	2.90E-06	1.68E-06	1.81E-06	1.65E-06	7.51E-07	1.20E-06	0.00E+00	0.00E+00	3.09E-07	6.16E-08	3.91E-07	6.03E-08	9.26E-08	9.15E-07
1607	494561.1	3858752	2.74E-03	2.96E-03	4.71E-03	9.48E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.08E-08	3.86E-07	5.95E-08	9.13E-08	9.02E-07
1608	494611.1	3858752	2.69E-03	2.91E-03	4.63E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.98E-08	3.79E-07	5.85E-08	8.98E-08	8.87E-07
1609	494661.1	3858752	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.91E-08	3.75E-07	5.78E-08	8.88E-08	8.77E-07
1610	494711.1	3858752	2.60E-03	2.80E-03	4.47E-03	8.99E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.65E-07	5.63E-08	8.65E-08	8.55E-07
1611	494761.1	3858752	2.58E-03	2.78E-03	4.44E-03	8.93E-07	2.70E-06	1.56E-06	1.68E-06	1.53E-06	6.97E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.60E-08	8.60E-08	8.49E-07
1612	494811.1	3858752	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.63E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.59E-08	3.55E-07	5.47E-08	8.40E-08	8.30E-07
1613	494861.1	3858752	2.47E-03	2.67E-03	4.25E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.23E-08	8.13E-07
1614	494911.1	3858752	2.41E-03	2.61E-03	4.15E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.36E-08	3.40E-07	5.24E-08	8.05E-08	7.95E-07
1615	494961.1	3858752	2.37E-03	2.56E-03	4.08E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.27E-08	3.34E-07	5.15E-08	7.91E-08	7.82E-07
1616	495011.1	3858752	2.35E-03	2.53E-03	4.04E-03	8.12E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.21E-08	3.30E-07	5.09E-08	7.82E-08	7.73E-07
1617	495061.1	3858752	2.31E-03	2.49E-03	3.96E-03	7.98E-07	2.41E-06	1.39E-06	1.51E-06	1.37E-06	6.23E-07	9.92E-07	0.00E+00	0.00E+00	2.57E-07	5.11E-08	3.24E-07	5.00E-08	7.68E-08	7.59E-07
1618	495111.1	3858752	2.26E-03	2.44E-03	3.88E-03	7.81E-07	2.36E-06	1.37E-06	1.47E-06	1.34E-06	6.10E-07	9.71E-07	0.00E+00	0.00E+00	2.51E-07	5.01E-08	3.18E-07	4.90E-08	7.52E-08	7.43E-07
1619	495161.1	3858752	2.23E-03	2.41E-03	3.83E-03	7.72E-07	2.33E-06	1.35E-06	1.46E-06	1.32E-06	6.02E-07	9.59E-07	0.00E+00	0.00E+00	2.48E-07	4.94E-08	3.14E-07	4.84E-08	7.43E-08	7.34E-07
1620	495211.1	3858752	2.19E-03	2.37E-03	3.77E-03	7.60E-07	2.29E-06	1.33E-06	1.43E-06	1.30E-06	5.93E-07	9.44E-07	0.00E+00	0.00E+00	2.44E-07	4.87E-08	3.09E-07	4.76E-08	7.31E-08	7.22E-07
1621	495261.1	3858752	2.18E-03	2.36E-03	3.75E-03	7.56E-07	2.28E-06	1.32E-06	1.43E-06	1.29E-06	5.90E-07	9.39E-07	0.00E+00	0.00E+00	2.43E-07	4.84E-08	3.07E-07	4.74E-08	7.27E-08	7.19E-07
1622	495311.1	3858752	2.17E-03	2.35E-03	3.74E-03	7.53E-07	2.27E-06	1.32E-06	1.42E-06	1.29E-06	5.87E-07	9.35E-07	0.00E+00	0.00E+00	2.42E-07	4.82E-08	3.06E-07	4.72E-08	7.24E-08	7.16E-07
1623	495361.1	3858752	2.16E-03	2.33E-03	3.71E-03	7.48E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.29E-07	0.00E+00	0.00E+00	2.40E-07	4.79E-08	3.04E-07	4.69E-08	7.20E-08	7.11E-07
1624	495411.1	3858752	2.16E-03	2.33E-03	3.71E-03	7.47E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.28E-07	0.00E+00	0.00E+00	2.40E-07	4.79E-08	3.04E-07	4.68E-08	7.19E-08	7.11E-07
1625	495461.1	3858752	2.15E-03	2.32E-03	3.69E-03	7.43E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.80E-07	9.24E-07	0.00E+00	0.00E+00	2.39E-07	4.76E-08	3.02E-07	4.66E-08	7.15E-08	7.07E-07
1626	495511.1	3858752	2.13E-03	2.30E-03	3.66E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	9.16E-07	0.00E+00	0.00E+00	2.37E-07	4.72E-08	3.00E-07	4.62E-08	7.09E-08	7.01E-07
1627	495561.1	3858752	2.11E-03	2.28E-03	3.63E-03	7.30E-07	2.20E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.08E-07	0.00E+00	0.00E+00	2.35E-07	4.68E-08	2.97E-07	4.58E-08	7.03E-08	6.94E-07
1628	495611.1	3858752	2.09E-03	2.26E-03	3.59E-03	7.23E-07	2.18E-06	1.26E-06	1.37E-06	1.24E-06	5.65E-07	8.99E-07	0.00E+00	0.00E+00	2.33E-07	4.63E-08	2.94E-07	4.53E-08	6.96E-08	6.88E-07
1629	495661.1	3858752	2.07E-03	2.24E-03	3.57E-03	7.18E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.60E-07	8.92E-07	0.00E+00	0.00E+00	2.31E-07	4.60E-08	2.92E-07	4.50E-08	6.91E-08	6.83E-07
1630	494311.1	3858802	2.59E-03	2.80E-03	4.45E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.65E-07	5.62E-08	8.63E-08	8.53E-07
1631	494361.1	3858802	2.76E-03	2.98E-03	4.74E-03	9.54E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.45E-07	1.19E-06	0.00E+00	0.00E+00	3.07E-07	6.11E-08	3.88E-07	5.98E-08	9.19E-08	9.08E-07
1632	494411.1	3858802	2.79E-03	3.02E-03	4.81E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.65E-06	7.55E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.93E-07	6.06E-08	9.32E-08	9.20E-07
1633	494461.1	3858802	2.81E-03	3.03E-03	4.83E-03	9.72E-07	2.94E-06	1.70E-06	1.84E-06	1.66E-06	7.59E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.23E-08	3.95E-07	6.10E-08	9.37E-08	9.25E-07
1634	494511.1	3858802	2.82E-03	3.05E-03	4.85E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.21E-06	0.00E+00	0.00E+00	3.14E-07	6.25E-08	3.97E-07	6.12E-08	9.40E-08	9.29E-07
1635	494561.1	3858802	2.80E-03	3.03E-03	4.82E-03	9.71E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.21E-06	0.00E+00	0.00E+00	3.12E-07	6.22E-08	3.95E-07	6.09E-08	9.35E-08	9.23E-07
1636	494611.1	3858802	2.77E-03	3.00E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.90E-07	6.02E-08	9.25E-08	9.13E-07
1637	494661.1	3858802	2.73E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.84E-07	5.91E-08	9.09E-08	8.97E-07
1638	494711.1	3858802	2.67E-03	2.88E-03	4.59E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.75E-07	5.79E-08	8.90E-08	8.79E-07
1639	494761.1	3858802	2.60E-03	2.81E-03	4.48E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.67E-08	8.57E-07
1640	494811.1	3858802	2.53E-03	2.74E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.57E-07	5.50E-08	8.45E-08	8.35E-07
1641	494861.1	3858802	2.50E-03	2.70E-03	4.30E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.52E-07	5.42E-08	8.33E-08	8.23E-07
1642	494911.1	3858802	2.45E-03	2.64E-03	4.21E-03	8.46E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.31E-08	8.15E-08	8.05E-07
1643	494961.1	3858802	2.41E-03	2.60E-03	4.14E-03	8.33E-07	2.51E-06	1.46E-06	1.57E-06	1.42E-06	6.50E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.33E-08	3.39E-07	5.22E-08	8.02E-08	7.92E-07
1644	495011.1	3858802	2.36E-03	2.55E-03	4.06E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.39E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.24E-08	3.33E-07	5.13E-08	7.88E-08	7.78E-07
1645	495061.1	3858802	2.34E-03	2.52E-03	4.02E-03	8.09E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.32E-07	1.01E-06	0.00E+00	0.00E+00	2.60E-07	5.18E-08	3.29E-07	5.07E-08	7.79E-08	7.69E-07
1646	495111.1	3858802	2.28E-03	2.47E-03	3.92E-03	7.90E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.82E-07	0.00E+00	0.00E+00	2.54E-07	5.06E-08	3.21E-07	4.95E-08	7.61E-08	7.52E-07

1647	495161.1	3858802	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.66E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.87E-08	7.48E-08	7.39E-07
1648	495211.1	3858802	2.22E-03	2.40E-03	3.82E-03	7.70E-07	2.32E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.57E-07	0.00E+00	0.00E+00	2.47E-07	4.93E-08	3.13E-07	4.82E-08	7.41E-08	7.32E-07
1649	495261.1	3858802	2.21E-03	2.39E-03	3.80E-03	7.66E-07	2.31E-06	1.34E-06	1.45E-06	1.31E-06	5.98E-07	9.52E-07	0.00E+00	0.00E+00	2.46E-07	4.91E-08	3.11E-07	4.80E-08	7.37E-08	7.29E-07
1650	495311.1	3858802	2.21E-03	2.38E-03	3.79E-03	7.64E-07	2.31E-06	1.33E-06	1.44E-06	1.31E-06	5.96E-07	9.49E-07	0.00E+00	0.00E+00	2.46E-07	4.89E-08	3.10E-07	4.79E-08	7.35E-08	7.26E-07
1651	495361.1	3858802	2.19E-03	2.37E-03	3.77E-03	7.59E-07	2.29E-06	1.33E-06	1.43E-06	1.30E-06	5.93E-07	9.44E-07	0.00E+00	0.00E+00	2.44E-07	4.86E-08	3.09E-07	4.76E-08	7.31E-08	7.22E-07
1652	495411.1	3858802	2.20E-03	2.37E-03	3.78E-03	7.61E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.94E-07	9.45E-07	0.00E+00	0.00E+00	2.45E-07	4.87E-08	3.09E-07	4.77E-08	7.32E-08	7.23E-07
1653	495461.1	3858802	2.18E-03	2.36E-03	3.75E-03	7.56E-07	2.28E-06	1.32E-06	1.43E-06	1.29E-06	5.90E-07	9.39E-07	0.00E+00	0.00E+00	2.43E-07	4.84E-08	3.07E-07	4.74E-08	7.27E-08	7.19E-07
1654	495511.1	3858802	2.16E-03	2.34E-03	3.72E-03	7.49E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.84E-07	9.31E-07	0.00E+00	0.00E+00	2.41E-07	4.80E-08	3.04E-07	4.69E-08	7.21E-08	7.12E-07
1655	495561.1	3858802	2.15E-03	2.32E-03	3.69E-03	7.43E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.80E-07	9.23E-07	0.00E+00	0.00E+00	2.39E-07	4.76E-08	3.02E-07	4.66E-08	7.15E-08	7.06E-07
1656	495611.1	3858802	2.12E-03	2.29E-03	3.65E-03	7.34E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.73E-07	9.12E-07	0.00E+00	0.00E+00	2.36E-07	4.70E-08	2.98E-07	4.60E-08	7.06E-08	6.98E-07
1657	495661.1	3858802	2.11E-03	2.28E-03	3.62E-03	7.30E-07	2.20E-06	1.28E-06	1.38E-06	1.25E-06	5.70E-07	9.07E-07	0.00E+00	0.00E+00	2.35E-07	4.68E-08	2.97E-07	4.57E-08	7.02E-08	6.94E-07
1658	494311.1	3858852	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.90E-07	6.02E-08	9.24E-08	9.13E-07
1659	494361.1	3858852	2.87E-03	3.10E-03	4.93E-03	9.92E-07	3.00E-06	1.73E-06	1.87E-06	1.70E-06	7.75E-07	1.24E-06	0.00E+00	0.00E+00	3.19E-07	6.36E-08	4.04E-07	6.22E-08	9.56E-08	9.44E-07
1660	494411.1	3858852	2.86E-03	3.08E-03	4.91E-03	9.88E-07	2.98E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	0.00E+00	0.00E+00	3.18E-07	6.33E-08	4.02E-07	6.20E-08	9.52E-08	9.40E-07
1661	494461.1	3858852	2.86E-03	3.09E-03	4.92E-03	9.89E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	0.00E+00	0.00E+00	3.18E-07	6.34E-08	4.02E-07	6.20E-08	9.53E-08	9.41E-07
1662	494511.1	3858852	2.86E-03	3.08E-03	4.91E-03	9.88E-07	2.98E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	0.00E+00	0.00E+00	3.18E-07	6.33E-08	4.02E-07	6.20E-08	9.52E-08	9.40E-07
1663	494561.1	3858852	2.83E-03	3.06E-03	4.88E-03	9.81E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.66E-07	1.22E-06	0.00E+00	0.00E+00	3.15E-07	6.29E-08	3.99E-07	6.15E-08	9.45E-08	9.33E-07
1664	494611.1	3858852	2.80E-03	3.02E-03	4.81E-03	9.68E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.94E-07	6.07E-08	9.33E-08	9.21E-07
1665	494661.1	3858852	2.75E-03	2.97E-03	4.73E-03	9.52E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.18E-06	0.00E+00	0.00E+00	3.06E-07	6.10E-08	3.87E-07	5.97E-08	9.17E-08	9.06E-07
1666	494711.1	3858852	2.68E-03	2.90E-03	4.62E-03	9.29E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.95E-08	3.78E-07	5.82E-08	8.95E-08	8.83E-07
1667	494761.1	3858852	2.62E-03	2.83E-03	4.51E-03	9.07E-07	2.74E-06	1.58E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.68E-08	8.73E-08	8.62E-07
1668	494811.1	3858852	2.57E-03	2.77E-03	4.41E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.56E-08	8.45E-07
1669	494861.1	3858852	2.53E-03	2.73E-03	4.35E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.44E-08	8.34E-07
1670	494911.1	3858852	2.48E-03	2.68E-03	4.27E-03	8.59E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.51E-08	3.49E-07	5.39E-08	8.28E-08	8.17E-07
1671	494961.1	3858852	2.44E-03	2.64E-03	4.20E-03	8.45E-07	2.55E-06	1.48E-06	1.59E-06	1.45E-06	6.60E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.41E-08	3.44E-07	5.30E-08	8.14E-08	8.04E-07
1672	495011.1	3858852	2.41E-03	2.60E-03	4.14E-03	8.33E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.22E-08	8.02E-08	7.92E-07
1673	495061.1	3858852	2.37E-03	2.56E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.25E-08	3.33E-07	5.14E-08	7.89E-08	7.79E-07
1674	495111.1	3858852	2.30E-03	2.48E-03	3.95E-03	7.95E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.88E-07	0.00E+00	0.00E+00	2.56E-07	5.09E-08	3.23E-07	4.98E-08	7.65E-08	7.56E-07
1675	495161.1	3858852	2.26E-03	2.44E-03	3.88E-03	7.82E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.10E-07	9.72E-07	0.00E+00	0.00E+00	2.51E-07	5.01E-08	3.18E-07	4.90E-08	7.52E-08	7.44E-07
1676	495211.1	3858852	2.26E-03	2.44E-03	3.88E-03	7.82E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.10E-07	9.72E-07	0.00E+00	0.00E+00	2.51E-07	5.01E-08	3.18E-07	4.90E-08	7.53E-08	7.44E-07
1677	495261.1	3858852	2.25E-03	2.43E-03	3.86E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.67E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.88E-08	7.49E-08	7.40E-07
1678	495311.1	3858852	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.34E-06	1.36E-06	1.47E-06	1.33E-06	6.06E-07	9.66E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.87E-08	7.48E-08	7.39E-07
1679	495361.1	3858852	2.23E-03	2.41E-03	3.84E-03	7.73E-07	2.34E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.62E-07	0.00E+00	0.00E+00	2.49E-07	4.95E-08	3.14E-07	4.85E-08	7.45E-08	7.36E-07
1680	495411.1	3858852	2.23E-03	2.40E-03	3.83E-03	7.70E-07	2.33E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.58E-07	0.00E+00	0.00E+00	2.48E-07	4.94E-08	3.13E-07	4.83E-08	7.42E-08	7.33E-07
1681	495461.1	3858852	2.22E-03	2.40E-03	3.82E-03	7.68E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	6.00E-07	9.55E-07	0.00E+00	0.00E+00	2.47E-07	4.92E-08	3.12E-07	4.81E-08	7.39E-08	7.30E-07
1682	495511.1	3858852	2.20E-03	2.38E-03	3.79E-03	7.63E-07	2.30E-06	1.33E-06	1.44E-06	1.31E-06	5.96E-07	9.49E-07	0.00E+00	0.00E+00	2.45E-07	4.89E-08	3.10E-07	4.78E-08	7.35E-08	7.26E-07
1683	495561.1	3858852	2.17E-03	2.34E-03	3.73E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.33E-07	0.00E+00	0.00E+00	2.41E-07	4.81E-08	3.05E-07	4.71E-08	7.23E-08	7.14E-07
1684	495611.1	3858852	2.14E-03	2.31E-03	3.68E-03	7.42E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.79E-07	9.22E-07	0.00E+00	0.00E+00	2.38E-07	4.75E-08	3.01E-07	4.65E-08	7.14E-08	7.05E-07
1685	495661.1	3858852	2.14E-03	2.31E-03	3.67E-03	7.39E-07	2.23E-06	1.29E-06	1.40E-06	1.26E-06	5.77E-07	9.19E-07	0.00E+00	0.00E+00	2.38E-07	4.74E-08	3.01E-07	4.63E-08	7.12E-08	7.03E-07
1686	494311.1	3858902	2.84E-03	3.07E-03	4.90E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.69E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.31E-08	4.00E-07	6.17E-08	9.49E-08	9.37E-07
1687	494361.1	3858902	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.73E-06	7.88E-07	1.26E-06	0.00E+00	0.00E+00	3.24E-07	6.46E-08	4.10E-07	6.32E-08	9.72E-08	9.59E-07
1688	494411.1	3858902	2.92E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.76E-06	1.91E-06	1.73E-06	7.88E-07	1.26E-06	0.00E+00	0.00E+00	3.24E-07	6.47E-08	4.10E-07	6.33E-08	9.73E-08	9.60E-07
1689	494461.1	3858902	2.92E-03	3.16E-03	5.03E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.90E-07	1.26E-06	0.00E+00	0.00E+00	3.25E-07	6.48E-08	4.11E-07	6.34E-08	9.75E-08	9.63E-07
1690	494511.1	3858902	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.73E-06	7.88E-07	1.26E-06	0.00E+00	0.00E+00	3.24E-07	6.47E-08	4.10E-07	6.33E-08	9.73E-08	9.60E-07
1691	494561.1	3858902	2.88E-03	3.11E-03	4.95E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.78E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.38E-08	4.05E-07	6.24E-08	9.60E-08	9.47E-07
1692	494611.1	3858902	2.81E-03	3.03E-03	4.84E-03	9.73E-07	2.94E-06	1.70E-06	1.84E-06	1.66E-06	7.59E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.23E-08	3.95E-07	6.10E-08	9.37E-08	9.25E-07
1693	494661.1	3858902	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.90E-07	6.02E-08	9.25E-08	9.13E-07
1694	494711.1	3858902	2.71E-03	2.93E-03	4.67E-03	9.39E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.02E-08	3.82E-07	5.89E-08	9.05E-08	8.93E-07
1695	494761.1	3858902	2.64E-03	2.85E-03	4.54E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.73E-08	8.81E-08	8.70E-07
1696	494811.1	3858902	2.60E-03	2.81E-03	4.47E-03	9.00E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.66E-07	5.64E-08	8.66E-08	8.56E-07
1697	494861.1	3858902	2.57E-03	2.77E-03	4.42E-03	8.89E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.56E-08	8.45E-07
1698	494911.1	3858902	2.50E-03	2.70E-03	4.30E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.52E-07	5.42E-08	8.33E-08	8.23E-07
1699	494961.1	3858902	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.46E-07	5.34E-08	8.20E-08	8.10E-07
1700	495011.1	3858902	2.43E-03	2.62E-03	4.17E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.26E-08	8.08E-08	7.99E-07
1701	495061.1	3858902	2.37E-03	2.56E-03	4.08E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.34E-07	5.15E-08	7.91E-08	7.82E-07
1702	495111.1	3858902	2.30E-03	2.49E-03	3.96E-03	7.97E-07	2.41E-06	1.39E-06	1.50E-06	1.36E-06	6.22E-07	9.90E-07	0.00E+00	0.00E+00	2.56E-07	5.10E-08	3.24E-07	4.99E-08	7.67E-08	7.58E-07
1703	495161.1	3858902	2.28E-03	2.46E-03	3.92E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.81E-07	0.00E+00	0.00E+00	2.54E-07	5.05E-08	3.21E-07	4.95E-08	7.59E-08	7.50E-07

1704	495211.1	3858902	2.29E-03	2.47E-03	3.94E-03	7.93E-07	2.39E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.86E-07	0.00E+00	0.00E+00	2.55E-07	5.08E-08	3.22E-07	4.97E-08	7.63E-08	7.54E-07
1705	495261.1	3858902	2.28E-03	2.47E-03	3.93E-03	7.91E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.83E-07	0.00E+00	0.00E+00	2.54E-07	5.07E-08	3.22E-07	4.96E-08	7.61E-08	7.52E-07
1706	495311.1	3858902	2.27E-03	2.45E-03	3.91E-03	7.87E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.14E-07	9.78E-07	0.00E+00	0.00E+00	2.53E-07	5.04E-08	3.20E-07	4.93E-08	7.57E-08	7.48E-07
1707	495361.1	3858902	2.26E-03	2.44E-03	3.89E-03	7.83E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.74E-07	0.00E+00	0.00E+00	2.52E-07	5.02E-08	3.18E-07	4.91E-08	7.54E-08	7.45E-07
1708	495411.1	3858902	2.26E-03	2.44E-03	3.89E-03	7.83E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.11E-07	9.74E-07	0.00E+00	0.00E+00	2.52E-07	5.02E-08	3.18E-07	4.91E-08	7.54E-08	7.45E-07
1709	495461.1	3858902	2.25E-03	2.43E-03	3.86E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.67E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.88E-08	7.49E-08	7.40E-07
1710	495511.1	3858902	2.22E-03	2.40E-03	3.82E-03	7.69E-07	2.32E-06	1.34E-06	1.45E-06	1.32E-06	6.01E-07	9.56E-07	0.00E+00	0.00E+00	2.47E-07	4.93E-08	3.13E-07	4.82E-08	7.41E-08	7.32E-07
1711	495561.1	3858902	2.20E-03	2.38E-03	3.79E-03	7.62E-07	2.30E-06	1.33E-06	1.44E-06	1.30E-06	5.95E-07	9.48E-07	0.00E+00	0.00E+00	2.45E-07	4.88E-08	3.10E-07	4.78E-08	7.34E-08	7.25E-07
1712	495611.1	3858902	2.18E-03	2.35E-03	3.74E-03	7.53E-07	2.27E-06	1.32E-06	1.42E-06	1.29E-06	5.88E-07	9.36E-07	0.00E+00	0.00E+00	2.42E-07	4.82E-08	3.06E-07	4.72E-08	7.25E-08	7.16E-07
1713	495661.1	3858902	2.17E-03	2.34E-03	3.73E-03	7.52E-07	2.27E-06	1.31E-06	1.42E-06	1.29E-06	5.87E-07	9.35E-07	0.00E+00	0.00E+00	2.42E-07	4.82E-08	3.06E-07	4.71E-08	7.24E-08	7.15E-07
1714	494311.1	3858952	2.96E-03	3.19E-03	5.09E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.99E-07	1.27E-06	0.00E+00	0.00E+00	3.29E-07	6.56E-08	4.16E-07	6.42E-08	9.87E-08	9.74E-07
1715	494361.1	3858952	2.98E-03	3.22E-03	5.13E-03	1.03E-06	3.12E-06	1.80E-06	1.95E-06	1.77E-06	8.06E-07	1.28E-06	0.00E+00	0.00E+00	3.32E-07	6.61E-08	4.20E-07	6.47E-08	9.95E-08	9.82E-07
1716	494411.1	3858952	2.95E-03	3.19E-03	5.09E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.98E-07	1.27E-06	0.00E+00	0.00E+00	3.29E-07	6.55E-08	4.16E-07	6.41E-08	9.86E-08	9.73E-07
1717	494461.1	3858952	2.96E-03	3.20E-03	5.10E-03	1.03E-06	3.10E-06	1.79E-06	1.94E-06	1.76E-06	8.01E-07	1.28E-06	0.00E+00	0.00E+00	3.30E-07	6.57E-08	4.17E-07	6.43E-08	9.89E-08	9.76E-07
1718	494511.1	3858952	2.94E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.95E-07	1.27E-06	0.00E+00	0.00E+00	3.27E-07	6.53E-08	4.14E-07	6.39E-08	9.82E-08	9.69E-07
1719	494561.1	3858952	2.90E-03	3.14E-03	5.00E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.85E-07	1.25E-06	0.00E+00	0.00E+00	3.23E-07	6.44E-08	4.09E-07	6.30E-08	9.69E-08	9.57E-07
1720	494611.1	3858952	2.85E-03	3.08E-03	4.91E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.32E-08	4.01E-07	6.18E-08	9.51E-08	9.38E-07
1721	494661.1	3858952	2.80E-03	3.02E-03	4.82E-03	9.69E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.21E-06	0.00E+00	0.00E+00	3.11E-07	6.21E-08	3.94E-07	6.07E-08	9.33E-08	9.21E-07
1722	494711.1	3858952	2.73E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.05E-08	3.84E-07	5.92E-08	9.09E-08	8.98E-07
1723	494761.1	3858952	2.67E-03	2.89E-03	4.60E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.93E-08	3.76E-07	5.80E-08	8.91E-08	8.80E-07
1724	494811.1	3858952	2.64E-03	2.85E-03	4.54E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.14E-06	0.00E+00	0.00E+00	2.93E-07	5.85E-08	3.71E-07	5.72E-08	8.79E-08	8.68E-07
1725	494861.1	3858952	2.60E-03	2.81E-03	4.47E-03	9.00E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.77E-08	3.66E-07	5.64E-08	8.67E-08	8.56E-07
1726	494911.1	3858952	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.65E-08	3.58E-07	5.53E-08	8.49E-08	8.39E-07
1727	494961.1	3858952	2.52E-03	2.72E-03	4.33E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.59E-08	3.55E-07	5.47E-08	8.40E-08	8.30E-07
1728	495011.1	3858952	2.44E-03	2.63E-03	4.20E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.41E-08	3.43E-07	5.29E-08	8.13E-08	8.03E-07
1729	495061.1	3858952	2.36E-03	2.55E-03	4.07E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.39E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.24E-08	3.33E-07	5.13E-08	7.88E-08	7.78E-07
1730	495111.1	3858952	2.31E-03	2.49E-03	3.97E-03	7.99E-07	2.41E-06	1.40E-06	1.51E-06	1.37E-06	6.24E-07	9.93E-07	0.00E+00	0.00E+00	2.57E-07	5.12E-08	3.25E-07	5.01E-08	7.69E-08	7.60E-07
1731	495161.1	3858952	2.33E-03	2.52E-03	4.01E-03	8.07E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.17E-08	3.28E-07	5.06E-08	7.77E-08	7.67E-07
1732	495211.1	3858952	2.33E-03	2.51E-03	4.00E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.16E-08	3.27E-07	5.05E-08	7.75E-08	7.66E-07
1733	495261.1	3858952	2.32E-03	2.51E-03	3.99E-03	8.03E-07	2.43E-06	1.40E-06	1.52E-06	1.37E-06	6.27E-07	9.99E-07	0.00E+00	0.00E+00	2.58E-07	5.15E-08	3.27E-07	5.04E-08	7.73E-08	7.64E-07
1734	495311.1	3858952	2.29E-03	2.47E-03	3.94E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.87E-07	0.00E+00	0.00E+00	2.55E-07	5.08E-08	3.23E-07	4.97E-08	7.64E-08	7.55E-07
1735	495361.1	3858952	2.29E-03	2.47E-03	3.94E-03	7.93E-07	2.39E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.86E-07	0.00E+00	0.00E+00	2.55E-07	5.08E-08	3.22E-07	4.97E-08	7.63E-08	7.54E-07
1736	495411.1	3858952	2.29E-03	2.47E-03	3.94E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.19E-07	9.87E-07	0.00E+00	0.00E+00	2.55E-07	5.08E-08	3.23E-07	4.97E-08	7.64E-08	7.55E-07
1737	495461.1	3858952	2.28E-03	2.46E-03	3.92E-03	7.89E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.16E-07	9.81E-07	0.00E+00	0.00E+00	2.54E-07	5.05E-08	3.21E-07	4.95E-08	7.60E-08	7.50E-07
1738	495511.1	3858952	2.28E-03	2.46E-03	3.91E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.80E-07	0.00E+00	0.00E+00	2.53E-07	5.05E-08	3.20E-07	4.94E-08	7.58E-08	7.49E-07
1739	495561.1	3858952	2.23E-03	2.41E-03	3.84E-03	7.74E-07	2.34E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.62E-07	0.00E+00	0.00E+00	2.49E-07	4.96E-08	3.15E-07	4.85E-08	7.45E-08	7.36E-07
1740	495611.1	3858952	2.21E-03	2.39E-03	3.80E-03	7.65E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.98E-07	9.52E-07	0.00E+00	0.00E+00	2.46E-07	4.90E-08	3.11E-07	4.80E-08	7.37E-08	7.28E-07
1741	495661.1	3858952	2.21E-03	2.38E-03	3.80E-03	7.64E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.50E-07	0.00E+00	0.00E+00	2.46E-07	4.90E-08	3.11E-07	4.79E-08	7.36E-08	7.27E-07
1742	494311.1	3859002	3.03E-03	3.27E-03	5.22E-03	1.05E-06	3.17E-06	1.83E-06	1.98E-06	1.80E-06	8.20E-07	1.31E-06	0.00E+00	0.00E+00	3.38E-07	6.73E-08	4.27E-07	6.58E-08	1.01E-07	9.99E-07
1743	494361.1	3859002	3.02E-03	3.27E-03	5.21E-03	1.05E-06	3.16E-06	1.83E-06	1.98E-06	1.79E-06	8.17E-07	1.30E-06	0.00E+00	0.00E+00	3.37E-07	6.71E-08	4.26E-07	6.56E-08	1.01E-07	9.96E-07
1744	494411.1	3859002	3.02E-03	3.26E-03	5.20E-03	1.04E-06	3.15E-06	1.83E-06	1.97E-06	1.79E-06	8.16E-07	1.30E-06	0.00E+00	0.00E+00	3.36E-07	6.69E-08	4.25E-07	6.55E-08	1.01E-07	9.94E-07
1745	494461.1	3859002	3.00E-03	3.24E-03	5.16E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.78E-06	8.11E-07	1.29E-06	0.00E+00	0.00E+00	3.34E-07	6.65E-08	4.22E-07	6.51E-08	1.00E-07	9.88E-07
1746	494511.1	3859002	2.98E-03	3.22E-03	5.13E-03	1.03E-06	3.11E-06	1.80E-06	1.95E-06	1.76E-06	8.05E-07	1.28E-06	0.00E+00	0.00E+00	3.32E-07	6.61E-08	4.19E-07	6.47E-08	9.94E-08	9.81E-07
1747	494561.1	3859002	2.93E-03	3.16E-03	5.04E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.91E-07	1.26E-06	0.00E+00	0.00E+00	3.26E-07	6.49E-08	4.12E-07	6.35E-08	9.76E-08	9.64E-07
1748	494611.1	3859002	2.88E-03	3.11E-03	4.95E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.78E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.38E-08	4.05E-07	6.24E-08	9.60E-08	9.47E-07
1749	494661.1	3859002	2.82E-03	3.04E-03	4.85E-03	9.75E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.61E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.25E-08	3.96E-07	6.11E-08	9.40E-08	9.27E-07
1750	494711.1	3859002	2.75E-03	2.97E-03	4.73E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	0.00E+00	0.00E+00	3.06E-07	6.09E-08	3.86E-07	5.96E-08	9.16E-08	9.04E-07
1751	494761.1	3859002	2.70E-03	2.92E-03	4.65E-03	9.36E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.80E-07	5.87E-08	9.02E-08	8.90E-07
1752	494811.1	3859002	2.68E-03	2.89E-03	4.61E-03	9.27E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.15E-06	0.00E+00	0.00E+00	2.98E-07	5.94E-08	3.77E-07	5.81E-08	8.93E-08	8.82E-07
1753	494861.1	3859002	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.70E-07	5.71E-08	8.78E-08	8.66E-07
1754	494911.1	3859002	2.58E-03	2.79E-03	4.44E-03	8.94E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.73E-08	3.63E-07	5.60E-08	8.61E-08	8.50E-07
1755	494961.1	3859002	2.53E-03	2.74E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.56E-07	5.50E-08	8.45E-08	8.34E-07
1756	495011.1	3859002	2.40E-03	2.60E-03	4.14E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.50E-07	1.03E-06	0.00E+00	0.00E+00	2.68E-07	5.33E-08	3.38E-07	5.22E-08	8.01E-08	7.92E-07
1757	495061.1	3859002	2.38E-03	2.57E-03	4.09E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.02E-06	0.00E+00	0.00E+00	2.65E-07	5.27E-08	3.35E-07	5.16E-08	7.93E-08	7.83E-07
1758	495111.1	3859002	2.32E-03	2.51E-03	4.00E-03	8.05E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.16E-08	3.27E-07	5.05E-08	7.75E-08	7.65E-07
1759	495161.1	3859002	2.36E-03	2.55E-03	4.07E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.39E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.24E-08	3.33E-07	5.13E-08	7.88E-08	7.78E-07
1760	495211.1	3859002	2.35E-03	2.54E-03	4.04E-03	8.14E-07	2.46E-06	1.42E-06	1.54E-06	1.39E-06	6.35E-07	1.01E-06	0.00E+00	0.00E+00	2.62E-07	5.21E-08	3.31E-07	5.10E-08	7.84E-08	7.74E-07

1761	495261.1	3859002	2.35E-03	2.54E-03	4.04E-03	8.13E-07	2.46E-06	1.42E-06	1.54E-06	1.39E-06	6.35E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.21E-08	3.31E-07	5.10E-08	7.83E-08	7.74E-07
1762	495311.1	3859002	2.33E-03	2.52E-03	4.02E-03	8.08E-07	2.44E-06	1.41E-06	1.53E-06	1.38E-06	6.31E-07	1.01E-06	0.00E+00	0.00E+00	2.60E-07	5.18E-08	3.29E-07	5.07E-08	7.78E-08	7.69E-07
1763	495361.1	3859002	2.33E-03	2.52E-03	4.01E-03	8.07E-07	2.44E-06	1.41E-06	1.52E-06	1.38E-06	6.30E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.17E-08	3.28E-07	5.06E-08	7.77E-08	7.67E-07
1764	495411.1	3859002	2.32E-03	2.51E-03	3.99E-03	8.04E-07	2.43E-06	1.40E-06	1.52E-06	1.38E-06	6.27E-07	1.00E-06	0.00E+00	0.00E+00	2.58E-07	5.15E-08	3.27E-07	5.04E-08	7.74E-08	7.64E-07
1765	495461.1	3859002	2.32E-03	2.50E-03	3.98E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.97E-07	0.00E+00	0.00E+00	2.58E-07	5.13E-08	3.26E-07	5.02E-08	7.72E-08	7.62E-07
1766	495511.1	3859002	2.28E-03	2.47E-03	3.93E-03	7.90E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.83E-07	0.00E+00	0.00E+00	2.54E-07	5.06E-08	3.21E-07	4.96E-08	7.61E-08	7.52E-07
1767	495561.1	3859002	2.27E-03	2.45E-03	3.90E-03	7.84E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.12E-07	9.75E-07	0.00E+00	0.00E+00	2.52E-07	5.02E-08	3.19E-07	4.92E-08	7.55E-08	7.46E-07
1768	495611.1	3859002	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.66E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.87E-08	7.48E-08	7.39E-07
1769	495661.1	3859002	2.26E-03	2.44E-03	3.88E-03	7.81E-07	2.36E-06	1.36E-06	1.47E-06	1.34E-06	6.10E-07	9.71E-07	0.00E+00	0.00E+00	2.51E-07	5.00E-08	3.17E-07	4.90E-08	7.52E-08	7.43E-07
1770	494311.1	3859052	3.08E-03	3.33E-03	5.31E-03	1.07E-06	3.22E-06	1.87E-06	2.02E-06	1.83E-06	8.34E-07	1.33E-06	0.00E+00	0.00E+00	3.43E-07	6.84E-08	4.34E-07	6.69E-08	1.03E-07	1.02E-06
1771	494361.1	3859052	3.09E-03	3.33E-03	5.31E-03	1.07E-06	3.22E-06	1.87E-06	2.02E-06	1.83E-06	8.34E-07	1.33E-06	0.00E+00	0.00E+00	3.43E-07	6.84E-08	4.34E-07	6.70E-08	1.03E-07	1.02E-06
1772	494411.1	3859052	3.06E-03	3.30E-03	5.27E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.81E-06	8.26E-07	1.32E-06	0.00E+00	0.00E+00	3.40E-07	6.78E-08	4.30E-07	6.64E-08	1.02E-07	1.01E-06
1773	494461.1	3859052	3.02E-03	3.27E-03	5.21E-03	1.05E-06	3.16E-06	1.83E-06	1.98E-06	1.79E-06	8.17E-07	1.30E-06	0.00E+00	0.00E+00	3.37E-07	6.71E-08	4.26E-07	6.56E-08	1.01E-07	9.96E-07
1774	494511.1	3859052	2.98E-03	3.22E-03	5.13E-03	1.03E-06	3.12E-06	1.80E-06	1.95E-06	1.77E-06	8.06E-07	1.28E-06	0.00E+00	0.00E+00	3.32E-07	6.61E-08	4.20E-07	6.47E-08	9.95E-08	9.82E-07
1775	494561.1	3859052	2.94E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.96E-07	1.27E-06	0.00E+00	0.00E+00	3.28E-07	6.53E-08	4.14E-07	6.39E-08	9.83E-08	9.69E-07
1776	494611.1	3859052	2.89E-03	3.13E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	0.00E+00	0.00E+00	3.22E-07	6.42E-08	4.07E-07	6.28E-08	9.66E-08	9.53E-07
1777	494661.1	3859052	2.84E-03	3.07E-03	4.89E-03	9.83E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.67E-07	1.22E-06	0.00E+00	0.00E+00	3.16E-07	6.30E-08	4.00E-07	6.16E-08	9.47E-08	9.35E-07
1778	494711.1	3859052	2.79E-03	3.01E-03	4.80E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.10E-07	6.19E-08	3.92E-07	6.05E-08	9.30E-08	9.18E-07
1779	494761.1	3859052	2.74E-03	2.95E-03	4.71E-03	9.47E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.07E-08	3.85E-07	5.94E-08	9.13E-08	9.01E-07
1780	494811.1	3859052	2.70E-03	2.92E-03	4.65E-03	9.34E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.99E-08	3.80E-07	5.86E-08	9.01E-08	8.89E-07
1781	494861.1	3859052	2.66E-03	2.87E-03	4.58E-03	9.21E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.19E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.75E-07	5.78E-08	8.88E-08	8.76E-07
1782	494911.1	3859052	2.60E-03	2.81E-03	4.48E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.68E-08	8.57E-07
1783	494961.1	3859052	2.52E-03	2.72E-03	4.33E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.39E-08	8.28E-07
1784	495011.1	3859052	2.45E-03	2.65E-03	4.22E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.06E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.32E-08	8.18E-08	8.08E-07
1785	495061.1	3859052	2.41E-03	2.60E-03	4.15E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.35E-08	3.39E-07	5.23E-08	8.04E-08	7.94E-07
1786	495111.1	3859052	2.39E-03	2.58E-03	4.11E-03	8.27E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.36E-07	5.18E-08	7.96E-08	7.86E-07
1787	495161.1	3859052	2.41E-03	2.60E-03	4.14E-03	8.33E-07	2.51E-06	1.46E-06	1.57E-06	1.42E-06	6.50E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.22E-08	8.02E-08	7.92E-07
1788	495211.1	3859052	2.38E-03	2.57E-03	4.09E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.02E-06	0.00E+00	0.00E+00	2.65E-07	5.28E-08	3.35E-07	5.16E-08	7.93E-08	7.83E-07
1789	495261.1	3859052	2.39E-03	2.58E-03	4.10E-03	8.26E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.29E-08	3.36E-07	5.18E-08	7.95E-08	7.85E-07
1790	495311.1	3859052	2.37E-03	2.56E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.25E-08	3.33E-07	5.14E-08	7.89E-08	7.79E-07
1791	495361.1	3859052	2.36E-03	2.55E-03	4.06E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.23E-08	3.32E-07	5.12E-08	7.87E-08	7.77E-07
1792	495411.1	3859052	2.36E-03	2.55E-03	4.06E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.23E-08	3.32E-07	5.12E-08	7.86E-08	7.77E-07
1793	495461.1	3859052	2.36E-03	2.54E-03	4.06E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	0.00E+00	0.00E+00	2.62E-07	5.23E-08	3.32E-07	5.11E-08	7.86E-08	7.76E-07
1794	495511.1	3859052	2.32E-03	2.51E-03	4.00E-03	8.04E-07	2.43E-06	1.41E-06	1.52E-06	1.38E-06	6.28E-07	1.00E-06	0.00E+00	0.00E+00	2.59E-07	5.15E-08	3.27E-07	5.04E-08	7.75E-08	7.65E-07
1795	495561.1	3859052	2.30E-03	2.48E-03	3.95E-03	7.96E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.21E-07	9.90E-07	0.00E+00	0.00E+00	2.56E-07	5.10E-08	3.23E-07	4.99E-08	7.66E-08	7.57E-07
1796	495611.1	3859052	2.28E-03	2.46E-03	3.92E-03	7.88E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.15E-07	9.80E-07	0.00E+00	0.00E+00	2.53E-07	5.05E-08	3.20E-07	4.94E-08	7.59E-08	7.50E-07
1797	495661.1	3859052	2.29E-03	2.47E-03	3.93E-03	7.91E-07	2.39E-06	1.38E-06	1.49E-06	1.35E-06	6.18E-07	9.84E-07	0.00E+00	0.00E+00	2.54E-07	5.07E-08	3.22E-07	4.96E-08	7.62E-08	7.53E-07
1798	494311.1	3859102	3.14E-03	3.39E-03	5.41E-03	1.09E-06	3.28E-06	1.90E-06	2.05E-06	1.86E-06	8.48E-07	1.35E-06	0.00E+00	0.00E+00	3.49E-07	6.96E-08	4.42E-07	6.81E-08	1.05E-07	1.03E-06
1799	494361.1	3859102	3.11E-03	3.36E-03	5.36E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.42E-07	1.34E-06	0.00E+00	0.00E+00	3.47E-07	6.91E-08	4.38E-07	6.76E-08	1.04E-07	1.03E-06
1800	494411.1	3859102	3.09E-03	3.34E-03	5.33E-03	1.07E-06	3.23E-06	1.87E-06	2.02E-06	1.83E-06	8.36E-07	1.33E-06	0.00E+00	0.00E+00	3.44E-07	6.86E-08	4.35E-07	6.72E-08	1.03E-07	1.02E-06
1801	494461.1	3859102	3.06E-03	3.30E-03	5.27E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.81E-06	8.27E-07	1.32E-06	0.00E+00	0.00E+00	3.40E-07	6.78E-08	4.31E-07	6.64E-08	1.02E-07	1.01E-06
1802	494511.1	3859102	3.01E-03	3.25E-03	5.18E-03	1.04E-06	3.14E-06	1.82E-06	1.97E-06	1.78E-06	8.13E-07	1.30E-06	0.00E+00	0.00E+00	3.35E-07	6.67E-08	4.23E-07	6.53E-08	1.00E-07	9.90E-07
1803	494561.1	3859102	2.97E-03	3.20E-03	5.11E-03	1.03E-06	3.10E-06	1.80E-06	1.94E-06	1.76E-06	8.02E-07	1.28E-06	0.00E+00	0.00E+00	3.30E-07	6.58E-08	4.18E-07	6.44E-08	9.90E-08	9.77E-07
1804	494611.1	3859102	2.90E-03	3.14E-03	5.00E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.85E-07	1.25E-06	0.00E+00	0.00E+00	3.23E-07	6.44E-08	4.09E-07	6.30E-08	9.69E-08	9.56E-07
1805	494661.1	3859102	2.86E-03	3.09E-03	4.93E-03	9.92E-07	2.99E-06	1.73E-06	1.87E-06	1.70E-06	7.74E-07	1.23E-06	0.00E+00	0.00E+00	3.19E-07	6.35E-08	4.03E-07	6.22E-08	9.56E-08	9.43E-07
1806	494711.1	3859102	2.79E-03	3.02E-03	4.81E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.55E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.93E-07	6.06E-08	9.32E-08	9.20E-07
1807	494761.1	3859102	2.78E-03	3.00E-03	4.78E-03	9.61E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.20E-06	0.00E+00	0.00E+00	3.09E-07	6.16E-08	3.91E-07	6.03E-08	9.26E-08	9.14E-07
1808	494811.1	3859102	2.73E-03	2.95E-03	4.70E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.18E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.11E-08	8.99E-07
1809	494861.1	3859102	2.69E-03	2.90E-03	4.63E-03	9.31E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.96E-08	3.78E-07	5.84E-08	8.97E-08	8.85E-07
1810	494911.1	3859102	2.63E-03	2.84E-03	4.53E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.83E-08	3.70E-07	5.71E-08	8.77E-08	8.66E-07
1811	494961.1	3859102	2.54E-03	2.74E-03	4.37E-03	8.78E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.63E-08	3.57E-07	5.51E-08	8.46E-08	8.36E-07
1812	495011.1	3859102	2.44E-03	2.64E-03	4.20E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.30E-08	8.15E-08	8.04E-07
1813	495061.1	3859102	2.44E-03	2.64E-03	4.20E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.30E-08	8.15E-08	8.05E-07
1814	495111.1	3859102	2.42E-03	2.61E-03	4.16E-03	8.37E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.36E-08	3.40E-07	5.25E-08	8.06E-08	7.96E-07
1815	495161.1	3859102	2.43E-03	2.63E-03	4.19E-03	8.43E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.40E-08	3.43E-07	5.28E-08	8.12E-08	8.02E-07
1816	495211.1	3859102	2.42E-03	2.61E-03	4.16E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.36E-08	3.40E-07	5.24E-08	8.06E-08	7.95E-07
1817	495261.1	3859102	2.41E-03	2.60E-03	4.15E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.35E-08	3.39E-07	5.23E-08	8.04E-08	7.94E-07

1818	495311.1	3859102	2.40E-03	2.60E-03	4.14E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.04E-06	0.00E+00	0.00E+00	2.67E-07	5.33E-08	3.38E-07	5.22E-08	8.01E-08	7.91E-07
1819	495361.1	3859102	2.40E-03	2.60E-03	4.14E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.50E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.33E-08	3.38E-07	5.22E-08	8.02E-08	7.92E-07
1820	495411.1	3859102	2.40E-03	2.59E-03	4.13E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.38E-07	5.21E-08	8.00E-08	7.90E-07
1821	495461.1	3859102	2.38E-03	2.57E-03	4.09E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.27E-08	3.34E-07	5.16E-08	7.92E-08	7.82E-07
1822	495511.1	3859102	2.36E-03	2.55E-03	4.07E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.39E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.24E-08	3.33E-07	5.13E-08	7.88E-08	7.78E-07
1823	495561.1	3859102	2.34E-03	2.53E-03	4.03E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.19E-08	3.30E-07	5.08E-08	7.81E-08	7.71E-07
1824	495611.1	3859102	2.32E-03	2.50E-03	3.98E-03	8.02E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.97E-07	0.00E+00	0.00E+00	2.58E-07	5.14E-08	3.26E-07	5.03E-08	7.72E-08	7.62E-07
1825	495661.1	3859102	2.31E-03	2.50E-03	3.98E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.96E-07	0.00E+00	0.00E+00	2.58E-07	5.13E-08	3.26E-07	5.02E-08	7.72E-08	7.62E-07
1826	494311.1	3859152	3.17E-03	3.42E-03	5.46E-03	1.10E-06	3.31E-06	1.92E-06	2.07E-06	1.88E-06	8.56E-07	1.37E-06	0.00E+00	0.00E+00	3.53E-07	7.03E-08	4.46E-07	6.87E-08	1.06E-07	1.04E-06
1827	494361.1	3859152	3.15E-03	3.40E-03	5.43E-03	1.09E-06	3.29E-06	1.91E-06	2.06E-06	1.87E-06	8.52E-07	1.36E-06	0.00E+00	0.00E+00	3.51E-07	6.99E-08	4.44E-07	6.84E-08	1.05E-07	1.04E-06
1828	494411.1	3859152	3.11E-03	3.36E-03	5.36E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.41E-07	1.34E-06	0.00E+00	0.00E+00	3.46E-07	6.90E-08	4.38E-07	6.75E-08	1.04E-07	1.02E-06
1829	494461.1	3859152	3.07E-03	3.32E-03	5.29E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.30E-07	1.32E-06	0.00E+00	0.00E+00	3.42E-07	6.81E-08	4.32E-07	6.66E-08	1.02E-07	1.01E-06
1830	494511.1	3859152	3.02E-03	3.26E-03	5.20E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.79E-06	8.15E-07	1.30E-06	0.00E+00	0.00E+00	3.36E-07	6.69E-08	4.25E-07	6.55E-08	1.01E-07	9.93E-07
1831	494561.1	3859152	2.98E-03	3.22E-03	5.14E-03	1.03E-06	3.12E-06	1.81E-06	1.95E-06	1.77E-06	8.06E-07	1.29E-06	0.00E+00	0.00E+00	3.32E-07	6.62E-08	4.20E-07	6.48E-08	9.96E-08	9.83E-07
1832	494611.1	3859152	2.93E-03	3.16E-03	5.05E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.74E-06	7.92E-07	1.26E-06	0.00E+00	0.00E+00	3.26E-07	6.50E-08	4.12E-07	6.36E-08	9.78E-08	9.65E-07
1833	494661.1	3859152	2.89E-03	3.13E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	0.00E+00	0.00E+00	3.22E-07	6.42E-08	4.07E-07	6.28E-08	9.66E-08	9.53E-07
1834	494711.1	3859152	2.86E-03	3.09E-03	4.93E-03	9.92E-07	2.99E-06	1.73E-06	1.87E-06	1.70E-06	7.74E-07	1.23E-06	0.00E+00	0.00E+00	3.19E-07	6.35E-08	4.03E-07	6.22E-08	9.56E-08	9.43E-07
1835	494761.1	3859152	2.80E-03	3.02E-03	4.82E-03	9.69E-07	2.93E-06	1.69E-06	1.83E-06	1.66E-06	7.57E-07	1.21E-06	0.00E+00	0.00E+00	3.12E-07	6.21E-08	3.94E-07	6.08E-08	9.35E-08	9.22E-07
1836	494811.1	3859152	2.75E-03	2.97E-03	4.73E-03	9.51E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.18E-06	0.00E+00	0.00E+00	3.06E-07	6.09E-08	3.87E-07	5.96E-08	9.17E-08	9.05E-07
1837	494861.1	3859152	2.71E-03	2.93E-03	4.67E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.02E-08	3.82E-07	5.89E-08	9.05E-08	8.94E-07
1838	494911.1	3859152	2.65E-03	2.86E-03	4.56E-03	9.16E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.87E-08	3.73E-07	5.75E-08	8.83E-08	8.72E-07
1839	494961.1	3859152	2.56E-03	2.76E-03	4.40E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.53E-08	8.42E-07
1840	495011.1	3859152	2.47E-03	2.67E-03	4.26E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	0.00E+00	0.00E+00	2.75E-07	5.49E-08	3.48E-07	5.37E-08	8.25E-08	8.15E-07
1841	495061.1	3859152	2.47E-03	2.66E-03	4.24E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.47E-08	3.47E-07	5.35E-08	8.23E-08	8.12E-07
1842	495111.1	3859152	2.45E-03	2.65E-03	4.22E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.06E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.32E-08	8.17E-08	8.07E-07
1843	495161.1	3859152	2.47E-03	2.67E-03	4.25E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.47E-08	3.47E-07	5.36E-08	8.23E-08	8.13E-07
1844	495211.1	3859152	2.46E-03	2.65E-03	4.23E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.64E-07	1.06E-06	0.00E+00	0.00E+00	2.73E-07	5.45E-08	3.46E-07	5.33E-08	8.19E-08	8.09E-07
1845	495261.1	3859152	2.44E-03	2.64E-03	4.21E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.30E-08	8.15E-08	8.05E-07
1846	495311.1	3859152	2.44E-03	2.63E-03	4.19E-03	8.43E-07	2.55E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.40E-08	3.43E-07	5.29E-08	8.13E-08	8.02E-07
1847	495361.1	3859152	2.43E-03	2.62E-03	4.18E-03	8.40E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.05E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.27E-08	8.09E-08	7.99E-07
1848	495411.1	3859152	2.44E-03	2.63E-03	4.20E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.41E-08	3.43E-07	5.29E-08	8.14E-08	8.03E-07
1849	495461.1	3859152	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.70E-07	5.39E-08	3.42E-07	5.27E-08	8.11E-08	8.00E-07
1850	495511.1	3859152	2.40E-03	2.59E-03	4.13E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.38E-07	5.21E-08	8.01E-08	7.90E-07
1851	495561.1	3859152	2.38E-03	2.57E-03	4.10E-03	8.24E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.02E-06	0.00E+00	0.00E+00	2.65E-07	5.28E-08	3.35E-07	5.16E-08	7.94E-08	7.83E-07
1852	495611.1	3859152	2.36E-03	2.55E-03	4.06E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.24E-08	3.32E-07	5.13E-08	7.88E-08	7.78E-07
1853	495661.1	3859152	2.35E-03	2.53E-03	4.04E-03	8.12E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.20E-08	3.30E-07	5.09E-08	7.83E-08	7.73E-07
1854	494311.1	3859202	3.19E-03	3.44E-03	5.49E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.89E-06	8.62E-07	1.37E-06	0.00E+00	0.00E+00	3.55E-07	7.07E-08	4.49E-07	6.92E-08	1.06E-07	1.05E-06
1855	494361.1	3859202	3.16E-03	3.42E-03	5.45E-03	1.10E-06	3.31E-06	1.91E-06	2.07E-06	1.87E-06	8.55E-07	1.36E-06	0.00E+00	0.00E+00	3.52E-07	7.02E-08	4.45E-07	6.87E-08	1.06E-07	1.04E-06
1856	494411.1	3859202	3.13E-03	3.38E-03	5.39E-03	1.08E-06	3.27E-06	1.89E-06	2.05E-06	1.85E-06	8.46E-07	1.35E-06	0.00E+00	0.00E+00	3.48E-07	6.94E-08	4.41E-07	6.79E-08	1.05E-07	1.03E-06
1857	494461.1	3859202	3.08E-03	3.33E-03	5.31E-03	1.07E-06	3.22E-06	1.86E-06	2.01E-06	1.83E-06	8.33E-07	1.33E-06	0.00E+00	0.00E+00	3.43E-07	6.83E-08	4.34E-07	6.69E-08	1.03E-07	1.01E-06
1858	494511.1	3859202	3.05E-03	3.29E-03	5.25E-03	1.05E-06	3.19E-06	1.84E-06	1.99E-06	1.81E-06	8.24E-07	1.31E-06	0.00E+00	0.00E+00	3.39E-07	6.76E-08	4.29E-07	6.61E-08	1.02E-07	1.00E-06
1859	494561.1	3859202	2.99E-03	3.23E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.29E-06	0.00E+00	0.00E+00	3.33E-07	6.64E-08	4.21E-07	6.49E-08	9.99E-08	9.85E-07
1860	494611.1	3859202	2.95E-03	3.18E-03	5.08E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	0.00E+00	0.00E+00	3.28E-07	6.54E-08	4.15E-07	6.40E-08	9.84E-08	9.71E-07
1861	494661.1	3859202	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.73E-06	7.87E-07	1.26E-06	0.00E+00	0.00E+00	3.24E-07	6.46E-08	4.10E-07	6.32E-08	9.73E-08	9.59E-07
1862	494711.1	3859202	2.88E-03	3.11E-03	4.96E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.71E-06	7.78E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.39E-08	4.05E-07	6.25E-08	9.61E-08	9.48E-07
1863	494761.1	3859202	2.82E-03	3.05E-03	4.86E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.22E-06	0.00E+00	0.00E+00	3.14E-07	6.26E-08	3.97E-07	6.12E-08	9.41E-08	9.29E-07
1864	494811.1	3859202	2.77E-03	2.99E-03	4.77E-03	9.59E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.90E-07	6.02E-08	9.25E-08	9.13E-07
1865	494861.1	3859202	2.72E-03	2.93E-03	4.68E-03	9.40E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.34E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.02E-08	3.82E-07	5.89E-08	9.06E-08	8.94E-07
1866	494911.1	3859202	2.64E-03	2.85E-03	4.55E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.14E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.74E-08	8.82E-08	8.70E-07
1867	494961.1	3859202	2.57E-03	2.77E-03	4.42E-03	8.89E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.57E-08	8.45E-07
1868	495011.1	3859202	2.47E-03	2.66E-03	4.25E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.47E-08	3.47E-07	5.35E-08	8.23E-08	8.12E-07
1869	495061.1	3859202	2.50E-03	2.70E-03	4.31E-03	8.67E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.35E-08	8.24E-07
1870	495111.1	3859202	2.50E-03	2.70E-03	4.31E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.55E-08	3.52E-07	5.43E-08	8.35E-08	8.24E-07
1871	495161.1	3859202	2.50E-03	2.69E-03	4.30E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.53E-08	3.51E-07	5.42E-08	8.32E-08	8.22E-07
1872	495211.1	3859202	2.47E-03	2.67E-03	4.26E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	0.00E+00	0.00E+00	2.75E-07	5.49E-08	3.48E-07	5.37E-08	8.25E-08	8.15E-07
1873	495261.1	3859202	2.47E-03	2.67E-03	4.26E-03	8.56E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	0.00E+00	0.00E+00	2.75E-07	5.49E-08	3.48E-07	5.37E-08	8.25E-08	8.15E-07
1874	495311.1	3859202	2.47E-03	2.66E-03	4.25E-03	8.54E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.47E-08	3.47E-07	5.35E-08	8.23E-08	8.12E-07

1875	495361.1	3859202	2.46E-03	2.66E-03	4.24E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.47E-07	5.34E-08	8.21E-08	8.11E-07
1876	495411.1	3859202	2.47E-03	2.67E-03	4.25E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.24E-08	8.14E-07
1877	495461.1	3859202	2.46E-03	2.65E-03	4.23E-03	8.50E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.64E-07	1.06E-06	0.00E+00	0.00E+00	2.73E-07	5.45E-08	3.46E-07	5.33E-08	8.20E-08	8.09E-07
1878	495511.1	3859202	2.44E-03	2.64E-03	4.21E-03	8.46E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.30E-08	8.15E-08	8.04E-07
1879	495561.1	3859202	2.41E-03	2.60E-03	4.15E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.35E-08	3.39E-07	5.23E-08	8.04E-08	7.94E-07
1880	495611.1	3859202	2.39E-03	2.58E-03	4.11E-03	8.27E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.36E-07	5.18E-08	7.97E-08	7.86E-07
1881	495661.1	3859202	2.37E-03	2.56E-03	4.09E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.34E-07	5.15E-08	7.92E-08	7.82E-07
1882	494311.1	3859252	3.20E-03	3.46E-03	5.52E-03	1.11E-06	3.35E-06	1.94E-06	2.09E-06	1.90E-06	8.66E-07	1.38E-06	0.00E+00	0.00E+00	3.57E-07	7.11E-08	4.51E-07	6.96E-08	1.07E-07	1.06E-06
1883	494361.1	3859252	3.17E-03	3.42E-03	5.46E-03	1.10E-06	3.31E-06	1.92E-06	2.07E-06	1.88E-06	8.57E-07	1.37E-06	0.00E+00	0.00E+00	3.53E-07	7.03E-08	4.46E-07	6.88E-08	1.06E-07	1.04E-06
1884	494411.1	3859252	3.12E-03	3.37E-03	5.38E-03	1.08E-06	3.26E-06	1.89E-06	2.04E-06	1.85E-06	8.44E-07	1.35E-06	0.00E+00	0.00E+00	3.47E-07	6.92E-08	4.39E-07	6.77E-08	1.04E-07	1.03E-06
1885	494461.1	3859252	3.09E-03	3.34E-03	5.32E-03	1.07E-06	3.23E-06	1.87E-06	2.02E-06	1.83E-06	8.35E-07	1.33E-06	0.00E+00	0.00E+00	3.44E-07	6.85E-08	4.35E-07	6.70E-08	1.03E-07	1.02E-06
1886	494511.1	3859252	3.03E-03	3.28E-03	5.23E-03	1.05E-06	3.17E-06	1.84E-06	1.98E-06	1.80E-06	8.20E-07	1.31E-06	0.00E+00	0.00E+00	3.38E-07	6.73E-08	4.27E-07	6.59E-08	1.01E-07	1.00E-06
1887	494561.1	3859252	3.00E-03	3.24E-03	5.17E-03	1.04E-06	3.14E-06	1.81E-06	1.96E-06	1.78E-06	8.11E-07	1.29E-06	0.00E+00	0.00E+00	3.34E-07	6.65E-08	4.22E-07	6.51E-08	1.00E-07	9.88E-07
1888	494611.1	3859252	2.95E-03	3.19E-03	5.09E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.98E-07	1.27E-06	0.00E+00	0.00E+00	3.29E-07	6.55E-08	4.16E-07	6.41E-08	9.86E-08	9.73E-07
1889	494661.1	3859252	2.93E-03	3.16E-03	5.04E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.92E-07	1.26E-06	0.00E+00	0.00E+00	3.26E-07	6.50E-08	4.12E-07	6.36E-08	9.78E-08	9.64E-07
1890	494711.1	3859252	2.89E-03	3.13E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	0.00E+00	0.00E+00	3.22E-07	6.42E-08	4.07E-07	6.28E-08	9.66E-08	9.53E-07
1891	494761.1	3859252	2.80E-03	3.03E-03	4.83E-03	9.71E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.21E-06	0.00E+00	0.00E+00	3.12E-07	6.22E-08	3.95E-07	6.09E-08	9.36E-08	9.24E-07
1892	494811.1	3859252	2.79E-03	3.01E-03	4.81E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.19E-08	3.93E-07	6.06E-08	9.32E-08	9.19E-07
1893	494861.1	3859252	2.71E-03	2.93E-03	4.67E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.32E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.81E-07	5.88E-08	9.04E-08	8.92E-07
1894	494911.1	3859252	2.64E-03	2.85E-03	4.54E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.73E-08	8.80E-08	8.69E-07
1895	494961.1	3859252	2.60E-03	2.81E-03	4.48E-03	9.00E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.68E-08	8.57E-07
1896	495011.1	3859252	2.56E-03	2.76E-03	4.40E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.53E-08	8.42E-07
1897	495061.1	3859252	2.56E-03	2.76E-03	4.41E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.55E-08	8.54E-08	8.43E-07
1898	495111.1	3859252	2.54E-03	2.74E-03	4.38E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.48E-08	8.37E-07
1899	495161.1	3859252	2.53E-03	2.74E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.57E-07	5.50E-08	8.45E-08	8.34E-07
1900	495211.1	3859252	2.51E-03	2.71E-03	4.33E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.39E-08	8.28E-07
1901	495261.1	3859252	2.51E-03	2.71E-03	4.32E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.56E-08	3.53E-07	5.44E-08	8.37E-08	8.26E-07
1902	495311.1	3859252	2.51E-03	2.71E-03	4.32E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.56E-08	3.53E-07	5.44E-08	8.37E-08	8.26E-07
1903	495361.1	3859252	2.50E-03	2.70E-03	4.30E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.51E-07	5.42E-08	8.33E-08	8.22E-07
1904	495411.1	3859252	2.50E-03	2.70E-03	4.31E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.55E-08	3.52E-07	5.43E-08	8.35E-08	8.24E-07
1905	495461.1	3859252	2.49E-03	2.69E-03	4.28E-03	8.61E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.72E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.52E-08	3.50E-07	5.40E-08	8.30E-08	8.19E-07
1906	495511.1	3859252	2.46E-03	2.66E-03	4.24E-03	8.51E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.45E-08	3.46E-07	5.34E-08	8.21E-08	8.10E-07
1907	495561.1	3859252	2.44E-03	2.63E-03	4.20E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.41E-08	3.43E-07	5.29E-08	8.14E-08	8.03E-07
1908	495611.1	3859252	2.41E-03	2.60E-03	4.15E-03	8.34E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.35E-08	3.39E-07	5.23E-08	8.04E-08	7.94E-07
1909	495661.1	3859252	2.39E-03	2.58E-03	4.12E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.47E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.31E-08	3.37E-07	5.19E-08	7.98E-08	7.88E-07
1910	494311.1	3859302	3.21E-03	3.47E-03	5.53E-03	1.11E-06	3.36E-06	1.94E-06	2.10E-06	1.90E-06	8.68E-07	1.38E-06	0.00E+00	0.00E+00	3.57E-07	7.12E-08	4.52E-07	6.97E-08	1.07E-07	1.06E-06
1911	494361.1	3859302	3.17E-03	3.43E-03	5.47E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.58E-07	1.37E-06	0.00E+00	0.00E+00	3.53E-07	7.04E-08	4.47E-07	6.89E-08	1.06E-07	1.05E-06
1912	494411.1	3859302	3.13E-03	3.38E-03	5.39E-03	1.08E-06	3.27E-06	1.89E-06	2.04E-06	1.85E-06	8.46E-07	1.35E-06	0.00E+00	0.00E+00	3.48E-07	6.94E-08	4.40E-07	6.79E-08	1.04E-07	1.03E-06
1913	494461.1	3859302	3.08E-03	3.33E-03	5.31E-03	1.07E-06	3.22E-06	1.86E-06	2.01E-06	1.83E-06	8.33E-07	1.33E-06	0.00E+00	0.00E+00	3.43E-07	6.83E-08	4.34E-07	6.69E-08	1.03E-07	1.01E-06
1914	494511.1	3859302	3.04E-03	3.28E-03	5.24E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.22E-07	1.31E-06	0.00E+00	0.00E+00	3.38E-07	6.74E-08	4.28E-07	6.60E-08	1.01E-07	1.00E-06
1915	494561.1	3859302	3.01E-03	3.25E-03	5.18E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.13E-07	1.30E-06	0.00E+00	0.00E+00	3.35E-07	6.67E-08	4.23E-07	6.53E-08	1.00E-07	9.90E-07
1916	494611.1	3859302	2.97E-03	3.21E-03	5.11E-03	1.03E-06	3.10E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.59E-08	4.18E-07	6.44E-08	9.91E-08	9.78E-07
1917	494661.1	3859302	2.93E-03	3.17E-03	5.05E-03	1.02E-06	3.06E-06	1.77E-06	1.92E-06	1.74E-06	7.93E-07	1.26E-06	0.00E+00	0.00E+00	3.26E-07	6.50E-08	4.13E-07	6.37E-08	9.79E-08	9.66E-07
1918	494711.1	3859302	2.89E-03	3.12E-03	4.97E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.81E-07	1.24E-06	0.00E+00	0.00E+00	3.21E-07	6.41E-08	4.06E-07	6.27E-08	9.64E-08	9.51E-07
1919	494761.1	3859302	2.85E-03	3.08E-03	4.91E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.32E-08	4.01E-07	6.18E-08	9.51E-08	9.38E-07
1920	494811.1	3859302	2.79E-03	3.01E-03	4.81E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.19E-08	3.93E-07	6.06E-08	9.31E-08	9.19E-07
1921	494861.1	3859302	2.71E-03	2.93E-03	4.67E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.81E-07	5.88E-08	9.04E-08	8.92E-07
1922	494911.1	3859302	2.67E-03	2.88E-03	4.60E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.76E-07	5.79E-08	8.91E-08	8.79E-07
1923	494961.1	3859302	2.59E-03	2.79E-03	4.46E-03	8.96E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.12E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.62E-08	8.64E-08	8.52E-07
1924	495011.1	3859302	2.56E-03	2.76E-03	4.41E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.54E-08	8.42E-07
1925	495061.1	3859302	2.59E-03	2.80E-03	4.47E-03	8.98E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.75E-08	3.65E-07	5.63E-08	8.66E-08	8.54E-07
1926	495111.1	3859302	2.55E-03	2.76E-03	4.40E-03	8.84E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.52E-08	8.41E-07
1927	495161.1	3859302	2.54E-03	2.75E-03	4.38E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.49E-08	8.38E-07
1928	495211.1	3859302	2.55E-03	2.76E-03	4.40E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.67E-08	3.60E-07	5.54E-08	8.53E-08	8.41E-07
1929	495261.1	3859302	2.55E-03	2.76E-03	4.40E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.52E-08	8.40E-07
1930	495311.1	3859302	2.52E-03	2.73E-03	4.35E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.82E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.60E-08	3.55E-07	5.48E-08	8.42E-08	8.31E-07
1931	495361.1	3859302	2.53E-03	2.73E-03	4.35E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.60E-08	3.55E-07	5.48E-08	8.43E-08	8.32E-07

1932	495411.1	3859302	2.52E-03	2.72E-03	4.34E-03	8.71E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.80E-07	1.09E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.40E-08	8.29E-07
1933	495461.1	3859302	2.51E-03	2.71E-03	4.33E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.54E-07	5.45E-08	8.39E-08	8.27E-07
1934	495511.1	3859302	2.49E-03	2.69E-03	4.28E-03	8.61E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.72E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.52E-08	3.50E-07	5.40E-08	8.30E-08	8.19E-07
1935	495561.1	3859302	2.45E-03	2.64E-03	4.21E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.43E-08	3.44E-07	5.31E-08	8.16E-08	8.06E-07
1936	495611.1	3859302	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.70E-07	5.39E-08	3.42E-07	5.27E-08	8.11E-08	8.00E-07
1937	495661.1	3859302	2.41E-03	2.60E-03	4.15E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.35E-08	3.39E-07	5.23E-08	8.05E-08	7.94E-07
1938	494311.1	3859352	3.20E-03	3.46E-03	5.51E-03	1.11E-06	3.34E-06	1.94E-06	2.09E-06	1.90E-06	8.65E-07	1.38E-06	0.00E+00	0.00E+00	3.56E-07	7.10E-08	4.50E-07	6.94E-08	1.07E-07	1.05E-06
1939	494361.1	3859352	3.16E-03	3.42E-03	5.45E-03	1.10E-06	3.31E-06	1.91E-06	2.07E-06	1.87E-06	8.55E-07	1.36E-06	0.00E+00	0.00E+00	3.52E-07	7.02E-08	4.45E-07	6.87E-08	1.06E-07	1.04E-06
1940	494411.1	3859352	3.12E-03	3.37E-03	5.37E-03	1.08E-06	3.26E-06	1.89E-06	2.04E-06	1.85E-06	8.42E-07	1.34E-06	0.00E+00	0.00E+00	3.47E-07	6.91E-08	4.39E-07	6.76E-08	1.04E-07	1.03E-06
1941	494461.1	3859352	3.07E-03	3.32E-03	5.29E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.31E-07	1.33E-06	0.00E+00	0.00E+00	3.42E-07	6.82E-08	4.33E-07	6.67E-08	1.03E-07	1.01E-06
1942	494511.1	3859352	3.04E-03	3.28E-03	5.23E-03	1.05E-06	3.17E-06	1.84E-06	1.98E-06	1.80E-06	8.21E-07	1.31E-06	0.00E+00	0.00E+00	3.38E-07	6.73E-08	4.27E-07	6.59E-08	1.01E-07	1.00E-06
1943	494561.1	3859352	3.01E-03	3.25E-03	5.18E-03	1.04E-06	3.14E-06	1.82E-06	1.97E-06	1.78E-06	8.13E-07	1.30E-06	0.00E+00	0.00E+00	3.35E-07	6.67E-08	4.23E-07	6.53E-08	1.00E-07	9.90E-07
1944	494611.1	3859352	2.97E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.60E-08	4.19E-07	6.46E-08	9.93E-08	9.79E-07
1945	494661.1	3859352	2.94E-03	3.17E-03	5.06E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.27E-06	0.00E+00	0.00E+00	3.27E-07	6.52E-08	4.14E-07	6.38E-08	9.81E-08	9.68E-07
1946	494711.1	3859352	2.89E-03	3.12E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	0.00E+00	0.00E+00	3.22E-07	6.41E-08	4.07E-07	6.28E-08	9.65E-08	9.52E-07
1947	494761.1	3859352	2.83E-03	3.06E-03	4.88E-03	9.80E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.65E-07	1.22E-06	0.00E+00	0.00E+00	3.15E-07	6.28E-08	3.99E-07	6.15E-08	9.45E-08	9.32E-07
1948	494811.1	3859352	2.75E-03	2.97E-03	4.73E-03	9.51E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.18E-06	0.00E+00	0.00E+00	3.06E-07	6.09E-08	3.87E-07	5.96E-08	9.17E-08	9.05E-07
1949	494861.1	3859352	2.72E-03	2.93E-03	4.68E-03	9.40E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.34E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.02E-08	3.82E-07	5.90E-08	9.07E-08	8.95E-07
1950	494911.1	3859352	2.70E-03	2.91E-03	4.64E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.98E-08	3.79E-07	5.85E-08	9.00E-08	8.88E-07
1951	494961.1	3859352	2.66E-03	2.87E-03	4.58E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.19E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.74E-07	5.77E-08	8.87E-08	8.75E-07
1952	495011.1	3859352	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.70E-07	5.71E-08	8.79E-08	8.67E-07
1953	495061.1	3859352	2.65E-03	2.86E-03	4.56E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.87E-08	3.73E-07	5.75E-08	8.84E-08	8.72E-07
1954	495111.1	3859352	2.62E-03	2.83E-03	4.51E-03	9.06E-07	2.74E-06	1.58E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	0.00E+00	0.00E+00	2.91E-07	5.81E-08	3.69E-07	5.68E-08	8.74E-08	8.62E-07
1955	495161.1	3859352	2.61E-03	2.81E-03	4.49E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.78E-08	3.67E-07	5.65E-08	8.70E-08	8.58E-07
1956	495211.1	3859352	2.59E-03	2.80E-03	4.46E-03	8.96E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.65E-07	5.62E-08	8.64E-08	8.53E-07
1957	495261.1	3859352	2.59E-03	2.79E-03	4.45E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.61E-08	8.63E-08	8.52E-07
1958	495311.1	3859352	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.61E-07	5.56E-08	8.55E-08	8.44E-07
1959	495361.1	3859352	2.55E-03	2.75E-03	4.39E-03	8.82E-07	2.66E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.59E-07	5.53E-08	8.51E-08	8.39E-07
1960	495411.1	3859352	2.54E-03	2.75E-03	4.38E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.49E-08	8.37E-07
1961	495461.1	3859352	2.54E-03	2.75E-03	4.38E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.48E-08	8.37E-07
1962	495511.1	3859352	2.51E-03	2.71E-03	4.32E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.56E-08	3.53E-07	5.44E-08	8.37E-08	8.26E-07
1963	495561.1	3859352	2.48E-03	2.68E-03	4.28E-03	8.59E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.51E-08	3.49E-07	5.39E-08	8.29E-08	8.18E-07
1964	495611.1	3859352	2.47E-03	2.66E-03	4.25E-03	8.53E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.47E-08	3.47E-07	5.35E-08	8.23E-08	8.12E-07
1965	495661.1	3859352	2.43E-03	2.63E-03	4.19E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.39E-08	3.42E-07	5.28E-08	8.12E-08	8.01E-07
1966	494311.1	3859402	3.19E-03	3.45E-03	5.50E-03	1.11E-06	3.34E-06	1.93E-06	2.09E-06	1.89E-06	8.63E-07	1.38E-06	0.00E+00	0.00E+00	3.56E-07	7.08E-08	4.50E-07	6.93E-08	1.07E-07	1.05E-06
1967	494361.1	3859402	3.15E-03	3.40E-03	5.42E-03	1.09E-06	3.29E-06	1.91E-06	2.06E-06	1.87E-06	8.51E-07	1.36E-06	0.00E+00	0.00E+00	3.51E-07	6.98E-08	4.43E-07	6.84E-08	1.05E-07	1.04E-06
1968	494411.1	3859402	3.10E-03	3.35E-03	5.34E-03	1.07E-06	3.24E-06	1.88E-06	2.03E-06	1.84E-06	8.38E-07	1.34E-06	0.00E+00	0.00E+00	3.45E-07	6.88E-08	4.36E-07	6.73E-08	1.03E-07	1.02E-06
1969	494461.1	3859402	3.06E-03	3.31E-03	5.28E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.82E-06	8.28E-07	1.32E-06	0.00E+00	0.00E+00	3.41E-07	6.80E-08	4.31E-07	6.65E-08	1.02E-07	1.01E-06
1970	494511.1	3859402	3.04E-03	3.28E-03	5.24E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.22E-07	1.31E-06	0.00E+00	0.00E+00	3.38E-07	6.74E-08	4.28E-07	6.60E-08	1.01E-07	1.00E-06
1971	494561.1	3859402	3.01E-03	3.25E-03	5.19E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.78E-06	8.14E-07	1.30E-06	0.00E+00	0.00E+00	3.35E-07	6.68E-08	4.24E-07	6.54E-08	1.00E-07	9.92E-07
1972	494611.1	3859402	2.97E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.60E-08	4.19E-07	6.45E-08	9.93E-08	9.79E-07
1973	494661.1	3859402	2.95E-03	3.18E-03	5.08E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	0.00E+00	0.00E+00	3.28E-07	6.54E-08	4.15E-07	6.40E-08	9.84E-08	9.71E-07
1974	494711.1	3859402	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.73E-06	7.88E-07	1.26E-06	0.00E+00	0.00E+00	3.24E-07	6.47E-08	4.10E-07	6.33E-08	9.73E-08	9.60E-07
1975	494761.1	3859402	2.85E-03	3.08E-03	4.91E-03	9.87E-07	2.98E-06	1.73E-06	1.86E-06	1.69E-06	7.71E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.33E-08	4.01E-07	6.19E-08	9.52E-08	9.39E-07
1976	494811.1	3859402	2.80E-03	3.03E-03	4.83E-03	9.71E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.21E-06	0.00E+00	0.00E+00	3.12E-07	6.22E-08	3.95E-07	6.09E-08	9.36E-08	9.24E-07
1977	494861.1	3859402	2.74E-03	2.96E-03	4.73E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.09E-08	3.86E-07	5.95E-08	9.16E-08	9.03E-07
1978	494911.1	3859402	2.71E-03	2.92E-03	4.66E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.17E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.81E-07	5.87E-08	9.03E-08	8.91E-07
1979	494961.1	3859402	2.69E-03	2.90E-03	4.63E-03	9.30E-07	2.81E-06	1.62E-06	1.76E-06	1.59E-06	7.26E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.96E-08	3.78E-07	5.83E-08	8.97E-08	8.84E-07
1980	495011.1	3859402	2.67E-03	2.89E-03	4.60E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.93E-08	3.76E-07	5.80E-08	8.92E-08	8.80E-07
1981	495061.1	3859402	2.66E-03	2.88E-03	4.59E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.78E-08	8.89E-08	8.77E-07
1982	495111.1	3859402	2.63E-03	2.84E-03	4.54E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.14E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.71E-07	5.72E-08	8.79E-08	8.67E-07
1983	495161.1	3859402	2.62E-03	2.83E-03	4.52E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.69E-07	5.70E-08	8.76E-08	8.64E-07
1984	495211.1	3859402	2.62E-03	2.83E-03	4.52E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.75E-08	8.63E-07
1985	495261.1	3859402	2.61E-03	2.82E-03	4.49E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.78E-08	3.67E-07	5.66E-08	8.70E-08	8.59E-07
1986	495311.1	3859402	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	0.00E+00	0.00E+00	2.88E-07	5.75E-08	3.65E-07	5.62E-08	8.65E-08	8.53E-07
1987	495361.1	3859402	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	0.00E+00	0.00E+00	2.88E-07	5.75E-08	3.65E-07	5.62E-08	8.65E-08	8.53E-07
1988	495411.1	3859402	2.58E-03	2.79E-03	4.44E-03	8.93E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.97E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.60E-08	8.61E-08	8.50E-07

1989	495461.1	3859402	2.56E-03	2.76E-03	4.41E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.55E-08	8.54E-08	8.43E-07
1990	495511.1	3859402	2.53E-03	2.73E-03	4.35E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.61E-08	3.56E-07	5.48E-08	8.44E-08	8.32E-07
1991	495561.1	3859402	2.49E-03	2.69E-03	4.29E-03	8.62E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.73E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.52E-08	3.50E-07	5.40E-08	8.31E-08	8.20E-07
1992	495611.1	3859402	2.47E-03	2.67E-03	4.25E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.24E-08	8.13E-07
1993	495661.1	3859402	2.45E-03	2.65E-03	4.23E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.06E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.32E-08	8.19E-08	8.08E-07
1994	494311.1	3859452	3.17E-03	3.42E-03	5.45E-03	1.10E-06	3.31E-06	1.92E-06	2.07E-06	1.88E-06	8.56E-07	1.36E-06	0.00E+00	0.00E+00	3.52E-07	7.02E-08	4.46E-07	6.87E-08	1.06E-07	1.04E-06
1995	494361.1	3859452	3.13E-03	3.38E-03	5.38E-03	1.08E-06	3.27E-06	1.89E-06	2.04E-06	1.85E-06	8.45E-07	1.35E-06	0.00E+00	0.00E+00	3.48E-07	6.94E-08	4.40E-07	6.79E-08	1.04E-07	1.03E-06
1996	494411.1	3859452	3.07E-03	3.32E-03	5.29E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.30E-07	1.32E-06	0.00E+00	0.00E+00	3.42E-07	6.81E-08	4.32E-07	6.67E-08	1.02E-07	1.01E-06
1997	494461.1	3859452	3.05E-03	3.30E-03	5.26E-03	1.06E-06	3.19E-06	1.85E-06	2.00E-06	1.81E-06	8.25E-07	1.32E-06	0.00E+00	0.00E+00	3.40E-07	6.77E-08	4.30E-07	6.63E-08	1.02E-07	1.01E-06
1998	494511.1	3859452	3.02E-03	3.26E-03	5.20E-03	1.05E-06	3.16E-06	1.83E-06	1.97E-06	1.79E-06	8.16E-07	1.30E-06	0.00E+00	0.00E+00	3.36E-07	6.70E-08	4.25E-07	6.55E-08	1.01E-07	9.94E-07
1999	494561.1	3859452	2.99E-03	3.23E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.29E-06	0.00E+00	0.00E+00	3.33E-07	6.64E-08	4.21E-07	6.50E-08	9.99E-08	9.86E-07
2000	494611.1	3859452	2.98E-03	3.21E-03	5.13E-03	1.03E-06	3.11E-06	1.80E-06	1.95E-06	1.76E-06	8.05E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.60E-08	4.19E-07	6.46E-08	9.93E-08	9.80E-07
2001	494661.1	3859452	2.94E-03	3.17E-03	5.06E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.95E-07	1.27E-06	0.00E+00	0.00E+00	3.27E-07	6.52E-08	4.14E-07	6.38E-08	9.81E-08	9.68E-07
2002	494711.1	3859452	2.90E-03	3.13E-03	5.00E-03	1.00E-06	3.03E-06	1.76E-06	1.90E-06	1.72E-06	7.84E-07	1.25E-06	0.00E+00	0.00E+00	3.23E-07	6.44E-08	4.08E-07	6.30E-08	9.69E-08	9.56E-07
2003	494761.1	3859452	2.87E-03	3.10E-03	4.94E-03	9.94E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.37E-08	4.04E-07	6.23E-08	9.58E-08	9.45E-07
2004	494811.1	3859452	2.82E-03	3.05E-03	4.86E-03	9.77E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.63E-07	1.22E-06	0.00E+00	0.00E+00	3.14E-07	6.26E-08	3.97E-07	6.12E-08	9.42E-08	9.29E-07
2005	494861.1	3859452	2.78E-03	3.00E-03	4.79E-03	9.62E-07	2.91E-06	1.68E-06	1.82E-06	1.65E-06	7.52E-07	1.20E-06	0.00E+00	0.00E+00	3.09E-07	6.17E-08	3.91E-07	6.03E-08	9.28E-08	9.16E-07
2006	494911.1	3859452	2.75E-03	2.97E-03	4.74E-03	9.52E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.19E-06	0.00E+00	0.00E+00	3.06E-07	6.10E-08	3.87E-07	5.97E-08	9.18E-08	9.05E-07
2007	494961.1	3859452	2.73E-03	2.95E-03	4.71E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.38E-07	1.18E-06	0.00E+00	0.00E+00	3.04E-07	6.06E-08	3.85E-07	5.93E-08	9.12E-08	9.00E-07
2008	495011.1	3859452	2.71E-03	2.93E-03	4.67E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.81E-07	5.88E-08	9.04E-08	8.92E-07
2009	495061.1	3859452	2.69E-03	2.90E-03	4.63E-03	9.30E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.26E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.96E-08	3.78E-07	5.83E-08	8.97E-08	8.85E-07
2010	495111.1	3859452	2.66E-03	2.88E-03	4.59E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.91E-08	3.75E-07	5.78E-08	8.89E-08	8.77E-07
2011	495161.1	3859452	2.65E-03	2.87E-03	4.57E-03	9.19E-07	2.77E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.89E-08	3.73E-07	5.76E-08	8.86E-08	8.74E-07
2012	495211.1	3859452	2.65E-03	2.86E-03	4.56E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.87E-08	3.73E-07	5.75E-08	8.84E-08	8.72E-07
2013	495261.1	3859452	2.64E-03	2.85E-03	4.55E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.73E-08	8.81E-08	8.70E-07
2014	495311.1	3859452	2.62E-03	2.83E-03	4.52E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.69E-07	5.69E-08	8.76E-08	8.64E-07
2015	495361.1	3859452	2.61E-03	2.82E-03	4.50E-03	9.03E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.13E-06	0.00E+00	0.00E+00	2.90E-07	5.79E-08	3.67E-07	5.66E-08	8.71E-08	8.59E-07
2016	495411.1	3859452	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	0.00E+00	0.00E+00	2.88E-07	5.75E-08	3.65E-07	5.62E-08	8.65E-08	8.53E-07
2017	495461.1	3859452	2.58E-03	2.78E-03	4.44E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.59E-08	8.60E-08	8.49E-07
2018	495511.1	3859452	2.54E-03	2.74E-03	4.38E-03	8.79E-07	2.66E-06	1.54E-06	1.66E-06	1.50E-06	6.87E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.51E-08	8.48E-08	8.37E-07
2019	495561.1	3859452	2.52E-03	2.72E-03	4.34E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	0.00E+00	0.00E+00	2.80E-07	5.59E-08	3.54E-07	5.47E-08	8.41E-08	8.29E-07
2020	495611.1	3859452	2.50E-03	2.70E-03	4.30E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.51E-07	5.42E-08	8.34E-08	8.22E-07
2021	495661.1	3859452	2.48E-03	2.68E-03	4.27E-03	8.58E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.70E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.50E-08	3.49E-07	5.38E-08	8.27E-08	8.16E-07
2022	494311.1	3859502	3.14E-03	3.40E-03	5.41E-03	1.09E-06	3.29E-06	1.90E-06	2.05E-06	1.86E-06	8.50E-07	1.35E-06	0.00E+00	0.00E+00	3.50E-07	6.97E-08	4.42E-07	6.82E-08	1.05E-07	1.04E-06
2023	494361.1	3859502	3.11E-03	3.36E-03	5.35E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.40E-07	1.34E-06	0.00E+00	0.00E+00	3.46E-07	6.89E-08	4.37E-07	6.74E-08	1.04E-07	1.02E-06
2024	494411.1	3859502	3.04E-03	3.29E-03	5.24E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.22E-07	1.31E-06	0.00E+00	0.00E+00	3.39E-07	6.75E-08	4.28E-07	6.60E-08	1.01E-07	1.00E-06
2025	494461.1	3859502	3.04E-03	3.28E-03	5.24E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.22E-07	1.31E-06	0.00E+00	0.00E+00	3.39E-07	6.75E-08	4.28E-07	6.60E-08	1.01E-07	1.00E-06
2026	494511.1	3859502	3.01E-03	3.25E-03	5.17E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.12E-07	1.30E-06	0.00E+00	0.00E+00	3.35E-07	6.67E-08	4.23E-07	6.52E-08	1.00E-07	9.90E-07
2027	494561.1	3859502	2.97E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.60E-08	4.19E-07	6.46E-08	9.93E-08	9.80E-07
2028	494611.1	3859502	2.98E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.60E-08	4.19E-07	6.46E-08	9.93E-08	9.80E-07
2029	494661.1	3859502	2.94E-03	3.17E-03	5.06E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.27E-06	0.00E+00	0.00E+00	3.27E-07	6.51E-08	4.13E-07	6.37E-08	9.80E-08	9.67E-07
2030	494711.1	3859502	2.89E-03	3.12E-03	4.97E-03	9.99E-07	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.80E-07	1.24E-06	0.00E+00	0.00E+00	3.21E-07	6.40E-08	4.06E-07	6.27E-08	9.63E-08	9.51E-07
2031	494761.1	3859502	2.88E-03	3.11E-03	4.96E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.78E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.38E-08	4.05E-07	6.25E-08	9.60E-08	9.48E-07
2032	494811.1	3859502	2.81E-03	3.04E-03	4.85E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.60E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.24E-08	3.96E-07	6.11E-08	9.39E-08	9.26E-07
2033	494861.1	3859502	2.79E-03	3.01E-03	4.80E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.10E-07	6.18E-08	3.92E-07	6.05E-08	9.30E-08	9.18E-07
2034	494911.1	3859502	2.77E-03	2.99E-03	4.78E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.20E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.90E-07	6.02E-08	9.25E-08	9.13E-07
2035	494961.1	3859502	2.74E-03	2.96E-03	4.72E-03	9.48E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.08E-08	3.86E-07	5.95E-08	9.14E-08	9.02E-07
2036	495011.1	3859502	2.72E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.84E-07	5.91E-08	9.10E-08	8.97E-07
2037	495061.1	3859502	2.71E-03	2.93E-03	4.67E-03	9.39E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.82E-07	5.89E-08	9.05E-08	8.93E-07
2038	495111.1	3859502	2.68E-03	2.89E-03	4.62E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.16E-06	0.00E+00	0.00E+00	2.98E-07	5.94E-08	3.77E-07	5.82E-08	8.95E-08	8.83E-07
2039	495161.1	3859502	2.67E-03	2.88E-03	4.60E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.76E-07	5.79E-08	8.91E-08	8.79E-07
2040	495211.1	3859502	2.66E-03	2.88E-03	4.59E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.91E-08	3.75E-07	5.78E-08	8.89E-08	8.77E-07
2041	495261.1	3859502	2.65E-03	2.86E-03	4.57E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.88E-08	3.73E-07	5.75E-08	8.85E-08	8.73E-07
2042	495311.1	3859502	2.64E-03	2.85E-03	4.55E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.73E-08	8.82E-08	8.70E-07
2043	495361.1	3859502	2.63E-03	2.84E-03	4.52E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.70E-07	5.70E-08	8.77E-08	8.65E-07
2044	495411.1	3859502	2.61E-03	2.82E-03	4.50E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.13E-06	0.00E+00	0.00E+00	2.91E-07	5.79E-08	3.68E-07	5.67E-08	8.72E-08	8.60E-07
2045	495461.1	3859502	2.59E-03	2.80E-03	4.47E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.75E-08	3.65E-07	5.63E-08	8.66E-08	8.54E-07

2046	495511.1	3859502	2.55E-03	2.75E-03	4.39E-03	8.83E-07	2.66E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.53E-08	8.51E-08	8.40E-07
2047	495561.1	3859502	2.54E-03	2.75E-03	4.38E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.49E-08	8.37E-07
2048	495611.1	3859502	2.52E-03	2.72E-03	4.34E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	0.00E+00	0.00E+00	2.80E-07	5.59E-08	3.55E-07	5.47E-08	8.41E-08	8.30E-07
2049	495661.1	3859502	2.49E-03	2.69E-03	4.30E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.53E-08	3.51E-07	5.41E-08	8.32E-08	8.21E-07
2050	494311.1	3859552	3.12E-03	3.36E-03	5.36E-03	1.08E-06	3.26E-06	1.88E-06	2.04E-06	1.85E-06	8.42E-07	1.34E-06	0.00E+00	0.00E+00	3.47E-07	6.91E-08	4.38E-07	6.76E-08	1.04E-07	1.03E-06
2051	494361.1	3859552	3.08E-03	3.32E-03	5.29E-03	1.06E-06	3.21E-06	1.86E-06	2.01E-06	1.82E-06	8.31E-07	1.32E-06	0.00E+00	0.00E+00	3.42E-07	6.82E-08	4.33E-07	6.67E-08	1.03E-07	1.01E-06
2052	494411.1	3859552	3.01E-03	3.25E-03	5.19E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.78E-06	8.14E-07	1.30E-06	0.00E+00	0.00E+00	3.35E-07	6.68E-08	4.24E-07	6.54E-08	1.00E-07	9.92E-07
2053	494461.1	3859552	3.02E-03	3.26E-03	5.20E-03	1.05E-06	3.16E-06	1.83E-06	1.97E-06	1.79E-06	8.16E-07	1.30E-06	0.00E+00	0.00E+00	3.36E-07	6.70E-08	4.25E-07	6.55E-08	1.01E-07	9.94E-07
2054	494511.1	3859552	2.99E-03	3.23E-03	5.14E-03	1.03E-06	3.12E-06	1.81E-06	1.95E-06	1.77E-06	8.07E-07	1.29E-06	0.00E+00	0.00E+00	3.32E-07	6.62E-08	4.20E-07	6.48E-08	9.96E-08	9.83E-07
2055	494561.1	3859552	2.96E-03	3.20E-03	5.10E-03	1.03E-06	3.10E-06	1.79E-06	1.94E-06	1.75E-06	8.01E-07	1.28E-06	0.00E+00	0.00E+00	3.30E-07	6.57E-08	4.17E-07	6.43E-08	9.88E-08	9.75E-07
2056	494611.1	3859552	2.95E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	0.00E+00	0.00E+00	3.28E-07	6.54E-08	4.15E-07	6.40E-08	9.83E-08	9.71E-07
2057	494661.1	3859552	2.93E-03	3.16E-03	5.04E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.91E-07	1.26E-06	0.00E+00	0.00E+00	3.26E-07	6.49E-08	4.12E-07	6.35E-08	9.76E-08	9.64E-07
2058	494711.1	3859552	2.86E-03	3.09E-03	4.92E-03	9.89E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	0.00E+00	0.00E+00	3.18E-07	6.34E-08	4.02E-07	6.20E-08	9.53E-08	9.41E-07
2059	494761.1	3859552	2.87E-03	3.10E-03	4.94E-03	9.93E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	0.00E+00	0.00E+00	3.19E-07	6.37E-08	4.04E-07	6.23E-08	9.58E-08	9.45E-07
2060	494811.1	3859552	2.82E-03	3.04E-03	4.85E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.21E-06	0.00E+00	0.00E+00	3.14E-07	6.25E-08	3.97E-07	6.12E-08	9.41E-08	9.28E-07
2061	494861.1	3859552	2.80E-03	3.02E-03	4.82E-03	9.68E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.21E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.94E-07	6.07E-08	9.33E-08	9.21E-07
2062	494911.1	3859552	2.77E-03	2.99E-03	4.77E-03	9.58E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.14E-08	3.90E-07	6.01E-08	9.24E-08	9.11E-07
2063	494961.1	3859552	2.75E-03	2.97E-03	4.74E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.45E-07	1.19E-06	0.00E+00	0.00E+00	3.07E-07	6.11E-08	3.88E-07	5.98E-08	9.19E-08	9.07E-07
2064	495011.1	3859552	2.74E-03	2.96E-03	4.73E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.09E-08	3.86E-07	5.96E-08	9.16E-08	9.04E-07
2065	495061.1	3859552	2.72E-03	2.94E-03	4.69E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	9.09E-08	8.97E-07
2066	495111.1	3859552	2.70E-03	2.91E-03	4.64E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.98E-08	3.80E-07	5.85E-08	9.00E-08	8.88E-07
2067	495161.1	3859552	2.69E-03	2.90E-03	4.63E-03	9.30E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.26E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.96E-08	3.78E-07	5.83E-08	8.97E-08	8.85E-07
2068	495211.1	3859552	2.68E-03	2.90E-03	4.62E-03	9.29E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.95E-08	3.78E-07	5.82E-08	8.95E-08	8.83E-07
2069	495261.1	3859552	2.66E-03	2.87E-03	4.58E-03	9.21E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.19E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.75E-07	5.78E-08	8.88E-08	8.76E-07
2070	495311.1	3859552	2.64E-03	2.86E-03	4.55E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.87E-08	3.72E-07	5.74E-08	8.83E-08	8.71E-07
2071	495361.1	3859552	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.70E-07	5.71E-08	8.78E-08	8.67E-07
2072	495411.1	3859552	2.62E-03	2.83E-03	4.52E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.69E-07	5.69E-08	8.76E-08	8.64E-07
2073	495461.1	3859552	2.59E-03	2.80E-03	4.47E-03	8.98E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.65E-07	5.63E-08	8.66E-08	8.54E-07
2074	495511.1	3859552	2.56E-03	2.77E-03	4.42E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.93E-07	1.11E-06	0.00E+00	0.00E+00	2.85E-07	5.69E-08	3.61E-07	5.57E-08	8.56E-08	8.45E-07
2075	495561.1	3859552	2.55E-03	2.75E-03	4.39E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.89E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.59E-07	5.53E-08	8.50E-08	8.39E-07
2076	495611.1	3859552	2.53E-03	2.73E-03	4.36E-03	8.76E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.44E-08	8.33E-07
2077	495661.1	3859552	2.51E-03	2.71E-03	4.32E-03	8.67E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.56E-08	3.53E-07	5.44E-08	8.37E-08	8.25E-07
2078	494311.1	3859602	3.09E-03	3.34E-03	5.31E-03	1.07E-06	3.23E-06	1.87E-06	2.02E-06	1.83E-06	8.35E-07	1.33E-06	0.00E+00	0.00E+00	3.44E-07	6.85E-08	4.35E-07	6.70E-08	1.03E-07	1.02E-06
2079	494361.1	3859602	3.03E-03	3.27E-03	5.21E-03	1.05E-06	3.17E-06	1.83E-06	1.98E-06	1.79E-06	8.19E-07	1.30E-06	0.00E+00	0.00E+00	3.37E-07	6.72E-08	4.26E-07	6.57E-08	1.01E-07	9.98E-07
2080	494411.1	3859602	2.99E-03	3.23E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.29E-06	0.00E+00	0.00E+00	3.33E-07	6.64E-08	4.21E-07	6.49E-08	9.98E-08	9.85E-07
2081	494461.1	3859602	3.00E-03	3.24E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.10E-07	1.29E-06	0.00E+00	0.00E+00	3.34E-07	6.65E-08	4.22E-07	6.50E-08	9.99E-08	9.87E-07
2082	494511.1	3859602	2.95E-03	3.19E-03	5.08E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.98E-07	1.27E-06	0.00E+00	0.00E+00	3.29E-07	6.55E-08	4.16E-07	6.41E-08	9.85E-08	9.73E-07
2083	494561.1	3859602	2.95E-03	3.19E-03	5.08E-03	1.02E-06	3.08E-06	1.79E-06	1.93E-06	1.75E-06	7.98E-07	1.27E-06	0.00E+00	0.00E+00	3.29E-07	6.55E-08	4.15E-07	6.41E-08	9.84E-08	9.72E-07
2084	494611.1	3859602	2.94E-03	3.17E-03	5.06E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.95E-07	1.27E-06	0.00E+00	0.00E+00	3.27E-07	6.52E-08	4.14E-07	6.38E-08	9.80E-08	9.68E-07
2085	494661.1	3859602	2.89E-03	3.12E-03	4.98E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.82E-07	1.25E-06	0.00E+00	0.00E+00	3.22E-07	6.42E-08	4.07E-07	6.28E-08	9.65E-08	9.53E-07
2086	494711.1	3859602	2.85E-03	3.08E-03	4.90E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.32E-08	4.01E-07	6.18E-08	9.50E-08	9.38E-07
2087	494761.1	3859602	2.87E-03	3.10E-03	4.94E-03	9.94E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.37E-08	4.04E-07	6.23E-08	9.58E-08	9.45E-07
2088	494811.1	3859602	2.82E-03	3.05E-03	4.86E-03	9.77E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.63E-07	1.22E-06	0.00E+00	0.00E+00	3.14E-07	6.26E-08	3.97E-07	6.13E-08	9.41E-08	9.29E-07
2089	494861.1	3859602	2.80E-03	3.03E-03	4.83E-03	9.70E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.58E-07	1.21E-06	0.00E+00	0.00E+00	3.12E-07	6.22E-08	3.95E-07	6.08E-08	9.35E-08	9.23E-07
2090	494911.1	3859602	2.77E-03	2.99E-03	4.76E-03	9.58E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.14E-08	3.89E-07	6.00E-08	9.23E-08	9.11E-07
2091	494961.1	3859602	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.90E-07	6.02E-08	9.25E-08	9.13E-07
2092	495011.1	3859602	2.73E-03	2.95E-03	4.70E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.39E-07	1.18E-06	0.00E+00	0.00E+00	3.04E-07	6.06E-08	3.85E-07	5.93E-08	9.12E-08	9.00E-07
2093	495061.1	3859602	2.73E-03	2.95E-03	4.70E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.18E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.11E-08	8.99E-07
2094	495111.1	3859602	2.70E-03	2.92E-03	4.65E-03	9.35E-07	2.82E-06	1.63E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.86E-08	9.01E-08	8.90E-07
2095	495161.1	3859602	2.69E-03	2.91E-03	4.64E-03	9.32E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.85E-08	8.99E-08	8.87E-07
2096	495211.1	3859602	2.68E-03	2.89E-03	4.61E-03	9.27E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.15E-06	0.00E+00	0.00E+00	2.98E-07	5.94E-08	3.77E-07	5.81E-08	8.94E-08	8.82E-07
2097	495261.1	3859602	2.67E-03	2.88E-03	4.59E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.75E-07	5.79E-08	8.90E-08	8.79E-07
2098	495311.1	3859602	2.66E-03	2.87E-03	4.58E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.19E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.74E-07	5.77E-08	8.87E-08	8.75E-07
2099	495361.1	3859602	2.64E-03	2.85E-03	4.55E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.73E-08	8.81E-08	8.70E-07
2100	495411.1	3859602	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.83E-08	3.70E-07	5.71E-08	8.78E-08	8.66E-07
2101	495461.1	3859602	2.60E-03	2.80E-03	4.47E-03	8.99E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.65E-07	5.64E-08	8.67E-08	8.55E-07
2102	495511.1	3859602	2.57E-03	2.77E-03	4.42E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.57E-08	8.45E-07

2103	495561.1	3859602	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.61E-07	5.56E-08	8.55E-08	8.44E-07
2104	495611.1	3859602	2.53E-03	2.73E-03	4.35E-03	8.74E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.60E-08	3.56E-07	5.48E-08	8.43E-08	8.32E-07
2105	495661.1	3859602	2.52E-03	2.72E-03	4.33E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.40E-08	8.28E-07
2106	494311.1	3859652	3.04E-03	3.29E-03	5.23E-03	1.05E-06	3.18E-06	1.84E-06	1.99E-06	1.80E-06	8.23E-07	1.31E-06	0.00E+00	0.00E+00	3.39E-07	6.75E-08	4.28E-07	6.61E-08	1.01E-07	1.00E-06
2107	494361.1	3859652	2.99E-03	3.23E-03	5.15E-03	1.04E-06	3.13E-06	1.81E-06	1.96E-06	1.77E-06	8.09E-07	1.29E-06	0.00E+00	0.00E+00	3.33E-07	6.64E-08	4.21E-07	6.49E-08	9.97E-08	9.85E-07
2108	494411.1	3859652	2.97E-03	3.21E-03	5.11E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.59E-08	4.18E-07	6.45E-08	9.90E-08	9.78E-07
2109	494461.1	3859652	2.97E-03	3.21E-03	5.11E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.59E-08	4.18E-07	6.45E-08	9.91E-08	9.79E-07
2110	494511.1	3859652	2.95E-03	3.19E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	0.00E+00	0.00E+00	3.28E-07	6.54E-08	4.15E-07	6.40E-08	9.83E-08	9.71E-07
2111	494561.1	3859652	2.94E-03	3.17E-03	5.05E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.93E-07	1.26E-06	0.00E+00	0.00E+00	3.27E-07	6.51E-08	4.13E-07	6.37E-08	9.78E-08	9.66E-07
2112	494611.1	3859652	2.92E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.77E-06	1.91E-06	1.73E-06	7.89E-07	1.26E-06	0.00E+00	0.00E+00	3.25E-07	6.47E-08	4.11E-07	6.34E-08	9.73E-08	9.61E-07
2113	494661.1	3859652	2.87E-03	3.10E-03	4.94E-03	9.93E-07	3.00E-06	1.74E-06	1.87E-06	1.70E-06	7.75E-07	1.24E-06	0.00E+00	0.00E+00	3.19E-07	6.36E-08	4.04E-07	6.23E-08	9.57E-08	9.45E-07
2114	494711.1	3859652	2.86E-03	3.08E-03	4.91E-03	9.88E-07	2.98E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	0.00E+00	0.00E+00	3.18E-07	6.33E-08	4.02E-07	6.20E-08	9.52E-08	9.40E-07
2115	494761.1	3859652	2.85E-03	3.07E-03	4.90E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.69E-06	7.69E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.31E-08	4.00E-07	6.18E-08	9.49E-08	9.37E-07
2116	494811.1	3859652	2.82E-03	3.04E-03	4.84E-03	9.75E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.61E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.24E-08	3.96E-07	6.11E-08	9.39E-08	9.27E-07
2117	494861.1	3859652	2.80E-03	3.03E-03	4.82E-03	9.70E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.57E-07	1.21E-06	0.00E+00	0.00E+00	3.12E-07	6.21E-08	3.94E-07	6.08E-08	9.34E-08	9.23E-07
2118	494911.1	3859652	2.78E-03	3.00E-03	4.78E-03	9.62E-07	2.91E-06	1.68E-06	1.82E-06	1.65E-06	7.51E-07	1.20E-06	0.00E+00	0.00E+00	3.09E-07	6.17E-08	3.91E-07	6.03E-08	9.27E-08	9.15E-07
2119	494961.1	3859652	2.76E-03	2.99E-03	4.76E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	6.00E-08	9.22E-08	9.10E-07
2120	495011.1	3859652	2.74E-03	2.96E-03	4.72E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	0.00E+00	0.00E+00	3.06E-07	6.09E-08	3.86E-07	5.96E-08	9.16E-08	9.04E-07
2121	495061.1	3859652	2.73E-03	2.95E-03	4.70E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.39E-07	1.18E-06	0.00E+00	0.00E+00	3.04E-07	6.06E-08	3.85E-07	5.93E-08	9.12E-08	9.00E-07
2122	495111.1	3859652	2.71E-03	2.93E-03	4.67E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.82E-07	5.88E-08	9.04E-08	8.93E-07
2123	495161.1	3859652	2.70E-03	2.91E-03	4.64E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.98E-08	3.79E-07	5.85E-08	8.99E-08	8.88E-07
2124	495211.1	3859652	2.68E-03	2.90E-03	4.62E-03	9.29E-07	2.81E-06	1.62E-06	1.75E-06	1.59E-06	7.26E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.96E-08	3.78E-07	5.83E-08	8.96E-08	8.84E-07
2125	495261.1	3859652	2.67E-03	2.88E-03	4.59E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.76E-07	5.79E-08	8.90E-08	8.79E-07
2126	495311.1	3859652	2.66E-03	2.87E-03	4.57E-03	9.19E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.18E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.89E-08	3.74E-07	5.76E-08	8.86E-08	8.75E-07
2127	495361.1	3859652	2.64E-03	2.86E-03	4.55E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.74E-08	8.82E-08	8.71E-07
2128	495411.1	3859652	2.63E-03	2.84E-03	4.52E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.83E-08	3.70E-07	5.70E-08	8.77E-08	8.65E-07
2129	495461.1	3859652	2.60E-03	2.81E-03	4.47E-03	8.99E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.66E-07	5.64E-08	8.67E-08	8.55E-07
2130	495511.1	3859652	2.57E-03	2.78E-03	4.43E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.70E-08	3.62E-07	5.58E-08	8.58E-08	8.47E-07
2131	495561.1	3859652	2.56E-03	2.76E-03	4.41E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.55E-08	8.54E-08	8.43E-07
2132	495611.1	3859652	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.87E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.58E-07	5.51E-08	8.48E-08	8.37E-07
2133	495661.1	3859652	2.52E-03	2.72E-03	4.34E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	0.00E+00	0.00E+00	2.80E-07	5.59E-08	3.55E-07	5.47E-08	8.41E-08	8.29E-07
2134	494311.1	3859702	2.97E-03	3.21E-03	5.11E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.03E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.59E-08	4.18E-07	6.45E-08	9.90E-08	9.79E-07
2135	494361.1	3859702	2.95E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	0.00E+00	0.00E+00	3.28E-07	6.54E-08	4.15E-07	6.40E-08	9.82E-08	9.71E-07
2136	494411.1	3859702	2.94E-03	3.17E-03	5.05E-03	1.02E-06	3.07E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.26E-06	0.00E+00	0.00E+00	3.27E-07	6.51E-08	4.13E-07	6.37E-08	9.79E-08	9.67E-07
2137	494461.1	3859702	2.95E-03	3.18E-03	5.06E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.96E-07	1.27E-06	0.00E+00	0.00E+00	3.28E-07	6.53E-08	4.14E-07	6.39E-08	9.81E-08	9.70E-07
2138	494511.1	3859702	2.93E-03	3.16E-03	5.03E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.73E-06	7.91E-07	1.26E-06	0.00E+00	0.00E+00	3.26E-07	6.49E-08	4.12E-07	6.35E-08	9.75E-08	9.64E-07
2139	494561.1	3859702	2.91E-03	3.15E-03	5.01E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.73E-06	7.88E-07	1.25E-06	0.00E+00	0.00E+00	3.24E-07	6.46E-08	4.10E-07	6.32E-08	9.71E-08	9.59E-07
2140	494611.1	3859702	2.90E-03	3.13E-03	4.99E-03	1.00E-06	3.03E-06	1.75E-06	1.89E-06	1.72E-06	7.84E-07	1.25E-06	0.00E+00	0.00E+00	3.23E-07	6.43E-08	4.08E-07	6.29E-08	9.66E-08	9.55E-07
2141	494661.1	3859702	2.85E-03	3.08E-03	4.90E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.32E-08	4.01E-07	6.18E-08	9.50E-08	9.38E-07
2142	494711.1	3859702	2.84E-03	3.07E-03	4.89E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.69E-07	1.22E-06	0.00E+00	0.00E+00	3.17E-07	6.31E-08	4.00E-07	6.17E-08	9.48E-08	9.37E-07
2143	494761.1	3859702	2.82E-03	3.05E-03	4.85E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.21E-06	0.00E+00	0.00E+00	3.14E-07	6.26E-08	3.97E-07	6.12E-08	9.40E-08	9.29E-07
2144	494811.1	3859702	2.80E-03	3.02E-03	4.81E-03	9.68E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.55E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.93E-07	6.07E-08	9.32E-08	9.20E-07
2145	494861.1	3859702	2.79E-03	3.02E-03	4.81E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.65E-06	7.55E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.93E-07	6.06E-08	9.31E-08	9.20E-07
2146	494911.1	3859702	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.90E-07	6.02E-08	9.25E-08	9.13E-07
2147	494961.1	3859702	2.75E-03	2.97E-03	4.74E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.19E-06	0.00E+00	0.00E+00	3.06E-07	6.11E-08	3.88E-07	5.98E-08	9.18E-08	9.07E-07
2148	495011.1	3859702	2.74E-03	2.96E-03	4.72E-03	9.49E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.08E-08	3.86E-07	5.95E-08	9.15E-08	9.03E-07
2149	495061.1	3859702	2.73E-03	2.94E-03	4.69E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.05E-08	3.84E-07	5.92E-08	9.09E-08	8.98E-07
2150	495111.1	3859702	2.71E-03	2.93E-03	4.66E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.81E-07	5.88E-08	9.04E-08	8.92E-07
2151	495161.1	3859702	2.69E-03	2.91E-03	4.63E-03	9.32E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.84E-08	8.98E-08	8.86E-07
2152	495211.1	3859702	2.67E-03	2.88E-03	4.60E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.76E-07	5.80E-08	8.91E-08	8.80E-07
2153	495261.1	3859702	2.67E-03	2.88E-03	4.59E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.75E-07	5.79E-08	8.90E-08	8.78E-07
2154	495311.1	3859702	2.65E-03	2.86E-03	4.56E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.88E-08	3.73E-07	5.75E-08	8.84E-08	8.72E-07
2155	495361.1	3859702	2.63E-03	2.84E-03	4.53E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.71E-07	5.71E-08	8.78E-08	8.67E-07
2156	495411.1	3859702	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.55E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.79E-08	3.67E-07	5.66E-08	8.70E-08	8.59E-07
2157	495461.1	3859702	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	0.00E+00	0.00E+00	2.88E-07	5.75E-08	3.65E-07	5.62E-08	8.64E-08	8.53E-07
2158	495511.1	3859702	2.55E-03	2.76E-03	4.40E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.67E-08	3.60E-07	5.55E-08	8.52E-08	8.41E-07
2159	495561.1	3859702	2.56E-03	2.76E-03	4.40E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.53E-08	8.42E-07

2160	495611.1	3859702	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.57E-07	5.51E-08	8.47E-08	8.36E-07
2161	495661.1	3859702	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.63E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.59E-08	3.55E-07	5.47E-08	8.41E-08	8.30E-07
2162	494311.1	3859752	2.95E-03	3.18E-03	5.07E-03	1.02E-06	3.08E-06	1.78E-06	1.93E-06	1.75E-06	7.97E-07	1.27E-06	0.00E+00	0.00E+00	3.28E-07	6.54E-08	4.15E-07	6.40E-08	9.82E-08	9.70E-07
2163	494361.1	3859752	2.93E-03	3.16E-03	5.04E-03	1.01E-06	3.06E-06	1.77E-06	1.91E-06	1.74E-06	7.92E-07	1.26E-06	0.00E+00	0.00E+00	3.26E-07	6.50E-08	4.12E-07	6.36E-08	9.76E-08	9.65E-07
2164	494411.1	3859752	2.91E-03	3.14E-03	5.00E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.25E-06	0.00E+00	0.00E+00	3.24E-07	6.45E-08	4.09E-07	6.31E-08	9.69E-08	9.57E-07
2165	494461.1	3859752	2.91E-03	3.14E-03	5.00E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.25E-06	0.00E+00	0.00E+00	3.24E-07	6.45E-08	4.09E-07	6.31E-08	9.69E-08	9.58E-07
2166	494511.1	3859752	2.90E-03	3.14E-03	4.99E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.85E-07	1.25E-06	0.00E+00	0.00E+00	3.23E-07	6.44E-08	4.09E-07	6.30E-08	9.67E-08	9.56E-07
2167	494561.1	3859752	2.89E-03	3.12E-03	4.96E-03	9.99E-07	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.80E-07	1.24E-06	0.00E+00	0.00E+00	3.21E-07	6.40E-08	4.06E-07	6.27E-08	9.62E-08	9.51E-07
2168	494611.1	3859752	2.87E-03	3.09E-03	4.93E-03	9.92E-07	3.00E-06	1.73E-06	1.87E-06	1.70E-06	7.74E-07	1.23E-06	0.00E+00	0.00E+00	3.19E-07	6.36E-08	4.03E-07	6.22E-08	9.55E-08	9.43E-07
2169	494661.1	3859752	2.83E-03	3.06E-03	4.87E-03	9.80E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.65E-07	1.22E-06	0.00E+00	0.00E+00	3.15E-07	6.28E-08	3.98E-07	6.14E-08	9.43E-08	9.32E-07
2170	494711.1	3859752	2.83E-03	3.05E-03	4.86E-03	9.78E-07	2.95E-06	1.71E-06	1.85E-06	1.67E-06	7.64E-07	1.22E-06	0.00E+00	0.00E+00	3.15E-07	6.27E-08	3.98E-07	6.13E-08	9.41E-08	9.30E-07
2171	494761.1	3859752	2.81E-03	3.04E-03	4.84E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.60E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.24E-08	3.96E-07	6.11E-08	9.38E-08	9.26E-07
2172	494811.1	3859752	2.79E-03	3.02E-03	4.80E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.65E-06	7.55E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.93E-07	6.06E-08	9.31E-08	9.20E-07
2173	494861.1	3859752	2.78E-03	3.00E-03	4.78E-03	9.62E-07	2.90E-06	1.68E-06	1.82E-06	1.65E-06	7.51E-07	1.20E-06	0.00E+00	0.00E+00	3.09E-07	6.16E-08	3.91E-07	6.03E-08	9.26E-08	9.15E-07
2174	494911.1	3859752	2.76E-03	2.99E-03	4.75E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	6.00E-08	9.21E-08	9.10E-07
2175	494961.1	3859752	2.75E-03	2.97E-03	4.73E-03	9.52E-07	2.87E-06	1.66E-06	1.80E-06	1.63E-06	7.43E-07	1.18E-06	0.00E+00	0.00E+00	3.06E-07	6.10E-08	3.87E-07	5.97E-08	9.16E-08	9.05E-07
2176	495011.1	3859752	2.73E-03	2.95E-03	4.70E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.39E-07	1.18E-06	0.00E+00	0.00E+00	3.04E-07	6.06E-08	3.85E-07	5.93E-08	9.11E-08	9.00E-07
2177	495061.1	3859752	2.72E-03	2.94E-03	4.68E-03	9.42E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	9.08E-08	8.96E-07
2178	495111.1	3859752	2.71E-03	2.92E-03	4.66E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.17E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.81E-07	5.87E-08	9.02E-08	8.91E-07
2179	495161.1	3859752	2.69E-03	2.90E-03	4.62E-03	9.30E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.26E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.96E-08	3.78E-07	5.83E-08	8.96E-08	8.85E-07
2180	495211.1	3859752	2.67E-03	2.88E-03	4.59E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.76E-07	5.79E-08	8.90E-08	8.79E-07
2181	495261.1	3859752	2.66E-03	2.87E-03	4.57E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.18E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.89E-08	3.74E-07	5.77E-08	8.86E-08	8.75E-07
2182	495311.1	3859752	2.64E-03	2.85E-03	4.54E-03	9.14E-07	2.76E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.73E-08	8.80E-08	8.69E-07
2183	495361.1	3859752	2.62E-03	2.83E-03	4.52E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.69E-07	5.70E-08	8.75E-08	8.64E-07
2184	495411.1	3859752	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.79E-08	3.67E-07	5.66E-08	8.70E-08	8.59E-07
2185	495461.1	3859752	2.59E-03	2.79E-03	4.45E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.61E-08	8.63E-08	8.52E-07
2186	495511.1	3859752	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.93E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.61E-07	5.56E-08	8.55E-08	8.44E-07
2187	495561.1	3859752	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.58E-07	5.53E-08	8.50E-08	8.39E-07
2188	495611.1	3859752	2.53E-03	2.73E-03	4.36E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.56E-07	5.49E-08	8.44E-08	8.34E-07
2189	495661.1	3859752	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.63E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.59E-08	3.55E-07	5.47E-08	8.41E-08	8.30E-07
2190	494311.1	3859802	2.92E-03	3.15E-03	5.02E-03	1.01E-06	3.05E-06	1.77E-06	1.91E-06	1.73E-06	7.89E-07	1.26E-06	0.00E+00	0.00E+00	3.25E-07	6.48E-08	4.11E-07	6.34E-08	9.73E-08	9.62E-07
2191	494361.1	3859802	2.90E-03	3.13E-03	4.98E-03	1.00E-06	3.03E-06	1.75E-06	1.89E-06	1.72E-06	7.83E-07	1.25E-06	0.00E+00	0.00E+00	3.23E-07	6.43E-08	4.08E-07	6.29E-08	9.65E-08	9.54E-07
2192	494411.1	3859802	2.87E-03	3.10E-03	4.94E-03	9.95E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.37E-08	4.04E-07	6.23E-08	9.57E-08	9.46E-07
2193	494461.1	3859802	2.87E-03	3.10E-03	4.94E-03	9.94E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.37E-08	4.04E-07	6.23E-08	9.57E-08	9.46E-07
2194	494511.1	3859802	2.87E-03	3.10E-03	4.94E-03	9.95E-07	3.00E-06	1.74E-06	1.88E-06	1.70E-06	7.76E-07	1.24E-06	0.00E+00	0.00E+00	3.20E-07	6.37E-08	4.04E-07	6.23E-08	9.57E-08	9.46E-07
2195	494561.1	3859802	2.86E-03	3.09E-03	4.91E-03	9.89E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.72E-07	1.23E-06	0.00E+00	0.00E+00	3.18E-07	6.34E-08	4.02E-07	6.20E-08	9.52E-08	9.41E-07
2196	494611.1	3859802	2.83E-03	3.05E-03	4.86E-03	9.79E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.64E-07	1.22E-06	0.00E+00	0.00E+00	3.15E-07	6.27E-08	3.98E-07	6.14E-08	9.42E-08	9.31E-07
2197	494661.1	3859802	2.81E-03	3.04E-03	4.83E-03	9.73E-07	2.94E-06	1.70E-06	1.84E-06	1.66E-06	7.60E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.23E-08	3.96E-07	6.10E-08	9.36E-08	9.25E-07
2198	494711.1	3859802	2.79E-03	3.01E-03	4.79E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.10E-07	6.19E-08	3.93E-07	6.05E-08	9.29E-08	9.18E-07
2199	494761.1	3859802	2.79E-03	3.01E-03	4.80E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.19E-08	3.93E-07	6.06E-08	9.29E-08	9.19E-07
2200	494811.1	3859802	2.77E-03	2.99E-03	4.77E-03	9.60E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.90E-07	6.02E-08	9.24E-08	9.13E-07
2201	494861.1	3859802	2.76E-03	2.98E-03	4.75E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	0.00E+00	0.00E+00	3.07E-07	6.12E-08	3.89E-07	5.99E-08	9.20E-08	9.09E-07
2202	494911.1	3859802	2.74E-03	2.96E-03	4.71E-03	9.49E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.08E-08	3.86E-07	5.95E-08	9.14E-08	9.03E-07
2203	494961.1	3859802	2.73E-03	2.95E-03	4.69E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.09E-08	8.98E-07
2204	495011.1	3859802	2.71E-03	2.93E-03	4.67E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.02E-08	3.82E-07	5.89E-08	9.04E-08	8.93E-07
2205	495061.1	3859802	2.70E-03	2.92E-03	4.65E-03	9.35E-07	2.82E-06	1.63E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.86E-08	9.00E-08	8.90E-07
2206	495111.1	3859802	2.68E-03	2.90E-03	4.62E-03	9.29E-07	2.81E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.95E-08	3.78E-07	5.82E-08	8.94E-08	8.84E-07
2207	495161.1	3859802	2.67E-03	2.88E-03	4.59E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.79E-08	8.89E-08	8.78E-07
2208	495211.1	3859802	2.66E-03	2.87E-03	4.57E-03	9.19E-07	2.78E-06	1.61E-06	1.73E-06	1.57E-06	7.18E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.89E-08	3.74E-07	5.76E-08	8.85E-08	8.74E-07
2209	495261.1	3859802	2.64E-03	2.85E-03	4.54E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.72E-08	8.79E-08	8.68E-07
2210	495311.1	3859802	2.63E-03	2.84E-03	4.52E-03	9.09E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.83E-08	3.70E-07	5.70E-08	8.76E-08	8.65E-07
2211	495361.1	3859802	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.79E-08	3.67E-07	5.67E-08	8.70E-08	8.60E-07
2212	495411.1	3859802	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	0.00E+00	0.00E+00	2.88E-07	5.75E-08	3.65E-07	5.62E-08	8.64E-08	8.53E-07
2213	495461.1	3859802	2.58E-03	2.78E-03	4.43E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.71E-08	3.63E-07	5.59E-08	8.59E-08	8.48E-07
2214	495511.1	3859802	2.55E-03	2.76E-03	4.39E-03	8.84E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.51E-08	8.41E-07
2215	495561.1	3859802	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.87E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.57E-07	5.51E-08	8.47E-08	8.36E-07
2216	495611.1	3859802	2.53E-03	2.74E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.57E-07	5.50E-08	8.45E-08	8.35E-07

2217	495661.1	3859802	2.51E-03	2.71E-03	4.33E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.54E-07	5.45E-08	8.38E-08	8.28E-07
2218	494311.1	3859852	2.88E-03	3.11E-03	4.95E-03	9.98E-07	3.01E-06	1.75E-06	1.88E-06	1.71E-06	7.79E-07	1.24E-06	0.00E+00	0.00E+00	3.21E-07	6.40E-08	4.06E-07	6.26E-08	9.60E-08	9.49E-07
2219	494361.1	3859852	2.87E-03	3.10E-03	4.92E-03	9.92E-07	3.00E-06	1.73E-06	1.87E-06	1.70E-06	7.75E-07	1.23E-06	0.00E+00	0.00E+00	3.19E-07	6.36E-08	4.03E-07	6.22E-08	9.54E-08	9.44E-07
2220	494411.1	3859852	2.85E-03	3.07E-03	4.89E-03	9.85E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.69E-07	1.22E-06	0.00E+00	0.00E+00	3.17E-07	6.31E-08	4.01E-07	6.18E-08	9.48E-08	9.37E-07
2221	494461.1	3859852	2.83E-03	3.06E-03	4.86E-03	9.80E-07	2.96E-06	1.71E-06	1.85E-06	1.68E-06	7.65E-07	1.22E-06	0.00E+00	0.00E+00	3.15E-07	6.28E-08	3.98E-07	6.14E-08	9.43E-08	9.32E-07
2222	494511.1	3859852	2.83E-03	3.05E-03	4.85E-03	9.78E-07	2.95E-06	1.71E-06	1.85E-06	1.67E-06	7.64E-07	1.22E-06	0.00E+00	0.00E+00	3.15E-07	6.27E-08	3.98E-07	6.13E-08	9.41E-08	9.30E-07
2223	494561.1	3859852	2.82E-03	3.05E-03	4.85E-03	9.77E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.63E-07	1.21E-06	0.00E+00	0.00E+00	3.14E-07	6.26E-08	3.97E-07	6.13E-08	9.40E-08	9.29E-07
2224	494611.1	3859852	2.79E-03	3.02E-03	4.80E-03	9.67E-07	2.92E-06	1.69E-06	1.83E-06	1.65E-06	7.55E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.93E-07	6.06E-08	9.30E-08	9.20E-07
2225	494661.1	3859852	2.79E-03	3.01E-03	4.79E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.53E-07	1.20E-06	0.00E+00	0.00E+00	3.10E-07	6.18E-08	3.92E-07	6.05E-08	9.28E-08	9.17E-07
2226	494711.1	3859852	2.76E-03	2.98E-03	4.75E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	6.00E-08	9.20E-08	9.10E-07
2227	494761.1	3859852	2.76E-03	2.98E-03	4.75E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	0.00E+00	0.00E+00	3.07E-07	6.12E-08	3.89E-07	5.99E-08	9.20E-08	9.09E-07
2228	494811.1	3859852	2.75E-03	2.97E-03	4.72E-03	9.51E-07	2.87E-06	1.66E-06	1.79E-06	1.63E-06	7.42E-07	1.18E-06	0.00E+00	0.00E+00	3.06E-07	6.09E-08	3.87E-07	5.96E-08	9.15E-08	9.04E-07
2229	494861.1	3859852	2.74E-03	2.96E-03	4.70E-03	9.48E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.07E-08	3.85E-07	5.94E-08	9.12E-08	9.01E-07
2230	494911.1	3859852	2.72E-03	2.94E-03	4.68E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.35E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.03E-08	3.83E-07	5.90E-08	9.06E-08	8.96E-07
2231	494961.1	3859852	2.71E-03	2.92E-03	4.65E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.81E-07	5.87E-08	9.02E-08	8.91E-07
2232	495011.1	3859852	2.69E-03	2.91E-03	4.63E-03	9.32E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.84E-08	8.97E-08	8.87E-07
2233	495061.1	3859852	2.68E-03	2.90E-03	4.61E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	0.00E+00	0.00E+00	2.99E-07	5.95E-08	3.77E-07	5.82E-08	8.94E-08	8.83E-07
2234	495111.1	3859852	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.78E-08	8.88E-08	8.77E-07
2235	495161.1	3859852	2.65E-03	2.86E-03	4.56E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.88E-08	3.73E-07	5.75E-08	8.83E-08	8.72E-07
2236	495211.1	3859852	2.64E-03	2.85E-03	4.53E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.85E-08	3.71E-07	5.72E-08	8.78E-08	8.68E-07
2237	495261.1	3859852	2.62E-03	2.83E-03	4.51E-03	9.07E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.08E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.73E-08	8.63E-07
2238	495311.1	3859852	2.61E-03	2.82E-03	4.49E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.55E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.79E-08	3.67E-07	5.66E-08	8.69E-08	8.59E-07
2239	495361.1	3859852	2.60E-03	2.80E-03	4.46E-03	8.99E-07	2.71E-06	1.57E-06	1.70E-06	1.54E-06	7.02E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.76E-08	3.65E-07	5.63E-08	8.65E-08	8.55E-07
2240	495411.1	3859852	2.58E-03	2.78E-03	4.43E-03	8.93E-07	2.70E-06	1.56E-06	1.68E-06	1.53E-06	6.97E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.60E-08	8.59E-08	8.49E-07
2241	495461.1	3859852	2.56E-03	2.77E-03	4.41E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.56E-08	8.54E-08	8.43E-07
2242	495511.1	3859852	2.54E-03	2.75E-03	4.37E-03	8.80E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.48E-08	8.37E-07
2243	495561.1	3859852	2.53E-03	2.73E-03	4.36E-03	8.77E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.56E-07	5.50E-08	8.44E-08	8.34E-07
2244	495611.1	3859852	2.52E-03	2.72E-03	4.34E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.59E-08	3.55E-07	5.47E-08	8.41E-08	8.30E-07
2245	495661.1	3859852	2.50E-03	2.70E-03	4.31E-03	8.66E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.34E-08	8.24E-07
2246	494311.1	3859902	2.84E-03	3.07E-03	4.89E-03	9.85E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.69E-07	1.22E-06	0.00E+00	0.00E+00	3.17E-07	6.31E-08	4.00E-07	6.17E-08	9.47E-08	9.36E-07
2247	494361.1	3859902	2.82E-03	3.05E-03	4.84E-03	9.76E-07	2.95E-06	1.71E-06	1.84E-06	1.67E-06	7.62E-07	1.21E-06	0.00E+00	0.00E+00	3.14E-07	6.25E-08	3.97E-07	6.12E-08	9.39E-08	9.29E-07
2248	494411.1	3859902	2.81E-03	3.04E-03	4.83E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.60E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.24E-08	3.96E-07	6.10E-08	9.36E-08	9.26E-07
2249	494461.1	3859902	2.80E-03	3.02E-03	4.81E-03	9.69E-07	2.92E-06	1.69E-06	1.83E-06	1.66E-06	7.56E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.20E-08	3.94E-07	6.07E-08	9.31E-08	9.21E-07
2250	494511.1	3859902	2.79E-03	3.01E-03	4.79E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.10E-07	6.18E-08	3.92E-07	6.05E-08	9.28E-08	9.18E-07
2251	494561.1	3859902	2.79E-03	3.01E-03	4.79E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.10E-07	6.18E-08	3.92E-07	6.05E-08	9.28E-08	9.18E-07
2252	494611.1	3859902	2.76E-03	2.98E-03	4.74E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.63E-06	7.46E-07	1.19E-06	0.00E+00	0.00E+00	3.07E-07	6.12E-08	3.88E-07	5.99E-08	9.19E-08	9.09E-07
2253	494661.1	3859902	2.76E-03	2.98E-03	4.74E-03	9.55E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.45E-07	1.19E-06	0.00E+00	0.00E+00	3.07E-07	6.12E-08	3.88E-07	5.99E-08	9.18E-08	9.08E-07
2254	494711.1	3859902	2.73E-03	2.95E-03	4.69E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.06E-08	3.84E-07	5.93E-08	9.09E-08	8.99E-07
2255	494761.1	3859902	2.73E-03	2.94E-03	4.68E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	9.07E-08	8.97E-07
2256	494811.1	3859902	2.72E-03	2.94E-03	4.67E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.35E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.03E-08	3.83E-07	5.90E-08	9.06E-08	8.95E-07
2257	494861.1	3859902	2.71E-03	2.93E-03	4.66E-03	9.38E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.01E-08	3.81E-07	5.88E-08	9.02E-08	8.92E-07
2258	494911.1	3859902	2.69E-03	2.91E-03	4.63E-03	9.32E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.85E-08	8.97E-08	8.87E-07
2259	494961.1	3859902	2.68E-03	2.90E-03	4.61E-03	9.29E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	0.00E+00	0.00E+00	2.99E-07	5.95E-08	3.78E-07	5.82E-08	8.93E-08	8.83E-07
2260	495011.1	3859902	2.67E-03	2.88E-03	4.58E-03	9.24E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.92E-08	3.75E-07	5.79E-08	8.88E-08	8.78E-07
2261	495061.1	3859902	2.65E-03	2.87E-03	4.56E-03	9.19E-07	2.77E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.89E-08	3.74E-07	5.76E-08	8.84E-08	8.74E-07
2262	495111.1	3859902	2.64E-03	2.85E-03	4.53E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.72E-08	8.79E-08	8.68E-07
2263	495161.1	3859902	2.62E-03	2.83E-03	4.51E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.73E-08	8.63E-07
2264	495211.1	3859902	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.79E-08	3.68E-07	5.67E-08	8.70E-08	8.60E-07
2265	495261.1	3859902	2.59E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.75E-08	3.65E-07	5.63E-08	8.64E-08	8.54E-07
2266	495311.1	3859902	2.58E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.73E-08	3.64E-07	5.61E-08	8.61E-08	8.51E-07
2267	495361.1	3859902	2.57E-03	2.78E-03	4.42E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.70E-08	3.62E-07	5.58E-08	8.56E-08	8.46E-07
2268	495411.1	3859902	2.55E-03	2.76E-03	4.39E-03	8.84E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.90E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.51E-08	8.41E-07
2269	495461.1	3859902	2.54E-03	2.74E-03	4.37E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.57E-07	5.51E-08	8.46E-08	8.36E-07
2270	495511.1	3859902	2.53E-03	2.73E-03	4.35E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.61E-08	3.56E-07	5.49E-08	8.43E-08	8.33E-07
2271	495561.1	3859902	2.52E-03	2.72E-03	4.33E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.59E-08	3.54E-07	5.47E-08	8.39E-08	8.29E-07
2272	495611.1	3859902	2.50E-03	2.70E-03	4.30E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.34E-08	8.24E-07
2273	495661.1	3859902	2.48E-03	2.68E-03	4.27E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.72E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.51E-08	3.50E-07	5.39E-08	8.28E-08	8.18E-07

2274	494311.1	3859952	2.81E-03	3.03E-03	4.82E-03	9.72E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.59E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.23E-08	3.95E-07	6.09E-08	9.34E-08	9.24E-07
2275	494361.1	3859952	2.79E-03	3.01E-03	4.79E-03	9.66E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.54E-07	1.20E-06	0.00E+00	0.00E+00	3.11E-07	6.19E-08	3.93E-07	6.06E-08	9.29E-08	9.19E-07
2276	494411.1	3859952	2.78E-03	3.00E-03	4.77E-03	9.61E-07	2.90E-06	1.68E-06	1.81E-06	1.64E-06	7.50E-07	1.19E-06	0.00E+00	0.00E+00	3.09E-07	6.15E-08	3.91E-07	6.02E-08	9.24E-08	9.14E-07
2277	494461.1	3859952	2.76E-03	2.98E-03	4.74E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.47E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	5.99E-08	9.20E-08	9.09E-07
2278	494511.1	3859952	2.75E-03	2.97E-03	4.73E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.18E-06	0.00E+00	0.00E+00	3.07E-07	6.11E-08	3.87E-07	5.97E-08	9.16E-08	9.06E-07
2279	494561.1	3859952	2.75E-03	2.97E-03	4.73E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.18E-06	0.00E+00	0.00E+00	3.07E-07	6.11E-08	3.88E-07	5.98E-08	9.17E-08	9.07E-07
2280	494611.1	3859952	2.73E-03	2.95E-03	4.69E-03	9.46E-07	2.86E-06	1.65E-06	1.78E-06	1.62E-06	7.38E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.06E-08	3.84E-07	5.93E-08	9.09E-08	8.99E-07
2281	494661.1	3859952	2.73E-03	2.94E-03	4.68E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.08E-08	8.98E-07
2282	494711.1	3859952	2.71E-03	2.92E-03	4.65E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.81E-07	5.87E-08	9.01E-08	8.91E-07
2283	494761.1	3859952	2.70E-03	2.91E-03	4.63E-03	9.34E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.98E-08	3.79E-07	5.85E-08	8.98E-08	8.88E-07
2284	494811.1	3859952	2.69E-03	2.90E-03	4.61E-03	9.30E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.26E-07	1.15E-06	0.00E+00	0.00E+00	2.99E-07	5.96E-08	3.78E-07	5.83E-08	8.94E-08	8.84E-07
2285	494861.1	3859952	2.68E-03	2.89E-03	4.60E-03	9.28E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.15E-06	0.00E+00	0.00E+00	2.98E-07	5.94E-08	3.77E-07	5.81E-08	8.92E-08	8.82E-07
2286	494911.1	3859952	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.78E-08	8.87E-08	8.77E-07
2287	494961.1	3859952	2.65E-03	2.86E-03	4.55E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.16E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.88E-08	3.73E-07	5.75E-08	8.82E-08	8.72E-07
2288	495011.1	3859952	2.64E-03	2.85E-03	4.53E-03	9.12E-07	2.76E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.85E-08	3.71E-07	5.72E-08	8.78E-08	8.68E-07
2289	495061.1	3859952	2.62E-03	2.83E-03	4.51E-03	9.09E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.69E-07	5.70E-08	8.74E-08	8.64E-07
2290	495111.1	3859952	2.61E-03	2.82E-03	4.48E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.55E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.79E-08	3.67E-07	5.66E-08	8.69E-08	8.59E-07
2291	495161.1	3859952	2.59E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.75E-08	3.65E-07	5.63E-08	8.64E-08	8.54E-07
2292	495211.1	3859952	2.58E-03	2.78E-03	4.43E-03	8.93E-07	2.70E-06	1.56E-06	1.68E-06	1.53E-06	6.97E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.60E-08	8.59E-08	8.49E-07
2293	495261.1	3859952	2.57E-03	2.77E-03	4.41E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.94E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.55E-08	8.45E-07
2294	495311.1	3859952	2.56E-03	2.76E-03	4.40E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.52E-08	8.42E-07
2295	495361.1	3859952	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.58E-07	5.53E-08	8.48E-08	8.39E-07
2296	495411.1	3859952	2.53E-03	2.73E-03	4.35E-03	8.76E-07	2.65E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.56E-07	5.49E-08	8.43E-08	8.34E-07
2297	495461.1	3859952	2.52E-03	2.72E-03	4.33E-03	8.72E-07	2.63E-06	1.52E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.39E-08	8.29E-07
2298	495511.1	3859952	2.50E-03	2.70E-03	4.31E-03	8.67E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.34E-08	8.25E-07
2299	495561.1	3859952	2.50E-03	2.70E-03	4.29E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.07E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.52E-07	5.42E-08	8.32E-08	8.22E-07
2300	495611.1	3859952	2.48E-03	2.68E-03	4.27E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.51E-08	3.49E-07	5.39E-08	8.27E-08	8.17E-07
2301	495661.1	3859952	2.47E-03	2.66E-03	4.24E-03	8.53E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.47E-08	3.47E-07	5.35E-08	8.22E-08	8.12E-07
2302	494311.1	3860002	2.77E-03	2.99E-03	4.75E-03	9.58E-07	2.89E-06	1.68E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.14E-08	3.90E-07	6.01E-08	9.21E-08	9.11E-07
2303	494361.1	3860002	2.76E-03	2.97E-03	4.73E-03	9.54E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.45E-07	1.18E-06	0.00E+00	0.00E+00	3.07E-07	6.11E-08	3.88E-07	5.98E-08	9.17E-08	9.07E-07
2304	494411.1	3860002	2.74E-03	2.96E-03	4.70E-03	9.48E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.07E-08	3.85E-07	5.94E-08	9.11E-08	9.01E-07
2305	494461.1	3860002	2.73E-03	2.94E-03	4.68E-03	9.44E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.08E-08	8.98E-07
2306	494511.1	3860002	2.71E-03	2.93E-03	4.66E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.02E-08	3.82E-07	5.89E-08	9.03E-08	8.93E-07
2307	494561.1	3860002	2.72E-03	2.93E-03	4.67E-03	9.41E-07	2.84E-06	1.64E-06	1.78E-06	1.61E-06	7.34E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.03E-08	3.82E-07	5.90E-08	9.04E-08	8.95E-07
2308	494611.1	3860002	2.70E-03	2.92E-03	4.64E-03	9.35E-07	2.82E-06	1.64E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.86E-08	8.99E-08	8.90E-07
2309	494661.1	3860002	2.69E-03	2.91E-03	4.62E-03	9.32E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.84E-08	8.96E-08	8.86E-07
2310	494711.1	3860002	2.67E-03	2.88E-03	4.58E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.78E-08	8.87E-08	8.78E-07
2311	494761.1	3860002	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.78E-08	8.87E-08	8.77E-07
2312	494811.1	3860002	2.66E-03	2.87E-03	4.56E-03	9.19E-07	2.78E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.89E-08	3.74E-07	5.76E-08	8.84E-08	8.74E-07
2313	494861.1	3860002	2.65E-03	2.86E-03	4.55E-03	9.17E-07	2.77E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.87E-08	3.73E-07	5.74E-08	8.81E-08	8.72E-07
2314	494911.1	3860002	2.62E-03	2.83E-03	4.51E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.69E-07	5.69E-08	8.73E-08	8.63E-07
2315	494961.1	3860002	2.62E-03	2.82E-03	4.49E-03	9.05E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.80E-08	3.68E-07	5.67E-08	8.71E-08	8.61E-07
2316	495011.1	3860002	2.60E-03	2.81E-03	4.47E-03	9.00E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.64E-08	8.66E-08	8.56E-07
2317	495061.1	3860002	2.59E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.75E-08	3.65E-07	5.63E-08	8.63E-08	8.54E-07
2318	495111.1	3860002	2.58E-03	2.79E-03	4.43E-03	8.93E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.97E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.72E-08	3.63E-07	5.60E-08	8.59E-08	8.49E-07
2319	495161.1	3860002	2.56E-03	2.77E-03	4.41E-03	8.88E-07	2.68E-06	1.55E-06	1.68E-06	1.52E-06	6.93E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.69E-08	3.61E-07	5.57E-08	8.54E-08	8.44E-07
2320	495211.1	3860002	2.56E-03	2.76E-03	4.39E-03	8.85E-07	2.67E-06	1.55E-06	1.67E-06	1.51E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.51E-08	8.42E-07
2321	495261.1	3860002	2.54E-03	2.75E-03	4.37E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.47E-08	8.37E-07
2322	495311.1	3860002	2.53E-03	2.74E-03	4.35E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.56E-07	5.50E-08	8.44E-08	8.34E-07
2323	495361.1	3860002	2.51E-03	2.71E-03	4.32E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.37E-08	8.28E-07
2324	495411.1	3860002	2.51E-03	2.71E-03	4.31E-03	8.68E-07	2.62E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.56E-08	3.53E-07	5.44E-08	8.35E-08	8.26E-07
2325	495461.1	3860002	2.50E-03	2.70E-03	4.29E-03	8.64E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.07E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.51E-07	5.42E-08	8.31E-08	8.22E-07
2326	495511.1	3860002	2.48E-03	2.68E-03	4.27E-03	8.60E-07	2.60E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.51E-08	3.50E-07	5.39E-08	8.27E-08	8.18E-07
2327	495561.1	3860002	2.48E-03	2.67E-03	4.26E-03	8.57E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.69E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.49E-08	3.48E-07	5.37E-08	8.25E-08	8.15E-07
2328	495611.1	3860002	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.46E-07	5.34E-08	8.20E-08	8.10E-07
2329	495661.1	3860002	2.45E-03	2.64E-03	4.21E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.43E-08	3.44E-07	5.31E-08	8.15E-08	8.06E-07
2330	494411.1	3860052	2.70E-03	2.92E-03	4.64E-03	9.36E-07	2.82E-06	1.64E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.86E-08	8.99E-08	8.90E-07

2331	494461.1	3860052	2.69E-03	2.90E-03	4.62E-03	9.31E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.16E-06	0.00E+00	0.00E+00	2.99E-07	5.97E-08	3.79E-07	5.84E-08	8.95E-08	8.85E-07
2332	494511.1	3860052	2.68E-03	2.89E-03	4.60E-03	9.27E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.24E-07	1.15E-06	0.00E+00	0.00E+00	2.98E-07	5.94E-08	3.77E-07	5.81E-08	8.91E-08	8.82E-07
2333	494561.1	3860052	2.67E-03	2.89E-03	4.59E-03	9.26E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.15E-06	0.00E+00	0.00E+00	2.98E-07	5.93E-08	3.76E-07	5.80E-08	8.90E-08	8.80E-07
2334	494611.1	3860052	2.67E-03	2.88E-03	4.58E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.78E-08	8.87E-08	8.78E-07
2335	494661.1	3860052	2.66E-03	2.87E-03	4.56E-03	9.19E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.18E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.89E-08	3.74E-07	5.76E-08	8.84E-08	8.74E-07
2336	494711.1	3860052	2.64E-03	2.85E-03	4.53E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.73E-08	8.78E-08	8.69E-07
2337	494761.1	3860052	2.63E-03	2.84E-03	4.52E-03	9.10E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.83E-08	3.70E-07	5.71E-08	8.75E-08	8.66E-07
2338	494811.1	3860052	2.62E-03	2.83E-03	4.51E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.69E-07	5.69E-08	8.73E-08	8.64E-07
2339	494861.1	3860052	2.62E-03	2.82E-03	4.49E-03	9.06E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.80E-08	3.68E-07	5.68E-08	8.71E-08	8.61E-07
2340	494911.1	3860052	2.60E-03	2.81E-03	4.47E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.66E-08	8.57E-07
2341	494961.1	3860052	2.59E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.57E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.74E-08	3.64E-07	5.61E-08	8.61E-08	8.52E-07
2342	495011.1	3860052	2.57E-03	2.78E-03	4.42E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.71E-08	3.62E-07	5.58E-08	8.56E-08	8.47E-07
2343	495061.1	3860052	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.56E-08	8.53E-08	8.43E-07
2344	495111.1	3860052	2.55E-03	2.75E-03	4.37E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.65E-08	3.58E-07	5.52E-08	8.48E-08	8.38E-07
2345	495161.1	3860052	2.53E-03	2.74E-03	4.35E-03	8.77E-07	2.65E-06	1.53E-06	1.66E-06	1.50E-06	6.85E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.62E-08	3.57E-07	5.50E-08	8.44E-08	8.34E-07
2346	495211.1	3860052	2.52E-03	2.72E-03	4.33E-03	8.73E-07	2.64E-06	1.53E-06	1.65E-06	1.49E-06	6.81E-07	1.08E-06	0.00E+00	0.00E+00	2.81E-07	5.59E-08	3.55E-07	5.47E-08	8.39E-08	8.30E-07
2347	495261.1	3860052	2.51E-03	2.71E-03	4.32E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.53E-07	5.45E-08	8.36E-08	8.27E-07
2348	495311.1	3860052	2.50E-03	2.70E-03	4.30E-03	8.67E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.34E-08	8.24E-07
2349	495361.1	3860052	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	0.00E+00	0.00E+00	2.78E-07	5.53E-08	3.51E-07	5.41E-08	8.30E-08	8.21E-07
2350	495411.1	3860052	2.48E-03	2.68E-03	4.27E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.51E-08	3.49E-07	5.39E-08	8.27E-08	8.17E-07
2351	495461.1	3860052	2.47E-03	2.67E-03	4.25E-03	8.55E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.23E-08	8.13E-07
2352	495511.1	3860052	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.46E-07	5.34E-08	8.20E-08	8.10E-07
2353	495561.1	3860052	2.45E-03	2.65E-03	4.21E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.43E-08	3.45E-07	5.32E-08	8.16E-08	8.07E-07
2354	495611.1	3860052	2.44E-03	2.63E-03	4.19E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.41E-08	3.43E-07	5.29E-08	8.12E-08	8.03E-07
2355	495661.1	3860052	2.42E-03	2.62E-03	4.16E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.43E-06	6.55E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.37E-08	3.41E-07	5.26E-08	8.07E-08	7.98E-07
2356	494411.1	3860102	2.66E-03	2.87E-03	4.57E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.19E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.74E-07	5.77E-08	8.85E-08	8.75E-07
2357	494461.1	3860102	2.65E-03	2.87E-03	4.56E-03	9.19E-07	2.77E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.14E-06	0.00E+00	0.00E+00	2.95E-07	5.88E-08	3.73E-07	5.76E-08	8.83E-08	8.74E-07
2358	494511.1	3860102	2.64E-03	2.85E-03	4.53E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.73E-08	8.78E-08	8.69E-07
2359	494561.1	3860102	2.63E-03	2.84E-03	4.52E-03	9.11E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.11E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.83E-08	3.70E-07	5.71E-08	8.76E-08	8.66E-07
2360	494611.1	3860102	2.63E-03	2.84E-03	4.51E-03	9.09E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.70E-07	5.70E-08	8.74E-08	8.65E-07
2361	494661.1	3860102	2.62E-03	2.83E-03	4.50E-03	9.06E-07	2.74E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.13E-06	0.00E+00	0.00E+00	2.91E-07	5.80E-08	3.68E-07	5.68E-08	8.71E-08	8.62E-07
2362	494711.1	3860102	2.60E-03	2.81E-03	4.47E-03	9.01E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.03E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.66E-08	8.57E-07
2363	494761.1	3860102	2.59E-03	2.80E-03	4.46E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.12E-06	0.00E+00	0.00E+00	2.89E-07	5.75E-08	3.65E-07	5.63E-08	8.63E-08	8.54E-07
2364	494811.1	3860102	2.59E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.99E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.73E-08	3.64E-07	5.61E-08	8.60E-08	8.51E-07
2365	494861.1	3860102	2.58E-03	2.79E-03	4.44E-03	8.95E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.11E-06	0.00E+00	0.00E+00	2.88E-07	5.73E-08	3.64E-07	5.61E-08	8.60E-08	8.51E-07
2366	494911.1	3860102	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.56E-08	8.53E-08	8.43E-07
2367	494961.1	3860102	2.55E-03	2.75E-03	4.38E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.49E-08	8.40E-07
2368	495011.1	3860102	2.54E-03	2.74E-03	4.36E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.57E-07	5.51E-08	8.45E-08	8.36E-07
2369	495061.1	3860102	2.53E-03	2.73E-03	4.34E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.60E-08	3.56E-07	5.48E-08	8.41E-08	8.32E-07
2370	495111.1	3860102	2.51E-03	2.71E-03	4.31E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.53E-07	5.45E-08	8.36E-08	8.27E-07
2371	495161.1	3860102	2.50E-03	2.70E-03	4.30E-03	8.66E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.33E-08	8.24E-07
2372	495211.1	3860102	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.60E-06	1.51E-06	1.63E-06	1.48E-06	6.73E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.53E-08	3.51E-07	5.41E-08	8.30E-08	8.20E-07
2373	495261.1	3860102	2.48E-03	2.68E-03	4.26E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.70E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.50E-08	3.49E-07	5.38E-08	8.26E-08	8.17E-07
2374	495311.1	3860102	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.58E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.23E-08	8.14E-07
2375	495361.1	3860102	2.46E-03	2.66E-03	4.23E-03	8.53E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.47E-07	5.35E-08	8.20E-08	8.11E-07
2376	495411.1	3860102	2.45E-03	2.65E-03	4.21E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.32E-08	8.17E-08	8.07E-07
2377	495461.1	3860102	2.44E-03	2.63E-03	4.19E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.41E-08	3.43E-07	5.29E-08	8.12E-08	8.03E-07
2378	495511.1	3860102	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.39E-08	3.42E-07	5.27E-08	8.09E-08	8.00E-07
2379	495561.1	3860102	2.42E-03	2.62E-03	4.16E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.37E-08	3.41E-07	5.26E-08	8.07E-08	7.98E-07
2380	495611.1	3860102	2.41E-03	2.60E-03	4.14E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.23E-08	8.02E-08	7.93E-07
2381	495661.1	3860102	2.40E-03	2.59E-03	4.12E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.38E-07	5.20E-08	7.99E-08	7.90E-07
2382	494861.1	3860152	2.56E-03	2.76E-03	4.40E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.55E-08	8.53E-08	8.43E-07
2383	494911.1	3860152	2.53E-03	2.73E-03	4.34E-03	8.75E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.09E-06	0.00E+00	0.00E+00	2.81E-07	5.61E-08	3.56E-07	5.49E-08	8.42E-08	8.32E-07
2384	494961.1	3860152	2.52E-03	2.72E-03	4.32E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.38E-08	8.28E-07
2385	495011.1	3860152	2.50E-03	2.70E-03	4.30E-03	8.67E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.34E-08	8.25E-07
2386	495061.1	3860152	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.53E-08	3.51E-07	5.41E-08	8.30E-08	8.21E-07
2387	495111.1	3860152	2.48E-03	2.68E-03	4.26E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.50E-08	3.49E-07	5.39E-08	8.26E-08	8.17E-07

2388	495161.1	3860152	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.58E-06	1.50E-06	1.61E-06	1.46E-06	6.68E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.23E-08	8.14E-07
2389	495211.1	3860152	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.46E-07	5.34E-08	8.19E-08	8.10E-07
2390	495261.1	3860152	2.45E-03	2.65E-03	4.21E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.32E-08	8.16E-08	8.07E-07
2391	495311.1	3860152	2.44E-03	2.64E-03	4.19E-03	8.45E-07	2.55E-06	1.48E-06	1.60E-06	1.45E-06	6.60E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.41E-08	3.44E-07	5.30E-08	8.13E-08	8.04E-07
2392	495361.1	3860152	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.39E-08	3.42E-07	5.28E-08	8.10E-08	8.01E-07
2393	495411.1	3860152	2.42E-03	2.62E-03	4.16E-03	8.38E-07	2.53E-06	1.47E-06	1.58E-06	1.43E-06	6.55E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.37E-08	3.41E-07	5.26E-08	8.06E-08	7.97E-07
2394	495461.1	3860152	2.41E-03	2.60E-03	4.14E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.35E-08	3.39E-07	5.23E-08	8.03E-08	7.94E-07
2395	495511.1	3860152	2.40E-03	2.59E-03	4.13E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.33E-08	3.38E-07	5.21E-08	8.00E-08	7.91E-07
2396	495561.1	3860152	2.39E-03	2.58E-03	4.11E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.42E-06	6.46E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.31E-08	3.37E-07	5.19E-08	7.97E-08	7.88E-07
2397	495611.1	3860152	2.38E-03	2.57E-03	4.09E-03	8.24E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.44E-07	1.02E-06	0.00E+00	0.00E+00	2.65E-07	5.28E-08	3.35E-07	5.17E-08	7.93E-08	7.84E-07
2398	495661.1	3860152	2.37E-03	2.56E-03	4.07E-03	8.20E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.33E-07	5.14E-08	7.89E-08	7.80E-07
2399	495718.3	3859443	2.45E-03	2.64E-03	4.22E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.06E-06	0.00E+00	0.00E+00	2.72E-07	5.43E-08	3.45E-07	5.31E-08	8.17E-08	8.06E-07
2400	495818.3	3859443	2.40E-03	2.59E-03	4.14E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.04E-06	0.00E+00	0.00E+00	2.67E-07	5.33E-08	3.38E-07	5.21E-08	8.02E-08	7.91E-07
2401	495918.3	3859443	2.37E-03	2.56E-03	4.08E-03	8.20E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.34E-07	5.14E-08	7.91E-08	7.80E-07
2402	496018.3	3859443	2.34E-03	2.53E-03	4.04E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.20E-08	3.30E-07	5.08E-08	7.82E-08	7.71E-07
2403	496118.3	3859443	2.36E-03	2.55E-03	4.06E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.23E-08	3.32E-07	5.12E-08	7.87E-08	7.77E-07
2404	496218.3	3859443	2.37E-03	2.56E-03	4.08E-03	8.20E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.25E-08	3.33E-07	5.14E-08	7.90E-08	7.80E-07
2405	496318.3	3859443	2.34E-03	2.53E-03	4.04E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.34E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.20E-08	3.30E-07	5.09E-08	7.83E-08	7.72E-07
2406	496418.3	3859443	2.32E-03	2.50E-03	4.00E-03	8.03E-07	2.42E-06	1.40E-06	1.52E-06	1.37E-06	6.27E-07	1.00E-06	0.00E+00	0.00E+00	2.58E-07	5.14E-08	3.26E-07	5.03E-08	7.74E-08	7.64E-07
2407	495718.3	3859543	2.48E-03	2.68E-03	4.27E-03	8.59E-07	2.59E-06	1.50E-06	1.62E-06	1.47E-06	6.71E-07	1.07E-06	0.00E+00	0.00E+00	2.76E-07	5.50E-08	3.49E-07	5.39E-08	8.28E-08	8.17E-07
2408	495818.3	3859543	2.45E-03	2.64E-03	4.22E-03	8.48E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.62E-07	1.06E-06	0.00E+00	0.00E+00	2.73E-07	5.43E-08	3.45E-07	5.32E-08	8.17E-08	8.06E-07
2409	495918.3	3859543	2.41E-03	2.60E-03	4.15E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.23E-08	8.04E-08	7.93E-07
2410	496018.3	3859543	2.37E-03	2.57E-03	4.09E-03	8.22E-07	2.48E-06	1.44E-06	1.55E-06	1.41E-06	6.42E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.27E-08	3.34E-07	5.16E-08	7.93E-08	7.82E-07
2411	496118.3	3859543	2.39E-03	2.58E-03	4.11E-03	8.26E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.36E-07	5.18E-08	7.97E-08	7.86E-07
2412	496218.3	3859543	2.39E-03	2.58E-03	4.11E-03	8.26E-07	2.49E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.29E-08	3.36E-07	5.18E-08	7.97E-08	7.86E-07
2413	496318.3	3859543	2.38E-03	2.57E-03	4.10E-03	8.23E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.03E-06	0.00E+00	0.00E+00	2.65E-07	5.27E-08	3.35E-07	5.16E-08	7.94E-08	7.83E-07
2414	496418.3	3859543	2.34E-03	2.53E-03	4.04E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.20E-08	3.30E-07	5.09E-08	7.82E-08	7.72E-07
2415	495718.3	3859643	2.49E-03	2.69E-03	4.29E-03	8.62E-07	2.60E-06	1.51E-06	1.63E-06	1.48E-06	6.73E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.52E-08	3.51E-07	5.41E-08	8.31E-08	8.20E-07
2416	495818.3	3859643	2.45E-03	2.65E-03	4.23E-03	8.49E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.63E-07	1.06E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.33E-08	8.19E-08	8.08E-07
2417	495918.3	3859643	2.43E-03	2.62E-03	4.19E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.70E-07	5.39E-08	3.42E-07	5.27E-08	8.11E-08	8.00E-07
2418	496018.3	3859643	2.40E-03	2.59E-03	4.13E-03	8.30E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.48E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.37E-07	5.20E-08	8.00E-08	7.90E-07
2419	496118.3	3859643	2.41E-03	2.61E-03	4.16E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.35E-08	3.40E-07	5.24E-08	8.05E-08	7.94E-07
2420	496218.3	3859643	2.41E-03	2.61E-03	4.16E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.35E-08	3.40E-07	5.24E-08	8.06E-08	7.95E-07
2421	496318.3	3859643	2.39E-03	2.58E-03	4.11E-03	8.26E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.45E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.36E-07	5.18E-08	7.97E-08	7.86E-07
2422	496418.3	3859643	2.29E-03	2.48E-03	3.95E-03	7.94E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.90E-07	0.00E+00	0.00E+00	2.55E-07	5.09E-08	3.23E-07	4.98E-08	7.66E-08	7.56E-07
2423	495718.3	3859743	2.50E-03	2.70E-03	4.31E-03	8.67E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.35E-08	8.25E-07
2424	495818.3	3859743	2.46E-03	2.66E-03	4.24E-03	8.53E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.47E-07	5.35E-08	8.22E-08	8.11E-07
2425	495918.3	3859743	2.43E-03	2.63E-03	4.19E-03	8.43E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.40E-08	3.43E-07	5.28E-08	8.12E-08	8.02E-07
2426	496018.3	3859743	2.40E-03	2.59E-03	4.14E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.04E-06	0.00E+00	0.00E+00	2.67E-07	5.33E-08	3.38E-07	5.21E-08	8.01E-08	7.91E-07
2427	496118.3	3859743	2.41E-03	2.60E-03	4.15E-03	8.33E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.23E-08	8.03E-08	7.93E-07
2428	496218.3	3859743	2.42E-03	2.61E-03	4.17E-03	8.37E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.54E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.37E-08	3.40E-07	5.25E-08	8.07E-08	7.97E-07
2429	496318.3	3859743	2.35E-03	2.54E-03	4.04E-03	8.13E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.35E-07	1.01E-06	0.00E+00	0.00E+00	2.61E-07	5.21E-08	3.30E-07	5.10E-08	7.84E-08	7.73E-07
2430	496418.3	3859743	2.28E-03	2.46E-03	3.93E-03	7.90E-07	2.38E-06	1.38E-06	1.49E-06	1.35E-06	6.17E-07	9.83E-07	0.00E+00	0.00E+00	2.54E-07	5.06E-08	3.21E-07	4.95E-08	7.61E-08	7.51E-07
2431	495718.3	3859843	2.49E-03	2.69E-03	4.28E-03	8.62E-07	2.60E-06	1.51E-06	1.63E-06	1.47E-06	6.73E-07	1.07E-06	0.00E+00	0.00E+00	2.77E-07	5.52E-08	3.50E-07	5.40E-08	8.30E-08	8.20E-07
2432	495818.3	3859843	2.46E-03	2.66E-03	4.24E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.46E-07	5.34E-08	8.21E-08	8.10E-07
2433	495918.3	3859843	2.43E-03	2.63E-03	4.19E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.39E-08	3.42E-07	5.28E-08	8.11E-08	8.01E-07
2434	496018.3	3859843	2.41E-03	2.61E-03	4.15E-03	8.36E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.35E-08	3.40E-07	5.24E-08	8.05E-08	7.95E-07
2435	496118.3	3859843	2.43E-03	2.62E-03	4.18E-03	8.40E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.27E-08	8.09E-08	7.99E-07
2436	496218.3	3859843	2.37E-03	2.56E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.25E-08	3.33E-07	5.14E-08	7.89E-08	7.79E-07
2437	496318.3	3859843	2.24E-03	2.42E-03	3.86E-03	7.77E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.06E-07	9.67E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.87E-08	7.49E-08	7.39E-07
2438	496418.3	3859843	2.16E-03	2.33E-03	3.72E-03	7.47E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.30E-07	0.00E+00	0.00E+00	2.40E-07	4.79E-08	3.04E-07	4.68E-08	7.20E-08	7.11E-07
2439	495718.3	3859943	2.46E-03	2.65E-03	4.23E-03	8.51E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.64E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.45E-08	3.46E-07	5.33E-08	8.19E-08	8.09E-07
2440	495818.3	3859943	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.70E-07	5.39E-08	3.42E-07	5.27E-08	8.10E-08	8.00E-07
2441	495918.3	3859943	2.41E-03	2.60E-03	4.14E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.23E-08	8.03E-08	7.93E-07
2442	496018.3	3859943	2.41E-03	2.60E-03	4.14E-03	8.33E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.04E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.22E-08	8.02E-08	7.93E-07
2443	496118.3	3859943	2.37E-03	2.55E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.39E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.25E-08	3.33E-07	5.13E-08	7.88E-08	7.79E-07
2444	496218.3	3859943	2.29E-03	2.48E-03	3.95E-03	7.94E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.88E-07	0.00E+00	0.00E+00	2.55E-07	5.09E-08	3.23E-07	4.98E-08	7.65E-08	7.56E-07

2445	496318.3	3859943	2.22E-03	2.39E-03	3.82E-03	7.67E-07	2.32E-06	1.34E-06	1.45E-06	1.31E-06	5.99E-07	9.55E-07	0.00E+00	0.00E+00	2.47E-07	4.92E-08	3.12E-07	4.81E-08	7.39E-08	7.30E-07
2446	496418.3	3859943	2.10E-03	2.27E-03	3.62E-03	7.28E-07	2.20E-06	1.27E-06	1.37E-06	1.25E-06	5.68E-07	9.06E-07	0.00E+00	0.00E+00	2.34E-07	4.66E-08	2.96E-07	4.56E-08	7.02E-08	6.93E-07
2447	496856.8	3858865	1.96E-03	2.11E-03	3.37E-03	6.78E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.29E-07	8.43E-07	0.00E+00	0.00E+00	2.18E-07	4.34E-08	2.76E-07	4.25E-08	6.53E-08	6.45E-07
2448	496956.8	3858865	1.93E-03	2.08E-03	3.32E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.30E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.71E-07	4.19E-08	6.43E-08	6.35E-07
2449	497056.8	3858865	1.90E-03	2.05E-03	3.27E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.14E-07	8.19E-07	0.00E+00	0.00E+00	2.12E-07	4.22E-08	2.68E-07	4.13E-08	6.34E-08	6.26E-07
2450	497156.8	3858865	1.87E-03	2.02E-03	3.21E-03	6.46E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.04E-07	8.03E-07	0.00E+00	0.00E+00	2.08E-07	4.14E-08	2.63E-07	4.05E-08	6.22E-08	6.14E-07
2451	497256.8	3858865	1.86E-03	2.00E-03	3.19E-03	6.42E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.02E-07	7.99E-07	0.00E+00	0.00E+00	2.07E-07	4.12E-08	2.61E-07	4.03E-08	6.19E-08	6.11E-07
2452	496856.8	3858965	2.01E-03	2.17E-03	3.45E-03	6.94E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.64E-07	0.00E+00	0.00E+00	2.23E-07	4.45E-08	2.82E-07	4.35E-08	6.69E-08	6.60E-07
2453	496956.8	3858965	1.96E-03	2.12E-03	3.38E-03	6.79E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.45E-07	0.00E+00	0.00E+00	2.19E-07	4.35E-08	2.76E-07	4.26E-08	6.55E-08	6.46E-07
2454	497056.8	3858965	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.32E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.72E-07	4.19E-08	6.44E-08	6.36E-07
2455	497156.8	3858965	1.90E-03	2.05E-03	3.27E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.13E-07	8.18E-07	0.00E+00	0.00E+00	2.11E-07	4.21E-08	2.67E-07	4.12E-08	6.33E-08	6.25E-07
2456	497256.8	3858965	1.92E-03	2.07E-03	3.30E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.18E-07	8.25E-07	0.00E+00	0.00E+00	2.13E-07	4.25E-08	2.70E-07	4.16E-08	6.39E-08	6.31E-07
2457	496856.8	3859065	2.02E-03	2.19E-03	3.48E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.72E-07	0.00E+00	0.00E+00	2.25E-07	4.49E-08	2.85E-07	4.39E-08	6.75E-08	6.66E-07
2458	496956.8	3859065	1.99E-03	2.15E-03	3.42E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.38E-07	8.57E-07	0.00E+00	0.00E+00	2.21E-07	4.41E-08	2.80E-07	4.32E-08	6.63E-08	6.55E-07
2459	497056.8	3859065	1.96E-03	2.12E-03	3.38E-03	6.79E-07	2.05E-06	1.19E-06	1.28E-06	1.16E-06	5.30E-07	8.45E-07	0.00E+00	0.00E+00	2.18E-07	4.35E-08	2.76E-07	4.26E-08	6.54E-08	6.46E-07
2460	497156.8	3859065	1.94E-03	2.09E-03	3.34E-03	6.71E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.24E-07	8.35E-07	0.00E+00	0.00E+00	2.16E-07	4.30E-08	2.73E-07	4.21E-08	6.46E-08	6.38E-07
2461	497256.8	3859065	1.97E-03	2.13E-03	3.39E-03	6.82E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.49E-07	0.00E+00	0.00E+00	2.19E-07	4.37E-08	2.77E-07	4.28E-08	6.58E-08	6.49E-07
2462	496856.8	3859165	2.02E-03	2.18E-03	3.48E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.70E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.38E-08	6.74E-08	6.65E-07
2463	496956.8	3859165	1.98E-03	2.14E-03	3.41E-03	6.86E-07	2.07E-06	1.20E-06	1.30E-06	1.17E-06	5.36E-07	8.54E-07	0.00E+00	0.00E+00	2.21E-07	4.40E-08	2.79E-07	4.30E-08	6.61E-08	6.53E-07
2464	497056.8	3859165	1.97E-03	2.13E-03	3.39E-03	6.82E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.48E-07	0.00E+00	0.00E+00	2.19E-07	4.37E-08	2.77E-07	4.27E-08	6.57E-08	6.48E-07
2465	497156.8	3859165	1.98E-03	2.14E-03	3.41E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.54E-07	0.00E+00	0.00E+00	2.21E-07	4.39E-08	2.79E-07	4.30E-08	6.61E-08	6.52E-07
2466	497256.8	3859165	2.02E-03	2.19E-03	3.49E-03	7.01E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.73E-07	0.00E+00	0.00E+00	2.25E-07	4.49E-08	2.85E-07	4.40E-08	6.76E-08	6.67E-07
2467	496856.8	3859265	2.00E-03	2.16E-03	3.45E-03	6.93E-07	2.09E-06	1.21E-06	1.31E-06	1.19E-06	5.41E-07	8.62E-07	0.00E+00	0.00E+00	2.23E-07	4.44E-08	2.82E-07	4.34E-08	6.68E-08	6.59E-07
2468	496956.8	3859265	2.00E-03	2.16E-03	3.44E-03	6.91E-07	2.09E-06	1.21E-06	1.30E-06	1.18E-06	5.40E-07	8.60E-07	0.00E+00	0.00E+00	2.22E-07	4.43E-08	2.81E-07	4.33E-08	6.66E-08	6.58E-07
2469	497056.8	3859265	2.01E-03	2.17E-03	3.46E-03	6.96E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.44E-07	8.67E-07	0.00E+00	0.00E+00	2.24E-07	4.46E-08	2.83E-07	4.37E-08	6.71E-08	6.63E-07
2470	497156.8	3859265	2.02E-03	2.18E-03	3.48E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.72E-07	0.00E+00	0.00E+00	2.25E-07	4.49E-08	2.85E-07	4.39E-08	6.75E-08	6.66E-07
2471	497256.8	3859265	2.06E-03	2.22E-03	3.54E-03	7.12E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.56E-07	8.87E-07	0.00E+00	0.00E+00	2.29E-07	4.56E-08	2.90E-07	4.47E-08	6.87E-08	6.78E-07
2472	497088.9	3858621	1.78E-03	1.92E-03	3.07E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.06E-06	4.82E-07	7.67E-07	0.00E+00	0.00E+00	1.98E-07	3.95E-08	2.51E-07	3.87E-08	5.94E-08	5.87E-07
2473	497138.9	3858621	1.78E-03	1.92E-03	3.06E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.66E-07	0.00E+00	0.00E+00	1.98E-07	3.95E-08	2.50E-07	3.86E-08	5.93E-08	5.86E-07
2474	497188.9	3858621	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.61E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.49E-07	3.84E-08	5.89E-08	5.82E-07
2475	497238.9	3858621	1.76E-03	1.90E-03	3.02E-03	6.09E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.57E-07	0.00E+00	0.00E+00	1.96E-07	3.90E-08	2.48E-07	3.82E-08	5.86E-08	5.79E-07
2476	497088.9	3858671	1.79E-03	1.93E-03	3.07E-03	6.18E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.68E-07	0.00E+00	0.00E+00	1.99E-07	3.96E-08	2.51E-07	3.88E-08	5.95E-08	5.88E-07
2477	497138.9	3858671	1.79E-03	1.94E-03	3.08E-03	6.20E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.84E-07	7.71E-07	0.00E+00	0.00E+00	1.99E-07	3.97E-08	2.52E-07	3.89E-08	5.97E-08	5.90E-07
2478	497188.9	3858671	1.78E-03	1.92E-03	3.06E-03	6.15E-07	1.86E-06	1.07E-06	1.16E-06	1.05E-06	4.80E-07	7.65E-07	0.00E+00	0.00E+00	1.98E-07	3.94E-08	2.50E-07	3.86E-08	5.92E-08	5.85E-07
2479	497238.9	3858671	1.77E-03	1.91E-03	3.05E-03	6.14E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.63E-07	0.00E+00	0.00E+00	1.97E-07	3.93E-08	2.50E-07	3.85E-08	5.91E-08	5.84E-07
2480	497088.9	3858721	1.82E-03	1.97E-03	3.14E-03	6.31E-07	1.91E-06	1.10E-06	1.19E-06	1.08E-06	4.93E-07	7.85E-07	0.00E+00	0.00E+00	2.03E-07	4.04E-08	2.57E-07	3.96E-08	6.08E-08	6.00E-07
2481	497138.9	3858721	1.78E-03	1.92E-03	3.06E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.06E-06	4.82E-07	7.67E-07	0.00E+00	0.00E+00	1.98E-07	3.95E-08	2.51E-07	3.87E-08	5.94E-08	5.87E-07
2482	497188.9	3858721	1.77E-03	1.91E-03	3.05E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.63E-07	0.00E+00	0.00E+00	1.97E-07	3.93E-08	2.49E-07	3.85E-08	5.91E-08	5.83E-07
2483	497238.9	3858721	1.79E-03	1.94E-03	3.08E-03	6.21E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.84E-07	7.72E-07	0.00E+00	0.00E+00	2.00E-07	3.98E-08	2.52E-07	3.89E-08	5.98E-08	5.90E-07
2484	497088.9	3858771	1.83E-03	1.98E-03	3.15E-03	6.35E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.95E-07	7.89E-07	0.00E+00	0.00E+00	2.04E-07	4.07E-08	2.58E-07	3.98E-08	6.11E-08	6.04E-07
2485	497138.9	3858771	1.82E-03	1.96E-03	3.12E-03	6.28E-07	1.90E-06	1.10E-06	1.19E-06	1.08E-06	4.91E-07	7.81E-07	0.00E+00	0.00E+00	2.02E-07	4.03E-08	2.55E-07	3.94E-08	6.05E-08	5.98E-07
2486	497188.9	3858771	1.80E-03	1.94E-03	3.10E-03	6.23E-07	1.88E-06	1.09E-06	1.18E-06	1.07E-06	4.87E-07	7.75E-07	0.00E+00	0.00E+00	2.00E-07	3.99E-08	2.53E-07	3.91E-08	6.00E-08	5.93E-07
2487	497238.9	3858771	1.81E-03	1.96E-03	3.12E-03	6.27E-07	1.89E-06	1.10E-06	1.18E-06	1.07E-06	4.90E-07	7.80E-07	0.00E+00	0.00E+00	2.02E-07	4.02E-08	2.55E-07	3.93E-08	6.04E-08	5.97E-07
2488	497396.7	3858623	1.82E-03	1.97E-03	3.14E-03	6.31E-07	1.91E-06	1.10E-06	1.19E-06	1.08E-06	4.93E-07	7.85E-07	0.00E+00	0.00E+00	2.03E-07	4.04E-08	2.57E-07	3.96E-08	6.08E-08	6.00E-07
2489	497496.7	3858623	1.86E-03	2.01E-03	3.20E-03	6.44E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.02E-07	8.00E-07	0.00E+00	0.00E+00	2.07E-07	4.12E-08	2.62E-07	4.03E-08	6.20E-08	6.12E-07
2490	497596.7	3858623	1.93E-03	2.08E-03	3.32E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.30E-07	0.00E+00	0.00E+00	2.14E-07	4.27E-08	2.71E-07	4.18E-08	6.43E-08	6.35E-07
2491	497696.7	3858623	1.95E-03	2.10E-03	3.35E-03	6.74E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.38E-07	0.00E+00	0.00E+00	2.17E-07	4.32E-08	2.74E-07	4.22E-08	6.49E-08	6.41E-07
2492	497796.7	3858623	1.99E-03	2.15E-03	3.43E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.38E-07	8.57E-07	0.00E+00	0.00E+00	2.21E-07	4.41E-08	2.80E-07	4.32E-08	6.64E-08	6.55E-07
2493	497896.7	3858623	2.03E-03	2.20E-03	3.50E-03	7.04E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.76E-07	0.00E+00	0.00E+00	2.26E-07	4.51E-08	2.86E-07	4.41E-08	6.78E-08	6.69E-07
2494	497396.7	3858723	1.87E-03	2.02E-03	3.22E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	8.05E-07	0.00E+00	0.00E+00	2.08E-07	4.15E-08	2.63E-07	4.06E-08	6.24E-08	6.16E-07
2495	497496.7	3858723	1.91E-03	2.06E-03	3.28E-03	6.60E-07	1.99E-06	1.15E-06	1.25E-06	1.13E-06	5.15E-07	8.21E-07	0.00E+00	0.00E+00	2.12E-07	4.23E-08	2.68E-07	4.14E-08	6.36E-08	6.28E-07
2496	497596.7	3858723	1.97E-03	2.13E-03	3.40E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.50E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.28E-08	6.58E-08	6.50E-07
2497	497696.7	3858723	2.01E-03	2.17E-03	3.46E-03	6.95E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.43E-07	8.66E-07	0.00E+00	0.00E+00	2.24E-07	4.46E-08	2.83E-07	4.36E-08	6.70E-08	6.62E-07
2498	497796.7	3858723	2.03E-03	2.19E-03	3.49E-03	7.01E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.48E-07	8.73E-07	0.00E+00	0.00E+00	2.26E-07	4.49E-08	2.85E-07	4.40E-08	6.76E-08	6.67E-07
2499	497896.7	3858723	2.05E-03	2.22E-03	3.54E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.55E-07	8.86E-07	0.00E+00	0.00E+00	2.29E-07	4.56E-08	2.89E-07	4.46E-08	6.86E-08	6.77E-07
2500	497396.7	3858823	1.90E-03	2.05E-03	3.27E-03	6.57E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.13E-07	8.17E-07	0.00E+00	0.00E+00	2.11E-07	4.21E-08	2.67E-07	4.12E-08	6.33E-08	6.25E-07
2501	497496.7	3858823	1.93E-03	2.08E-03	3.32E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.32E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.72E-07	4.19E-08	6.44E-08	6.36E-07

2502	497596.7	3858823	2.01E-03	2.17E-03	3.45E-03	6.94E-07	2.10E-06	1.21E-06	1.31E-06	1.19E-06	5.42E-07	8.65E-07	0.00E+00	0.00E+00	2.23E-07	4.45E-08	2.82E-07	4.35E-08	6.70E-08	6.61E-07
2503	497696.7	3858823	2.03E-03	2.20E-03	3.50E-03	7.04E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.76E-07	0.00E+00	0.00E+00	2.26E-07	4.51E-08	2.86E-07	4.41E-08	6.78E-08	6.69E-07
2504	497796.7	3858823	2.05E-03	2.21E-03	3.53E-03	7.09E-07	2.14E-06	1.24E-06	1.34E-06	1.21E-06	5.54E-07	8.84E-07	0.00E+00	0.00E+00	2.28E-07	4.55E-08	2.88E-07	4.45E-08	6.84E-08	6.75E-07
2505	497896.7	3858823	2.10E-03	2.27E-03	3.62E-03	7.27E-07	2.20E-06	1.27E-06	1.37E-06	1.24E-06	5.68E-07	9.06E-07	0.00E+00	0.00E+00	2.34E-07	4.66E-08	2.96E-07	4.56E-08	7.01E-08	6.92E-07
2506	497396.7	3858923	1.93E-03	2.09E-03	3.32E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.32E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.72E-07	4.19E-08	6.44E-08	6.36E-07
2507	497496.7	3858923	2.00E-03	2.16E-03	3.44E-03	6.91E-07	2.09E-06	1.21E-06	1.30E-06	1.18E-06	5.40E-07	8.61E-07	0.00E+00	0.00E+00	2.22E-07	4.43E-08	2.81E-07	4.33E-08	6.66E-08	6.58E-07
2508	497596.7	3858923	1.99E-03	2.15E-03	3.43E-03	6.90E-07	2.08E-06	1.21E-06	1.30E-06	1.18E-06	5.39E-07	8.59E-07	0.00E+00	0.00E+00	2.22E-07	4.42E-08	2.81E-07	4.33E-08	6.65E-08	6.56E-07
2509	497696.7	3858923	2.07E-03	2.23E-03	3.56E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.92E-07	0.00E+00	0.00E+00	2.30E-07	4.59E-08	2.91E-07	4.49E-08	6.90E-08	6.81E-07
2510	497796.7	3858923	2.11E-03	2.28E-03	3.63E-03	7.29E-07	2.20E-06	1.27E-06	1.38E-06	1.25E-06	5.70E-07	9.08E-07	0.00E+00	0.00E+00	2.35E-07	4.67E-08	2.97E-07	4.57E-08	7.03E-08	6.94E-07
2511	497896.7	3858923	2.17E-03	2.34E-03	3.74E-03	7.51E-07	2.27E-06	1.31E-06	1.42E-06	1.29E-06	5.87E-07	9.36E-07	0.00E+00	0.00E+00	2.42E-07	4.81E-08	3.06E-07	4.71E-08	7.25E-08	7.15E-07
2512	497364.4	3858202	1.74E-03	1.88E-03	2.99E-03	6.02E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.48E-07	0.00E+00	0.00E+00	1.93E-07	3.85E-08	2.45E-07	3.77E-08	5.79E-08	5.72E-07
2513	497414.4	3858202	1.75E-03	1.89E-03	3.02E-03	6.07E-07	1.83E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.55E-07	0.00E+00	0.00E+00	1.95E-07	3.89E-08	2.47E-07	3.81E-08	5.84E-08	5.77E-07
2514	497464.4	3858202	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.61E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.49E-07	3.84E-08	5.89E-08	5.82E-07
2515	497514.4	3858202	1.78E-03	1.92E-03	3.05E-03	6.15E-07	1.86E-06	1.07E-06	1.16E-06	1.05E-06	4.80E-07	7.64E-07	0.00E+00	0.00E+00	1.98E-07	3.94E-08	2.50E-07	3.85E-08	5.92E-08	5.85E-07
2516	497564.4	3858202	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.78E-07	7.61E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.49E-07	3.84E-08	5.89E-08	5.82E-07
2517	497614.4	3858202	1.77E-03	1.91E-03	3.05E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.62E-07	0.00E+00	0.00E+00	1.97E-07	3.93E-08	2.49E-07	3.84E-08	5.90E-08	5.83E-07
2518	497364.4	3858252	1.77E-03	1.91E-03	3.04E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.77E-07	7.60E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.49E-07	3.83E-08	5.89E-08	5.81E-07
2519	497414.4	3858252	1.79E-03	1.93E-03	3.08E-03	6.19E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.70E-07	0.00E+00	0.00E+00	1.99E-07	3.97E-08	2.52E-07	3.88E-08	5.96E-08	5.89E-07
2520	497464.4	3858252	1.77E-03	1.92E-03	3.05E-03	6.14E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.80E-07	7.64E-07	0.00E+00	0.00E+00	1.97E-07	3.93E-08	2.50E-07	3.85E-08	5.91E-08	5.84E-07
2521	497514.4	3858252	1.76E-03	1.90E-03	3.02E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.56E-07	0.00E+00	0.00E+00	1.95E-07	3.90E-08	2.47E-07	3.81E-08	5.85E-08	5.78E-07
2522	497564.4	3858252	1.75E-03	1.89E-03	3.01E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.04E-06	4.73E-07	7.53E-07	0.00E+00	0.00E+00	1.95E-07	3.88E-08	2.46E-07	3.80E-08	5.83E-08	5.76E-07
2523	497614.4	3858252	1.74E-03	1.88E-03	3.00E-03	6.04E-07	1.82E-06	1.06E-06	1.14E-06	1.03E-06	4.71E-07	7.51E-07	0.00E+00	0.00E+00	1.94E-07	3.87E-08	2.45E-07	3.79E-08	5.81E-08	5.74E-07
2524	497364.4	3858302	1.77E-03	1.91E-03	3.05E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.62E-07	0.00E+00	0.00E+00	1.97E-07	3.93E-08	2.49E-07	3.84E-08	5.90E-08	5.83E-07
2525	497414.4	3858302	1.79E-03	1.93E-03	3.07E-03	6.18E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.83E-07	7.69E-07	0.00E+00	0.00E+00	1.99E-07	3.96E-08	2.51E-07	3.87E-08	5.95E-08	5.88E-07
2526	497464.4	3858302	1.77E-03	1.91E-03	3.04E-03	6.11E-07	1.85E-06	1.07E-06	1.15E-06	1.05E-06	4.77E-07	7.60E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.48E-07	3.83E-08	5.88E-08	5.81E-07
2527	497514.4	3858302	1.75E-03	1.89E-03	3.01E-03	6.07E-07	1.83E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.55E-07	0.00E+00	0.00E+00	1.95E-07	3.89E-08	2.47E-07	3.80E-08	5.84E-08	5.77E-07
2528	497564.4	3858302	1.73E-03	1.87E-03	2.98E-03	6.00E-07	1.81E-06	1.05E-06	1.13E-06	1.03E-06	4.69E-07	7.46E-07	0.00E+00	0.00E+00	1.93E-07	3.84E-08	2.44E-07	3.76E-08	5.78E-08	5.71E-07
2529	497614.4	3858302	1.73E-03	1.86E-03	2.97E-03	5.98E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.67E-07	7.43E-07	0.00E+00	0.00E+00	1.92E-07	3.83E-08	2.43E-07	3.75E-08	5.76E-08	5.69E-07
2530	497364.4	3858352	1.78E-03	1.92E-03	3.06E-03	6.17E-07	1.86E-06	1.08E-06	1.16E-06	1.06E-06	4.81E-07	7.67E-07	0.00E+00	0.00E+00	1.98E-07	3.95E-08	2.51E-07	3.87E-08	5.94E-08	5.86E-07
2531	497414.4	3858352	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.61E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.49E-07	3.84E-08	5.90E-08	5.82E-07
2532	497464.4	3858352	1.76E-03	1.90E-03	3.03E-03	6.11E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.77E-07	7.59E-07	0.00E+00	0.00E+00	1.96E-07	3.91E-08	2.48E-07	3.83E-08	5.88E-08	5.81E-07
2533	497514.4	3858352	1.75E-03	1.89E-03	3.02E-03	6.07E-07	1.83E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.55E-07	0.00E+00	0.00E+00	1.95E-07	3.89E-08	2.47E-07	3.81E-08	5.84E-08	5.77E-07
2534	497564.4	3858352	1.73E-03	1.87E-03	2.97E-03	5.98E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.44E-07	0.00E+00	0.00E+00	1.92E-07	3.83E-08	2.43E-07	3.75E-08	5.76E-08	5.69E-07
2535	497614.4	3858352	1.72E-03	1.86E-03	2.96E-03	5.96E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.66E-07	7.42E-07	0.00E+00	0.00E+00	1.92E-07	3.82E-08	2.42E-07	3.74E-08	5.74E-08	5.67E-07
2536	497364.4	3858402	1.76E-03	1.90E-03	3.03E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.58E-07	0.00E+00	0.00E+00	1.96E-07	3.91E-08	2.48E-07	3.82E-08	5.87E-08	5.80E-07
2537	497414.4	3858402	1.76E-03	1.90E-03	3.03E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.58E-07	0.00E+00	0.00E+00	1.96E-07	3.91E-08	2.48E-07	3.82E-08	5.87E-08	5.80E-07
2538	497464.4	3858402	1.75E-03	1.89E-03	3.01E-03	6.05E-07	1.83E-06	1.06E-06	1.14E-06	1.04E-06	4.72E-07	7.52E-07	0.00E+00	0.00E+00	1.95E-07	3.88E-08	2.46E-07	3.79E-08	5.82E-08	5.75E-07
2539	497514.4	3858402	1.74E-03	1.88E-03	2.99E-03	6.02E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.49E-07	0.00E+00	0.00E+00	1.94E-07	3.86E-08	2.45E-07	3.78E-08	5.80E-08	5.73E-07
2540	497564.4	3858402	1.76E-03	1.90E-03	3.02E-03	6.08E-07	1.84E-06	1.06E-06	1.15E-06	1.04E-06	4.75E-07	7.56E-07	0.00E+00	0.00E+00	1.96E-07	3.90E-08	2.47E-07	3.81E-08	5.86E-08	5.78E-07
2541	497614.4	3858402	1.77E-03	1.91E-03	3.05E-03	6.13E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.79E-07	7.62E-07	0.00E+00	0.00E+00	1.97E-07	3.93E-08	2.49E-07	3.84E-08	5.90E-08	5.83E-07
2542	493478.1	3860498	2.47E-03	2.67E-03	4.25E-03	8.56E-07	2.58E-06	1.50E-06	1.62E-06	1.46E-06	6.68E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.48E-07	5.36E-08	8.23E-08	8.14E-07
2543	493528.1	3860498	2.47E-03	2.66E-03	4.23E-03	8.53E-07	2.58E-06	1.49E-06	1.61E-06	1.46E-06	6.66E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.47E-08	3.47E-07	5.35E-08	8.21E-08	8.12E-07
2544	493478.1	3860548	2.42E-03	2.61E-03	4.16E-03	8.38E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.54E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.37E-08	3.41E-07	5.25E-08	8.05E-08	7.97E-07
2545	493528.1	3860548	2.41E-03	2.61E-03	4.14E-03	8.35E-07	2.52E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.04E-06	0.00E+00	0.00E+00	2.69E-07	5.35E-08	3.40E-07	5.24E-08	8.03E-08	7.94E-07
2546	493478.1	3860598	2.37E-03	2.56E-03	4.07E-03	8.20E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.40E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.25E-08	3.33E-07	5.14E-08	7.88E-08	7.80E-07
2547	493528.1	3860598	2.36E-03	2.55E-03	4.06E-03	8.18E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.38E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.24E-08	3.32E-07	5.13E-08	7.86E-08	7.78E-07
2548	493561.9	3860525	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.58E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.40E-08	3.42E-07	5.28E-08	8.10E-08	8.01E-07
2549	493591.9	3860525	2.43E-03	2.62E-03	4.18E-03	8.41E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.04E-06	0.00E+00	0.00E+00	2.71E-07	5.39E-08	3.42E-07	5.27E-08	8.09E-08	8.00E-07
2550	493561.9	3860555	2.40E-03	2.59E-03	4.13E-03	8.32E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.33E-08	3.38E-07	5.21E-08	8.00E-08	7.91E-07
2551	493591.9	3860555	2.40E-03	2.59E-03	4.12E-03	8.31E-07	2.51E-06	1.45E-06	1.57E-06	1.42E-06	6.49E-07	1.03E-06	0.00E+00	0.00E+00	2.67E-07	5.32E-08	3.38E-07	5.21E-08	7.99E-08	7.90E-07
2552	492880.5	3860293	2.77E-03	2.99E-03	4.75E-03	9.58E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.14E-08	3.89E-07	6.01E-08	9.20E-08	9.11E-07
2553	492930.5	3860293	2.77E-03	2.99E-03	4.74E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	6.00E-08	9.19E-08	9.10E-07
2554	492980.5	3860293	2.76E-03	2.98E-03	4.74E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	5.99E-08	9.19E-08	9.09E-07
2555	493030.5	3860293	2.77E-03	2.99E-03	4.75E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	6.00E-08	9.20E-08	9.10E-07
2556	493080.5	3860293	2.76E-03	2.99E-03	4.75E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.47E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	6.00E-08	9.20E-08	9.10E-07
2557	493130.5	3860293	2.75E-03	2.97E-03	4.73E-03	9.53E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.18E-06	0.00E+00	0.00E+00	3.07E-07	6.11E-08	3.87E-07	5.98E-08	9.16E-08	9.06E-07
2558	493180.5	3860293	2.74E-03	2.96E-03	4.71E-03	9.49E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.08E-08	3.86E-07	5.95E-08	9.12E-08	9.03E-07

2559	493230.5	3860293	2.73E-03	2.95E-03	4.69E-03	9.46E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.38E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.06E-08	3.85E-07	5.93E-08	9.09E-08	9.00E-07
2560	493280.5	3860293	2.73E-03	2.95E-03	4.69E-03	9.45E-07	2.85E-06	1.65E-06	1.78E-06	1.62E-06	7.37E-07	1.17E-06	0.00E+00	0.00E+00	3.04E-07	6.05E-08	3.84E-07	5.92E-08	9.08E-08	8.98E-07
2561	493330.5	3860293	2.72E-03	2.94E-03	4.68E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	9.06E-08	8.96E-07
2562	493380.5	3860293	2.71E-03	2.93E-03	4.66E-03	9.39E-07	2.84E-06	1.64E-06	1.77E-06	1.61E-06	7.33E-07	1.17E-06	0.00E+00	0.00E+00	3.02E-07	6.02E-08	3.82E-07	5.89E-08	9.03E-08	8.93E-07
2563	492880.5	3860343	2.70E-03	2.92E-03	4.63E-03	9.35E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.86E-08	8.98E-08	8.89E-07
2564	492930.5	3860343	2.70E-03	2.91E-03	4.63E-03	9.34E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.29E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.98E-08	3.80E-07	5.86E-08	8.97E-08	8.88E-07
2565	492980.5	3860343	2.71E-03	2.92E-03	4.65E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.81E-07	5.87E-08	9.01E-08	8.91E-07
2566	493030.5	3860343	2.70E-03	2.92E-03	4.64E-03	9.35E-07	2.82E-06	1.64E-06	1.77E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.86E-08	8.99E-08	8.89E-07
2567	493080.5	3860343	2.70E-03	2.92E-03	4.64E-03	9.36E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	6.00E-08	3.81E-07	5.87E-08	9.00E-08	8.90E-07
2568	493130.5	3860343	2.70E-03	2.91E-03	4.63E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.28E-07	1.16E-06	0.00E+00	0.00E+00	3.00E-07	5.98E-08	3.79E-07	5.85E-08	8.97E-08	8.87E-07
2569	493180.5	3860343	2.68E-03	2.90E-03	4.61E-03	9.29E-07	2.80E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	0.00E+00	0.00E+00	2.99E-07	5.95E-08	3.78E-07	5.82E-08	8.93E-08	8.83E-07
2570	493230.5	3860343	2.68E-03	2.89E-03	4.59E-03	9.26E-07	2.80E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.15E-06	0.00E+00	0.00E+00	2.98E-07	5.93E-08	3.76E-07	5.81E-08	8.90E-08	8.81E-07
2571	493280.5	3860343	2.67E-03	2.89E-03	4.59E-03	9.25E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.22E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.93E-08	3.76E-07	5.80E-08	8.89E-08	8.80E-07
2572	493330.5	3860343	2.67E-03	2.88E-03	4.58E-03	9.23E-07	2.79E-06	1.61E-06	1.74E-06	1.58E-06	7.21E-07	1.15E-06	0.00E+00	0.00E+00	2.97E-07	5.91E-08	3.75E-07	5.79E-08	8.88E-08	8.78E-07
2573	493380.5	3860343	2.66E-03	2.87E-03	4.57E-03	9.21E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.19E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.74E-07	5.77E-08	8.85E-08	8.76E-07
2574	492880.5	3860393	2.64E-03	2.85E-03	4.52E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.71E-07	5.72E-08	8.76E-08	8.68E-07
2575	492930.5	3860393	2.64E-03	2.85E-03	4.52E-03	9.13E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.72E-08	8.76E-08	8.68E-07
2576	492980.5	3860393	2.64E-03	2.85E-03	4.53E-03	9.14E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.73E-08	8.78E-08	8.69E-07
2577	493030.5	3860393	2.64E-03	2.85E-03	4.53E-03	9.14E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.13E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.73E-08	8.78E-08	8.69E-07
2578	493080.5	3860393	2.64E-03	2.86E-03	4.54E-03	9.15E-07	2.76E-06	1.60E-06	1.73E-06	1.57E-06	7.15E-07	1.14E-06	0.00E+00	0.00E+00	2.94E-07	5.86E-08	3.72E-07	5.74E-08	8.80E-08	8.71E-07
2579	493130.5	3860393	2.64E-03	2.85E-03	4.52E-03	9.12E-07	2.75E-06	1.59E-06	1.72E-06	1.56E-06	7.12E-07	1.13E-06	0.00E+00	0.00E+00	2.93E-07	5.84E-08	3.71E-07	5.72E-08	8.77E-08	8.67E-07
2580	493180.5	3860393	2.62E-03	2.83E-03	4.50E-03	9.08E-07	2.74E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.81E-08	3.69E-07	5.69E-08	8.72E-08	8.63E-07
2581	493230.5	3860393	2.62E-03	2.83E-03	4.49E-03	9.06E-07	2.74E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.80E-08	3.68E-07	5.68E-08	8.71E-08	8.61E-07
2582	493280.5	3860393	2.62E-03	2.82E-03	4.49E-03	9.06E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.80E-08	3.68E-07	5.68E-08	8.71E-08	8.61E-07
2583	493330.5	3860393	2.61E-03	2.82E-03	4.49E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.79E-08	3.68E-07	5.67E-08	8.70E-08	8.60E-07
2584	493380.5	3860393	2.61E-03	2.81E-03	4.48E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.12E-06	0.00E+00	0.00E+00	2.90E-07	5.78E-08	3.67E-07	5.65E-08	8.67E-08	8.58E-07
2585	492880.5	3860443	2.57E-03	2.78E-03	4.41E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.10E-06	0.00E+00	0.00E+00	2.87E-07	5.71E-08	3.62E-07	5.58E-08	8.55E-08	8.47E-07
2586	492930.5	3860443	2.57E-03	2.78E-03	4.41E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.70E-08	3.62E-07	5.58E-08	8.54E-08	8.46E-07
2587	492980.5	3860443	2.57E-03	2.78E-03	4.42E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.96E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.71E-08	3.62E-07	5.59E-08	8.56E-08	8.47E-07
2588	493030.5	3860443	2.58E-03	2.78E-03	4.42E-03	8.92E-07	2.69E-06	1.56E-06	1.68E-06	1.53E-06	6.96E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.71E-08	3.62E-07	5.59E-08	8.57E-08	8.48E-07
2589	493080.5	3860443	2.57E-03	2.78E-03	4.42E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.71E-08	3.62E-07	5.58E-08	8.56E-08	8.47E-07
2590	493130.5	3860443	2.57E-03	2.78E-03	4.41E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.10E-06	0.00E+00	0.00E+00	2.86E-07	5.70E-08	3.62E-07	5.58E-08	8.55E-08	8.46E-07
2591	493180.5	3860443	2.56E-03	2.76E-03	4.39E-03	8.86E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.55E-08	8.51E-08	8.43E-07
2592	493230.5	3860443	2.56E-03	2.77E-03	4.40E-03	8.87E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.68E-08	3.60E-07	5.56E-08	8.52E-08	8.43E-07
2593	493280.5	3860443	2.56E-03	2.76E-03	4.39E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.52E-08	8.42E-07
2594	493330.5	3860443	2.56E-03	2.76E-03	4.39E-03	8.86E-07	2.67E-06	1.55E-06	1.67E-06	1.52E-06	6.91E-07	1.10E-06	0.00E+00	0.00E+00	2.85E-07	5.67E-08	3.60E-07	5.55E-08	8.52E-08	8.42E-07
2595	493380.5	3860443	2.55E-03	2.75E-03	4.38E-03	8.83E-07	2.67E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.66E-08	3.59E-07	5.54E-08	8.49E-08	8.40E-07
2596	493180.5	3860493	2.50E-03	2.70E-03	4.30E-03	8.67E-07	2.62E-06	1.52E-06	1.64E-06	1.48E-06	6.77E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.33E-08	8.24E-07
2597	493230.5	3860493	2.50E-03	2.70E-03	4.30E-03	8.67E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.33E-08	8.24E-07
2598	493280.5	3860493	2.50E-03	2.70E-03	4.30E-03	8.66E-07	2.62E-06	1.51E-06	1.64E-06	1.48E-06	6.76E-07	1.08E-06	0.00E+00	0.00E+00	2.79E-07	5.55E-08	3.52E-07	5.43E-08	8.33E-08	8.24E-07
2599	493330.5	3860493	2.50E-03	2.70E-03	4.29E-03	8.66E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.76E-07	1.07E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.52E-07	5.43E-08	8.32E-08	8.23E-07
2600	493380.5	3860493	2.49E-03	2.69E-03	4.28E-03	8.63E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.74E-07	1.07E-06	0.00E+00	0.00E+00	2.78E-07	5.53E-08	3.51E-07	5.41E-08	8.30E-08	8.21E-07
2601	493330.5	3860543	2.45E-03	2.64E-03	4.20E-03	8.47E-07	2.56E-06	1.48E-06	1.60E-06	1.45E-06	6.61E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.42E-08	3.44E-07	5.31E-08	8.14E-08	8.05E-07
2602	493380.5	3860543	2.44E-03	2.63E-03	4.19E-03	8.44E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.59E-07	1.05E-06	0.00E+00	0.00E+00	2.72E-07	5.41E-08	3.43E-07	5.29E-08	8.12E-08	8.03E-07
2603	494135.9	3860877	2.06E-03	2.22E-03	3.54E-03	7.13E-07	2.15E-06	1.25E-06	1.34E-06	1.22E-06	5.56E-07	8.85E-07	0.00E+00	0.00E+00	2.29E-07	4.57E-08	2.90E-07	4.47E-08	6.85E-08	6.78E-07
2604	494185.9	3860877	2.05E-03	2.22E-03	3.53E-03	7.11E-07	2.15E-06	1.24E-06	1.34E-06	1.22E-06	5.55E-07	8.84E-07	0.00E+00	0.00E+00	2.29E-07	4.56E-08	2.89E-07	4.46E-08	6.84E-08	6.76E-07
2605	494135.9	3860927	2.02E-03	2.18E-03	3.46E-03	6.98E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.67E-07	0.00E+00	0.00E+00	2.24E-07	4.47E-08	2.84E-07	4.37E-08	6.71E-08	6.64E-07
2606	494185.9	3860927	2.01E-03	2.17E-03	3.46E-03	6.97E-07	2.10E-06	1.22E-06	1.32E-06	1.19E-06	5.44E-07	8.66E-07	0.00E+00	0.00E+00	2.24E-07	4.46E-08	2.83E-07	4.37E-08	6.70E-08	6.63E-07
2607	494135.9	3860977	1.98E-03	2.13E-03	3.39E-03	6.84E-07	2.06E-06	1.20E-06	1.29E-06	1.17E-06	5.34E-07	8.49E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.29E-08	6.58E-08	6.50E-07
2608	494185.9	3860977	1.97E-03	2.13E-03	3.39E-03	6.83E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.33E-07	8.48E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.28E-08	6.57E-08	6.50E-07
2609	494135.9	3861027	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.31E-07	0.00E+00	0.00E+00	2.15E-07	4.29E-08	2.72E-07	4.20E-08	6.44E-08	6.37E-07
2610	494185.9	3861027	1.93E-03	2.09E-03	3.32E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.31E-07	0.00E+00	0.00E+00	2.15E-07	4.29E-08	2.72E-07	4.19E-08	6.43E-08	6.36E-07
2611	494135.9	3861077	1.89E-03	2.04E-03	3.25E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.14E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.66E-07	4.11E-08	6.30E-08	6.23E-07
2612	494185.9	3861077	1.89E-03	2.04E-03	3.25E-03	6.55E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.14E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.66E-07	4.11E-08	6.30E-08	6.23E-07
2613	490360	3858710	9.35E-03	1.01E-02	1.59E-02	3.24E-06	9.77E-06	5.66E-06	6.10E-06	5.53E-06	2.52E-06	3.97E-06	0.00E+00	0.00E+00	1.04E-06	2.07E-07	1.31E-06	2.03E-07	3.07E-07	3.07E-06
2614	490410	3858710	9.22E-03	9.94E-03	1.57E-02	3.19E-06	9.64E-06	5.58E-06	6.02E-06	5.45E-06	2.49E-06	3.92E-06	0.00E+00	0.00E+00	1.03E-06	2.04E-07	1.30E-06	2.00E-07	3.03E-07	3.03E-06
2615	490460	3858710	9.08E-03	9.80E-03	1.54E-02	3.14E-06	9.50E-06	5.50E-06	5.93E-06	5.37E-06	2.45E-06	3.87E-06	0.00E+00	0.00E+00	1.01E-06	2.01E-07	1.28E-06	1.97E-07	2.99E-07	2.99E-06

2616	490510	3858710	8.96E-03	9.66E-03	1.52E-02	3.10E-06	9.36E-06	5.42E-06	5.84E-06	5.30E-06	2.42E-06	3.81E-06	0.00E+00	0.00E+00	9.97E-07	1.98E-07	1.26E-06	1.94E-07	2.95E-07	2.94E-06
2617	490560	3858710	8.83E-03	9.53E-03	1.50E-02	3.06E-06	9.23E-06	5.34E-06	5.76E-06	5.23E-06	2.38E-06	3.77E-06	0.00E+00	0.00E+00	9.83E-07	1.96E-07	1.24E-06	1.91E-07	2.92E-07	2.90E-06
2618	490610	3858710	8.71E-03	9.39E-03	1.48E-02	3.01E-06	9.10E-06	5.27E-06	5.68E-06	5.15E-06	2.35E-06	3.72E-06	0.00E+00	0.00E+00	9.69E-07	1.93E-07	1.22E-06	1.89E-07	2.88E-07	2.86E-06
2619	490660	3858710	8.60E-03	9.28E-03	1.47E-02	2.98E-06	8.99E-06	5.20E-06	5.61E-06	5.09E-06	2.32E-06	3.67E-06	0.00E+00	0.00E+00	9.57E-07	1.91E-07	1.21E-06	1.86E-07	2.84E-07	2.83E-06
2620	490710	3858710	8.45E-03	9.11E-03	1.44E-02	2.92E-06	8.83E-06	5.11E-06	5.51E-06	5.00E-06	2.28E-06	3.61E-06	0.00E+00	0.00E+00	9.40E-07	1.87E-07	1.19E-06	1.83E-07	2.79E-07	2.78E-06
2621	490760	3858710	8.32E-03	8.98E-03	1.42E-02	2.88E-06	8.70E-06	5.04E-06	5.43E-06	4.93E-06	2.25E-06	3.56E-06	0.00E+00	0.00E+00	9.27E-07	1.84E-07	1.17E-06	1.80E-07	2.75E-07	2.74E-06
2622	490810	3858710	8.20E-03	8.85E-03	1.40E-02	2.84E-06	8.57E-06	4.96E-06	5.35E-06	4.85E-06	2.21E-06	3.51E-06	0.00E+00	0.00E+00	9.13E-07	1.82E-07	1.15E-06	1.78E-07	2.72E-07	2.70E-06
2623	490860	3858710	8.07E-03	8.71E-03	1.38E-02	2.79E-06	8.44E-06	4.88E-06	5.27E-06	4.78E-06	2.18E-06	3.45E-06	0.00E+00	0.00E+00	8.98E-07	1.79E-07	1.14E-06	1.75E-07	2.67E-07	2.65E-06
2624	490360	3858760	9.02E-03	9.72E-03	1.53E-02	3.12E-06	9.43E-06	5.46E-06	5.88E-06	5.33E-06	2.43E-06	3.82E-06	0.00E+00	0.00E+00	1.00E-06	2.00E-07	1.27E-06	1.95E-07	2.96E-07	2.96E-06
2625	490410	3858760	8.90E-03	9.59E-03	1.51E-02	3.08E-06	9.30E-06	5.38E-06	5.80E-06	5.26E-06	2.40E-06	3.78E-06	0.00E+00	0.00E+00	9.91E-07	1.97E-07	1.25E-06	1.93E-07	2.93E-07	2.92E-06
2626	490460	3858760	8.77E-03	9.46E-03	1.49E-02	3.04E-06	9.17E-06	5.31E-06	5.72E-06	5.19E-06	2.37E-06	3.73E-06	0.00E+00	0.00E+00	9.77E-07	1.94E-07	1.23E-06	1.90E-07	2.89E-07	2.88E-06
2627	490510	3858760	8.65E-03	9.33E-03	1.47E-02	2.99E-06	9.04E-06	5.23E-06	5.64E-06	5.12E-06	2.33E-06	3.68E-06	0.00E+00	0.00E+00	9.63E-07	1.92E-07	1.22E-06	1.87E-07	2.85E-07	2.84E-06
2628	490560	3858760	8.53E-03	9.20E-03	1.45E-02	2.95E-06	8.92E-06	5.16E-06	5.57E-06	5.05E-06	2.30E-06	3.64E-06	0.00E+00	0.00E+00	9.50E-07	1.89E-07	1.20E-06	1.85E-07	2.82E-07	2.80E-06
2629	490610	3858760	8.41E-03	9.07E-03	1.43E-02	2.91E-06	8.79E-06	5.09E-06	5.49E-06	4.98E-06	2.27E-06	3.59E-06	0.00E+00	0.00E+00	9.36E-07	1.86E-07	1.18E-06	1.82E-07	2.78E-07	2.77E-06
2630	490660	3858760	8.27E-03	8.92E-03	1.41E-02	2.86E-06	8.64E-06	5.00E-06	5.40E-06	4.89E-06	2.23E-06	3.53E-06	0.00E+00	0.00E+00	9.20E-07	1.83E-07	1.16E-06	1.79E-07	2.73E-07	2.72E-06
2631	490710	3858760	8.15E-03	8.79E-03	1.39E-02	2.82E-06	8.52E-06	4.93E-06	5.32E-06	4.82E-06	2.20E-06	3.48E-06	0.00E+00	0.00E+00	9.07E-07	1.81E-07	1.15E-06	1.77E-07	2.69E-07	2.68E-06
2632	490760	3858760	8.03E-03	8.66E-03	1.37E-02	2.78E-06	8.39E-06	4.86E-06	5.24E-06	4.75E-06	2.17E-06	3.43E-06	0.00E+00	0.00E+00	8.94E-07	1.78E-07	1.13E-06	1.74E-07	2.66E-07	2.64E-06
2633	490810	3858760	7.91E-03	8.53E-03	1.35E-02	2.74E-06	8.27E-06	4.78E-06	5.16E-06	4.68E-06	2.14E-06	3.38E-06	0.00E+00	0.00E+00	8.80E-07	1.75E-07	1.11E-06	1.71E-07	2.62E-07	2.60E-06
2634	490860	3858760	7.80E-03	8.41E-03	1.33E-02	2.70E-06	8.15E-06	4.72E-06	5.09E-06	4.61E-06	2.11E-06	3.34E-06	0.00E+00	0.00E+00	8.68E-07	1.73E-07	1.10E-06	1.69E-07	2.58E-07	2.56E-06
2635	490360	3858810	8.68E-03	9.36E-03	1.47E-02	3.01E-06	9.07E-06	5.25E-06	5.66E-06	5.13E-06	2.34E-06	3.68E-06	0.00E+00	0.00E+00	9.66E-07	1.92E-07	1.22E-06	1.88E-07	2.85E-07	2.85E-06
2636	490410	3858810	8.57E-03	9.24E-03	1.45E-02	2.97E-06	8.96E-06	5.19E-06	5.59E-06	5.07E-06	2.31E-06	3.64E-06	0.00E+00	0.00E+00	9.54E-07	1.90E-07	1.20E-06	1.86E-07	2.82E-07	2.82E-06
2637	490460	3858810	8.45E-03	9.12E-03	1.44E-02	2.93E-06	8.84E-06	5.12E-06	5.52E-06	5.00E-06	2.28E-06	3.59E-06	0.00E+00	0.00E+00	9.41E-07	1.87E-07	1.19E-06	1.83E-07	2.78E-07	2.78E-06
2638	490510	3858810	8.35E-03	9.00E-03	1.42E-02	2.89E-06	8.72E-06	5.05E-06	5.45E-06	4.94E-06	2.25E-06	3.55E-06	0.00E+00	0.00E+00	9.29E-07	1.85E-07	1.17E-06	1.81E-07	2.75E-07	2.74E-06
2639	490560	3858810	8.24E-03	8.88E-03	1.40E-02	2.85E-06	8.61E-06	4.98E-06	5.37E-06	4.87E-06	2.22E-06	3.51E-06	0.00E+00	0.00E+00	9.17E-07	1.82E-07	1.16E-06	1.79E-07	2.72E-07	2.71E-06
2640	490610	3858810	8.12E-03	8.76E-03	1.38E-02	2.81E-06	8.49E-06	4.91E-06	5.30E-06	4.80E-06	2.19E-06	3.46E-06	0.00E+00	0.00E+00	9.04E-07	1.80E-07	1.14E-06	1.76E-07	2.68E-07	2.67E-06
2641	490660	3858810	7.98E-03	8.60E-03	1.36E-02	2.76E-06	8.34E-06	4.83E-06	5.21E-06	4.72E-06	2.15E-06	3.40E-06	0.00E+00	0.00E+00	8.88E-07	1.77E-07	1.12E-06	1.73E-07	2.63E-07	2.62E-06
2642	490710	3858810	7.86E-03	8.48E-03	1.34E-02	2.72E-06	8.21E-06	4.76E-06	5.13E-06	4.65E-06	2.12E-06	3.36E-06	0.00E+00	0.00E+00	8.75E-07	1.74E-07	1.10E-06	1.70E-07	2.60E-07	2.58E-06
2643	490760	3858810	7.73E-03	8.34E-03	1.32E-02	2.68E-06	8.08E-06	4.68E-06	5.05E-06	4.57E-06	2.09E-06	3.30E-06	0.00E+00	0.00E+00	8.60E-07	1.71E-07	1.09E-06	1.68E-07	2.56E-07	2.54E-06
2644	490810	3858810	7.64E-03	8.24E-03	1.30E-02	2.64E-06	7.98E-06	4.62E-06	4.98E-06	4.52E-06	2.06E-06	3.27E-06	0.00E+00	0.00E+00	8.50E-07	1.69E-07	1.07E-06	1.66E-07	2.53E-07	2.51E-06
2645	490860	3858810	7.52E-03	8.11E-03	1.29E-02	2.60E-06	7.86E-06	4.55E-06	4.91E-06	4.45E-06	2.03E-06	3.22E-06	0.00E+00	0.00E+00	8.37E-07	1.67E-07	1.06E-06	1.63E-07	2.49E-07	2.47E-06
2646	490360	3858860	8.34E-03	8.99E-03	1.41E-02	2.89E-06	8.72E-06	5.05E-06	5.44E-06	4.93E-06	2.25E-06	3.54E-06	0.00E+00	0.00E+00	9.29E-07	1.85E-07	1.17E-06	1.81E-07	2.74E-07	2.74E-06
2647	490410	3858860	8.25E-03	8.89E-03	1.40E-02	2.85E-06	8.62E-06	4.99E-06	5.38E-06	4.88E-06	2.22E-06	3.50E-06	0.00E+00	0.00E+00	9.18E-07	1.83E-07	1.16E-06	1.79E-07	2.71E-07	2.71E-06
2648	490460	3858860	8.14E-03	8.77E-03	1.38E-02	2.82E-06	8.50E-06	4.92E-06	5.31E-06	4.81E-06	2.20E-06	3.46E-06	0.00E+00	0.00E+00	9.06E-07	1.80E-07	1.14E-06	1.76E-07	2.68E-07	2.67E-06
2649	490510	3858860	8.04E-03	8.67E-03	1.37E-02	2.78E-06	8.41E-06	4.87E-06	5.25E-06	4.76E-06	2.17E-06	3.42E-06	0.00E+00	0.00E+00	8.95E-07	1.78E-07	1.13E-06	1.74E-07	2.65E-07	2.64E-06
2650	490560	3858860	7.94E-03	8.56E-03	1.35E-02	2.75E-06	8.30E-06	4.80E-06	5.18E-06	4.70E-06	2.14E-06	3.38E-06	0.00E+00	0.00E+00	8.84E-07	1.76E-07	1.12E-06	1.72E-07	2.62E-07	2.61E-06
2651	490610	3858860	7.79E-03	8.40E-03	1.33E-02	2.70E-06	8.14E-06	4.71E-06	5.08E-06	4.61E-06	2.10E-06	3.32E-06	0.00E+00	0.00E+00	8.67E-07	1.73E-07	1.09E-06	1.69E-07	2.57E-07	2.56E-06
2652	490660	3858860	7.68E-03	8.29E-03	1.31E-02	2.66E-06	8.03E-06	4.65E-06	5.01E-06	4.55E-06	2.07E-06	3.28E-06	0.00E+00	0.00E+00	8.55E-07	1.70E-07	1.08E-06	1.67E-07	2.54E-07	2.53E-06
2653	490710	3858860	7.59E-03	8.19E-03	1.29E-02	2.63E-06	7.93E-06	4.59E-06	4.95E-06	4.49E-06	2.05E-06	3.24E-06	0.00E+00	0.00E+00	8.45E-07	1.68E-07	1.07E-06	1.65E-07	2.51E-07	2.49E-06
2654	490760	3858860	7.47E-03	8.06E-03	1.27E-02	2.58E-06	7.80E-06	4.52E-06	4.87E-06	4.42E-06	2.02E-06	3.19E-06	0.00E+00	0.00E+00	8.31E-07	1.65E-07	1.05E-06	1.62E-07	2.47E-07	2.46E-06
2655	490810	3858860	7.35E-03	7.93E-03	1.26E-02	2.54E-06	7.68E-06	4.45E-06	4.80E-06	4.35E-06	1.99E-06	3.14E-06	0.00E+00	0.00E+00	8.18E-07	1.63E-07	1.03E-06	1.59E-07	2.43E-07	2.42E-06
2656	490860	3858860	7.23E-03	7.80E-03	1.24E-02	2.50E-06	7.56E-06	4.37E-06	4.72E-06	4.28E-06	1.95E-06	3.10E-06	0.00E+00	0.00E+00	8.05E-07	1.60E-07	1.02E-06	1.57E-07	2.40E-07	2.38E-06
2657	490360	3858910	8.02E-03	8.64E-03	1.36E-02	2.78E-06	8.38E-06	4.85E-06	5.23E-06	4.74E-06	2.16E-06	3.40E-06	0.00E+00	0.00E+00	8.93E-07	1.77E-07	1.13E-06	1.74E-07	2.63E-07	2.63E-06
2658	490410	3858910	7.93E-03	8.55E-03	1.34E-02	2.74E-06	8.29E-06	4.80E-06	5.17E-06	4.69E-06	2.14E-06	3.36E-06	0.00E+00	0.00E+00	8.83E-07	1.76E-07	1.11E-06	1.72E-07	2.60E-07	2.60E-06
2659	490460	3858910	7.83E-03	8.45E-03	1.33E-02	2.71E-06	8.19E-06	4.74E-06	5.11E-06	4.63E-06	2.11E-06	3.33E-06	0.00E+00	0.00E+00	8.72E-07	1.73E-07	1.10E-06	1.70E-07	2.58E-07	2.57E-06
2660	490510	3858910	7.74E-03	8.34E-03	1.31E-02	2.68E-06	8.09E-06	4.68E-06	5.05E-06	4.58E-06	2.09E-06	3.29E-06	0.00E+00	0.00E+00	8.61E-07	1.71E-07	1.09E-06	1.68E-07	2.55E-07	2.54E-06
2661	490560	3858910	7.64E-03	8.24E-03	1.30E-02	2.64E-06	7.98E-06	4.62E-06	4.98E-06	4.52E-06	2.06E-06	3.25E-06	0.00E+00	0.00E+00	8.50E-07	1.69E-07	1.07E-06	1.66E-07	2.52E-07	2.51E-06
2662	490610	3858910	7.50E-03	8.09E-03	1.28E-02	2.60E-06	7.84E-06	4.54E-06	4.89E-06	4.43E-06	2.02E-06	3.19E-06	0.00E+00	0.00E+00	8.34E-07	1.66E-07	1.05E-06	1.62E-07	2.47E-07	2.46E-06
2663	490660	3858910	7.40E-03	7.98E-03	1.26E-02	2.56E-06	7.73E-06	4.48E-06	4.83E-06	4.38E-06	2.00E-06	3.15E-06	0.00E+00	0.00E+00	8.23E-07	1.64E-07	1.04E-06	1.60E-07	2.44E-07	2.43E-06
2664	490710	3858910	7.29E-03	7.86E-03	1.24E-02	2.52E-06	7.62E-06	4.41E-06	4.76E-06	4.31E-06	1.97E-06	3.11E-06	0.00E+00	0.00E+00	8.11E-07	1.62E-07	1.02E-06	1.58E-07	2.41E-07	2.40E-06
2665	490760	3858910	7.17E-03	7.74E-03	1.22E-02	2.48E-06	7.49E-06	4.34E-06	4.68E-06	4.24E-06	1.94E-06	3.06E-06	0.00E+00	0.00E+00	7.98E-07	1.59E-07	1.01E-06	1.55E-07	2.37E-07	2.36E-06
2666	490810	3858910	7.07E-03	7.63E-03	1.21E-02	2.45E-06	7.39E-06	4.28E-06	4.62E-06	4.18E-06	1.91E-06	3.02E-06	0.00E+00	0.00E+00	7.87E-07	1.57E-07	9.94E-07	1.53E-07	2.34E-07	2.33E-06
2667	490860	3858910	6.95E-03	7.50E-03	1.19E-02	2.40E-06	7.26E-06	4.20E-06	4.54E-06	4.11E-06	1.88E-06	2.97E-06	0.00E+00	0.00E+00	7.73E-07	1.54E-07	9.77E-07	1.51E-07	2.30E-07	2.28E-06
2668	490360	3858960	7.70E-03	8.29E-03	1.30E-02	2.66E-06	8.04E-06	4.66E-06	5.02E-06	4.55E-06	2.08E-06	3.26E-06	0.00E+00	0.00E+00	8.57E-07	1.70E-07	1.08E-06	1.67E-07	2.52E-07	2.53E-06
2669	490410	3858960	7.61E-03	8.20E-03	1.29E-02	2.63E-06	7.95E-06	4.60E-06	4.96E-06	4.50E-06	2.05E-06	3.23E-06	0.00E+00	0.00E+00	8.47E-07	1.68E-07	1.07E-06	1.65E-07	2.50E-07	2.50E-06
2670	490460	3858960	7.52E-03	8.11E-03	1.28E-02	2.60E-06	7.86E-06	4.55E-06	4.91E-06	4.45E-06	2.03E-06	3.19E-06	0.00E+00	0.00E+00	8.37E-07	1.67E-07	1.06E-06	1.63E-07	2.47E-07	2.47E-06
2671	490510	3858960	7.43E-03	8.01E-03	1.26E-02	2.57E-06	7.77E-06	4.50E-06	4.85E-06	4.40E-06	2.01E-06	3.16E-06	0.00E+00	0.00E+00	8.27E-07	1.65E-07	1.04E-06	1.61E-07	2.45E-07	2.44E-06
2672	490560	3858960	7.31E-03	7.88E-03	1.24E-02	2.53E-06	7.64E-06	4.42E-06	4.77E-06	4.32E-06	1.97E-06	3.11E-06	0.00E+00	0.00E+00	8.13E-07	1.62E-07	1.03E-06	1.58E-07	2.41E-07	2.40E-06

2673	490610	3858960	7.20E-03	7.76E-03	1.23E-02	2.49E-06	7.52E-06	4.35E-06	4.70E-06	4.26E-06	1.94E-06	3.07E-06	0.00E+00	0.00E+00	8.01E-07	1.59E-07	1.01E-06	1.56E-07	2.37E-07	2.37E-06
2674	490660	3858960	7.12E-03	7.68E-03	1.21E-02	2.46E-06	7.44E-06	4.31E-06	4.65E-06	4.21E-06	1.92E-06	3.04E-06	0.00E+00	0.00E+00	7.92E-07	1.58E-07	1.00E-06	1.54E-07	2.35E-07	2.34E-06
2675	490710	3858960	7.01E-03	7.56E-03	1.20E-02	2.43E-06	7.32E-06	4.24E-06	4.57E-06	4.15E-06	1.89E-06	2.99E-06	0.00E+00	0.00E+00	7.80E-07	1.55E-07	9.85E-07	1.52E-07	2.32E-07	2.30E-06
2676	490760	3858960	6.90E-03	7.44E-03	1.18E-02	2.39E-06	7.21E-06	4.17E-06	4.50E-06	4.08E-06	1.86E-06	2.95E-06	0.00E+00	0.00E+00	7.68E-07	1.53E-07	9.70E-07	1.50E-07	2.28E-07	2.27E-06
2677	490810	3858960	6.79E-03	7.33E-03	1.16E-02	2.35E-06	7.10E-06	4.11E-06	4.43E-06	4.02E-06	1.83E-06	2.90E-06	0.00E+00	0.00E+00	7.56E-07	1.50E-07	9.55E-07	1.47E-07	2.25E-07	2.23E-06
2678	490860	3858960	6.66E-03	7.19E-03	1.14E-02	2.31E-06	6.96E-06	4.03E-06	4.35E-06	3.94E-06	1.80E-06	2.85E-06	0.00E+00	0.00E+00	7.42E-07	1.48E-07	9.37E-07	1.45E-07	2.21E-07	2.19E-06
2679	490360	3859010	7.38E-03	7.96E-03	1.25E-02	2.56E-06	7.71E-06	4.47E-06	4.81E-06	4.36E-06	1.99E-06	3.13E-06	0.00E+00	0.00E+00	8.22E-07	1.63E-07	1.04E-06	1.60E-07	2.42E-07	2.42E-06
2680	490410	3859010	7.30E-03	7.87E-03	1.24E-02	2.53E-06	7.63E-06	4.42E-06	4.76E-06	4.32E-06	1.97E-06	3.10E-06	0.00E+00	0.00E+00	8.13E-07	1.62E-07	1.03E-06	1.58E-07	2.40E-07	2.40E-06
2681	490460	3859010	7.21E-03	7.78E-03	1.22E-02	2.50E-06	7.54E-06	4.36E-06	4.70E-06	4.26E-06	1.95E-06	3.07E-06	0.00E+00	0.00E+00	8.03E-07	1.60E-07	1.01E-06	1.56E-07	2.37E-07	2.37E-06
2682	490510	3859010	7.08E-03	7.64E-03	1.20E-02	2.45E-06	7.40E-06	4.28E-06	4.62E-06	4.19E-06	1.91E-06	3.01E-06	0.00E+00	0.00E+00	7.88E-07	1.57E-07	9.95E-07	1.53E-07	2.33E-07	2.33E-06
2683	490560	3859010	7.00E-03	7.55E-03	1.19E-02	2.42E-06	7.32E-06	4.24E-06	4.57E-06	4.14E-06	1.89E-06	2.98E-06	0.00E+00	0.00E+00	7.80E-07	1.55E-07	9.84E-07	1.52E-07	2.31E-07	2.30E-06
2684	490610	3859010	6.90E-03	7.44E-03	1.18E-02	2.39E-06	7.21E-06	4.18E-06	4.50E-06	4.08E-06	1.86E-06	2.94E-06	0.00E+00	0.00E+00	7.68E-07	1.53E-07	9.70E-07	1.50E-07	2.28E-07	2.27E-06
2685	490660	3859010	6.83E-03	7.37E-03	1.16E-02	2.37E-06	7.14E-06	4.13E-06	4.46E-06	4.04E-06	1.84E-06	2.91E-06	0.00E+00	0.00E+00	7.61E-07	1.51E-07	9.60E-07	1.48E-07	2.26E-07	2.25E-06
2686	490710	3859010	6.72E-03	7.25E-03	1.15E-02	2.33E-06	7.03E-06	4.07E-06	4.39E-06	3.98E-06	1.81E-06	2.87E-06	0.00E+00	0.00E+00	7.48E-07	1.49E-07	9.45E-07	1.46E-07	2.22E-07	2.21E-06
2687	490760	3859010	6.62E-03	7.14E-03	1.13E-02	2.29E-06	6.91E-06	4.00E-06	4.32E-06	3.92E-06	1.79E-06	2.83E-06	0.00E+00	0.00E+00	7.36E-07	1.47E-07	9.30E-07	1.43E-07	2.19E-07	2.18E-06
2688	490810	3859010	6.50E-03	7.02E-03	1.11E-02	2.25E-06	6.80E-06	3.94E-06	4.25E-06	3.85E-06	1.76E-06	2.78E-06	0.00E+00	0.00E+00	7.24E-07	1.44E-07	9.15E-07	1.41E-07	2.16E-07	2.14E-06
2689	490860	3859010	6.40E-03	6.90E-03	1.10E-02	2.21E-06	6.69E-06	3.87E-06	4.18E-06	3.79E-06	1.73E-06	2.74E-06	0.00E+00	0.00E+00	7.12E-07	1.42E-07	9.00E-07	1.39E-07	2.12E-07	2.10E-06
2690	490360	3859060	7.07E-03	7.62E-03	1.20E-02	2.45E-06	7.39E-06	4.28E-06	4.61E-06	4.18E-06	1.91E-06	3.00E-06	0.00E+00	0.00E+00	7.87E-07	1.57E-07	9.94E-07	1.53E-07	2.32E-07	2.32E-06
2691	490410	3859060	6.99E-03	7.54E-03	1.19E-02	2.42E-06	7.31E-06	4.23E-06	4.56E-06	4.13E-06	1.89E-06	2.97E-06	0.00E+00	0.00E+00	7.78E-07	1.55E-07	9.82E-07	1.51E-07	2.30E-07	2.30E-06
2692	490460	3859060	6.91E-03	7.45E-03	1.17E-02	2.39E-06	7.22E-06	4.18E-06	4.51E-06	4.09E-06	1.87E-06	2.94E-06	0.00E+00	0.00E+00	7.69E-07	1.53E-07	9.71E-07	1.50E-07	2.28E-07	2.27E-06
2693	490510	3859060	6.79E-03	7.32E-03	1.15E-02	2.35E-06	7.10E-06	4.11E-06	4.43E-06	4.02E-06	1.83E-06	2.89E-06	0.00E+00	0.00E+00	7.56E-07	1.50E-07	9.55E-07	1.47E-07	2.24E-07	2.23E-06
2694	490560	3859060	6.69E-03	7.22E-03	1.14E-02	2.32E-06	7.00E-06	4.05E-06	4.37E-06	3.96E-06	1.81E-06	2.85E-06	0.00E+00	0.00E+00	7.45E-07	1.48E-07	9.41E-07	1.45E-07	2.21E-07	2.20E-06
2695	490610	3859060	6.62E-03	7.14E-03	1.13E-02	2.29E-06	6.92E-06	4.00E-06	4.32E-06	3.92E-06	1.79E-06	2.82E-06	0.00E+00	0.00E+00	7.37E-07	1.47E-07	9.30E-07	1.43E-07	2.18E-07	2.18E-06
2696	490660	3859060	6.54E-03	7.06E-03	1.12E-02	2.26E-06	6.84E-06	3.96E-06	4.27E-06	3.87E-06	1.77E-06	2.79E-06	0.00E+00	0.00E+00	7.28E-07	1.45E-07	9.20E-07	1.42E-07	2.16E-07	2.15E-06
2697	490710	3859060	6.43E-03	6.94E-03	1.10E-02	2.23E-06	6.73E-06	3.89E-06	4.20E-06	3.81E-06	1.74E-06	2.75E-06	0.00E+00	0.00E+00	7.16E-07	1.43E-07	9.05E-07	1.40E-07	2.13E-07	2.12E-06
2698	490760	3859060	6.33E-03	6.83E-03	1.08E-02	2.19E-06	6.62E-06	3.83E-06	4.13E-06	3.75E-06	1.71E-06	2.71E-06	0.00E+00	0.00E+00	7.05E-07	1.40E-07	8.90E-07	1.37E-07	2.10E-07	2.08E-06
2699	490810	3859060	6.22E-03	6.71E-03	1.06E-02	2.15E-06	6.50E-06	3.76E-06	4.06E-06	3.68E-06	1.68E-06	2.66E-06	0.00E+00	0.00E+00	6.92E-07	1.38E-07	8.75E-07	1.35E-07	2.06E-07	2.05E-06
2700	490860	3859060	6.11E-03	6.60E-03	1.05E-02	2.12E-06	6.39E-06	3.70E-06	3.99E-06	3.62E-06	1.65E-06	2.62E-06	0.00E+00	0.00E+00	6.81E-07	1.36E-07	8.60E-07	1.33E-07	2.03E-07	2.01E-06
2701	490360	3859110	6.78E-03	7.31E-03	1.15E-02	2.35E-06	7.09E-06	4.10E-06	4.42E-06	4.01E-06	1.83E-06	2.88E-06	0.00E+00	0.00E+00	7.55E-07	1.50E-07	9.53E-07	1.47E-07	2.23E-07	2.23E-06
2702	490410	3859110	6.71E-03	7.23E-03	1.14E-02	2.32E-06	7.01E-06	4.06E-06	4.38E-06	3.97E-06	1.81E-06	2.85E-06	0.00E+00	0.00E+00	7.47E-07	1.49E-07	9.43E-07	1.45E-07	2.21E-07	2.20E-06
2703	490460	3859110	6.64E-03	7.16E-03	1.13E-02	2.30E-06	6.94E-06	4.02E-06	4.33E-06	3.93E-06	1.79E-06	2.83E-06	0.00E+00	0.00E+00	7.39E-07	1.47E-07	9.34E-07	1.44E-07	2.19E-07	2.18E-06
2704	490510	3859110	6.50E-03	7.01E-03	1.11E-02	2.25E-06	6.79E-06	3.93E-06	4.24E-06	3.84E-06	1.75E-06	2.77E-06	0.00E+00	0.00E+00	7.23E-07	1.44E-07	9.13E-07	1.41E-07	2.14E-07	2.14E-06
2705	490560	3859110	6.42E-03	6.92E-03	1.09E-02	2.22E-06	6.71E-06	3.88E-06	4.19E-06	3.80E-06	1.73E-06	2.73E-06	0.00E+00	0.00E+00	7.14E-07	1.42E-07	9.02E-07	1.39E-07	2.12E-07	2.11E-06
2706	490610	3859110	6.32E-03	6.82E-03	1.08E-02	2.19E-06	6.61E-06	3.83E-06	4.13E-06	3.74E-06	1.71E-06	2.70E-06	0.00E+00	0.00E+00	7.04E-07	1.40E-07	8.89E-07	1.37E-07	2.09E-07	2.08E-06
2707	490660	3859110	6.22E-03	6.71E-03	1.06E-02	2.15E-06	6.50E-06	3.76E-06	4.06E-06	3.68E-06	1.68E-06	2.66E-06	0.00E+00	0.00E+00	6.92E-07	1.38E-07	8.74E-07	1.35E-07	2.06E-07	2.04E-06
2708	490710	3859110	6.14E-03	6.62E-03	1.05E-02	2.13E-06	6.42E-06	3.71E-06	4.01E-06	3.63E-06	1.66E-06	2.63E-06	0.00E+00	0.00E+00	6.83E-07	1.36E-07	8.63E-07	1.33E-07	2.03E-07	2.02E-06
2709	490760	3859110	6.04E-03	6.52E-03	1.03E-02	2.09E-06	6.32E-06	3.66E-06	3.95E-06	3.58E-06	1.63E-06	2.59E-06	0.00E+00	0.00E+00	6.73E-07	1.34E-07	8.50E-07	1.31E-07	2.00E-07	1.99E-06
2710	490810	3859110	5.93E-03	6.40E-03	1.02E-02	2.05E-06	6.20E-06	3.59E-06	3.87E-06	3.51E-06	1.60E-06	2.54E-06	0.00E+00	0.00E+00	6.60E-07	1.31E-07	8.34E-07	1.29E-07	1.97E-07	1.95E-06
2711	490860	3859110	5.81E-03	6.27E-03	9.96E-03	2.01E-06	6.07E-06	3.52E-06	3.80E-06	3.44E-06	1.57E-06	2.49E-06	0.00E+00	0.00E+00	6.47E-07	1.29E-07	8.17E-07	1.26E-07	1.93E-07	1.91E-06
2712	490360	3859160	6.51E-03	7.01E-03	1.10E-02	2.25E-06	6.80E-06	3.94E-06	4.24E-06	3.85E-06	1.76E-06	2.76E-06	0.00E+00	0.00E+00	7.24E-07	1.44E-07	9.14E-07	1.41E-07	2.14E-07	2.14E-06
2713	490410	3859160	6.44E-03	6.95E-03	1.09E-02	2.23E-06	6.73E-06	3.90E-06	4.20E-06	3.81E-06	1.74E-06	2.74E-06	0.00E+00	0.00E+00	7.17E-07	1.43E-07	9.05E-07	1.40E-07	2.12E-07	2.12E-06
2714	490460	3859160	6.38E-03	6.88E-03	1.08E-02	2.21E-06	6.67E-06	3.86E-06	4.16E-06	3.77E-06	1.72E-06	2.71E-06	0.00E+00	0.00E+00	7.10E-07	1.41E-07	8.96E-07	1.38E-07	2.10E-07	2.10E-06
2715	490510	3859160	6.26E-03	6.76E-03	1.07E-02	2.17E-06	6.55E-06	3.79E-06	4.09E-06	3.71E-06	1.69E-06	2.67E-06	0.00E+00	0.00E+00	6.97E-07	1.39E-07	8.80E-07	1.36E-07	2.06E-07	2.06E-06
2716	490560	3859160	6.16E-03	6.65E-03	1.05E-02	2.13E-06	6.44E-06	3.73E-06	4.02E-06	3.65E-06	1.66E-06	2.63E-06	0.00E+00	0.00E+00	6.86E-07	1.37E-07	8.66E-07	1.34E-07	2.03E-07	2.03E-06
2717	490610	3859160	6.09E-03	6.57E-03	1.04E-02	2.11E-06	6.36E-06	3.68E-06	3.97E-06	3.60E-06	1.64E-06	2.60E-06	0.00E+00	0.00E+00	6.78E-07	1.35E-07	8.56E-07	1.32E-07	2.01E-07	2.00E-06
2718	490660	3859160	5.94E-03	6.41E-03	1.01E-02	2.06E-06	6.21E-06	3.59E-06	3.88E-06	3.51E-06	1.60E-06	2.54E-06	0.00E+00	0.00E+00	6.61E-07	1.32E-07	8.35E-07	1.29E-07	1.97E-07	1.95E-06
2719	490710	3859160	5.86E-03	6.32E-03	1.00E-02	2.03E-06	6.12E-06	3.55E-06	3.83E-06	3.47E-06	1.58E-06	2.51E-06	0.00E+00	0.00E+00	6.52E-07	1.30E-07	8.24E-07	1.27E-07	1.94E-07	1.93E-06
2720	490760	3859160	5.73E-03	6.18E-03	9.81E-03	1.98E-06	5.99E-06	3.47E-06	3.74E-06	3.39E-06	1.55E-06	2.45E-06	0.00E+00	0.00E+00	6.37E-07	1.27E-07	8.05E-07	1.24E-07	1.90E-07	1.88E-06
2721	490810	3859160	5.64E-03	6.09E-03	9.67E-03	1.95E-06	5.90E-06	3.41E-06	3.68E-06	3.34E-06	1.52E-06	2.42E-06	0.00E+00	0.00E+00	6.28E-07	1.25E-07	7.94E-07	1.22E-07	1.87E-07	1.86E-06
2722	490860	3859160	5.55E-03	5.99E-03	9.51E-03	1.92E-06	5.80E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.38E-06	0.00E+00	0.00E+00	6.17E-07	1.23E-07	7.80E-07	1.20E-07	1.84E-07	1.83E-06
2723	490360	3859210	6.24E-03	6.73E-03	1.06E-02	2.16E-06	6.52E-06	3.78E-06	4.07E-06	3.69E-06	1.68E-06	2.65E-06	0.00E+00	0.00E+00	6.94E-07	1.38E-07	8.76E-07	1.35E-07	2.05E-07	2.05E-06
2724	490410	3859210	6.20E-03	6.68E-03	1.05E-02	2.14E-06	6.48E-06	3.75E-06	4.04E-06	3.66E-06	1.67E-06	2.63E-06	0.00E+00	0.00E+00	6.90E-07	1.37E-07	8.71E-07	1.34E-07	2.04E-07	2.04E-06
2725	490460	3859210	6.12E-03	6.61E-03	1.04E-02	2.12E-06	6.40E-06	3.71E-06	4.00E-06	3.62E-06	1.65E-06	2.61E-06	0.00E+00	0.00E+00	6.82E-07	1.36E-07	8.61E-07	1.33E-07	2.02E-07	2.01E-06
2726	490510	3859210	6.02E-03	6.49E-03	1.02E-02	2.08E-06	6.29E-06	3.64E-06	3.93E-06	3.56E-06	1.62E-06	2.56E-06	0.00E+00	0.00E+00	6.70E-07	1.33E-07	8.46E-07	1.30E-07	1.98E-07	1.98E-06
2727	490560	3859210	5.95E-03	6.42E-03	1.01E-02	2.06E-06	6.22E-06	3.60E-06	3.88E-06	3.52E-06	1.61E-06	2.54E-06	0.00E+00	0.00E+00	6.63E-07	1.32E-07	8.37E-07	1.29E-07	1.96E-07	1.96E-06
2728	490610	3859210	5.87E-03	6.33E-03	1.00E-02	2.03E-06	6.13E-06	3.55E-06	3.83E-06	3.47E-06	1.58E-06	2.50E-06	0.00E+00	0.00E+00	6.53E-07	1.30E-07	8.25E-07	1.27E-07	1.94E-07	1.93E-06
2729	490660	3859210	5.74E-03	6.19E-03	9.81E-03	1.99E-06	6.00E-06	3.47E-06	3.75E-06	3.40E-06	1.55E-06	2.45E-06	0.00E+00	0.00E+00	6.39E-07	1.27E-07	8.07E-07	1.24E-07	1.90E-07	1.89E-06

2730	490710	3859210	5.65E-03	6.10E-03	9.67E-03	1.96E-06	5.91E-06	3.42E-06	3.69E-06	3.35E-06	1.53E-06	2.42E-06	0.00E+00	0.00E+00	6.29E-07	1.25E-07	7.95E-07	1.23E-07	1.87E-07	1.86E-06
2731	490760	3859210	5.52E-03	5.96E-03	9.45E-03	1.91E-06	5.77E-06	3.34E-06	3.61E-06	3.27E-06	1.49E-06	2.37E-06	0.00E+00	0.00E+00	6.15E-07	1.22E-07	7.77E-07	1.20E-07	1.83E-07	1.82E-06
2732	490810	3859210	5.48E-03	5.92E-03	9.39E-03	1.90E-06	5.73E-06	3.32E-06	3.58E-06	3.25E-06	1.48E-06	2.35E-06	0.00E+00	0.00E+00	6.10E-07	1.22E-07	7.71E-07	1.19E-07	1.82E-07	1.80E-06
2733	490860	3859210	5.44E-03	5.87E-03	9.32E-03	1.88E-06	5.69E-06	3.29E-06	3.55E-06	3.22E-06	1.47E-06	2.33E-06	0.00E+00	0.00E+00	6.06E-07	1.21E-07	7.65E-07	1.18E-07	1.81E-07	1.79E-06
2734	490360	3859260	5.98E-03	6.45E-03	1.01E-02	2.07E-06	6.25E-06	3.62E-06	3.90E-06	3.54E-06	1.61E-06	2.54E-06	0.00E+00	0.00E+00	6.66E-07	1.32E-07	8.40E-07	1.30E-07	1.97E-07	1.96E-06
2735	490410	3859260	5.94E-03	6.40E-03	1.01E-02	2.06E-06	6.21E-06	3.59E-06	3.88E-06	3.51E-06	1.60E-06	2.52E-06	0.00E+00	0.00E+00	6.61E-07	1.32E-07	8.35E-07	1.29E-07	1.95E-07	1.95E-06
2736	490460	3859260	5.90E-03	6.36E-03	1.00E-02	2.04E-06	6.17E-06	3.57E-06	3.85E-06	3.49E-06	1.59E-06	2.51E-06	0.00E+00	0.00E+00	6.57E-07	1.31E-07	8.29E-07	1.28E-07	1.94E-07	1.94E-06
2737	490510	3859260	5.86E-03	6.32E-03	9.97E-03	2.03E-06	6.12E-06	3.55E-06	3.82E-06	3.47E-06	1.58E-06	2.50E-06	0.00E+00	0.00E+00	6.52E-07	1.30E-07	8.24E-07	1.27E-07	1.93E-07	1.93E-06
2738	490560	3859260	5.77E-03	6.22E-03	9.82E-03	2.00E-06	6.03E-06	3.49E-06	3.76E-06	3.41E-06	1.56E-06	2.46E-06	0.00E+00	0.00E+00	6.42E-07	1.28E-07	8.11E-07	1.25E-07	1.90E-07	1.90E-06
2739	490610	3859260	5.67E-03	6.12E-03	9.67E-03	1.96E-06	5.93E-06	3.43E-06	3.70E-06	3.36E-06	1.53E-06	2.42E-06	0.00E+00	0.00E+00	6.31E-07	1.26E-07	7.97E-07	1.23E-07	1.87E-07	1.86E-06
2740	490660	3859260	5.63E-03	6.08E-03	9.61E-03	1.95E-06	5.89E-06	3.41E-06	3.68E-06	3.33E-06	1.52E-06	2.41E-06	0.00E+00	0.00E+00	6.27E-07	1.25E-07	7.92E-07	1.22E-07	1.86E-07	1.85E-06
2741	490710	3859260	5.57E-03	6.01E-03	9.51E-03	1.93E-06	5.82E-06	3.37E-06	3.64E-06	3.30E-06	1.50E-06	2.38E-06	0.00E+00	0.00E+00	6.20E-07	1.23E-07	7.83E-07	1.21E-07	1.84E-07	1.83E-06
2742	490760	3859260	5.45E-03	5.89E-03	9.33E-03	1.89E-06	5.70E-06	3.30E-06	3.56E-06	3.23E-06	1.47E-06	2.33E-06	0.00E+00	0.00E+00	6.07E-07	1.21E-07	7.67E-07	1.18E-07	1.81E-07	1.79E-06
2743	490810	3859260	5.41E-03	5.83E-03	9.25E-03	1.87E-06	5.65E-06	3.27E-06	3.53E-06	3.20E-06	1.46E-06	2.31E-06	0.00E+00	0.00E+00	6.02E-07	1.20E-07	7.60E-07	1.17E-07	1.79E-07	1.78E-06
2744	490860	3859260	5.36E-03	5.78E-03	9.17E-03	1.85E-06	5.60E-06	3.24E-06	3.50E-06	3.17E-06	1.45E-06	2.29E-06	0.00E+00	0.00E+00	5.96E-07	1.19E-07	7.53E-07	1.16E-07	1.78E-07	1.76E-06
2745	490360	3859310	5.74E-03	6.18E-03	9.73E-03	1.99E-06	5.99E-06	3.47E-06	3.74E-06	3.39E-06	1.55E-06	2.43E-06	0.00E+00	0.00E+00	6.38E-07	1.27E-07	8.06E-07	1.24E-07	1.88E-07	1.88E-06
2746	490410	3859310	5.71E-03	6.15E-03	9.69E-03	1.98E-06	5.97E-06	3.45E-06	3.72E-06	3.38E-06	1.54E-06	2.43E-06	0.00E+00	0.00E+00	6.35E-07	1.26E-07	8.02E-07	1.24E-07	1.88E-07	1.88E-06
2747	490460	3859310	5.68E-03	6.12E-03	9.65E-03	1.96E-06	5.93E-06	3.43E-06	3.70E-06	3.36E-06	1.53E-06	2.41E-06	0.00E+00	0.00E+00	6.32E-07	1.26E-07	7.98E-07	1.23E-07	1.87E-07	1.87E-06
2748	490510	3859310	5.64E-03	6.09E-03	9.60E-03	1.95E-06	5.90E-06	3.42E-06	3.68E-06	3.34E-06	1.52E-06	2.40E-06	0.00E+00	0.00E+00	6.28E-07	1.25E-07	7.93E-07	1.22E-07	1.86E-07	1.86E-06
2749	490560	3859310	5.61E-03	6.05E-03	9.55E-03	1.94E-06	5.86E-06	3.39E-06	3.66E-06	3.32E-06	1.51E-06	2.39E-06	0.00E+00	0.00E+00	6.24E-07	1.24E-07	7.89E-07	1.22E-07	1.85E-07	1.84E-06
2750	490610	3859310	5.58E-03	6.02E-03	9.50E-03	1.93E-06	5.83E-06	3.37E-06	3.64E-06	3.30E-06	1.51E-06	2.38E-06	0.00E+00	0.00E+00	6.21E-07	1.24E-07	7.84E-07	1.21E-07	1.84E-07	1.83E-06
2751	490660	3859310	5.50E-03	5.93E-03	9.37E-03	1.90E-06	5.75E-06	3.33E-06	3.59E-06	3.25E-06	1.48E-06	2.35E-06	0.00E+00	0.00E+00	6.12E-07	1.22E-07	7.73E-07	1.19E-07	1.82E-07	1.81E-06
2752	490710	3859310	5.41E-03	5.84E-03	9.24E-03	1.87E-06	5.66E-06	3.27E-06	3.53E-06	3.20E-06	1.46E-06	2.31E-06	0.00E+00	0.00E+00	6.02E-07	1.20E-07	7.61E-07	1.17E-07	1.79E-07	1.78E-06
2753	490760	3859310	5.35E-03	5.77E-03	9.14E-03	1.85E-06	5.59E-06	3.24E-06	3.49E-06	3.17E-06	1.44E-06	2.29E-06	0.00E+00	0.00E+00	5.95E-07	1.19E-07	7.52E-07	1.16E-07	1.77E-07	1.76E-06
2754	490810	3859310	5.30E-03	5.72E-03	9.07E-03	1.84E-06	5.54E-06	3.21E-06	3.46E-06	3.14E-06	1.43E-06	2.27E-06	0.00E+00	0.00E+00	5.91E-07	1.18E-07	7.46E-07	1.15E-07	1.76E-07	1.74E-06
2755	490860	3859310	5.24E-03	5.66E-03	8.96E-03	1.81E-06	5.48E-06	3.17E-06	3.42E-06	3.10E-06	1.42E-06	2.24E-06	0.00E+00	0.00E+00	5.83E-07	1.16E-07	7.37E-07	1.14E-07	1.74E-07	1.72E-06
2756	490360	3859360	5.50E-03	5.93E-03	9.32E-03	1.90E-06	5.75E-06	3.33E-06	3.59E-06	3.25E-06	1.48E-06	2.33E-06	0.00E+00	0.00E+00	6.12E-07	1.22E-07	7.72E-07	1.19E-07	1.81E-07	1.81E-06
2757	490410	3859360	5.48E-03	5.91E-03	9.30E-03	1.90E-06	5.73E-06	3.32E-06	3.58E-06	3.24E-06	1.48E-06	2.33E-06	0.00E+00	0.00E+00	6.10E-07	1.21E-07	7.70E-07	1.19E-07	1.80E-07	1.80E-06
2758	490460	3859360	5.46E-03	5.89E-03	9.28E-03	1.89E-06	5.71E-06	3.31E-06	3.56E-06	3.23E-06	1.47E-06	2.32E-06	0.00E+00	0.00E+00	6.08E-07	1.21E-07	7.68E-07	1.18E-07	1.80E-07	1.79E-06
2759	490510	3859360	5.44E-03	5.87E-03	9.25E-03	1.88E-06	5.69E-06	3.29E-06	3.55E-06	3.22E-06	1.47E-06	2.32E-06	0.00E+00	0.00E+00	6.06E-07	1.21E-07	7.65E-07	1.18E-07	1.79E-07	1.79E-06
2760	490560	3859360	5.41E-03	5.84E-03	9.21E-03	1.87E-06	5.66E-06	3.27E-06	3.53E-06	3.20E-06	1.46E-06	2.31E-06	0.00E+00	0.00E+00	6.02E-07	1.20E-07	7.61E-07	1.17E-07	1.78E-07	1.78E-06
2761	490610	3859360	5.38E-03	5.80E-03	9.16E-03	1.86E-06	5.62E-06	3.25E-06	3.51E-06	3.18E-06	1.45E-06	2.29E-06	0.00E+00	0.00E+00	5.99E-07	1.19E-07	7.56E-07	1.17E-07	1.78E-07	1.77E-06
2762	490660	3859360	5.35E-03	5.77E-03	9.12E-03	1.85E-06	5.59E-06	3.24E-06	3.49E-06	3.16E-06	1.44E-06	2.28E-06	0.00E+00	0.00E+00	5.95E-07	1.18E-07	7.52E-07	1.16E-07	1.77E-07	1.76E-06
2763	490710	3859360	5.27E-03	5.69E-03	8.99E-03	1.82E-06	5.51E-06	3.19E-06	3.44E-06	3.12E-06	1.42E-06	2.25E-06	0.00E+00	0.00E+00	5.87E-07	1.17E-07	7.41E-07	1.14E-07	1.74E-07	1.73E-06
2764	490760	3859360	5.21E-03	5.62E-03	8.89E-03	1.80E-06	5.44E-06	3.15E-06	3.40E-06	3.08E-06	1.41E-06	2.23E-06	0.00E+00	0.00E+00	5.80E-07	1.15E-07	7.32E-07	1.13E-07	1.72E-07	1.71E-06
2765	490810	3859360	5.18E-03	5.59E-03	8.85E-03	1.79E-06	5.42E-06	3.14E-06	3.38E-06	3.07E-06	1.40E-06	2.21E-06	0.00E+00	0.00E+00	5.77E-07	1.15E-07	7.29E-07	1.12E-07	1.71E-07	1.70E-06
2766	490860	3859360	5.13E-03	5.54E-03	8.77E-03	1.78E-06	5.37E-06	3.11E-06	3.35E-06	3.04E-06	1.39E-06	2.20E-06	0.00E+00	0.00E+00	5.72E-07	1.14E-07	7.22E-07	1.11E-07	1.70E-07	1.69E-06
2767	490360	3859410	5.26E-03	5.67E-03	8.92E-03	1.82E-06	5.50E-06	3.18E-06	3.43E-06	3.11E-06	1.42E-06	2.23E-06	0.00E+00	0.00E+00	5.86E-07	1.16E-07	7.39E-07	1.14E-07	1.73E-07	1.73E-06
2768	490410	3859410	5.25E-03	5.66E-03	8.91E-03	1.82E-06	5.49E-06	3.18E-06	3.43E-06	3.11E-06	1.42E-06	2.23E-06	0.00E+00	0.00E+00	5.85E-07	1.16E-07	7.38E-07	1.14E-07	1.73E-07	1.73E-06
2769	490460	3859410	5.24E-03	5.65E-03	8.90E-03	1.82E-06	5.48E-06	3.17E-06	3.42E-06	3.10E-06	1.42E-06	2.23E-06	0.00E+00	0.00E+00	5.84E-07	1.16E-07	7.37E-07	1.14E-07	1.73E-07	1.72E-06
2770	490510	3859410	5.23E-03	5.64E-03	8.89E-03	1.81E-06	5.47E-06	3.17E-06	3.41E-06	3.09E-06	1.41E-06	2.22E-06	0.00E+00	0.00E+00	5.82E-07	1.16E-07	7.35E-07	1.13E-07	1.72E-07	1.72E-06
2771	490560	3859410	5.22E-03	5.62E-03	8.87E-03	1.81E-06	5.45E-06	3.16E-06	3.40E-06	3.09E-06	1.41E-06	2.22E-06	0.00E+00	0.00E+00	5.81E-07	1.16E-07	7.33E-07	1.13E-07	1.72E-07	1.71E-06
2772	490610	3859410	5.20E-03	5.60E-03	8.84E-03	1.80E-06	5.43E-06	3.14E-06	3.39E-06	3.07E-06	1.40E-06	2.21E-06	0.00E+00	0.00E+00	5.78E-07	1.15E-07	7.30E-07	1.13E-07	1.71E-07	1.71E-06
2773	490660	3859410	5.17E-03	5.57E-03	8.80E-03	1.79E-06	5.40E-06	3.13E-06	3.37E-06	3.06E-06	1.39E-06	2.20E-06	0.00E+00	0.00E+00	5.75E-07	1.14E-07	7.26E-07	1.12E-07	1.71E-07	1.70E-06
2774	490710	3859410	5.14E-03	5.54E-03	8.76E-03	1.78E-06	5.37E-06	3.11E-06	3.35E-06	3.04E-06	1.39E-06	2.19E-06	0.00E+00	0.00E+00	5.72E-07	1.14E-07	7.22E-07	1.11E-07	1.70E-07	1.69E-06
2775	490760	3859410	5.07E-03	5.47E-03	8.64E-03	1.75E-06	5.30E-06	3.07E-06	3.31E-06	3.00E-06	1.37E-06	2.16E-06	0.00E+00	0.00E+00	5.64E-07	1.12E-07	7.12E-07	1.10E-07	1.67E-07	1.67E-06
2776	490810	3859410	5.04E-03	5.44E-03	8.60E-03	1.74E-06	5.27E-06	3.05E-06	3.29E-06	2.98E-06	1.36E-06	2.15E-06	0.00E+00	0.00E+00	5.61E-07	1.12E-07	7.08E-07	1.09E-07	1.67E-07	1.66E-06
2777	490860	3859410	5.02E-03	5.42E-03	8.57E-03	1.74E-06	5.25E-06	3.04E-06	3.28E-06	2.97E-06	1.36E-06	2.14E-06	0.00E+00	0.00E+00	5.59E-07	1.11E-07	7.06E-07	1.09E-07	1.66E-07	1.65E-06
2778	490360	3859460	5.03E-03	5.42E-03	8.52E-03	1.74E-06	5.26E-06	3.05E-06	3.28E-06	2.98E-06	1.36E-06	2.13E-06	0.00E+00	0.00E+00	5.60E-07	1.11E-07	7.07E-07	1.09E-07	1.65E-07	1.65E-06
2779	490410	3859460	5.03E-03	5.43E-03	8.53E-03	1.74E-06	5.26E-06	3.05E-06	3.28E-06	2.98E-06	1.36E-06	2.14E-06	0.00E+00	0.00E+00	5.60E-07	1.11E-07	7.07E-07	1.09E-07	1.65E-07	1.65E-06
2780	490460	3859460	5.03E-03	5.42E-03	8.53E-03	1.74E-06	5.26E-06	3.04E-06	3.28E-06	2.97E-06	1.36E-06	2.14E-06	0.00E+00	0.00E+00	5.60E-07	1.11E-07	7.07E-07	1.09E-07	1.65E-07	1.65E-06
2781	490510	3859460	5.02E-03	5.42E-03	8.53E-03	1.74E-06	5.25E-06	3.04E-06	3.28E-06	2.97E-06	1.36E-06	2.14E-06	0.00E+00	0.00E+00	5.59E-07	1.11E-07	7.06E-07	1.09E-07	1.65E-07	1.65E-06
2782	490560	3859460	5.01E-03	5.41E-03	8.52E-03	1.74E-06	5.24E-06	3.03E-06	3.27E-06	2.97E-06	1.35E-06	2.13E-06	0.00E+00	0.00E+00	5.58E-07	1.11E-07	7.05E-07	1.09E-07	1.65E-07	1.65E-06
2783	490610	3859460	5.00E-03	5.40E-03	8.51E-03	1.73E-06	5.23E-06	3.03E-06	3.26E-06	2.96E-06	1.35E-06	2.13E-06	0.00E+00	0.00E+00	5.57E-07	1.11E-07	7.03E-07	1.08E-07	1.65E-07	1.64E-06
2784	490660	3859460	4.99E-03	5.38E-03	8.49E-03	1.73E-06	5.21E-06	3.02E-06	3.25E-06	2.95E-06	1.35E-06	2.13E-06	0.00E+00	0.00E+00	5.55E-07	1.10E-07	7.01E-07	1.08E-07	1.65E-07	1.64E-06
2785	490710	3859460	4.97E-03	5.36E-03	8.47E-03	1.72E-06	5.19E-06	3.01E-06	3.24E-06	2.94E-06	1.34E-06	2.12E-06	0.00E+00	0.00E+00	5.53E-07	1.10E-07	6.98E-07	1.08E-07	1.64E-07	1.63E-06
2786	490760	3859460	4.94E-03	5.33E-03	8.43E-03	1.71E-06	5.17E-06	2.99E-06	3.23E-06	2.93E-06	1.34E-06	2.11E-06	0.00E+00	0.00E+00	5.50E-07	1.10E-07	6.95E-07	1.07E-07	1.63E-07	1.63E-06

2787	490810	3859460	4.92E-03	5.31E-03	8.40E-03	1.70E-06	5.14E-06	2.98E-06	3.21E-06	2.91E-06	1.33E-06	2.10E-06	0.00E+00	0.00E+00	5.48E-07	1.09E-07	6.92E-07	1.07E-07	1.63E-07	1.62E-06
2788	490860	3859460	4.90E-03	5.29E-03	8.37E-03	1.70E-06	5.12E-06	2.96E-06	3.20E-06	2.90E-06	1.32E-06	2.09E-06	0.00E+00	0.00E+00	5.45E-07	1.09E-07	6.89E-07	1.06E-07	1.62E-07	1.61E-06
2789	490360	3859510	4.81E-03	5.18E-03	8.14E-03	1.67E-06	5.03E-06	2.91E-06	3.14E-06	2.84E-06	1.30E-06	2.04E-06	0.00E+00	0.00E+00	5.35E-07	1.06E-07	6.76E-07	1.04E-07	1.58E-07	1.58E-06
2790	490410	3859510	4.81E-03	5.19E-03	8.16E-03	1.67E-06	5.03E-06	2.91E-06	3.14E-06	2.85E-06	1.30E-06	2.04E-06	0.00E+00	0.00E+00	5.36E-07	1.07E-07	6.76E-07	1.04E-07	1.58E-07	1.58E-06
2791	490460	3859510	4.82E-03	5.19E-03	8.17E-03	1.67E-06	5.04E-06	2.92E-06	3.14E-06	2.85E-06	1.30E-06	2.05E-06	0.00E+00	0.00E+00	5.36E-07	1.07E-07	6.77E-07	1.04E-07	1.58E-07	1.58E-06
2792	490510	3859510	4.82E-03	5.20E-03	8.18E-03	1.67E-06	5.04E-06	2.92E-06	3.14E-06	2.85E-06	1.30E-06	2.05E-06	0.00E+00	0.00E+00	5.36E-07	1.07E-07	6.77E-07	1.04E-07	1.59E-07	1.58E-06
2793	490560	3859510	4.82E-03	5.19E-03	8.18E-03	1.67E-06	5.03E-06	2.91E-06	3.14E-06	2.85E-06	1.30E-06	2.05E-06	0.00E+00	0.00E+00	5.36E-07	1.07E-07	6.77E-07	1.04E-07	1.59E-07	1.58E-06
2794	490610	3859510	4.81E-03	5.19E-03	8.18E-03	1.67E-06	5.03E-06	2.91E-06	3.14E-06	2.85E-06	1.30E-06	2.05E-06	0.00E+00	0.00E+00	5.36E-07	1.07E-07	6.76E-07	1.04E-07	1.59E-07	1.58E-06
2795	490660	3859510	4.80E-03	5.18E-03	8.17E-03	1.66E-06	5.02E-06	2.91E-06	3.13E-06	2.84E-06	1.30E-06	2.05E-06	0.00E+00	0.00E+00	5.35E-07	1.06E-07	6.75E-07	1.04E-07	1.58E-07	1.58E-06
2796	490710	3859510	4.79E-03	5.17E-03	8.16E-03	1.66E-06	5.01E-06	2.90E-06	3.13E-06	2.84E-06	1.29E-06	2.04E-06	0.00E+00	0.00E+00	5.33E-07	1.06E-07	6.74E-07	1.04E-07	1.58E-07	1.58E-06
2797	490760	3859510	4.78E-03	5.15E-03	8.14E-03	1.65E-06	4.99E-06	2.89E-06	3.12E-06	2.83E-06	1.29E-06	2.04E-06	0.00E+00	0.00E+00	5.32E-07	1.06E-07	6.72E-07	1.04E-07	1.58E-07	1.57E-06
2798	490810	3859510	4.76E-03	5.14E-03	8.12E-03	1.65E-06	4.98E-06	2.88E-06	3.11E-06	2.82E-06	1.29E-06	2.03E-06	0.00E+00	0.00E+00	5.30E-07	1.06E-07	6.69E-07	1.03E-07	1.57E-07	1.57E-06
2799	490860	3859510	4.74E-03	5.12E-03	8.09E-03	1.64E-06	4.96E-06	2.87E-06	3.10E-06	2.81E-06	1.28E-06	2.03E-06	0.00E+00	0.00E+00	5.28E-07	1.05E-07	6.67E-07	1.03E-07	1.57E-07	1.56E-06
2800	490360	3859560	4.59E-03	4.95E-03	7.77E-03	1.59E-06	4.80E-06	2.78E-06	2.99E-06	2.71E-06	1.24E-06	1.94E-06	0.00E+00	0.00E+00	5.11E-07	1.02E-07	6.45E-07	9.94E-08	1.51E-07	1.51E-06
2801	490410	3859560	4.60E-03	4.96E-03	7.79E-03	1.59E-06	4.81E-06	2.78E-06	3.00E-06	2.72E-06	1.24E-06	1.95E-06	0.00E+00	0.00E+00	5.12E-07	1.02E-07	6.46E-07	9.97E-08	1.51E-07	1.51E-06
2802	490460	3859560	4.61E-03	4.97E-03	7.82E-03	1.60E-06	4.82E-06	2.79E-06	3.01E-06	2.73E-06	1.24E-06	1.96E-06	0.00E+00	0.00E+00	5.13E-07	1.02E-07	6.48E-07	9.99E-08	1.51E-07	1.51E-06
2803	490510	3859560	4.62E-03	4.98E-03	7.84E-03	1.60E-06	4.83E-06	2.79E-06	3.01E-06	2.73E-06	1.25E-06	1.96E-06	0.00E+00	0.00E+00	5.14E-07	1.02E-07	6.49E-07	1.00E-07	1.52E-07	1.52E-06
2804	490560	3859560	4.62E-03	4.98E-03	7.85E-03	1.60E-06	4.83E-06	2.80E-06	3.01E-06	2.73E-06	1.25E-06	1.96E-06	0.00E+00	0.00E+00	5.14E-07	1.02E-07	6.49E-07	1.00E-07	1.52E-07	1.52E-06
2805	490610	3859560	4.62E-03	4.98E-03	7.85E-03	1.60E-06	4.83E-06	2.80E-06	3.02E-06	2.73E-06	1.25E-06	1.97E-06	0.00E+00	0.00E+00	5.14E-07	1.02E-07	6.49E-07	1.00E-07	1.52E-07	1.52E-06
2806	490660	3859560	4.62E-03	4.98E-03	7.86E-03	1.60E-06	4.83E-06	2.80E-06	3.01E-06	2.73E-06	1.25E-06	1.97E-06	0.00E+00	0.00E+00	5.14E-07	1.02E-07	6.49E-07	1.00E-07	1.52E-07	1.52E-06
2807	490710	3859560	4.62E-03	4.98E-03	7.86E-03	1.60E-06	4.83E-06	2.79E-06	3.01E-06	2.73E-06	1.25E-06	1.97E-06	0.00E+00	0.00E+00	5.14E-07	1.02E-07	6.49E-07	1.00E-07	1.52E-07	1.52E-06
2808	490760	3859560	4.61E-03	4.97E-03	7.85E-03	1.60E-06	4.82E-06	2.79E-06	3.01E-06	2.73E-06	1.24E-06	1.97E-06	0.00E+00	0.00E+00	5.13E-07	1.02E-07	6.48E-07	9.99E-08	1.52E-07	1.52E-06
2809	490810	3859560	4.60E-03	4.96E-03	7.84E-03	1.59E-06	4.81E-06	2.78E-06	3.00E-06	2.72E-06	1.24E-06	1.96E-06	0.00E+00	0.00E+00	5.12E-07	1.02E-07	6.46E-07	9.97E-08	1.52E-07	1.51E-06
2810	490860	3859560	4.58E-03	4.94E-03	7.82E-03	1.59E-06	4.79E-06	2.77E-06	2.99E-06	2.71E-06	1.24E-06	1.96E-06	0.00E+00	0.00E+00	5.10E-07	1.02E-07	6.44E-07	9.94E-08	1.52E-07	1.51E-06
2811	490187.3	3859422	5.20E-03	5.61E-03	8.79E-03	1.80E-06	5.44E-06	3.15E-06	3.39E-06	3.08E-06	1.40E-06	2.20E-06	0.00E+00	0.00E+00	5.79E-07	1.15E-07	7.31E-07	1.13E-07	1.70E-07	1.71E-06
2812	490237.3	3859422	5.21E-03	5.61E-03	8.80E-03	1.80E-06	5.44E-06	3.15E-06	3.40E-06	3.08E-06	1.40E-06	2.20E-06	0.00E+00	0.00E+00	5.80E-07	1.15E-07	7.31E-07	1.13E-07	1.71E-07	1.71E-06
2813	490287.3	3859422	5.21E-03	5.61E-03	8.81E-03	1.80E-06	5.45E-06	3.15E-06	3.40E-06	3.08E-06	1.41E-06	2.21E-06	0.00E+00	0.00E+00	5.80E-07	1.15E-07	7.32E-07	1.13E-07	1.71E-07	1.71E-06
2814	490337.3	3859422	5.21E-03	5.61E-03	8.82E-03	1.80E-06	5.44E-06	3.15E-06	3.40E-06	3.08E-06	1.41E-06	2.21E-06	0.00E+00	0.00E+00	5.80E-07	1.15E-07	7.32E-07	1.13E-07	1.71E-07	1.71E-06
2815	490187.3	3859472	4.96E-03	5.34E-03	8.37E-03	1.72E-06	5.18E-06	3.00E-06	3.23E-06	2.93E-06	1.34E-06	2.09E-06	0.00E+00	0.00E+00	5.52E-07	1.10E-07	6.96E-07	1.07E-07	1.62E-07	1.63E-06
2816	490237.3	3859472	4.96E-03	5.35E-03	8.39E-03	1.72E-06	5.19E-06	3.00E-06	3.24E-06	2.93E-06	1.34E-06	2.10E-06	0.00E+00	0.00E+00	5.53E-07	1.10E-07	6.97E-07	1.08E-07	1.63E-07	1.63E-06
2817	490287.3	3859472	4.98E-03	5.36E-03	8.42E-03	1.72E-06	5.20E-06	3.01E-06	3.24E-06	2.94E-06	1.34E-06	2.11E-06	0.00E+00	0.00E+00	5.54E-07	1.10E-07	6.99E-07	1.08E-07	1.63E-07	1.63E-06
2818	490337.3	3859472	4.98E-03	5.37E-03	8.43E-03	1.72E-06	5.20E-06	3.01E-06	3.25E-06	2.94E-06	1.34E-06	2.11E-06	0.00E+00	0.00E+00	5.54E-07	1.10E-07	6.99E-07	1.08E-07	1.63E-07	1.63E-06
2819	490297.1	3859500	4.85E-03	5.22E-03	8.20E-03	1.68E-06	5.06E-06	2.93E-06	3.16E-06	2.86E-06	1.31E-06	2.05E-06	0.00E+00	0.00E+00	5.39E-07	1.07E-07	6.81E-07	1.05E-07	1.59E-07	1.59E-06
2820	490327.1	3859500	4.85E-03	5.22E-03	8.20E-03	1.68E-06	5.07E-06	2.93E-06	3.16E-06	2.87E-06	1.31E-06	2.05E-06	0.00E+00	0.00E+00	5.40E-07	1.07E-07	6.81E-07	1.05E-07	1.59E-07	1.59E-06
2821	490297.1	3859530	4.70E-03	5.07E-03	7.96E-03	1.63E-06	4.92E-06	2.85E-06	3.07E-06	2.78E-06	1.27E-06	1.99E-06	0.00E+00	0.00E+00	5.24E-07	1.04E-07	6.61E-07	1.02E-07	1.54E-07	1.54E-06
2822	490327.1	3859530	4.71E-03	5.08E-03	7.97E-03	1.63E-06	4.93E-06	2.85E-06	3.07E-06	2.79E-06	1.27E-06	2.00E-06	0.00E+00	0.00E+00	5.25E-07	1.04E-07	6.62E-07	1.02E-07	1.55E-07	1.55E-06
2823	490319.7	3859055	7.16E-03	7.72E-03	1.21E-02	2.48E-06	7.48E-06	4.33E-06	4.67E-06	4.23E-06	1.93E-06	3.03E-06	0.00E+00	0.00E+00	7.97E-07	1.58E-07	1.01E-06	1.55E-07	2.35E-07	2.35E-06
2824	490319.7	3859105	6.86E-03	7.39E-03	1.16E-02	2.38E-06	7.17E-06	4.15E-06	4.47E-06	4.06E-06	1.85E-06	2.90E-06	0.00E+00	0.00E+00	7.64E-07	1.52E-07	9.64E-07	1.49E-07	2.25E-07	2.25E-06
2825	490069.7	3859155	6.77E-03	7.29E-03	1.14E-02	2.34E-06	7.08E-06	4.10E-06	4.41E-06	4.00E-06	1.82E-06	2.85E-06	0.00E+00	0.00E+00	7.54E-07	1.50E-07	9.50E-07	1.47E-07	2.21E-07	2.22E-06
2826	490119.7	3859155	6.73E-03	7.25E-03	1.13E-02	2.33E-06	7.04E-06	4.07E-06	4.39E-06	3.98E-06	1.81E-06	2.84E-06	0.00E+00	0.00E+00	7.49E-07	1.49E-07	9.45E-07	1.46E-07	2.20E-07	2.21E-06
2827	490269.7	3859155	6.62E-03	7.13E-03	1.12E-02	2.29E-06	6.92E-06	4.00E-06	4.31E-06	3.91E-06	1.78E-06	2.80E-06	0.00E+00	0.00E+00	7.37E-07	1.46E-07	9.29E-07	1.43E-07	2.17E-07	2.17E-06
2828	490319.7	3859155	6.57E-03	7.09E-03	1.11E-02	2.28E-06	6.87E-06	3.98E-06	4.29E-06	3.89E-06	1.77E-06	2.78E-06	0.00E+00	0.00E+00	7.32E-07	1.46E-07	9.23E-07	1.42E-07	2.16E-07	2.16E-06
2829	490069.7	3859205	6.44E-03	6.94E-03	1.08E-02	2.23E-06	6.73E-06	3.90E-06	4.20E-06	3.81E-06	1.74E-06	2.71E-06	0.00E+00	0.00E+00	7.17E-07	1.42E-07	9.04E-07	1.39E-07	2.10E-07	2.11E-06
2830	490119.7	3859205	6.41E-03	6.91E-03	1.08E-02	2.22E-06	6.70E-06	3.88E-06	4.18E-06	3.79E-06	1.73E-06	2.70E-06	0.00E+00	0.00E+00	7.14E-07	1.42E-07	9.00E-07	1.39E-07	2.09E-07	2.10E-06
2831	490169.7	3859205	6.39E-03	6.88E-03	1.08E-02	2.21E-06	6.67E-06	3.86E-06	4.16E-06	3.77E-06	1.72E-06	2.69E-06	0.00E+00	0.00E+00	7.11E-07	1.41E-07	8.96E-07	1.38E-07	2.09E-07	2.10E-06
2832	490219.7	3859205	6.36E-03	6.85E-03	1.07E-02	2.20E-06	6.65E-06	3.85E-06	4.15E-06	3.76E-06	1.72E-06	2.69E-06	0.00E+00	0.00E+00	7.08E-07	1.41E-07	8.93E-07	1.38E-07	2.08E-07	2.09E-06
2833	490269.7	3859205	6.33E-03	6.82E-03	1.07E-02	2.19E-06	6.62E-06	3.83E-06	4.13E-06	3.74E-06	1.71E-06	2.68E-06	0.00E+00	0.00E+00	7.05E-07	1.40E-07	8.89E-07	1.37E-07	2.07E-07	2.08E-06
2834	490319.7	3859205	6.30E-03	6.79E-03	1.07E-02	2.18E-06	6.58E-06	3.81E-06	4.11E-06	3.72E-06	1.70E-06	2.67E-06	0.00E+00	0.00E+00	7.01E-07	1.39E-07	8.84E-07	1.36E-07	2.07E-07	2.07E-06
2835	490069.7	3859255	6.14E-03	6.61E-03	1.03E-02	2.12E-06	6.41E-06	3.71E-06	4.00E-06	3.62E-06	1.65E-06	2.58E-06	0.00E+00	0.00E+00	6.83E-07	1.36E-07	8.61E-07	1.33E-07	2.00E-07	2.01E-06
2836	490119.7	3859255	6.11E-03	6.59E-03	1.03E-02	2.12E-06	6.39E-06	3.70E-06	3.98E-06	3.61E-06	1.65E-06	2.58E-06	0.00E+00	0.00E+00	6.81E-07	1.35E-07	8.58E-07	1.32E-07	2.00E-07	2.01E-06
2837	490169.7	3859255	6.09E-03	6.57E-03	1.03E-02	2.11E-06	6.37E-06	3.69E-06	3.97E-06	3.60E-06	1.64E-06	2.57E-06	0.00E+00	0.00E+00	6.78E-07	1.35E-07	8.56E-07	1.32E-07	1.99E-07	2.00E-06
2838	490219.7	3859255	6.08E-03	6.55E-03	1.03E-02	2.10E-06	6.35E-06	3.68E-06	3.96E-06	3.59E-06	1.64E-06	2.57E-06	0.00E+00	0.00E+00	6.77E-07	1.35E-07	8.54E-07	1.32E-07	1.99E-07	2.00E-06
2839	490269.7	3859255	6.06E-03	6.53E-03	1.02E-02	2.10E-06	6.33E-06	3.67E-06	3.95E-06	3.58E-06	1.63E-06	2.56E-06	0.00E+00	0.00E+00	6.74E-07	1.34E-07	8.51E-07	1.31E-07	1.99E-07	1.99E-06
2840	490319.7	3859255	6.03E-03	6.50E-03	1.02E-02	2.09E-06	6.30E-06	3.65E-06	3.93E-06	3.57E-06	1.63E-06	2.56E-06	0.00E+00	0.00E+00	6.71E-07	1.34E-07	8.47E-07	1.31E-07	1.98E-07	1.98E-06
2841	490069.7	3859305	5.84E-03	6.29E-03	9.84E-03	2.02E-06	6.11E-06	3.54E-06	3.81E-06	3.45E-06	1.58E-06	2.46E-06	0.00E+00	0.00E+00	6.50E-07	1.29E-07	8.20E-07	1.26E-07	1.91E-07	1.92E-06
2842	490119.7	3859305	5.83E-03	6.28E-03	9.82E-03	2.02E-06	6.09E-06	3.53E-06	3.80E-06	3.44E-06	1.57E-06	2.46E-06	0.00E+00	0.00E+00	6.49E-07	1.29E-07	8.18E-07	1.26E-07	1.90E-07	1.91E-06
2843	490169.7	3859305	5.82E-03	6.27E-03	9.81E-03	2.01E-06	6.08E-06	3.52E-06	3.79E-06	3.44E-06	1.57E-06	2.46E-06	0.00E+00	0.00E+00	6.47E-07	1.29E-07	8.17E-07	1.26E-07	1.90E-07	1.91E-06

2844	490219.7	3859305	5.81E-03	6.26E-03	9.81E-03	2.01E-06	6.07E-06	3.51E-06	3.79E-06	3.43E-06	1.57E-06	2.45E-06	0.00E+00	0.00E+00	6.46E-07	1.28E-07	8.15E-07	1.26E-07	1.90E-07	1.91E-06
2845	490269.7	3859305	5.79E-03	6.24E-03	9.80E-03	2.01E-06	6.05E-06	3.51E-06	3.78E-06	3.42E-06	1.56E-06	2.45E-06	0.00E+00	0.00E+00	6.45E-07	1.28E-07	8.14E-07	1.25E-07	1.90E-07	1.90E-06
2846	490319.7	3859305	5.78E-03	6.23E-03	9.78E-03	2.00E-06	6.04E-06	3.50E-06	3.77E-06	3.42E-06	1.56E-06	2.45E-06	0.00E+00	0.00E+00	6.43E-07	1.28E-07	8.11E-07	1.25E-07	1.90E-07	1.90E-06
2847	490069.7	3859355	5.56E-03	5.99E-03	9.36E-03	1.92E-06	5.81E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.34E-06	0.00E+00	0.00E+00	6.19E-07	1.23E-07	7.80E-07	1.20E-07	1.81E-07	1.82E-06
2848	490119.7	3859355	5.55E-03	5.98E-03	9.36E-03	1.92E-06	5.80E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.34E-06	0.00E+00	0.00E+00	6.18E-07	1.23E-07	7.79E-07	1.20E-07	1.81E-07	1.82E-06
2849	490169.7	3859355	5.55E-03	5.97E-03	9.36E-03	1.92E-06	5.80E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.34E-06	0.00E+00	0.00E+00	6.17E-07	1.23E-07	7.79E-07	1.20E-07	1.81E-07	1.82E-06
2850	490219.7	3859355	5.54E-03	5.97E-03	9.37E-03	1.92E-06	5.79E-06	3.35E-06	3.61E-06	3.28E-06	1.49E-06	2.34E-06	0.00E+00	0.00E+00	6.17E-07	1.23E-07	7.78E-07	1.20E-07	1.82E-07	1.82E-06
2851	490269.7	3859355	5.54E-03	5.97E-03	9.36E-03	1.92E-06	5.79E-06	3.35E-06	3.61E-06	3.27E-06	1.49E-06	2.34E-06	0.00E+00	0.00E+00	6.16E-07	1.23E-07	7.78E-07	1.20E-07	1.81E-07	1.82E-06
2852	490319.7	3859355	5.53E-03	5.96E-03	9.36E-03	1.91E-06	5.78E-06	3.35E-06	3.61E-06	3.27E-06	1.49E-06	2.34E-06	0.00E+00	0.00E+00	6.15E-07	1.22E-07	7.77E-07	1.20E-07	1.81E-07	1.82E-06
2853	490069.7	3859405	5.28E-03	5.69E-03	8.90E-03	1.83E-06	5.52E-06	3.19E-06	3.44E-06	3.12E-06	1.42E-06	2.23E-06	0.00E+00	0.00E+00	5.88E-07	1.17E-07	7.41E-07	1.14E-07	1.72E-07	1.73E-06
2854	490119.7	3859405	5.28E-03	5.69E-03	8.91E-03	1.83E-06	5.52E-06	3.20E-06	3.44E-06	3.12E-06	1.42E-06	2.23E-06	0.00E+00	0.00E+00	5.88E-07	1.17E-07	7.42E-07	1.14E-07	1.73E-07	1.73E-06
2855	490169.7	3859405	5.29E-03	5.70E-03	8.92E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.12E-06	1.43E-06	2.23E-06	0.00E+00	0.00E+00	5.89E-07	1.17E-07	7.42E-07	1.14E-07	1.73E-07	1.74E-06
2856	490219.7	3859405	5.29E-03	5.70E-03	8.94E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.24E-06	0.00E+00	0.00E+00	5.89E-07	1.17E-07	7.43E-07	1.15E-07	1.73E-07	1.74E-06
2857	490269.7	3859405	5.29E-03	5.70E-03	8.95E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.24E-06	0.00E+00	0.00E+00	5.89E-07	1.17E-07	7.43E-07	1.15E-07	1.73E-07	1.74E-06
2858	490319.7	3859405	5.29E-03	5.70E-03	8.96E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.24E-06	0.00E+00	0.00E+00	5.89E-07	1.17E-07	7.43E-07	1.15E-07	1.74E-07	1.74E-06
2859	490161.9	3859542	4.61E-03	4.97E-03	7.79E-03	1.60E-06	4.82E-06	2.79E-06	3.01E-06	2.73E-06	1.24E-06	1.95E-06	0.00E+00	0.00E+00	5.14E-07	1.02E-07	6.48E-07	9.99E-08	1.51E-07	1.51E-06
2860	490171.9	3859542	4.62E-03	4.98E-03	7.80E-03	1.60E-06	4.83E-06	2.79E-06	3.01E-06	2.73E-06	1.25E-06	1.95E-06	0.00E+00	0.00E+00	5.14E-07	1.02E-07	6.48E-07	1.00E-07	1.51E-07	1.52E-06
2861	490161.9	3859552	4.57E-03	4.92E-03	7.72E-03	1.58E-06	4.77E-06	2.76E-06	2.98E-06	2.70E-06	1.23E-06	1.93E-06	0.00E+00	0.00E+00	5.09E-07	1.01E-07	6.41E-07	9.89E-08	1.50E-07	1.50E-06
2862	490171.9	3859552	4.57E-03	4.93E-03	7.72E-03	1.58E-06	4.78E-06	2.77E-06	2.98E-06	2.70E-06	1.23E-06	1.93E-06	0.00E+00	0.00E+00	5.09E-07	1.01E-07	6.42E-07	9.90E-08	1.50E-07	1.50E-06
2863	489799.7	3859348	5.58E-03	6.00E-03	9.36E-03	1.93E-06	5.83E-06	3.37E-06	3.63E-06	3.29E-06	1.50E-06	2.34E-06	0.00E+00	0.00E+00	6.21E-07	1.23E-07	7.82E-07	1.21E-07	1.81E-07	1.83E-06
2864	489819.7	3859348	5.58E-03	6.01E-03	9.36E-03	1.93E-06	5.83E-06	3.38E-06	3.64E-06	3.30E-06	1.50E-06	2.34E-06	0.00E+00	0.00E+00	6.21E-07	1.23E-07	7.83E-07	1.21E-07	1.81E-07	1.83E-06
2865	489799.7	3859368	5.45E-03	5.87E-03	9.15E-03	1.89E-06	5.69E-06	3.30E-06	3.55E-06	3.22E-06	1.47E-06	2.29E-06	0.00E+00	0.00E+00	6.07E-07	1.20E-07	7.65E-07	1.18E-07	1.77E-07	1.79E-06
2866	489819.7	3859368	5.46E-03	5.87E-03	9.16E-03	1.89E-06	5.70E-06	3.30E-06	3.55E-06	3.22E-06	1.47E-06	2.29E-06	0.00E+00	0.00E+00	6.07E-07	1.21E-07	7.66E-07	1.18E-07	1.78E-07	1.79E-06
2867	489775.4	3859330	5.69E-03	6.12E-03	9.53E-03	1.97E-06	5.95E-06	3.44E-06	3.70E-06	3.36E-06	1.53E-06	2.39E-06	0.00E+00	0.00E+00	6.33E-07	1.26E-07	7.98E-07	1.23E-07	1.85E-07	1.86E-06
2868	489795.4	3859330	5.69E-03	6.13E-03	9.54E-03	1.97E-06	5.95E-06	3.44E-06	3.71E-06	3.36E-06	1.53E-06	2.39E-06	0.00E+00	0.00E+00	6.34E-07	1.26E-07	7.99E-07	1.23E-07	1.85E-07	1.87E-06
2869	489775.4	3859350	5.56E-03	5.98E-03	9.32E-03	1.92E-06	5.81E-06	3.36E-06	3.62E-06	3.28E-06	1.50E-06	2.33E-06	0.00E+00	0.00E+00	6.19E-07	1.23E-07	7.80E-07	1.20E-07	1.81E-07	1.82E-06
2870	489795.4	3859350	5.57E-03	5.99E-03	9.34E-03	1.93E-06	5.82E-06	3.37E-06	3.63E-06	3.29E-06	1.50E-06	2.34E-06	0.00E+00	0.00E+00	6.20E-07	1.23E-07	7.81E-07	1.20E-07	1.81E-07	1.82E-06
2871	489595.1	3859219	6.47E-03	6.96E-03	1.08E-02	2.24E-06	6.76E-06	3.91E-06	4.21E-06	3.82E-06	1.74E-06	2.69E-06	0.00E+00	0.00E+00	7.20E-07	1.43E-07	9.07E-07	1.40E-07	2.09E-07	2.12E-06
2872	489615.1	3859219	6.47E-03	6.96E-03	1.08E-02	2.24E-06	6.77E-06	3.92E-06	4.21E-06	3.82E-06	1.74E-06	2.70E-06	0.00E+00	0.00E+00	7.21E-07	1.43E-07	9.07E-07	1.40E-07	2.09E-07	2.12E-06
2873	489595.1	3859239	6.30E-03	6.78E-03	1.05E-02	2.18E-06	6.59E-06	3.81E-06	4.10E-06	3.72E-06	1.70E-06	2.63E-06	0.00E+00	0.00E+00	7.02E-07	1.39E-07	8.84E-07	1.36E-07	2.03E-07	2.06E-06
2874	489615.1	3859239	6.31E-03	6.79E-03	1.05E-02	2.18E-06	6.60E-06	3.82E-06	4.11E-06	3.72E-06	1.70E-06	2.63E-06	0.00E+00	0.00E+00	7.02E-07	1.39E-07	8.85E-07	1.36E-07	2.04E-07	2.07E-06
2875	489372.4	3859093	7.75E-03	8.32E-03	1.27E-02	2.68E-06	8.10E-06	4.69E-06	5.04E-06	4.57E-06	2.08E-06	3.18E-06	0.00E+00	0.00E+00	8.63E-07	1.71E-07	1.08E-06	1.67E-07	2.46E-07	2.53E-06
2876	489422.4	3859093	7.73E-03	8.30E-03	1.27E-02	2.68E-06	8.08E-06	4.68E-06	5.02E-06	4.55E-06	2.08E-06	3.18E-06	0.00E+00	0.00E+00	8.61E-07	1.71E-07	1.08E-06	1.67E-07	2.46E-07	2.53E-06
2877	489372.4	3859143	7.17E-03	7.70E-03	1.18E-02	2.48E-06	7.50E-06	4.34E-06	4.66E-06	4.22E-06	1.93E-06	2.95E-06	0.00E+00	0.00E+00	7.98E-07	1.58E-07	1.00E-06	1.55E-07	2.29E-07	2.34E-06
2878	489422.4	3859143	7.18E-03	7.71E-03	1.18E-02	2.48E-06	7.50E-06	4.34E-06	4.66E-06	4.23E-06	1.93E-06	2.96E-06	0.00E+00	0.00E+00	7.99E-07	1.58E-07	1.00E-06	1.55E-07	2.29E-07	2.35E-06
2879	488870.8	3858667	1.76E-02	1.88E-02	2.73E-02	6.10E-06	1.84E-05	1.07E-05	1.14E-05	1.03E-05	4.71E-06	6.83E-06	0.00E+00	0.00E+00	1.96E-06	3.86E-07	2.45E-06	3.78E-07	5.29E-07	5.71E-06
2880	488900.8	3858667	1.73E-02	1.84E-02	2.69E-02	5.98E-06	1.81E-05	1.04E-05	1.12E-05	1.01E-05	4.61E-06	6.73E-06	0.00E+00	0.00E+00	1.92E-06	3.79E-07	2.40E-06	3.70E-07	5.21E-07	5.59E-06
2881	488870.8	3858697	1.75E-02	1.86E-02	2.66E-02	6.06E-06	1.83E-05	1.06E-05	1.13E-05	1.02E-05	4.66E-06	6.66E-06	0.00E+00	0.00E+00	1.95E-06	3.83E-07	2.43E-06	3.74E-07	5.15E-07	5.65E-06
2882	488900.8	3858697	1.71E-02	1.82E-02	2.62E-02	5.92E-06	1.79E-05	1.03E-05	1.10E-05	9.99E-06	4.56E-06	6.55E-06	0.00E+00	0.00E+00	1.90E-06	3.74E-07	2.37E-06	3.66E-07	5.07E-07	5.52E-06
2883	488889.7	3858684	1.73E-02	1.84E-02	2.66E-02	5.99E-06	1.81E-05	1.05E-05	1.12E-05	1.01E-05	4.61E-06	6.66E-06	0.00E+00	0.00E+00	1.93E-06	3.79E-07	2.40E-06	3.70E-07	5.16E-07	5.59E-06
2884	488919.7	3858684	1.69E-02	1.81E-02	2.62E-02	5.86E-06	1.77E-05	1.02E-05	1.09E-05	9.90E-06	4.52E-06	6.56E-06	0.00E+00	0.00E+00	1.88E-06	3.71E-07	2.35E-06	3.63E-07	5.08E-07	5.48E-06
2885	488889.7	3858714	1.72E-02	1.83E-02	2.60E-02	5.96E-06	1.80E-05	1.04E-05	1.11E-05	1.00E-05	4.58E-06	6.50E-06	0.00E+00	0.00E+00	1.92E-06	3.76E-07	2.39E-06	3.68E-07	5.04E-07	5.55E-06
2886	488919.7	3858714	1.68E-02	1.79E-02	2.56E-02	5.82E-06	1.76E-05	1.02E-05	1.08E-05	9.81E-06	4.48E-06	6.39E-06	0.00E+00	0.00E+00	1.87E-06	3.67E-07	2.33E-06	3.59E-07	4.95E-07	5.42E-06
2887	488906.6	3858703	1.70E-02	1.81E-02	2.59E-02	5.88E-06	1.78E-05	1.03E-05	1.10E-05	9.93E-06	4.53E-06	6.49E-06	0.00E+00	0.00E+00	1.89E-06	3.72E-07	2.36E-06	3.64E-07	5.03E-07	5.49E-06
2888	488936.6	3858703	1.66E-02	1.77E-02	2.55E-02	5.76E-06	1.74E-05	1.01E-05	1.07E-05	9.72E-06	4.44E-06	6.39E-06	0.00E+00	0.00E+00	1.85E-06	3.64E-07	2.31E-06	3.56E-07	4.95E-07	5.38E-06
2889	488906.6	3858733	1.70E-02	1.80E-02	2.54E-02	5.88E-06	1.78E-05	1.03E-05	1.09E-05	9.90E-06	4.52E-06	6.36E-06	0.00E+00	0.00E+00	1.89E-06	3.71E-07	2.35E-06	3.63E-07	4.93E-07	5.47E-06
2890	488936.6	3858733	1.66E-02	1.76E-02	2.50E-02	5.73E-06	1.73E-05	1.00E-05	1.07E-05	9.66E-06	4.41E-06	6.25E-06	0.00E+00	0.00E+00	1.84E-06	3.62E-07	2.29E-06	3.54E-07	4.84E-07	5.34E-06
2891	488637.6	3858468	2.47E-02	2.66E-02	4.13E-02	8.57E-06	2.59E-05	1.50E-05	1.61E-05	1.46E-05	6.66E-06	1.03E-05	0.00E+00	0.00E+00	2.75E-06	5.47E-07	3.47E-06	5.35E-07	8.01E-07	8.11E-06
2892	488662.6	3858468	2.42E-02	2.61E-02	4.05E-02	8.38E-06	2.53E-05	1.46E-05	1.58E-05	1.43E-05	6.52E-06	1.01E-05	0.00E+00	0.00E+00	2.69E-06	5.35E-07	3.40E-06	5.24E-07	7.84E-07	7.93E-06
2893	488637.6	3858493	2.40E-02	2.58E-02	3.96E-02	8.30E-06	2.51E-05	1.45E-05	1.56E-05	1.41E-05	6.45E-06	9.92E-06	0.00E+00	0.00E+00	2.67E-06	5.29E-07	3.36E-06	5.18E-07	7.68E-07	7.84E-06
2894	488662.6	3858493	2.35E-02	2.52E-02	3.89E-02	8.13E-06	2.46E-05	1.42E-05	1.53E-05	1.38E-05	6.32E-06	9.72E-06	0.00E+00	0.00E+00	2.61E-06	5.19E-07	3.29E-06	5.07E-07	7.53E-07	7.68E-06
2895	488687.6	3858493	2.30E-02	2.48E-02	3.82E-02	7.97E-06	2.41E-05	1.39E-05	1.50E-05	1.36E-05	6.20E-06	9.55E-06	0.00E+00	0.00E+00	2.56E-06	5.09E-07	3.23E-06	4.98E-07	7.39E-07	7.54E-06
2896	488637.6	3858518	2.33E-02	2.50E-02	3.79E-02	8.05E-06	2.43E-05	1.41E-05	1.51E-05	1.37E-05	6.25E-06	9.50E-06	0.00E+00	0.00E+00	2.59E-06	5.13E-07	3.25E-06	5.02E-07	7.35E-07	7.59E-06
2897	488662.6	3858518	2.28E-02	2.45E-02	3.73E-02	7.90E-06	2.38E-05	1.38E-05	1.48E-05	1.34E-05	6.13E-06	9.33E-06	0.00E+00	0.00E+00	2.54E-06	5.03E-07	3.19E-06	4.92E-07	7.22E-07	7.45E-06
2898	488687.6	3858518	2.24E-02	2.40E-02	3.66E-02	7.74E-06	2.34E-05	1.35E-05	1.45E-05	1.32E-05	6.01E-06	9.17E-06	0.00E+00	0.00E+00	2.49E-06	4.93E-07	3.13E-06	4.83E-07	7.10E-07	7.31E-06
2899	488194.4	3857169	2.98E-02	3.22E-02	5.17E-02	1.03E-05	3.11E-05	1.80E-05	1.95E-05	1.77E-05	8.06E-06	1.29E-05	0.00E+00	0.00E+00	3.32E-06	6.61E-07	4.20E-06	6.47E-07	1.00E-06	9.82E-06
2900	488244.4	3857169	2.91E-02	3.15E-02	5.06E-02	1.01E-05	3.05E-05	1.76E-05	1.91E-05	1.73E-05	7.88E-06	1.27E-05	0.00E+00	0.00E+00	3.24E-06	6.47E-07	4.11E-06	6.33E-07	9.80E-07	9.61E-06

2901	488294.4	3857169	2.85E-02	3.08E-02	4.94E-02	9.86E-06	2.98E-05	1.72E-05	1.86E-05	1.69E-05	7.71E-06	1.24E-05	0.00E+00	0.00E+00	3.17E-06	6.33E-07	4.01E-06	6.19E-07	9.58E-07	9.40E-06
2902	488244.4	3857219	2.98E-02	3.22E-02	5.18E-02	1.03E-05	3.12E-05	1.80E-05	1.95E-05	1.77E-05	8.07E-06	1.30E-05	0.00E+00	0.00E+00	3.32E-06	6.62E-07	4.20E-06	6.48E-07	1.00E-06	9.84E-06
2903	488294.4	3857219	2.91E-02	3.15E-02	5.06E-02	1.01E-05	3.05E-05	1.76E-05	1.91E-05	1.73E-05	7.89E-06	1.27E-05	0.00E+00	0.00E+00	3.24E-06	6.47E-07	4.11E-06	6.33E-07	9.81E-07	9.61E-06
2904	488294.4	3857269	2.98E-02	3.22E-02	5.18E-02	1.03E-05	3.12E-05	1.80E-05	1.95E-05	1.77E-05	8.07E-06	1.30E-05	0.00E+00	0.00E+00	3.32E-06	6.62E-07	4.20E-06	6.48E-07	1.00E-06	9.84E-06
2905	488139.1	3857112	2.97E-02	3.21E-02	5.15E-02	1.03E-05	3.10E-05	1.80E-05	1.94E-05	1.76E-05	8.03E-06	1.29E-05	0.00E+00	0.00E+00	3.31E-06	6.59E-07	4.18E-06	6.45E-07	9.98E-07	9.79E-06
2906	488189.1	3857112	2.91E-02	3.14E-02	5.04E-02	1.01E-05	3.04E-05	1.76E-05	1.90E-05	1.72E-05	7.87E-06	1.26E-05	0.00E+00	0.00E+00	3.24E-06	6.45E-07	4.10E-06	6.32E-07	9.77E-07	9.59E-06
2907	488189.1	3857162	2.98E-02	3.22E-02	5.16E-02	1.03E-05	3.11E-05	1.80E-05	1.95E-05	1.76E-05	8.05E-06	1.29E-05	0.00E+00	0.00E+00	3.31E-06	6.61E-07	4.19E-06	6.47E-07	1.00E-06	9.81E-06
2908	487951	3856961	2.96E-02	3.20E-02	5.12E-02	1.02E-05	3.09E-05	1.79E-05	1.93E-05	1.75E-05	8.00E-06	1.28E-05	0.00E+00	0.00E+00	3.29E-06	6.56E-07	4.17E-06	6.42E-07	9.92E-07	9.75E-06
2909	488001	3856961	2.90E-02	3.13E-02	5.01E-02	1.00E-05	3.03E-05	1.75E-05	1.89E-05	1.72E-05	7.84E-06	1.25E-05	0.00E+00	0.00E+00	3.23E-06	6.43E-07	4.08E-06	6.29E-07	9.72E-07	9.55E-06
2910	488051	3856961	2.83E-02	3.06E-02	4.90E-02	9.81E-06	2.96E-05	1.71E-05	1.85E-05	1.68E-05	7.67E-06	1.23E-05	0.00E+00	0.00E+00	3.15E-06	6.29E-07	3.99E-06	6.16E-07	9.50E-07	9.34E-06
2911	488101	3856961	2.79E-02	3.01E-02	4.82E-02	9.65E-06	2.91E-05	1.69E-05	1.82E-05	1.65E-05	7.54E-06	1.21E-05	0.00E+00	0.00E+00	3.10E-06	6.19E-07	3.93E-06	6.05E-07	9.34E-07	9.19E-06
2912	487951	3857011	3.05E-02	3.29E-02	5.28E-02	1.05E-05	3.19E-05	1.84E-05	1.99E-05	1.81E-05	8.24E-06	1.32E-05	0.00E+00	0.00E+00	3.39E-06	6.76E-07	4.29E-06	6.62E-07	1.02E-06	1.00E-05
2913	488001	3857011	2.98E-02	3.22E-02	5.15E-02	1.03E-05	3.11E-05	1.80E-05	1.95E-05	1.76E-05	8.05E-06	1.29E-05	0.00E+00	0.00E+00	3.31E-06	6.60E-07	4.19E-06	6.46E-07	9.98E-07	9.81E-06
2914	488051	3857011	2.91E-02	3.14E-02	5.04E-02	1.01E-05	3.04E-05	1.76E-05	1.90E-05	1.72E-05	7.87E-06	1.26E-05	0.00E+00	0.00E+00	3.24E-06	6.46E-07	4.10E-06	6.32E-07	9.76E-07	9.59E-06
2915	488101	3857011	2.86E-02	3.09E-02	4.95E-02	9.89E-06	2.99E-05	1.73E-05	1.87E-05	1.69E-05	7.73E-06	1.24E-05	0.00E+00	0.00E+00	3.18E-06	6.34E-07	4.03E-06	6.21E-07	9.59E-07	9.42E-06
2916	488001	3857061	3.06E-02	3.31E-02	5.30E-02	1.06E-05	3.20E-05	1.85E-05	2.00E-05	1.81E-05	8.28E-06	1.33E-05	0.00E+00	0.00E+00	3.41E-06	6.79E-07	4.31E-06	6.65E-07	1.03E-06	1.01E-05
2917	488051	3857061	2.99E-02	3.24E-02	5.18E-02	1.04E-05	3.13E-05	1.81E-05	1.96E-05	1.77E-05	8.10E-06	1.30E-05	0.00E+00	0.00E+00	3.33E-06	6.64E-07	4.22E-06	6.50E-07	1.00E-06	9.87E-06
2918	488101	3857061	2.93E-02	3.17E-02	5.08E-02	1.02E-05	3.07E-05	1.77E-05	1.92E-05	1.74E-05	7.93E-06	1.27E-05	0.00E+00	0.00E+00	3.26E-06	6.51E-07	4.13E-06	6.37E-07	9.84E-07	9.67E-06
2919	487639	3856674	2.80E-02	3.02E-02	4.83E-02	9.69E-06	2.92E-05	1.69E-05	1.83E-05	1.66E-05	7.57E-06	1.21E-05	0.00E+00	0.00E+00	3.11E-06	6.21E-07	3.94E-06	6.08E-07	9.36E-07	9.22E-06
2920	487689	3856674	2.75E-02	2.97E-02	4.75E-02	9.52E-06	2.87E-05	1.66E-05	1.80E-05	1.63E-05	7.43E-06	1.19E-05	0.00E+00	0.00E+00	3.06E-06	6.10E-07	3.87E-06	5.97E-07	9.20E-07	9.06E-06
2921	487639	3856724	2.89E-02	3.13E-02	5.00E-02	1.00E-05	3.03E-05	1.75E-05	1.89E-05	1.72E-05	7.83E-06	1.25E-05	0.00E+00	0.00E+00	3.22E-06	6.42E-07	4.08E-06	6.29E-07	9.69E-07	9.54E-06
2922	487689	3856724	2.84E-02	3.07E-02	4.91E-02	9.83E-06	2.97E-05	1.72E-05	1.86E-05	1.68E-05	7.68E-06	1.23E-05	0.00E+00	0.00E+00	3.16E-06	6.30E-07	4.00E-06	6.17E-07	9.51E-07	9.36E-06
2923	486324.6	3855741	2.30E-02	2.48E-02	3.92E-02	7.96E-06	2.40E-05	1.39E-05	1.50E-05	1.36E-05	6.21E-06	9.82E-06	0.00E+00	0.00E+00	2.56E-06	5.09E-07	3.23E-06	4.98E-07	7.60E-07	7.56E-06
2924	486374.6	3855741	2.18E-02	2.35E-02	3.72E-02	7.54E-06	2.28E-05	1.32E-05	1.42E-05	1.29E-05	5.88E-06	9.31E-06	0.00E+00	0.00E+00	2.43E-06	4.83E-07	3.06E-06	4.72E-07	7.21E-07	7.17E-06
2925	486424.6	3855741	2.12E-02	2.28E-02	3.61E-02	7.32E-06	2.21E-05	1.28E-05	1.38E-05	1.25E-05	5.71E-06	9.04E-06	0.00E+00	0.00E+00	2.36E-06	4.69E-07	2.97E-06	4.59E-07	7.00E-07	6.96E-06
2926	486324.6	3855791	2.38E-02	2.57E-02	4.07E-02	8.24E-06	2.49E-05	1.44E-05	1.55E-05	1.41E-05	6.43E-06	1.02E-05	0.00E+00	0.00E+00	2.65E-06	5.27E-07	3.35E-06	5.16E-07	7.88E-07	7.83E-06
2927	486374.6	3855791	2.27E-02	2.44E-02	3.87E-02	7.84E-06	2.37E-05	1.37E-05	1.48E-05	1.34E-05	6.12E-06	9.69E-06	0.00E+00	0.00E+00	2.52E-06	5.02E-07	3.19E-06	4.91E-07	7.50E-07	7.45E-06
2928	486424.6	3855791	2.22E-02	2.39E-02	3.79E-02	7.68E-06	2.32E-05	1.34E-05	1.45E-05	1.31E-05	5.99E-06	9.49E-06	0.00E+00	0.00E+00	2.47E-06	4.92E-07	3.12E-06	4.81E-07	7.35E-07	7.30E-06
2929	486324.6	3855841	2.46E-02	2.66E-02	4.21E-02	8.52E-06	2.57E-05	1.49E-05	1.61E-05	1.46E-05	6.65E-06	1.05E-05	0.00E+00	0.00E+00	2.74E-06	5.46E-07	3.46E-06	5.34E-07	8.16E-07	8.10E-06
2930	486374.6	3855841	2.40E-02	2.59E-02	4.11E-02	8.31E-06	2.51E-05	1.45E-05	1.57E-05	1.42E-05	6.48E-06	1.03E-05	0.00E+00	0.00E+00	2.67E-06	5.32E-07	3.38E-06	5.21E-07	7.96E-07	7.90E-06
2931	486424.6	3855841	2.33E-02	2.51E-02	3.98E-02	8.06E-06	2.43E-05	1.41E-05	1.52E-05	1.38E-05	6.29E-06	9.96E-06	0.00E+00	0.00E+00	2.59E-06	5.16E-07	3.27E-06	5.05E-07	7.72E-07	7.66E-06
2932	486324.6	3855891	2.60E-02	2.81E-02	4.46E-02	9.02E-06	2.72E-05	1.58E-05	1.70E-05	1.54E-05	7.04E-06	1.12E-05	0.00E+00	0.00E+00	2.90E-06	5.77E-07	3.66E-06	5.65E-07	8.65E-07	8.57E-06
2933	486374.6	3855891	2.53E-02	2.73E-02	4.33E-02	8.76E-06	2.64E-05	1.53E-05	1.65E-05	1.50E-05	6.83E-06	1.08E-05	0.00E+00	0.00E+00	2.82E-06	5.61E-07	3.56E-06	5.49E-07	8.40E-07	8.32E-06
2934	486424.6	3855891	2.44E-02	2.64E-02	4.19E-02	8.46E-06	2.55E-05	1.48E-05	1.60E-05	1.45E-05	6.60E-06	1.05E-05	0.00E+00	0.00E+00	2.72E-06	5.42E-07	3.44E-06	5.30E-07	8.11E-07	8.04E-06
2935	488735.7	3858286	2.71E-02	2.93E-02	4.70E-02	9.40E-06	2.84E-05	1.64E-05	1.78E-05	1.61E-05	7.34E-06	1.18E-05	0.00E+00	0.00E+00	3.02E-06	6.02E-07	3.82E-06	5.90E-07	9.10E-07	8.95E-06
2936	488765.7	3858286	2.65E-02	2.86E-02	4.58E-02	9.16E-06	2.77E-05	1.60E-05	1.73E-05	1.57E-05	7.16E-06	1.15E-05	0.00E+00	0.00E+00	2.95E-06	5.87E-07	3.73E-06	5.75E-07	8.87E-07	8.72E-06
2937	488735.7	3858316	2.66E-02	2.87E-02	4.59E-02	9.21E-06	2.78E-05	1.61E-05	1.74E-05	1.58E-05	7.19E-06	1.15E-05	0.00E+00	0.00E+00	2.96E-06	5.90E-07	3.75E-06	5.78E-07	8.90E-07	8.77E-06
2938	488765.7	3858316	2.59E-02	2.80E-02	4.48E-02	8.98E-06	2.71E-05	1.57E-05	1.70E-05	1.54E-05	7.01E-06	1.12E-05	0.00E+00	0.00E+00	2.89E-06	5.76E-07	3.65E-06	5.63E-07	8.68E-07	8.55E-06
2939	478676.6	3849872	6.40E-04	6.90E-04	1.09E-03	2.21E-07	6.69E-07	3.87E-07	4.18E-07	3.79E-07	1.73E-07	2.73E-07	0.00E+00	0.00E+00	7.12E-08	1.42E-08	9.00E-08	1.39E-08	2.12E-08	2.10E-07
2940	479326.6	3849872	6.10E-04	6.58E-04	1.04E-03	2.11E-07	6.37E-07	3.69E-07	3.98E-07	3.61E-07	1.65E-07	2.61E-07	0.00E+00	0.00E+00	6.79E-08	1.35E-08	8.57E-08	1.32E-08	2.02E-08	2.01E-07
2941	479376.6	3849872	5.99E-04	6.47E-04	1.02E-03	2.07E-07	6.27E-07	3.63E-07	3.91E-07	3.55E-07	1.62E-07	2.56E-07	0.00E+00	0.00E+00	6.67E-08	1.33E-08	8.43E-08	1.30E-08	1.98E-08	1.97E-07
2942	479426.6	3849872	5.92E-04	6.39E-04	1.01E-03	2.05E-07	6.19E-07	3.58E-07	3.86E-07	3.50E-07	1.60E-07	2.53E-07	0.00E+00	0.00E+00	6.59E-08	1.31E-08	8.32E-08	1.28E-08	1.96E-08	1.95E-07
2943	478726.6	3849922	6.51E-04	7.02E-04	1.11E-03	2.25E-07	6.80E-07	3.94E-07	4.25E-07	3.85E-07	1.76E-07	2.78E-07	0.00E+00	0.00E+00	7.24E-08	1.44E-08	9.15E-08	1.41E-08	2.15E-08	2.14E-07
2944	478776.6	3849922	6.60E-04	7.12E-04	1.13E-03	2.29E-07	6.90E-07	3.99E-07	4.31E-07	3.91E-07	1.78E-07	2.82E-07	0.00E+00	0.00E+00	7.35E-08	1.46E-08	9.28E-08	1.43E-08	2.19E-08	2.17E-07
2945	478826.6	3849922	6.67E-04	7.20E-04	1.14E-03	2.31E-07	6.97E-07	4.04E-07	4.36E-07	3.95E-07	1.80E-07	2.85E-07	0.00E+00	0.00E+00	7.43E-08	1.48E-08	9.38E-08	1.45E-08	2.21E-08	2.19E-07
2946	478976.6	3849922	6.78E-04	7.31E-04	1.16E-03	2.35E-07	7.08E-07	4.10E-07	4.42E-07	4.01E-07	1.83E-07	2.90E-07	0.00E+00	0.00E+00	7.54E-08	1.50E-08	9.53E-08	1.47E-08	2.24E-08	2.23E-07
2947	479026.6	3849922	6.83E-04	7.37E-04	1.17E-03	2.36E-07	7.13E-07	4.13E-07	4.46E-07	4.04E-07	1.84E-07	2.92E-07	0.00E+00	0.00E+00	7.60E-08	1.51E-08	9.60E-08	1.48E-08	2.26E-08	2.25E-07
2948	479076.6	3849922	6.82E-04	7.36E-04	1.17E-03	2.36E-07	7.13E-07	4.13E-07	4.45E-07	4.04E-07	1.84E-07	2.92E-07	0.00E+00	0.00E+00	7.59E-08	1.51E-08	9.59E-08	1.48E-08	2.26E-08	2.24E-07
2949	479126.6	3849922	6.79E-04	7.32E-04	1.16E-03	2.35E-07	7.09E-07	4.11E-07	4.43E-07	4.02E-07	1.83E-07	2.90E-07	0.00E+00	0.00E+00	7.56E-08	1.50E-08	9.55E-08	1.47E-08	2.25E-08	2.23E-07
2950	479176.6	3849922	6.76E-04	7.30E-04	1.16E-03	2.34E-07	7.07E-07	4.09E-07	4.42E-07	4.00E-07	1.83E-07	2.89E-07	0.00E+00	0.00E+00	7.53E-08	1.50E-08	9.51E-08	1.47E-08	2.24E-08	2.22E-07
2951	479226.6	3849922	6.62E-04	7.14E-04	1.13E-03	2.29E-07	6.92E-07	4.01E-07	4.32E-07	3.92E-07	1.79E-07	2.83E-07	0.00E+00	0.00E+00	7.37E-08	1.47E-08	9.31E-08	1.44E-08	2.19E-08	2.18E-07
2952	479276.6	3849922	6.37E-04	6.87E-04	1.09E-03	2.20E-07	6.66E-07	3.85E-07	4.16E-07	3.77E-07	1.72E-07	2.72E-07	0.00E+00	0.00E+00	7.09E-08	1.41E-08	8.96E-08	1.38E-08	2.11E-08	2.09E-07
2953	479326.6	3849922	6.49E-04	7.00E-04	1.11E-03	2.25E-07	6.78E-07	3.93E-07	4.24E-07	3.84E-07	1.75E-07	2.77E-07	0.00E+00	0.00E+00	7.22E-08	1.44E-08	9.12E-08	1.41E-08	2.15E-08	2.13E-07
2954	479376.6	3849922	6.22E-04	6.71E-04	1.06E-03	2.15E-07	6.50E-07	3.76E-07	4.06E-07	3.68E-07	1.68E-07	2.66E-07	0.00E+00	0.00E+00	6.92E-08	1.38E-08	8.74E-08	1.35E-08	2.06E-08	2.04E-07
2955	479426.6	3849922	6.25E-04	6.74E-04	1.07E-03	2.16E-07	6.53E-07	3.78E-07	4.08E-07	3.70E-07	1.69E-07	2.67E-07	0.00E+00	0.00E+00	6.96E-08	1.38E-08	8.78E-08	1.35E-08	2.07E-08	2.05E-07
2956	478726.6	3849972	6.50E-04	7.01E-04	1.11E-03	2.25E-07	6.80E-07	3.93E-07	4.24E-07	3.85E-07	1.76E-07	2.78E-07	0.00E+00	0.00E+00	7.24E-08	1.44E-08	9.14E-08	1.41E-08	2.15E-08	2.14E-07
2957	478776.6	3849972	6.61E-04	7.13E-04	1.13E-03	2.29E-07	6.91E-07	4.00E-07	4.32E-07	3.91E-07	1.78E-07	2.83E-07	0.00E+00	0.00E+00	7.36E-08	1.46E-08	9.29E-08	1.43E-08	2.19E-08	2.17E-07

2958	478826.6	3849972	6.70E-04	7.23E-04	1.15E-03	2.32E-07	7.01E-07	4.06E-07	4.38E-07	3.97E-07	1.81E-07	2.87E-07	0.00E+00	0.00E+00	7.46E-08	1.49E-08	9.42E-08	1.45E-08	2.22E-08	2.20E-07
2959	478976.6	3849972	6.92E-04	7.47E-04	1.18E-03	2.40E-07	7.24E-07	4.19E-07	4.52E-07	4.10E-07	1.87E-07	2.96E-07	0.00E+00	0.00E+00	7.71E-08	1.53E-08	9.74E-08	1.50E-08	2.29E-08	2.28E-07
2960	479026.6	3849972	6.94E-04	7.49E-04	1.19E-03	2.40E-07	7.26E-07	4.20E-07	4.53E-07	4.11E-07	1.87E-07	2.97E-07	0.00E+00	0.00E+00	7.73E-08	1.54E-08	9.76E-08	1.51E-08	2.30E-08	2.28E-07
2961	479076.6	3849972	6.94E-04	7.49E-04	1.19E-03	2.40E-07	7.25E-07	4.20E-07	4.53E-07	4.11E-07	1.87E-07	2.97E-07	0.00E+00	0.00E+00	7.73E-08	1.54E-08	9.76E-08	1.50E-08	2.30E-08	2.28E-07
2962	479126.6	3849972	6.94E-04	7.49E-04	1.19E-03	2.40E-07	7.25E-07	4.20E-07	4.53E-07	4.11E-07	1.87E-07	2.97E-07	0.00E+00	0.00E+00	7.72E-08	1.54E-08	9.76E-08	1.50E-08	2.30E-08	2.28E-07
2963	479176.6	3849972	6.91E-04	7.46E-04	1.18E-03	2.39E-07	7.22E-07	4.18E-07	4.51E-07	4.09E-07	1.87E-07	2.96E-07	0.00E+00	0.00E+00	7.69E-08	1.53E-08	9.72E-08	1.50E-08	2.29E-08	2.27E-07
2964	479226.6	3849972	6.64E-04	7.16E-04	1.13E-03	2.30E-07	6.94E-07	4.02E-07	4.33E-07	3.93E-07	1.79E-07	2.84E-07	0.00E+00	0.00E+00	7.39E-08	1.47E-08	9.34E-08	1.44E-08	2.20E-08	2.18E-07
2965	479276.6	3849972	6.74E-04	7.27E-04	1.15E-03	2.33E-07	7.05E-07	4.08E-07	4.40E-07	3.99E-07	1.82E-07	2.88E-07	0.00E+00	0.00E+00	7.50E-08	1.49E-08	9.48E-08	1.46E-08	2.23E-08	2.22E-07
2966	479326.6	3849972	6.78E-04	7.31E-04	1.16E-03	2.35E-07	7.08E-07	4.10E-07	4.43E-07	4.01E-07	1.83E-07	2.90E-07	0.00E+00	0.00E+00	7.55E-08	1.50E-08	9.53E-08	1.47E-08	2.24E-08	2.23E-07
2967	479376.6	3849972	6.53E-04	7.04E-04	1.11E-03	2.26E-07	6.82E-07	3.95E-07	4.26E-07	3.86E-07	1.76E-07	2.79E-07	0.00E+00	0.00E+00	7.26E-08	1.45E-08	9.18E-08	1.42E-08	2.16E-08	2.15E-07
2968	479426.6	3849972	6.48E-04	7.00E-04	1.11E-03	2.24E-07	6.78E-07	3.92E-07	4.23E-07	3.84E-07	1.75E-07	2.77E-07	0.00E+00	0.00E+00	7.22E-08	1.44E-08	9.12E-08	1.41E-08	2.15E-08	2.13E-07
2969	478726.6	3850022	6.48E-04	6.99E-04	1.11E-03	2.24E-07	6.77E-07	3.92E-07	4.23E-07	3.83E-07	1.75E-07	2.77E-07	0.00E+00	0.00E+00	7.21E-08	1.44E-08	9.11E-08	1.40E-08	2.14E-08	2.13E-07
2970	478776.6	3850022	6.60E-04	7.12E-04	1.13E-03	2.29E-07	6.90E-07	4.00E-07	4.31E-07	3.91E-07	1.78E-07	2.82E-07	0.00E+00	0.00E+00	7.35E-08	1.46E-08	9.28E-08	1.43E-08	2.18E-08	2.17E-07
2971	478826.6	3850022	6.72E-04	7.25E-04	1.15E-03	2.33E-07	7.02E-07	4.06E-07	4.39E-07	3.98E-07	1.81E-07	2.87E-07	0.00E+00	0.00E+00	7.48E-08	1.49E-08	9.44E-08	1.46E-08	2.22E-08	2.21E-07
2972	478976.6	3850022	6.99E-04	7.54E-04	1.19E-03	2.42E-07	7.31E-07	4.23E-07	4.56E-07	4.14E-07	1.89E-07	2.99E-07	0.00E+00	0.00E+00	7.78E-08	1.55E-08	9.83E-08	1.52E-08	2.32E-08	2.30E-07
2973	478726.6	3850072	6.44E-04	6.95E-04	1.10E-03	2.23E-07	6.73E-07	3.90E-07	4.20E-07	3.81E-07	1.74E-07	2.75E-07	0.00E+00	0.00E+00	7.17E-08	1.43E-08	9.05E-08	1.40E-08	2.13E-08	2.12E-07
2974	478776.6	3850072	6.58E-04	7.10E-04	1.12E-03	2.28E-07	6.88E-07	3.98E-07	4.30E-07	3.90E-07	1.78E-07	2.81E-07	0.00E+00	0.00E+00	7.33E-08	1.46E-08	9.26E-08	1.43E-08	2.18E-08	2.17E-07
2975	478826.6	3850072	6.72E-04	7.24E-04	1.15E-03	2.32E-07	7.02E-07	4.06E-07	4.38E-07	3.97E-07	1.81E-07	2.87E-07	0.00E+00	0.00E+00	7.47E-08	1.49E-08	9.44E-08	1.46E-08	2.22E-08	2.21E-07
2976	478876.6	3850072	6.84E-04	7.38E-04	1.17E-03	2.37E-07	7.14E-07	4.14E-07	4.46E-07	4.05E-07	1.85E-07	2.92E-07	0.00E+00	0.00E+00	7.61E-08	1.51E-08	9.61E-08	1.48E-08	2.26E-08	2.25E-07
2977	478976.6	3850072	7.04E-04	7.60E-04	1.20E-03	2.44E-07	7.36E-07	4.26E-07	4.60E-07	4.17E-07	1.90E-07	3.01E-07	0.00E+00	0.00E+00	7.84E-08	1.56E-08	9.90E-08	1.53E-08	2.33E-08	2.32E-07
2978	478726.6	3850122	6.39E-04	6.89E-04	1.09E-03	2.21E-07	6.68E-07	3.86E-07	4.17E-07	3.78E-07	1.72E-07	2.72E-07	0.00E+00	0.00E+00	7.11E-08	1.41E-08	8.98E-08	1.38E-08	2.11E-08	2.10E-07
2979	478776.6	3850122	6.55E-04	7.07E-04	1.12E-03	2.27E-07	6.85E-07	3.96E-07	4.28E-07	3.88E-07	1.77E-07	2.80E-07	0.00E+00	0.00E+00	7.29E-08	1.45E-08	9.21E-08	1.42E-08	2.16E-08	2.15E-07
2980	478826.6	3850122	6.70E-04	7.22E-04	1.14E-03	2.32E-07	7.00E-07	4.05E-07	4.37E-07	3.96E-07	1.81E-07	2.86E-07	0.00E+00	0.00E+00	7.45E-08	1.48E-08	9.41E-08	1.45E-08	2.21E-08	2.20E-07
2981	478876.6	3850122	6.83E-04	7.36E-04	1.17E-03	2.36E-07	7.14E-07	4.13E-07	4.46E-07	4.04E-07	1.84E-07	2.92E-07	0.00E+00	0.00E+00	7.60E-08	1.51E-08	9.60E-08	1.48E-08	2.26E-08	2.24E-07
2982	478976.6	3850122	7.07E-04	7.63E-04	1.21E-03	2.45E-07	7.39E-07	4.28E-07	4.62E-07	4.19E-07	1.91E-07	3.02E-07	0.00E+00	0.00E+00	7.88E-08	1.57E-08	9.95E-08	1.53E-08	2.34E-08	2.33E-07
2983	479026.6	3850122	7.17E-04	7.74E-04	1.23E-03	2.48E-07	7.50E-07	4.34E-07	4.68E-07	4.24E-07	1.94E-07	3.07E-07	0.00E+00	0.00E+00	7.98E-08	1.59E-08	1.01E-07	1.56E-08	2.37E-08	2.36E-07
2984	479076.6	3850122	7.24E-04	7.81E-04	1.24E-03	2.51E-07	7.57E-07	4.38E-07	4.73E-07	4.28E-07	1.95E-07	3.10E-07	0.00E+00	0.00E+00	8.06E-08	1.60E-08	1.02E-07	1.57E-08	2.40E-08	2.38E-07
2985	479126.6	3850122	7.29E-04	7.87E-04	1.25E-03	2.52E-07	7.62E-07	4.41E-07	4.76E-07	4.31E-07	1.97E-07	3.12E-07	0.00E+00	0.00E+00	8.11E-08	1.62E-08	1.03E-07	1.58E-08	2.41E-08	2.40E-07
2986	478776.6	3850172	6.49E-04	7.01E-04	1.11E-03	2.25E-07	6.79E-07	3.93E-07	4.24E-07	3.84E-07	1.75E-07	2.77E-07	0.00E+00	0.00E+00	7.23E-08	1.44E-08	9.13E-08	1.41E-08	2.14E-08	2.13E-07
2987	478826.6	3850172	6.65E-04	7.18E-04	1.13E-03	2.30E-07	6.96E-07	4.03E-07	4.34E-07	3.94E-07	1.80E-07	2.84E-07	0.00E+00	0.00E+00	7.41E-08	1.47E-08	9.35E-08	1.44E-08	2.20E-08	2.19E-07
2988	478876.6	3850172	6.80E-04	7.34E-04	1.16E-03	2.36E-07	7.11E-07	4.12E-07	4.44E-07	4.03E-07	1.84E-07	2.90E-07	0.00E+00	0.00E+00	7.57E-08	1.51E-08	9.56E-08	1.47E-08	2.25E-08	2.24E-07
2989	478976.6	3850172	7.09E-04	7.64E-04	1.21E-03	2.45E-07	7.41E-07	4.29E-07	4.63E-07	4.19E-07	1.91E-07	3.03E-07	0.00E+00	0.00E+00	7.89E-08	1.57E-08	9.96E-08	1.54E-08	2.34E-08	2.33E-07
2990	479026.6	3850172	7.21E-04	7.78E-04	1.23E-03	2.49E-07	7.53E-07	4.36E-07	4.71E-07	4.27E-07	1.95E-07	3.08E-07	0.00E+00	0.00E+00	8.02E-08	1.60E-08	1.01E-07	1.56E-08	2.39E-08	2.37E-07
2991	479076.6	3850172	7.30E-04	7.87E-04	1.25E-03	2.53E-07	7.63E-07	4.41E-07	4.76E-07	4.32E-07	1.97E-07	3.12E-07	0.00E+00	0.00E+00	8.12E-08	1.62E-08	1.03E-07	1.58E-08	2.42E-08	2.40E-07
2992	479126.6	3850172	7.37E-04	7.95E-04	1.26E-03	2.55E-07	7.70E-07	4.46E-07	4.81E-07	4.36E-07	1.99E-07	3.15E-07	0.00E+00	0.00E+00	8.20E-08	1.63E-08	1.04E-07	1.60E-08	2.44E-08	2.42E-07
2993	479176.6	3850172	7.44E-04	8.03E-04	1.27E-03	2.58E-07	7.78E-07	4.50E-07	4.86E-07	4.40E-07	2.01E-07	3.18E-07	0.00E+00	0.00E+00	8.28E-08	1.65E-08	1.05E-07	1.61E-08	2.46E-08	2.45E-07
2994	479226.6	3850172	7.51E-04	8.11E-04	1.28E-03	2.60E-07	7.85E-07	4.55E-07	4.91E-07	4.45E-07	2.03E-07	3.21E-07	0.00E+00	0.00E+00	8.36E-08	1.67E-08	1.06E-07	1.63E-08	2.49E-08	2.47E-07
2995	479276.6	3850172	7.57E-04	8.17E-04	1.29E-03	2.62E-07	7.92E-07	4.58E-07	4.95E-07	4.48E-07	2.05E-07	3.24E-07	0.00E+00	0.00E+00	8.43E-08	1.68E-08	1.07E-07	1.64E-08	2.51E-08	2.49E-07
2996	479326.6	3850172	7.56E-04	8.16E-04	1.29E-03	2.62E-07	7.90E-07	4.58E-07	4.94E-07	4.48E-07	2.04E-07	3.23E-07	0.00E+00	0.00E+00	8.42E-08	1.68E-08	1.06E-07	1.64E-08	2.50E-08	2.49E-07
2997	479376.6	3850172	7.53E-04	8.12E-04	1.29E-03	2.61E-07	7.87E-07	4.56E-07	4.91E-07	4.46E-07	2.03E-07	3.22E-07	0.00E+00	0.00E+00	8.38E-08	1.67E-08	1.06E-07	1.63E-08	2.49E-08	2.48E-07
2998	478676.6	3850222	6.04E-04	6.51E-04	1.03E-03	2.09E-07	6.31E-07	3.66E-07	3.94E-07	3.57E-07	1.63E-07	2.57E-07	0.00E+00	0.00E+00	6.72E-08	1.34E-08	8.49E-08	1.31E-08	1.99E-08	1.98E-07
2999	478726.6	3850222	6.24E-04	6.73E-04	1.06E-03	2.16E-07	6.52E-07	3.78E-07	4.07E-07	3.69E-07	1.68E-07	2.66E-07	0.00E+00	0.00E+00	6.95E-08	1.38E-08	8.77E-08	1.35E-08	2.06E-08	2.05E-07
3000	478976.6	3850222	7.08E-04	7.64E-04	1.21E-03	2.45E-07	7.40E-07	4.29E-07	4.62E-07	4.19E-07	1.91E-07	3.02E-07	0.00E+00	0.00E+00	7.88E-08	1.57E-08	9.96E-08	1.54E-08	2.34E-08	2.33E-07
3001	479026.6	3850222	7.22E-04	7.79E-04	1.23E-03	2.50E-07	7.55E-07	4.37E-07	4.71E-07	4.27E-07	1.95E-07	3.08E-07	0.00E+00	0.00E+00	8.04E-08	1.60E-08	1.02E-07	1.57E-08	2.39E-08	2.37E-07
3002	479076.6	3850222	7.33E-04	7.91E-04	1.25E-03	2.54E-07	7.66E-07	4.43E-07	4.78E-07	4.34E-07	1.98E-07	3.13E-07	0.00E+00	0.00E+00	8.16E-08	1.62E-08	1.03E-07	1.59E-08	2.43E-08	2.41E-07
3003	479126.6	3850222	7.43E-04	8.01E-04	1.27E-03	2.57E-07	7.76E-07	4.49E-07	4.85E-07	4.40E-07	2.01E-07	3.18E-07	0.00E+00	0.00E+00	8.27E-08	1.65E-08	1.04E-07	1.61E-08	2.46E-08	2.44E-07
3004	479176.6	3850222	7.52E-04	8.12E-04	1.29E-03	2.60E-07	7.86E-07	4.55E-07	4.91E-07	4.45E-07	2.03E-07	3.22E-07	0.00E+00	0.00E+00	8.38E-08	1.67E-08	1.06E-07	1.63E-08	2.49E-08	2.47E-07
3005	479226.6	3850222	7.60E-04	8.20E-04	1.30E-03	2.63E-07	7.95E-07	4.60E-07	4.96E-07	4.50E-07	2.05E-07	3.25E-07	0.00E+00	0.00E+00	8.46E-08	1.69E-08	1.07E-07	1.65E-08	2.52E-08	2.50E-07
3006	479276.6	3850222	7.67E-04	8.27E-04	1.31E-03	2.65E-07	8.02E-07	4.64E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	0.00E+00	0.00E+00	8.54E-08	1.70E-08	1.08E-07	1.66E-08	2.54E-08	2.52E-07
3007	479326.6	3850222	7.68E-04	8.28E-04	1.31E-03	2.66E-07	8.02E-07	4.64E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	0.00E+00	0.00E+00	8.54E-08	1.70E-08	1.08E-07	1.66E-08	2.54E-08	2.52E-07
3008	479376.6	3850222	7.68E-04	8.28E-04	1.31E-03	2.66E-07	8.02E-07	4.65E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	0.00E+00	0.00E+00	8.55E-08	1.70E-08	1.08E-07	1.66E-08	2.54E-08	2.53E-07
3009	478676.6	3850272	5.95E-04	6.41E-04	1.01E-03	2.06E-07	6.22E-07	3.60E-07	3.88E-07	3.52E-07	1.61E-07	2.53E-07	0.00E+00	0.00E+00	6.62E-08	1.32E-08	8.36E-08	1.29E-08	1.96E-08	1.95E-07
3010	478726.6	3850272	6.15E-04	6.63E-04	1.05E-03	2.13E-07	6.43E-07	3.72E-07	4.01E-07	3.64E-07	1.66E-07	2.62E-07	0.00E+00	0.00E+00	6.85E-08	1.36E-08	8.64E-08	1.33E-08	2.03E-08	2.02E-07
3011	478976.6	3850272	7.05E-04	7.61E-04	1.20E-03	2.44E-07	7.37E-07	4.27E-07	4.60E-07	4.17E-07	1.90E-07	3.01E-07	0.00E+00	0.00E+00	7.85E-08	1.56E-08	9.91E-08	1.53E-08	2.33E-08	2.32E-07
3012	479026.6	3850272	7.21E-04	7.78E-04	1.23E-03	2.50E-07	7.54E-07	4.36E-07	4.71E-07	4.27E-07	1.95E-07	3.08E-07	0.00E+00	0.00E+00	8.03E-08	1.60E-08	1.01E-07	1.56E-08	2.38E-08	2.37E-07
3013	479076.6	3850272	7.35E-04	7.93E-04	1.25E-03	2.54E-07	7.68E-07	4.45E-07	4.80E-07	4.35E-07	1.98E-07	3.14E-07	0.00E+00	0.00E+00	8.18E-08	1.63E-08	1.03E-07	1.59E-08	2.43E-08	2.42E-07
3014	479126.6	3850272	7.47E-04	8.06E-04	1.27E-03	2.58E-07	7.80E-07	4.52E-07	4.87E-07	4.42E-07	2.02E-07	3.19E-07	0.00E+00	0.00E+00	8.31E-08	1.65E-08	1.05E-07	1.62E-08	2.47E-08	2.46E-07

3015	479176.6	3850272	7.58E-04	8.17E-04	1.29E-03	2.62E-07	7.92E-07	4.58E-07	4.95E-07	4.48E-07	2.05E-07	3.24E-07	0.00E+00	0.00E+00	8.43E-08	1.68E-08	1.07E-07	1.64E-08	2.51E-08	2.49E-07
3016	479226.6	3850272	7.67E-04	8.28E-04	1.31E-03	2.66E-07	8.02E-07	4.64E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	0.00E+00	0.00E+00	8.54E-08	1.70E-08	1.08E-07	1.66E-08	2.54E-08	2.52E-07
3017	479276.6	3850272	7.74E-04	8.35E-04	1.32E-03	2.68E-07	8.09E-07	4.68E-07	5.05E-07	4.58E-07	2.09E-07	3.31E-07	0.00E+00	0.00E+00	8.62E-08	1.72E-08	1.09E-07	1.68E-08	2.56E-08	2.55E-07
3018	479326.6	3850272	7.77E-04	8.39E-04	1.33E-03	2.69E-07	8.13E-07	4.70E-07	5.08E-07	4.60E-07	2.10E-07	3.32E-07	0.00E+00	0.00E+00	8.65E-08	1.72E-08	1.09E-07	1.69E-08	2.57E-08	2.56E-07
3019	479376.6	3850272	7.78E-04	8.39E-04	1.33E-03	2.69E-07	8.13E-07	4.71E-07	5.08E-07	4.60E-07	2.10E-07	3.33E-07	0.00E+00	0.00E+00	8.66E-08	1.72E-08	1.09E-07	1.69E-08	2.58E-08	2.56E-07
3020	479053.2	3850294	7.28E-04	7.86E-04	1.24E-03	2.52E-07	7.61E-07	4.41E-07	4.75E-07	4.31E-07	1.97E-07	3.11E-07	0.00E+00	0.00E+00	8.11E-08	1.61E-08	1.02E-07	1.58E-08	2.41E-08	2.39E-07
3021	479103.2	3850294	7.42E-04	8.00E-04	1.27E-03	2.57E-07	7.76E-07	4.49E-07	4.84E-07	4.39E-07	2.00E-07	3.17E-07	0.00E+00	0.00E+00	8.26E-08	1.64E-08	1.04E-07	1.61E-08	2.45E-08	2.44E-07
3022	479153.2	3850294	7.54E-04	8.13E-04	1.29E-03	2.61E-07	7.88E-07	4.56E-07	4.92E-07	4.46E-07	2.03E-07	3.22E-07	0.00E+00	0.00E+00	8.39E-08	1.67E-08	1.06E-07	1.63E-08	2.49E-08	2.48E-07
3023	479203.2	3850294	7.65E-04	8.25E-04	1.31E-03	2.65E-07	8.00E-07	4.63E-07	4.99E-07	4.53E-07	2.07E-07	3.27E-07	0.00E+00	0.00E+00	8.52E-08	1.70E-08	1.08E-07	1.66E-08	2.53E-08	2.52E-07
3024	479253.2	3850294	7.74E-04	8.35E-04	1.32E-03	2.68E-07	8.09E-07	4.68E-07	5.05E-07	4.58E-07	2.09E-07	3.31E-07	0.00E+00	0.00E+00	8.61E-08	1.71E-08	1.09E-07	1.68E-08	2.56E-08	2.54E-07
3025	479303.2	3850294	7.79E-04	8.41E-04	1.33E-03	2.70E-07	8.15E-07	4.72E-07	5.09E-07	4.61E-07	2.10E-07	3.33E-07	0.00E+00	0.00E+00	8.68E-08	1.73E-08	1.10E-07	1.69E-08	2.58E-08	2.56E-07
3026	479353.2	3850294	7.82E-04	8.44E-04	1.34E-03	2.71E-07	8.17E-07	4.73E-07	5.11E-07	4.63E-07	2.11E-07	3.34E-07	0.00E+00	0.00E+00	8.70E-08	1.73E-08	1.10E-07	1.70E-08	2.59E-08	2.57E-07
3027	479153.2	3850344	7.55E-04	8.15E-04	1.29E-03	2.61E-07	7.89E-07	4.57E-07	4.93E-07	4.47E-07	2.04E-07	3.22E-07	0.00E+00	0.00E+00	8.41E-08	1.67E-08	1.06E-07	1.64E-08	2.50E-08	2.48E-07
3028	479203.2	3850344	7.68E-04	8.29E-04	1.31E-03	2.66E-07	8.03E-07	4.65E-07	5.01E-07	4.54E-07	2.07E-07	3.28E-07	0.00E+00	0.00E+00	8.55E-08	1.70E-08	1.08E-07	1.67E-08	2.54E-08	2.53E-07
3029	479253.2	3850344	7.78E-04	8.39E-04	1.33E-03	2.69E-07	8.13E-07	4.70E-07	5.08E-07	4.60E-07	2.10E-07	3.32E-07	0.00E+00	0.00E+00	8.66E-08	1.72E-08	1.09E-07	1.69E-08	2.57E-08	2.56E-07
3030	479303.2	3850344	7.85E-04	8.47E-04	1.34E-03	2.72E-07	8.20E-07	4.75E-07	5.12E-07	4.64E-07	2.12E-07	3.35E-07	0.00E+00	0.00E+00	8.74E-08	1.74E-08	1.10E-07	1.70E-08	2.60E-08	2.58E-07
3031	479353.2	3850344	7.90E-04	8.52E-04	1.35E-03	2.73E-07	8.26E-07	4.78E-07	5.16E-07	4.67E-07	2.13E-07	3.38E-07	0.00E+00	0.00E+00	8.79E-08	1.75E-08	1.11E-07	1.71E-08	2.62E-08	2.60E-07
3032	479203.2	3850394	7.68E-04	8.29E-04	1.31E-03	2.66E-07	8.03E-07	4.65E-07	5.01E-07	4.55E-07	2.07E-07	3.28E-07	0.00E+00	0.00E+00	8.55E-08	1.70E-08	1.08E-07	1.67E-08	2.54E-08	2.53E-07
3033	479253.2	3850394	7.80E-04	8.41E-04	1.33E-03	2.70E-07	8.15E-07	4.72E-07	5.09E-07	4.61E-07	2.11E-07	3.33E-07	0.00E+00	0.00E+00	8.68E-08	1.73E-08	1.10E-07	1.69E-08	2.58E-08	2.56E-07
3034	479303.2	3850394	7.89E-04	8.51E-04	1.35E-03	2.73E-07	8.25E-07	4.77E-07	5.15E-07	4.67E-07	2.13E-07	3.37E-07	0.00E+00	0.00E+00	8.78E-08	1.75E-08	1.11E-07	1.71E-08	2.61E-08	2.60E-07
3035	479353.2	3850394	7.96E-04	8.59E-04	1.36E-03	2.76E-07	8.32E-07	4.82E-07	5.20E-07	4.71E-07	2.15E-07	3.40E-07	0.00E+00	0.00E+00	8.86E-08	1.76E-08	1.12E-07	1.73E-08	2.64E-08	2.62E-07
3036	479403.2	3850394	8.01E-04	8.65E-04	1.37E-03	2.77E-07	8.38E-07	4.85E-07	5.23E-07	4.74E-07	2.16E-07	3.43E-07	0.00E+00	0.00E+00	8.92E-08	1.78E-08	1.13E-07	1.74E-08	2.65E-08	2.64E-07
3037	479453.2	3850394	8.03E-04	8.67E-04	1.37E-03	2.78E-07	8.39E-07	4.86E-07	5.24E-07	4.75E-07	2.17E-07	3.43E-07	0.00E+00	0.00E+00	8.94E-08	1.78E-08	1.13E-07	1.74E-08	2.66E-08	2.64E-07
3038	479503.2	3850394	8.01E-04	8.65E-04	1.37E-03	2.77E-07	8.38E-07	4.85E-07	5.23E-07	4.74E-07	2.16E-07	3.43E-07	0.00E+00	0.00E+00	8.92E-08	1.78E-08	1.13E-07	1.74E-08	2.65E-08	2.64E-07
3039	479303.2	3850444	7.91E-04	8.53E-04	1.35E-03	2.74E-07	8.27E-07	4.79E-07	5.16E-07	4.68E-07	2.14E-07	3.38E-07	0.00E+00	0.00E+00	8.81E-08	1.75E-08	1.11E-07	1.72E-08	2.62E-08	2.60E-07
3040	479353.2	3850444	8.00E-04	8.63E-04	1.37E-03	2.77E-07	8.36E-07	4.84E-07	5.22E-07	4.73E-07	2.16E-07	3.42E-07	0.00E+00	0.00E+00	8.90E-08	1.77E-08	1.12E-07	1.73E-08	2.65E-08	2.63E-07
3041	479403.2	3850444	8.06E-04	8.70E-04	1.38E-03	2.79E-07	8.43E-07	4.88E-07	5.26E-07	4.77E-07	2.18E-07	3.45E-07	0.00E+00	0.00E+00	8.97E-08	1.79E-08	1.13E-07	1.75E-08	2.67E-08	2.65E-07
3042	479453.2	3850444	8.10E-04	8.74E-04	1.38E-03	2.80E-07	8.46E-07	4.90E-07	5.29E-07	4.79E-07	2.19E-07	3.46E-07	0.00E+00	0.00E+00	9.02E-08	1.79E-08	1.14E-07	1.76E-08	2.68E-08	2.66E-07
3043	479503.2	3850444	8.11E-04	8.75E-04	1.39E-03	2.81E-07	8.47E-07	4.90E-07	5.29E-07	4.80E-07	2.19E-07	3.47E-07	0.00E+00	0.00E+00	9.02E-08	1.80E-08	1.14E-07	1.76E-08	2.68E-08	2.67E-07
3044	480327.2	3850987	9.69E-04	1.05E-03	1.65E-03	3.35E-07	1.01E-06	5.86E-07	6.32E-07	5.73E-07	2.62E-07	4.13E-07	0.00E+00	0.00E+00	1.08E-07	2.15E-08	1.36E-07	2.10E-08	3.20E-08	3.19E-07
3045	480377.2	3850987	9.62E-04	1.04E-03	1.64E-03	3.33E-07	1.01E-06	5.82E-07	6.28E-07	5.69E-07	2.60E-07	4.09E-07	0.00E+00	0.00E+00	1.07E-07	2.13E-08	1.35E-07	2.08E-08	3.17E-08	3.16E-07
3046	480427.2	3850987	9.52E-04	1.03E-03	1.62E-03	3.30E-07	9.95E-07	5.76E-07	6.21E-07	5.63E-07	2.57E-07	4.05E-07	0.00E+00	0.00E+00	1.06E-07	2.11E-08	1.34E-07	2.06E-08	3.14E-08	3.13E-07
3047	480477.2	3850987	9.41E-04	1.01E-03	1.60E-03	3.26E-07	9.84E-07	5.70E-07	6.14E-07	5.57E-07	2.54E-07	4.00E-07	0.00E+00	0.00E+00	1.05E-07	2.08E-08	1.32E-07	2.04E-08	3.10E-08	3.09E-07
3048	480327.2	3851037	9.91E-04	1.07E-03	1.69E-03	3.43E-07	1.04E-06	6.00E-07	6.47E-07	5.86E-07	2.68E-07	4.22E-07	0.00E+00	0.00E+00	1.10E-07	2.20E-08	1.39E-07	2.15E-08	3.27E-08	3.26E-07
3049	480377.2	3851037	9.85E-04	1.06E-03	1.68E-03	3.41E-07	1.03E-06	5.96E-07	6.43E-07	5.83E-07	2.66E-07	4.19E-07	0.00E+00	0.00E+00	1.10E-07	2.18E-08	1.38E-07	2.13E-08	3.25E-08	3.24E-07
3050	480427.2	3851037	9.77E-04	1.05E-03	1.66E-03	3.38E-07	1.02E-06	5.91E-07	6.37E-07	5.78E-07	2.64E-07	4.16E-07	0.00E+00	0.00E+00	1.09E-07	2.16E-08	1.37E-07	2.12E-08	3.22E-08	3.21E-07
3051	480477.2	3851037	9.68E-04	1.04E-03	1.64E-03	3.35E-07	1.01E-06	5.86E-07	6.31E-07	5.72E-07	2.61E-07	4.12E-07	0.00E+00	0.00E+00	1.08E-07	2.14E-08	1.36E-07	2.10E-08	3.19E-08	3.18E-07
3052	480622.1	3851087	9.68E-04	1.04E-03	1.64E-03	3.35E-07	1.01E-06	5.85E-07	6.31E-07	5.72E-07	2.61E-07	4.11E-07	0.00E+00	0.00E+00	1.08E-07	2.14E-08	1.36E-07	2.10E-08	3.18E-08	3.18E-07
3053	480672.1	3851087	9.58E-04	1.03E-03	1.63E-03	3.32E-07	1.00E-06	5.80E-07	6.25E-07	5.67E-07	2.59E-07	4.07E-07	0.00E+00	0.00E+00	1.07E-07	2.12E-08	1.35E-07	2.08E-08	3.15E-08	3.15E-07
3054	480622.1	3851137	9.96E-04	1.07E-03	1.69E-03	3.45E-07	1.04E-06	6.02E-07	6.50E-07	5.89E-07	2.69E-07	4.23E-07	0.00E+00	0.00E+00	1.11E-07	2.20E-08	1.40E-07	2.16E-08	3.28E-08	3.27E-07
3055	480672.1	3851137	9.86E-04	1.06E-03	1.67E-03	3.41E-07	1.03E-06	5.97E-07	6.43E-07	5.83E-07	2.66E-07	4.19E-07	0.00E+00	0.00E+00	1.10E-07	2.18E-08	1.39E-07	2.14E-08	3.24E-08	3.24E-07
3056	480722.1	3851137	9.78E-04	1.05E-03	1.66E-03	3.38E-07	1.02E-06	5.92E-07	6.38E-07	5.78E-07	2.64E-07	4.15E-07	0.00E+00	0.00E+00	1.09E-07	2.16E-08	1.37E-07	2.12E-08	3.21E-08	3.21E-07
3057	480622.1	3851187	1.02E-03	1.10E-03	1.74E-03	3.54E-07	1.07E-06	6.19E-07	6.68E-07	6.05E-07	2.76E-07	4.35E-07	0.00E+00	0.00E+00	1.14E-07	2.27E-08	1.44E-07	2.22E-08	3.37E-08	3.36E-07
3058	480672.1	3851187	1.02E-03	1.09E-03	1.72E-03	3.51E-07	1.06E-06	6.14E-07	6.62E-07	6.00E-07	2.74E-07	4.31E-07	0.00E+00	0.00E+00	1.13E-07	2.25E-08	1.43E-07	2.20E-08	3.34E-08	3.34E-07
3059	480722.1	3851187	1.01E-03	1.09E-03	1.71E-03	3.49E-07	1.05E-06	6.09E-07	6.57E-07	5.95E-07	2.72E-07	4.27E-07	0.00E+00	0.00E+00	1.12E-07	2.23E-08	1.41E-07	2.18E-08	3.31E-08	3.31E-07
3060	471363.1	3845877	1.28E-04	1.38E-04	2.19E-04	4.44E-08	1.34E-07	7.76E-08	8.38E-08	7.59E-08	3.46E-08	5.49E-08	0.00E+00	0.00E+00	1.43E-08	2.84E-09	1.80E-08	2.78E-09	4.25E-09	4.22E-08
3061	471863.1	3845877	1.21E-04	1.30E-04	2.06E-04	4.17E-08	1.26E-07	7.29E-08	7.87E-08	7.13E-08	3.26E-08	5.16E-08	0.00E+00	0.00E+00	1.34E-08	2.67E-09	1.70E-08	2.61E-09	3.99E-09	3.97E-08
3062	472363.1	3845877	1.26E-04	1.36E-04	2.15E-04	4.35E-08	1.31E-07	7.60E-08	8.20E-08	7.44E-08	3.39E-08	5.37E-08	0.00E+00	0.00E+00	1.40E-08	2.78E-09	1.77E-08	2.72E-09	4.16E-09	4.13E-08
3063	472863.1	3845877	1.05E-04	1.14E-04	1.80E-04	3.65E-08	1.10E-07	6.37E-08	6.88E-08	6.23E-08	2.84E-08	4.51E-08	0.00E+00	0.00E+00	1.17E-08	2.33E-09	1.48E-08	2.28E-09	3.49E-09	3.46E-08
3064	473363.1	3845877	1.12E-04	1.20E-04	1.91E-04	3.86E-08	1.17E-07	6.75E-08	7.28E-08	6.60E-08	3.01E-08	4.77E-08	0.00E+00	0.00E+00	1.24E-08	2.47E-09	1.57E-08	2.42E-09	3.69E-09	3.67E-08
3065	473863.1	3845877	1.21E-04	1.31E-04	2.07E-04	4.20E-08	1.27E-07	7.35E-08	7.93E-08	7.19E-08	3.28E-08	5.19E-08	0.00E+00	0.00E+00	1.35E-08	2.69E-09	1.71E-08	2.63E-09	4.02E-09	3.99E-08
3066	474363.1	3845877	1.57E-04	1.69E-04	2.68E-04	5.43E-08	1.64E-07	9.50E-08	1.02E-07	9.29E-08	4.24E-08	6.70E-08	0.00E+00	0.00E+00	1.75E-08	3.48E-09	2.21E-08	3.40E-09	5.19E-09	5.16E-08
3067	474863.1	3845877	1.98E-04	2.14E-04	3.39E-04	6.86E-08	2.07E-07	1.20E-07	1.29E-07	1.17E-07	5.35E-08	8.48E-08	0.00E+00	0.00E+00	2.21E-08	4.39E-09	2.79E-08	4.30E-09	6.56E-09	6.52E-08
3068	475363.1	3845877	2.18E-04	2.35E-04	3.73E-04	7.55E-08	2.28E-07	1.32E-07	1.42E-07	1.29E-07	5.89E-08	9.34E-08	0.00E+00	0.00E+00	2.43E-08	4.83E-09	3.07E-08	4.73E-09	7.23E-09	7.17E-08
3069	475863.1	3845877	2.13E-04	2.30E-04	3.64E-04	7.37E-08	2.22E-07	1.29E-07	1.39E-07	1.26E-07	5.75E-08	9.10E-08	0.00E+00	0.00E+00	2.37E-08	4.72E-09	2.99E-08	4.61E-09	7.05E-09	7.00E-08
3070	476363.1	3845877	1.84E-04	1.98E-04	3.13E-04	6.35E-08	1.92E-07	1.11E-07	1.20E-07	1.09E-07	4.96E-08	7.83E-08	0.00E+00	0.00E+00	2.04E-08	4.07E-09	2.58E-08	3.98E-09	6.07E-09	6.04E-08
3071	476863.1	3845877	1.59E-04	1.72E-04	2.71E-04	5.51E-08	1.66E-07	9.62E-08	1.04E-07	9.41E-08	4.29E-08	6.79E-08	0.00E+00	0.00E+00	1.77E-08	3.52E-09	2.24E-08	3.45E-09	5.26E-09	5.23E-08

3072	477363.1	3845877	1.43E-04	1.54E-04	2.42E-04	4.94E-08	1.49E-07	8.63E-08	9.31E-08	8.44E-08	3.85E-08	6.07E-08	0.00E+00	0.00E+00	1.59E-08	3.16E-09	2.01E-08	3.09E-09	4.70E-09	4.69E-08
3073	477863.1	3845877	1.29E-04	1.39E-04	2.19E-04	4.46E-08	1.35E-07	7.80E-08	8.41E-08	7.63E-08	3.48E-08	5.49E-08	0.00E+00	0.00E+00	1.44E-08	2.86E-09	1.81E-08	2.79E-09	4.25E-09	4.24E-08
3074	478363.1	3845877	1.22E-04	1.31E-04	2.06E-04	4.21E-08	1.27E-07	7.36E-08	7.93E-08	7.19E-08	3.28E-08	5.16E-08	0.00E+00	0.00E+00	1.35E-08	2.69E-09	1.71E-08	2.63E-09	4.00E-09	3.99E-08
3075	478863.1	3845877	1.16E-04	1.26E-04	1.98E-04	4.03E-08	1.22E-07	7.05E-08	7.60E-08	6.89E-08	3.14E-08	4.95E-08	0.00E+00	0.00E+00	1.30E-08	2.58E-09	1.64E-08	2.52E-09	3.83E-09	3.83E-08
3076	479363.1	3845877	1.14E-04	1.23E-04	1.93E-04	3.95E-08	1.19E-07	6.91E-08	7.44E-08	6.75E-08	3.08E-08	4.83E-08	0.00E+00	0.00E+00	1.27E-08	2.53E-09	1.60E-08	2.47E-09	3.74E-09	3.75E-08
3077	479863.1	3845877	1.07E-04	1.15E-04	1.81E-04	3.70E-08	1.12E-07	6.46E-08	6.96E-08	6.31E-08	2.88E-08	4.53E-08	0.00E+00	0.00E+00	1.19E-08	2.36E-09	1.50E-08	2.31E-09	3.51E-09	3.51E-08
3078	480363.1	3845877	9.45E-05	1.02E-04	1.60E-04	3.27E-08	9.87E-08	5.72E-08	6.16E-08	5.59E-08	2.55E-08	4.02E-08	0.00E+00	0.00E+00	1.05E-08	2.09E-09	1.33E-08	2.05E-09	3.11E-09	3.10E-08
3079	480863.1	3845877	8.79E-05	9.47E-05	1.49E-04	3.04E-08	9.18E-08	5.32E-08	5.73E-08	5.20E-08	2.37E-08	3.73E-08	0.00E+00	0.00E+00	9.78E-09	1.95E-09	1.23E-08	1.90E-09	2.89E-09	2.89E-08
3080	481363.1	3845877	8.22E-05	8.86E-05	1.40E-04	2.85E-08	8.59E-08	4.97E-08	5.36E-08	4.86E-08	2.22E-08	3.49E-08	0.00E+00	0.00E+00	9.15E-09	1.82E-09	1.16E-08	1.78E-09	2.70E-09	2.70E-08
3081	481863.1	3845877	7.71E-05	8.31E-05	1.31E-04	2.67E-08	8.06E-08	4.67E-08	5.03E-08	4.56E-08	2.08E-08	3.28E-08	0.00E+00	0.00E+00	8.58E-09	1.71E-09	1.08E-08	1.67E-09	2.54E-09	2.53E-08
3082	482363.1	3845877	7.05E-05	7.60E-05	1.20E-04	2.44E-08	7.37E-08	4.27E-08	4.60E-08	4.17E-08	1.90E-08	3.00E-08	0.00E+00	0.00E+00	7.85E-09	1.56E-09	9.91E-09	1.53E-09	2.32E-09	2.32E-08
3083	482863.1	3845877	6.02E-05	6.49E-05	1.03E-04	2.08E-08	6.29E-08	3.64E-08	3.93E-08	3.56E-08	1.62E-08	2.57E-08	0.00E+00	0.00E+00	6.70E-09	1.33E-09	8.46E-09	1.30E-09	1.99E-09	1.98E-08
3084	483363.1	3845877	5.51E-05	5.94E-05	9.41E-05	1.91E-08	5.76E-08	3.33E-08	3.60E-08	3.26E-08	1.49E-08	2.36E-08	0.00E+00	0.00E+00	6.13E-09	1.22E-09	7.74E-09	1.19E-09	1.82E-09	1.81E-08
3085	483863.1	3845877	6.07E-05	6.55E-05	1.03E-04	2.10E-08	6.35E-08	3.68E-08	3.96E-08	3.59E-08	1.64E-08	2.59E-08	0.00E+00	0.00E+00	6.76E-09	1.35E-09	8.54E-09	1.32E-09	2.00E-09	2.00E-08
3086	484363.1	3845877	5.99E-05	6.46E-05	1.02E-04	2.07E-08	6.26E-08	3.62E-08	3.91E-08	3.54E-08	1.62E-08	2.55E-08	0.00E+00	0.00E+00	6.67E-09	1.33E-09	8.42E-09	1.30E-09	1.98E-09	1.97E-08
3087	484863.1	3845877	5.69E-05	6.14E-05	9.69E-05	1.97E-08	5.95E-08	3.45E-08	3.72E-08	3.37E-08	1.54E-08	2.42E-08	0.00E+00	0.00E+00	6.34E-09	1.26E-09	8.00E-09	1.23E-09	1.88E-09	1.87E-08
3088	485363.1	3845877	5.40E-05	5.82E-05	9.21E-05	1.87E-08	5.64E-08	3.26E-08	3.52E-08	3.19E-08	1.46E-08	2.30E-08	0.00E+00	0.00E+00	6.01E-09	1.20E-09	7.59E-09	1.17E-09	1.78E-09	1.77E-08
3089	485863.1	3845877	5.34E-05	5.76E-05	9.12E-05	1.85E-08	5.58E-08	3.23E-08	3.48E-08	3.16E-08	1.44E-08	2.28E-08	0.00E+00	0.00E+00	5.94E-09	1.18E-09	7.51E-09	1.16E-09	1.77E-09	1.76E-08
3090	486363.1	3845877	5.17E-05	5.58E-05	8.83E-05	1.79E-08	5.40E-08	3.13E-08	3.37E-08	3.06E-08	1.40E-08	2.21E-08	0.00E+00	0.00E+00	5.75E-09	1.15E-09	7.27E-09	1.12E-09	1.71E-09	1.70E-08
3091	486863.1	3845877	4.86E-05	5.24E-05	8.31E-05	1.68E-08	5.08E-08	2.94E-08	3.17E-08	2.88E-08	1.31E-08	2.08E-08	0.00E+00	0.00E+00	5.41E-09	1.08E-09	6.83E-09	1.05E-09	1.61E-09	1.60E-08
3092	487363.1	3845877	4.76E-05	5.14E-05	8.15E-05	1.65E-08	4.97E-08	2.88E-08	3.11E-08	2.82E-08	1.29E-08	2.04E-08	0.00E+00	0.00E+00	5.30E-09	1.05E-09	6.69E-09	1.03E-09	1.58E-09	1.57E-08
3093	487863.1	3845877	4.53E-05	4.89E-05	7.78E-05	1.57E-08	4.74E-08	2.74E-08	2.96E-08	2.68E-08	1.22E-08	1.95E-08	0.00E+00	0.00E+00	5.04E-09	1.00E-09	6.38E-09	9.83E-10	1.51E-09	1.49E-08
3094	488363.1	3845877	4.46E-05	4.82E-05	7.67E-05	1.54E-08	4.66E-08	2.70E-08	2.91E-08	2.64E-08	1.21E-08	1.92E-08	0.00E+00	0.00E+00	4.96E-09	9.89E-10	6.28E-09	9.68E-10	1.49E-09	1.47E-08
3095	488863.1	3845877	4.78E-05	5.17E-05	8.21E-05	1.66E-08	5.00E-08	2.90E-08	3.13E-08	2.83E-08	1.29E-08	2.05E-08	0.00E+00	0.00E+00	5.33E-09	1.06E-09	6.73E-09	1.04E-09	1.59E-09	1.57E-08
3096	489363.1	3845877	4.84E-05	5.23E-05	8.32E-05	1.67E-08	5.06E-08	2.93E-08	3.16E-08	2.87E-08	1.31E-08	2.08E-08	0.00E+00	0.00E+00	5.39E-09	1.07E-09	6.81E-09	1.05E-09	1.61E-09	1.59E-08
3097	489863.1	3845877	4.79E-05	5.18E-05	8.28E-05	1.66E-08	5.01E-08	2.90E-08	3.13E-08	2.84E-08	1.30E-08	2.07E-08	0.00E+00	0.00E+00	5.34E-09	1.06E-09	6.75E-09	1.04E-09	1.60E-09	1.58E-08
3098	490363.1	3845877	4.68E-05	5.06E-05	8.11E-05	1.62E-08	4.89E-08	2.83E-08	3.06E-08	2.77E-08	1.27E-08	2.03E-08	0.00E+00	0.00E+00	5.21E-09	1.04E-09	6.59E-09	1.02E-09	1.57E-09	1.54E-08
3099	490863.1	3845877	4.39E-05	4.75E-05	7.64E-05	1.52E-08	4.59E-08	2.66E-08	2.88E-08	2.61E-08	1.19E-08	1.91E-08	0.00E+00	0.00E+00	4.89E-09	9.76E-10	6.19E-09	9.55E-10	1.48E-09	1.45E-08
3100	491363.1	3845877	4.73E-05	5.12E-05	8.22E-05	1.64E-08	4.95E-08	2.86E-08	3.10E-08	2.81E-08	1.28E-08	2.06E-08	0.00E+00	0.00E+00	5.27E-09	1.05E-09	6.67E-09	1.03E-09	1.59E-09	1.56E-08
3101	491863.1	3845877	5.00E-05	5.41E-05	8.67E-05	1.73E-08	5.23E-08	3.03E-08	3.27E-08	2.96E-08	1.35E-08	2.17E-08	0.00E+00	0.00E+00	5.57E-09	1.11E-09	7.04E-09	1.09E-09	1.68E-09	1.65E-08
3102	492363.1	3845877	4.80E-05	5.19E-05	8.35E-05	1.66E-08	5.02E-08	2.90E-08	3.14E-08	2.85E-08	1.30E-08	2.09E-08	0.00E+00	0.00E+00	5.34E-09	1.07E-09	6.77E-09	1.04E-09	1.62E-09	1.58E-08
3103	492863.1	3845877	5.42E-05	5.86E-05	9.39E-05	1.88E-08	5.67E-08	3.28E-08	3.55E-08	3.21E-08	1.47E-08	2.35E-08	0.00E+00	0.00E+00	6.04E-09	1.20E-09	7.64E-09	1.18E-09	1.82E-09	1.79E-08
3104	493363.1	3845877	5.79E-05	6.26E-05	1.00E-04	2.00E-08	6.05E-08	3.50E-08	3.79E-08	3.43E-08	1.57E-08	2.51E-08	0.00E+00	0.00E+00	6.44E-09	1.28E-09	8.15E-09	1.26E-09	1.94E-09	1.91E-08
3105	493863.1	3845877	6.18E-05	6.68E-05	1.07E-04	2.14E-08	6.46E-08	3.74E-08	4.04E-08	3.67E-08	1.67E-08	2.68E-08	0.00E+00	0.00E+00	6.88E-09	1.37E-09	8.71E-09	1.34E-09	2.07E-09	2.04E-08
3106	494363.1	3845877	6.59E-05	7.12E-05	1.14E-04	2.28E-08	6.89E-08	3.99E-08	4.31E-08	3.91E-08	1.78E-08	2.85E-08	0.00E+00	0.00E+00	7.34E-09	1.46E-09	9.28E-09	1.43E-09	2.21E-09	2.17E-08
3107	494863.1	3845877	6.96E-05	7.52E-05	1.20E-04	2.41E-08	7.27E-08	4.21E-08	4.55E-08	4.12E-08	1.88E-08	3.01E-08	0.00E+00	0.00E+00	7.74E-09	1.54E-09	9.80E-09	1.51E-09	2.33E-09	2.29E-08
3108	495363.1	3845877	7.42E-05	8.02E-05	1.28E-04	2.57E-08	7.76E-08	4.49E-08	4.85E-08	4.40E-08	2.01E-08	3.21E-08	0.00E+00	0.00E+00	8.26E-09	1.65E-09	1.04E-08	1.61E-09	2.49E-09	2.45E-08
3109	495863.1	3845877	8.00E-05	8.64E-05	1.38E-04	2.77E-08	8.36E-08	4.84E-08	5.23E-08	4.74E-08	2.16E-08	3.46E-08	0.00E+00	0.00E+00	8.90E-09	1.77E-09	1.13E-08	1.74E-09	2.68E-09	2.64E-08
3110	496363.1	3845877	8.59E-05	9.28E-05	1.48E-04	2.97E-08	8.98E-08	5.20E-08	5.62E-08	5.09E-08	2.32E-08	3.71E-08	0.00E+00	0.00E+00	9.56E-09	1.91E-09	1.21E-08	1.87E-09	2.88E-09	2.83E-08
3111	496863.1	3845877	9.04E-05	9.77E-05	1.56E-04	3.13E-08	9.45E-08	5.47E-08	5.91E-08	5.36E-08	2.44E-08	3.91E-08	0.00E+00	0.00E+00	1.01E-08	2.01E-09	1.27E-08	1.96E-09	3.03E-09	2.98E-08
3112	497363.1	3845877	9.53E-05	1.03E-04	1.65E-04	3.30E-08	9.96E-08	5.77E-08	6.23E-08	5.65E-08	2.58E-08	4.12E-08	0.00E+00	0.00E+00	1.06E-08	2.11E-09	1.34E-08	2.07E-09	3.19E-09	3.14E-08
3113	497863.1	3845877	1.01E-04	1.09E-04	1.74E-04	3.49E-08	1.05E-07	6.10E-08	6.59E-08	5.97E-08	2.73E-08	4.36E-08	0.00E+00	0.00E+00	1.12E-08	2.24E-09	1.42E-08	2.19E-09	3.38E-09	3.32E-08
3114	498363.1	3845877	1.06E-04	1.14E-04	1.83E-04	3.66E-08	1.10E-07	6.40E-08	6.91E-08	6.27E-08	2.86E-08	4.57E-08	0.00E+00	0.00E+00	1.18E-08	2.35E-09	1.49E-08	2.30E-09	3.54E-09	3.48E-08
3115	471363.1	3846377	2.06E-04	2.23E-04	3.51E-04	7.15E-08	2.16E-07	1.25E-07	1.35E-07	1.22E-07	5.57E-08	8.78E-08	0.00E+00	0.00E+00	2.30E-08	4.57E-09	2.90E-08	4.47E-09	6.80E-09	6.78E-08
3116	471863.1	3846377	1.85E-04	2.00E-04	3.16E-04	6.42E-08	1.94E-07	1.12E-07	1.21E-07	1.10E-07	5.01E-08	7.90E-08	0.00E+00	0.00E+00	2.06E-08	4.11E-09	2.61E-08	4.02E-09	6.12E-09	6.10E-08
3117	472363.1	3846377	1.31E-04	1.41E-04	2.24E-04	4.53E-08	1.37E-07	7.92E-08	8.55E-08	7.75E-08	3.54E-08	5.61E-08	0.00E+00	0.00E+00	1.46E-08	2.90E-09	1.84E-08	2.84E-09	4.34E-09	4.31E-08
3118	472863.1	3846377	1.28E-04	1.38E-04	2.19E-04	4.43E-08	1.34E-07	7.74E-08	8.35E-08	7.57E-08	3.45E-08	5.47E-08	0.00E+00	0.00E+00	1.42E-08	2.83E-09	1.80E-08	2.77E-09	4.24E-09	4.21E-08
3119	473363.1	3846377	1.22E-04	1.32E-04	2.09E-04	4.23E-08	1.28E-07	7.40E-08	7.98E-08	7.24E-08	3.30E-08	5.22E-08	0.00E+00	0.00E+00	1.36E-08	2.71E-09	1.72E-08	2.65E-09	4.05E-09	4.02E-08
3120	473863.1	3846377	1.34E-04	1.44E-04	2.28E-04	4.63E-08	1.40E-07	8.09E-08	8.73E-08	7.91E-08	3.61E-08	5.71E-08	0.00E+00	0.00E+00	1.49E-08	2.96E-09	1.88E-08	2.90E-09	4.42E-09	4.40E-08
3121	474363.1	3846377	1.49E-04	1.61E-04	2.54E-04	5.17E-08	1.56E-07	9.03E-08	9.74E-08	8.83E-08	4.03E-08	6.36E-08	0.00E+00	0.00E+00	1.66E-08	3.31E-09	2.10E-08	3.23E-09	4.93E-09	4.91E-08
3122	474863.1	3846377	1.91E-04	2.06E-04	3.26E-04	6.62E-08	2.00E-07	1.16E-07	1.25E-07	1.13E-07	5.16E-08	8.16E-08	0.00E+00	0.00E+00	2.13E-08	4.24E-09	2.69E-08	4.14E-09	6.32E-09	6.29E-08
3123	475363.1	3846377	2.34E-04	2.52E-04	4.00E-04	8.10E-08	2.45E-07	1.42E-07	1.53E-07	1.38E-07	6.32E-08	1.00E-07	0.00E+00	0.00E+00	2.60E-08	5.18E-09	3.29E-08	5.07E-09	7.75E-09	7.69E-08
3124	475863.1	3846377	2.53E-04	2.73E-04	4.32E-04	8.75E-08	2.64E-07	1.53E-07	1.65E-07	1.50E-07	6.83E-08	1.08E-07	0.00E+00	0.00E+00	2.81E-08	5.60E-09	3.55E-08	5.48E-09	8.38E-09	8.31E-08
3125	476363.1	3846377	2.31E-04	2.49E-04	3.95E-04	8.00E-08	2.42E-07	1.40E-07	1.51E-07	1.37E-07	6.24E-08	9.88E-08	0.00E+00	0.00E+00	2.57E-08	5.12E-09	3.25E-08	5.01E-09	7.65E-09	7.60E-08
3126	476863.1	3846377	1.98E-04	2.14E-04	3.38E-04	6.85E-08	2.07E-07	1.20E-07	1.29E-07	1.17E-07	5.34E-08	8.45E-08	0.00E+00	0.00E+00	2.20E-08	4.39E-09	2.78E-08	4.29E-09	6.54E-09	6.51E-08
3127	477363.1	3846377	1.75E-04	1.89E-04	2.99E-04	6.06E-08	1.83E-07	1.06E-07	1.14E-07	1.04E-07	4.73E-08	7.47E-08	0.00E+00	0.00E+00	1.95E-08	3.88E-09	2.46E-08	3.80E-09	5.79E-09	5.76E-08
3128	477863.1	3846377	1.52E-04	1.64E-04	2.58E-04	5.26E-08	1.59E-07	9.19E-08	9.91E-08	8.98E-08	4.10E-08	6.45E-08	0.00E+00	0.00E+00	1.69E-08	3.36E-09	2.13E-08	3.29E-09	5.00E-09	4.99E-08

3129	478363.1	3846377	1.42E-04	1.53E-04	2.41E-04	4.90E-08	1.48E-07	8.56E-08	9.23E-08	8.37E-08	3.82E-08	6.02E-08	0.00E+00	0.00E+00	1.58E-08	3.13E-09	1.99E-08	3.07E-09	4.66E-09	4.65E-08
3130	478863.1	3846377	1.41E-04	1.52E-04	2.39E-04	4.87E-08	1.47E-07	8.51E-08	9.18E-08	8.32E-08	3.80E-08	5.99E-08	0.00E+00	0.00E+00	1.57E-08	3.12E-09	1.98E-08	3.05E-09	4.63E-09	4.62E-08
3131	479363.1	3846377	1.33E-04	1.44E-04	2.26E-04	4.62E-08	1.39E-07	8.07E-08	8.70E-08	7.89E-08	3.60E-08	5.67E-08	0.00E+00	0.00E+00	1.49E-08	2.95E-09	1.87E-08	2.89E-09	4.39E-09	4.38E-08
3132	479863.1	3846377	1.21E-04	1.30E-04	2.05E-04	4.19E-08	1.26E-07	7.32E-08	7.88E-08	7.15E-08	3.26E-08	5.12E-08	0.00E+00	0.00E+00	1.35E-08	2.68E-09	1.70E-08	2.62E-09	3.97E-09	3.97E-08
3133	480363.1	3846377	1.17E-04	1.26E-04	1.98E-04	4.04E-08	1.22E-07	7.06E-08	7.61E-08	6.90E-08	3.15E-08	4.95E-08	0.00E+00	0.00E+00	1.30E-08	2.58E-09	1.64E-08	2.53E-09	3.84E-09	3.83E-08
3134	480863.1	3846377	1.01E-04	1.09E-04	1.72E-04	3.50E-08	1.06E-07	6.12E-08	6.60E-08	5.98E-08	2.73E-08	4.30E-08	0.00E+00	0.00E+00	1.13E-08	2.24E-09	1.42E-08	2.19E-09	3.33E-09	3.32E-08
3135	481363.1	3846377	9.54E-05	1.03E-04	1.62E-04	3.30E-08	9.97E-08	5.77E-08	6.22E-08	5.64E-08	2.57E-08	4.05E-08	0.00E+00	0.00E+00	1.06E-08	2.11E-09	1.34E-08	2.07E-09	3.13E-09	3.13E-08
3136	481863.1	3846377	8.85E-05	9.55E-05	1.50E-04	3.07E-08	9.25E-08	5.36E-08	5.78E-08	5.24E-08	2.39E-08	3.76E-08	0.00E+00	0.00E+00	9.86E-09	1.96E-09	1.24E-08	1.92E-09	2.91E-09	2.91E-08
3137	482363.1	3846377	7.94E-05	8.56E-05	1.35E-04	2.75E-08	8.30E-08	4.80E-08	5.18E-08	4.69E-08	2.14E-08	3.38E-08	0.00E+00	0.00E+00	8.84E-09	1.76E-09	1.12E-08	1.72E-09	2.61E-09	2.61E-08
3138	482863.1	3846377	6.91E-05	7.45E-05	1.17E-04	2.39E-08	7.22E-08	4.18E-08	4.51E-08	4.09E-08	1.86E-08	2.94E-08	0.00E+00	0.00E+00	7.69E-09	1.53E-09	9.71E-09	1.50E-09	2.28E-09	2.27E-08
3139	483363.1	3846377	7.02E-05	7.57E-05	1.19E-04	2.43E-08	7.34E-08	4.25E-08	4.58E-08	4.15E-08	1.89E-08	2.99E-08	0.00E+00	0.00E+00	7.81E-09	1.55E-09	9.87E-09	1.52E-09	2.31E-09	2.31E-08
3140	483863.1	3846377	6.82E-05	7.36E-05	1.16E-04	2.36E-08	7.13E-08	4.13E-08	4.45E-08	4.04E-08	1.84E-08	2.90E-08	0.00E+00	0.00E+00	7.60E-09	1.51E-09	9.59E-09	1.48E-09	2.25E-09	2.24E-08
3141	484363.1	3846377	6.29E-05	6.78E-05	1.07E-04	2.18E-08	6.57E-08	3.80E-08	4.10E-08	3.72E-08	1.70E-08	2.68E-08	0.00E+00	0.00E+00	7.00E-09	1.39E-09	8.83E-09	1.36E-09	2.07E-09	2.07E-08
3142	484863.1	3846377	6.53E-05	7.04E-05	1.11E-04	2.26E-08	6.82E-08	3.95E-08	4.26E-08	3.86E-08	1.76E-08	2.78E-08	0.00E+00	0.00E+00	7.27E-09	1.45E-09	9.17E-09	1.41E-09	2.15E-09	2.14E-08
3143	485363.1	3846377	6.37E-05	6.87E-05	1.08E-04	2.21E-08	6.66E-08	3.85E-08	4.16E-08	3.77E-08	1.72E-08	2.71E-08	0.00E+00	0.00E+00	7.09E-09	1.41E-09	8.95E-09	1.38E-09	2.10E-09	2.09E-08
3144	485863.1	3846377	5.96E-05	6.43E-05	1.02E-04	2.06E-08	6.23E-08	3.61E-08	3.89E-08	3.53E-08	1.61E-08	2.54E-08	0.00E+00	0.00E+00	6.63E-09	1.32E-09	8.38E-09	1.29E-09	1.97E-09	1.96E-08
3145	486363.1	3846377	5.28E-05	5.70E-05	9.03E-05	1.83E-08	5.52E-08	3.20E-08	3.45E-08	3.13E-08	1.43E-08	2.26E-08	0.00E+00	0.00E+00	5.88E-09	1.17E-09	7.43E-09	1.15E-09	1.75E-09	1.74E-08
3146	486863.1	3846377	5.03E-05	5.43E-05	8.60E-05	1.74E-08	5.25E-08	3.04E-08	3.28E-08	2.98E-08	1.36E-08	2.15E-08	0.00E+00	0.00E+00	5.60E-09	1.11E-09	7.07E-09	1.09E-09	1.67E-09	1.65E-08
3147	487363.1	3846377	5.05E-05	5.45E-05	8.66E-05	1.75E-08	5.28E-08	3.06E-08	3.30E-08	2.99E-08	1.37E-08	2.17E-08	0.00E+00	0.00E+00	5.63E-09	1.12E-09	7.11E-09	1.10E-09	1.68E-09	1.66E-08
3148	487863.1	3846377	5.36E-05	5.79E-05	9.18E-05	1.86E-08	5.61E-08	3.25E-08	3.50E-08	3.18E-08	1.45E-08	2.30E-08	0.00E+00	0.00E+00	5.97E-09	1.19E-09	7.54E-09	1.16E-09	1.78E-09	1.76E-08
3149	488363.1	3846377	5.27E-05	5.68E-05	9.02E-05	1.82E-08	5.50E-08	3.19E-08	3.44E-08	3.12E-08	1.42E-08	2.26E-08	0.00E+00	0.00E+00	5.86E-09	1.17E-09	7.41E-09	1.14E-09	1.75E-09	1.73E-08
3150	488863.1	3846377	5.32E-05	5.74E-05	9.13E-05	1.84E-08	5.56E-08	3.22E-08	3.47E-08	3.15E-08	1.44E-08	2.29E-08	0.00E+00	0.00E+00	5.92E-09	1.18E-09	7.48E-09	1.15E-09	1.77E-09	1.75E-08
3151	489363.1	3846377	5.37E-05	5.80E-05	9.25E-05	1.86E-08	5.62E-08	3.25E-08	3.51E-08	3.18E-08	1.45E-08	2.31E-08	0.00E+00	0.00E+00	5.98E-09	1.19E-09	7.56E-09	1.17E-09	1.79E-09	1.77E-08
3152	489863.1	3846377	5.30E-05	5.73E-05	9.15E-05	1.83E-08	5.54E-08	3.21E-08	3.46E-08	3.14E-08	1.43E-08	2.29E-08	0.00E+00	0.00E+00	5.90E-09	1.18E-09	7.46E-09	1.15E-09	1.77E-09	1.75E-08
3153	490363.1	3846377	4.96E-05	5.36E-05	8.60E-05	1.72E-08	5.18E-08	3.00E-08	3.24E-08	2.94E-08	1.34E-08	2.15E-08	0.00E+00	0.00E+00	5.52E-09	1.10E-09	6.99E-09	1.08E-09	1.67E-09	1.64E-08
3154	490863.1	3846377	4.90E-05	5.30E-05	8.51E-05	1.70E-08	5.12E-08	2.97E-08	3.21E-08	2.91E-08	1.33E-08	2.13E-08	0.00E+00	0.00E+00	5.46E-09	1.09E-09	6.91E-09	1.06E-09	1.65E-09	1.62E-08
3155	491363.1	3846377	5.01E-05	5.42E-05	8.71E-05	1.74E-08	5.24E-08	3.03E-08	3.28E-08	2.97E-08	1.36E-08	2.18E-08	0.00E+00	0.00E+00	5.58E-09	1.11E-09	7.06E-09	1.09E-09	1.69E-09	1.65E-08
3156	491863.1	3846377	5.55E-05	6.00E-05	9.61E-05	1.92E-08	5.80E-08	3.36E-08	3.63E-08	3.29E-08	1.50E-08	2.40E-08	0.00E+00	0.00E+00	6.18E-09	1.23E-09	7.82E-09	1.21E-09	1.86E-09	1.83E-08
3157	492363.1	3846377	5.65E-05	6.10E-05	9.80E-05	1.95E-08	5.90E-08	3.42E-08	3.69E-08	3.35E-08	1.53E-08	2.45E-08	0.00E+00	0.00E+00	6.28E-09	1.25E-09	7.95E-09	1.23E-09	1.90E-09	1.86E-08
3158	492863.1	3846377	5.87E-05	6.35E-05	1.02E-04	2.03E-08	6.14E-08	3.55E-08	3.84E-08	3.48E-08	1.59E-08	2.55E-08	0.00E+00	0.00E+00	6.54E-09	1.30E-09	8.27E-09	1.28E-09	1.97E-09	1.94E-08
3159	493363.1	3846377	6.46E-05	6.99E-05	1.12E-04	2.24E-08	6.76E-08	3.91E-08	4.23E-08	3.83E-08	1.75E-08	2.80E-08	0.00E+00	0.00E+00	7.20E-09	1.43E-09	9.10E-09	1.40E-09	2.17E-09	2.13E-08
3160	493863.1	3846377	6.93E-05	7.49E-05	1.20E-04	2.40E-08	7.24E-08	4.19E-08	4.53E-08	4.11E-08	1.87E-08	3.00E-08	0.00E+00	0.00E+00	7.71E-09	1.54E-09	9.76E-09	1.50E-09	2.32E-09	2.28E-08
3161	494363.1	3846377	7.42E-05	8.02E-05	1.28E-04	2.57E-08	7.76E-08	4.49E-08	4.85E-08	4.40E-08	2.01E-08	3.21E-08	0.00E+00	0.00E+00	8.26E-09	1.65E-09	1.04E-08	1.61E-09	2.49E-09	2.45E-08
3162	494863.1	3846377	7.93E-05	8.57E-05	1.37E-04	2.74E-08	8.29E-08	4.80E-08	5.18E-08	4.70E-08	2.14E-08	3.43E-08	0.00E+00	0.00E+00	8.82E-09	1.76E-09	1.12E-08	1.72E-09	2.65E-09	2.61E-08
3163	495363.1	3846377	8.49E-05	9.17E-05	1.47E-04	2.94E-08	8.87E-08	5.14E-08	5.55E-08	5.03E-08	2.30E-08	3.67E-08	0.00E+00	0.00E+00	9.45E-09	1.88E-09	1.20E-08	1.84E-09	2.85E-09	2.80E-08
3164	495863.1	3846377	9.15E-05	9.89E-05	1.58E-04	3.17E-08	9.56E-08	5.54E-08	5.98E-08	5.42E-08	2.47E-08	3.96E-08	0.00E+00	0.00E+00	1.02E-08	2.03E-09	1.29E-08	1.99E-09	3.07E-09	3.02E-08
3165	496363.1	3846377	9.83E-05	1.06E-04	1.70E-04	3.40E-08	1.03E-07	5.95E-08	6.42E-08	5.82E-08	2.66E-08	4.25E-08	0.00E+00	0.00E+00	1.09E-08	2.18E-09	1.38E-08	2.13E-09	3.29E-09	3.24E-08
3166	496863.1	3846377	1.05E-04	1.13E-04	1.81E-04	3.63E-08	1.10E-07	6.35E-08	6.86E-08	6.22E-08	2.84E-08	4.54E-08	0.00E+00	0.00E+00	1.17E-08	2.33E-09	1.48E-08	2.28E-09	3.51E-09	3.46E-08
3167	497363.1	3846377	1.11E-04	1.20E-04	1.93E-04	3.85E-08	1.16E-07	6.74E-08	7.28E-08	6.60E-08	3.01E-08	4.82E-08	0.00E+00	0.00E+00	1.24E-08	2.47E-09	1.57E-08	2.42E-09	3.73E-09	3.67E-08
3168	497863.1	3846377	1.17E-04	1.26E-04	2.02E-04	4.05E-08	1.22E-07	7.08E-08	7.65E-08	6.93E-08	3.16E-08	5.06E-08	0.00E+00	0.00E+00	1.30E-08	2.60E-09	1.65E-08	2.54E-09	3.92E-09	3.85E-08
3169	498363.1	3846377	1.22E-04	1.32E-04	2.11E-04	4.22E-08	1.28E-07	7.38E-08	7.98E-08	7.23E-08	3.30E-08	5.27E-08	0.00E+00	0.00E+00	1.36E-08	2.71E-09	1.72E-08	2.65E-09	4.08E-09	4.02E-08
3170	471363.1	3846877	2.27E-04	2.44E-04	3.86E-04	7.84E-08	2.37E-07	1.37E-07	1.48E-07	1.34E-07	6.11E-08	9.65E-08	0.00E+00	0.00E+00	2.52E-08	5.02E-09	3.18E-08	4.91E-09	7.47E-09	7.44E-08
3171	471863.1	3846877	2.28E-04	2.46E-04	3.87E-04	7.89E-08	2.38E-07	1.38E-07	1.49E-07	1.35E-07	6.15E-08	9.70E-08	0.00E+00	0.00E+00	2.54E-08	5.05E-09	3.20E-08	4.94E-09	7.51E-09	7.49E-08
3172	472363.1	3846877	2.16E-04	2.33E-04	3.67E-04	7.47E-08	2.26E-07	1.31E-07	1.41E-07	1.28E-07	5.83E-08	9.19E-08	0.00E+00	0.00E+00	2.40E-08	4.78E-09	3.03E-08	4.68E-09	7.11E-09	7.09E-08
3173	472863.1	3846877	1.42E-04	1.53E-04	2.42E-04	4.90E-08	1.48E-07	8.56E-08	9.24E-08	8.38E-08	3.82E-08	6.06E-08	0.00E+00	0.00E+00	1.58E-08	3.14E-09	1.99E-08	3.07E-09	4.69E-09	4.66E-08
3174	473363.1	3846877	1.48E-04	1.60E-04	2.54E-04	5.14E-08	1.55E-07	8.98E-08	9.69E-08	8.79E-08	4.01E-08	6.35E-08	0.00E+00	0.00E+00	1.65E-08	3.29E-09	2.09E-08	3.22E-09	4.91E-09	4.88E-08
3175	473863.1	3846877	1.52E-04	1.64E-04	2.59E-04	5.27E-08	1.59E-07	9.21E-08	9.93E-08	9.00E-08	4.11E-08	6.49E-08	0.00E+00	0.00E+00	1.69E-08	3.37E-09	2.14E-08	3.30E-09	5.03E-09	5.00E-08
3176	474363.1	3846877	1.54E-04	1.66E-04	2.63E-04	5.34E-08	1.61E-07	9.33E-08	1.01E-07	9.12E-08	4.16E-08	6.57E-08	0.00E+00	0.00E+00	1.72E-08	3.42E-09	2.17E-08	3.34E-09	5.09E-09	5.07E-08
3177	474863.1	3846877	1.69E-04	1.83E-04	2.89E-04	5.86E-08	1.77E-07	1.02E-07	1.11E-07	1.00E-07	4.57E-08	7.22E-08	0.00E+00	0.00E+00	1.89E-08	3.75E-09	2.38E-08	3.67E-09	5.59E-09	5.57E-08
3178	475363.1	3846877	2.01E-04	2.17E-04	3.44E-04	6.97E-08	2.11E-07	1.22E-07	1.32E-07	1.19E-07	5.44E-08	8.60E-08	0.00E+00	0.00E+00	2.24E-08	4.46E-09	2.83E-08	4.37E-09	6.66E-09	6.62E-08
3179	475863.1	3846877	2.63E-04	2.84E-04	4.50E-04	9.11E-08	2.75E-07	1.59E-07	1.72E-07	1.56E-07	7.11E-08	1.13E-07	0.00E+00	0.00E+00	2.93E-08	5.83E-09	3.70E-08	5.71E-09	8.72E-09	8.66E-08
3180	476363.1	3846877	2.77E-04	2.99E-04	4.74E-04	9.60E-08	2.90E-07	1.68E-07	1.81E-07	1.64E-07	7.49E-08	1.19E-07	0.00E+00	0.00E+00	3.09E-08	6.15E-09	3.90E-08	6.02E-09	9.19E-09	9.13E-08
3181	476863.1	3846877	2.50E-04	2.70E-04	4.27E-04	8.66E-08	2.61E-07	1.51E-07	1.63E-07	1.48E-07	6.76E-08	1.07E-07	0.00E+00	0.00E+00	2.78E-08	5.54E-09	3.52E-08	5.42E-09	8.28E-09	8.23E-08
3182	477363.1	3846877	2.17E-04	2.34E-04	3.70E-04	7.51E-08	2.27E-07	1.31E-07	1.42E-07	1.28E-07	5.85E-08	9.25E-08	0.00E+00	0.00E+00	2.41E-08	4.80E-09	3.05E-08	4.70E-09	7.16E-09	7.13E-08
3183	477863.1	3846877	1.87E-04	2.02E-04	3.19E-04	6.48E-08	1.96E-07	1.13E-07	1.22E-07	1.11E-07	5.05E-08	7.98E-08	0.00E+00	0.00E+00	2.08E-08	4.15E-09	2.63E-08	4.06E-09	6.18E-09	6.15E-08
3184	478363.1	3846877	1.70E-04	1.83E-04	2.88E-04	5.88E-08	1.77E-07	1.03E-07	1.11E-07	1.00E-07	4.58E-08	7.21E-08	0.00E+00	0.00E+00	1.89E-08	3.76E-09	2.39E-08	3.68E-09	5.58E-09	5.58E-08
3185	478863.1	3846877	1.67E-04	1.80E-04	2.84E-04	5.79E-08	1.75E-07	1.01E-07	1.09E-07	9.89E-08	4.51E-08	7.10E-08	0.00E+00	0.00E+00	1.86E-08	3.70E-09	2.35E-08	3.62E-09	5.50E-09	5.49E-08

3186	479363.1	3846877	1.58E-04	1.70E-04	2.69E-04	5.47E-08	1.65E-07	9.56E-08	1.03E-07	9.35E-08	4.27E-08	6.72E-08	0.00E+00	0.00E+00	1.76E-08	3.50E-09	2.22E-08	3.43E-09	5.20E-09	5.19E-08
3187	479863.1	3846877	1.24E-04	1.34E-04	2.10E-04	4.29E-08	1.30E-07	7.50E-08	8.09E-08	7.33E-08	3.35E-08	5.26E-08	0.00E+00	0.00E+00	1.38E-08	2.74E-09	1.74E-08	2.69E-09	4.07E-09	4.07E-08
3188	480363.1	3846877	1.06E-04	1.14E-04	1.80E-04	3.68E-08	1.11E-07	6.42E-08	6.93E-08	6.28E-08	2.86E-08	4.51E-08	0.00E+00	0.00E+00	1.18E-08	2.35E-09	1.49E-08	2.30E-09	3.49E-09	3.49E-08
3189	480863.1	3846877	9.96E-05	1.07E-04	1.70E-04	3.45E-08	1.04E-07	6.03E-08	6.50E-08	5.89E-08	2.69E-08	4.24E-08	0.00E+00	0.00E+00	1.11E-08	2.21E-09	1.40E-08	2.16E-09	3.29E-09	3.28E-08
3190	481363.1	3846877	1.01E-04	1.09E-04	1.71E-04	3.49E-08	1.05E-07	6.10E-08	6.58E-08	5.96E-08	2.72E-08	4.28E-08	0.00E+00	0.00E+00	1.12E-08	2.23E-09	1.42E-08	2.19E-09	3.32E-09	3.31E-08
3191	481863.1	3846877	9.72E-05	1.05E-04	1.65E-04	3.36E-08	1.02E-07	5.88E-08	6.34E-08	5.75E-08	2.62E-08	4.13E-08	0.00E+00	0.00E+00	1.08E-08	2.15E-09	1.37E-08	2.11E-09	3.20E-09	3.19E-08
3192	482363.1	3846877	8.53E-05	9.20E-05	1.45E-04	2.95E-08	8.91E-08	5.16E-08	5.56E-08	5.04E-08	2.30E-08	3.63E-08	0.00E+00	0.00E+00	9.49E-09	1.89E-09	1.20E-08	1.85E-09	2.81E-09	2.80E-08
3193	482863.1	3846877	8.24E-05	8.88E-05	1.40E-04	2.85E-08	8.61E-08	4.98E-08	5.37E-08	4.87E-08	2.22E-08	3.50E-08	0.00E+00	0.00E+00	9.17E-09	1.82E-09	1.16E-08	1.78E-09	2.71E-09	2.71E-08
3194	483363.1	3846877	7.95E-05	8.57E-05	1.35E-04	2.75E-08	8.31E-08	4.81E-08	5.19E-08	4.70E-08	2.15E-08	3.38E-08	0.00E+00	0.00E+00	8.85E-09	1.76E-09	1.12E-08	1.72E-09	2.62E-09	2.61E-08
3195	483863.1	3846877	7.68E-05	8.29E-05	1.31E-04	2.66E-08	8.03E-08	4.65E-08	5.01E-08	4.54E-08	2.07E-08	3.27E-08	0.00E+00	0.00E+00	8.55E-09	1.70E-09	1.08E-08	1.67E-09	2.53E-09	2.52E-08
3196	484363.1	3846877	7.43E-05	8.01E-05	1.26E-04	2.57E-08	7.77E-08	4.50E-08	4.85E-08	4.39E-08	2.01E-08	3.16E-08	0.00E+00	0.00E+00	8.27E-09	1.65E-09	1.04E-08	1.61E-09	2.45E-09	2.44E-08
3197	484863.1	3846877	7.15E-05	7.71E-05	1.21E-04	2.48E-08	7.47E-08	4.33E-08	4.66E-08	4.23E-08	1.93E-08	3.04E-08	0.00E+00	0.00E+00	7.96E-09	1.58E-09	1.00E-08	1.55E-09	2.35E-09	2.35E-08
3198	485363.1	3846877	7.06E-05	7.62E-05	1.20E-04	2.44E-08	7.38E-08	4.27E-08	4.61E-08	4.18E-08	1.91E-08	3.01E-08	0.00E+00	0.00E+00	7.86E-09	1.56E-09	9.92E-09	1.53E-09	2.33E-09	2.32E-08
3199	485863.1	3846877	6.68E-05	7.20E-05	1.14E-04	2.31E-08	6.98E-08	4.04E-08	4.36E-08	3.95E-08	1.80E-08	2.85E-08	0.00E+00	0.00E+00	7.43E-09	1.48E-09	9.39E-09	1.45E-09	2.21E-09	2.20E-08
3200	486363.1	3846877	6.72E-05	7.25E-05	1.14E-04	2.33E-08	7.03E-08	4.07E-08	4.39E-08	3.98E-08	1.81E-08	2.86E-08	0.00E+00	0.00E+00	7.49E-09	1.49E-09	9.45E-09	1.46E-09	2.22E-09	2.21E-08
3201	486863.1	3846877	6.00E-05	6.48E-05	1.02E-04	2.08E-08	6.27E-08	3.63E-08	3.92E-08	3.55E-08	1.62E-08	2.56E-08	0.00E+00	0.00E+00	6.68E-09	1.33E-09	8.44E-09	1.30E-09	1.98E-09	1.97E-08
3202	487363.1	3846877	5.99E-05	6.46E-05	1.02E-04	2.07E-08	6.26E-08	3.62E-08	3.91E-08	3.54E-08	1.62E-08	2.56E-08	0.00E+00	0.00E+00	6.66E-09	1.33E-09	8.42E-09	1.30E-09	1.98E-09	1.97E-08
3203	487863.1	3846877	5.91E-05	6.38E-05	1.01E-04	2.05E-08	6.18E-08	3.58E-08	3.86E-08	3.50E-08	1.60E-08	2.53E-08	0.00E+00	0.00E+00	6.58E-09	1.31E-09	8.32E-09	1.28E-09	1.96E-09	1.95E-08
3204	488363.1	3846877	5.84E-05	6.31E-05	1.00E-04	2.02E-08	6.11E-08	3.53E-08	3.82E-08	3.46E-08	1.58E-08	2.51E-08	0.00E+00	0.00E+00	6.50E-09	1.29E-09	8.22E-09	1.27E-09	1.94E-09	1.92E-08
3205	488863.1	3846877	5.94E-05	6.41E-05	1.02E-04	2.06E-08	6.21E-08	3.59E-08	3.88E-08	3.52E-08	1.60E-08	2.55E-08	0.00E+00	0.00E+00	6.61E-09	1.32E-09	8.35E-09	1.29E-09	1.98E-09	1.95E-08
3206	489363.1	3846877	6.03E-05	6.52E-05	1.04E-04	2.09E-08	6.31E-08	3.65E-08	3.94E-08	3.57E-08	1.63E-08	2.60E-08	0.00E+00	0.00E+00	6.72E-09	1.34E-09	8.49E-09	1.31E-09	2.01E-09	1.99E-08
3207	489863.1	3846877	5.99E-05	6.47E-05	1.03E-04	2.07E-08	6.26E-08	3.63E-08	3.92E-08	3.55E-08	1.62E-08	2.58E-08	0.00E+00	0.00E+00	6.67E-09	1.33E-09	8.43E-09	1.30E-09	2.00E-09	1.97E-08
3208	490363.1	3846877	5.65E-05	6.11E-05	9.77E-05	1.96E-08	5.91E-08	3.42E-08	3.69E-08	3.35E-08	1.53E-08	2.45E-08	0.00E+00	0.00E+00	6.29E-09	1.25E-09	7.96E-09	1.23E-09	1.89E-09	1.86E-08
3209	490863.1	3846877	5.72E-05	6.18E-05	9.90E-05	1.98E-08	5.98E-08	3.46E-08	3.74E-08	3.39E-08	1.55E-08	2.48E-08	0.00E+00	0.00E+00	6.37E-09	1.27E-09	8.06E-09	1.24E-09	1.92E-09	1.89E-08
3210	491363.1	3846877	5.87E-05	6.35E-05	1.02E-04	2.03E-08	6.14E-08	3.55E-08	3.84E-08	3.48E-08	1.59E-08	2.55E-08	0.00E+00	0.00E+00	6.54E-09	1.30E-09	8.27E-09	1.28E-09	1.97E-09	1.94E-08
3211	491863.1	3846877	5.90E-05	6.38E-05	1.02E-04	2.04E-08	6.17E-08	3.57E-08	3.86E-08	3.50E-08	1.60E-08	2.56E-08	0.00E+00	0.00E+00	6.57E-09	1.31E-09	8.31E-09	1.28E-09	1.98E-09	1.95E-08
3212	492363.1	3846877	6.59E-05	7.12E-05	1.14E-04	2.28E-08	6.89E-08	3.99E-08	4.31E-08	3.91E-08	1.78E-08	2.85E-08	0.00E+00	0.00E+00	7.34E-09	1.46E-09	9.28E-09	1.43E-09	2.21E-09	2.17E-08
3213	492863.1	3846877	6.93E-05	7.49E-05	1.20E-04	2.40E-08	7.24E-08	4.19E-08	4.53E-08	4.11E-08	1.87E-08	3.00E-08	0.00E+00	0.00E+00	7.71E-09	1.54E-09	9.76E-09	1.50E-09	2.32E-09	2.28E-08
3214	493363.1	3846877	7.46E-05	8.06E-05	1.29E-04	2.58E-08	7.80E-08	4.52E-08	4.88E-08	4.42E-08	2.02E-08	3.23E-08	0.00E+00	0.00E+00	8.31E-09	1.66E-09	1.05E-08	1.62E-09	2.50E-09	2.46E-08
3215	493863.1	3846877	7.95E-05	8.60E-05	1.38E-04	2.75E-08	8.31E-08	4.81E-08	5.20E-08	4.71E-08	2.15E-08	3.44E-08	0.00E+00	0.00E+00	8.85E-09	1.77E-09	1.12E-08	1.73E-09	2.67E-09	2.62E-08
3216	494363.1	3846877	8.45E-05	9.13E-05	1.46E-04	2.92E-08	8.83E-08	5.11E-08	5.52E-08	5.01E-08	2.28E-08	3.66E-08	0.00E+00	0.00E+00	9.40E-09	1.87E-09	1.19E-08	1.83E-09	2.83E-09	2.78E-08
3217	494863.1	3846877	9.02E-05	9.75E-05	1.56E-04	3.12E-08	9.43E-08	5.46E-08	5.90E-08	5.35E-08	2.44E-08	3.91E-08	0.00E+00	0.00E+00	1.00E-08	2.00E-09	1.27E-08	1.96E-09	3.02E-09	2.97E-08
3218	495363.1	3846877	9.63E-05	1.04E-04	1.67E-04	3.33E-08	1.01E-07	5.82E-08	6.30E-08	5.71E-08	2.60E-08	4.17E-08	0.00E+00	0.00E+00	1.07E-08	2.14E-09	1.36E-08	2.09E-09	3.23E-09	3.17E-08
3219	495863.1	3846877	1.02E-04	1.11E-04	1.77E-04	3.55E-08	1.07E-07	6.20E-08	6.70E-08	6.07E-08	2.77E-08	4.44E-08	0.00E+00	0.00E+00	1.14E-08	2.27E-09	1.44E-08	2.23E-09	3.44E-09	3.38E-08
3220	496363.1	3846877	1.09E-04	1.18E-04	1.89E-04	3.78E-08	1.14E-07	6.61E-08	7.14E-08	6.47E-08	2.95E-08	4.73E-08	0.00E+00	0.00E+00	1.22E-08	2.42E-09	1.54E-08	2.37E-09	3.66E-09	3.60E-08
3221	496863.1	3846877	1.18E-04	1.27E-04	2.03E-04	4.07E-08	1.23E-07	7.11E-08	7.68E-08	6.96E-08	3.18E-08	5.09E-08	0.00E+00	0.00E+00	1.31E-08	2.61E-09	1.65E-08	2.55E-09	3.94E-09	3.87E-08
3222	497363.1	3846877	1.28E-04	1.38E-04	2.21E-04	4.42E-08	1.33E-07	7.72E-08	8.35E-08	7.57E-08	3.45E-08	5.52E-08	0.00E+00	0.00E+00	1.42E-08	2.83E-09	1.80E-08	2.77E-09	4.27E-09	4.21E-08
3223	497863.1	3846877	1.37E-04	1.48E-04	2.36E-04	4.74E-08	1.43E-07	8.28E-08	8.94E-08	8.11E-08	3.70E-08	5.91E-08	0.00E+00	0.00E+00	1.52E-08	3.04E-09	1.93E-08	2.97E-09	4.58E-09	4.51E-08
3224	498363.1	3846877	1.42E-04	1.53E-04	2.45E-04	4.91E-08	1.48E-07	8.58E-08	9.27E-08	8.41E-08	3.84E-08	6.13E-08	0.00E+00	0.00E+00	1.58E-08	3.15E-09	2.00E-08	3.08E-09	4.75E-09	4.67E-08
3225	471363.1	3847377	2.46E-04	2.66E-04	4.21E-04	8.53E-08	2.58E-07	1.49E-07	1.61E-07	1.46E-07	6.65E-08	1.05E-07	0.00E+00	0.00E+00	2.74E-08	5.46E-09	3.46E-08	5.34E-09	8.15E-09	8.10E-08
3226	471863.1	3847377	2.49E-04	2.68E-04	4.24E-04	8.61E-08	2.60E-07	1.50E-07	1.62E-07	1.47E-07	6.71E-08	1.06E-07	0.00E+00	0.00E+00	2.77E-08	5.51E-09	3.49E-08	5.39E-09	8.21E-09	8.17E-08
3227	472363.1	3847377	2.50E-04	2.70E-04	4.25E-04	8.65E-08	2.61E-07	1.51E-07	1.63E-07	1.48E-07	6.75E-08	1.06E-07	0.00E+00	0.00E+00	2.78E-08	5.54E-09	3.51E-08	5.42E-09	8.24E-09	8.21E-08
3228	472863.1	3847377	2.39E-04	2.58E-04	4.07E-04	8.28E-08	2.50E-07	1.45E-07	1.56E-07	1.41E-07	6.45E-08	1.02E-07	0.00E+00	0.00E+00	2.66E-08	5.30E-09	3.36E-08	5.18E-09	7.88E-09	7.86E-08
3229	473363.1	3847377	1.89E-04	2.04E-04	3.23E-04	6.56E-08	1.98E-07	1.15E-07	1.24E-07	1.12E-07	5.11E-08	8.08E-08	0.00E+00	0.00E+00	2.11E-08	4.20E-09	2.66E-08	4.11E-09	6.26E-09	6.23E-08
3230	473863.1	3847377	1.82E-04	1.96E-04	3.10E-04	6.29E-08	1.90E-07	1.10E-07	1.19E-07	1.08E-07	4.91E-08	7.76E-08	0.00E+00	0.00E+00	2.02E-08	4.03E-09	2.56E-08	3.94E-09	6.01E-09	5.98E-08
3231	474363.1	3847377	1.81E-04	1.95E-04	3.08E-04	6.25E-08	1.89E-07	1.09E-07	1.18E-07	1.07E-07	4.88E-08	7.70E-08	0.00E+00	0.00E+00	2.01E-08	4.00E-09	2.54E-08	3.92E-09	5.96E-09	5.94E-08
3232	474863.1	3847377	1.73E-04	1.86E-04	2.94E-04	5.98E-08	1.81E-07	1.05E-07	1.13E-07	1.02E-07	4.66E-08	7.36E-08	0.00E+00	0.00E+00	1.92E-08	3.83E-09	2.43E-08	3.75E-09	5.70E-09	5.68E-08
3233	475363.1	3847377	1.80E-04	1.94E-04	3.07E-04	6.23E-08	1.88E-07	1.09E-07	1.18E-07	1.07E-07	4.86E-08	7.68E-08	0.00E+00	0.00E+00	2.00E-08	3.99E-09	2.53E-08	3.90E-09	5.95E-09	5.92E-08
3234	475863.1	3847377	2.42E-04	2.61E-04	4.13E-04	8.38E-08	2.53E-07	1.46E-07	1.58E-07	1.43E-07	6.54E-08	1.03E-07	0.00E+00	0.00E+00	2.69E-08	5.36E-09	3.40E-08	5.25E-09	8.00E-09	7.96E-08
3235	476363.1	3847377	3.23E-04	3.49E-04	5.53E-04	1.12E-07	3.38E-07	1.96E-07	2.11E-07	1.91E-07	8.73E-08	1.38E-07	0.00E+00	0.00E+00	3.60E-08	7.17E-09	4.55E-08	7.01E-09	1.07E-08	1.06E-07
3236	476863.1	3847377	3.10E-04	3.34E-04	5.30E-04	1.07E-07	3.24E-07	1.88E-07	2.02E-07	1.83E-07	8.37E-08	1.33E-07	0.00E+00	0.00E+00	3.45E-08	6.87E-09	4.36E-08	6.72E-09	1.03E-08	1.02E-07
3237	477363.1	3847377	2.81E-04	3.04E-04	4.80E-04	9.74E-08	2.94E-07	1.70E-07	1.84E-07	1.67E-07	7.60E-08	1.20E-07	0.00E+00	0.00E+00	3.13E-08	6.24E-09	3.96E-08	6.10E-09	9.31E-09	9.26E-08
3238	477863.1	3847377	2.38E-04	2.57E-04	4.07E-04	8.25E-08	2.49E-07	1.44E-07	1.56E-07	1.41E-07	6.44E-08	1.02E-07	0.00E+00	0.00E+00	2.65E-08	5.28E-09	3.35E-08	5.17E-09	7.88E-09	7.84E-08
3239	478363.1	3847377	2.11E-04	2.28E-04	3.59E-04	7.31E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.70E-08	8.98E-08	0.00E+00	0.00E+00	2.35E-08	4.67E-09	2.97E-08	4.57E-09	6.95E-09	6.94E-08
3240	478863.1	3847377	1.99E-04	2.14E-04	3.37E-04	6.88E-08	2.08E-07	1.20E-07	1.30E-07	1.17E-07	5.36E-08	8.44E-08	0.00E+00	0.00E+00	2.21E-08	4.40E-09	2.79E-08	4.30E-09	6.53E-09	6.53E-08
3241	479363.1	3847377	1.62E-04	1.75E-04	2.75E-04	5.61E-08	1.69E-07	9.81E-08	1.06E-07	9.59E-08	4.38E-08	6.89E-08	0.00E+00	0.00E+00	1.81E-08	3.59E-09	2.28E-08	3.51E-09	5.34E-09	5.33E-08
3242	479863.1	3847377	1.20E-04	1.30E-04	2.05E-04	4.17E-08	1.26E-07	7.28E-08	7.86E-08	7.12E-08	3.25E-08	5.12E-08	0.00E+00	0.00E+00	1.34E-08	2.67E-09	1.69E-08	2.61E-09	3.97E-09	3.96E-08

3243	480363.1	3847377	9.16E-05	9.88E-05	1.56E-04	3.17E-08	9.57E-08	5.54E-08	5.98E-08	5.42E-08	2.47E-08	3.91E-08	0.00E+00	0.00E+00	1.02E-08	2.03E-09	1.29E-08	1.99E-09	3.03E-09	3.01E-08
3244	480863.1	3847377	8.39E-05	9.06E-05	1.43E-04	2.91E-08	8.77E-08	5.08E-08	5.48E-08	4.97E-08	2.27E-08	3.59E-08	0.00E+00	0.00E+00	9.34E-09	1.86E-09	1.18E-08	1.82E-09	2.78E-09	2.76E-08
3245	481363.1	3847377	9.05E-05	9.76E-05	1.54E-04	3.13E-08	9.46E-08	5.47E-08	5.91E-08	5.35E-08	2.44E-08	3.86E-08	0.00E+00	0.00E+00	1.01E-08	2.00E-09	1.27E-08	1.96E-09	2.99E-09	2.97E-08
3246	481863.1	3847377	1.06E-04	1.15E-04	1.80E-04	3.68E-08	1.11E-07	6.43E-08	6.94E-08	6.29E-08	2.87E-08	4.52E-08	0.00E+00	0.00E+00	1.18E-08	2.35E-09	1.49E-08	2.30E-09	3.50E-09	3.49E-08
3247	482363.1	3847377	1.02E-04	1.09E-04	1.72E-04	3.51E-08	1.06E-07	6.14E-08	6.62E-08	6.00E-08	2.74E-08	4.31E-08	0.00E+00	0.00E+00	1.13E-08	2.25E-09	1.43E-08	2.20E-09	3.34E-09	3.34E-08
3248	482863.1	3847377	9.51E-05	1.02E-04	1.61E-04	3.29E-08	9.94E-08	5.75E-08	6.20E-08	5.62E-08	2.57E-08	4.03E-08	0.00E+00	0.00E+00	1.06E-08	2.10E-09	1.34E-08	2.06E-09	3.12E-09	3.12E-08
3249	483363.1	3847377	8.97E-05	9.67E-05	1.52E-04	3.10E-08	9.37E-08	5.42E-08	5.85E-08	5.30E-08	2.42E-08	3.81E-08	0.00E+00	0.00E+00	9.98E-09	1.99E-09	1.26E-08	1.94E-09	2.95E-09	2.95E-08
3250	483863.1	3847377	8.63E-05	9.30E-05	1.47E-04	2.99E-08	9.02E-08	5.22E-08	5.63E-08	5.10E-08	2.33E-08	3.67E-08	0.00E+00	0.00E+00	9.61E-09	1.91E-09	1.21E-08	1.87E-09	2.84E-09	2.84E-08
3251	484363.1	3847377	8.69E-05	9.36E-05	1.47E-04	3.01E-08	9.08E-08	5.26E-08	5.67E-08	5.14E-08	2.34E-08	3.69E-08	0.00E+00	0.00E+00	9.67E-09	1.92E-09	1.22E-08	1.88E-09	2.86E-09	2.85E-08
3252	484863.1	3847377	8.24E-05	8.88E-05	1.40E-04	2.85E-08	8.61E-08	4.98E-08	5.37E-08	4.87E-08	2.22E-08	3.50E-08	0.00E+00	0.00E+00	9.17E-09	1.82E-09	1.16E-08	1.78E-09	2.71E-09	2.71E-08
3253	485363.1	3847377	8.01E-05	8.63E-05	1.36E-04	2.77E-08	8.37E-08	4.84E-08	5.22E-08	4.74E-08	2.16E-08	3.41E-08	0.00E+00	0.00E+00	8.91E-09	1.77E-09	1.13E-08	1.74E-09	2.64E-09	2.63E-08
3254	485863.1	3847377	7.88E-05	8.50E-05	1.34E-04	2.73E-08	8.24E-08	4.77E-08	5.14E-08	4.66E-08	2.13E-08	3.35E-08	0.00E+00	0.00E+00	8.77E-09	1.75E-09	1.11E-08	1.71E-09	2.60E-09	2.59E-08
3255	486363.1	3847377	7.73E-05	8.33E-05	1.31E-04	2.67E-08	8.08E-08	4.68E-08	5.04E-08	4.57E-08	2.09E-08	3.29E-08	0.00E+00	0.00E+00	8.60E-09	1.71E-09	1.09E-08	1.67E-09	2.54E-09	2.54E-08
3256	486863.1	3847377	7.05E-05	7.60E-05	1.20E-04	2.44E-08	7.37E-08	4.26E-08	4.60E-08	4.17E-08	1.90E-08	3.00E-08	0.00E+00	0.00E+00	7.84E-09	1.56E-09	9.90E-09	1.53E-09	2.33E-09	2.32E-08
3257	487363.1	3847377	6.99E-05	7.54E-05	1.19E-04	2.42E-08	7.30E-08	4.23E-08	4.56E-08	4.14E-08	1.89E-08	2.98E-08	0.00E+00	0.00E+00	7.78E-09	1.55E-09	9.82E-09	1.52E-09	2.31E-09	2.30E-08
3258	487863.1	3847377	6.65E-05	7.17E-05	1.14E-04	2.30E-08	6.95E-08	4.02E-08	4.34E-08	3.93E-08	1.80E-08	2.84E-08	0.00E+00	0.00E+00	7.40E-09	1.47E-09	9.35E-09	1.44E-09	2.20E-09	2.19E-08
3259	488363.1	3847377	6.60E-05	7.13E-05	1.13E-04	2.29E-08	6.90E-08	3.99E-08	4.31E-08	3.91E-08	1.78E-08	2.83E-08	0.00E+00	0.00E+00	7.35E-09	1.46E-09	9.29E-09	1.43E-09	2.19E-09	2.17E-08
3260	488863.1	3847377	6.70E-05	7.23E-05	1.15E-04	2.32E-08	7.00E-08	4.05E-08	4.38E-08	3.97E-08	1.81E-08	2.88E-08	0.00E+00	0.00E+00	7.46E-09	1.49E-09	9.42E-09	1.45E-09	2.23E-09	2.20E-08
3261	489363.1	3847377	6.83E-05	7.37E-05	1.17E-04	2.36E-08	7.13E-08	4.13E-08	4.46E-08	4.04E-08	1.84E-08	2.93E-08	0.00E+00	0.00E+00	7.60E-09	1.51E-09	9.60E-09	1.48E-09	2.27E-09	2.25E-08
3262	489863.1	3847377	6.74E-05	7.28E-05	1.16E-04	2.33E-08	7.04E-08	4.08E-08	4.40E-08	3.99E-08	1.82E-08	2.91E-08	0.00E+00	0.00E+00	7.50E-09	1.49E-09	9.48E-09	1.46E-09	2.25E-09	2.22E-08
3263	490363.1	3847377	6.66E-05	7.20E-05	1.15E-04	2.31E-08	6.97E-08	4.03E-08	4.36E-08	3.95E-08	1.80E-08	2.88E-08	0.00E+00	0.00E+00	7.42E-09	1.48E-09	9.38E-09	1.45E-09	2.23E-09	2.20E-08
3264	490863.1	3847377	6.82E-05	7.37E-05	1.18E-04	2.36E-08	7.13E-08	4.13E-08	4.46E-08	4.04E-08	1.84E-08	2.95E-08	0.00E+00	0.00E+00	7.59E-09	1.51E-09	9.60E-09	1.48E-09	2.28E-09	2.25E-08
3265	491363.1	3847377	6.93E-05	7.49E-05	1.20E-04	2.40E-08	7.24E-08	4.19E-08	4.53E-08	4.11E-08	1.87E-08	3.00E-08	0.00E+00	0.00E+00	7.71E-09	1.54E-09	9.76E-09	1.50E-09	2.32E-09	2.28E-08
3266	491863.1	3847377	7.48E-05	8.08E-05	1.29E-04	2.59E-08	7.82E-08	4.53E-08	4.89E-08	4.43E-08	2.02E-08	3.23E-08	0.00E+00	0.00E+00	8.32E-09	1.66E-09	1.05E-08	1.62E-09	2.50E-09	2.46E-08
3267	492363.1	3847377	7.67E-05	8.29E-05	1.33E-04	2.66E-08	8.02E-08	4.64E-08	5.02E-08	4.55E-08	2.08E-08	3.32E-08	0.00E+00	0.00E+00	8.54E-09	1.70E-09	1.08E-08	1.67E-09	2.57E-09	2.53E-08
3268	492863.1	3847377	8.23E-05	8.90E-05	1.42E-04	2.85E-08	8.61E-08	4.98E-08	5.38E-08	4.88E-08	2.23E-08	3.57E-08	0.00E+00	0.00E+00	9.17E-09	1.83E-09	1.16E-08	1.79E-09	2.76E-09	2.71E-08
3269	493363.1	3847377	8.73E-05	9.43E-05	1.51E-04	3.02E-08	9.12E-08	5.28E-08	5.71E-08	5.17E-08	2.36E-08	3.78E-08	0.00E+00	0.00E+00	9.71E-09	1.94E-09	1.23E-08	1.90E-09	2.93E-09	2.88E-08
3270	493863.1	3847377	9.05E-05	9.78E-05	1.57E-04	3.13E-08	9.46E-08	5.48E-08	5.92E-08	5.36E-08	2.45E-08	3.92E-08	0.00E+00	0.00E+00	1.01E-08	2.01E-09	1.27E-08	1.97E-09	3.04E-09	2.98E-08
3271	494363.1	3847377	9.42E-05	1.02E-04	1.63E-04	3.26E-08	9.84E-08	5.70E-08	6.16E-08	5.58E-08	2.55E-08	4.08E-08	0.00E+00	0.00E+00	1.05E-08	2.09E-09	1.33E-08	2.04E-09	3.16E-09	3.10E-08
3272	494863.1	3847377	9.99E-05	1.08E-04	1.73E-04	3.46E-08	1.04E-07	6.05E-08	6.53E-08	5.92E-08	2.70E-08	4.33E-08	0.00E+00	0.00E+00	1.11E-08	2.22E-09	1.41E-08	2.17E-09	3.35E-09	3.29E-08
3273	495363.1	3847377	1.05E-04	1.14E-04	1.82E-04	3.64E-08	1.10E-07	6.37E-08	6.88E-08	6.24E-08	2.85E-08	4.56E-08	0.00E+00	0.00E+00	1.17E-08	2.34E-09	1.48E-08	2.29E-09	3.53E-09	3.47E-08
3274	495863.1	3847377	1.12E-04	1.21E-04	1.94E-04	3.89E-08	1.17E-07	6.79E-08	7.34E-08	6.66E-08	3.04E-08	4.87E-08	0.00E+00	0.00E+00	1.25E-08	2.49E-09	1.58E-08	2.44E-09	3.77E-09	3.70E-08
3275	496363.1	3847377	1.19E-04	1.29E-04	2.06E-04	4.12E-08	1.24E-07	7.20E-08	7.78E-08	7.06E-08	3.22E-08	5.15E-08	0.00E+00	0.00E+00	1.33E-08	2.64E-09	1.68E-08	2.59E-09	3.99E-09	3.92E-08
3276	496863.1	3847377	1.30E-04	1.40E-04	2.25E-04	4.50E-08	1.36E-07	7.86E-08	8.49E-08	7.70E-08	3.51E-08	5.62E-08	0.00E+00	0.00E+00	1.45E-08	2.88E-09	1.83E-08	2.82E-09	4.35E-09	4.28E-08
3277	497363.1	3847377	1.43E-04	1.55E-04	2.48E-04	4.96E-08	1.50E-07	8.67E-08	9.37E-08	8.49E-08	3.87E-08	6.20E-08	0.00E+00	0.00E+00	1.59E-08	3.18E-09	2.02E-08	3.11E-09	4.80E-09	4.72E-08
3278	497863.1	3847377	1.59E-04	1.72E-04	2.74E-04	5.49E-08	1.66E-07	9.60E-08	1.04E-07	9.41E-08	4.29E-08	6.86E-08	0.00E+00	0.00E+00	1.77E-08	3.52E-09	2.24E-08	3.45E-09	5.31E-09	5.23E-08
3279	498363.1	3847377	1.67E-04	1.81E-04	2.89E-04	5.79E-08	1.75E-07	1.01E-07	1.09E-07	9.91E-08	4.52E-08	7.23E-08	0.00E+00	0.00E+00	1.86E-08	3.71E-09	2.36E-08	3.63E-09	5.60E-09	5.51E-08
3280	471363.1	3847877	2.68E-04	2.89E-04	4.58E-04	9.27E-08	2.80E-07	1.62E-07	1.75E-07	1.58E-07	7.23E-08	1.15E-07	0.00E+00	0.00E+00	2.98E-08	5.93E-09	3.77E-08	5.81E-09	8.87E-09	8.81E-08
3281	471863.1	3847877	2.73E-04	2.95E-04	4.67E-04	9.46E-08	2.86E-07	1.65E-07	1.78E-07	1.62E-07	7.38E-08	1.17E-07	0.00E+00	0.00E+00	3.04E-08	6.06E-09	3.84E-08	5.93E-09	9.04E-09	8.99E-08
3282	472363.1	3847877	2.75E-04	2.97E-04	4.70E-04	9.54E-08	2.88E-07	1.67E-07	1.80E-07	1.63E-07	7.44E-08	1.18E-07	0.00E+00	0.00E+00	3.07E-08	6.10E-09	3.87E-08	5.97E-09	9.10E-09	9.06E-08
3283	472863.1	3847877	2.76E-04	2.98E-04	4.70E-04	9.55E-08	2.88E-07	1.67E-07	1.80E-07	1.63E-07	7.45E-08	1.18E-07	0.00E+00	0.00E+00	3.07E-08	6.11E-09	3.88E-08	5.98E-09	9.10E-09	9.07E-08
3284	473363.1	3847877	2.77E-04	2.99E-04	4.71E-04	9.60E-08	2.90E-07	1.68E-07	1.81E-07	1.64E-07	7.48E-08	1.18E-07	0.00E+00	0.00E+00	3.09E-08	6.14E-09	3.90E-08	6.01E-09	9.13E-09	9.11E-08
3285	473863.1	3847877	2.60E-04	2.80E-04	4.42E-04	9.00E-08	2.72E-07	1.57E-07	1.70E-07	1.54E-07	7.02E-08	1.11E-07	0.00E+00	0.00E+00	2.90E-08	5.76E-09	3.66E-08	5.64E-09	8.57E-09	8.55E-08
3286	474363.1	3847877	2.13E-04	2.30E-04	3.63E-04	7.37E-08	2.22E-07	1.29E-07	1.39E-07	1.26E-07	5.74E-08	9.08E-08	0.00E+00	0.00E+00	2.37E-08	4.71E-09	2.99E-08	4.61E-09	7.03E-09	7.00E-08
3287	474863.1	3847877	2.12E-04	2.28E-04	3.60E-04	7.32E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.71E-08	9.01E-08	0.00E+00	0.00E+00	2.36E-08	4.69E-09	2.97E-08	4.59E-09	6.98E-09	6.95E-08
3288	475363.1	3847877	1.93E-04	2.09E-04	3.29E-04	6.69E-08	2.02E-07	1.17E-07	1.26E-07	1.14E-07	5.22E-08	8.24E-08	0.00E+00	0.00E+00	2.15E-08	4.28E-09	2.72E-08	4.19E-09	6.38E-09	6.36E-08
3289	475863.1	3847877	1.98E-04	2.14E-04	3.38E-04	6.86E-08	2.07E-07	1.20E-07	1.29E-07	1.17E-07	5.35E-08	8.45E-08	0.00E+00	0.00E+00	2.21E-08	4.39E-09	2.79E-08	4.30E-09	6.54E-09	6.52E-08
3290	476363.1	3847877	2.99E-04	3.22E-04	5.09E-04	1.03E-07	3.12E-07	1.81E-07	1.95E-07	1.77E-07	8.07E-08	1.27E-07	0.00E+00	0.00E+00	3.33E-08	6.62E-09	4.20E-08	6.48E-09	9.87E-09	9.83E-08
3291	476863.1	3847877	3.64E-04	3.93E-04	6.22E-04	1.26E-07	3.81E-07	2.20E-07	2.38E-07	2.15E-07	9.83E-08	1.56E-07	0.00E+00	0.00E+00	4.05E-08	8.07E-09	5.12E-08	7.90E-09	1.21E-08	1.20E-07
3292	477363.1	3847877	3.61E-04	3.89E-04	6.16E-04	1.25E-07	3.77E-07	2.18E-07	2.35E-07	2.13E-07	9.74E-08	1.54E-07	0.00E+00	0.00E+00	4.01E-08	7.99E-09	5.07E-08	7.82E-09	1.19E-08	1.19E-07
3293	477863.1	3847877	3.15E-04	3.40E-04	5.37E-04	1.09E-07	3.29E-07	1.91E-07	2.06E-07	1.86E-07	8.51E-08	1.34E-07	0.00E+00	0.00E+00	3.51E-08	6.98E-09	4.43E-08	6.83E-09	1.04E-08	1.04E-07
3294	478363.1	3847877	2.69E-04	2.90E-04	4.59E-04	9.32E-08	2.81E-07	1.63E-07	1.76E-07	1.59E-07	7.27E-08	1.15E-07	0.00E+00	0.00E+00	3.00E-08	5.96E-09	3.78E-08	5.83E-09	8.89E-09	8.85E-08
3295	478863.1	3847877	2.33E-04	2.51E-04	3.96E-04	8.07E-08	2.44E-07	1.41E-07	1.52E-07	1.38E-07	6.29E-08	9.91E-08	0.00E+00	0.00E+00	2.60E-08	5.16E-09	3.28E-08	5.05E-09	7.67E-09	7.66E-08
3296	479363.1	3847877	1.63E-04	1.76E-04	2.78E-04	5.66E-08	1.71E-07	9.89E-08	1.07E-07	9.67E-08	4.41E-08	6.96E-08	0.00E+00	0.00E+00	1.82E-08	3.62E-09	2.30E-08	3.54E-09	5.39E-09	5.37E-08
3297	479863.1	3847877	1.05E-04	1.14E-04	1.80E-04	3.64E-08	1.10E-07	6.37E-08	6.87E-08	6.23E-08	2.84E-08	4.50E-08	0.00E+00	0.00E+00	1.17E-08	2.33E-09	1.48E-08	2.28E-09	3.48E-09	3.46E-08
3298	480363.1	3847877	1.07E-04	1.16E-04	1.82E-04	3.71E-08	1.12E-07	6.48E-08	6.99E-08	6.34E-08	2.89E-08	4.57E-08	0.00E+00	0.00E+00	1.19E-08	2.37E-09	1.51E-08	2.32E-09	3.54E-09	3.52E-08
3299	480863.1	3847877	9.71E-05	1.05E-04	1.66E-04	3.36E-08	1.01E-07	5.87E-08	6.34E-08	5.74E-08	2.62E-08	4.14E-08	0.00E+00	0.00E+00	1.08E-08	2.15E-09	1.36E-08	2.10E-09	3.21E-09	3.19E-08

3300	481363.1	3847877	9.84E-05	1.06E-04	1.68E-04	3.40E-08	1.03E-07	5.95E-08	6.42E-08	5.82E-08	2.66E-08	4.20E-08	0.00E+00	0.00E+00	1.09E-08	2.18E-09	1.38E-08	2.13E-09	3.25E-09	3.23E-08
3301	481863.1	3847877	1.23E-04	1.33E-04	2.09E-04	4.26E-08	1.29E-07	7.44E-08	8.02E-08	7.27E-08	3.32E-08	5.22E-08	0.00E+00	0.00E+00	1.37E-08	2.72E-09	1.73E-08	2.66E-09	4.04E-09	4.04E-08
3302	482363.1	3847877	1.16E-04	1.26E-04	1.98E-04	4.03E-08	1.22E-07	7.05E-08	7.60E-08	6.89E-08	3.14E-08	4.95E-08	0.00E+00	0.00E+00	1.30E-08	2.58E-09	1.64E-08	2.52E-09	3.83E-09	3.83E-08
3303	482863.1	3847877	1.07E-04	1.15E-04	1.81E-04	3.70E-08	1.12E-07	6.46E-08	6.97E-08	6.31E-08	2.88E-08	4.53E-08	0.00E+00	0.00E+00	1.19E-08	2.36E-09	1.50E-08	2.31E-09	3.51E-09	3.51E-08
3304	483363.1	3847877	1.01E-04	1.09E-04	1.72E-04	3.51E-08	1.06E-07	6.14E-08	6.61E-08	6.00E-08	2.74E-08	4.30E-08	0.00E+00	0.00E+00	1.13E-08	2.25E-09	1.42E-08	2.20E-09	3.33E-09	3.33E-08
3305	483863.1	3847877	9.90E-05	1.07E-04	1.68E-04	3.43E-08	1.03E-07	5.99E-08	6.46E-08	5.85E-08	2.67E-08	4.21E-08	0.00E+00	0.00E+00	1.10E-08	2.19E-09	1.39E-08	2.15E-09	3.26E-09	3.25E-08
3306	484363.1	3847877	9.85E-05	1.06E-04	1.67E-04	3.41E-08	1.03E-07	5.96E-08	6.42E-08	5.82E-08	2.66E-08	4.18E-08	0.00E+00	0.00E+00	1.10E-08	2.18E-09	1.38E-08	2.13E-09	3.23E-09	3.23E-08
3307	484863.1	3847877	9.52E-05	1.03E-04	1.62E-04	3.29E-08	9.95E-08	5.76E-08	6.21E-08	5.63E-08	2.57E-08	4.04E-08	0.00E+00	0.00E+00	1.06E-08	2.11E-09	1.34E-08	2.06E-09	3.13E-09	3.13E-08
3308	485363.1	3847877	9.38E-05	1.01E-04	1.59E-04	3.25E-08	9.80E-08	5.67E-08	6.12E-08	5.55E-08	2.53E-08	3.98E-08	0.00E+00	0.00E+00	1.04E-08	2.08E-09	1.32E-08	2.03E-09	3.09E-09	3.08E-08
3309	485863.1	3847877	9.24E-05	9.96E-05	1.57E-04	3.20E-08	9.66E-08	5.59E-08	6.03E-08	5.46E-08	2.49E-08	3.92E-08	0.00E+00	0.00E+00	1.03E-08	2.05E-09	1.30E-08	2.00E-09	3.04E-09	3.03E-08
3310	486363.1	3847877	8.63E-05	9.30E-05	1.47E-04	2.99E-08	9.02E-08	5.22E-08	5.63E-08	5.10E-08	2.33E-08	3.67E-08	0.00E+00	0.00E+00	9.61E-09	1.91E-09	1.21E-08	1.87E-09	2.84E-09	2.84E-08
3311	486863.1	3847877	8.15E-05	8.79E-05	1.39E-04	2.82E-08	8.52E-08	4.93E-08	5.32E-08	4.82E-08	2.20E-08	3.47E-08	0.00E+00	0.00E+00	9.07E-09	1.80E-09	1.15E-08	1.77E-09	2.68E-09	2.68E-08
3312	487363.1	3847877	7.91E-05	8.53E-05	1.35E-04	2.74E-08	8.26E-08	4.78E-08	5.16E-08	4.68E-08	2.13E-08	3.37E-08	0.00E+00	0.00E+00	8.80E-09	1.75E-09	1.11E-08	1.71E-09	2.61E-09	2.60E-08
3313	487863.1	3847877	7.60E-05	8.21E-05	1.30E-04	2.63E-08	7.95E-08	4.60E-08	4.96E-08	4.50E-08	2.05E-08	3.26E-08	0.00E+00	0.00E+00	8.46E-09	1.69E-09	1.07E-08	1.65E-09	2.52E-09	2.50E-08
3314	488363.1	3847877	7.60E-05	8.20E-05	1.30E-04	2.63E-08	7.94E-08	4.60E-08	4.96E-08	4.50E-08	2.05E-08	3.26E-08	0.00E+00	0.00E+00	8.46E-09	1.68E-09	1.07E-08	1.65E-09	2.53E-09	2.50E-08
3315	488863.1	3847877	7.73E-05	8.34E-05	1.33E-04	2.67E-08	8.08E-08	4.68E-08	5.05E-08	4.58E-08	2.09E-08	3.32E-08	0.00E+00	0.00E+00	8.60E-09	1.71E-09	1.09E-08	1.68E-09	2.57E-09	2.54E-08
3316	489363.1	3847877	7.92E-05	8.56E-05	1.36E-04	2.74E-08	8.28E-08	4.80E-08	5.18E-08	4.69E-08	2.14E-08	3.40E-08	0.00E+00	0.00E+00	8.82E-09	1.76E-09	1.11E-08	1.72E-09	2.64E-09	2.61E-08
3317	489863.1	3847877	8.33E-05	9.00E-05	1.43E-04	2.88E-08	8.71E-08	5.04E-08	5.44E-08	4.93E-08	2.25E-08	3.58E-08	0.00E+00	0.00E+00	9.28E-09	1.85E-09	1.17E-08	1.81E-09	2.77E-09	2.74E-08
3318	490363.1	3847877	8.50E-05	9.18E-05	1.46E-04	2.94E-08	8.88E-08	5.14E-08	5.55E-08	5.03E-08	2.30E-08	3.66E-08	0.00E+00	0.00E+00	9.46E-09	1.88E-09	1.20E-08	1.84E-09	2.83E-09	2.80E-08
3319	490863.1	3847877	8.54E-05	9.22E-05	1.47E-04	2.96E-08	8.92E-08	5.17E-08	5.58E-08	5.06E-08	2.31E-08	3.68E-08	0.00E+00	0.00E+00	9.50E-09	1.89E-09	1.20E-08	1.85E-09	2.85E-09	2.81E-08
3320	491363.1	3847877	8.45E-05	9.13E-05	1.46E-04	2.93E-08	8.83E-08	5.11E-08	5.52E-08	5.01E-08	2.28E-08	3.65E-08	0.00E+00	0.00E+00	9.41E-09	1.87E-09	1.19E-08	1.83E-09	2.83E-09	2.78E-08
3321	491863.1	3847877	8.77E-05	9.48E-05	1.51E-04	3.04E-08	9.17E-08	5.31E-08	5.73E-08	5.20E-08	2.37E-08	3.79E-08	0.00E+00	0.00E+00	9.77E-09	1.95E-09	1.24E-08	1.90E-09	2.94E-09	2.89E-08
3322	492363.1	3847877	9.25E-05	9.99E-05	1.60E-04	3.20E-08	9.67E-08	5.60E-08	6.05E-08	5.48E-08	2.50E-08	4.00E-08	0.00E+00	0.00E+00	1.03E-08	2.05E-09	1.30E-08	2.01E-09	3.10E-09	3.05E-08
3323	492863.1	3847877	9.68E-05	1.05E-04	1.67E-04	3.35E-08	1.01E-07	5.86E-08	6.33E-08	5.74E-08	2.62E-08	4.19E-08	0.00E+00	0.00E+00	1.08E-08	2.15E-09	1.36E-08	2.10E-09	3.25E-09	3.19E-08
3324	493363.1	3847877	9.78E-05	1.06E-04	1.69E-04	3.39E-08	1.02E-07	5.92E-08	6.40E-08	5.80E-08	2.65E-08	4.24E-08	0.00E+00	0.00E+00	1.09E-08	2.17E-09	1.38E-08	2.12E-09	3.28E-09	3.22E-08
3325	493863.1	3847877	1.01E-04	1.09E-04	1.74E-04	3.48E-08	1.05E-07	6.09E-08	6.58E-08	5.96E-08	2.72E-08	4.36E-08	0.00E+00	0.00E+00	1.12E-08	2.23E-09	1.42E-08	2.19E-09	3.38E-09	3.32E-08
3326	494363.1	3847877	1.06E-04	1.14E-04	1.83E-04	3.65E-08	1.10E-07	6.39E-08	6.90E-08	6.26E-08	2.85E-08	4.58E-08	0.00E+00	0.00E+00	1.17E-08	2.34E-09	1.49E-08	2.29E-09	3.54E-09	3.48E-08
3327	494863.1	3847877	1.12E-04	1.21E-04	1.94E-04	3.87E-08	1.17E-07	6.76E-08	7.31E-08	6.62E-08	3.02E-08	4.84E-08	0.00E+00	0.00E+00	1.24E-08	2.48E-09	1.57E-08	2.43E-09	3.75E-09	3.68E-08
3328	495363.1	3847877	1.16E-04	1.25E-04	2.01E-04	4.01E-08	1.21E-07	7.01E-08	7.57E-08	6.86E-08	3.13E-08	5.02E-08	0.00E+00	0.00E+00	1.29E-08	2.57E-09	1.63E-08	2.52E-09	3.89E-09	3.82E-08
3329	495863.1	3847877	1.12E-04	1.21E-04	1.94E-04	3.87E-08	1.17E-07	6.77E-08	7.31E-08	6.63E-08	3.03E-08	4.85E-08	0.00E+00	0.00E+00	1.24E-08	2.48E-09	1.58E-08	2.43E-09	3.76E-09	3.69E-08
3330	496363.1	3847877	1.31E-04	1.42E-04	2.27E-04	4.54E-08	1.37E-07	7.93E-08	8.57E-08	7.77E-08	3.55E-08	5.68E-08	0.00E+00	0.00E+00	1.46E-08	2.91E-09	1.85E-08	2.85E-09	4.40E-09	4.32E-08
3331	496863.1	3847877	1.42E-04	1.54E-04	2.46E-04	4.92E-08	1.49E-07	8.60E-08	9.29E-08	8.42E-08	3.84E-08	6.15E-08	0.00E+00	0.00E+00	1.58E-08	3.15E-09	2.00E-08	3.09E-09	4.76E-09	4.68E-08
3332	497363.1	3847877	1.57E-04	1.70E-04	2.72E-04	5.45E-08	1.65E-07	9.53E-08	1.03E-07	9.33E-08	4.26E-08	6.81E-08	0.00E+00	0.00E+00	1.75E-08	3.49E-09	2.22E-08	3.42E-09	5.28E-09	5.19E-08
3333	497863.1	3847877	1.83E-04	1.98E-04	3.17E-04	6.35E-08	1.92E-07	1.11E-07	1.20E-07	1.09E-07	4.96E-08	7.93E-08	0.00E+00	0.00E+00	2.04E-08	4.07E-09	2.58E-08	3.98E-09	6.14E-09	6.04E-08
3334	498363.1	3847877	1.98E-04	2.14E-04	3.43E-04	6.86E-08	2.07E-07	1.20E-07	1.30E-07	1.17E-07	5.36E-08	8.57E-08	0.00E+00	0.00E+00	2.21E-08	4.40E-09	2.79E-08	4.30E-09	6.64E-09	6.53E-08
3335	471363.1	3848377	2.87E-04	3.09E-04	4.90E-04	9.92E-08	3.00E-07	1.73E-07	1.87E-07	1.70E-07	7.74E-08	1.23E-07	0.00E+00	0.00E+00	3.19E-08	6.35E-09	4.03E-08	6.21E-09	9.50E-09	9.43E-08
3336	471863.1	3848377	2.94E-04	3.17E-04	5.03E-04	1.02E-07	3.07E-07	1.78E-07	1.92E-07	1.74E-07	7.95E-08	1.26E-07	0.00E+00	0.00E+00	3.27E-08	6.52E-09	4.14E-08	6.38E-09	9.75E-09	9.68E-08
3337	472363.1	3848377	2.99E-04	3.22E-04	5.11E-04	1.03E-07	3.12E-07	1.81E-07	1.95E-07	1.77E-07	8.07E-08	1.28E-07	0.00E+00	0.00E+00	3.33E-08	6.62E-09	4.20E-08	6.48E-09	9.90E-09	9.83E-08
3338	472863.1	3848377	3.04E-04	3.28E-04	5.19E-04	1.05E-07	3.18E-07	1.84E-07	1.98E-07	1.80E-07	8.21E-08	1.30E-07	0.00E+00	0.00E+00	3.38E-08	6.74E-09	4.27E-08	6.59E-09	1.01E-08	1.00E-07
3339	473363.1	3848377	3.05E-04	3.29E-04	5.20E-04	1.06E-07	3.19E-07	1.85E-07	1.99E-07	1.81E-07	8.24E-08	1.30E-07	0.00E+00	0.00E+00	3.40E-08	6.76E-09	4.29E-08	6.62E-09	1.01E-08	1.00E-07
3340	473863.1	3848377	3.07E-04	3.31E-04	5.22E-04	1.06E-07	3.21E-07	1.86E-07	2.00E-07	1.82E-07	8.28E-08	1.31E-07	0.00E+00	0.00E+00	3.42E-08	6.80E-09	4.31E-08	6.65E-09	1.01E-08	1.01E-07
3341	474363.1	3848377	2.96E-04	3.20E-04	5.04E-04	1.03E-07	3.10E-07	1.79E-07	1.93E-07	1.75E-07	8.00E-08	1.26E-07	0.00E+00	0.00E+00	3.30E-08	6.56E-09	4.16E-08	6.42E-09	9.76E-09	9.74E-08
3342	474863.1	3848377	2.54E-04	2.73E-04	4.32E-04	8.78E-08	2.65E-07	1.53E-07	1.65E-07	1.50E-07	6.84E-08	1.08E-07	0.00E+00	0.00E+00	2.82E-08	5.62E-09	3.56E-08	5.50E-09	8.37E-09	8.33E-08
3343	475363.1	3848377	2.59E-04	2.80E-04	4.41E-04	8.98E-08	2.71E-07	1.57E-07	1.69E-07	1.53E-07	7.00E-08	1.10E-07	0.00E+00	0.00E+00	2.89E-08	5.74E-09	3.64E-08	5.62E-09	8.54E-09	8.52E-08
3344	475863.1	3848377	2.27E-04	2.44E-04	3.85E-04	7.85E-08	2.37E-07	1.37E-07	1.48E-07	1.34E-07	6.12E-08	9.65E-08	0.00E+00	0.00E+00	2.52E-08	5.02E-09	3.19E-08	4.91E-09	7.47E-09	7.45E-08
3345	476363.1	3848377	2.22E-04	2.40E-04	3.79E-04	7.70E-08	2.32E-07	1.35E-07	1.45E-07	1.32E-07	6.00E-08	9.47E-08	0.00E+00	0.00E+00	2.48E-08	4.93E-09	3.13E-08	4.82E-09	7.34E-09	7.31E-08
3346	476863.1	3848377	3.54E-04	3.82E-04	6.03E-04	1.23E-07	3.70E-07	2.14E-07	2.31E-07	2.10E-07	9.56E-08	1.51E-07	0.00E+00	0.00E+00	3.94E-08	7.85E-09	4.98E-08	7.68E-09	1.17E-08	1.16E-07
3347	477363.1	3848377	4.05E-04	4.37E-04	6.92E-04	1.40E-07	4.24E-07	2.45E-07	2.65E-07	2.40E-07	1.09E-07	1.73E-07	0.00E+00	0.00E+00	4.51E-08	8.98E-09	5.70E-08	8.79E-09	1.34E-08	1.33E-07
3348	477863.1	3848377	4.06E-04	4.38E-04	6.93E-04	1.40E-07	4.24E-07	2.45E-07	2.65E-07	2.40E-07	1.10E-07	1.74E-07	0.00E+00	0.00E+00	4.52E-08	8.99E-09	5.70E-08	8.80E-09	1.34E-08	1.33E-07
3349	478363.1	3848377	3.44E-04	3.71E-04	5.87E-04	1.19E-07	3.60E-07	2.08E-07	2.25E-07	2.04E-07	9.30E-08	1.47E-07	0.00E+00	0.00E+00	3.83E-08	7.63E-09	4.84E-08	7.46E-09	1.14E-08	1.13E-07
3350	478863.1	3848377	2.79E-04	3.01E-04	4.75E-04	9.65E-08	2.91E-07	1.69E-07	1.82E-07	1.65E-07	7.52E-08	1.19E-07	0.00E+00	0.00E+00	3.10E-08	6.17E-09	3.92E-08	6.04E-09	9.21E-09	9.16E-08
3351	479363.1	3848377	1.92E-04	2.07E-04	3.26E-04	6.64E-08	2.01E-07	1.16E-07	1.25E-07	1.13E-07	5.18E-08	8.17E-08	0.00E+00	0.00E+00	2.14E-08	4.25E-09	2.70E-08	4.16E-09	6.32E-09	6.30E-08
3352	479863.1	3848377	8.59E-05	9.28E-05	1.48E-04	2.98E-08	8.98E-08	5.20E-08	5.62E-08	5.09E-08	2.32E-08	3.70E-08	0.00E+00	0.00E+00	9.57E-09	1.91E-09	1.21E-08	1.87E-09	2.87E-09	2.83E-08
3353	480363.1	3848377	1.10E-04	1.19E-04	1.88E-04	3.81E-08	1.15E-07	6.66E-08	7.18E-08	6.51E-08	2.97E-08	4.70E-08	0.00E+00	0.00E+00	1.22E-08	2.44E-09	1.55E-08	2.39E-09	3.64E-09	3.62E-08
3354	480863.1	3848377	1.40E-04	1.51E-04	2.39E-04	4.86E-08	1.47E-07	8.50E-08	9.16E-08	8.30E-08	3.79E-08	5.97E-08	0.00E+00	0.00E+00	1.56E-08	3.11E-09	1.97E-08	3.04E-09	4.62E-09	4.61E-08
3355	481363.1	3848377	1.40E-04	1.51E-04	2.38E-04	4.86E-08	1.47E-07	8.49E-08	9.15E-08	8.30E-08	3.79E-08	5.97E-08	0.00E+00	0.00E+00	1.56E-08	3.11E-09	1.97E-08	3.04E-09	4.62E-09	4.61E-08
3356	481863.1	3848377	1.44E-04	1.55E-04	2.44E-04	4.97E-08	1.50E-07	8.69E-08	9.37E-08	8.49E-08	3.87E-08	6.09E-08	0.00E+00	0.00E+00	1.60E-08	3.18E-09	2.02E-08	3.11E-09	4.72E-09	4.72E-08

3357	482363.1	3848377	1.43E-04	1.54E-04	2.42E-04	4.94E-08	1.49E-07	8.63E-08	9.31E-08	8.44E-08	3.85E-08	6.07E-08	0.00E+00	0.00E+00	1.59E-08	3.16E-09	2.01E-08	3.09E-09	4.70E-09	4.69E-08
3358	482863.1	3848377	1.25E-04	1.34E-04	2.11E-04	4.31E-08	1.30E-07	7.54E-08	8.12E-08	7.37E-08	3.36E-08	5.28E-08	0.00E+00	0.00E+00	1.39E-08	2.76E-09	1.75E-08	2.70E-09	4.09E-09	4.09E-08
3359	483363.1	3848377	1.20E-04	1.29E-04	2.03E-04	4.15E-08	1.25E-07	7.26E-08	7.82E-08	7.09E-08	3.23E-08	5.08E-08	0.00E+00	0.00E+00	1.33E-08	2.65E-09	1.68E-08	2.60E-09	3.93E-09	3.94E-08
3360	483863.1	3848377	1.11E-04	1.20E-04	1.88E-04	3.84E-08	1.16E-07	6.71E-08	7.23E-08	6.56E-08	2.99E-08	4.70E-08	0.00E+00	0.00E+00	1.23E-08	2.45E-09	1.56E-08	2.40E-09	3.64E-09	3.64E-08
3361	484363.1	3848377	1.07E-04	1.16E-04	1.82E-04	3.71E-08	1.12E-07	6.49E-08	6.99E-08	6.34E-08	2.89E-08	4.55E-08	0.00E+00	0.00E+00	1.19E-08	2.37E-09	1.51E-08	2.32E-09	3.52E-09	3.52E-08
3362	484863.1	3848377	1.13E-04	1.21E-04	1.91E-04	3.90E-08	1.18E-07	6.82E-08	7.35E-08	6.66E-08	3.04E-08	4.78E-08	0.00E+00	0.00E+00	1.25E-08	2.49E-09	1.58E-08	2.44E-09	3.70E-09	3.70E-08
3363	485363.1	3848377	1.08E-04	1.17E-04	1.84E-04	3.76E-08	1.13E-07	6.56E-08	7.08E-08	6.41E-08	2.93E-08	4.60E-08	0.00E+00	0.00E+00	1.21E-08	2.40E-09	1.52E-08	2.35E-09	3.56E-09	3.56E-08
3364	485863.1	3848377	1.06E-04	1.14E-04	1.79E-04	3.66E-08	1.10E-07	6.39E-08	6.89E-08	6.25E-08	2.85E-08	4.48E-08	0.00E+00	0.00E+00	1.18E-08	2.34E-09	1.48E-08	2.29E-09	3.47E-09	3.47E-08
3365	486363.1	3848377	1.00E-04	1.08E-04	1.70E-04	3.46E-08	1.05E-07	6.05E-08	6.52E-08	5.91E-08	2.70E-08	4.25E-08	0.00E+00	0.00E+00	1.11E-08	2.21E-09	1.40E-08	2.17E-09	3.29E-09	3.28E-08
3366	486863.1	3848377	9.36E-05	1.01E-04	1.59E-04	3.24E-08	9.79E-08	5.66E-08	6.11E-08	5.54E-08	2.53E-08	3.98E-08	0.00E+00	0.00E+00	1.04E-08	2.07E-09	1.32E-08	2.03E-09	3.08E-09	3.08E-08
3367	487363.1	3848377	8.78E-05	9.47E-05	1.50E-04	3.04E-08	9.18E-08	5.31E-08	5.73E-08	5.19E-08	2.37E-08	3.75E-08	0.00E+00	0.00E+00	9.77E-09	1.94E-09	1.23E-08	1.90E-09	2.90E-09	2.89E-08
3368	487863.1	3848377	8.79E-05	9.48E-05	1.50E-04	3.04E-08	9.18E-08	5.32E-08	5.74E-08	5.20E-08	2.37E-08	3.76E-08	0.00E+00	0.00E+00	9.78E-09	1.95E-09	1.24E-08	1.91E-09	2.91E-09	2.89E-08
3369	488363.1	3848377	8.84E-05	9.54E-05	1.51E-04	3.06E-08	9.24E-08	5.35E-08	5.77E-08	5.23E-08	2.39E-08	3.79E-08	0.00E+00	0.00E+00	9.84E-09	1.96E-09	1.24E-08	1.92E-09	2.94E-09	2.91E-08
3370	488863.1	3848377	9.04E-05	9.76E-05	1.55E-04	3.13E-08	9.45E-08	5.47E-08	5.90E-08	5.35E-08	2.44E-08	3.88E-08	0.00E+00	0.00E+00	1.01E-08	2.00E-09	1.27E-08	1.96E-09	3.00E-09	2.97E-08
3371	489363.1	3848377	9.34E-05	1.01E-04	1.60E-04	3.23E-08	9.76E-08	5.65E-08	6.10E-08	5.53E-08	2.52E-08	4.01E-08	0.00E+00	0.00E+00	1.04E-08	2.07E-09	1.31E-08	2.03E-09	3.10E-09	3.07E-08
3372	489863.1	3848377	1.00E-04	1.08E-04	1.71E-04	3.46E-08	1.04E-07	6.05E-08	6.53E-08	5.92E-08	2.70E-08	4.29E-08	0.00E+00	0.00E+00	1.11E-08	2.22E-09	1.41E-08	2.17E-09	3.32E-09	3.29E-08
3373	490363.1	3848377	1.01E-04	1.09E-04	1.74E-04	3.51E-08	1.06E-07	6.13E-08	6.62E-08	6.00E-08	2.74E-08	4.36E-08	0.00E+00	0.00E+00	1.13E-08	2.25E-09	1.43E-08	2.20E-09	3.37E-09	3.34E-08
3374	490863.1	3848377	1.00E-04	1.08E-04	1.73E-04	3.48E-08	1.05E-07	6.08E-08	6.56E-08	5.95E-08	2.71E-08	4.33E-08	0.00E+00	0.00E+00	1.12E-08	2.23E-09	1.41E-08	2.18E-09	3.35E-09	3.31E-08
3375	491363.1	3848377	1.03E-04	1.11E-04	1.77E-04	3.55E-08	1.07E-07	6.20E-08	6.70E-08	6.07E-08	2.77E-08	4.42E-08	0.00E+00	0.00E+00	1.14E-08	2.27E-09	1.44E-08	2.23E-09	3.43E-09	3.38E-08
3376	491863.1	3848377	1.06E-04	1.14E-04	1.82E-04	3.66E-08	1.10E-07	6.39E-08	6.90E-08	6.26E-08	2.85E-08	4.56E-08	0.00E+00	0.00E+00	1.18E-08	2.34E-09	1.49E-08	2.29E-09	3.53E-09	3.48E-08
3377	492363.1	3848377	1.06E-04	1.15E-04	1.83E-04	3.67E-08	1.11E-07	6.41E-08	6.93E-08	6.28E-08	2.87E-08	4.59E-08	0.00E+00	0.00E+00	1.18E-08	2.35E-09	1.49E-08	2.30E-09	3.55E-09	3.49E-08
3378	492863.1	3848377	1.06E-04	1.14E-04	1.83E-04	3.66E-08	1.10E-07	6.39E-08	6.91E-08	6.26E-08	2.86E-08	4.58E-08	0.00E+00	0.00E+00	1.18E-08	2.35E-09	1.49E-08	2.30E-09	3.55E-09	3.48E-08
3379	493363.1	3848377	1.09E-04	1.18E-04	1.90E-04	3.79E-08	1.14E-07	6.62E-08	7.16E-08	6.49E-08	2.96E-08	4.75E-08	0.00E+00	0.00E+00	1.22E-08	2.43E-09	1.54E-08	2.38E-09	3.68E-09	3.61E-08
3380	493863.1	3848377	1.14E-04	1.23E-04	1.98E-04	3.94E-08	1.19E-07	6.89E-08	7.45E-08	6.76E-08	3.08E-08	4.94E-08	0.00E+00	0.00E+00	1.27E-08	2.53E-09	1.61E-08	2.48E-09	3.83E-09	3.76E-08
3381	494363.1	3848377	1.18E-04	1.27E-04	2.04E-04	4.08E-08	1.23E-07	7.13E-08	7.70E-08	6.98E-08	3.19E-08	5.11E-08	0.00E+00	0.00E+00	1.31E-08	2.61E-09	1.66E-08	2.56E-09	3.95E-09	3.88E-08
3382	494863.1	3848377	1.25E-04	1.36E-04	2.18E-04	4.34E-08	1.31E-07	7.59E-08	8.21E-08	7.44E-08	3.39E-08	5.44E-08	0.00E+00	0.00E+00	1.40E-08	2.79E-09	1.77E-08	2.73E-09	4.22E-09	4.14E-08
3383	495363.1	3848377	1.25E-04	1.35E-04	2.17E-04	4.34E-08	1.31E-07	7.58E-08	8.20E-08	7.43E-08	3.39E-08	5.44E-08	0.00E+00	0.00E+00	1.40E-08	2.78E-09	1.77E-08	2.72E-09	4.21E-09	4.13E-08
3384	495863.1	3848377	1.31E-04	1.41E-04	2.27E-04	4.52E-08	1.37E-07	7.91E-08	8.55E-08	7.75E-08	3.53E-08	5.67E-08	0.00E+00	0.00E+00	1.45E-08	2.90E-09	1.84E-08	2.84E-09	4.39E-09	4.31E-08
3385	496363.1	3848377	1.44E-04	1.55E-04	2.49E-04	4.98E-08	1.50E-07	8.70E-08	9.40E-08	8.52E-08	3.89E-08	6.23E-08	0.00E+00	0.00E+00	1.60E-08	3.19E-09	2.02E-08	3.12E-09	4.83E-09	4.74E-08
3386	496863.1	3848377	1.48E-04	1.60E-04	2.56E-04	5.12E-08	1.55E-07	8.95E-08	9.67E-08	8.76E-08	4.00E-08	6.41E-08	0.00E+00	0.00E+00	1.65E-08	3.28E-09	2.08E-08	3.21E-09	4.96E-09	4.87E-08
3387	497363.1	3848377	1.68E-04	1.81E-04	2.91E-04	5.81E-08	1.75E-07	1.02E-07	1.10E-07	9.95E-08	4.54E-08	7.27E-08	0.00E+00	0.00E+00	1.87E-08	3.72E-09	2.36E-08	3.64E-09	5.63E-09	5.53E-08
3388	497863.1	3848377	2.20E-04	2.37E-04	3.80E-04	7.61E-08	2.30E-07	1.33E-07	1.44E-07	1.30E-07	5.94E-08	9.50E-08	0.00E+00	0.00E+00	2.45E-08	4.88E-09	3.09E-08	4.77E-09	7.36E-09	7.24E-08
3389	498363.1	3848377	2.32E-04	2.51E-04	4.01E-04	8.04E-08	2.43E-07	1.41E-07	1.52E-07	1.38E-07	6.28E-08	1.00E-07	0.00E+00	0.00E+00	2.59E-08	5.15E-09	3.27E-08	5.04E-09	7.78E-09	7.65E-08
3390	471363.1	3848877	2.88E-04	3.11E-04	4.92E-04	9.98E-08	3.01E-07	1.74E-07	1.88E-07	1.71E-07	7.79E-08	1.23E-07	0.00E+00	0.00E+00	3.21E-08	6.39E-09	4.05E-08	6.25E-09	9.54E-09	9.48E-08
3391	471863.1	3848877	3.09E-04	3.33E-04	5.27E-04	1.07E-07	3.23E-07	1.87E-07	2.01E-07	1.83E-07	8.33E-08	1.32E-07	0.00E+00	0.00E+00	3.44E-08	6.84E-09	4.34E-08	6.69E-09	1.02E-08	1.01E-07
3392	472363.1	3848877	3.22E-04	3.48E-04	5.51E-04	1.12E-07	3.37E-07	1.95E-07	2.10E-07	1.91E-07	8.71E-08	1.38E-07	0.00E+00	0.00E+00	3.59E-08	7.14E-09	4.53E-08	6.99E-09	1.07E-08	1.06E-07
3393	472863.1	3848877	3.31E-04	3.57E-04	5.66E-04	1.15E-07	3.46E-07	2.00E-07	2.16E-07	1.96E-07	8.95E-08	1.42E-07	0.00E+00	0.00E+00	3.69E-08	7.34E-09	4.66E-08	7.18E-09	1.10E-08	1.09E-07
3394	473363.1	3848877	3.40E-04	3.66E-04	5.80E-04	1.18E-07	3.55E-07	2.05E-07	2.22E-07	2.01E-07	9.17E-08	1.45E-07	0.00E+00	0.00E+00	3.78E-08	7.53E-09	4.78E-08	7.36E-09	1.12E-08	1.12E-07
3395	473863.1	3848877	3.42E-04	3.69E-04	5.84E-04	1.18E-07	3.58E-07	2.07E-07	2.23E-07	2.02E-07	9.24E-08	1.46E-07	0.00E+00	0.00E+00	3.81E-08	7.58E-09	4.81E-08	7.42E-09	1.13E-08	1.12E-07
3396	474363.1	3848877	3.46E-04	3.73E-04	5.89E-04	1.20E-07	3.62E-07	2.09E-07	2.26E-07	2.05E-07	9.34E-08	1.47E-07	0.00E+00	0.00E+00	3.85E-08	7.67E-09	4.87E-08	7.50E-09	1.14E-08	1.14E-07
3397	474863.1	3848877	3.27E-04	3.53E-04	5.56E-04	1.13E-07	3.42E-07	1.98E-07	2.13E-07	1.93E-07	8.83E-08	1.39E-07	0.00E+00	0.00E+00	3.64E-08	7.24E-09	4.60E-08	7.09E-09	1.08E-08	1.07E-07
3398	475363.1	3848877	3.11E-04	3.36E-04	5.29E-04	1.08E-07	3.25E-07	1.88E-07	2.03E-07	1.84E-07	8.40E-08	1.32E-07	0.00E+00	0.00E+00	3.46E-08	6.89E-09	4.37E-08	6.74E-09	1.03E-08	1.02E-07
3399	475863.1	3848877	3.07E-04	3.31E-04	5.21E-04	1.06E-07	3.21E-07	1.86E-07	2.00E-07	1.81E-07	8.28E-08	1.31E-07	0.00E+00	0.00E+00	3.42E-08	6.79E-09	4.31E-08	6.65E-09	1.01E-08	1.01E-07
3400	476363.1	3848877	2.77E-04	2.98E-04	4.70E-04	9.57E-08	2.89E-07	1.67E-07	1.80E-07	1.64E-07	7.46E-08	1.18E-07	0.00E+00	0.00E+00	3.08E-08	6.12E-09	3.89E-08	5.99E-09	9.10E-09	9.09E-08
3401	476863.1	3848877	2.78E-04	3.00E-04	4.73E-04	9.64E-08	2.91E-07	1.68E-07	1.82E-07	1.65E-07	7.51E-08	1.18E-07	0.00E+00	0.00E+00	3.10E-08	6.17E-09	3.91E-08	6.03E-09	9.17E-09	9.15E-08
3402	477363.1	3848877	4.21E-04	4.54E-04	7.16E-04	1.46E-07	4.40E-07	2.54E-07	2.74E-07	2.49E-07	1.14E-07	1.79E-07	0.00E+00	0.00E+00	4.68E-08	9.32E-09	5.91E-08	9.12E-09	1.39E-08	1.38E-07
3403	477863.1	3848877	4.76E-04	5.14E-04	8.13E-04	1.65E-07	4.97E-07	2.88E-07	3.11E-07	2.82E-07	1.29E-07	2.04E-07	0.00E+00	0.00E+00	5.30E-08	1.05E-08	6.69E-08	1.03E-08	1.58E-08	1.57E-07
3404	478363.1	3848877	4.70E-04	5.07E-04	8.03E-04	1.63E-07	4.91E-07	2.84E-07	3.07E-07	2.78E-07	1.27E-07	2.01E-07	0.00E+00	0.00E+00	5.23E-08	1.04E-08	6.61E-08	1.02E-08	1.56E-08	1.54E-07
3405	478863.1	3848877	3.77E-04	4.07E-04	6.43E-04	1.31E-07	3.94E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.61E-07	0.00E+00	0.00E+00	4.20E-08	8.36E-09	5.30E-08	8.18E-09	1.25E-08	1.24E-07
3406	479363.1	3848877	2.84E-04	3.06E-04	4.83E-04	9.82E-08	2.96E-07	1.72E-07	1.85E-07	1.68E-07	7.65E-08	1.21E-07	0.00E+00	0.00E+00	3.16E-08	6.28E-09	3.99E-08	6.15E-09	9.36E-09	9.32E-08
3407	479863.1	3848877	2.11E-04	2.28E-04	3.60E-04	7.32E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.71E-08	9.00E-08	0.00E+00	0.00E+00	2.35E-08	4.68E-09	2.97E-08	4.58E-09	6.97E-09	6.95E-08
3408	480363.1	3848877	2.15E-04	2.32E-04	3.65E-04	7.44E-08	2.25E-07	1.30E-07	1.40E-07	1.27E-07	5.80E-08	9.13E-08	0.00E+00	0.00E+00	2.39E-08	4.76E-09	3.02E-08	4.66E-09	7.07E-09	7.06E-08
3409	480863.1	3848877	2.12E-04	2.29E-04	3.60E-04	7.35E-08	2.22E-07	1.29E-07	1.39E-07	1.26E-07	5.73E-08	9.01E-08	0.00E+00	0.00E+00	2.36E-08	4.70E-09	2.98E-08	4.60E-09	6.98E-09	6.98E-08
3410	481363.1	3848877	1.96E-04	2.11E-04	3.33E-04	6.79E-08	2.05E-07	1.19E-07	1.28E-07	1.16E-07	5.29E-08	8.33E-08	0.00E+00	0.00E+00	2.18E-08	4.34E-09	2.76E-08	4.25E-09	6.45E-09	6.44E-08
3411	481863.1	3848877	1.69E-04	1.82E-04	2.86E-04	5.83E-08	1.76E-07	1.02E-07	1.10E-07	9.97E-08	4.55E-08	7.16E-08	0.00E+00	0.00E+00	1.88E-08	3.73E-09	2.37E-08	3.65E-09	5.54E-09	5.54E-08
3412	482363.1	3848877	1.44E-04	1.55E-04	2.44E-04	4.97E-08	1.50E-07	8.69E-08	9.36E-08	8.49E-08	3.87E-08	6.10E-08	0.00E+00	0.00E+00	1.60E-08	3.18E-09	2.02E-08	3.11E-09	4.72E-09	4.72E-08
3413	482863.1	3848877	1.24E-04	1.34E-04	2.10E-04	4.29E-08	1.30E-07	7.50E-08	8.09E-08	7.33E-08	3.35E-08	5.27E-08	0.00E+00	0.00E+00	1.38E-08	2.74E-09	1.74E-08	2.69E-09	4.08E-09	4.07E-08

3414	483363.1	3848877	1.12E-04	1.20E-04	1.90E-04	3.86E-08	1.17E-07	6.75E-08	7.28E-08	6.60E-08	3.01E-08	4.74E-08	0.00E+00	0.00E+00	1.24E-08	2.47E-09	1.57E-08	2.42E-09	3.67E-09	3.66E-08
3415	483863.1	3848877	1.09E-04	1.17E-04	1.85E-04	3.76E-08	1.13E-07	6.57E-08	7.08E-08	6.42E-08	2.93E-08	4.62E-08	0.00E+00	0.00E+00	1.21E-08	2.40E-09	1.53E-08	2.35E-09	3.58E-09	3.57E-08
3416	484363.1	3848877	1.21E-04	1.30E-04	2.04E-04	4.18E-08	1.26E-07	7.30E-08	7.87E-08	7.13E-08	3.25E-08	5.11E-08	0.00E+00	0.00E+00	1.34E-08	2.67E-09	1.69E-08	2.61E-09	3.96E-09	3.96E-08
3417	484863.1	3848877	1.33E-04	1.44E-04	2.26E-04	4.61E-08	1.39E-07	8.06E-08	8.68E-08	7.87E-08	3.59E-08	5.65E-08	0.00E+00	0.00E+00	1.48E-08	2.95E-09	1.87E-08	2.88E-09	4.37E-09	4.37E-08
3418	485363.1	3848877	1.27E-04	1.37E-04	2.15E-04	4.40E-08	1.33E-07	7.69E-08	8.29E-08	7.52E-08	3.43E-08	5.38E-08	0.00E+00	0.00E+00	1.42E-08	2.81E-09	1.79E-08	2.75E-09	4.17E-09	4.17E-08
3419	485863.1	3848877	1.22E-04	1.32E-04	2.07E-04	4.23E-08	1.28E-07	7.40E-08	7.98E-08	7.23E-08	3.30E-08	5.19E-08	0.00E+00	0.00E+00	1.36E-08	2.71E-09	1.72E-08	2.65E-09	4.02E-09	4.02E-08
3420	486363.1	3848877	1.13E-04	1.21E-04	1.91E-04	3.90E-08	1.18E-07	6.82E-08	7.35E-08	6.66E-08	3.04E-08	4.79E-08	0.00E+00	0.00E+00	1.25E-08	2.49E-09	1.58E-08	2.44E-09	3.71E-09	3.70E-08
3421	486863.1	3848877	1.04E-04	1.12E-04	1.76E-04	3.59E-08	1.08E-07	6.28E-08	6.77E-08	6.14E-08	2.80E-08	4.41E-08	0.00E+00	0.00E+00	1.16E-08	2.30E-09	1.46E-08	2.25E-09	3.42E-09	3.41E-08
3422	487363.1	3848877	1.04E-04	1.13E-04	1.78E-04	3.61E-08	1.09E-07	6.32E-08	6.81E-08	6.18E-08	2.82E-08	4.45E-08	0.00E+00	0.00E+00	1.16E-08	2.31E-09	1.47E-08	2.26E-09	3.45E-09	3.43E-08
3423	487863.1	3848877	1.04E-04	1.12E-04	1.77E-04	3.59E-08	1.08E-07	6.27E-08	6.77E-08	6.13E-08	2.80E-08	4.44E-08	0.00E+00	0.00E+00	1.15E-08	2.30E-09	1.46E-08	2.25E-09	3.43E-09	3.41E-08
3424	488363.1	3848877	1.06E-04	1.14E-04	1.81E-04	3.66E-08	1.10E-07	6.39E-08	6.90E-08	6.25E-08	2.85E-08	4.52E-08	0.00E+00	0.00E+00	1.18E-08	2.34E-09	1.49E-08	2.29E-09	3.50E-09	3.47E-08
3425	488863.1	3848877	1.07E-04	1.16E-04	1.84E-04	3.71E-08	1.12E-07	6.49E-08	7.01E-08	6.35E-08	2.90E-08	4.60E-08	0.00E+00	0.00E+00	1.19E-08	2.38E-09	1.51E-08	2.33E-09	3.56E-09	3.53E-08
3426	489363.1	3848877	1.12E-04	1.21E-04	1.92E-04	3.88E-08	1.17E-07	6.79E-08	7.33E-08	6.64E-08	3.03E-08	4.82E-08	0.00E+00	0.00E+00	1.25E-08	2.49E-09	1.58E-08	2.43E-09	3.73E-09	3.69E-08
3427	489863.1	3848877	1.18E-04	1.27E-04	2.02E-04	4.08E-08	1.23E-07	7.14E-08	7.71E-08	6.99E-08	3.19E-08	5.07E-08	0.00E+00	0.00E+00	1.31E-08	2.62E-09	1.66E-08	2.56E-09	3.92E-09	3.88E-08
3428	490363.1	3848877	1.18E-04	1.27E-04	2.03E-04	4.08E-08	1.23E-07	7.14E-08	7.70E-08	6.98E-08	3.19E-08	5.07E-08	0.00E+00	0.00E+00	1.31E-08	2.62E-09	1.66E-08	2.56E-09	3.93E-09	3.88E-08
3429	490863.1	3848877	1.18E-04	1.28E-04	2.04E-04	4.09E-08	1.23E-07	7.15E-08	7.72E-08	7.00E-08	3.19E-08	5.09E-08	0.00E+00	0.00E+00	1.32E-08	2.62E-09	1.66E-08	2.56E-09	3.94E-09	3.89E-08
3430	491363.1	3848877	1.22E-04	1.32E-04	2.11E-04	4.23E-08	1.28E-07	7.39E-08	7.99E-08	7.24E-08	3.30E-08	5.28E-08	0.00E+00	0.00E+00	1.36E-08	2.71E-09	1.72E-08	2.65E-09	4.09E-09	4.03E-08
3431	491863.1	3848877	1.22E-04	1.32E-04	2.11E-04	4.22E-08	1.28E-07	7.38E-08	7.98E-08	7.23E-08	3.30E-08	5.28E-08	0.00E+00	0.00E+00	1.36E-08	2.71E-09	1.72E-08	2.65E-09	4.09E-09	4.02E-08
3432	492363.1	3848877	1.22E-04	1.32E-04	2.11E-04	4.21E-08	1.27E-07	7.36E-08	7.96E-08	7.21E-08	3.29E-08	5.27E-08	0.00E+00	0.00E+00	1.35E-08	2.70E-09	1.71E-08	2.64E-09	4.08E-09	4.01E-08
3433	492863.1	3848877	1.20E-04	1.29E-04	2.07E-04	4.14E-08	1.25E-07	7.23E-08	7.82E-08	7.09E-08	3.23E-08	5.19E-08	0.00E+00	0.00E+00	1.33E-08	2.65E-09	1.68E-08	2.60E-09	4.02E-09	3.94E-08
3434	493363.1	3848877	1.18E-04	1.28E-04	2.05E-04	4.09E-08	1.23E-07	7.15E-08	7.73E-08	7.01E-08	3.20E-08	5.13E-08	0.00E+00	0.00E+00	1.32E-08	2.62E-09	1.66E-08	2.57E-09	3.97E-09	3.90E-08
3435	493863.1	3848877	1.26E-04	1.37E-04	2.19E-04	4.38E-08	1.32E-07	7.65E-08	8.27E-08	7.50E-08	3.42E-08	5.49E-08	0.00E+00	0.00E+00	1.41E-08	2.81E-09	1.78E-08	2.75E-09	4.25E-09	4.17E-08
3436	494363.1	3848877	1.33E-04	1.44E-04	2.31E-04	4.60E-08	1.39E-07	8.04E-08	8.69E-08	7.88E-08	3.60E-08	5.77E-08	0.00E+00	0.00E+00	1.48E-08	2.95E-09	1.87E-08	2.89E-09	4.47E-09	4.38E-08
3437	494863.1	3848877	1.44E-04	1.55E-04	2.49E-04	4.98E-08	1.50E-07	8.70E-08	9.40E-08	8.52E-08	3.89E-08	6.24E-08	0.00E+00	0.00E+00	1.60E-08	3.19E-09	2.02E-08	3.12E-09	4.83E-09	4.74E-08
3438	495363.1	3848877	1.53E-04	1.65E-04	2.64E-04	5.28E-08	1.60E-07	9.23E-08	9.98E-08	9.05E-08	4.13E-08	6.62E-08	0.00E+00	0.00E+00	1.70E-08	3.39E-09	2.15E-08	3.31E-09	5.13E-09	5.03E-08
3439	495863.1	3848877	1.50E-04	1.62E-04	2.59E-04	5.18E-08	1.56E-07	9.05E-08	9.79E-08	8.87E-08	4.05E-08	6.49E-08	0.00E+00	0.00E+00	1.67E-08	3.32E-09	2.11E-08	3.25E-09	5.03E-09	4.93E-08
3440	496363.1	3848877	1.58E-04	1.71E-04	2.74E-04	5.48E-08	1.66E-07	9.58E-08	1.04E-07	9.39E-08	4.28E-08	6.87E-08	0.00E+00	0.00E+00	1.76E-08	3.52E-09	2.23E-08	3.44E-09	5.32E-09	5.22E-08
3441	496863.1	3848877	1.79E-04	1.94E-04	3.10E-04	6.21E-08	1.87E-07	1.09E-07	1.17E-07	1.06E-07	4.85E-08	7.77E-08	0.00E+00	0.00E+00	2.00E-08	3.98E-09	2.53E-08	3.90E-09	6.02E-09	5.91E-08
3442	497363.1	3848877	2.24E-04	2.42E-04	3.88E-04	7.77E-08	2.35E-07	1.36E-07	1.47E-07	1.33E-07	6.07E-08	9.71E-08	0.00E+00	0.00E+00	2.50E-08	4.98E-09	3.16E-08	4.87E-09	7.52E-09	7.39E-08
3443	497863.1	3848877	2.51E-04	2.71E-04	4.33E-04	8.68E-08	2.62E-07	1.52E-07	1.64E-07	1.49E-07	6.78E-08	1.08E-07	0.00E+00	0.00E+00	2.79E-08	5.57E-09	3.53E-08	5.45E-09	8.40E-09	8.26E-08
3444	498363.1	3848877	2.74E-04	2.96E-04	4.73E-04	9.48E-08	2.86E-07	1.66E-07	1.79E-07	1.62E-07	7.40E-08	1.18E-07	0.00E+00	0.00E+00	3.05E-08	6.07E-09	3.85E-08	5.94E-09	9.16E-09	9.02E-08
3445	471363.1	3849377	2.71E-04	2.93E-04	4.62E-04	9.39E-08	2.83E-07	1.64E-07	1.77E-07	1.60E-07	7.32E-08	1.16E-07	0.00E+00	0.00E+00	3.02E-08	6.01E-09	3.81E-08	5.88E-09	8.96E-09	8.92E-08
3446	471863.1	3849377	3.04E-04	3.28E-04	5.19E-04	1.05E-07	3.18E-07	1.84E-07	1.99E-07	1.80E-07	8.22E-08	1.30E-07	0.00E+00	0.00E+00	3.39E-08	6.75E-09	4.28E-08	6.60E-09	1.01E-08	1.00E-07
3447	472363.1	3849377	3.29E-04	3.55E-04	5.61E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.88E-08	1.40E-07	0.00E+00	0.00E+00	3.66E-08	7.29E-09	4.62E-08	7.13E-09	1.09E-08	1.08E-07
3448	472863.1	3849377	3.50E-04	3.78E-04	5.98E-04	1.21E-07	3.66E-07	2.12E-07	2.29E-07	2.07E-07	9.46E-08	1.50E-07	0.00E+00	0.00E+00	3.90E-08	7.76E-09	4.92E-08	7.59E-09	1.16E-08	1.15E-07
3449	473363.1	3849377	3.66E-04	3.95E-04	6.26E-04	1.27E-07	3.83E-07	2.21E-07	2.39E-07	2.17E-07	9.89E-08	1.57E-07	0.00E+00	0.00E+00	4.07E-08	8.11E-09	5.15E-08	7.94E-09	1.21E-08	1.20E-07
3450	473863.1	3849377	3.78E-04	4.07E-04	6.46E-04	1.31E-07	3.95E-07	2.28E-07	2.47E-07	2.23E-07	1.02E-07	1.62E-07	0.00E+00	0.00E+00	4.20E-08	8.37E-09	5.31E-08	8.19E-09	1.25E-08	1.24E-07
3451	474363.1	3849377	3.85E-04	4.15E-04	6.57E-04	1.33E-07	4.02E-07	2.33E-07	2.51E-07	2.28E-07	1.04E-07	1.64E-07	0.00E+00	0.00E+00	4.28E-08	8.52E-09	5.41E-08	8.34E-09	1.27E-08	1.26E-07
3452	474863.1	3849377	3.90E-04	4.21E-04	6.65E-04	1.35E-07	4.08E-07	2.36E-07	2.55E-07	2.31E-07	1.05E-07	1.66E-07	0.00E+00	0.00E+00	4.34E-08	8.64E-09	5.48E-08	8.46E-09	1.29E-08	1.28E-07
3453	475363.1	3849377	3.88E-04	4.19E-04	6.60E-04	1.34E-07	4.06E-07	2.35E-07	2.53E-07	2.30E-07	1.05E-07	1.65E-07	0.00E+00	0.00E+00	4.32E-08	8.60E-09	5.46E-08	8.42E-09	1.28E-08	1.28E-07
3454	475863.1	3849377	3.89E-04	4.20E-04	6.60E-04	1.35E-07	4.07E-07	2.35E-07	2.54E-07	2.30E-07	1.05E-07	1.65E-07	0.00E+00	0.00E+00	4.33E-08	8.62E-09	5.47E-08	8.43E-09	1.28E-08	1.28E-07
3455	476363.1	3849377	3.79E-04	4.08E-04	6.42E-04	1.31E-07	3.96E-07	2.29E-07	2.47E-07	2.24E-07	1.02E-07	1.61E-07	0.00E+00	0.00E+00	4.22E-08	8.39E-09	5.32E-08	8.21E-09	1.24E-08	1.24E-07
3456	476863.1	3849377	3.52E-04	3.80E-04	5.97E-04	1.22E-07	3.68E-07	2.13E-07	2.30E-07	2.08E-07	9.50E-08	1.49E-07	0.00E+00	0.00E+00	3.92E-08	7.80E-09	4.95E-08	7.63E-09	1.16E-08	1.16E-07
3457	477363.1	3849377	3.62E-04	3.91E-04	6.15E-04	1.25E-07	3.79E-07	2.19E-07	2.36E-07	2.14E-07	9.78E-08	1.54E-07	0.00E+00	0.00E+00	4.03E-08	8.02E-09	5.09E-08	7.85E-09	1.19E-08	1.19E-07
3458	477863.1	3849377	4.57E-04	4.93E-04	7.79E-04	1.58E-07	4.78E-07	2.77E-07	2.98E-07	2.70E-07	1.23E-07	1.95E-07	0.00E+00	0.00E+00	5.09E-08	1.01E-08	6.43E-08	9.91E-09	1.51E-08	1.50E-07
3459	478363.1	3849377	5.54E-04	5.98E-04	9.47E-04	1.92E-07	5.79E-07	3.35E-07	3.62E-07	3.28E-07	1.50E-07	2.37E-07	0.00E+00	0.00E+00	6.17E-08	1.23E-08	7.79E-08	1.20E-08	1.84E-08	1.82E-07
3460	478863.1	3849377	5.00E-04	5.40E-04	8.55E-04	1.73E-07	5.23E-07	3.03E-07	3.27E-07	2.96E-07	1.35E-07	2.14E-07	0.00E+00	0.00E+00	5.57E-08	1.11E-08	7.04E-08	1.09E-08	1.66E-08	1.65E-07
3461	479363.1	3849377	4.17E-04	4.50E-04	7.11E-04	1.44E-07	4.36E-07	2.52E-07	2.72E-07	2.47E-07	1.13E-07	1.78E-07	0.00E+00	0.00E+00	4.64E-08	9.24E-09	5.86E-08	9.04E-09	1.38E-08	1.37E-07
3462	479863.1	3849377	3.02E-04	3.25E-04	5.13E-04	1.04E-07	3.15E-07	1.82E-07	1.97E-07	1.78E-07	8.14E-08	1.28E-07	0.00E+00	0.00E+00	3.36E-08	6.68E-09	4.24E-08	6.54E-09	9.94E-09	9.91E-08
3463	480363.1	3849377	3.23E-04	3.49E-04	5.48E-04	1.12E-07	3.38E-07	1.96E-07	2.11E-07	1.91E-07	8.73E-08	1.37E-07	0.00E+00	0.00E+00	3.60E-08	7.16E-09	4.54E-08	7.01E-09	1.06E-08	1.06E-07
3464	480863.1	3849377	2.88E-04	3.10E-04	4.87E-04	9.97E-08	3.01E-07	1.74E-07	1.88E-07	1.70E-07	7.77E-08	1.22E-07	0.00E+00	0.00E+00	3.21E-08	6.37E-09	4.04E-08	6.24E-09	9.43E-09	9.45E-08
3465	481363.1	3849377	2.30E-04	2.48E-04	3.90E-04	7.96E-08	2.40E-07	1.39E-07	1.50E-07	1.36E-07	6.20E-08	9.76E-08	0.00E+00	0.00E+00	2.56E-08	5.09E-09	3.23E-08	4.98E-09	7.56E-09	7.55E-08
3466	481863.1	3849377	1.66E-04	1.79E-04	2.82E-04	5.75E-08	1.74E-07	1.00E-07	1.08E-07	9.82E-08	4.48E-08	7.06E-08	0.00E+00	0.00E+00	1.85E-08	3.68E-09	2.33E-08	3.60E-09	5.47E-09	5.46E-08
3467	482363.1	3849377	1.50E-04	1.61E-04	2.54E-04	5.18E-08	1.56E-07	9.05E-08	9.76E-08	8.85E-08	4.04E-08	6.37E-08	0.00E+00	0.00E+00	1.67E-08	3.31E-09	2.10E-08	3.24E-09	4.93E-09	4.92E-08
3468	482863.1	3849377	1.27E-04	1.37E-04	2.16E-04	4.40E-08	1.33E-07	7.69E-08	8.30E-08	7.52E-08	3.43E-08	5.41E-08	0.00E+00	0.00E+00	1.42E-08	2.82E-09	1.79E-08	2.76E-09	4.19E-09	4.18E-08
3469	483363.1	3849377	1.18E-04	1.27E-04	2.01E-04	4.08E-08	1.23E-07	7.13E-08	7.69E-08	6.97E-08	3.18E-08	5.02E-08	0.00E+00	0.00E+00	1.31E-08	2.61E-09	1.66E-08	2.55E-09	3.89E-09	3.87E-08
3470	483863.1	3849377	1.03E-04	1.11E-04	1.76E-04	3.58E-08	1.08E-07	6.25E-08	6.74E-08	6.11E-08	2.79E-08	4.40E-08	0.00E+00	0.00E+00	1.15E-08	2.29E-09	1.45E-08	2.24E-09	3.41E-09	3.40E-08

3471	484363.1	3849377	1.33E-04	1.43E-04	2.25E-04	4.60E-08	1.39E-07	8.05E-08	8.68E-08	7.86E-08	3.59E-08	5.64E-08	0.00E+00	0.00E+00	1.48E-08	2.94E-09	1.87E-08	2.88E-09	4.37E-09	4.37E-08
3472	484863.1	3849377	1.56E-04	1.68E-04	2.64E-04	5.39E-08	1.63E-07	9.42E-08	1.02E-07	9.21E-08	4.20E-08	6.60E-08	0.00E+00	0.00E+00	1.73E-08	3.45E-09	2.19E-08	3.37E-09	5.11E-09	5.11E-08
3473	485363.1	3849377	1.51E-04	1.62E-04	2.55E-04	5.21E-08	1.57E-07	9.11E-08	9.82E-08	8.90E-08	4.06E-08	6.37E-08	0.00E+00	0.00E+00	1.68E-08	3.33E-09	2.11E-08	3.26E-09	4.94E-09	4.94E-08
3474	485863.1	3849377	1.20E-04	1.30E-04	2.04E-04	4.16E-08	1.26E-07	7.27E-08	7.84E-08	7.11E-08	3.24E-08	5.10E-08	0.00E+00	0.00E+00	1.34E-08	2.66E-09	1.69E-08	2.60E-09	3.95E-09	3.95E-08
3475	486363.1	3849377	1.05E-04	1.13E-04	1.78E-04	3.62E-08	1.09E-07	6.33E-08	6.82E-08	6.19E-08	2.82E-08	4.46E-08	0.00E+00	0.00E+00	1.16E-08	2.32E-09	1.47E-08	2.27E-09	3.45E-09	3.44E-08
3476	486863.1	3849377	1.20E-04	1.29E-04	2.04E-04	4.14E-08	1.25E-07	7.24E-08	7.81E-08	7.08E-08	3.23E-08	5.10E-08	0.00E+00	0.00E+00	1.33E-08	2.65E-09	1.68E-08	2.59E-09	3.95E-09	3.93E-08
3477	487363.1	3849377	1.25E-04	1.35E-04	2.14E-04	4.34E-08	1.31E-07	7.58E-08	8.18E-08	7.41E-08	3.38E-08	5.35E-08	0.00E+00	0.00E+00	1.39E-08	2.77E-09	1.76E-08	2.72E-09	4.14E-09	4.12E-08
3478	487863.1	3849377	1.25E-04	1.35E-04	2.14E-04	4.33E-08	1.31E-07	7.56E-08	8.16E-08	7.39E-08	3.37E-08	5.34E-08	0.00E+00	0.00E+00	1.39E-08	2.77E-09	1.76E-08	2.71E-09	4.14E-09	4.11E-08
3479	488363.1	3849377	1.27E-04	1.37E-04	2.17E-04	4.40E-08	1.33E-07	7.69E-08	8.30E-08	7.52E-08	3.43E-08	5.44E-08	0.00E+00	0.00E+00	1.41E-08	2.82E-09	1.79E-08	2.76E-09	4.21E-09	4.18E-08
3480	488863.1	3849377	1.32E-04	1.42E-04	2.26E-04	4.57E-08	1.38E-07	7.99E-08	8.62E-08	7.81E-08	3.56E-08	5.65E-08	0.00E+00	0.00E+00	1.47E-08	2.93E-09	1.86E-08	2.86E-09	4.37E-09	4.34E-08
3481	489363.1	3849377	1.37E-04	1.48E-04	2.35E-04	4.74E-08	1.43E-07	8.29E-08	8.95E-08	8.11E-08	3.70E-08	5.87E-08	0.00E+00	0.00E+00	1.53E-08	3.04E-09	1.93E-08	2.97E-09	4.55E-09	4.51E-08
3482	489863.1	3849377	1.41E-04	1.52E-04	2.42E-04	4.88E-08	1.47E-07	8.53E-08	9.21E-08	8.35E-08	3.81E-08	6.06E-08	0.00E+00	0.00E+00	1.57E-08	3.13E-09	1.98E-08	3.06E-09	4.69E-09	4.64E-08
3483	490363.1	3849377	1.41E-04	1.53E-04	2.43E-04	4.89E-08	1.48E-07	8.55E-08	9.23E-08	8.37E-08	3.82E-08	6.08E-08	0.00E+00	0.00E+00	1.57E-08	3.13E-09	1.99E-08	3.07E-09	4.71E-09	4.65E-08
3484	490863.1	3849377	1.44E-04	1.55E-04	2.48E-04	4.97E-08	1.50E-07	8.69E-08	9.38E-08	8.51E-08	3.88E-08	6.20E-08	0.00E+00	0.00E+00	1.60E-08	3.19E-09	2.02E-08	3.12E-09	4.80E-09	4.73E-08
3485	491363.1	3849377	1.49E-04	1.61E-04	2.57E-04	5.15E-08	1.55E-07	9.00E-08	9.72E-08	8.81E-08	4.02E-08	6.43E-08	0.00E+00	0.00E+00	1.66E-08	3.30E-09	2.09E-08	3.23E-09	4.98E-09	4.90E-08
3486	491863.1	3849377	1.49E-04	1.61E-04	2.57E-04	5.15E-08	1.55E-07	9.00E-08	9.72E-08	8.81E-08	4.02E-08	6.44E-08	0.00E+00	0.00E+00	1.66E-08	3.30E-09	2.09E-08	3.23E-09	4.99E-09	4.90E-08
3487	492363.1	3849377	1.49E-04	1.61E-04	2.58E-04	5.16E-08	1.56E-07	9.02E-08	9.75E-08	8.84E-08	4.03E-08	6.46E-08	0.00E+00	0.00E+00	1.66E-08	3.31E-09	2.10E-08	3.24E-09	5.01E-09	4.92E-08
3488	492863.1	3849377	1.42E-04	1.54E-04	2.47E-04	4.93E-08	1.49E-07	8.62E-08	9.32E-08	8.45E-08	3.85E-08	6.19E-08	0.00E+00	0.00E+00	1.59E-08	3.16E-09	2.01E-08	3.10E-09	4.79E-09	4.70E-08
3489	493363.1	3849377	1.45E-04	1.57E-04	2.52E-04	5.03E-08	1.52E-07	8.80E-08	9.51E-08	8.62E-08	3.93E-08	6.31E-08	0.00E+00	0.00E+00	1.62E-08	3.23E-09	2.05E-08	3.16E-09	4.89E-09	4.80E-08
3490	493863.1	3849377	1.51E-04	1.64E-04	2.63E-04	5.24E-08	1.58E-07	9.16E-08	9.91E-08	8.98E-08	4.10E-08	6.58E-08	0.00E+00	0.00E+00	1.69E-08	3.36E-09	2.13E-08	3.29E-09	5.09E-09	4.99E-08
3491	494363.1	3849377	1.63E-04	1.76E-04	2.83E-04	5.64E-08	1.70E-07	9.86E-08	1.07E-07	9.66E-08	4.41E-08	7.08E-08	0.00E+00	0.00E+00	1.81E-08	3.62E-09	2.30E-08	3.54E-09	5.48E-09	5.37E-08
3492	494863.1	3849377	1.89E-04	2.04E-04	3.27E-04	6.53E-08	1.97E-07	1.14E-07	1.23E-07	1.12E-07	5.10E-08	8.18E-08	0.00E+00	0.00E+00	2.10E-08	4.19E-09	2.66E-08	4.10E-09	6.33E-09	6.22E-08
3493	495363.1	3849377	2.04E-04	2.20E-04	3.53E-04	7.06E-08	2.13E-07	1.23E-07	1.33E-07	1.21E-07	5.51E-08	8.83E-08	0.00E+00	0.00E+00	2.27E-08	4.52E-09	2.87E-08	4.43E-09	6.83E-09	6.72E-08
3494	495863.1	3849377	1.77E-04	1.91E-04	3.07E-04	6.12E-08	1.85E-07	1.07E-07	1.16E-07	1.05E-07	4.79E-08	7.67E-08	0.00E+00	0.00E+00	1.97E-08	3.93E-09	2.49E-08	3.84E-09	5.94E-09	5.83E-08
3495	496363.1	3849377	1.79E-04	1.94E-04	3.11E-04	6.21E-08	1.87E-07	1.08E-07	1.17E-07	1.06E-07	4.85E-08	7.78E-08	0.00E+00	0.00E+00	2.00E-08	3.98E-09	2.53E-08	3.89E-09	6.02E-09	5.91E-08
3496	496863.1	3849377	2.34E-04	2.52E-04	4.04E-04	8.08E-08	2.44E-07	1.41E-07	1.53E-07	1.38E-07	6.31E-08	1.01E-07	0.00E+00	0.00E+00	2.60E-08	5.18E-09	3.29E-08	5.07E-09	7.82E-09	7.70E-08
3497	497363.1	3849377	2.59E-04	2.80E-04	4.48E-04	8.97E-08	2.71E-07	1.57E-07	1.69E-07	1.54E-07	7.01E-08	1.12E-07	0.00E+00	0.00E+00	2.88E-08	5.75E-09	3.65E-08	5.63E-09	8.68E-09	8.54E-08
3498	497863.1	3849377	3.29E-04	3.56E-04	5.68E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.90E-08	1.42E-07	0.00E+00	0.00E+00	3.66E-08	7.30E-09	4.63E-08	7.15E-09	1.10E-08	1.08E-07
3499	498363.1	3849377	3.27E-04	3.53E-04	5.65E-04	1.13E-07	3.42E-07	1.98E-07	2.14E-07	1.94E-07	8.84E-08	1.41E-07	0.00E+00	0.00E+00	3.64E-08	7.26E-09	4.60E-08	7.10E-09	1.09E-08	1.08E-07
3500	471363.1	3849877	2.30E-04	2.48E-04	3.93E-04	7.96E-08	2.40E-07	1.39E-07	1.50E-07	1.36E-07	6.21E-08	9.84E-08	0.00E+00	0.00E+00	2.56E-08	5.10E-09	3.23E-08	4.99E-09	7.62E-09	7.56E-08
3501	471863.1	3849877	2.74E-04	2.96E-04	4.68E-04	9.48E-08	2.86E-07	1.66E-07	1.79E-07	1.62E-07	7.40E-08	1.17E-07	0.00E+00	0.00E+00	3.05E-08	6.07E-09	3.85E-08	5.94E-09	9.06E-09	9.01E-08
3502	472363.1	3849877	3.17E-04	3.41E-04	5.39E-04	1.10E-07	3.31E-07	1.92E-07	2.07E-07	1.87E-07	8.54E-08	1.35E-07	0.00E+00	0.00E+00	3.52E-08	7.01E-09	4.45E-08	6.86E-09	1.05E-08	1.04E-07
3503	472863.1	3849877	3.50E-04	3.77E-04	5.96E-04	1.21E-07	3.66E-07	2.12E-07	2.28E-07	2.07E-07	9.44E-08	1.49E-07	0.00E+00	0.00E+00	3.89E-08	7.75E-09	4.92E-08	7.58E-09	1.15E-08	1.15E-07
3504	473363.1	3849877	3.75E-04	4.04E-04	6.39E-04	1.30E-07	3.92E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.60E-07	0.00E+00	0.00E+00	4.17E-08	8.30E-09	5.27E-08	8.12E-09	1.24E-08	1.23E-07
3505	473863.1	3849877	4.00E-04	4.32E-04	6.84E-04	1.39E-07	4.19E-07	2.42E-07	2.61E-07	2.37E-07	1.08E-07	1.71E-07	0.00E+00	0.00E+00	4.46E-08	8.87E-09	5.63E-08	8.68E-09	1.33E-08	1.32E-07
3506	474363.1	3849877	4.21E-04	4.54E-04	7.20E-04	1.46E-07	4.40E-07	2.55E-07	2.75E-07	2.49E-07	1.14E-07	1.80E-07	0.00E+00	0.00E+00	4.69E-08	9.33E-09	5.92E-08	9.13E-09	1.39E-08	1.39E-07
3507	474863.1	3849877	4.34E-04	4.68E-04	7.42E-04	1.50E-07	4.54E-07	2.63E-07	2.83E-07	2.57E-07	1.17E-07	1.86E-07	0.00E+00	0.00E+00	4.83E-08	9.62E-09	6.10E-08	9.41E-09	1.44E-08	1.43E-07
3508	475363.1	3849877	4.39E-04	4.73E-04	7.49E-04	1.52E-07	4.58E-07	2.65E-07	2.86E-07	2.60E-07	1.18E-07	1.87E-07	0.00E+00	0.00E+00	4.88E-08	9.72E-09	6.17E-08	9.51E-09	1.45E-08	1.44E-07
3509	475863.1	3849877	4.43E-04	4.78E-04	7.55E-04	1.54E-07	4.64E-07	2.68E-07	2.89E-07	2.62E-07	1.20E-07	1.89E-07	0.00E+00	0.00E+00	4.94E-08	9.82E-09	6.23E-08	9.61E-09	1.46E-08	1.46E-07
3510	476363.1	3849877	4.45E-04	4.80E-04	7.55E-04	1.54E-07	4.65E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.89E-07	0.00E+00	0.00E+00	4.95E-08	9.85E-09	6.25E-08	9.64E-09	1.46E-08	1.46E-07
3511	476863.1	3849877	4.42E-04	4.77E-04	7.49E-04	1.53E-07	4.62E-07	2.68E-07	2.89E-07	2.62E-07	1.19E-07	1.87E-07	0.00E+00	0.00E+00	4.92E-08	9.79E-09	6.21E-08	9.58E-09	1.45E-08	1.45E-07
3512	477363.1	3849877	4.28E-04	4.61E-04	7.22E-04	1.48E-07	4.47E-07	2.59E-07	2.79E-07	2.53E-07	1.15E-07	1.81E-07	0.00E+00	0.00E+00	4.76E-08	9.46E-09	6.00E-08	9.26E-09	1.40E-08	1.40E-07
3513	477863.1	3849877	4.38E-04	4.72E-04	7.41E-04	1.52E-07	4.58E-07	2.65E-07	2.86E-07	2.59E-07	1.18E-07	1.85E-07	0.00E+00	0.00E+00	4.87E-08	9.69E-09	6.15E-08	9.48E-09	1.44E-08	1.44E-07
3514	478363.1	3849877	5.45E-04	5.88E-04	9.28E-04	1.89E-07	5.70E-07	3.30E-07	3.56E-07	3.22E-07	1.47E-07	2.32E-07	0.00E+00	0.00E+00	6.07E-08	1.21E-08	7.66E-08	1.18E-08	1.80E-08	1.79E-07
3515	478863.1	3849877	6.68E-04	7.21E-04	1.14E-03	2.31E-07	6.98E-07	4.04E-07	4.36E-07	3.95E-07	1.80E-07	2.86E-07	0.00E+00	0.00E+00	7.44E-08	1.48E-08	9.39E-08	1.45E-08	2.21E-08	2.20E-07
3516	479363.1	3849877	6.04E-04	6.51E-04	1.03E-03	2.09E-07	6.31E-07	3.65E-07	3.94E-07	3.57E-07	1.63E-07	2.58E-07	0.00E+00	0.00E+00	6.72E-08	1.34E-08	8.49E-08	1.31E-08	2.00E-08	1.99E-07
3517	479863.1	3849877	5.37E-04	5.79E-04	9.14E-04	1.86E-07	5.61E-07	3.25E-07	3.50E-07	3.17E-07	1.45E-07	2.29E-07	0.00E+00	0.00E+00	5.97E-08	1.19E-08	7.54E-08	1.16E-08	1.77E-08	1.76E-07
3518	480363.1	3849877	4.08E-04	4.40E-04	6.93E-04	1.41E-07	4.26E-07	2.47E-07	2.66E-07	2.41E-07	1.10E-07	1.74E-07	0.00E+00	0.00E+00	4.54E-08	9.04E-09	5.73E-08	8.84E-09	1.34E-08	1.34E-07
3519	480863.1	3849877	3.29E-04	3.54E-04	5.57E-04	1.14E-07	3.44E-07	1.99E-07	2.14E-07	1.94E-07	8.87E-08	1.40E-07	0.00E+00	0.00E+00	3.66E-08	7.28E-09	4.62E-08	7.12E-09	1.08E-08	1.08E-07
3520	481363.1	3849877	2.79E-04	3.01E-04	4.72E-04	9.66E-08	2.92E-07	1.69E-07	1.82E-07	1.65E-07	7.52E-08	1.18E-07	0.00E+00	0.00E+00	3.11E-08	6.17E-09	3.92E-08	6.04E-09	9.15E-09	9.16E-08
3521	481863.1	3849877	1.82E-04	1.96E-04	3.09E-04	6.29E-08	1.90E-07	1.10E-07	1.19E-07	1.08E-07	4.91E-08	7.74E-08	0.00E+00	0.00E+00	2.02E-08	4.03E-09	2.56E-08	3.94E-09	6.00E-09	5.98E-08
3522	482363.1	3849877	1.55E-04	1.67E-04	2.64E-04	5.37E-08	1.62E-07	9.39E-08	1.01E-07	9.18E-08	4.19E-08	6.61E-08	0.00E+00	0.00E+00	1.73E-08	3.44E-09	2.18E-08	3.36E-09	5.12E-09	5.10E-08
3523	482863.1	3849877	1.38E-04	1.49E-04	2.34E-04	4.77E-08	1.44E-07	8.33E-08	8.99E-08	8.15E-08	3.72E-08	5.87E-08	0.00E+00	0.00E+00	1.53E-08	3.05E-09	1.94E-08	2.99E-09	4.54E-09	4.53E-08
3524	483363.1	3849877	1.23E-04	1.33E-04	2.09E-04	4.25E-08	1.28E-07	7.44E-08	8.02E-08	7.27E-08	3.32E-08	5.24E-08	0.00E+00	0.00E+00	1.37E-08	2.72E-09	1.73E-08	2.66E-09	4.06E-09	4.04E-08
3525	483863.1	3849877	1.20E-04	1.30E-04	2.05E-04	4.16E-08	1.26E-07	7.28E-08	7.85E-08	7.11E-08	3.25E-08	5.12E-08	0.00E+00	0.00E+00	1.34E-08	2.66E-09	1.69E-08	2.61E-09	3.96E-09	3.95E-08
3526	484363.1	3849877	1.49E-04	1.60E-04	2.52E-04	5.15E-08	1.56E-07	9.00E-08	9.71E-08	8.80E-08	4.01E-08	6.32E-08	0.00E+00	0.00E+00	1.66E-08	3.29E-09	2.09E-08	3.22E-09	4.89E-09	4.89E-08
3527	484863.1	3849877	1.89E-04	2.04E-04	3.20E-04	6.55E-08	1.98E-07	1.15E-07	1.23E-07	1.12E-07	5.11E-08	8.02E-08	0.00E+00	0.00E+00	2.11E-08	4.19E-09	2.66E-08	4.10E-09	6.21E-09	6.22E-08

3528	485363.1	3849877	1.73E-04	1.86E-04	2.92E-04	5.98E-08	1.81E-07	1.05E-07	1.13E-07	1.02E-07	4.66E-08	7.31E-08	0.00E+00	0.00E+00	1.92E-08	3.82E-09	2.43E-08	3.74E-09	5.66E-09	5.67E-08
3529	485863.1	3849877	1.48E-04	1.59E-04	2.50E-04	5.11E-08	1.54E-07	8.94E-08	9.63E-08	8.73E-08	3.98E-08	6.27E-08	0.00E+00	0.00E+00	1.64E-08	3.27E-09	2.07E-08	3.20E-09	4.85E-09	4.85E-08
3530	486363.1	3849877	1.39E-04	1.50E-04	2.37E-04	4.83E-08	1.46E-07	8.43E-08	9.10E-08	8.25E-08	3.76E-08	5.94E-08	0.00E+00	0.00E+00	1.55E-08	3.09E-09	1.96E-08	3.02E-09	4.60E-09	4.58E-08
3531	486863.1	3849877	1.52E-04	1.64E-04	2.59E-04	5.26E-08	1.59E-07	9.19E-08	9.91E-08	8.99E-08	4.10E-08	6.48E-08	0.00E+00	0.00E+00	1.69E-08	3.37E-09	2.14E-08	3.29E-09	5.02E-09	4.99E-08
3532	487363.1	3849877	1.54E-04	1.66E-04	2.62E-04	5.32E-08	1.61E-07	9.30E-08	1.00E-07	9.10E-08	4.15E-08	6.56E-08	0.00E+00	0.00E+00	1.71E-08	3.41E-09	2.16E-08	3.33E-09	5.08E-09	5.05E-08
3533	487863.1	3849877	1.55E-04	1.67E-04	2.65E-04	5.37E-08	1.62E-07	9.39E-08	1.01E-07	9.18E-08	4.19E-08	6.63E-08	0.00E+00	0.00E+00	1.73E-08	3.44E-09	2.18E-08	3.36E-09	5.14E-09	5.10E-08
3534	488363.1	3849877	1.59E-04	1.72E-04	2.72E-04	5.52E-08	1.67E-07	9.64E-08	1.04E-07	9.43E-08	4.30E-08	6.81E-08	0.00E+00	0.00E+00	1.77E-08	3.53E-09	2.24E-08	3.46E-09	5.28E-09	5.24E-08
3535	488863.1	3849877	1.66E-04	1.79E-04	2.84E-04	5.75E-08	1.74E-07	1.00E-07	1.08E-07	9.83E-08	4.49E-08	7.11E-08	0.00E+00	0.00E+00	1.85E-08	3.68E-09	2.34E-08	3.60E-09	5.51E-09	5.46E-08
3536	489363.1	3849877	1.71E-04	1.85E-04	2.93E-04	5.93E-08	1.79E-07	1.04E-07	1.12E-07	1.01E-07	4.63E-08	7.35E-08	0.00E+00	0.00E+00	1.91E-08	3.80E-09	2.41E-08	3.71E-09	5.69E-09	5.63E-08
3537	489863.1	3849877	1.74E-04	1.88E-04	3.00E-04	6.04E-08	1.82E-07	1.06E-07	1.14E-07	1.03E-07	4.72E-08	7.51E-08	0.00E+00	0.00E+00	1.94E-08	3.87E-09	2.46E-08	3.79E-09	5.82E-09	5.74E-08
3538	490363.1	3849877	1.77E-04	1.91E-04	3.05E-04	6.12E-08	1.85E-07	1.07E-07	1.16E-07	1.05E-07	4.78E-08	7.63E-08	0.00E+00	0.00E+00	1.97E-08	3.92E-09	2.49E-08	3.84E-09	5.91E-09	5.82E-08
3539	490863.1	3849877	1.83E-04	1.98E-04	3.16E-04	6.34E-08	1.91E-07	1.11E-07	1.20E-07	1.08E-07	4.95E-08	7.91E-08	0.00E+00	0.00E+00	2.04E-08	4.06E-09	2.58E-08	3.98E-09	6.12E-09	6.03E-08
3540	491363.1	3849877	1.89E-04	2.04E-04	3.27E-04	6.55E-08	1.98E-07	1.14E-07	1.24E-07	1.12E-07	5.11E-08	8.17E-08	0.00E+00	0.00E+00	2.11E-08	4.20E-09	2.66E-08	4.11E-09	6.33E-09	6.23E-08
3541	491863.1	3849877	1.90E-04	2.05E-04	3.29E-04	6.58E-08	1.99E-07	1.15E-07	1.24E-07	1.13E-07	5.14E-08	8.23E-08	0.00E+00	0.00E+00	2.12E-08	4.22E-09	2.68E-08	4.13E-09	6.37E-09	6.26E-08
3542	492363.1	3849877	1.92E-04	2.08E-04	3.32E-04	6.65E-08	2.01E-07	1.16E-07	1.26E-07	1.14E-07	5.19E-08	8.32E-08	0.00E+00	0.00E+00	2.14E-08	4.26E-09	2.70E-08	4.17E-09	6.44E-09	6.33E-08
3543	492863.1	3849877	1.88E-04	2.03E-04	3.26E-04	6.50E-08	1.96E-07	1.14E-07	1.23E-07	1.11E-07	5.08E-08	8.15E-08	0.00E+00	0.00E+00	2.09E-08	4.17E-09	2.65E-08	4.08E-09	6.31E-09	6.19E-08
3544	493363.1	3849877	1.84E-04	1.99E-04	3.19E-04	6.37E-08	1.92E-07	1.11E-07	1.20E-07	1.09E-07	4.98E-08	7.98E-08	0.00E+00	0.00E+00	2.05E-08	4.08E-09	2.59E-08	4.00E-09	6.18E-09	6.06E-08
3545	493863.1	3849877	1.85E-04	2.00E-04	3.21E-04	6.41E-08	1.94E-07	1.12E-07	1.21E-07	1.10E-07	5.01E-08	8.04E-08	0.00E+00	0.00E+00	2.06E-08	4.11E-09	2.61E-08	4.02E-09	6.22E-09	6.11E-08
3546	494363.1	3849877	2.24E-04	2.42E-04	3.87E-04	7.74E-08	2.34E-07	1.35E-07	1.46E-07	1.33E-07	6.05E-08	9.69E-08	0.00E+00	0.00E+00	2.49E-08	4.96E-09	3.15E-08	4.86E-09	7.50E-09	7.37E-08
3547	494863.1	3849877	2.56E-04	2.76E-04	4.43E-04	8.86E-08	2.67E-07	1.55E-07	1.67E-07	1.52E-07	6.92E-08	1.11E-07	0.00E+00	0.00E+00	2.85E-08	5.68E-09	3.60E-08	5.56E-09	8.58E-09	8.43E-08
3548	495363.1	3849877	2.37E-04	2.56E-04	4.10E-04	8.21E-08	2.48E-07	1.43E-07	1.55E-07	1.41E-07	6.41E-08	1.03E-07	0.00E+00	0.00E+00	2.64E-08	5.26E-09	3.34E-08	5.15E-09	7.95E-09	7.82E-08
3549	495863.1	3849877	2.74E-04	2.97E-04	4.74E-04	9.50E-08	2.87E-07	1.66E-07	1.79E-07	1.63E-07	7.42E-08	1.19E-07	0.00E+00	0.00E+00	3.05E-08	6.09E-09	3.86E-08	5.96E-09	9.19E-09	9.04E-08
3550	496363.1	3849877	2.94E-04	3.17E-04	5.07E-04	1.02E-07	3.07E-07	1.78E-07	1.92E-07	1.74E-07	7.94E-08	1.27E-07	0.00E+00	0.00E+00	3.27E-08	6.52E-09	4.14E-08	6.38E-09	9.83E-09	9.68E-08
3551	496863.1	3849877	3.10E-04	3.35E-04	5.35E-04	1.07E-07	3.24E-07	1.87E-07	2.03E-07	1.84E-07	8.38E-08	1.34E-07	0.00E+00	0.00E+00	3.45E-08	6.88E-09	4.36E-08	6.73E-09	1.04E-08	1.02E-07
3552	497363.1	3849877	3.67E-04	3.97E-04	6.34E-04	1.27E-07	3.84E-07	2.22E-07	2.40E-07	2.18E-07	9.93E-08	1.59E-07	0.00E+00	0.00E+00	4.09E-08	8.15E-09	5.17E-08	7.97E-09	1.23E-08	1.21E-07
3553	497863.1	3849877	3.94E-04	4.26E-04	6.80E-04	1.36E-07	4.12E-07	2.39E-07	2.58E-07	2.34E-07	1.07E-07	1.70E-07	0.00E+00	0.00E+00	4.39E-08	8.75E-09	5.55E-08	8.56E-09	1.32E-08	1.30E-07
3554	498363.1	3849877	3.90E-04	4.21E-04	6.73E-04	1.35E-07	4.08E-07	2.36E-07	2.55E-07	2.31E-07	1.05E-07	1.68E-07	0.00E+00	0.00E+00	4.34E-08	8.65E-09	5.49E-08	8.47E-09	1.30E-08	1.28E-07
3555	471363.1	3850377	1.88E-04	2.03E-04	3.22E-04	6.49E-08	1.96E-07	1.14E-07	1.23E-07	1.11E-07	5.07E-08	8.06E-08	0.00E+00	0.00E+00	2.09E-08	4.16E-09	2.64E-08	4.07E-09	6.24E-09	6.17E-08
3556	471863.1	3850377	2.44E-04	2.63E-04	4.18E-04	8.44E-08	2.55E-07	1.47E-07	1.59E-07	1.44E-07	6.58E-08	1.05E-07	0.00E+00	0.00E+00	2.71E-08	5.40E-09	3.43E-08	5.29E-09	8.09E-09	8.02E-08
3557	472363.1	3850377	2.73E-04	2.95E-04	4.67E-04	9.45E-08	2.85E-07	1.65E-07	1.78E-07	1.62E-07	7.37E-08	1.17E-07	0.00E+00	0.00E+00	3.04E-08	6.05E-09	3.84E-08	5.92E-09	9.05E-09	8.98E-08
3558	472863.1	3850377	3.29E-04	3.54E-04	5.60E-04	1.14E-07	3.43E-07	1.99E-07	2.14E-07	1.94E-07	8.87E-08	1.40E-07	0.00E+00	0.00E+00	3.66E-08	7.28E-09	4.62E-08	7.12E-09	1.09E-08	1.08E-07
3559	473363.1	3850377	3.59E-04	3.87E-04	6.12E-04	1.24E-07	3.75E-07	2.17E-07	2.34E-07	2.13E-07	9.70E-08	1.53E-07	0.00E+00	0.00E+00	4.00E-08	7.96E-09	5.05E-08	7.79E-09	1.19E-08	1.18E-07
3560	473863.1	3850377	3.98E-04	4.29E-04	6.78E-04	1.38E-07	4.15E-07	2.41E-07	2.59E-07	2.35E-07	1.07E-07	1.70E-07	0.00E+00	0.00E+00	4.42E-08	8.81E-09	5.59E-08	8.62E-09	1.31E-08	1.31E-07
3561	474363.1	3850377	4.33E-04	4.67E-04	7.38E-04	1.50E-07	4.52E-07	2.62E-07	2.83E-07	2.56E-07	1.17E-07	1.85E-07	0.00E+00	0.00E+00	4.82E-08	9.59E-09	6.08E-08	9.38E-09	1.43E-08	1.42E-07
3562	474863.1	3850377	4.64E-04	5.01E-04	7.92E-04	1.61E-07	4.85E-07	2.81E-07	3.03E-07	2.75E-07	1.25E-07	1.98E-07	0.00E+00	0.00E+00	5.17E-08	1.03E-08	6.52E-08	1.01E-08	1.54E-08	1.53E-07
3563	475363.1	3850377	4.90E-04	5.28E-04	8.37E-04	1.70E-07	5.12E-07	2.96E-07	3.20E-07	2.90E-07	1.32E-07	2.09E-07	0.00E+00	0.00E+00	5.45E-08	1.09E-08	6.89E-08	1.06E-08	1.62E-08	1.61E-07
3564	475863.1	3850377	5.03E-04	5.43E-04	8.60E-04	1.74E-07	5.26E-07	3.05E-07	3.29E-07	2.98E-07	1.36E-07	2.15E-07	0.00E+00	0.00E+00	5.60E-08	1.12E-08	7.08E-08	1.09E-08	1.67E-08	1.66E-07
3565	476363.1	3850377	5.09E-04	5.50E-04	8.68E-04	1.76E-07	5.33E-07	3.08E-07	3.33E-07	3.01E-07	1.38E-07	2.17E-07	0.00E+00	0.00E+00	5.67E-08	1.13E-08	7.16E-08	1.10E-08	1.68E-08	1.67E-07
3566	476863.1	3850377	5.15E-04	5.55E-04	8.74E-04	1.78E-07	5.38E-07	3.11E-07	3.36E-07	3.04E-07	1.39E-07	2.19E-07	0.00E+00	0.00E+00	5.73E-08	1.14E-08	7.23E-08	1.12E-08	1.69E-08	1.69E-07
3567	477363.1	3850377	5.16E-04	5.56E-04	8.73E-04	1.79E-07	5.39E-07	3.12E-07	3.36E-07	3.05E-07	1.39E-07	2.18E-07	0.00E+00	0.00E+00	5.74E-08	1.14E-08	7.24E-08	1.12E-08	1.69E-08	1.69E-07
3568	477863.1	3850377	4.99E-04	5.37E-04	8.43E-04	1.73E-07	5.21E-07	3.02E-07	3.25E-07	2.95E-07	1.35E-07	2.11E-07	0.00E+00	0.00E+00	5.55E-08	1.10E-08	7.00E-08	1.08E-08	1.63E-08	1.64E-07
3569	478363.1	3850377	4.99E-04	5.37E-04	8.44E-04	1.73E-07	5.21E-07	3.02E-07	3.25E-07	2.95E-07	1.35E-07	2.11E-07	0.00E+00	0.00E+00	5.55E-08	1.10E-08	7.00E-08	1.08E-08	1.64E-08	1.64E-07
3570	478863.1	3850377	6.52E-04	7.03E-04	1.11E-03	2.26E-07	6.82E-07	3.95E-07	4.26E-07	3.86E-07	1.76E-07	2.77E-07	0.00E+00	0.00E+00	7.26E-08	1.44E-08	9.16E-08	1.41E-08	2.15E-08	2.14E-07
3571	479363.1	3850377	7.96E-04	8.58E-04	1.36E-03	2.75E-07	8.32E-07	4.81E-07	5.19E-07	4.71E-07	2.15E-07	3.40E-07	0.00E+00	0.00E+00	8.86E-08	1.76E-08	1.12E-07	1.73E-08	2.63E-08	2.62E-07
3572	479863.1	3850377	7.34E-04	7.92E-04	1.25E-03	2.54E-07	7.67E-07	4.44E-07	4.79E-07	4.34E-07	1.98E-07	3.13E-07	0.00E+00	0.00E+00	8.17E-08	1.63E-08	1.03E-07	1.59E-08	2.43E-08	2.41E-07
3573	480363.1	3850377	6.12E-04	6.60E-04	1.04E-03	2.12E-07	6.40E-07	3.70E-07	3.99E-07	3.62E-07	1.65E-07	2.61E-07	0.00E+00	0.00E+00	6.81E-08	1.36E-08	8.60E-08	1.33E-08	2.02E-08	2.01E-07
3574	480863.1	3850377	5.60E-04	6.03E-04	9.50E-04	1.94E-07	5.85E-07	3.39E-07	3.65E-07	3.31E-07	1.51E-07	2.38E-07	0.00E+00	0.00E+00	6.23E-08	1.24E-08	7.86E-08	1.21E-08	1.84E-08	1.84E-07
3575	481363.1	3850377	3.46E-04	3.72E-04	5.85E-04	1.20E-07	3.61E-07	2.09E-07	2.25E-07	2.04E-07	9.32E-08	1.46E-07	0.00E+00	0.00E+00	3.85E-08	7.65E-09	4.85E-08	7.49E-09	1.13E-08	1.13E-07
3576	481863.1	3850377	3.13E-04	3.37E-04	5.30E-04	1.08E-07	3.27E-07	1.89E-07	2.04E-07	1.85E-07	8.44E-08	1.33E-07	0.00E+00	0.00E+00	3.48E-08	6.92E-09	4.39E-08	6.77E-09	1.03E-08	1.03E-07
3577	482363.1	3850377	2.79E-04	3.00E-04	4.73E-04	9.65E-08	2.91E-07	1.69E-07	1.82E-07	1.65E-07	7.52E-08	1.18E-07	0.00E+00	0.00E+00	3.10E-08	6.17E-09	3.92E-08	6.04E-09	9.16E-09	9.15E-08
3578	482863.1	3850377	1.95E-04	2.10E-04	3.31E-04	6.76E-08	2.04E-07	1.18E-07	1.27E-07	1.15E-07	5.27E-08	8.29E-08	0.00E+00	0.00E+00	2.17E-08	4.32E-09	2.74E-08	4.23E-09	6.42E-09	6.41E-08
3579	483363.1	3850377	1.61E-04	1.74E-04	2.74E-04	5.58E-08	1.68E-07	9.75E-08	1.05E-07	9.53E-08	4.35E-08	6.86E-08	0.00E+00	0.00E+00	1.79E-08	3.57E-09	2.26E-08	3.49E-09	5.31E-09	5.30E-08
3580	483863.1	3850377	1.68E-04	1.81E-04	2.85E-04	5.83E-08	1.76E-07	1.02E-07	1.10E-07	9.95E-08	4.54E-08	7.14E-08	0.00E+00	0.00E+00	1.87E-08	3.73E-09	2.36E-08	3.65E-09	5.53E-09	5.53E-08
3581	484363.1	3850377	1.93E-04	2.08E-04	3.26E-04	6.68E-08	2.02E-07	1.17E-07	1.26E-07	1.14E-07	5.20E-08	8.17E-08	0.00E+00	0.00E+00	2.15E-08	4.27E-09	2.71E-08	4.18E-09	6.32E-09	6.33E-08
3582	484863.1	3850377	2.25E-04	2.43E-04	3.81E-04	7.80E-08	2.35E-07	1.36E-07	1.47E-07	1.33E-07	6.07E-08	9.53E-08	0.00E+00	0.00E+00	2.51E-08	4.98E-09	3.16E-08	4.88E-09	7.38E-09	7.39E-08
3583	485363.1	3850377	2.19E-04	2.36E-04	3.70E-04	7.59E-08	2.29E-07	1.33E-07	1.43E-07	1.30E-07	5.91E-08	9.27E-08	0.00E+00	0.00E+00	2.44E-08	4.85E-09	3.08E-08	4.75E-09	7.18E-09	7.20E-08
3584	485863.1	3850377	1.97E-04	2.12E-04	3.34E-04	6.82E-08	2.06E-07	1.19E-07	1.28E-07	1.16E-07	5.31E-08	8.35E-08	0.00E+00	0.00E+00	2.19E-08	4.36E-09	2.77E-08	4.27E-09	6.47E-09	6.47E-08

3585	486363.1	3850377	1.95E-04	2.11E-04	3.32E-04	6.76E-08	2.04E-07	1.18E-07	1.27E-07	1.15E-07	5.27E-08	8.30E-08	0.00E+00	0.00E+00	2.17E-08	4.32E-09	2.74E-08	4.23E-09	6.43E-09	6.42E-08
3586	486863.1	3850377	1.96E-04	2.12E-04	3.34E-04	6.80E-08	2.05E-07	1.19E-07	1.28E-07	1.16E-07	5.30E-08	8.36E-08	0.00E+00	0.00E+00	2.19E-08	4.35E-09	2.76E-08	4.26E-09	6.48E-09	6.45E-08
3587	487363.1	3850377	1.92E-04	2.07E-04	3.26E-04	6.63E-08	2.00E-07	1.16E-07	1.25E-07	1.13E-07	5.17E-08	8.17E-08	0.00E+00	0.00E+00	2.13E-08	4.24E-09	2.69E-08	4.15E-09	6.33E-09	6.30E-08
3588	487863.1	3850377	1.98E-04	2.14E-04	3.38E-04	6.86E-08	2.07E-07	1.20E-07	1.29E-07	1.17E-07	5.35E-08	8.45E-08	0.00E+00	0.00E+00	2.20E-08	4.39E-09	2.78E-08	4.29E-09	6.54E-09	6.51E-08
3589	488363.1	3850377	2.04E-04	2.20E-04	3.48E-04	7.05E-08	2.13E-07	1.23E-07	1.33E-07	1.20E-07	5.50E-08	8.70E-08	0.00E+00	0.00E+00	2.27E-08	4.51E-09	2.86E-08	4.41E-09	6.74E-09	6.70E-08
3590	488863.1	3850377	2.13E-04	2.30E-04	3.64E-04	7.37E-08	2.22E-07	1.29E-07	1.39E-07	1.26E-07	5.75E-08	9.12E-08	0.00E+00	0.00E+00	2.37E-08	4.72E-09	2.99E-08	4.62E-09	7.06E-09	7.00E-08
3591	489363.1	3850377	2.21E-04	2.39E-04	3.81E-04	7.67E-08	2.32E-07	1.34E-07	1.45E-07	1.31E-07	5.99E-08	9.53E-08	0.00E+00	0.00E+00	2.47E-08	4.91E-09	3.12E-08	4.81E-09	7.38E-09	7.29E-08
3592	489863.1	3850377	2.26E-04	2.44E-04	3.89E-04	7.81E-08	2.36E-07	1.37E-07	1.48E-07	1.34E-07	6.10E-08	9.73E-08	0.00E+00	0.00E+00	2.51E-08	5.01E-09	3.18E-08	4.90E-09	7.54E-09	7.44E-08
3593	490363.1	3850377	2.33E-04	2.51E-04	4.01E-04	8.05E-08	2.43E-07	1.41E-07	1.52E-07	1.38E-07	6.29E-08	1.00E-07	0.00E+00	0.00E+00	2.59E-08	5.16E-09	3.27E-08	5.05E-09	7.78E-09	7.66E-08
3594	490863.1	3850377	2.42E-04	2.61E-04	4.17E-04	8.37E-08	2.53E-07	1.46E-07	1.58E-07	1.43E-07	6.54E-08	1.04E-07	0.00E+00	0.00E+00	2.69E-08	5.36E-09	3.40E-08	5.25E-09	8.09E-09	7.96E-08
3595	491363.1	3850377	2.49E-04	2.69E-04	4.31E-04	8.63E-08	2.61E-07	1.51E-07	1.63E-07	1.48E-07	6.74E-08	1.08E-07	0.00E+00	0.00E+00	2.78E-08	5.53E-09	3.51E-08	5.41E-09	8.35E-09	8.22E-08
3596	491863.1	3850377	2.48E-04	2.68E-04	4.29E-04	8.59E-08	2.59E-07	1.50E-07	1.62E-07	1.47E-07	6.71E-08	1.07E-07	0.00E+00	0.00E+00	2.76E-08	5.51E-09	3.49E-08	5.39E-09	8.32E-09	8.18E-08
3597	492363.1	3850377	2.44E-04	2.64E-04	4.22E-04	8.45E-08	2.55E-07	1.48E-07	1.60E-07	1.45E-07	6.60E-08	1.06E-07	0.00E+00	0.00E+00	2.72E-08	5.42E-09	3.44E-08	5.30E-09	8.19E-09	8.04E-08
3598	492863.1	3850377	2.46E-04	2.66E-04	4.26E-04	8.51E-08	2.57E-07	1.49E-07	1.61E-07	1.46E-07	6.65E-08	1.07E-07	0.00E+00	0.00E+00	2.74E-08	5.45E-09	3.46E-08	5.34E-09	8.25E-09	8.10E-08
3599	493363.1	3850377	2.40E-04	2.60E-04	4.16E-04	8.32E-08	2.51E-07	1.45E-07	1.57E-07	1.42E-07	6.50E-08	1.04E-07	0.00E+00	0.00E+00	2.68E-08	5.34E-09	3.39E-08	5.22E-09	8.07E-09	7.92E-08
3600	493863.1	3850377	2.67E-04	2.88E-04	4.62E-04	9.24E-08	2.79E-07	1.62E-07	1.75E-07	1.58E-07	7.22E-08	1.16E-07	0.00E+00	0.00E+00	2.97E-08	5.92E-09	3.76E-08	5.80E-09	8.96E-09	8.80E-08
3601	494363.1	3850377	2.89E-04	3.13E-04	5.00E-04	1.00E-07	3.02E-07	1.75E-07	1.89E-07	1.71E-07	7.82E-08	1.25E-07	0.00E+00	0.00E+00	3.22E-08	6.42E-09	4.07E-08	6.28E-09	9.70E-09	9.54E-08
3602	494863.1	3850377	3.24E-04	3.50E-04	5.60E-04	1.12E-07	3.39E-07	1.96E-07	2.12E-07	1.92E-07	8.77E-08	1.40E-07	0.00E+00	0.00E+00	3.61E-08	7.20E-09	4.57E-08	7.04E-09	1.09E-08	1.07E-07
3603	495363.1	3850377	3.67E-04	3.97E-04	6.34E-04	1.27E-07	3.84E-07	2.22E-07	2.40E-07	2.18E-07	9.94E-08	1.59E-07	0.00E+00	0.00E+00	4.09E-08	8.15E-09	5.17E-08	7.98E-09	1.23E-08	1.21E-07
3604	495863.1	3850377	3.60E-04	3.89E-04	6.22E-04	1.25E-07	3.76E-07	2.18E-07	2.35E-07	2.13E-07	9.74E-08	1.56E-07	0.00E+00	0.00E+00	4.01E-08	7.99E-09	5.07E-08	7.82E-09	1.21E-08	1.19E-07
3605	496363.1	3850377	4.04E-04	4.36E-04	6.97E-04	1.40E-07	4.22E-07	2.44E-07	2.64E-07	2.39E-07	1.09E-07	1.75E-07	0.00E+00	0.00E+00	4.50E-08	8.96E-09	5.69E-08	8.77E-09	1.35E-08	1.33E-07
3606	496863.1	3850377	4.46E-04	4.82E-04	7.70E-04	1.54E-07	4.66E-07	2.70E-07	2.92E-07	2.64E-07	1.21E-07	1.93E-07	0.00E+00	0.00E+00	4.97E-08	9.90E-09	6.28E-08	9.69E-09	1.49E-08	1.47E-07
3607	497363.1	3850377	4.69E-04	5.07E-04	8.09E-04	1.62E-07	4.90E-07	2.84E-07	3.07E-07	2.78E-07	1.27E-07	2.03E-07	0.00E+00	0.00E+00	5.22E-08	1.04E-08	6.60E-08	1.02E-08	1.57E-08	1.54E-07
3608	497863.1	3850377	4.72E-04	5.10E-04	8.15E-04	1.63E-07	4.94E-07	2.86E-07	3.09E-07	2.80E-07	1.28E-07	2.04E-07	0.00E+00	0.00E+00	5.26E-08	1.05E-08	6.65E-08	1.03E-08	1.58E-08	1.56E-07
3609	498363.1	3850377	4.75E-04	5.13E-04	8.20E-04	1.64E-07	4.97E-07	2.87E-07	3.11E-07	2.82E-07	1.28E-07	2.05E-07	0.00E+00	0.00E+00	5.29E-08	1.05E-08	6.69E-08	1.03E-08	1.59E-08	1.57E-07
3610	471363.1	3850877	2.33E-04	2.51E-04	3.99E-04	8.05E-08	2.43E-07	1.41E-07	1.52E-07	1.38E-07	6.28E-08	9.98E-08	0.00E+00	0.00E+00	2.59E-08	5.16E-09	3.27E-08	5.05E-09	7.73E-09	7.65E-08
3611	471863.1	3850877	2.59E-04	2.80E-04	4.44E-04	8.97E-08	2.71E-07	1.57E-07	1.69E-07	1.53E-07	7.00E-08	1.11E-07	0.00E+00	0.00E+00	2.88E-08	5.74E-09	3.64E-08	5.62E-09	8.61E-09	8.52E-08
3612	472363.1	3850877	2.96E-04	3.20E-04	5.08E-04	1.03E-07	3.10E-07	1.79E-07	1.93E-07	1.75E-07	8.00E-08	1.27E-07	0.00E+00	0.00E+00	3.30E-08	6.57E-09	4.17E-08	6.43E-09	9.84E-09	9.75E-08
3613	472863.1	3850877	3.31E-04	3.57E-04	5.66E-04	1.14E-07	3.46E-07	2.00E-07	2.16E-07	1.96E-07	8.93E-08	1.42E-07	0.00E+00	0.00E+00	3.68E-08	7.33E-09	4.65E-08	7.17E-09	1.10E-08	1.09E-07
3614	473363.1	3850877	3.23E-04	3.48E-04	5.53E-04	1.12E-07	3.37E-07	1.95E-07	2.11E-07	1.91E-07	8.72E-08	1.38E-07	0.00E+00	0.00E+00	3.59E-08	7.16E-09	4.54E-08	7.00E-09	1.07E-08	1.06E-07
3615	473863.1	3850877	3.71E-04	4.01E-04	6.34E-04	1.29E-07	3.88E-07	2.25E-07	2.42E-07	2.20E-07	1.00E-07	1.59E-07	0.00E+00	0.00E+00	4.13E-08	8.23E-09	5.22E-08	8.05E-09	1.23E-08	1.22E-07
3616	474363.1	3850877	4.29E-04	4.63E-04	7.31E-04	1.49E-07	4.49E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.83E-07	0.00E+00	0.00E+00	4.78E-08	9.51E-09	6.03E-08	9.30E-09	1.42E-08	1.41E-07
3617	474863.1	3850877	4.69E-04	5.06E-04	7.99E-04	1.62E-07	4.90E-07	2.84E-07	3.06E-07	2.77E-07	1.27E-07	2.00E-07	0.00E+00	0.00E+00	5.22E-08	1.04E-08	6.59E-08	1.02E-08	1.55E-08	1.54E-07
3618	475363.1	3850877	5.08E-04	5.48E-04	8.66E-04	1.76E-07	5.31E-07	3.07E-07	3.32E-07	3.01E-07	1.37E-07	2.17E-07	0.00E+00	0.00E+00	5.66E-08	1.13E-08	7.14E-08	1.10E-08	1.68E-08	1.67E-07
3619	475863.1	3850877	5.47E-04	5.91E-04	9.34E-04	1.89E-07	5.72E-07	3.31E-07	3.57E-07	3.24E-07	1.48E-07	2.34E-07	0.00E+00	0.00E+00	6.09E-08	1.21E-08	7.70E-08	1.19E-08	1.81E-08	1.80E-07
3620	476363.1	3850877	5.77E-04	6.23E-04	9.85E-04	2.00E-07	6.03E-07	3.49E-07	3.77E-07	3.42E-07	1.56E-07	2.47E-07	0.00E+00	0.00E+00	6.43E-08	1.28E-08	8.12E-08	1.25E-08	1.91E-08	1.90E-07
3621	476863.1	3850877	5.94E-04	6.41E-04	1.01E-03	2.06E-07	6.21E-07	3.60E-07	3.88E-07	3.52E-07	1.60E-07	2.54E-07	0.00E+00	0.00E+00	6.62E-08	1.32E-08	8.35E-08	1.29E-08	1.96E-08	1.95E-07
3622	477363.1	3850877	6.05E-04	6.53E-04	1.03E-03	2.10E-07	6.33E-07	3.66E-07	3.95E-07	3.58E-07	1.63E-07	2.58E-07	0.00E+00	0.00E+00	6.74E-08	1.34E-08	8.51E-08	1.31E-08	1.99E-08	1.99E-07
3623	477863.1	3850877	6.10E-04	6.58E-04	1.03E-03	2.11E-07	6.38E-07	3.69E-07	3.98E-07	3.61E-07	1.65E-07	2.59E-07	0.00E+00	0.00E+00	6.79E-08	1.35E-08	8.57E-08	1.32E-08	2.00E-08	2.00E-07
3624	478363.1	3850877	5.99E-04	6.45E-04	1.01E-03	2.07E-07	6.26E-07	3.62E-07	3.90E-07	3.54E-07	1.61E-07	2.53E-07	0.00E+00	0.00E+00	6.67E-08	1.33E-08	8.41E-08	1.30E-08	1.96E-08	1.97E-07
3625	478863.1	3850877	6.21E-04	6.69E-04	1.04E-03	2.15E-07	6.49E-07	3.76E-07	4.05E-07	3.67E-07	1.67E-07	2.61E-07	0.00E+00	0.00E+00	6.91E-08	1.37E-08	8.72E-08	1.34E-08	2.02E-08	2.04E-07
3626	479363.1	3850877	7.71E-04	8.31E-04	1.31E-03	2.67E-07	8.06E-07	4.67E-07	5.03E-07	4.56E-07	2.08E-07	3.27E-07	0.00E+00	0.00E+00	8.59E-08	1.71E-08	1.08E-07	1.67E-08	2.53E-08	2.53E-07
3627	479863.1	3850877	9.25E-04	9.98E-04	1.58E-03	3.20E-07	9.67E-07	5.60E-07	6.04E-07	5.47E-07	2.50E-07	3.95E-07	0.00E+00	0.00E+00	1.03E-07	2.05E-08	1.30E-07	2.01E-08	3.06E-08	3.04E-07
3628	480363.1	3850877	9.11E-04	9.82E-04	1.55E-03	3.15E-07	9.52E-07	5.51E-07	5.94E-07	5.39E-07	2.46E-07	3.87E-07	0.00E+00	0.00E+00	1.01E-07	2.02E-08	1.28E-07	1.97E-08	3.00E-08	2.99E-07
3629	480863.1	3850877	8.00E-04	8.62E-04	1.36E-03	2.77E-07	8.36E-07	4.84E-07	5.22E-07	4.73E-07	2.16E-07	3.40E-07	0.00E+00	0.00E+00	8.90E-08	1.77E-08	1.12E-07	1.73E-08	2.63E-08	2.63E-07
3630	481363.1	3850877	6.99E-04	7.53E-04	1.18E-03	2.42E-07	7.31E-07	4.23E-07	4.56E-07	4.13E-07	1.89E-07	2.97E-07	0.00E+00	0.00E+00	7.78E-08	1.55E-08	9.82E-08	1.51E-08	2.30E-08	2.30E-07
3631	481863.1	3850877	5.60E-04	6.04E-04	9.47E-04	1.94E-07	5.86E-07	3.39E-07	3.65E-07	3.31E-07	1.51E-07	2.37E-07	0.00E+00	0.00E+00	6.24E-08	1.24E-08	7.87E-08	1.21E-08	1.83E-08	1.84E-07
3632	482363.1	3850877	4.02E-04	4.34E-04	6.82E-04	1.39E-07	4.21E-07	2.44E-07	2.62E-07	2.38E-07	1.09E-07	1.71E-07	0.00E+00	0.00E+00	4.48E-08	8.91E-09	5.65E-08	8.72E-09	1.32E-08	1.32E-07
3633	482863.1	3850877	3.17E-04	3.41E-04	5.35E-04	1.10E-07	3.31E-07	1.92E-07	2.07E-07	1.87E-07	8.54E-08	1.34E-07	0.00E+00	0.00E+00	3.53E-08	7.01E-09	4.45E-08	6.86E-09	1.04E-08	1.04E-07
3634	483363.1	3850877	2.45E-04	2.64E-04	4.16E-04	8.49E-08	2.56E-07	1.48E-07	1.60E-07	1.45E-07	6.61E-08	1.04E-07	0.00E+00	0.00E+00	2.73E-08	5.43E-09	3.44E-08	5.31E-09	8.06E-09	8.05E-08
3635	483863.1	3850877	2.37E-04	2.55E-04	4.01E-04	8.19E-08	2.47E-07	1.43E-07	1.54E-07	1.40E-07	6.39E-08	1.00E-07	0.00E+00	0.00E+00	2.63E-08	5.24E-09	3.32E-08	5.13E-09	7.78E-09	7.77E-08
3636	484363.1	3850877	2.66E-04	2.86E-04	4.49E-04	9.19E-08	2.78E-07	1.61E-07	1.73E-07	1.57E-07	7.16E-08	1.12E-07	0.00E+00	0.00E+00	2.96E-08	5.88E-09	3.73E-08	5.75E-09	8.70E-09	8.72E-08
3637	484863.1	3850877	2.59E-04	2.79E-04	4.37E-04	8.95E-08	2.70E-07	1.56E-07	1.69E-07	1.53E-07	6.97E-08	1.09E-07	0.00E+00	0.00E+00	2.88E-08	5.72E-09	3.63E-08	5.60E-09	8.46E-09	8.49E-08
3638	485363.1	3850877	2.71E-04	2.92E-04	4.59E-04	9.40E-08	2.84E-07	1.64E-07	1.77E-07	1.60E-07	7.32E-08	1.15E-07	0.00E+00	0.00E+00	3.02E-08	6.01E-09	3.81E-08	5.88E-09	8.89E-09	8.91E-08
3639	485863.1	3850877	2.39E-04	2.58E-04	4.06E-04	8.28E-08	2.50E-07	1.45E-07	1.56E-07	1.42E-07	6.46E-08	1.02E-07	0.00E+00	0.00E+00	2.66E-08	5.30E-09	3.36E-08	5.19E-09	7.87E-09	7.86E-08
3640	486363.1	3850877	2.52E-04	2.72E-04	4.28E-04	8.72E-08	2.63E-07	1.52E-07	1.64E-07	1.49E-07	6.80E-08	1.07E-07	0.00E+00	0.00E+00	2.80E-08	5.58E-09	3.54E-08	5.46E-09	8.30E-09	8.28E-08
3641	486863.1	3850877	2.53E-04	2.73E-04	4.30E-04	8.75E-08	2.64E-07	1.53E-07	1.65E-07	1.50E-07	6.82E-08	1.08E-07	0.00E+00	0.00E+00	2.81E-08	5.60E-09	3.55E-08	5.48E-09	8.33E-09	8.31E-08

3642	487363.1	3850877	2.47E-04	2.67E-04	4.21E-04	8.56E-08	2.59E-07	1.50E-07	1.61E-07	1.46E-07	6.68E-08	1.05E-07	0.00E+00	0.00E+00	2.75E-08	5.48E-09	3.48E-08	5.36E-09	8.16E-09	8.13E-08
3643	487863.1	3850877	2.57E-04	2.77E-04	4.38E-04	8.88E-08	2.68E-07	1.55E-07	1.68E-07	1.52E-07	6.93E-08	1.10E-07	0.00E+00	0.00E+00	2.86E-08	5.69E-09	3.61E-08	5.56E-09	8.49E-09	8.44E-08
3644	488363.1	3850877	2.70E-04	2.92E-04	4.62E-04	9.35E-08	2.82E-07	1.63E-07	1.76E-07	1.60E-07	7.30E-08	1.16E-07	0.00E+00	0.00E+00	3.01E-08	5.99E-09	3.80E-08	5.86E-09	8.96E-09	8.89E-08
3645	488863.1	3850877	2.82E-04	3.05E-04	4.85E-04	9.77E-08	2.95E-07	1.71E-07	1.84E-07	1.67E-07	7.63E-08	1.21E-07	0.00E+00	0.00E+00	3.14E-08	6.26E-09	3.97E-08	6.13E-09	9.40E-09	9.29E-08
3646	489363.1	3850877	2.98E-04	3.21E-04	5.12E-04	1.03E-07	3.11E-07	1.80E-07	1.94E-07	1.76E-07	8.04E-08	1.28E-07	0.00E+00	0.00E+00	3.31E-08	6.60E-09	4.19E-08	6.46E-09	9.93E-09	9.80E-08
3647	489863.1	3850877	3.09E-04	3.34E-04	5.32E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.35E-08	1.33E-07	0.00E+00	0.00E+00	3.44E-08	6.85E-09	4.35E-08	6.70E-09	1.03E-08	1.02E-07
3648	490363.1	3850877	3.24E-04	3.50E-04	5.59E-04	1.12E-07	3.38E-07	1.96E-07	2.12E-07	1.92E-07	8.75E-08	1.40E-07	0.00E+00	0.00E+00	3.60E-08	7.18E-09	4.56E-08	7.03E-09	1.08E-08	1.07E-07
3649	490863.1	3850877	3.35E-04	3.62E-04	5.78E-04	1.16E-07	3.50E-07	2.03E-07	2.19E-07	1.98E-07	9.05E-08	1.45E-07	0.00E+00	0.00E+00	3.73E-08	7.43E-09	4.71E-08	7.27E-09	1.12E-08	1.10E-07
3650	491363.1	3850877	3.38E-04	3.65E-04	5.84E-04	1.17E-07	3.53E-07	2.05E-07	2.21E-07	2.00E-07	9.14E-08	1.46E-07	0.00E+00	0.00E+00	3.76E-08	7.50E-09	4.76E-08	7.34E-09	1.13E-08	1.11E-07
3651	491863.1	3850877	3.38E-04	3.65E-04	5.84E-04	1.17E-07	3.53E-07	2.04E-07	2.21E-07	2.00E-07	9.13E-08	1.46E-07	0.00E+00	0.00E+00	3.76E-08	7.49E-09	4.75E-08	7.33E-09	1.13E-08	1.11E-07
3652	492363.1	3850877	3.36E-04	3.63E-04	5.81E-04	1.16E-07	3.51E-07	2.03E-07	2.20E-07	1.99E-07	9.08E-08	1.45E-07	0.00E+00	0.00E+00	3.74E-08	7.46E-09	4.73E-08	7.30E-09	1.13E-08	1.11E-07
3653	492863.1	3850877	3.39E-04	3.66E-04	5.85E-04	1.17E-07	3.54E-07	2.05E-07	2.21E-07	2.01E-07	9.16E-08	1.47E-07	0.00E+00	0.00E+00	3.77E-08	7.51E-09	4.77E-08	7.35E-09	1.13E-08	1.12E-07
3654	493363.1	3850877	3.47E-04	3.75E-04	6.01E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.06E-07	9.39E-08	1.50E-07	0.00E+00	0.00E+00	3.87E-08	7.71E-09	4.89E-08	7.54E-09	1.16E-08	1.14E-07
3655	493863.1	3850877	3.83E-04	4.14E-04	6.62E-04	1.33E-07	4.00E-07	2.32E-07	2.50E-07	2.27E-07	1.04E-07	1.66E-07	0.00E+00	0.00E+00	4.26E-08	8.50E-09	5.39E-08	8.31E-09	1.28E-08	1.26E-07
3656	494363.1	3850877	4.03E-04	4.35E-04	6.95E-04	1.39E-07	4.21E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.74E-07	0.00E+00	0.00E+00	4.48E-08	8.93E-09	5.67E-08	8.74E-09	1.35E-08	1.33E-07
3657	494863.1	3850877	4.43E-04	4.79E-04	7.65E-04	1.53E-07	4.63E-07	2.68E-07	2.90E-07	2.63E-07	1.20E-07	1.92E-07	0.00E+00	0.00E+00	4.93E-08	9.83E-09	6.24E-08	9.62E-09	1.48E-08	1.46E-07
3658	495363.1	3850877	4.88E-04	5.27E-04	8.43E-04	1.69E-07	5.10E-07	2.95E-07	3.19E-07	2.89E-07	1.32E-07	2.11E-07	0.00E+00	0.00E+00	5.44E-08	1.08E-08	6.87E-08	1.06E-08	1.63E-08	1.61E-07
3659	495863.1	3850877	5.01E-04	5.42E-04	8.65E-04	1.74E-07	5.24E-07	3.03E-07	3.28E-07	2.97E-07	1.36E-07	2.17E-07	0.00E+00	0.00E+00	5.58E-08	1.11E-08	7.06E-08	1.09E-08	1.68E-08	1.65E-07
3660	496363.1	3850877	5.29E-04	5.71E-04	9.12E-04	1.83E-07	5.53E-07	3.20E-07	3.46E-07	3.13E-07	1.43E-07	2.28E-07	0.00E+00	0.00E+00	5.88E-08	1.17E-08	7.44E-08	1.15E-08	1.77E-08	1.74E-07
3661	496863.1	3850877	5.70E-04	6.16E-04	9.84E-04	1.97E-07	5.96E-07	3.45E-07	3.73E-07	3.38E-07	1.54E-07	2.46E-07	0.00E+00	0.00E+00	6.35E-08	1.27E-08	8.03E-08	1.24E-08	1.91E-08	1.88E-07
3662	497363.1	3850877	5.77E-04	6.24E-04	9.96E-04	2.00E-07	6.04E-07	3.49E-07	3.77E-07	3.42E-07	1.56E-07	2.49E-07	0.00E+00	0.00E+00	6.43E-08	1.28E-08	8.13E-08	1.25E-08	1.93E-08	1.90E-07
3663	497863.1	3850877	5.72E-04	6.18E-04	9.88E-04	1.98E-07	5.98E-07	3.46E-07	3.74E-07	3.39E-07	1.55E-07	2.47E-07	0.00E+00	0.00E+00	6.37E-08	1.27E-08	8.06E-08	1.24E-08	1.91E-08	1.89E-07
3664	498363.1	3850877	5.67E-04	6.12E-04	9.78E-04	1.96E-07	5.92E-07	3.43E-07	3.70E-07	3.36E-07	1.53E-07	2.45E-07	0.00E+00	0.00E+00	6.31E-08	1.26E-08	7.98E-08	1.23E-08	1.89E-08	1.87E-07
3665	471363.1	3851377	2.57E-04	2.77E-04	4.41E-04	8.90E-08	2.69E-07	1.55E-07	1.68E-07	1.52E-07	6.94E-08	1.10E-07	0.00E+00	0.00E+00	2.86E-08	5.70E-09	3.62E-08	5.58E-09	8.54E-09	8.46E-08
3666	471863.1	3851377	3.13E-04	3.38E-04	5.37E-04	1.08E-07	3.27E-07	1.90E-07	2.05E-07	1.85E-07	8.46E-08	1.34E-07	0.00E+00	0.00E+00	3.49E-08	6.94E-09	4.41E-08	6.79E-09	1.04E-08	1.03E-07
3667	472363.1	3851377	3.20E-04	3.45E-04	5.48E-04	1.11E-07	3.34E-07	1.94E-07	2.09E-07	1.89E-07	8.64E-08	1.37E-07	0.00E+00	0.00E+00	3.56E-08	7.09E-09	4.50E-08	6.94E-09	1.06E-08	1.05E-07
3668	472863.1	3851377	3.29E-04	3.55E-04	5.63E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.88E-08	1.41E-07	0.00E+00	0.00E+00	3.66E-08	7.29E-09	4.62E-08	7.13E-09	1.09E-08	1.08E-07
3669	473363.1	3851377	3.03E-04	3.27E-04	5.19E-04	1.05E-07	3.17E-07	1.83E-07	1.98E-07	1.79E-07	8.19E-08	1.30E-07	0.00E+00	0.00E+00	3.37E-08	6.72E-09	4.26E-08	6.58E-09	1.01E-08	9.97E-08
3670	473863.1	3851377	3.22E-04	3.47E-04	5.51E-04	1.11E-07	3.36E-07	1.95E-07	2.10E-07	1.90E-07	8.69E-08	1.38E-07	0.00E+00	0.00E+00	3.58E-08	7.13E-09	4.52E-08	6.98E-09	1.07E-08	1.06E-07
3671	474363.1	3851377	3.86E-04	4.16E-04	6.60E-04	1.33E-07	4.03E-07	2.33E-07	2.52E-07	2.28E-07	1.04E-07	1.65E-07	0.00E+00	0.00E+00	4.29E-08	8.55E-09	5.42E-08	8.36E-09	1.28E-08	1.27E-07
3672	474863.1	3851377	4.47E-04	4.82E-04	7.64E-04	1.55E-07	4.67E-07	2.70E-07	2.92E-07	2.65E-07	1.21E-07	1.91E-07	0.00E+00	0.00E+00	4.98E-08	9.91E-09	6.29E-08	9.69E-09	1.48E-08	1.47E-07
3673	475363.1	3851377	5.04E-04	5.43E-04	8.59E-04	1.74E-07	5.26E-07	3.05E-07	3.29E-07	2.98E-07	1.36E-07	2.15E-07	0.00E+00	0.00E+00	5.61E-08	1.12E-08	7.08E-08	1.09E-08	1.66E-08	1.66E-07
3674	475863.1	3851377	5.52E-04	5.95E-04	9.40E-04	1.91E-07	5.77E-07	3.34E-07	3.60E-07	3.26E-07	1.49E-07	2.35E-07	0.00E+00	0.00E+00	6.14E-08	1.22E-08	7.76E-08	1.20E-08	1.82E-08	1.81E-07
3675	476363.1	3851377	6.02E-04	6.49E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.62E-07	2.57E-07	0.00E+00	0.00E+00	6.70E-08	1.33E-08	8.46E-08	1.30E-08	1.99E-08	1.98E-07
3676	476863.1	3851377	6.41E-04	6.91E-04	1.09E-03	2.22E-07	6.70E-07	3.88E-07	4.18E-07	3.79E-07	1.73E-07	2.74E-07	0.00E+00	0.00E+00	7.13E-08	1.42E-08	9.01E-08	1.39E-08	2.12E-08	2.11E-07
3677	477363.1	3851377	6.92E-04	7.47E-04	1.18E-03	2.40E-07	7.24E-07	4.19E-07	4.52E-07	4.10E-07	1.87E-07	2.96E-07	0.00E+00	0.00E+00	7.71E-08	1.53E-08	9.74E-08	1.50E-08	2.29E-08	2.28E-07
3678	477863.1	3851377	7.16E-04	7.73E-04	1.22E-03	2.48E-07	7.49E-07	4.33E-07	4.68E-07	4.24E-07	1.93E-07	3.05E-07	0.00E+00	0.00E+00	7.97E-08	1.59E-08	1.01E-07	1.55E-08	2.36E-08	2.35E-07
3679	478363.1	3851377	7.26E-04	7.83E-04	1.23E-03	2.51E-07	7.59E-07	4.39E-07	4.74E-07	4.29E-07	1.96E-07	3.08E-07	0.00E+00	0.00E+00	8.08E-08	1.61E-08	1.02E-07	1.57E-08	2.39E-08	2.39E-07
3680	478863.1	3851377	7.25E-04	7.81E-04	1.22E-03	2.51E-07	7.57E-07	4.38E-07	4.72E-07	4.28E-07	1.95E-07	3.06E-07	0.00E+00	0.00E+00	8.07E-08	1.60E-08	1.02E-07	1.57E-08	2.37E-08	2.38E-07
3681	479363.1	3851377	7.40E-04	7.97E-04	1.24E-03	2.56E-07	7.73E-07	4.48E-07	4.82E-07	4.37E-07	1.99E-07	3.12E-07	0.00E+00	0.00E+00	8.24E-08	1.64E-08	1.04E-07	1.60E-08	2.41E-08	2.43E-07
3682	479863.1	3851377	9.20E-04	9.91E-04	1.56E-03	3.18E-07	9.62E-07	5.57E-07	6.00E-07	5.44E-07	2.48E-07	3.89E-07	0.00E+00	0.00E+00	1.02E-07	2.04E-08	1.29E-07	1.99E-08	3.01E-08	3.02E-07
3683	480363.1	3851377	1.11E-03	1.20E-03	1.89E-03	3.85E-07	1.16E-06	6.73E-07	7.26E-07	6.58E-07	3.00E-07	4.74E-07	0.00E+00	0.00E+00	1.24E-07	2.46E-08	1.56E-07	2.41E-08	3.67E-08	3.66E-07
3684	480863.1	3851377	1.09E-03	1.18E-03	1.85E-03	3.78E-07	1.14E-06	6.61E-07	7.12E-07	6.46E-07	2.95E-07	4.63E-07	0.00E+00	0.00E+00	1.22E-07	2.42E-08	1.53E-07	2.37E-08	3.58E-08	3.59E-07
3685	481363.1	3851377	9.90E-04	1.07E-03	1.68E-03	3.43E-07	1.03E-06	5.99E-07	6.46E-07	5.85E-07	2.67E-07	4.19E-07	0.00E+00	0.00E+00	1.10E-07	2.19E-08	1.39E-07	2.14E-08	3.25E-08	3.25E-07
3686	481863.1	3851377	8.16E-04	8.79E-04	1.38E-03	2.82E-07	8.53E-07	4.94E-07	5.32E-07	4.82E-07	2.20E-07	3.45E-07	0.00E+00	0.00E+00	9.08E-08	1.81E-08	1.15E-07	1.77E-08	2.67E-08	2.68E-07
3687	482363.1	3851377	6.90E-04	7.44E-04	1.17E-03	2.39E-07	7.21E-07	4.18E-07	4.50E-07	4.08E-07	1.86E-07	2.92E-07	0.00E+00	0.00E+00	7.68E-08	1.53E-08	9.69E-08	1.49E-08	2.26E-08	2.27E-07
3688	482863.1	3851377	4.95E-04	5.34E-04	8.37E-04	1.71E-07	5.18E-07	3.00E-07	3.23E-07	2.93E-07	1.34E-07	2.09E-07	0.00E+00	0.00E+00	5.51E-08	1.10E-08	6.96E-08	1.07E-08	1.62E-08	1.63E-07
3689	483363.1	3851377	3.54E-04	3.82E-04	5.99E-04	1.23E-07	3.70E-07	2.14E-07	2.31E-07	2.09E-07	9.56E-08	1.50E-07	0.00E+00	0.00E+00	3.94E-08	7.84E-09	4.98E-08	7.67E-09	1.16E-08	1.16E-07
3690	483863.1	3851377	3.07E-04	3.31E-04	5.21E-04	1.06E-07	3.21E-07	1.86E-07	2.00E-07	1.82E-07	8.29E-08	1.30E-07	0.00E+00	0.00E+00	3.42E-08	6.81E-09	4.32E-08	6.66E-09	1.01E-08	1.01E-07
3691	484363.1	3851377	3.71E-04	3.99E-04	6.25E-04	1.28E-07	3.87E-07	2.24E-07	2.42E-07	2.19E-07	9.99E-08	1.56E-07	0.00E+00	0.00E+00	4.12E-08	8.20E-09	5.20E-08	8.02E-09	1.21E-08	1.22E-07
3692	484863.1	3851377	2.80E-04	3.02E-04	4.74E-04	9.70E-08	2.93E-07	1.69E-07	1.83E-07	1.66E-07	7.56E-08	1.19E-07	0.00E+00	0.00E+00	3.12E-08	6.20E-09	3.93E-08	6.07E-09	9.18E-09	9.20E-08
3693	485363.1	3851377	3.52E-04	3.79E-04	5.94E-04	1.22E-07	3.67E-07	2.13E-07	2.29E-07	2.08E-07	9.48E-08	1.49E-07	0.00E+00	0.00E+00	3.91E-08	7.78E-09	4.94E-08	7.61E-09	1.15E-08	1.15E-07
3694	485863.1	3851377	3.09E-04	3.33E-04	5.24E-04	1.07E-07	3.23E-07	1.87E-07	2.01E-07	1.82E-07	8.33E-08	1.31E-07	0.00E+00	0.00E+00	3.43E-08	6.83E-09	4.34E-08	6.69E-09	1.02E-08	1.01E-07
3695	486363.1	3851377	3.40E-04	3.66E-04	5.76E-04	1.18E-07	3.55E-07	2.06E-07	2.22E-07	2.01E-07	9.17E-08	1.44E-07	0.00E+00	0.00E+00	3.78E-08	7.53E-09	4.78E-08	7.37E-09	1.12E-08	1.12E-07
3696	486863.1	3851377	3.37E-04	3.64E-04	5.74E-04	1.17E-07	3.53E-07	2.04E-07	2.20E-07	2.00E-07	9.10E-08	1.44E-07	0.00E+00	0.00E+00	3.75E-08	7.47E-09	4.74E-08	7.31E-09	1.11E-08	1.11E-07
3697	487363.1	3851377	3.09E-04	3.33E-04	5.27E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.34E-08	1.32E-07	0.00E+00	0.00E+00	3.44E-08	6.84E-09	4.34E-08	6.70E-09	1.02E-08	1.02E-07
3698	487863.1	3851377	3.51E-04	3.79E-04	6.01E-04	1.21E-07	3.67E-07	2.12E-07	2.29E-07	2.08E-07	9.47E-08	1.50E-07	0.00E+00	0.00E+00	3.90E-08	7.78E-09	4.93E-08	7.61E-09	1.16E-08	1.15E-07

3699	488363.1	3851377	3.77E-04	4.07E-04	6.46E-04	1.30E-07	3.94E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.62E-07	0.00E+00	0.00E+00	4.19E-08	8.35E-09	5.30E-08	8.17E-09	1.25E-08	1.24E-07
3700	488863.1	3851377	3.96E-04	4.27E-04	6.80E-04	1.37E-07	4.13E-07	2.39E-07	2.58E-07	2.34E-07	1.07E-07	1.70E-07	0.00E+00	0.00E+00	4.40E-08	8.77E-09	5.57E-08	8.58E-09	1.32E-08	1.30E-07
3701	489363.1	3851377	4.16E-04	4.49E-04	7.17E-04	1.44E-07	4.35E-07	2.52E-07	2.72E-07	2.46E-07	1.12E-07	1.79E-07	0.00E+00	0.00E+00	4.63E-08	9.23E-09	5.86E-08	9.03E-09	1.39E-08	1.37E-07
3702	489863.1	3851377	4.33E-04	4.67E-04	7.47E-04	1.50E-07	4.52E-07	2.62E-07	2.83E-07	2.56E-07	1.17E-07	1.87E-07	0.00E+00	0.00E+00	4.82E-08	9.60E-09	6.09E-08	9.39E-09	1.45E-08	1.43E-07
3703	490363.1	3851377	4.50E-04	4.86E-04	7.76E-04	1.56E-07	4.70E-07	2.72E-07	2.94E-07	2.66E-07	1.22E-07	1.94E-07	0.00E+00	0.00E+00	5.00E-08	9.97E-09	6.33E-08	9.76E-09	1.50E-08	1.48E-07
3704	490863.1	3851377	4.61E-04	4.98E-04	7.96E-04	1.60E-07	4.82E-07	2.79E-07	3.02E-07	2.73E-07	1.25E-07	1.99E-07	0.00E+00	0.00E+00	5.14E-08	1.02E-08	6.50E-08	1.00E-08	1.54E-08	1.52E-07
3705	491363.1	3851377	4.60E-04	4.97E-04	7.95E-04	1.59E-07	4.81E-07	2.79E-07	3.01E-07	2.73E-07	1.24E-07	1.99E-07	0.00E+00	0.00E+00	5.12E-08	1.02E-08	6.48E-08	1.00E-08	1.54E-08	1.52E-07
3706	491863.1	3851377	4.62E-04	4.99E-04	7.98E-04	1.60E-07	4.83E-07	2.79E-07	3.02E-07	2.74E-07	1.25E-07	2.00E-07	0.00E+00	0.00E+00	5.14E-08	1.02E-08	6.50E-08	1.00E-08	1.55E-08	1.52E-07
3707	492363.1	3851377	4.68E-04	5.05E-04	8.08E-04	1.62E-07	4.89E-07	2.83E-07	3.06E-07	2.77E-07	1.26E-07	2.02E-07	0.00E+00	0.00E+00	5.21E-08	1.04E-08	6.58E-08	1.02E-08	1.57E-08	1.54E-07
3708	492863.1	3851377	4.63E-04	5.00E-04	8.00E-04	1.60E-07	4.84E-07	2.80E-07	3.03E-07	2.74E-07	1.25E-07	2.00E-07	0.00E+00	0.00E+00	5.15E-08	1.03E-08	6.52E-08	1.00E-08	1.55E-08	1.53E-07
3709	493363.1	3851377	4.28E-04	4.63E-04	7.40E-04	1.48E-07	4.48E-07	2.59E-07	2.80E-07	2.54E-07	1.16E-07	1.85E-07	0.00E+00	0.00E+00	4.77E-08	9.50E-09	6.03E-08	9.30E-09	1.43E-08	1.41E-07
3710	493863.1	3851377	4.67E-04	5.05E-04	8.07E-04	1.62E-07	4.89E-07	2.83E-07	3.06E-07	2.77E-07	1.26E-07	2.02E-07	0.00E+00	0.00E+00	5.20E-08	1.04E-08	6.58E-08	1.01E-08	1.56E-08	1.54E-07
3711	494363.1	3851377	5.47E-04	5.91E-04	9.44E-04	1.89E-07	5.72E-07	3.31E-07	3.58E-07	3.24E-07	1.48E-07	2.36E-07	0.00E+00	0.00E+00	6.09E-08	1.21E-08	7.70E-08	1.19E-08	1.83E-08	1.80E-07
3712	494863.1	3851377	5.70E-04	6.15E-04	9.83E-04	1.97E-07	5.95E-07	3.45E-07	3.72E-07	3.38E-07	1.54E-07	2.46E-07	0.00E+00	0.00E+00	6.34E-08	1.26E-08	8.02E-08	1.24E-08	1.91E-08	1.88E-07
3713	495363.1	3851377	6.51E-04	7.04E-04	1.12E-03	2.26E-07	6.81E-07	3.94E-07	4.26E-07	3.86E-07	1.76E-07	2.81E-07	0.00E+00	0.00E+00	7.25E-08	1.45E-08	9.17E-08	1.41E-08	2.18E-08	2.15E-07
3714	495863.1	3851377	6.84E-04	7.39E-04	1.18E-03	2.37E-07	7.15E-07	4.14E-07	4.47E-07	4.05E-07	1.85E-07	2.95E-07	0.00E+00	0.00E+00	7.62E-08	1.52E-08	9.63E-08	1.49E-08	2.29E-08	2.25E-07
3715	496363.1	3851377	7.02E-04	7.58E-04	1.21E-03	2.43E-07	7.33E-07	4.24E-07	4.59E-07	4.16E-07	1.90E-07	3.03E-07	0.00E+00	0.00E+00	7.81E-08	1.56E-08	9.88E-08	1.52E-08	2.34E-08	2.31E-07
3716	496863.1	3851377	7.07E-04	7.64E-04	1.22E-03	2.45E-07	7.39E-07	4.28E-07	4.62E-07	4.19E-07	1.91E-07	3.05E-07	0.00E+00	0.00E+00	7.87E-08	1.57E-08	9.95E-08	1.53E-08	2.36E-08	2.33E-07
3717	497363.1	3851377	7.09E-04	7.66E-04	1.22E-03	2.45E-07	7.41E-07	4.29E-07	4.63E-07	4.20E-07	1.92E-07	3.06E-07	0.00E+00	0.00E+00	7.89E-08	1.57E-08	9.98E-08	1.54E-08	2.37E-08	2.34E-07
3718	497863.1	3851377	6.98E-04	7.55E-04	1.20E-03	2.42E-07	7.30E-07	4.23E-07	4.57E-07	4.14E-07	1.89E-07	3.02E-07	0.00E+00	0.00E+00	7.77E-08	1.55E-08	9.83E-08	1.52E-08	2.34E-08	2.30E-07
3719	498363.1	3851377	6.65E-04	7.18E-04	1.15E-03	2.30E-07	6.95E-07	4.02E-07	4.35E-07	3.94E-07	1.80E-07	2.87E-07	0.00E+00	0.00E+00	7.40E-08	1.48E-08	9.36E-08	1.44E-08	2.22E-08	2.19E-07
3720	471363.1	3851877	2.90E-04	3.14E-04	4.99E-04	1.01E-07	3.04E-07	1.76E-07	1.90E-07	1.72E-07	7.85E-08	1.25E-07	0.00E+00	0.00E+00	3.23E-08	6.44E-09	4.09E-08	6.30E-09	9.67E-09	9.56E-08
3721	471863.1	3851877	2.82E-04	3.05E-04	4.85E-04	9.77E-08	2.95E-07	1.71E-07	1.84E-07	1.67E-07	7.63E-08	1.21E-07	0.00E+00	0.00E+00	3.14E-08	6.26E-09	3.97E-08	6.12E-09	9.39E-09	9.29E-08
3722	472363.1	3851877	3.17E-04	3.42E-04	5.44E-04	1.10E-07	3.31E-07	1.92E-07	2.07E-07	1.88E-07	8.56E-08	1.36E-07	0.00E+00	0.00E+00	3.53E-08	7.03E-09	4.46E-08	6.88E-09	1.05E-08	1.04E-07
3723	472863.1	3851877	3.48E-04	3.75E-04	5.97E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.06E-07	9.40E-08	1.49E-07	0.00E+00	0.00E+00	3.87E-08	7.71E-09	4.89E-08	7.54E-09	1.16E-08	1.14E-07
3724	473363.1	3851877	3.28E-04	3.54E-04	5.62E-04	1.13E-07	3.43E-07	1.98E-07	2.14E-07	1.94E-07	8.85E-08	1.41E-07	0.00E+00	0.00E+00	3.65E-08	7.26E-09	4.61E-08	7.11E-09	1.09E-08	1.08E-07
3725	473863.1	3851877	3.38E-04	3.65E-04	5.79E-04	1.17E-07	3.53E-07	2.04E-07	2.21E-07	2.00E-07	9.12E-08	1.45E-07	0.00E+00	0.00E+00	3.76E-08	7.49E-09	4.75E-08	7.33E-09	1.12E-08	1.11E-07
3726	474363.1	3851877	3.95E-04	4.26E-04	6.76E-04	1.37E-07	4.13E-07	2.39E-07	2.58E-07	2.34E-07	1.07E-07	1.69E-07	0.00E+00	0.00E+00	4.40E-08	8.76E-09	5.56E-08	8.57E-09	1.31E-08	1.30E-07
3727	474863.1	3851877	4.54E-04	4.90E-04	7.77E-04	1.57E-07	4.74E-07	2.74E-07	2.96E-07	2.69E-07	1.23E-07	1.94E-07	0.00E+00	0.00E+00	5.05E-08	1.01E-08	6.38E-08	9.84E-09	1.50E-08	1.49E-07
3728	475363.1	3851877	4.94E-04	5.33E-04	8.45E-04	1.71E-07	5.16E-07	2.99E-07	3.23E-07	2.92E-07	1.33E-07	2.12E-07	0.00E+00	0.00E+00	5.50E-08	1.09E-08	6.95E-08	1.07E-08	1.64E-08	1.62E-07
3729	475863.1	3851877	5.33E-04	5.76E-04	9.12E-04	1.85E-07	5.57E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.28E-07	0.00E+00	0.00E+00	5.94E-08	1.18E-08	7.50E-08	1.16E-08	1.77E-08	1.75E-07
3730	476363.1	3851877	5.51E-04	5.95E-04	9.43E-04	1.91E-07	5.76E-07	3.33E-07	3.60E-07	3.26E-07	1.49E-07	2.36E-07	0.00E+00	0.00E+00	6.13E-08	1.22E-08	7.75E-08	1.20E-08	1.83E-08	1.81E-07
3731	476863.1	3851877	6.23E-04	6.72E-04	1.07E-03	2.16E-07	6.51E-07	3.77E-07	4.07E-07	3.69E-07	1.68E-07	2.67E-07	0.00E+00	0.00E+00	6.94E-08	1.38E-08	8.76E-08	1.35E-08	2.06E-08	2.05E-07
3732	477363.1	3851877	6.99E-04	7.55E-04	1.19E-03	2.42E-07	7.31E-07	4.23E-07	4.57E-07	4.14E-07	1.89E-07	2.99E-07	0.00E+00	0.00E+00	7.78E-08	1.55E-08	9.83E-08	1.52E-08	2.32E-08	2.30E-07
3733	477863.1	3851877	7.65E-04	8.25E-04	1.31E-03	2.65E-07	7.99E-07	4.63E-07	4.99E-07	4.53E-07	2.06E-07	3.27E-07	0.00E+00	0.00E+00	8.51E-08	1.69E-08	1.08E-07	1.66E-08	2.53E-08	2.51E-07
3734	478363.1	3851877	7.92E-04	8.55E-04	1.36E-03	2.74E-07	8.28E-07	4.80E-07	5.17E-07	4.69E-07	2.14E-07	3.39E-07	0.00E+00	0.00E+00	8.82E-08	1.76E-08	1.11E-07	1.72E-08	2.63E-08	2.61E-07
3735	478863.1	3851877	8.45E-04	9.12E-04	1.44E-03	2.93E-07	8.84E-07	5.11E-07	5.52E-07	5.00E-07	2.28E-07	3.61E-07	0.00E+00	0.00E+00	9.41E-08	1.87E-08	1.19E-07	1.83E-08	2.80E-08	2.78E-07
3736	479363.1	3851877	8.85E-04	9.54E-04	1.50E-03	3.06E-07	9.25E-07	5.36E-07	5.77E-07	5.23E-07	2.39E-07	3.76E-07	0.00E+00	0.00E+00	9.85E-08	1.96E-08	1.24E-07	1.92E-08	2.91E-08	2.91E-07
3737	479863.1	3851877	9.31E-04	1.00E-03	1.57E-03	3.22E-07	9.73E-07	5.63E-07	6.07E-07	5.50E-07	2.51E-07	3.94E-07	0.00E+00	0.00E+00	1.04E-07	2.06E-08	1.31E-07	2.02E-08	3.05E-08	3.06E-07
3738	480363.1	3851877	1.12E-03	1.21E-03	1.90E-03	3.88E-07	1.17E-06	6.78E-07	7.31E-07	6.63E-07	3.02E-07	4.75E-07	0.00E+00	0.00E+00	1.25E-07	2.48E-08	1.57E-07	2.43E-08	3.68E-08	3.68E-07
3739	480863.1	3851877	1.35E-03	1.45E-03	2.29E-03	4.66E-07	1.41E-06	8.15E-07	8.79E-07	7.96E-07	3.63E-07	5.72E-07	0.00E+00	0.00E+00	1.50E-07	2.98E-08	1.89E-07	2.92E-08	4.43E-08	4.42E-07
3740	481363.1	3851877	1.34E-03	1.44E-03	2.26E-03	4.63E-07	1.40E-06	8.10E-07	8.72E-07	7.91E-07	3.61E-07	5.66E-07	0.00E+00	0.00E+00	1.49E-07	2.96E-08	1.88E-07	2.90E-08	4.38E-08	4.39E-07
3741	481863.1	3851877	1.18E-03	1.27E-03	1.99E-03	4.07E-07	1.23E-06	7.12E-07	7.67E-07	6.96E-07	3.17E-07	4.98E-07	0.00E+00	0.00E+00	1.31E-07	2.60E-08	1.65E-07	2.55E-08	3.85E-08	3.86E-07
3742	482363.1	3851877	8.34E-04	8.99E-04	1.41E-03	2.89E-07	8.72E-07	5.05E-07	5.44E-07	4.93E-07	2.25E-07	3.53E-07	0.00E+00	0.00E+00	9.28E-08	1.85E-08	1.17E-07	1.81E-08	2.73E-08	2.74E-07
3743	482863.1	3851877	5.48E-04	5.90E-04	9.27E-04	1.90E-07	5.72E-07	3.31E-07	3.57E-07	3.24E-07	1.48E-07	2.32E-07	0.00E+00	0.00E+00	6.09E-08	1.21E-08	7.69E-08	1.19E-08	1.80E-08	1.80E-07
3744	483363.1	3851877	5.48E-04	5.90E-04	9.22E-04	1.90E-07	5.73E-07	3.31E-07	3.57E-07	3.24E-07	1.48E-07	2.31E-07	0.00E+00	0.00E+00	6.10E-08	1.21E-08	7.69E-08	1.19E-08	1.79E-08	1.80E-07
3745	483863.1	3851877	4.77E-04	5.13E-04	8.03E-04	1.65E-07	4.98E-07	2.88E-07	3.11E-07	2.82E-07	1.28E-07	2.01E-07	0.00E+00	0.00E+00	5.31E-08	1.05E-08	6.69E-08	1.03E-08	1.56E-08	1.56E-07
3746	484363.1	3851877	5.13E-04	5.53E-04	8.65E-04	1.78E-07	5.36E-07	3.11E-07	3.35E-07	3.03E-07	1.38E-07	2.16E-07	0.00E+00	0.00E+00	5.71E-08	1.14E-08	7.21E-08	1.11E-08	1.68E-08	1.68E-07
3747	484863.1	3851877	4.59E-04	4.95E-04	7.75E-04	1.59E-07	4.80E-07	2.78E-07	2.99E-07	2.71E-07	1.24E-07	1.94E-07	0.00E+00	0.00E+00	5.11E-08	1.02E-08	6.45E-08	9.94E-09	1.50E-08	1.51E-07
3748	485363.1	3851877	4.75E-04	5.12E-04	8.03E-04	1.65E-07	4.97E-07	2.88E-07	3.10E-07	2.81E-07	1.28E-07	2.01E-07	0.00E+00	0.00E+00	5.29E-08	1.05E-08	6.68E-08	1.03E-08	1.56E-08	1.56E-07
3749	485863.1	3851877	4.91E-04	5.30E-04	8.31E-04	1.70E-07	5.14E-07	2.97E-07	3.20E-07	2.90E-07	1.33E-07	2.08E-07	0.00E+00	0.00E+00	5.47E-08	1.09E-08	6.90E-08	1.06E-08	1.61E-08	1.61E-07
3750	486363.1	3851877	4.54E-04	4.90E-04	7.72E-04	1.57E-07	4.75E-07	2.75E-07	2.96E-07	2.69E-07	1.23E-07	1.93E-07	0.00E+00	0.00E+00	5.06E-08	1.01E-08	6.38E-08	9.84E-09	1.50E-08	1.49E-07
3751	486863.1	3851877	4.71E-04	5.08E-04	8.03E-04	1.63E-07	4.92E-07	2.85E-07	3.07E-07	2.78E-07	1.27E-07	2.01E-07	0.00E+00	0.00E+00	5.24E-08	1.04E-08	6.62E-08	1.02E-08	1.56E-08	1.55E-07
3752	487363.1	3851877	4.88E-04	5.26E-04	8.35E-04	1.69E-07	5.10E-07	2.95E-07	3.19E-07	2.89E-07	1.32E-07	2.09E-07	0.00E+00	0.00E+00	5.43E-08	1.08E-08	6.86E-08	1.06E-08	1.62E-08	1.60E-07
3753	487863.1	3851877	4.64E-04	5.01E-04	7.99E-04	1.61E-07	4.85E-07	2.81E-07	3.03E-07	2.75E-07	1.25E-07	2.00E-07	0.00E+00	0.00E+00	5.17E-08	1.03E-08	6.53E-08	1.01E-08	1.55E-08	1.53E-07
3754	488363.1	3851877	4.97E-04	5.37E-04	8.56E-04	1.72E-07	5.19E-07	3.01E-07	3.25E-07	2.94E-07	1.34E-07	2.14E-07	0.00E+00	0.00E+00	5.53E-08	1.10E-08	6.99E-08	1.08E-08	1.66E-08	1.64E-07
3755	488863.1	3851877	5.04E-04	5.44E-04	8.70E-04	1.74E-07	5.27E-07	3.05E-07	3.29E-07	2.99E-07	1.36E-07	2.18E-07	0.00E+00	0.00E+00	5.61E-08	1.12E-08	7.10E-08	1.09E-08	1.69E-08	1.66E-07

3756	489363.1	3851877	5.15E-04	5.56E-04	8.89E-04	1.78E-07	5.38E-07	3.11E-07	3.37E-07	3.05E-07	1.39E-07	2.23E-07	0.00E+00	0.00E+00	5.73E-08	1.14E-08	7.25E-08	1.12E-08	1.72E-08	1.70E-07
3757	489863.1	3851877	5.33E-04	5.76E-04	9.22E-04	1.85E-07	5.57E-07	3.23E-07	3.49E-07	3.16E-07	1.44E-07	2.31E-07	0.00E+00	0.00E+00	5.94E-08	1.18E-08	7.51E-08	1.16E-08	1.79E-08	1.76E-07
3758	490363.1	3851877	5.63E-04	6.08E-04	9.72E-04	1.95E-07	5.88E-07	3.40E-07	3.68E-07	3.33E-07	1.52E-07	2.43E-07	0.00E+00	0.00E+00	6.26E-08	1.25E-08	7.92E-08	1.22E-08	1.88E-08	1.85E-07
3759	490863.1	3851877	5.94E-04	6.42E-04	1.03E-03	2.06E-07	6.21E-07	3.60E-07	3.89E-07	3.52E-07	1.61E-07	2.57E-07	0.00E+00	0.00E+00	6.62E-08	1.32E-08	8.37E-08	1.29E-08	1.99E-08	1.96E-07
3760	491363.1	3851877	6.28E-04	6.78E-04	1.08E-03	2.17E-07	6.56E-07	3.80E-07	4.10E-07	3.72E-07	1.70E-07	2.71E-07	0.00E+00	0.00E+00	6.99E-08	1.39E-08	8.84E-08	1.36E-08	2.10E-08	2.07E-07
3761	491863.1	3851877	6.51E-04	7.03E-04	1.12E-03	2.25E-07	6.80E-07	3.94E-07	4.25E-07	3.85E-07	1.76E-07	2.81E-07	0.00E+00	0.00E+00	7.24E-08	1.44E-08	9.16E-08	1.41E-08	2.18E-08	2.14E-07
3762	492363.1	3851877	6.40E-04	6.92E-04	1.10E-03	2.22E-07	6.69E-07	3.87E-07	4.18E-07	3.79E-07	1.73E-07	2.77E-07	0.00E+00	0.00E+00	7.13E-08	1.42E-08	9.01E-08	1.39E-08	2.14E-08	2.11E-07
3763	492863.1	3851877	5.70E-04	6.16E-04	9.84E-04	1.97E-07	5.95E-07	3.45E-07	3.72E-07	3.38E-07	1.54E-07	2.46E-07	0.00E+00	0.00E+00	6.34E-08	1.26E-08	8.02E-08	1.24E-08	1.91E-08	1.88E-07
3764	493363.1	3851877	6.69E-04	7.23E-04	1.16E-03	2.32E-07	7.00E-07	4.05E-07	4.38E-07	3.97E-07	1.81E-07	2.89E-07	0.00E+00	0.00E+00	7.45E-08	1.49E-08	9.43E-08	1.45E-08	2.24E-08	2.21E-07
3765	493863.1	3851877	7.79E-04	8.41E-04	1.34E-03	2.70E-07	8.14E-07	4.71E-07	5.09E-07	4.61E-07	2.11E-07	3.36E-07	0.00E+00	0.00E+00	8.67E-08	1.73E-08	1.10E-07	1.69E-08	2.60E-08	2.57E-07
3766	494363.1	3851877	7.60E-04	8.21E-04	1.31E-03	2.63E-07	7.95E-07	4.60E-07	4.97E-07	4.50E-07	2.06E-07	3.28E-07	0.00E+00	0.00E+00	8.46E-08	1.69E-08	1.07E-07	1.65E-08	2.54E-08	2.50E-07
3767	494863.1	3851877	8.32E-04	8.98E-04	1.43E-03	2.88E-07	8.69E-07	5.03E-07	5.44E-07	4.93E-07	2.25E-07	3.59E-07	0.00E+00	0.00E+00	9.26E-08	1.85E-08	1.17E-07	1.81E-08	2.78E-08	2.74E-07
3768	495363.1	3851877	8.78E-04	9.48E-04	1.51E-03	3.04E-07	9.18E-07	5.31E-07	5.74E-07	5.20E-07	2.37E-07	3.79E-07	0.00E+00	0.00E+00	9.77E-08	1.95E-08	1.24E-07	1.91E-08	2.93E-08	2.89E-07
3769	495863.1	3851877	9.05E-04	9.77E-04	1.56E-03	3.13E-07	9.45E-07	5.47E-07	5.91E-07	5.36E-07	2.45E-07	3.90E-07	0.00E+00	0.00E+00	1.01E-07	2.01E-08	1.27E-07	1.96E-08	3.02E-08	2.98E-07
3770	496363.1	3851877	8.93E-04	9.65E-04	1.54E-03	3.09E-07	9.34E-07	5.41E-07	5.84E-07	5.29E-07	2.42E-07	3.85E-07	0.00E+00	0.00E+00	9.94E-08	1.98E-08	1.26E-07	1.94E-08	2.98E-08	2.94E-07
3771	496863.1	3851877	8.75E-04	9.45E-04	1.51E-03	3.03E-07	9.15E-07	5.30E-07	5.72E-07	5.19E-07	2.37E-07	3.78E-07	0.00E+00	0.00E+00	9.74E-08	1.94E-08	1.23E-07	1.90E-08	2.93E-08	2.88E-07
3772	497363.1	3851877	8.51E-04	9.19E-04	1.47E-03	2.95E-07	8.89E-07	5.15E-07	5.56E-07	5.04E-07	2.30E-07	3.67E-07	0.00E+00	0.00E+00	9.47E-08	1.89E-08	1.20E-07	1.85E-08	2.84E-08	2.80E-07
3773	497863.1	3851877	7.99E-04	8.63E-04	1.38E-03	2.76E-07	8.35E-07	4.83E-07	5.22E-07	4.73E-07	2.16E-07	3.45E-07	0.00E+00	0.00E+00	8.89E-08	1.77E-08	1.12E-07	1.73E-08	2.67E-08	2.63E-07
3774	498363.1	3851877	7.52E-04	8.13E-04	1.30E-03	2.60E-07	7.86E-07	4.55E-07	4.92E-07	4.46E-07	2.03E-07	3.25E-07	0.00E+00	0.00E+00	8.37E-08	1.67E-08	1.06E-07	1.63E-08	2.52E-08	2.48E-07
3775	471363.1	3852377	2.67E-04	2.88E-04	4.58E-04	9.24E-08	2.79E-07	1.61E-07	1.74E-07	1.58E-07	7.21E-08	1.15E-07	0.00E+00	0.00E+00	2.97E-08	5.92E-09	3.75E-08	5.79E-09	8.88E-09	8.78E-08
3776	471863.1	3852377	3.05E-04	3.29E-04	5.23E-04	1.05E-07	3.18E-07	1.84E-07	1.99E-07	1.80E-07	8.23E-08	1.31E-07	0.00E+00	0.00E+00	3.39E-08	6.76E-09	4.29E-08	6.61E-09	1.01E-08	1.00E-07
3777	472363.1	3852377	3.33E-04	3.59E-04	5.72E-04	1.15E-07	3.48E-07	2.01E-07	2.17E-07	1.97E-07	8.99E-08	1.43E-07	0.00E+00	0.00E+00	3.70E-08	7.38E-09	4.68E-08	7.22E-09	1.11E-08	1.10E-07
3778	472863.1	3852377	3.54E-04	3.83E-04	6.09E-04	1.23E-07	3.70E-07	2.14E-07	2.32E-07	2.10E-07	9.58E-08	1.52E-07	0.00E+00	0.00E+00	3.95E-08	7.86E-09	4.99E-08	7.69E-09	1.18E-08	1.17E-07
3779	473363.1	3852377	3.66E-04	3.96E-04	6.29E-04	1.27E-07	3.83E-07	2.22E-07	2.39E-07	2.17E-07	9.90E-08	1.57E-07	0.00E+00	0.00E+00	4.08E-08	8.12E-09	5.16E-08	7.95E-09	1.22E-08	1.21E-07
3780	473863.1	3852377	3.72E-04	4.01E-04	6.38E-04	1.29E-07	3.88E-07	2.25E-07	2.43E-07	2.20E-07	1.00E-07	1.60E-07	0.00E+00	0.00E+00	4.14E-08	8.24E-09	5.23E-08	8.06E-09	1.24E-08	1.22E-07
3781	474363.1	3852377	3.83E-04	4.13E-04	6.57E-04	1.33E-07	4.00E-07	2.32E-07	2.50E-07	2.27E-07	1.03E-07	1.64E-07	0.00E+00	0.00E+00	4.26E-08	8.49E-09	5.39E-08	8.31E-09	1.27E-08	1.26E-07
3782	474863.1	3852377	4.91E-04	5.30E-04	8.41E-04	1.70E-07	5.13E-07	2.97E-07	3.21E-07	2.91E-07	1.33E-07	2.10E-07	0.00E+00	0.00E+00	5.46E-08	1.09E-08	6.90E-08	1.06E-08	1.63E-08	1.61E-07
3783	475363.1	3852377	5.10E-04	5.51E-04	8.74E-04	1.77E-07	5.34E-07	3.09E-07	3.33E-07	3.02E-07	1.38E-07	2.19E-07	0.00E+00	0.00E+00	5.68E-08	1.13E-08	7.18E-08	1.11E-08	1.69E-08	1.68E-07
3784	475863.1	3852377	5.23E-04	5.65E-04	8.96E-04	1.81E-07	5.47E-07	3.17E-07	3.42E-07	3.10E-07	1.41E-07	2.24E-07	0.00E+00	0.00E+00	5.83E-08	1.16E-08	7.36E-08	1.14E-08	1.74E-08	1.72E-07
3785	476363.1	3852377	5.24E-04	5.65E-04	8.96E-04	1.81E-07	5.47E-07	3.17E-07	3.42E-07	3.10E-07	1.41E-07	2.24E-07	0.00E+00	0.00E+00	5.83E-08	1.16E-08	7.36E-08	1.14E-08	1.74E-08	1.72E-07
3786	476863.1	3852377	5.68E-04	6.13E-04	9.72E-04	1.97E-07	5.94E-07	3.44E-07	3.71E-07	3.36E-07	1.53E-07	2.43E-07	0.00E+00	0.00E+00	6.32E-08	1.26E-08	7.99E-08	1.23E-08	1.88E-08	1.87E-07
3787	477363.1	3852377	6.02E-04	6.49E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.63E-07	2.58E-07	0.00E+00	0.00E+00	6.70E-08	1.33E-08	8.46E-08	1.31E-08	2.00E-08	1.98E-07
3788	477863.1	3852377	5.46E-04	5.90E-04	9.36E-04	1.89E-07	5.71E-07	3.30E-07	3.57E-07	3.23E-07	1.48E-07	2.34E-07	0.00E+00	0.00E+00	6.08E-08	1.21E-08	7.68E-08	1.18E-08	1.81E-08	1.80E-07
3789	478363.1	3852377	5.18E-04	5.59E-04	8.87E-04	1.79E-07	5.42E-07	3.13E-07	3.38E-07	3.07E-07	1.40E-07	2.22E-07	0.00E+00	0.00E+00	5.77E-08	1.15E-08	7.29E-08	1.12E-08	1.72E-08	1.70E-07
3790	478863.1	3852377	6.95E-04	7.49E-04	1.19E-03	2.40E-07	7.26E-07	4.20E-07	4.53E-07	4.11E-07	1.88E-07	2.97E-07	0.00E+00	0.00E+00	7.73E-08	1.54E-08	9.77E-08	1.51E-08	2.30E-08	2.28E-07
3791	479363.1	3852377	8.24E-04	8.89E-04	1.41E-03	2.85E-07	8.62E-07	4.99E-07	5.38E-07	4.88E-07	2.23E-07	3.52E-07	0.00E+00	0.00E+00	9.18E-08	1.83E-08	1.16E-07	1.79E-08	2.73E-08	2.71E-07
3792	479863.1	3852377	1.04E-03	1.13E-03	1.78E-03	3.61E-07	1.09E-06	6.32E-07	6.82E-07	6.18E-07	2.82E-07	4.46E-07	0.00E+00	0.00E+00	1.16E-07	2.31E-08	1.47E-07	2.26E-08	3.45E-08	3.43E-07
3793	480363.1	3852377	1.18E-03	1.28E-03	2.00E-03	4.10E-07	1.24E-06	7.16E-07	7.72E-07	7.00E-07	3.19E-07	5.02E-07	0.00E+00	0.00E+00	1.32E-07	2.62E-08	1.66E-07	2.56E-08	3.88E-08	3.89E-07
3794	480863.1	3852377	1.42E-03	1.53E-03	2.40E-03	4.90E-07	1.48E-06	8.57E-07	9.23E-07	8.37E-07	3.82E-07	6.00E-07	0.00E+00	0.00E+00	1.58E-07	3.13E-08	1.99E-07	3.07E-08	4.64E-08	4.65E-07
3795	481363.1	3852377	1.71E-03	1.84E-03	2.90E-03	5.92E-07	1.79E-06	1.03E-06	1.12E-06	1.01E-06	4.61E-07	7.27E-07	0.00E+00	0.00E+00	1.90E-07	3.79E-08	2.40E-07	3.70E-08	5.63E-08	5.62E-07
3796	481863.1	3852377	1.69E-03	1.82E-03	2.85E-03	5.86E-07	1.77E-06	1.02E-06	1.10E-06	1.00E-06	4.56E-07	7.14E-07	0.00E+00	0.00E+00	1.88E-07	3.74E-08	2.38E-07	3.66E-08	5.53E-08	5.55E-07
3797	482363.1	3852377	1.48E-03	1.59E-03	2.48E-03	5.11E-07	1.54E-06	8.93E-07	9.62E-07	8.72E-07	3.98E-07	6.21E-07	0.00E+00	0.00E+00	1.64E-07	3.26E-08	2.07E-07	3.19E-08	4.81E-08	4.84E-07
3798	482863.1	3852377	1.22E-03	1.32E-03	2.07E-03	4.23E-07	1.28E-06	7.40E-07	7.97E-07	7.22E-07	3.30E-07	5.17E-07	0.00E+00	0.00E+00	1.36E-07	2.71E-08	1.72E-07	2.65E-08	4.01E-08	4.01E-07
3799	483363.1	3852377	8.11E-04	8.73E-04	1.36E-03	2.81E-07	8.48E-07	4.91E-07	5.28E-07	4.79E-07	2.19E-07	3.42E-07	0.00E+00	0.00E+00	9.03E-08	1.79E-08	1.14E-07	1.76E-08	2.64E-08	2.66E-07
3800	483863.1	3852377	6.35E-04	6.84E-04	1.07E-03	2.20E-07	6.64E-07	3.84E-07	4.14E-07	3.75E-07	1.71E-07	2.68E-07	0.00E+00	0.00E+00	7.07E-08	1.41E-08	8.92E-08	1.37E-08	2.07E-08	2.08E-07
3801	484363.1	3852377	7.05E-04	7.60E-04	1.19E-03	2.44E-07	7.37E-07	4.27E-07	4.60E-07	4.17E-07	1.90E-07	2.97E-07	0.00E+00	0.00E+00	7.85E-08	1.56E-08	9.90E-08	1.53E-08	2.30E-08	2.31E-07
3802	484863.1	3852377	7.52E-04	8.10E-04	1.27E-03	2.60E-07	7.86E-07	4.55E-07	4.90E-07	4.44E-07	2.03E-07	3.17E-07	0.00E+00	0.00E+00	8.37E-08	1.66E-08	1.06E-07	1.63E-08	2.45E-08	2.47E-07
3803	485363.1	3852377	8.03E-04	8.64E-04	1.35E-03	2.78E-07	8.39E-07	4.86E-07	5.23E-07	4.74E-07	2.16E-07	3.38E-07	0.00E+00	0.00E+00	8.93E-08	1.78E-08	1.13E-07	1.74E-08	2.62E-08	2.63E-07
3804	485863.1	3852377	7.51E-04	8.10E-04	1.27E-03	2.60E-07	7.85E-07	4.54E-07	4.90E-07	4.44E-07	2.03E-07	3.19E-07	0.00E+00	0.00E+00	8.36E-08	1.66E-08	1.06E-07	1.63E-08	2.47E-08	2.47E-07
3805	486363.1	3852377	6.67E-04	7.19E-04	1.14E-03	2.31E-07	6.97E-07	4.03E-07	4.35E-07	3.95E-07	1.80E-07	2.85E-07	0.00E+00	0.00E+00	7.42E-08	1.48E-08	9.38E-08	1.45E-08	2.21E-08	2.19E-07
3806	486863.1	3852377	6.75E-04	7.28E-04	1.16E-03	2.33E-07	7.05E-07	4.08E-07	4.41E-07	3.99E-07	1.82E-07	2.90E-07	0.00E+00	0.00E+00	7.51E-08	1.50E-08	9.49E-08	1.46E-08	2.24E-08	2.22E-07
3807	487363.1	3852377	6.66E-04	7.20E-04	1.15E-03	2.31E-07	6.97E-07	4.03E-07	4.36E-07	3.95E-07	1.80E-07	2.87E-07	0.00E+00	0.00E+00	7.42E-08	1.48E-08	9.38E-08	1.45E-08	2.22E-08	2.19E-07
3808	487863.1	3852377	6.65E-04	7.18E-04	1.15E-03	2.30E-07	6.95E-07	4.02E-07	4.35E-07	3.94E-07	1.80E-07	2.87E-07	0.00E+00	0.00E+00	7.40E-08	1.48E-08	9.36E-08	1.44E-08	2.22E-08	2.19E-07
3809	488363.1	3852377	6.62E-04	7.15E-04	1.14E-03	2.29E-07	6.92E-07	4.01E-07	4.33E-07	3.92E-07	1.79E-07	2.86E-07	0.00E+00	0.00E+00	7.37E-08	1.47E-08	9.32E-08	1.44E-08	2.22E-08	2.18E-07
3810	488863.1	3852377	6.52E-04	7.04E-04	1.13E-03	2.26E-07	6.81E-07	3.94E-07	4.26E-07	3.86E-07	1.76E-07	2.82E-07	0.00E+00	0.00E+00	7.26E-08	1.45E-08	9.18E-08	1.42E-08	2.19E-08	2.15E-07
3811	489363.1	3852377	6.54E-04	7.07E-04	1.13E-03	2.27E-07	6.84E-07	3.96E-07	4.28E-07	3.88E-07	1.77E-07	2.83E-07	0.00E+00	0.00E+00	7.28E-08	1.45E-08	9.22E-08	1.42E-08	2.19E-08	2.16E-07
3812	489863.1	3852377	6.30E-04	6.80E-04	1.09E-03	2.18E-07	6.58E-07	3.81E-07	4.12E-07	3.73E-07	1.70E-07	2.73E-07	0.00E+00	0.00E+00	7.01E-08	1.40E-08	8.87E-08	1.37E-08	2.11E-08	2.08E-07

3813	490363.1	3852377	7.04E-04	7.61E-04	1.22E-03	2.44E-07	7.36E-07	4.26E-07	4.61E-07	4.17E-07	1.90E-07	3.05E-07	0.00E+00	0.00E+00	7.84E-08	1.56E-08	9.92E-08	1.53E-08	2.36E-08	2.32E-07
3814	490863.1	3852377	7.65E-04	8.26E-04	1.32E-03	2.65E-07	8.00E-07	4.63E-07	5.00E-07	4.53E-07	2.07E-07	3.31E-07	0.00E+00	0.00E+00	8.52E-08	1.70E-08	1.08E-07	1.66E-08	2.56E-08	2.52E-07
3815	491363.1	3852377	8.93E-04	9.65E-04	1.54E-03	3.09E-07	9.33E-07	5.40E-07	5.84E-07	5.29E-07	2.41E-07	3.86E-07	0.00E+00	0.00E+00	9.94E-08	1.98E-08	1.26E-07	1.94E-08	2.99E-08	2.94E-07
3816	491863.1	3852377	9.23E-04	9.97E-04	1.59E-03	3.20E-07	9.65E-07	5.59E-07	6.03E-07	5.47E-07	2.50E-07	3.98E-07	0.00E+00	0.00E+00	1.03E-07	2.05E-08	1.30E-07	2.00E-08	3.09E-08	3.04E-07
3817	492363.1	3852377	9.36E-04	1.01E-03	1.61E-03	3.24E-07	9.78E-07	5.66E-07	6.12E-07	5.55E-07	2.53E-07	4.04E-07	0.00E+00	0.00E+00	1.04E-07	2.08E-08	1.32E-07	2.03E-08	3.13E-08	3.08E-07
3818	492863.1	3852377	9.92E-04	1.07E-03	1.71E-03	3.43E-07	1.04E-06	6.00E-07	6.48E-07	5.87E-07	2.68E-07	4.28E-07	0.00E+00	0.00E+00	1.10E-07	2.20E-08	1.40E-07	2.15E-08	3.31E-08	3.27E-07
3819	493363.1	3852377	1.09E-03	1.17E-03	1.87E-03	3.76E-07	1.14E-06	6.58E-07	7.11E-07	6.44E-07	2.94E-07	4.69E-07	0.00E+00	0.00E+00	1.21E-07	2.41E-08	1.53E-07	2.36E-08	3.63E-08	3.58E-07
3820	493863.1	3852377	1.08E-03	1.16E-03	1.86E-03	3.73E-07	1.13E-06	6.52E-07	7.04E-07	6.38E-07	2.91E-07	4.65E-07	0.00E+00	0.00E+00	1.20E-07	2.39E-08	1.52E-07	2.34E-08	3.60E-08	3.55E-07
3821	494363.1	3852377	1.07E-03	1.16E-03	1.85E-03	3.71E-07	1.12E-06	6.48E-07	7.00E-07	6.35E-07	2.90E-07	4.62E-07	0.00E+00	0.00E+00	1.19E-07	2.38E-08	1.51E-07	2.33E-08	3.58E-08	3.53E-07
3822	494863.1	3852377	1.12E-03	1.21E-03	1.93E-03	3.88E-07	1.17E-06	6.79E-07	7.33E-07	6.64E-07	3.03E-07	4.84E-07	0.00E+00	0.00E+00	1.25E-07	2.49E-08	1.58E-07	2.43E-08	3.74E-08	3.69E-07
3823	495363.1	3852377	1.17E-03	1.27E-03	2.02E-03	4.06E-07	1.22E-06	7.09E-07	7.66E-07	6.94E-07	3.17E-07	5.05E-07	0.00E+00	0.00E+00	1.30E-07	2.60E-08	1.65E-07	2.54E-08	3.91E-08	3.86E-07
3824	495863.1	3852377	1.13E-03	1.22E-03	1.95E-03	3.91E-07	1.18E-06	6.84E-07	7.38E-07	6.69E-07	3.05E-07	4.87E-07	0.00E+00	0.00E+00	1.26E-07	2.51E-08	1.59E-07	2.45E-08	3.77E-08	3.72E-07
3825	496363.1	3852377	1.08E-03	1.17E-03	1.87E-03	3.75E-07	1.13E-06	6.56E-07	7.09E-07	6.43E-07	2.93E-07	4.68E-07	0.00E+00	0.00E+00	1.21E-07	2.41E-08	1.53E-07	2.35E-08	3.62E-08	3.57E-07
3826	496863.1	3852377	1.05E-03	1.14E-03	1.82E-03	3.65E-07	1.10E-06	6.37E-07	6.88E-07	6.24E-07	2.85E-07	4.54E-07	0.00E+00	0.00E+00	1.17E-07	2.34E-08	1.48E-07	2.29E-08	3.52E-08	3.47E-07
3827	497363.1	3852377	9.63E-04	1.04E-03	1.66E-03	3.34E-07	1.01E-06	5.83E-07	6.30E-07	5.71E-07	2.60E-07	4.16E-07	0.00E+00	0.00E+00	1.07E-07	2.14E-08	1.36E-07	2.09E-08	3.22E-08	3.17E-07
3828	497863.1	3852377	8.78E-04	9.48E-04	1.51E-03	3.04E-07	9.17E-07	5.31E-07	5.74E-07	5.20E-07	2.37E-07	3.79E-07	0.00E+00	0.00E+00	9.77E-08	1.95E-08	1.24E-07	1.91E-08	2.93E-08	2.89E-07
3829	498363.1	3852377	8.00E-04	8.65E-04	1.38E-03	2.77E-07	8.37E-07	4.84E-07	5.23E-07	4.74E-07	2.16E-07	3.45E-07	0.00E+00	0.00E+00	8.91E-08	1.78E-08	1.13E-07	1.74E-08	2.67E-08	2.64E-07
3830	471363.1	3852877	2.79E-04	3.02E-04	4.80E-04	9.67E-08	2.92E-07	1.69E-07	1.82E-07	1.65E-07	7.55E-08	1.20E-07	0.00E+00	0.00E+00	3.11E-08	6.19E-09	3.93E-08	6.06E-09	9.30E-09	9.19E-08
3831	471863.1	3852877	3.10E-04	3.35E-04	5.33E-04	1.07E-07	3.24E-07	1.88E-07	2.03E-07	1.84E-07	8.39E-08	1.33E-07	0.00E+00	0.00E+00	3.46E-08	6.88E-09	4.37E-08	6.74E-09	1.03E-08	1.02E-07
3832	472363.1	3852877	3.45E-04	3.73E-04	5.93E-04	1.19E-07	3.61E-07	2.09E-07	2.25E-07	2.04E-07	9.32E-08	1.48E-07	0.00E+00	0.00E+00	3.84E-08	7.65E-09	4.85E-08	7.49E-09	1.15E-08	1.14E-07
3833	472863.1	3852877	3.74E-04	4.04E-04	6.42E-04	1.29E-07	3.91E-07	2.26E-07	2.44E-07	2.21E-07	1.01E-07	1.61E-07	0.00E+00	0.00E+00	4.16E-08	8.29E-09	5.26E-08	8.11E-09	1.24E-08	1.23E-07
3834	473363.1	3852877	4.05E-04	4.37E-04	6.95E-04	1.40E-07	4.23E-07	2.45E-07	2.65E-07	2.40E-07	1.09E-07	1.74E-07	0.00E+00	0.00E+00	4.51E-08	8.98E-09	5.70E-08	8.79E-09	1.35E-08	1.33E-07
3835	473863.1	3852877	4.45E-04	4.80E-04	7.63E-04	1.54E-07	4.65E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.91E-07	0.00E+00	0.00E+00	4.95E-08	9.86E-09	6.26E-08	9.65E-09	1.48E-08	1.46E-07
3836	474363.1	3852877	4.84E-04	5.23E-04	8.30E-04	1.68E-07	5.06E-07	2.93E-07	3.16E-07	2.87E-07	1.31E-07	2.08E-07	0.00E+00	0.00E+00	5.39E-08	1.07E-08	6.81E-08	1.05E-08	1.61E-08	1.59E-07
3837	474863.1	3852877	4.55E-04	4.91E-04	7.80E-04	1.57E-07	4.75E-07	2.75E-07	2.97E-07	2.69E-07	1.23E-07	1.95E-07	0.00E+00	0.00E+00	5.06E-08	1.01E-08	6.39E-08	9.86E-09	1.51E-08	1.50E-07
3838	475363.1	3852877	5.03E-04	5.42E-04	8.62E-04	1.74E-07	5.25E-07	3.04E-07	3.28E-07	2.98E-07	1.36E-07	2.16E-07	0.00E+00	0.00E+00	5.59E-08	1.11E-08	7.07E-08	1.09E-08	1.67E-08	1.65E-07
3839	475863.1	3852877	5.23E-04	5.64E-04	8.96E-04	1.81E-07	5.46E-07	3.16E-07	3.41E-07	3.10E-07	1.41E-07	2.24E-07	0.00E+00	0.00E+00	5.82E-08	1.16E-08	7.35E-08	1.13E-08	1.74E-08	1.72E-07
3840	476363.1	3852877	4.99E-04	5.39E-04	8.56E-04	1.73E-07	5.22E-07	3.02E-07	3.26E-07	2.96E-07	1.35E-07	2.14E-07	0.00E+00	0.00E+00	5.56E-08	1.11E-08	7.03E-08	1.08E-08	1.66E-08	1.64E-07
3841	476863.1	3852877	4.47E-04	4.82E-04	7.65E-04	1.55E-07	4.67E-07	2.70E-07	2.92E-07	2.64E-07	1.21E-07	1.92E-07	0.00E+00	0.00E+00	4.97E-08	9.90E-09	6.28E-08	9.69E-09	1.48E-08	1.47E-07
3842	477363.1	3852877	4.15E-04	4.48E-04	7.12E-04	1.44E-07	4.34E-07	2.51E-07	2.71E-07	2.46E-07	1.12E-07	1.78E-07	0.00E+00	0.00E+00	4.62E-08	9.21E-09	5.84E-08	9.01E-09	1.38E-08	1.37E-07
3843	477863.1	3852877	3.84E-04	4.14E-04	6.59E-04	1.33E-07	4.01E-07	2.32E-07	2.51E-07	2.27E-07	1.04E-07	1.65E-07	0.00E+00	0.00E+00	4.27E-08	8.51E-09	5.40E-08	8.33E-09	1.28E-08	1.26E-07
3844	478363.1	3852877	3.21E-04	3.47E-04	5.53E-04	1.11E-07	3.35E-07	1.94E-07	2.10E-07	1.90E-07	8.67E-08	1.38E-07	0.00E+00	0.00E+00	3.57E-08	7.12E-09	4.52E-08	6.96E-09	1.07E-08	1.06E-07
3845	478863.1	3852877	3.80E-04	4.10E-04	6.54E-04	1.31E-07	3.97E-07	2.30E-07	2.48E-07	2.25E-07	1.03E-07	1.64E-07	0.00E+00	0.00E+00	4.23E-08	8.43E-09	5.35E-08	8.25E-09	1.27E-08	1.25E-07
3846	479363.1	3852877	5.29E-04	5.71E-04	9.07E-04	1.83E-07	5.53E-07	3.20E-07	3.45E-07	3.13E-07	1.43E-07	2.27E-07	0.00E+00	0.00E+00	5.89E-08	1.17E-08	7.44E-08	1.15E-08	1.76E-08	1.74E-07
3847	479863.1	3852877	9.99E-04	1.08E-03	1.71E-03	3.46E-07	1.04E-06	6.04E-07	6.52E-07	5.91E-07	2.70E-07	4.27E-07	0.00E+00	0.00E+00	1.11E-07	2.21E-08	1.40E-07	2.17E-08	3.31E-08	3.29E-07
3848	480363.1	3852877	1.44E-03	1.56E-03	2.46E-03	4.99E-07	1.51E-06	8.72E-07	9.41E-07	8.53E-07	3.89E-07	6.16E-07	0.00E+00	0.00E+00	1.60E-07	3.19E-08	2.03E-07	3.13E-08	4.77E-08	4.74E-07
3849	480863.1	3852877	1.53E-03	1.65E-03	2.60E-03	5.29E-07	1.60E-06	9.24E-07	9.96E-07	9.03E-07	4.12E-07	6.50E-07	0.00E+00	0.00E+00	1.70E-07	3.38E-08	2.15E-07	3.31E-08	5.03E-08	5.02E-07
3850	481363.1	3852877	1.90E-03	2.05E-03	3.23E-03	6.59E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.14E-07	8.08E-07	0.00E+00	0.00E+00	2.12E-07	4.22E-08	2.68E-07	4.13E-08	6.25E-08	6.26E-07
3851	481863.1	3852877	2.32E-03	2.50E-03	3.94E-03	8.03E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.85E-07	0.00E+00	0.00E+00	2.58E-07	5.13E-08	3.26E-07	5.02E-08	7.63E-08	7.62E-07
3852	482363.1	3852877	2.25E-03	2.42E-03	3.77E-03	7.78E-07	2.35E-06	1.36E-06	1.46E-06	1.33E-06	6.06E-07	9.43E-07	0.00E+00	0.00E+00	2.50E-07	4.97E-08	3.15E-07	4.86E-08	7.31E-08	7.37E-07
3853	482863.1	3852877	2.04E-03	2.20E-03	3.43E-03	7.08E-07	2.14E-06	1.24E-06	1.33E-06	1.21E-06	5.51E-07	8.59E-07	0.00E+00	0.00E+00	2.28E-07	4.52E-08	2.87E-07	4.42E-08	6.65E-08	6.70E-07
3854	483363.1	3852877	1.57E-03	1.69E-03	2.63E-03	5.43E-07	1.64E-06	9.49E-07	1.02E-06	9.26E-07	4.22E-07	6.59E-07	0.00E+00	0.00E+00	1.75E-07	3.47E-08	2.20E-07	3.39E-08	5.10E-08	5.14E-07
3855	483863.1	3852877	1.01E-03	1.08E-03	1.68E-03	3.48E-07	1.05E-06	6.08E-07	6.54E-07	5.93E-07	2.71E-07	4.20E-07	0.00E+00	0.00E+00	1.12E-07	2.22E-08	1.41E-07	2.17E-08	3.25E-08	3.29E-07
3856	484363.1	3852877	1.20E-03	1.29E-03	2.00E-03	4.14E-07	1.25E-06	7.23E-07	7.78E-07	7.06E-07	3.22E-07	5.00E-07	0.00E+00	0.00E+00	1.33E-07	2.64E-08	1.68E-07	2.59E-08	3.87E-08	3.92E-07
3857	484863.1	3852877	1.30E-03	1.40E-03	2.19E-03	4.50E-07	1.36E-06	7.87E-07	8.47E-07	7.68E-07	3.50E-07	5.47E-07	0.00E+00	0.00E+00	1.45E-07	2.88E-08	1.83E-07	2.81E-08	4.24E-08	4.27E-07
3858	485363.1	3852877	9.84E-04	1.06E-03	1.67E-03	3.41E-07	1.03E-06	5.95E-07	6.42E-07	5.82E-07	2.66E-07	4.18E-07	0.00E+00	0.00E+00	1.10E-07	2.18E-08	1.38E-07	2.13E-08	3.24E-08	3.23E-07
3859	485863.1	3852877	9.48E-04	1.02E-03	1.62E-03	3.28E-07	9.90E-07	5.73E-07	6.19E-07	5.61E-07	2.56E-07	4.06E-07	0.00E+00	0.00E+00	1.05E-07	2.10E-08	1.33E-07	2.06E-08	3.14E-08	3.12E-07
3860	486363.1	3852877	9.09E-04	9.82E-04	1.57E-03	3.15E-07	9.50E-07	5.50E-07	5.94E-07	5.38E-07	2.46E-07	3.92E-07	0.00E+00	0.00E+00	1.01E-07	2.02E-08	1.28E-07	1.97E-08	3.04E-08	2.99E-07
3861	486863.1	3852877	9.42E-04	1.02E-03	1.63E-03	3.26E-07	9.84E-07	5.70E-07	6.16E-07	5.58E-07	2.55E-07	4.07E-07	0.00E+00	0.00E+00	1.05E-07	2.09E-08	1.33E-07	2.04E-08	3.15E-08	3.10E-07
3862	487363.1	3852877	9.27E-04	1.00E-03	1.61E-03	3.21E-07	9.69E-07	5.61E-07	6.06E-07	5.50E-07	2.51E-07	4.02E-07	0.00E+00	0.00E+00	1.03E-07	2.06E-08	1.31E-07	2.01E-08	3.11E-08	3.06E-07
3863	487863.1	3852877	9.24E-04	9.99E-04	1.60E-03	3.20E-07	9.66E-07	5.59E-07	6.04E-07	5.48E-07	2.50E-07	4.00E-07	0.00E+00	0.00E+00	1.03E-07	2.05E-08	1.30E-07	2.01E-08	3.10E-08	3.05E-07
3864	488363.1	3852877	7.61E-04	8.23E-04	1.32E-03	2.63E-07	7.96E-07	4.61E-07	4.98E-07	4.51E-07	2.06E-07	3.30E-07	0.00E+00	0.00E+00	8.47E-08	1.69E-08	1.07E-07	1.65E-08	2.56E-08	2.51E-07
3865	488863.1	3852877	8.39E-04	9.07E-04	1.45E-03	2.91E-07	8.77E-07	5.08E-07	5.49E-07	4.97E-07	2.27E-07	3.64E-07	0.00E+00	0.00E+00	9.34E-08	1.86E-08	1.18E-07	1.82E-08	2.82E-08	2.77E-07
3866	489363.1	3852877	8.78E-04	9.49E-04	1.52E-03	3.04E-07	9.18E-07	5.32E-07	5.74E-07	5.21E-07	2.38E-07	3.80E-07	0.00E+00	0.00E+00	9.78E-08	1.95E-08	1.24E-07	1.91E-08	2.95E-08	2.90E-07
3867	489863.1	3852877	9.10E-04	9.83E-04	1.57E-03	3.15E-07	9.51E-07	5.50E-07	5.95E-07	5.39E-07	2.46E-07	3.93E-07	0.00E+00	0.00E+00	1.01E-07	2.02E-08	1.28E-07	1.97E-08	3.05E-08	3.00E-07
3868	490363.1	3852877	1.12E-03	1.21E-03	1.93E-03	3.88E-07	1.17E-06	6.78E-07	7.33E-07	6.64E-07	3.03E-07	4.84E-07	0.00E+00	0.00E+00	1.25E-07	2.49E-08	1.58E-07	2.43E-08	3.75E-08	3.69E-07
3869	490863.1	3852877	1.22E-03	1.32E-03	2.11E-03	4.23E-07	1.28E-06	7.39E-07	7.99E-07	7.24E-07	3.30E-07	5.27E-07	0.00E+00	0.00E+00	1.36E-07	2.71E-08	1.72E-07	2.65E-08	4.08E-08	4.02E-07

3870	491363.1	3852877	1.30E-03	1.41E-03	2.24E-03	4.51E-07	1.36E-06	7.88E-07	8.51E-07	7.71E-07	3.52E-07	5.61E-07	0.00E+00	0.00E+00	1.45E-07	2.89E-08	1.83E-07	2.83E-08	4.35E-08	4.29E-07
3871	491863.1	3852877	1.33E-03	1.43E-03	2.29E-03	4.59E-07	1.39E-06	8.03E-07	8.67E-07	7.86E-07	3.59E-07	5.72E-07	0.00E+00	0.00E+00	1.48E-07	2.94E-08	1.87E-07	2.88E-08	4.43E-08	4.37E-07
3872	492363.1	3852877	1.36E-03	1.47E-03	2.35E-03	4.72E-07	1.42E-06	8.24E-07	8.90E-07	8.07E-07	3.68E-07	5.87E-07	0.00E+00	0.00E+00	1.52E-07	3.02E-08	1.92E-07	2.96E-08	4.55E-08	4.49E-07
3873	492863.1	3852877	1.45E-03	1.56E-03	2.49E-03	5.02E-07	1.51E-06	8.77E-07	9.47E-07	8.58E-07	3.92E-07	6.24E-07	0.00E+00	0.00E+00	1.61E-07	3.21E-08	2.04E-07	3.14E-08	4.83E-08	4.77E-07
3874	493363.1	3852877	1.50E-03	1.62E-03	2.59E-03	5.21E-07	1.57E-06	9.10E-07	9.83E-07	8.91E-07	4.07E-07	6.48E-07	0.00E+00	0.00E+00	1.67E-07	3.34E-08	2.12E-07	3.27E-08	5.02E-08	4.95E-07
3875	493863.1	3852877	1.49E-03	1.60E-03	2.56E-03	5.14E-07	1.55E-06	8.99E-07	9.71E-07	8.80E-07	4.02E-07	6.40E-07	0.00E+00	0.00E+00	1.65E-07	3.30E-08	2.09E-07	3.23E-08	4.96E-08	4.89E-07
3876	494363.1	3852877	1.47E-03	1.59E-03	2.54E-03	5.10E-07	1.54E-06	8.91E-07	9.62E-07	8.72E-07	3.98E-07	6.35E-07	0.00E+00	0.00E+00	1.64E-07	3.27E-08	2.07E-07	3.20E-08	4.91E-08	4.85E-07
3877	494863.1	3852877	1.48E-03	1.60E-03	2.55E-03	5.13E-07	1.55E-06	8.97E-07	9.69E-07	8.78E-07	4.01E-07	6.39E-07	0.00E+00	0.00E+00	1.65E-07	3.29E-08	2.09E-07	3.22E-08	4.95E-08	4.88E-07
3878	495363.1	3852877	1.41E-03	1.52E-03	2.42E-03	4.87E-07	1.47E-06	8.51E-07	9.19E-07	8.33E-07	3.80E-07	6.06E-07	0.00E+00	0.00E+00	1.57E-07	3.12E-08	1.98E-07	3.05E-08	4.69E-08	4.63E-07
3879	495863.1	3852877	1.33E-03	1.44E-03	2.29E-03	4.61E-07	1.39E-06	8.06E-07	8.70E-07	7.89E-07	3.60E-07	5.74E-07	0.00E+00	0.00E+00	1.48E-07	2.95E-08	1.87E-07	2.89E-08	4.45E-08	4.39E-07
3880	496363.1	3852877	1.31E-03	1.41E-03	2.25E-03	4.52E-07	1.36E-06	7.90E-07	8.53E-07	7.73E-07	3.53E-07	5.63E-07	0.00E+00	0.00E+00	1.45E-07	2.90E-08	1.84E-07	2.83E-08	4.36E-08	4.30E-07
3881	496863.1	3852877	1.25E-03	1.35E-03	2.15E-03	4.32E-07	1.30E-06	7.55E-07	8.15E-07	7.39E-07	3.37E-07	5.38E-07	0.00E+00	0.00E+00	1.39E-07	2.77E-08	1.76E-07	2.71E-08	4.17E-08	4.11E-07
3882	497363.1	3852877	1.08E-03	1.17E-03	1.87E-03	3.75E-07	1.13E-06	6.55E-07	7.08E-07	6.41E-07	2.93E-07	4.67E-07	0.00E+00	0.00E+00	1.21E-07	2.40E-08	1.52E-07	2.35E-08	3.62E-08	3.57E-07
3883	497863.1	3852877	8.50E-04	9.18E-04	1.47E-03	2.94E-07	8.88E-07	5.14E-07	5.56E-07	5.04E-07	2.30E-07	3.67E-07	0.00E+00	0.00E+00	9.46E-08	1.89E-08	1.20E-07	1.85E-08	2.84E-08	2.80E-07
3884	498363.1	3852877	8.03E-04	8.67E-04	1.38E-03	2.78E-07	8.39E-07	4.86E-07	5.25E-07	4.76E-07	2.17E-07	3.46E-07	0.00E+00	0.00E+00	8.94E-08	1.78E-08	1.13E-07	1.74E-08	2.68E-08	2.64E-07
3885	471363.1	3853377	2.88E-04	3.11E-04	4.95E-04	9.97E-08	3.01E-07	1.74E-07	1.88E-07	1.71E-07	7.78E-08	1.24E-07	0.00E+00	0.00E+00	3.21E-08	6.39E-09	4.05E-08	6.25E-09	9.59E-09	9.48E-08
3886	471863.1	3853377	3.15E-04	3.40E-04	5.41E-04	1.09E-07	3.29E-07	1.91E-07	2.06E-07	1.87E-07	8.51E-08	1.35E-07	0.00E+00	0.00E+00	3.51E-08	6.99E-09	4.43E-08	6.84E-09	1.05E-08	1.04E-07
3887	472363.1	3853377	3.45E-04	3.72E-04	5.92E-04	1.19E-07	3.60E-07	2.09E-07	2.25E-07	2.04E-07	9.32E-08	1.48E-07	0.00E+00	0.00E+00	3.84E-08	7.65E-09	4.85E-08	7.48E-09	1.15E-08	1.14E-07
3888	472863.1	3853377	3.76E-04	4.06E-04	6.45E-04	1.30E-07	3.93E-07	2.27E-07	2.46E-07	2.23E-07	1.02E-07	1.62E-07	0.00E+00	0.00E+00	4.19E-08	8.34E-09	5.29E-08	8.16E-09	1.25E-08	1.24E-07
3889	473363.1	3853377	4.02E-04	4.34E-04	6.90E-04	1.39E-07	4.20E-07	2.43E-07	2.63E-07	2.38E-07	1.09E-07	1.73E-07	0.00E+00	0.00E+00	4.47E-08	8.91E-09	5.65E-08	8.72E-09	1.34E-08	1.32E-07
3890	473863.1	3853377	4.32E-04	4.66E-04	7.41E-04	1.50E-07	4.51E-07	2.61E-07	2.82E-07	2.56E-07	1.17E-07	1.85E-07	0.00E+00	0.00E+00	4.81E-08	9.58E-09	6.08E-08	9.37E-09	1.44E-08	1.42E-07
3891	474363.1	3853377	4.62E-04	4.99E-04	7.93E-04	1.60E-07	4.83E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.98E-07	0.00E+00	0.00E+00	5.14E-08	1.02E-08	6.50E-08	1.00E-08	1.54E-08	1.52E-07
3892	474863.1	3853377	4.59E-04	4.95E-04	7.86E-04	1.59E-07	4.80E-07	2.78E-07	3.00E-07	2.72E-07	1.24E-07	1.97E-07	0.00E+00	0.00E+00	5.11E-08	1.02E-08	6.45E-08	9.95E-09	1.52E-08	1.51E-07
3893	475363.1	3853377	4.66E-04	5.03E-04	7.98E-04	1.61E-07	4.87E-07	2.82E-07	3.04E-07	2.76E-07	1.26E-07	2.00E-07	0.00E+00	0.00E+00	5.18E-08	1.03E-08	6.55E-08	1.01E-08	1.55E-08	1.53E-07
3894	475863.1	3853377	4.68E-04	5.05E-04	8.01E-04	1.62E-07	4.89E-07	2.83E-07	3.05E-07	2.77E-07	1.26E-07	2.00E-07	0.00E+00	0.00E+00	5.20E-08	1.04E-08	6.58E-08	1.01E-08	1.55E-08	1.54E-07
3895	476363.1	3853377	4.34E-04	4.68E-04	7.43E-04	1.50E-07	4.53E-07	2.62E-07	2.83E-07	2.57E-07	1.17E-07	1.86E-07	0.00E+00	0.00E+00	4.83E-08	9.62E-09	6.10E-08	9.41E-09	1.44E-08	1.43E-07
3896	476863.1	3853377	3.73E-04	4.03E-04	6.41E-04	1.29E-07	3.90E-07	2.26E-07	2.44E-07	2.21E-07	1.01E-07	1.60E-07	0.00E+00	0.00E+00	4.15E-08	8.28E-09	5.25E-08	8.10E-09	1.24E-08	1.23E-07
3897	477363.1	3853377	3.71E-04	4.00E-04	6.37E-04	1.28E-07	3.88E-07	2.24E-07	2.42E-07	2.20E-07	1.00E-07	1.59E-07	0.00E+00	0.00E+00	4.13E-08	8.22E-09	5.22E-08	8.05E-09	1.23E-08	1.22E-07
3898	477863.1	3853377	3.88E-04	4.19E-04	6.67E-04	1.34E-07	4.06E-07	2.35E-07	2.54E-07	2.30E-07	1.05E-07	1.67E-07	0.00E+00	0.00E+00	4.32E-08	8.61E-09	5.46E-08	8.42E-09	1.29E-08	1.28E-07
3899	478363.1	3853377	3.52E-04	3.80E-04	6.06E-04	1.22E-07	3.68E-07	2.13E-07	2.30E-07	2.09E-07	9.52E-08	1.52E-07	0.00E+00	0.00E+00	3.92E-08	7.81E-09	4.96E-08	7.64E-09	1.18E-08	1.16E-07
3900	478863.1	3853377	2.95E-04	3.19E-04	5.11E-04	1.02E-07	3.09E-07	1.79E-07	1.93E-07	1.75E-07	7.99E-08	1.28E-07	0.00E+00	0.00E+00	3.29E-08	6.56E-09	4.16E-08	6.42E-09	9.90E-09	9.74E-08
3901	479363.1	3853377	4.65E-04	5.03E-04	8.01E-04	1.61E-07	4.86E-07	2.82E-07	3.04E-07	2.76E-07	1.26E-07	2.00E-07	0.00E+00	0.00E+00	5.18E-08	1.03E-08	6.55E-08	1.01E-08	1.55E-08	1.53E-07
3902	479863.1	3853377	7.10E-04	7.66E-04	1.22E-03	2.46E-07	7.42E-07	4.29E-07	4.64E-07	4.20E-07	1.92E-07	3.05E-07	0.00E+00	0.00E+00	7.90E-08	1.57E-08	9.98E-08	1.54E-08	2.36E-08	2.34E-07
3903	480363.1	3853377	1.36E-03	1.46E-03	2.32E-03	4.70E-07	1.42E-06	8.21E-07	8.86E-07	8.03E-07	3.66E-07	5.82E-07	0.00E+00	0.00E+00	1.51E-07	3.01E-08	1.91E-07	2.94E-08	4.50E-08	4.46E-07
3904	480863.1	3853377	1.39E-03	1.50E-03	2.38E-03	4.83E-07	1.46E-06	8.43E-07	9.10E-07	8.25E-07	3.76E-07	5.95E-07	0.00E+00	0.00E+00	1.55E-07	3.09E-08	1.96E-07	3.02E-08	4.61E-08	4.58E-07
3905	481363.1	3853377	2.08E-03	2.24E-03	3.55E-03	7.19E-07	2.17E-06	1.26E-06	1.36E-06	1.23E-06	5.61E-07	8.88E-07	0.00E+00	0.00E+00	2.31E-07	4.60E-08	2.92E-07	4.50E-08	6.87E-08	6.83E-07
3906	481863.1	3853377	2.91E-03	3.14E-03	4.94E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.24E-06	0.00E+00	0.00E+00	3.24E-07	6.45E-08	4.09E-07	6.31E-08	9.57E-08	9.56E-07
3907	482363.1	3853377	3.72E-03	4.01E-03	6.24E-03	1.29E-06	3.89E-06	2.25E-06	2.43E-06	2.20E-06	1.00E-06	1.56E-06	0.00E+00	0.00E+00	4.14E-07	8.23E-08	5.22E-07	8.05E-08	1.21E-07	1.22E-06
3908	482863.1	3853377	3.88E-03	4.16E-03	6.22E-03	1.34E-06	4.06E-06	2.35E-06	2.52E-06	2.28E-06	1.04E-06	1.56E-06	0.00E+00	0.00E+00	4.32E-07	8.54E-08	5.42E-07	8.36E-08	1.21E-07	1.26E-06
3909	483363.1	3853377	3.25E-03	3.48E-03	5.15E-03	1.13E-06	3.40E-06	1.97E-06	2.10E-06	1.91E-06	8.70E-07	1.29E-06	0.00E+00	0.00E+00	3.62E-07	7.14E-08	4.53E-07	6.99E-08	9.98E-08	1.06E-06
3910	483863.1	3853377	2.69E-03	2.89E-03	4.39E-03	9.32E-07	2.81E-06	1.63E-06	1.75E-06	1.58E-06	7.23E-07	1.10E-06	0.00E+00	0.00E+00	3.00E-07	5.93E-08	3.76E-07	5.80E-08	8.51E-08	8.78E-07
3911	484363.1	3853377	2.65E-03	2.85E-03	4.44E-03	9.18E-07	2.77E-06	1.60E-06	1.73E-06	1.56E-06	7.14E-07	1.11E-06	0.00E+00	0.00E+00	2.95E-07	5.86E-08	3.72E-07	5.73E-08	8.60E-08	8.69E-07
3912	484863.1	3853377	2.07E-03	2.23E-03	3.52E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.58E-07	8.82E-07	0.00E+00	0.00E+00	2.30E-07	4.58E-08	2.91E-07	4.48E-08	6.83E-08	6.80E-07
3913	485363.1	3853377	1.49E-03	1.61E-03	2.58E-03	5.17E-07	1.56E-06	9.03E-07	9.76E-07	8.85E-07	4.04E-07	6.46E-07	0.00E+00	0.00E+00	1.66E-07	3.31E-08	2.10E-07	3.24E-08	5.00E-08	4.92E-07
3914	485863.1	3853377	1.26E-03	1.37E-03	2.20E-03	4.37E-07	1.32E-06	7.64E-07	8.26E-07	7.49E-07	3.42E-07	5.50E-07	0.00E+00	0.00E+00	1.41E-07	2.80E-08	1.78E-07	2.74E-08	4.26E-08	4.16E-07
3915	486363.1	3853377	1.37E-03	1.48E-03	2.38E-03	4.73E-07	1.43E-06	8.26E-07	8.94E-07	8.10E-07	3.70E-07	5.95E-07	0.00E+00	0.00E+00	1.52E-07	3.03E-08	1.92E-07	2.97E-08	4.61E-08	4.51E-07
3916	486863.1	3853377	1.43E-03	1.54E-03	2.48E-03	4.95E-07	1.49E-06	8.65E-07	9.35E-07	8.47E-07	3.87E-07	6.21E-07	0.00E+00	0.00E+00	1.59E-07	3.17E-08	2.01E-07	3.10E-08	4.81E-08	4.71E-07
3917	487363.1	3853377	1.54E-03	1.67E-03	2.67E-03	5.34E-07	1.61E-06	9.34E-07	1.01E-06	9.15E-07	4.17E-07	6.69E-07	0.00E+00	0.00E+00	1.72E-07	3.43E-08	2.17E-07	3.35E-08	5.18E-08	5.09E-07
3918	487863.1	3853377	1.62E-03	1.75E-03	2.79E-03	5.59E-07	1.69E-06	9.78E-07	1.06E-06	9.58E-07	4.37E-07	6.99E-07	0.00E+00	0.00E+00	1.80E-07	3.59E-08	2.28E-07	3.51E-08	5.42E-08	5.33E-07
3919	488363.1	3853377	1.71E-03	1.85E-03	2.96E-03	5.93E-07	1.79E-06	1.04E-06	1.12E-06	1.01E-06	4.63E-07	7.40E-07	0.00E+00	0.00E+00	1.91E-07	3.80E-08	2.41E-07	3.72E-08	5.73E-08	5.64E-07
3920	488863.1	3853377	1.72E-03	1.86E-03	2.97E-03	5.97E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.66E-07	7.44E-07	0.00E+00	0.00E+00	1.92E-07	3.82E-08	2.43E-07	3.74E-08	5.76E-08	5.68E-07
3921	489363.1	3853377	1.73E-03	1.87E-03	2.98E-03	5.98E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.46E-07	0.00E+00	0.00E+00	1.92E-07	3.84E-08	2.43E-07	3.75E-08	5.77E-08	5.69E-07
3922	489863.1	3853377	1.68E-03	1.82E-03	2.90E-03	5.83E-07	1.76E-06	1.02E-06	1.10E-06	9.98E-07	4.55E-07	7.26E-07	0.00E+00	0.00E+00	1.88E-07	3.74E-08	2.37E-07	3.66E-08	5.62E-08	5.55E-07
3923	490363.1	3853377	1.78E-03	1.92E-03	3.07E-03	6.16E-07	1.86E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.67E-07	0.00E+00	0.00E+00	1.98E-07	3.95E-08	2.51E-07	3.86E-08	5.94E-08	5.86E-07
3924	490863.1	3853377	1.83E-03	1.97E-03	3.14E-03	6.32E-07	1.91E-06	1.10E-06	1.19E-06	1.08E-06	4.94E-07	7.87E-07	0.00E+00	0.00E+00	2.03E-07	4.05E-08	2.57E-07	3.96E-08	6.09E-08	6.01E-07
3925	491363.1	3853377	1.87E-03	2.02E-03	3.22E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.06E-07	8.06E-07	0.00E+00	0.00E+00	2.08E-07	4.15E-08	2.63E-07	4.06E-08	6.24E-08	6.16E-07
3926	491863.1	3853377	1.90E-03	2.05E-03	3.27E-03	6.59E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.14E-07	8.19E-07	0.00E+00	0.00E+00	2.12E-07	4.22E-08	2.68E-07	4.13E-08	6.35E-08	6.27E-07

3927	492363.1	3853377	1.98E-03	2.13E-03	3.40E-03	6.84E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.34E-07	8.51E-07	0.00E+00	0.00E+00	2.20E-07	4.38E-08	2.78E-07	4.29E-08	6.59E-08	6.51E-07
3928	492863.1	3853377	2.04E-03	2.20E-03	3.51E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.78E-07	0.00E+00	0.00E+00	2.27E-07	4.52E-08	2.87E-07	4.42E-08	6.80E-08	6.71E-07
3929	493363.1	3853377	2.03E-03	2.19E-03	3.49E-03	7.02E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.48E-07	8.74E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.86E-07	4.40E-08	6.77E-08	6.68E-07
3930	493863.1	3853377	1.99E-03	2.15E-03	3.43E-03	6.90E-07	2.08E-06	1.21E-06	1.30E-06	1.18E-06	5.39E-07	8.59E-07	0.00E+00	0.00E+00	2.22E-07	4.42E-08	2.81E-07	4.33E-08	6.65E-08	6.56E-07
3931	494363.1	3853377	1.90E-03	2.05E-03	3.28E-03	6.58E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.14E-07	8.20E-07	0.00E+00	0.00E+00	2.12E-07	4.22E-08	2.68E-07	4.13E-08	6.35E-08	6.26E-07
3932	494863.1	3853377	1.78E-03	1.93E-03	3.07E-03	6.18E-07	1.86E-06	1.08E-06	1.17E-06	1.06E-06	4.82E-07	7.69E-07	0.00E+00	0.00E+00	1.99E-07	3.96E-08	2.51E-07	3.87E-08	5.96E-08	5.88E-07
3933	495363.1	3853377	1.72E-03	1.86E-03	2.97E-03	5.96E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.66E-07	7.43E-07	0.00E+00	0.00E+00	1.92E-07	3.82E-08	2.42E-07	3.74E-08	5.75E-08	5.67E-07
3934	495863.1	3853377	1.63E-03	1.76E-03	2.81E-03	5.64E-07	1.70E-06	9.85E-07	1.06E-06	9.65E-07	4.40E-07	7.02E-07	0.00E+00	0.00E+00	1.81E-07	3.61E-08	2.29E-07	3.54E-08	5.44E-08	5.36E-07
3935	496363.1	3853377	1.50E-03	1.62E-03	2.59E-03	5.21E-07	1.57E-06	9.10E-07	9.83E-07	8.91E-07	4.07E-07	6.49E-07	0.00E+00	0.00E+00	1.67E-07	3.34E-08	2.12E-07	3.26E-08	5.02E-08	4.95E-07
3936	496863.1	3853377	1.33E-03	1.44E-03	2.29E-03	4.60E-07	1.39E-06	8.05E-07	8.69E-07	7.88E-07	3.59E-07	5.73E-07	0.00E+00	0.00E+00	1.48E-07	2.95E-08	1.87E-07	2.89E-08	4.44E-08	4.38E-07
3937	497363.1	3853377	1.13E-03	1.22E-03	1.94E-03	3.91E-07	1.18E-06	6.83E-07	7.37E-07	6.68E-07	3.05E-07	4.87E-07	0.00E+00	0.00E+00	1.26E-07	2.50E-08	1.59E-07	2.45E-08	3.77E-08	3.72E-07
3938	497863.1	3853377	7.99E-04	8.63E-04	1.38E-03	2.77E-07	8.35E-07	4.83E-07	5.22E-07	4.73E-07	2.16E-07	3.45E-07	0.00E+00	0.00E+00	8.89E-08	1.77E-08	1.12E-07	1.73E-08	2.67E-08	2.63E-07
3939	498363.1	3853377	6.47E-04	6.99E-04	1.12E-03	2.24E-07	6.76E-07	3.92E-07	4.23E-07	3.83E-07	1.75E-07	2.79E-07	0.00E+00	0.00E+00	7.20E-08	1.44E-08	9.11E-08	1.40E-08	2.16E-08	2.13E-07
3940	471363.1	3853877	2.99E-04	3.23E-04	5.14E-04	1.03E-07	3.12E-07	1.81E-07	1.95E-07	1.77E-07	8.08E-08	1.29E-07	0.00E+00	0.00E+00	3.33E-08	6.63E-09	4.21E-08	6.49E-09	9.96E-09	9.84E-08
3941	471863.1	3853877	3.29E-04	3.55E-04	5.65E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.88E-08	1.41E-07	0.00E+00	0.00E+00	3.66E-08	7.29E-09	4.62E-08	7.13E-09	1.09E-08	1.08E-07
3942	472363.1	3853877	3.48E-04	3.76E-04	5.99E-04	1.21E-07	3.64E-07	2.11E-07	2.28E-07	2.06E-07	9.41E-08	1.50E-07	0.00E+00	0.00E+00	3.88E-08	7.72E-09	4.90E-08	7.56E-09	1.16E-08	1.15E-07
3943	472863.1	3853877	3.75E-04	4.05E-04	6.44E-04	1.30E-07	3.92E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.61E-07	0.00E+00	0.00E+00	4.17E-08	8.31E-09	5.27E-08	8.13E-09	1.25E-08	1.23E-07
3944	473363.1	3853877	3.93E-04	4.25E-04	6.76E-04	1.36E-07	4.11E-07	2.38E-07	2.57E-07	2.33E-07	1.06E-07	1.69E-07	0.00E+00	0.00E+00	4.38E-08	8.72E-09	5.53E-08	8.54E-09	1.31E-08	1.29E-07
3945	473863.1	3853877	4.15E-04	4.48E-04	7.13E-04	1.44E-07	4.34E-07	2.51E-07	2.71E-07	2.46E-07	1.12E-07	1.78E-07	0.00E+00	0.00E+00	4.62E-08	9.21E-09	5.84E-08	9.01E-09	1.38E-08	1.37E-07
3946	474363.1	3853877	4.47E-04	4.82E-04	7.67E-04	1.55E-07	4.67E-07	2.70E-07	2.92E-07	2.64E-07	1.21E-07	1.92E-07	0.00E+00	0.00E+00	4.97E-08	9.90E-09	6.28E-08	9.69E-09	1.49E-08	1.47E-07
3947	474863.1	3853877	4.73E-04	5.11E-04	8.12E-04	1.64E-07	4.94E-07	2.86E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	0.00E+00	0.00E+00	5.27E-08	1.05E-08	6.66E-08	1.03E-08	1.57E-08	1.56E-07
3948	475363.1	3853877	4.63E-04	5.00E-04	7.94E-04	1.60E-07	4.84E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.99E-07	0.00E+00	0.00E+00	5.15E-08	1.03E-08	6.51E-08	1.00E-08	1.54E-08	1.52E-07
3949	475863.1	3853877	4.04E-04	4.36E-04	6.93E-04	1.40E-07	4.22E-07	2.44E-07	2.64E-07	2.39E-07	1.09E-07	1.73E-07	0.00E+00	0.00E+00	4.49E-08	8.95E-09	5.68E-08	8.76E-09	1.34E-08	1.33E-07
3950	476363.1	3853877	3.51E-04	3.79E-04	6.04E-04	1.22E-07	3.67E-07	2.13E-07	2.30E-07	2.08E-07	9.49E-08	1.51E-07	0.00E+00	0.00E+00	3.91E-08	7.79E-09	4.94E-08	7.62E-09	1.17E-08	1.16E-07
3951	476863.1	3853877	2.92E-04	3.15E-04	5.03E-04	1.01E-07	3.05E-07	1.77E-07	1.91E-07	1.73E-07	7.90E-08	1.26E-07	0.00E+00	0.00E+00	3.25E-08	6.48E-09	4.11E-08	6.34E-09	9.75E-09	9.62E-08
3952	477363.1	3853877	3.19E-04	3.44E-04	5.49E-04	1.10E-07	3.33E-07	1.93E-07	2.08E-07	1.89E-07	8.61E-08	1.37E-07	0.00E+00	0.00E+00	3.55E-08	7.07E-09	4.49E-08	6.92E-09	1.06E-08	1.05E-07
3953	477863.1	3853877	3.65E-04	3.94E-04	6.28E-04	1.26E-07	3.82E-07	2.21E-07	2.39E-07	2.16E-07	9.87E-08	1.57E-07	0.00E+00	0.00E+00	4.07E-08	8.10E-09	5.14E-08	7.93E-09	1.22E-08	1.20E-07
3954	478363.1	3853877	3.91E-04	4.22E-04	6.72E-04	1.35E-07	4.08E-07	2.36E-07	2.55E-07	2.31E-07	1.06E-07	1.68E-07	0.00E+00	0.00E+00	4.35E-08	8.66E-09	5.50E-08	8.48E-09	1.30E-08	1.29E-07
3955	478863.1	3853877	3.06E-04	3.31E-04	5.29E-04	1.06E-07	3.20E-07	1.85E-07	2.00E-07	1.81E-07	8.27E-08	1.32E-07	0.00E+00	0.00E+00	3.41E-08	6.79E-09	4.31E-08	6.64E-09	1.03E-08	1.01E-07
3956	479363.1	3853877	4.09E-04	4.41E-04	7.05E-04	1.41E-07	4.27E-07	2.47E-07	2.67E-07	2.42E-07	1.10E-07	1.76E-07	0.00E+00	0.00E+00	4.55E-08	9.07E-09	5.75E-08	8.87E-09	1.37E-08	1.35E-07
3957	479863.1	3853877	7.26E-04	7.84E-04	1.25E-03	2.51E-07	7.59E-07	4.39E-07	4.74E-07	4.30E-07	1.96E-07	3.12E-07	0.00E+00	0.00E+00	8.08E-08	1.61E-08	1.02E-07	1.58E-08	2.41E-08	2.39E-07
3958	480363.1	3853877	1.10E-03	1.19E-03	1.88E-03	3.80E-07	1.15E-06	6.65E-07	7.17E-07	6.50E-07	2.97E-07	4.71E-07	0.00E+00	0.00E+00	1.22E-07	2.43E-08	1.54E-07	2.38E-08	3.65E-08	3.61E-07
3959	480863.1	3853877	1.99E-03	2.15E-03	3.41E-03	6.89E-07	2.08E-06	1.20E-06	1.30E-06	1.18E-06	5.37E-07	8.54E-07	0.00E+00	0.00E+00	2.21E-07	4.41E-08	2.80E-07	4.32E-08	6.61E-08	6.55E-07
3960	481363.1	3853877	2.85E-03	3.08E-03	4.90E-03	9.87E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.32E-08	4.01E-07	6.19E-08	9.50E-08	9.39E-07
3961	481863.1	3853877	4.10E-03	4.43E-03	7.05E-03	1.42E-06	4.28E-06	2.48E-06	2.68E-06	2.43E-06	1.11E-06	1.77E-06	0.00E+00	0.00E+00	4.56E-07	9.09E-08	5.77E-07	8.90E-08	1.37E-07	1.35E-06
3962	482363.1	3853877	6.10E-03	6.59E-03	1.05E-02	2.11E-06	6.38E-06	3.69E-06	3.99E-06	3.62E-06	1.65E-06	2.63E-06	0.00E+00	0.00E+00	6.79E-07	1.35E-07	8.59E-07	1.32E-07	2.04E-07	2.01E-06
3963	482863.1	3853877	2.88E-02	3.15E-02	5.46E-02	9.98E-06	3.01E-05	1.74E-05	1.91E-05	1.73E-05	7.89E-06	1.37E-05	0.00E+00	0.00E+00	3.21E-06	6.47E-07	4.11E-06	6.33E-07	1.06E-06	9.65E-06
3964	483363.1	3853877	1.11E-02	1.20E-02	1.93E-02	3.84E-06	1.16E-05	6.71E-06	7.26E-06	6.58E-06	3.00E-06	4.82E-06	0.00E+00	0.00E+00	1.23E-06	2.46E-07	1.56E-06	2.41E-07	3.73E-07	3.66E-06
3965	483863.1	3853877	7.82E-03	8.47E-03	1.37E-02	2.71E-06	8.18E-06	4.73E-06	5.12E-06	4.64E-06	2.12E-06	3.43E-06	0.00E+00	0.00E+00	8.71E-07	1.74E-07	1.10E-06	1.70E-07	2.66E-07	2.58E-06
3966	484363.1	3853877	5.25E-03	5.68E-03	9.21E-03	1.82E-06	5.48E-06	3.17E-06	3.44E-06	3.12E-06	1.42E-06	2.31E-06	0.00E+00	0.00E+00	5.84E-07	1.17E-07	7.40E-07	1.14E-07	1.79E-07	1.73E-06
3967	484863.1	3853877	3.62E-03	3.92E-03	6.38E-03	1.25E-06	3.79E-06	2.19E-06	2.37E-06	2.15E-06	9.82E-07	1.60E-06	0.00E+00	0.00E+00	4.03E-07	8.06E-08	5.11E-07	7.89E-08	1.24E-07	1.20E-06
3968	485363.1	3853877	2.54E-03	2.75E-03	4.48E-03	8.80E-07	2.66E-06	1.54E-06	1.67E-06	1.51E-06	6.89E-07	1.12E-06	0.00E+00	0.00E+00	2.83E-07	5.65E-08	3.59E-07	5.53E-08	8.67E-08	8.40E-07
3969	485863.1	3853877	2.73E-03	2.96E-03	4.78E-03	9.47E-07	2.86E-06	1.65E-06	1.79E-06	1.62E-06	7.41E-07	1.20E-06	0.00E+00	0.00E+00	3.04E-07	6.08E-08	3.86E-07	5.95E-08	9.26E-08	9.03E-07
3970	486363.1	3853877	2.67E-03	2.89E-03	4.64E-03	9.24E-07	2.79E-06	1.62E-06	1.75E-06	1.58E-06	7.23E-07	1.16E-06	0.00E+00	0.00E+00	2.97E-07	5.93E-08	3.76E-07	5.80E-08	9.00E-08	8.81E-07
3971	486863.1	3853877	2.54E-03	2.75E-03	4.40E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.10E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.53E-08	8.37E-07
3972	487363.1	3853877	2.61E-03	2.82E-03	4.51E-03	9.05E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.07E-07	1.13E-06	0.00E+00	0.00E+00	2.91E-07	5.80E-08	3.68E-07	5.67E-08	8.75E-08	8.61E-07
3973	487863.1	3853877	2.85E-03	3.08E-03	4.91E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.32E-08	4.01E-07	6.18E-08	9.51E-08	9.38E-07
3974	488363.1	3853877	2.90E-03	3.13E-03	4.99E-03	1.00E-06	3.03E-06	1.76E-06	1.90E-06	1.72E-06	7.84E-07	1.25E-06	0.00E+00	0.00E+00	3.23E-07	6.44E-08	4.08E-07	6.30E-08	9.68E-08	9.56E-07
3975	488863.1	3853877	3.03E-03	3.27E-03	5.21E-03	1.05E-06	3.17E-06	1.84E-06	1.98E-06	1.80E-06	8.20E-07	1.30E-06	0.00E+00	0.00E+00	3.38E-07	6.73E-08	4.27E-07	6.58E-08	1.01E-07	9.99E-07
3976	489363.1	3853877	2.84E-03	3.07E-03	4.88E-03	9.84E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.68E-07	1.22E-06	0.00E+00	0.00E+00	3.16E-07	6.30E-08	4.00E-07	6.17E-08	9.46E-08	9.35E-07
3977	489863.1	3853877	2.85E-03	3.08E-03	4.90E-03	9.86E-07	2.98E-06	1.72E-06	1.86E-06	1.69E-06	7.70E-07	1.23E-06	0.00E+00	0.00E+00	3.17E-07	6.32E-08	4.01E-07	6.18E-08	9.49E-08	9.38E-07
3978	490363.1	3853877	2.76E-03	2.98E-03	4.75E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	0.00E+00	0.00E+00	3.07E-07	6.12E-08	3.89E-07	5.99E-08	9.20E-08	9.09E-07
3979	490863.1	3853877	2.74E-03	2.95E-03	4.70E-03	9.47E-07	2.86E-06	1.66E-06	1.79E-06	1.62E-06	7.39E-07	1.18E-06	0.00E+00	0.00E+00	3.05E-07	6.07E-08	3.85E-07	5.94E-08	9.12E-08	9.01E-07
3980	491363.1	3853877	2.72E-03	2.94E-03	4.68E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	9.08E-08	8.97E-07
3981	491863.1	3853877	2.70E-03	2.92E-03	4.64E-03	9.35E-07	2.82E-06	1.63E-06	1.76E-06	1.60E-06	7.30E-07	1.16E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.86E-08	9.00E-08	8.89E-07
3982	492363.1	3853877	2.77E-03	2.99E-03	4.76E-03	9.57E-07	2.89E-06	1.67E-06	1.81E-06	1.64E-06	7.48E-07	1.19E-06	0.00E+00	0.00E+00	3.08E-07	6.13E-08	3.89E-07	6.00E-08	9.22E-08	9.11E-07
3983	492863.1	3853877	2.76E-03	2.98E-03	4.75E-03	9.56E-07	2.89E-06	1.67E-06	1.80E-06	1.64E-06	7.46E-07	1.19E-06	0.00E+00	0.00E+00	3.07E-07	6.12E-08	3.89E-07	5.99E-08	9.21E-08	9.09E-07

3984	493363.1	3853877	2.66E-03	2.88E-03	4.58E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.20E-07	1.15E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.75E-07	5.78E-08	8.88E-08	8.77E-07
3985	493863.1	3853877	2.53E-03	2.73E-03	4.36E-03	8.76E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.84E-07	1.09E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.44E-08	8.33E-07
3986	494363.1	3853877	2.42E-03	2.62E-03	4.18E-03	8.39E-07	2.53E-06	1.47E-06	1.58E-06	1.44E-06	6.55E-07	1.05E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.26E-08	8.10E-08	7.99E-07
3987	494863.1	3853877	2.27E-03	2.45E-03	3.91E-03	7.85E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.78E-07	0.00E+00	0.00E+00	2.52E-07	5.03E-08	3.19E-07	4.92E-08	7.57E-08	7.47E-07
3988	495363.1	3853877	1.97E-03	2.12E-03	3.39E-03	6.81E-07	2.06E-06	1.19E-06	1.29E-06	1.17E-06	5.32E-07	8.48E-07	0.00E+00	0.00E+00	2.19E-07	4.36E-08	2.77E-07	4.27E-08	6.57E-08	6.48E-07
3989	495863.1	3853877	1.74E-03	1.88E-03	3.00E-03	6.03E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.71E-07	7.51E-07	0.00E+00	0.00E+00	1.94E-07	3.86E-08	2.45E-07	3.78E-08	5.82E-08	5.74E-07
3990	496363.1	3853877	1.60E-03	1.73E-03	2.75E-03	5.53E-07	1.67E-06	9.67E-07	1.04E-06	9.46E-07	4.32E-07	6.89E-07	0.00E+00	0.00E+00	1.78E-07	3.54E-08	2.25E-07	3.47E-08	5.33E-08	5.26E-07
3991	496863.1	3853877	1.37E-03	1.47E-03	2.35E-03	4.73E-07	1.43E-06	8.26E-07	8.92E-07	8.09E-07	3.69E-07	5.89E-07	0.00E+00	0.00E+00	1.52E-07	3.03E-08	1.92E-07	2.96E-08	4.56E-08	4.50E-07
3992	497363.1	3853877	1.18E-03	1.28E-03	2.04E-03	4.10E-07	1.24E-06	7.17E-07	7.74E-07	7.02E-07	3.20E-07	5.11E-07	0.00E+00	0.00E+00	1.32E-07	2.63E-08	1.67E-07	2.57E-08	3.96E-08	3.90E-07
3993	497863.1	3853877	9.58E-04	1.03E-03	1.65E-03	3.32E-07	1.00E-06	5.80E-07	6.26E-07	5.68E-07	2.59E-07	4.13E-07	0.00E+00	0.00E+00	1.07E-07	2.13E-08	1.35E-07	2.08E-08	3.20E-08	3.16E-07
3994	498363.1	3853877	8.27E-04	8.93E-04	1.43E-03	2.86E-07	8.64E-07	5.00E-07	5.40E-07	4.90E-07	2.24E-07	3.57E-07	0.00E+00	0.00E+00	9.21E-08	1.83E-08	1.16E-07	1.80E-08	2.76E-08	2.72E-07
3995	471363.1	3854377	3.10E-04	3.35E-04	5.33E-04	1.07E-07	3.24E-07	1.88E-07	2.03E-07	1.84E-07	8.38E-08	1.33E-07	0.00E+00	0.00E+00	3.45E-08	6.88E-09	4.37E-08	6.73E-09	1.03E-08	1.02E-07
3996	471863.1	3854377	3.42E-04	3.69E-04	5.87E-04	1.18E-07	3.57E-07	2.07E-07	2.23E-07	2.02E-07	9.24E-08	1.47E-07	0.00E+00	0.00E+00	3.80E-08	7.58E-09	4.81E-08	7.42E-09	1.14E-08	1.13E-07
3997	472363.1	3854377	3.65E-04	3.94E-04	6.26E-04	1.26E-07	3.81E-07	2.21E-07	2.38E-07	2.16E-07	9.85E-08	1.57E-07	0.00E+00	0.00E+00	4.06E-08	8.08E-09	5.13E-08	7.91E-09	1.21E-08	1.20E-07
3998	472863.1	3854377	3.82E-04	4.12E-04	6.55E-04	1.32E-07	3.99E-07	2.31E-07	2.49E-07	2.26E-07	1.03E-07	1.64E-07	0.00E+00	0.00E+00	4.25E-08	8.46E-09	5.37E-08	8.28E-09	1.27E-08	1.26E-07
3999	473363.1	3854377	4.07E-04	4.39E-04	6.98E-04	1.41E-07	4.25E-07	2.46E-07	2.66E-07	2.41E-07	1.10E-07	1.75E-07	0.00E+00	0.00E+00	4.53E-08	9.02E-09	5.72E-08	8.82E-09	1.35E-08	1.34E-07
4000	473863.1	3854377	4.39E-04	4.74E-04	7.52E-04	1.52E-07	4.59E-07	2.65E-07	2.87E-07	2.60E-07	1.19E-07	1.88E-07	0.00E+00	0.00E+00	4.88E-08	9.73E-09	6.17E-08	9.52E-09	1.46E-08	1.44E-07
4001	474363.1	3854377	4.73E-04	5.11E-04	8.12E-04	1.64E-07	4.95E-07	2.86E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	0.00E+00	0.00E+00	5.27E-08	1.05E-08	6.66E-08	1.03E-08	1.57E-08	1.56E-07
4002	474863.1	3854377	4.56E-04	4.92E-04	7.82E-04	1.58E-07	4.76E-07	2.76E-07	2.98E-07	2.70E-07	1.23E-07	1.96E-07	0.00E+00	0.00E+00	5.07E-08	1.01E-08	6.41E-08	9.89E-09	1.52E-08	1.50E-07
4003	475363.1	3854377	3.98E-04	4.30E-04	6.83E-04	1.38E-07	4.16E-07	2.41E-07	2.60E-07	2.36E-07	1.08E-07	1.71E-07	0.00E+00	0.00E+00	4.43E-08	8.83E-09	5.60E-08	8.64E-09	1.32E-08	1.31E-07
4004	475863.1	3854377	2.95E-04	3.19E-04	5.08E-04	1.02E-07	3.09E-07	1.79E-07	1.93E-07	1.75E-07	7.98E-08	1.27E-07	0.00E+00	0.00E+00	3.29E-08	6.55E-09	4.16E-08	6.41E-09	9.85E-09	9.73E-08
4005	476363.1	3854377	2.78E-04	3.00E-04	4.78E-04	9.61E-08	2.90E-07	1.68E-07	1.82E-07	1.65E-07	7.51E-08	1.20E-07	0.00E+00	0.00E+00	3.09E-08	6.16E-09	3.91E-08	6.03E-09	9.27E-09	9.15E-08
4006	476863.1	3854377	2.77E-04	3.00E-04	4.78E-04	9.60E-08	2.90E-07	1.68E-07	1.81E-07	1.64E-07	7.50E-08	1.20E-07	0.00E+00	0.00E+00	3.09E-08	6.15E-09	3.90E-08	6.02E-09	9.26E-09	9.13E-08
4007	477363.1	3854377	2.84E-04	3.06E-04	4.89E-04	9.82E-08	2.96E-07	1.72E-07	1.85E-07	1.68E-07	7.67E-08	1.22E-07	0.00E+00	0.00E+00	3.16E-08	6.29E-09	3.99E-08	6.16E-09	9.47E-09	9.34E-08
4008	477863.1	3854377	2.96E-04	3.20E-04	5.10E-04	1.02E-07	3.09E-07	1.79E-07	1.93E-07	1.75E-07	8.00E-08	1.28E-07	0.00E+00	0.00E+00	3.29E-08	6.56E-09	4.16E-08	6.42E-09	9.89E-09	9.74E-08
4009	478363.1	3854377	3.45E-04	3.72E-04	5.94E-04	1.19E-07	3.60E-07	2.09E-07	2.25E-07	2.04E-07	9.32E-08	1.49E-07	0.00E+00	0.00E+00	3.84E-08	7.65E-09	4.85E-08	7.48E-09	1.15E-08	1.14E-07
4010	478863.1	3854377	3.80E-04	4.10E-04	6.54E-04	1.32E-07	3.97E-07	2.30E-07	2.48E-07	2.25E-07	1.03E-07	1.64E-07	0.00E+00	0.00E+00	4.23E-08	8.43E-09	5.35E-08	8.25E-09	1.27E-08	1.25E-07
4011	479363.1	3854377	5.63E-04	6.08E-04	9.68E-04	1.95E-07	5.89E-07	3.41E-07	3.68E-07	3.34E-07	1.52E-07	2.42E-07	0.00E+00	0.00E+00	6.27E-08	1.25E-08	7.93E-08	1.22E-08	1.88E-08	1.85E-07
4012	479863.1	3854377	7.36E-04	7.95E-04	1.26E-03	2.55E-07	7.70E-07	4.46E-07	4.81E-07	4.36E-07	1.99E-07	3.16E-07	0.00E+00	0.00E+00	8.20E-08	1.63E-08	1.04E-07	1.60E-08	2.45E-08	2.42E-07
4013	480363.1	3854377	1.06E-03	1.15E-03	1.82E-03	3.68E-07	1.11E-06	6.44E-07	6.95E-07	6.30E-07	2.87E-07	4.55E-07	0.00E+00	0.00E+00	1.18E-07	2.36E-08	1.50E-07	2.31E-08	3.53E-08	3.50E-07
4014	480863.1	3854377	1.81E-03	1.96E-03	3.09E-03	6.28E-07	1.90E-06	1.10E-06	1.18E-06	1.07E-06	4.90E-07	7.74E-07	0.00E+00	0.00E+00	2.02E-07	4.02E-08	2.55E-07	3.93E-08	6.00E-08	5.96E-07
4015	481363.1	3854377	3.06E-03	3.30E-03	5.24E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.81E-06	8.27E-07	1.31E-06	0.00E+00	0.00E+00	3.41E-07	6.79E-08	4.31E-07	6.64E-08	1.02E-07	1.01E-06
4016	481863.1	3854377	5.49E-03	5.93E-03	9.51E-03	1.90E-06	5.74E-06	3.32E-06	3.59E-06	3.25E-06	1.48E-06	2.38E-06	0.00E+00	0.00E+00	6.11E-07	1.22E-07	7.73E-07	1.19E-07	1.84E-07	1.81E-06
4017	482363.1	3854377	8.76E-03	9.48E-03	1.54E-02	3.03E-06	9.15E-06	5.30E-06	5.74E-06	5.20E-06	2.37E-06	3.84E-06	0.00E+00	0.00E+00	9.75E-07	1.95E-07	1.24E-06	1.91E-07	2.98E-07	2.89E-06
4018	482863.1	3854377	3.48E-02	3.78E-02	6.29E-02	1.21E-05	3.64E-05	2.11E-05	2.29E-05	2.08E-05	9.47E-06	1.57E-05	0.00E+00	0.00E+00	3.88E-06	7.77E-07	4.93E-06	7.61E-07	1.22E-06	1.16E-05
4019	483363.1	3854377	3.77E-02	4.11E-02	7.02E-02	1.30E-05	3.94E-05	2.28E-05	2.49E-05	2.25E-05	1.03E-05	1.76E-05	0.00E+00	0.00E+00	4.19E-06	8.44E-07	5.36E-06	8.26E-07	1.36E-06	1.26E-05
4020	483863.1	3854377	1.56E-02	1.69E-02	2.80E-02	5.40E-06	1.63E-05	9.43E-06	1.02E-05	9.28E-06	4.24E-06	7.00E-06	0.00E+00	0.00E+00	1.74E-06	3.48E-07	2.21E-06	3.40E-07	5.42E-07	5.17E-06
4021	484363.1	3854377	9.01E-03	9.76E-03	1.59E-02	3.12E-06	9.41E-06	5.45E-06	5.91E-06	5.35E-06	2.44E-06	3.99E-06	0.00E+00	0.00E+00	1.00E-06	2.00E-07	1.27E-06	1.96E-07	3.09E-07	2.98E-06
4022	484863.1	3854377	6.13E-03	6.64E-03	1.08E-02	2.12E-06	6.41E-06	3.71E-06	4.02E-06	3.64E-06	1.66E-06	2.69E-06	0.00E+00	0.00E+00	6.83E-07	1.36E-07	8.65E-07	1.33E-07	2.08E-07	2.03E-06
4023	485363.1	3854377	6.55E-03	7.08E-03	1.13E-02	2.27E-06	6.84E-06	3.96E-06	4.28E-06	3.88E-06	1.77E-06	2.84E-06	0.00E+00	0.00E+00	7.29E-07	1.45E-07	9.22E-07	1.42E-07	2.20E-07	2.16E-06
4024	485863.1	3854377	5.11E-03	5.52E-03	8.83E-03	1.77E-06	5.34E-06	3.09E-06	3.34E-06	3.03E-06	1.38E-06	2.21E-06	0.00E+00	0.00E+00	5.69E-07	1.13E-07	7.20E-07	1.11E-07	1.71E-07	1.68E-06
4025	486363.1	3854377	5.08E-03	5.49E-03	8.74E-03	1.76E-06	5.31E-06	3.08E-06	3.32E-06	3.01E-06	1.37E-06	2.19E-06	0.00E+00	0.00E+00	5.66E-07	1.13E-07	7.15E-07	1.10E-07	1.69E-07	1.67E-06
4026	486863.1	3854377	4.60E-03	4.97E-03	7.90E-03	1.59E-06	4.81E-06	2.78E-06	3.01E-06	2.72E-06	1.24E-06	1.98E-06	0.00E+00	0.00E+00	5.12E-07	1.02E-07	6.47E-07	9.98E-08	1.53E-07	1.51E-06
4027	487363.1	3854377	4.58E-03	4.94E-03	7.84E-03	1.58E-06	4.78E-06	2.77E-06	2.99E-06	2.71E-06	1.24E-06	1.96E-06	0.00E+00	0.00E+00	5.09E-07	1.01E-07	6.44E-07	9.92E-08	1.52E-07	1.51E-06
4028	487863.1	3854377	4.72E-03	5.10E-03	8.09E-03	1.63E-06	4.94E-06	2.86E-06	3.08E-06	2.80E-06	1.28E-06	2.02E-06	0.00E+00	0.00E+00	5.26E-07	1.05E-07	6.64E-07	1.02E-07	1.57E-07	1.55E-06
4029	488363.1	3854377	4.71E-03	5.08E-03	8.07E-03	1.63E-06	4.92E-06	2.85E-06	3.07E-06	2.79E-06	1.27E-06	2.02E-06	0.00E+00	0.00E+00	5.24E-07	1.04E-07	6.62E-07	1.02E-07	1.56E-07	1.55E-06
4030	488863.1	3854377	4.65E-03	5.02E-03	7.98E-03	1.61E-06	4.86E-06	2.82E-06	3.04E-06	2.75E-06	1.26E-06	2.00E-06	0.00E+00	0.00E+00	5.18E-07	1.03E-07	6.55E-07	1.01E-07	1.55E-07	1.53E-06
4031	489363.1	3854377	4.53E-03	4.89E-03	7.77E-03	1.57E-06	4.73E-06	2.74E-06	2.96E-06	2.68E-06	1.22E-06	1.94E-06	0.00E+00	0.00E+00	5.04E-07	1.00E-07	6.37E-07	9.82E-08	1.51E-07	1.49E-06
4032	489863.1	3854377	4.34E-03	4.69E-03	7.46E-03	1.50E-06	4.54E-06	2.63E-06	2.84E-06	2.57E-06	1.17E-06	1.87E-06	0.00E+00	0.00E+00	4.84E-07	9.63E-08	6.11E-07	9.42E-08	1.45E-07	1.43E-06
4033	490363.1	3854377	4.11E-03	4.44E-03	7.06E-03	1.42E-06	4.30E-06	2.49E-06	2.68E-06	2.43E-06	1.11E-06	1.77E-06	0.00E+00	0.00E+00	4.58E-07	9.11E-08	5.78E-07	8.92E-08	1.37E-07	1.35E-06
4034	490863.1	3854377	3.38E-03	3.64E-03	5.79E-03	1.17E-06	3.53E-06	2.04E-06	2.20E-06	2.00E-06	9.12E-07	1.45E-06	0.00E+00	0.00E+00	3.76E-07	7.48E-08	4.75E-07	7.32E-08	1.12E-07	1.11E-06
4035	491363.1	3854377	3.61E-03	3.89E-03	6.20E-03	1.25E-06	3.77E-06	2.18E-06	2.36E-06	2.14E-06	9.75E-07	1.55E-06	0.00E+00	0.00E+00	4.02E-07	8.00E-08	5.08E-07	7.83E-08	1.20E-07	1.19E-06
4036	491863.1	3854377	3.74E-03	4.04E-03	6.43E-03	1.30E-06	3.91E-06	2.26E-06	2.44E-06	2.22E-06	1.01E-06	1.61E-06	0.00E+00	0.00E+00	4.16E-07	8.30E-08	5.27E-07	8.12E-08	1.25E-07	1.23E-06
4037	492363.1	3854377	3.71E-03	4.01E-03	6.39E-03	1.29E-06	3.88E-06	2.25E-06	2.43E-06	2.20E-06	1.00E-06	1.60E-06	0.00E+00	0.00E+00	4.13E-07	8.24E-08	5.23E-07	8.06E-08	1.24E-07	1.22E-06
4038	492863.1	3854377	3.56E-03	3.84E-03	6.13E-03	1.23E-06	3.72E-06	2.15E-06	2.33E-06	2.11E-06	9.62E-07	1.53E-06	0.00E+00	0.00E+00	3.96E-07	7.89E-08	5.01E-07	7.72E-08	1.19E-07	1.17E-06
4039	493363.1	3854377	3.34E-03	3.61E-03	5.75E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.98E-06	9.03E-07	1.44E-06	0.00E+00	0.00E+00	3.72E-07	7.41E-08	4.70E-07	7.25E-08	1.11E-07	1.10E-06
4040	493863.1	3854377	3.12E-03	3.37E-03	5.37E-03	1.08E-06	3.26E-06	1.89E-06	2.04E-06	1.85E-06	8.43E-07	1.34E-06	0.00E+00	0.00E+00	3.47E-07	6.92E-08	4.39E-07	6.77E-08	1.04E-07	1.03E-06

4041	494363.1	3854377	2.91E-03	3.15E-03	5.02E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.73E-06	7.87E-07	1.26E-06	0.00E+00	0.00E+00	3.24E-07	6.46E-08	4.10E-07	6.32E-08	9.72E-08	9.59E-07
4042	494863.1	3854377	2.39E-03	2.58E-03	4.11E-03	8.27E-07	2.50E-06	1.44E-06	1.56E-06	1.41E-06	6.46E-07	1.03E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.36E-07	5.18E-08	7.97E-08	7.86E-07
4043	495363.1	3854377	1.92E-03	2.07E-03	3.30E-03	6.64E-07	2.00E-06	1.16E-06	1.25E-06	1.14E-06	5.18E-07	8.26E-07	0.00E+00	0.00E+00	2.14E-07	4.25E-08	2.70E-07	4.16E-08	6.40E-08	6.32E-07
4044	495863.1	3854377	1.63E-03	1.76E-03	2.80E-03	5.63E-07	1.70E-06	9.84E-07	1.06E-06	9.63E-07	4.39E-07	7.01E-07	0.00E+00	0.00E+00	1.81E-07	3.61E-08	2.29E-07	3.53E-08	5.42E-08	5.35E-07
4045	496363.1	3854377	1.48E-03	1.60E-03	2.56E-03	5.14E-07	1.55E-06	8.98E-07	9.70E-07	8.79E-07	4.01E-07	6.39E-07	0.00E+00	0.00E+00	1.65E-07	3.29E-08	2.09E-07	3.22E-08	4.95E-08	4.89E-07
4046	496863.1	3854377	1.31E-03	1.41E-03	2.25E-03	4.53E-07	1.37E-06	7.92E-07	8.55E-07	7.75E-07	3.54E-07	5.64E-07	0.00E+00	0.00E+00	1.46E-07	2.90E-08	1.84E-07	2.84E-08	4.37E-08	4.31E-07
4047	497363.1	3854377	1.06E-03	1.14E-03	1.82E-03	3.66E-07	1.11E-06	6.40E-07	6.91E-07	6.27E-07	2.86E-07	4.56E-07	0.00E+00	0.00E+00	1.18E-07	2.35E-08	1.49E-07	2.30E-08	3.53E-08	3.48E-07
4048	497863.1	3854377	1.07E-03	1.16E-03	1.85E-03	3.71E-07	1.12E-06	6.49E-07	7.01E-07	6.35E-07	2.90E-07	4.62E-07	0.00E+00	0.00E+00	1.19E-07	2.38E-08	1.51E-07	2.33E-08	3.58E-08	3.53E-07
4049	498363.1	3854377	9.36E-04	1.01E-03	1.61E-03	3.24E-07	9.78E-07	5.66E-07	6.12E-07	5.54E-07	2.53E-07	4.03E-07	0.00E+00	0.00E+00	1.04E-07	2.08E-08	1.32E-07	2.03E-08	3.12E-08	3.08E-07
4050	471363.1	3854877	3.16E-04	3.41E-04	5.42E-04	1.09E-07	3.30E-07	1.91E-07	2.06E-07	1.87E-07	8.54E-08	1.36E-07	0.00E+00	0.00E+00	3.52E-08	7.00E-09	4.44E-08	6.85E-09	1.05E-08	1.04E-07
4051	471863.1	3854877	3.42E-04	3.69E-04	5.86E-04	1.18E-07	3.57E-07	2.07E-07	2.23E-07	2.02E-07	9.24E-08	1.47E-07	0.00E+00	0.00E+00	3.81E-08	7.58E-09	4.81E-08	7.42E-09	1.14E-08	1.13E-07
4052	472363.1	3854877	3.65E-04	3.94E-04	6.26E-04	1.26E-07	3.81E-07	2.21E-07	2.38E-07	2.16E-07	9.86E-08	1.57E-07	0.00E+00	0.00E+00	4.06E-08	8.09E-09	5.13E-08	7.92E-09	1.21E-08	1.20E-07
4053	472863.1	3854877	3.76E-04	4.06E-04	6.45E-04	1.30E-07	3.93E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.61E-07	0.00E+00	0.00E+00	4.19E-08	8.34E-09	5.29E-08	8.16E-09	1.25E-08	1.24E-07
4054	473363.1	3854877	4.13E-04	4.46E-04	7.08E-04	1.43E-07	4.31E-07	2.50E-07	2.70E-07	2.44E-07	1.12E-07	1.77E-07	0.00E+00	0.00E+00	4.59E-08	9.15E-09	5.81E-08	8.96E-09	1.37E-08	1.36E-07
4055	473863.1	3854877	4.50E-04	4.86E-04	7.72E-04	1.56E-07	4.70E-07	2.72E-07	2.94E-07	2.66E-07	1.22E-07	1.93E-07	0.00E+00	0.00E+00	5.01E-08	9.98E-09	6.33E-08	9.76E-09	1.50E-08	1.48E-07
4056	474363.1	3854877	4.98E-04	5.38E-04	8.55E-04	1.72E-07	5.21E-07	3.01E-07	3.25E-07	2.95E-07	1.35E-07	2.14E-07	0.00E+00	0.00E+00	5.55E-08	1.10E-08	7.01E-08	1.08E-08	1.66E-08	1.64E-07
4057	474863.1	3854877	4.18E-04	4.51E-04	7.16E-04	1.45E-07	4.37E-07	2.53E-07	2.73E-07	2.47E-07	1.13E-07	1.79E-07	0.00E+00	0.00E+00	4.65E-08	9.26E-09	5.88E-08	9.06E-09	1.39E-08	1.37E-07
4058	475363.1	3854877	3.35E-04	3.62E-04	5.75E-04	1.16E-07	3.50E-07	2.03E-07	2.19E-07	1.98E-07	9.06E-08	1.44E-07	0.00E+00	0.00E+00	3.73E-08	7.43E-09	4.72E-08	7.27E-09	1.11E-08	1.10E-07
4059	475863.1	3854877	2.69E-04	2.90E-04	4.61E-04	9.30E-08	2.81E-07	1.63E-07	1.75E-07	1.59E-07	7.26E-08	1.15E-07	0.00E+00	0.00E+00	2.99E-08	5.96E-09	3.78E-08	5.83E-09	8.94E-09	8.84E-08
4060	476363.1	3854877	1.94E-04	2.09E-04	3.34E-04	6.71E-08	2.02E-07	1.17E-07	1.27E-07	1.15E-07	5.24E-08	8.36E-08	0.00E+00	0.00E+00	2.16E-08	4.30E-09	2.73E-08	4.21E-09	6.47E-09	6.38E-08
4061	476863.1	3854877	1.96E-04	2.12E-04	3.39E-04	6.80E-08	2.05E-07	1.19E-07	1.28E-07	1.16E-07	5.31E-08	8.48E-08	0.00E+00	0.00E+00	2.19E-08	4.36E-09	2.76E-08	4.26E-09	6.57E-09	6.47E-08
4062	477363.1	3854877	2.37E-04	2.55E-04	4.08E-04	8.19E-08	2.47E-07	1.43E-07	1.55E-07	1.40E-07	6.39E-08	1.02E-07	0.00E+00	0.00E+00	2.63E-08	5.25E-09	3.33E-08	5.13E-09	7.90E-09	7.79E-08
4063	477863.1	3854877	2.77E-04	2.99E-04	4.77E-04	9.59E-08	2.89E-07	1.68E-07	1.81E-07	1.64E-07	7.49E-08	1.19E-07	0.00E+00	0.00E+00	3.08E-08	6.14E-09	3.90E-08	6.01E-09	9.24E-09	9.12E-08
4064	478363.1	3854877	3.66E-04	3.96E-04	6.30E-04	1.27E-07	3.83E-07	2.22E-07	2.39E-07	2.17E-07	9.90E-08	1.58E-07	0.00E+00	0.00E+00	4.08E-08	8.13E-09	5.16E-08	7.95E-09	1.22E-08	1.21E-07
4065	478863.1	3854877	5.14E-04	5.54E-04	8.81E-04	1.78E-07	5.37E-07	3.11E-07	3.35E-07	3.04E-07	1.39E-07	2.20E-07	0.00E+00	0.00E+00	5.72E-08	1.14E-08	7.23E-08	1.11E-08	1.71E-08	1.69E-07
4066	479363.1	3854877	7.25E-04	7.83E-04	1.24E-03	2.51E-07	7.58E-07	4.39E-07	4.74E-07	4.29E-07	1.96E-07	3.11E-07	0.00E+00	0.00E+00	8.07E-08	1.61E-08	1.02E-07	1.57E-08	2.41E-08	2.39E-07
4067	479863.1	3854877	1.02E-03	1.10E-03	1.74E-03	3.53E-07	1.07E-06	6.17E-07	6.66E-07	6.03E-07	2.75E-07	4.36E-07	0.00E+00	0.00E+00	1.14E-07	2.26E-08	1.43E-07	2.21E-08	3.37E-08	3.35E-07
4068	480363.1	3854877	1.38E-03	1.49E-03	2.35E-03	4.78E-07	1.44E-06	8.36E-07	9.02E-07	8.17E-07	3.73E-07	5.89E-07	0.00E+00	0.00E+00	1.54E-07	3.06E-08	1.94E-07	2.99E-08	4.56E-08	4.54E-07
4069	480863.1	3854877	2.24E-03	2.42E-03	3.82E-03	7.76E-07	2.34E-06	1.36E-06	1.46E-06	1.33E-06	6.05E-07	9.57E-07	0.00E+00	0.00E+00	2.49E-07	4.97E-08	3.15E-07	4.86E-08	7.41E-08	7.37E-07
4070	481363.1	3854877	3.19E-03	3.44E-03	5.44E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.89E-06	8.60E-07	1.36E-06	0.00E+00	0.00E+00	3.55E-07	7.06E-08	4.48E-07	6.91E-08	1.06E-07	1.05E-06
4071	481863.1	3854877	3.55E-03	3.83E-03	6.04E-03	1.23E-06	3.71E-06	2.15E-06	2.32E-06	2.10E-06	9.58E-07	1.51E-06	0.00E+00	0.00E+00	3.95E-07	7.86E-08	4.99E-07	7.69E-08	1.17E-07	1.17E-06
4072	482363.1	3854877	9.14E-03	9.88E-03	1.59E-02	3.16E-06	9.55E-06	5.53E-06	5.98E-06	5.42E-06	2.47E-06	3.97E-06	0.00E+00	0.00E+00	1.02E-06	2.03E-07	1.29E-06	1.98E-07	3.07E-07	3.01E-06
4073	482863.1	3854877	1.88E-02	2.03E-02	3.27E-02	6.50E-06	1.96E-05	1.14E-05	1.23E-05	1.11E-05	5.08E-06	8.18E-06	0.00E+00	0.00E+00	2.09E-06	4.17E-07	2.65E-06	4.08E-07	6.34E-07	6.20E-06
4074	483363.1	3854877	1.06E-01	1.15E-01	1.90E-01	3.68E-05	1.11E-04	6.44E-05	6.99E-05	6.33E-05	2.89E-05	4.75E-05	0.00E+00	0.00E+00	1.18E-05	2.37E-06	1.50E-05	2.32E-06	3.68E-06	3.53E-05
4075	483863.1	3854877	9.44E-02	1.01E-01	1.55E-01	3.27E-05	9.87E-05	5.71E-05	6.13E-05	5.56E-05	2.54E-05	3.87E-05	0.00E+00	0.00E+00	1.05E-05	2.08E-06	1.32E-05	2.04E-06	2.99E-06	3.08E-05
4076	484363.1	3854877	3.09E-02	3.32E-02	5.14E-02	1.07E-05	3.23E-05	1.87E-05	2.01E-05	1.82E-05	8.32E-06	1.29E-05	0.00E+00	0.00E+00	3.44E-06	6.82E-07	4.33E-06	6.68E-07	9.95E-07	1.01E-05
4077	484863.1	3854877	1.95E-02	2.10E-02	3.29E-02	6.76E-06	2.04E-05	1.18E-05	1.27E-05	1.15E-05	5.26E-06	8.22E-06	0.00E+00	0.00E+00	2.17E-06	4.32E-07	2.74E-06	4.22E-07	6.37E-07	6.40E-06
4078	485363.1	3854877	1.45E-02	1.57E-02	2.46E-02	5.03E-06	1.52E-05	8.80E-06	9.48E-06	8.59E-06	3.92E-06	6.15E-06	0.00E+00	0.00E+00	1.62E-06	3.22E-07	2.04E-06	3.15E-07	4.77E-07	4.77E-06
4079	485863.1	3854877	1.13E-02	1.22E-02	1.91E-02	3.91E-06	1.18E-05	6.83E-06	7.36E-06	6.67E-06	3.04E-06	4.79E-06	0.00E+00	0.00E+00	1.26E-06	2.50E-07	1.59E-06	2.44E-07	3.71E-07	3.71E-06
4080	486363.1	3854877	9.20E-03	9.92E-03	1.57E-02	3.19E-06	9.62E-06	5.57E-06	6.00E-06	5.44E-06	2.48E-06	3.92E-06	0.00E+00	0.00E+00	1.02E-06	2.04E-07	1.29E-06	1.99E-07	3.03E-07	3.02E-06
4081	486863.1	3854877	7.95E-03	8.58E-03	1.35E-02	2.75E-06	8.31E-06	4.81E-06	5.19E-06	4.70E-06	2.15E-06	3.39E-06	0.00E+00	0.00E+00	8.85E-07	1.76E-07	1.12E-06	1.72E-07	2.63E-07	2.61E-06
4082	487363.1	3854877	7.63E-03	8.24E-03	1.30E-02	2.64E-06	7.98E-06	4.62E-06	4.98E-06	4.52E-06	2.06E-06	3.26E-06	0.00E+00	0.00E+00	8.50E-07	1.69E-07	1.07E-06	1.66E-07	2.52E-07	2.51E-06
4083	487863.1	3854877	7.35E-03	7.93E-03	1.26E-02	2.55E-06	7.69E-06	4.45E-06	4.80E-06	4.35E-06	1.99E-06	3.14E-06	0.00E+00	0.00E+00	8.19E-07	1.63E-07	1.03E-06	1.59E-07	2.43E-07	2.42E-06
4084	488363.1	3854877	7.13E-03	7.69E-03	1.22E-02	2.47E-06	7.45E-06	4.31E-06	4.65E-06	4.22E-06	1.92E-06	3.05E-06	0.00E+00	0.00E+00	7.93E-07	1.58E-07	1.00E-06	1.55E-07	2.36E-07	2.34E-06
4085	488863.1	3854877	6.98E-03	7.53E-03	1.20E-02	2.42E-06	7.30E-06	4.22E-06	4.56E-06	4.13E-06	1.89E-06	3.00E-06	0.00E+00	0.00E+00	7.77E-07	1.55E-07	9.82E-07	1.51E-07	2.32E-07	2.30E-06
4086	489363.1	3854877	6.61E-03	7.14E-03	1.14E-02	2.29E-06	6.91E-06	4.00E-06	4.32E-06	3.92E-06	1.79E-06	2.84E-06	0.00E+00	0.00E+00	7.36E-07	1.47E-07	9.30E-07	1.43E-07	2.20E-07	2.18E-06
4087	489863.1	3854877	5.97E-03	6.45E-03	1.03E-02	2.07E-06	6.24E-06	3.61E-06	3.90E-06	3.54E-06	1.61E-06	2.57E-06	0.00E+00	0.00E+00	6.65E-07	1.32E-07	8.40E-07	1.30E-07	1.99E-07	1.97E-06
4088	490363.1	3854877	4.50E-03	4.86E-03	7.72E-03	1.56E-06	4.71E-06	2.72E-06	2.94E-06	2.67E-06	1.22E-06	1.93E-06	0.00E+00	0.00E+00	5.01E-07	9.98E-08	6.33E-07	9.77E-08	1.50E-07	1.48E-06
4089	490863.1	3854877	3.29E-03	3.55E-03	5.64E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.89E-07	1.41E-06	0.00E+00	0.00E+00	3.66E-07	7.29E-08	4.63E-07	7.14E-08	1.09E-07	1.08E-06
4090	491363.1	3854877	3.46E-03	3.74E-03	5.94E-03	1.20E-06	3.62E-06	2.10E-06	2.26E-06	2.05E-06	9.36E-07	1.49E-06	0.00E+00	0.00E+00	3.85E-07	7.68E-08	4.87E-07	7.51E-08	1.15E-07	1.14E-06
4091	491863.1	3854877	4.80E-03	5.18E-03	8.26E-03	1.66E-06	5.02E-06	2.90E-06	3.14E-06	2.84E-06	1.30E-06	2.07E-06	0.00E+00	0.00E+00	5.34E-07	1.06E-07	6.76E-07	1.04E-07	1.60E-07	1.58E-06
4092	492363.1	3854877	4.70E-03	5.07E-03	8.09E-03	1.63E-06	4.91E-06	2.84E-06	3.07E-06	2.78E-06	1.27E-06	2.03E-06	0.00E+00	0.00E+00	5.23E-07	1.04E-07	6.61E-07	1.02E-07	1.57E-07	1.55E-06
4093	492863.1	3854877	4.38E-03	4.73E-03	7.55E-03	1.52E-06	4.58E-06	2.65E-06	2.86E-06	2.60E-06	1.18E-06	1.89E-06	0.00E+00	0.00E+00	4.88E-07	9.72E-08	6.17E-07	9.51E-08	1.46E-07	1.44E-06
4094	493363.1	3854877	4.01E-03	4.33E-03	6.91E-03	1.39E-06	4.19E-06	2.42E-06	2.62E-06	2.37E-06	1.08E-06	1.73E-06	0.00E+00	0.00E+00	4.46E-07	8.89E-08	5.64E-07	8.70E-08	1.34E-07	1.32E-06
4095	493863.1	3854877	3.70E-03	4.00E-03	6.38E-03	1.28E-06	3.87E-06	2.24E-06	2.42E-06	2.19E-06	1.00E-06	1.60E-06	0.00E+00	0.00E+00	4.12E-07	8.21E-08	5.21E-07	8.03E-08	1.24E-07	1.22E-06
4096	494363.1	3854877	2.86E-03	3.09E-03	4.92E-03	9.90E-07	2.99E-06	1.73E-06	1.87E-06	1.69E-06	7.73E-07	1.23E-06	0.00E+00	0.00E+00	3.18E-07	6.34E-08	4.03E-07	6.21E-08	9.54E-08	9.42E-07
4097	494863.1	3854877	2.13E-03	2.30E-03	3.66E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	9.17E-07	0.00E+00	0.00E+00	2.37E-07	4.72E-08	3.00E-07	4.62E-08	7.10E-08	7.01E-07

4098	495363.1	3854877	1.72E-03	1.86E-03	2.96E-03	5.96E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.65E-07	7.42E-07	0.00E+00	0.00E+00	1.92E-07	3.82E-08	2.42E-07	3.74E-08	5.74E-08	5.67E-07
4099	495863.1	3854877	1.50E-03	1.62E-03	2.58E-03	5.18E-07	1.56E-06	9.06E-07	9.78E-07	8.87E-07	4.05E-07	6.45E-07	0.00E+00	0.00E+00	1.67E-07	3.32E-08	2.11E-07	3.25E-08	4.99E-08	4.93E-07
4100	496363.1	3854877	1.22E-03	1.32E-03	2.11E-03	4.24E-07	1.28E-06	7.41E-07	8.00E-07	7.25E-07	3.31E-07	5.27E-07	0.00E+00	0.00E+00	1.36E-07	2.72E-08	1.72E-07	2.66E-08	4.08E-08	4.03E-07
4101	496863.1	3854877	1.06E-03	1.14E-03	1.82E-03	3.67E-07	1.11E-06	6.41E-07	6.92E-07	6.28E-07	2.86E-07	4.56E-07	0.00E+00	0.00E+00	1.18E-07	2.35E-08	1.49E-07	2.30E-08	3.53E-08	3.49E-07
4102	497363.1	3854877	1.00E-03	1.08E-03	1.72E-03	3.46E-07	1.04E-06	6.05E-07	6.53E-07	5.92E-07	2.70E-07	4.31E-07	0.00E+00	0.00E+00	1.11E-07	2.22E-08	1.41E-07	2.17E-08	3.33E-08	3.29E-07
4103	497863.1	3854877	1.07E-03	1.15E-03	1.84E-03	3.70E-07	1.12E-06	6.47E-07	6.99E-07	6.33E-07	2.89E-07	4.61E-07	0.00E+00	0.00E+00	1.19E-07	2.37E-08	1.51E-07	2.32E-08	3.57E-08	3.52E-07
4104	498363.1	3854877	1.03E-03	1.11E-03	1.77E-03	3.55E-07	1.07E-06	6.21E-07	6.71E-07	6.08E-07	2.78E-07	4.42E-07	0.00E+00	0.00E+00	1.14E-07	2.28E-08	1.45E-07	2.23E-08	3.43E-08	3.38E-07
4105	471363.1	3855377	3.21E-04	3.46E-04	5.50E-04	1.11E-07	3.35E-07	1.94E-07	2.10E-07	1.90E-07	8.67E-08	1.38E-07	0.00E+00	0.00E+00	3.57E-08	7.11E-09	4.51E-08	6.96E-09	1.07E-08	1.06E-07
4106	471863.1	3855377	3.37E-04	3.64E-04	5.78E-04	1.17E-07	3.52E-07	2.04E-07	2.20E-07	1.99E-07	9.10E-08	1.45E-07	0.00E+00	0.00E+00	3.75E-08	7.47E-09	4.74E-08	7.31E-09	1.12E-08	1.11E-07
4107	472363.1	3855377	3.67E-04	3.96E-04	6.29E-04	1.27E-07	3.83E-07	2.22E-07	2.39E-07	2.17E-07	9.90E-08	1.57E-07	0.00E+00	0.00E+00	4.08E-08	8.13E-09	5.16E-08	7.95E-09	1.22E-08	1.21E-07
4108	472863.1	3855377	3.84E-04	4.15E-04	6.59E-04	1.33E-07	4.02E-07	2.33E-07	2.51E-07	2.28E-07	1.04E-07	1.65E-07	0.00E+00	0.00E+00	4.28E-08	8.52E-09	5.41E-08	8.34E-09	1.28E-08	1.27E-07
4109	473363.1	3855377	4.28E-04	4.62E-04	7.35E-04	1.48E-07	4.48E-07	2.59E-07	2.80E-07	2.54E-07	1.16E-07	1.84E-07	0.00E+00	0.00E+00	4.77E-08	9.50E-09	6.03E-08	9.29E-09	1.42E-08	1.41E-07
4110	473863.1	3855377	4.67E-04	5.05E-04	8.02E-04	1.62E-07	4.89E-07	2.83E-07	3.05E-07	2.77E-07	1.26E-07	2.01E-07	0.00E+00	0.00E+00	5.20E-08	1.04E-08	6.58E-08	1.01E-08	1.55E-08	1.54E-07
4111	474363.1	3855377	5.03E-04	5.43E-04	8.64E-04	1.74E-07	5.26E-07	3.05E-07	3.29E-07	2.98E-07	1.36E-07	2.16E-07	0.00E+00	0.00E+00	5.60E-08	1.12E-08	7.08E-08	1.09E-08	1.67E-08	1.66E-07
4112	474863.1	3855377	4.33E-04	4.67E-04	7.43E-04	1.50E-07	4.53E-07	2.62E-07	2.83E-07	2.56E-07	1.17E-07	1.86E-07	0.00E+00	0.00E+00	4.82E-08	9.60E-09	6.09E-08	9.39E-09	1.44E-08	1.43E-07
4113	475363.1	3855377	2.31E-04	2.49E-04	3.96E-04	7.99E-08	2.41E-07	1.40E-07	1.51E-07	1.37E-07	6.24E-08	9.92E-08	0.00E+00	0.00E+00	2.57E-08	5.12E-09	3.25E-08	5.01E-09	7.68E-09	7.60E-08
4114	475863.1	3855377	1.87E-04	2.02E-04	3.22E-04	6.48E-08	1.96E-07	1.13E-07	1.22E-07	1.11E-07	5.06E-08	8.05E-08	0.00E+00	0.00E+00	2.08E-08	4.15E-09	2.63E-08	4.06E-09	6.23E-09	6.16E-08
4115	476363.1	3855377	2.19E-04	2.36E-04	3.76E-04	7.57E-08	2.29E-07	1.32E-07	1.43E-07	1.30E-07	5.91E-08	9.41E-08	0.00E+00	0.00E+00	2.44E-08	4.85E-09	3.08E-08	4.75E-09	7.28E-09	7.20E-08
4116	476863.1	3855377	2.19E-04	2.37E-04	3.76E-04	7.58E-08	2.29E-07	1.33E-07	1.43E-07	1.30E-07	5.92E-08	9.42E-08	0.00E+00	0.00E+00	2.44E-08	4.86E-09	3.08E-08	4.75E-09	7.30E-09	7.21E-08
4117	477363.1	3855377	2.45E-04	2.65E-04	4.21E-04	8.48E-08	2.56E-07	1.48E-07	1.60E-07	1.45E-07	6.62E-08	1.05E-07	0.00E+00	0.00E+00	2.73E-08	5.43E-09	3.45E-08	5.32E-09	8.16E-09	8.07E-08
4118	477863.1	3855377	3.15E-04	3.40E-04	5.41E-04	1.09E-07	3.30E-07	1.91E-07	2.06E-07	1.87E-07	8.52E-08	1.35E-07	0.00E+00	0.00E+00	3.51E-08	6.99E-09	4.44E-08	6.84E-09	1.05E-08	1.04E-07
4119	478363.1	3855377	4.06E-04	4.38E-04	6.96E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.41E-07	1.10E-07	1.74E-07	0.00E+00	0.00E+00	4.52E-08	9.01E-09	5.71E-08	8.81E-09	1.35E-08	1.34E-07
4120	478863.1	3855377	5.15E-04	5.56E-04	8.82E-04	1.78E-07	5.38E-07	3.12E-07	3.36E-07	3.05E-07	1.39E-07	2.21E-07	0.00E+00	0.00E+00	5.73E-08	1.14E-08	7.24E-08	1.12E-08	1.71E-08	1.69E-07
4121	479363.1	3855377	6.98E-04	7.54E-04	1.19E-03	2.42E-07	7.30E-07	4.23E-07	4.56E-07	4.13E-07	1.89E-07	2.99E-07	0.00E+00	0.00E+00	7.77E-08	1.55E-08	9.82E-08	1.51E-08	2.32E-08	2.30E-07
4122	479863.1	3855377	9.27E-04	1.00E-03	1.58E-03	3.21E-07	9.69E-07	5.61E-07	6.05E-07	5.49E-07	2.50E-07	3.96E-07	0.00E+00	0.00E+00	1.03E-07	2.05E-08	1.30E-07	2.01E-08	3.07E-08	3.05E-07
4123	480363.1	3855377	1.43E-03	1.55E-03	2.44E-03	4.96E-07	1.50E-06	8.67E-07	9.35E-07	8.48E-07	3.87E-07	6.11E-07	0.00E+00	0.00E+00	1.60E-07	3.17E-08	2.01E-07	3.11E-08	4.73E-08	4.71E-07
4124	480863.1	3855377	2.47E-03	2.67E-03	4.22E-03	8.55E-07	2.58E-06	1.50E-06	1.61E-06	1.46E-06	6.67E-07	1.06E-06	0.00E+00	0.00E+00	2.75E-07	5.48E-08	3.47E-07	5.36E-08	8.18E-08	8.13E-07
4125	481363.1	3855377	4.05E-03	4.38E-03	6.95E-03	1.40E-06	4.24E-06	2.45E-06	2.65E-06	2.40E-06	1.10E-06	1.74E-06	0.00E+00	0.00E+00	4.51E-07	8.99E-08	5.70E-07	8.79E-08	1.35E-07	1.33E-06
4126	481863.1	3855377	5.87E-03	6.34E-03	1.01E-02	2.03E-06	6.14E-06	3.55E-06	3.84E-06	3.48E-06	1.59E-06	2.53E-06	0.00E+00	0.00E+00	6.53E-07	1.30E-07	8.26E-07	1.27E-07	1.96E-07	1.93E-06
4127	482363.1	3855377	7.99E-03	8.63E-03	1.37E-02	2.77E-06	8.35E-06	4.84E-06	5.22E-06	4.73E-06	2.16E-06	3.44E-06	0.00E+00	0.00E+00	8.90E-07	1.77E-07	1.12E-06	1.73E-07	2.66E-07	2.63E-06
4128	482863.1	3855377	1.21E-02	1.30E-02	2.06E-02	4.17E-06	1.26E-05	7.30E-06	7.88E-06	7.14E-06	3.26E-06	5.17E-06	0.00E+00	0.00E+00	1.34E-06	2.67E-07	1.70E-06	2.62E-07	4.00E-07	3.97E-06
4129	483363.1	3855377	2.02E-02	2.18E-02	3.42E-02	7.00E-06	2.11E-05	1.22E-05	1.32E-05	1.20E-05	5.45E-06	8.57E-06	0.00E+00	0.00E+00	2.25E-06	4.48E-07	2.84E-06	4.38E-07	6.64E-07	6.64E-06
4130	483863.1	3855377	8.45E-02	9.11E-02	1.43E-01	2.93E-05	8.84E-05	5.12E-05	5.51E-05	5.00E-05	2.28E-05	3.59E-05	0.00E+00	0.00E+00	9.41E-06	1.87E-06	1.19E-05	1.83E-06	2.78E-06	2.78E-05
4131	484363.1	3855377	1.19E-01	1.27E-01	1.95E-01	4.11E-05	1.24E-04	7.18E-05	7.71E-05	6.99E-05	3.19E-05	4.88E-05	0.00E+00	0.00E+00	1.32E-05	2.62E-06	1.66E-05	2.56E-06	3.78E-06	3.88E-05
4132	484863.1	3855377	5.39E-02	5.80E-02	9.01E-02	1.86E-05	5.63E-05	3.26E-05	3.51E-05	3.18E-05	1.45E-05	2.25E-05	0.00E+00	0.00E+00	5.99E-06	1.19E-06	7.55E-06	1.16E-06	1.75E-06	1.76E-05
4133	485363.1	3855377	3.11E-02	3.35E-02	5.24E-02	1.08E-05	3.25E-05	1.88E-05	2.03E-05	1.84E-05	8.39E-06	1.31E-05	0.00E+00	0.00E+00	3.46E-06	6.88E-07	4.37E-06	6.73E-07	1.02E-06	1.02E-05
4134	485863.1	3855377	2.21E-02	2.39E-02	3.75E-02	7.66E-06	2.31E-05	1.34E-05	1.44E-05	1.31E-05	5.97E-06	9.38E-06	0.00E+00	0.00E+00	2.46E-06	4.90E-07	3.11E-06	4.79E-07	7.26E-07	7.27E-06
4135	486363.1	3855377	1.61E-02	1.74E-02	2.74E-02	5.58E-06	1.69E-05	9.76E-06	1.05E-05	9.54E-06	4.35E-06	6.85E-06	0.00E+00	0.00E+00	1.80E-06	3.57E-07	2.27E-06	3.49E-07	5.30E-07	5.30E-06
4136	486863.1	3855377	1.27E-02	1.37E-02	2.16E-02	4.39E-06	1.32E-05	7.67E-06	8.27E-06	7.49E-06	3.42E-06	5.40E-06	0.00E+00	0.00E+00	1.41E-06	2.81E-07	1.78E-06	2.75E-07	4.18E-07	4.16E-06
4137	487363.1	3855377	1.18E-02	1.27E-02	2.01E-02	4.08E-06	1.23E-05	7.14E-06	7.70E-06	6.98E-06	3.19E-06	5.04E-06	0.00E+00	0.00E+00	1.31E-06	2.61E-07	1.66E-06	2.56E-07	3.90E-07	3.88E-06
4138	487863.1	3855377	1.10E-02	1.19E-02	1.89E-02	3.81E-06	1.15E-05	6.66E-06	7.19E-06	6.52E-06	2.97E-06	4.72E-06	0.00E+00	0.00E+00	1.23E-06	2.44E-07	1.55E-06	2.39E-07	3.65E-07	3.62E-06
4139	488363.1	3855377	1.03E-02	1.12E-02	1.78E-02	3.58E-06	1.08E-05	6.26E-06	6.76E-06	6.13E-06	2.80E-06	4.44E-06	0.00E+00	0.00E+00	1.15E-06	2.29E-07	1.46E-06	2.24E-07	3.44E-07	3.41E-06
4140	488863.1	3855377	9.71E-03	1.05E-02	1.67E-02	3.36E-06	1.01E-05	5.87E-06	6.34E-06	5.75E-06	2.62E-06	4.17E-06	0.00E+00	0.00E+00	1.08E-06	2.15E-07	1.37E-06	2.11E-07	3.23E-07	3.20E-06
4141	489363.1	3855377	8.97E-03	9.69E-03	1.54E-02	3.11E-06	9.38E-06	5.43E-06	5.86E-06	5.31E-06	2.42E-06	3.86E-06	0.00E+00	0.00E+00	9.99E-07	1.99E-07	1.26E-06	1.95E-07	2.99E-07	2.95E-06
4142	489863.1	3855377	8.10E-03	8.75E-03	1.39E-02	2.81E-06	8.47E-06	4.90E-06	5.30E-06	4.80E-06	2.19E-06	3.49E-06	0.00E+00	0.00E+00	9.02E-07	1.80E-07	1.14E-06	1.76E-07	2.70E-07	2.67E-06
4143	490363.1	3855377	7.69E-03	8.31E-03	1.32E-02	2.66E-06	8.04E-06	4.65E-06	5.03E-06	4.56E-06	2.08E-06	3.31E-06	0.00E+00	0.00E+00	8.56E-07	1.71E-07	1.08E-06	1.67E-07	2.57E-07	2.53E-06
4144	490863.1	3855377	4.98E-03	5.37E-03	8.54E-03	1.72E-06	5.20E-06	3.01E-06	3.25E-06	2.95E-06	1.34E-06	2.14E-06	0.00E+00	0.00E+00	5.54E-07	1.10E-07	7.00E-07	1.08E-07	1.66E-07	1.64E-06
4145	491363.1	3855377	4.24E-03	4.57E-03	7.27E-03	1.47E-06	4.43E-06	2.56E-06	2.77E-06	2.51E-06	1.14E-06	1.82E-06	0.00E+00	0.00E+00	4.72E-07	9.39E-08	5.96E-07	9.19E-08	1.41E-07	1.39E-06
4146	491863.1	3855377	5.90E-03	6.38E-03	1.02E-02	2.04E-06	6.17E-06	3.57E-06	3.86E-06	3.50E-06	1.60E-06	2.55E-06	0.00E+00	0.00E+00	6.57E-07	1.31E-07	8.31E-07	1.28E-07	1.97E-07	1.94E-06
4147	492363.1	3855377	5.64E-03	6.09E-03	9.72E-03	1.95E-06	5.89E-06	3.41E-06	3.69E-06	3.34E-06	1.52E-06	2.43E-06	0.00E+00	0.00E+00	6.28E-07	1.25E-07	7.94E-07	1.22E-07	1.88E-07	1.86E-06
4148	492863.1	3855377	5.16E-03	5.58E-03	8.90E-03	1.79E-06	5.39E-06	3.12E-06	3.37E-06	3.06E-06	1.40E-06	2.23E-06	0.00E+00	0.00E+00	5.75E-07	1.15E-07	7.27E-07	1.12E-07	1.73E-07	1.70E-06
4149	493363.1	3855377	4.46E-03	4.82E-03	7.69E-03	1.55E-06	4.67E-06	2.70E-06	2.92E-06	2.64E-06	1.21E-06	1.93E-06	0.00E+00	0.00E+00	4.97E-07	9.90E-08	6.28E-07	9.69E-08	1.49E-07	1.47E-06
4150	493863.1	3855377	3.45E-03	3.72E-03	5.93E-03	1.19E-06	3.60E-06	2.09E-06	2.25E-06	2.04E-06	9.32E-07	1.49E-06	0.00E+00	0.00E+00	3.84E-07	7.65E-08	4.85E-07	7.48E-08	1.15E-07	1.14E-06
4151	494363.1	3855377	2.57E-03	2.78E-03	4.43E-03	8.90E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.70E-08	3.62E-07	5.58E-08	8.58E-08	8.47E-07
4152	494863.1	3855377	1.91E-03	2.07E-03	3.29E-03	6.63E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.17E-07	8.24E-07	0.00E+00	0.00E+00	2.13E-07	4.25E-08	2.69E-07	4.15E-08	6.38E-08	6.30E-07
4153	495363.1	3855377	1.51E-03	1.63E-03	2.59E-03	5.21E-07	1.57E-06	9.11E-07	9.84E-07	8.92E-07	4.07E-07	6.48E-07	0.00E+00	0.00E+00	1.68E-07	3.34E-08	2.12E-07	3.27E-08	5.02E-08	4.96E-07
4154	495863.1	3855377	1.25E-03	1.35E-03	2.14E-03	4.31E-07	1.30E-06	7.54E-07	8.14E-07	7.38E-07	3.37E-07	5.36E-07	0.00E+00	0.00E+00	1.39E-07	2.76E-08	1.75E-07	2.70E-08	4.15E-08	4.10E-07

4155	496363.1	3855377	1.17E-03	1.26E-03	2.01E-03	4.04E-07	1.22E-06	7.07E-07	7.63E-07	6.92E-07	3.16E-07	5.03E-07	0.00E+00	0.00E+00	1.30E-07	2.59E-08	1.64E-07	2.53E-08	3.89E-08	3.85E-07
4156	496863.1	3855377	1.11E-03	1.20E-03	1.91E-03	3.84E-07	1.16E-06	6.71E-07	7.25E-07	6.57E-07	3.00E-07	4.78E-07	0.00E+00	0.00E+00	1.24E-07	2.46E-08	1.56E-07	2.41E-08	3.70E-08	3.65E-07
4157	497363.1	3855377	1.09E-03	1.18E-03	1.88E-03	3.78E-07	1.14E-06	6.61E-07	7.14E-07	6.48E-07	2.95E-07	4.71E-07	0.00E+00	0.00E+00	1.22E-07	2.42E-08	1.54E-07	2.37E-08	3.64E-08	3.60E-07
4158	497863.1	3855377	1.12E-03	1.21E-03	1.92E-03	3.87E-07	1.17E-06	6.77E-07	7.31E-07	6.63E-07	3.02E-07	4.82E-07	0.00E+00	0.00E+00	1.25E-07	2.48E-08	1.57E-07	2.43E-08	3.73E-08	3.68E-07
4159	498363.1	3855377	1.16E-03	1.25E-03	1.99E-03	4.00E-07	1.21E-06	6.99E-07	7.55E-07	6.84E-07	3.12E-07	4.98E-07	0.00E+00	0.00E+00	1.29E-07	2.56E-08	1.63E-07	2.51E-08	3.85E-08	3.80E-07
4160	471363.1	3855877	3.30E-04	3.56E-04	5.66E-04	1.14E-07	3.45E-07	2.00E-07	2.16E-07	1.95E-07	8.92E-08	1.42E-07	0.00E+00	0.00E+00	3.67E-08	7.32E-09	4.64E-08	7.16E-09	1.10E-08	1.09E-07
4161	471863.1	3855877	3.46E-04	3.74E-04	5.93E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.35E-08	1.49E-07	0.00E+00	0.00E+00	3.85E-08	7.68E-09	4.87E-08	7.51E-09	1.15E-08	1.14E-07
4162	472363.1	3855877	3.84E-04	4.14E-04	6.58E-04	1.33E-07	4.01E-07	2.32E-07	2.51E-07	2.27E-07	1.04E-07	1.65E-07	0.00E+00	0.00E+00	4.27E-08	8.50E-09	5.40E-08	8.32E-09	1.27E-08	1.26E-07
4163	472863.1	3855877	3.94E-04	4.25E-04	6.74E-04	1.36E-07	4.11E-07	2.38E-07	2.57E-07	2.33E-07	1.06E-07	1.69E-07	0.00E+00	0.00E+00	4.38E-08	8.72E-09	5.54E-08	8.54E-09	1.31E-08	1.30E-07
4164	473363.1	3855877	4.45E-04	4.80E-04	7.63E-04	1.54E-07	4.65E-07	2.69E-07	2.91E-07	2.64E-07	1.20E-07	1.91E-07	0.00E+00	0.00E+00	4.95E-08	9.87E-09	6.26E-08	9.66E-09	1.48E-08	1.46E-07
4165	473863.1	3855877	4.87E-04	5.25E-04	8.33E-04	1.68E-07	5.09E-07	2.94E-07	3.18E-07	2.88E-07	1.31E-07	2.09E-07	0.00E+00	0.00E+00	5.42E-08	1.08E-08	6.84E-08	1.06E-08	1.62E-08	1.60E-07
4166	474363.1	3855877	5.16E-04	5.56E-04	8.83E-04	1.78E-07	5.39E-07	3.12E-07	3.37E-07	3.05E-07	1.39E-07	2.21E-07	0.00E+00	0.00E+00	5.74E-08	1.14E-08	7.25E-08	1.12E-08	1.71E-08	1.70E-07
4167	474863.1	3855877	4.10E-04	4.43E-04	7.02E-04	1.42E-07	4.29E-07	2.48E-07	2.68E-07	2.43E-07	1.11E-07	1.76E-07	0.00E+00	0.00E+00	4.57E-08	9.09E-09	5.77E-08	8.90E-09	1.36E-08	1.35E-07
4168	475363.1	3855877	2.74E-04	2.95E-04	4.69E-04	9.47E-08	2.86E-07	1.66E-07	1.79E-07	1.62E-07	7.39E-08	1.17E-07	0.00E+00	0.00E+00	3.05E-08	6.07E-09	3.85E-08	5.94E-09	9.08E-09	9.00E-08
4169	475863.1	3855877	1.43E-04	1.54E-04	2.46E-04	4.95E-08	1.49E-07	8.65E-08	9.34E-08	8.46E-08	3.86E-08	6.15E-08	0.00E+00	0.00E+00	1.59E-08	3.17E-09	2.01E-08	3.10E-09	4.76E-09	4.70E-08
4170	476363.1	3855877	1.54E-04	1.67E-04	2.66E-04	5.35E-08	1.61E-07	9.34E-08	1.01E-07	9.15E-08	4.17E-08	6.65E-08	0.00E+00	0.00E+00	1.72E-08	3.42E-09	2.17E-08	3.35E-09	5.15E-09	5.08E-08
4171	476863.1	3855877	2.22E-04	2.39E-04	3.80E-04	7.67E-08	2.32E-07	1.34E-07	1.45E-07	1.31E-07	5.99E-08	9.52E-08	0.00E+00	0.00E+00	2.47E-08	4.91E-09	3.12E-08	4.81E-09	7.37E-09	7.29E-08
4172	477363.1	3855877	2.66E-04	2.88E-04	4.57E-04	9.22E-08	2.78E-07	1.61E-07	1.74E-07	1.58E-07	7.20E-08	1.14E-07	0.00E+00	0.00E+00	2.97E-08	5.91E-09	3.75E-08	5.78E-09	8.85E-09	8.77E-08
4173	477863.1	3855877	3.29E-04	3.55E-04	5.64E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.89E-08	1.41E-07	0.00E+00	0.00E+00	3.66E-08	7.29E-09	4.63E-08	7.14E-09	1.09E-08	1.08E-07
4174	478363.1	3855877	4.14E-04	4.47E-04	7.08E-04	1.43E-07	4.33E-07	2.50E-07	2.70E-07	2.45E-07	1.12E-07	1.77E-07	0.00E+00	0.00E+00	4.61E-08	9.17E-09	5.82E-08	8.97E-09	1.37E-08	1.36E-07
4175	478863.1	3855877	5.51E-04	5.94E-04	9.41E-04	1.91E-07	5.76E-07	3.33E-07	3.60E-07	3.26E-07	1.49E-07	2.36E-07	0.00E+00	0.00E+00	6.13E-08	1.22E-08	7.74E-08	1.19E-08	1.82E-08	1.81E-07
4176	479363.1	3855877	7.59E-04	8.18E-04	1.30E-03	2.63E-07	7.93E-07	4.59E-07	4.95E-07	4.49E-07	2.05E-07	3.24E-07	0.00E+00	0.00E+00	8.44E-08	1.68E-08	1.07E-07	1.64E-08	2.51E-08	2.49E-07
4177	479863.1	3855877	1.03E-03	1.11E-03	1.76E-03	3.57E-07	1.08E-06	6.24E-07	6.73E-07	6.10E-07	2.79E-07	4.40E-07	0.00E+00	0.00E+00	1.15E-07	2.29E-08	1.45E-07	2.24E-08	3.41E-08	3.39E-07
4178	480363.1	3855877	1.52E-03	1.64E-03	2.59E-03	5.26E-07	1.59E-06	9.20E-07	9.92E-07	8.99E-07	4.10E-07	6.48E-07	0.00E+00	0.00E+00	1.69E-07	3.37E-08	2.14E-07	3.30E-08	5.02E-08	5.00E-07
4179	480863.1	3855877	2.39E-03	2.58E-03	4.08E-03	8.28E-07	2.50E-06	1.45E-06	1.56E-06	1.41E-06	6.45E-07	1.02E-06	0.00E+00	0.00E+00	2.66E-07	5.30E-08	3.36E-07	5.18E-08	7.90E-08	7.86E-07
4180	481363.1	3855877	2.76E-03	2.97E-03	4.69E-03	9.55E-07	2.88E-06	1.67E-06	1.80E-06	1.63E-06	7.44E-07	1.17E-06	0.00E+00	0.00E+00	3.07E-07	6.11E-08	3.88E-07	5.98E-08	9.09E-08	9.06E-07
4181	481863.1	3855877	5.33E-03	5.76E-03	9.13E-03	1.85E-06	5.58E-06	3.23E-06	3.48E-06	3.16E-06	1.44E-06	2.28E-06	0.00E+00	0.00E+00	5.94E-07	1.18E-07	7.50E-07	1.16E-07	1.77E-07	1.75E-06
4182	482363.1	3855877	6.83E-03	7.37E-03	1.17E-02	2.36E-06	7.14E-06	4.13E-06	4.46E-06	4.04E-06	1.84E-06	2.92E-06	0.00E+00	0.00E+00	7.60E-07	1.51E-07	9.60E-07	1.48E-07	2.26E-07	2.25E-06
4183	482863.1	3855877	9.19E-03	9.91E-03	1.57E-02	3.18E-06	9.60E-06	5.56E-06	6.00E-06	5.44E-06	2.48E-06	3.92E-06	0.00E+00	0.00E+00	1.02E-06	2.04E-07	1.29E-06	1.99E-07	3.03E-07	3.02E-06
4184	483363.1	3855877	1.28E-02	1.38E-02	2.17E-02	4.44E-06	1.34E-05	7.75E-06	8.36E-06	7.58E-06	3.46E-06	5.43E-06	0.00E+00	0.00E+00	1.43E-06	2.84E-07	1.80E-06	2.78E-07	4.21E-07	4.21E-06
4185	483863.1	3855877	1.96E-02	2.12E-02	3.30E-02	6.80E-06	2.05E-05	1.19E-05	1.28E-05	1.16E-05	5.29E-06	8.27E-06	0.00E+00	0.00E+00	2.19E-06	4.34E-07	2.76E-06	4.25E-07	6.40E-07	6.44E-06
4186	484363.1	3855877	5.38E-02	5.78E-02	8.85E-02	1.86E-05	5.62E-05	3.25E-05	3.50E-05	3.17E-05	1.45E-05	2.21E-05	0.00E+00	0.00E+00	5.99E-06	1.19E-06	7.53E-06	1.16E-06	1.71E-06	1.76E-05
4187	484863.1	3855877	1.57E-01	1.69E-01	2.69E-01	5.42E-05	1.64E-04	9.48E-05	1.02E-04	9.28E-05	4.23E-05	6.73E-05	0.00E+00	0.00E+00	1.74E-05	3.47E-06	2.20E-05	3.40E-06	5.21E-06	5.16E-05
4188	485363.1	3855877	7.01E-02	7.57E-02	1.20E-01	2.43E-05	7.33E-05	4.24E-05	4.58E-05	4.15E-05	1.90E-05	3.01E-05	0.00E+00	0.00E+00	7.81E-06	1.56E-06	9.87E-06	1.52E-06	2.33E-06	2.31E-05
4189	485863.1	3855877	3.84E-02	4.14E-02	6.58E-02	1.33E-05	4.01E-05	2.32E-05	2.51E-05	2.27E-05	1.04E-05	1.65E-05	0.00E+00	0.00E+00	4.27E-06	8.51E-07	5.40E-06	8.33E-07	1.28E-06	1.26E-05
4190	486363.1	3855877	2.51E-02	2.71E-02	4.30E-02	8.69E-06	2.62E-05	1.52E-05	1.64E-05	1.49E-05	6.78E-06	1.08E-05	0.00E+00	0.00E+00	2.80E-06	5.57E-07	3.53E-06	5.45E-07	8.33E-07	8.26E-06
4191	486863.1	3855877	1.94E-02	2.09E-02	3.32E-02	6.71E-06	2.03E-05	1.17E-05	1.27E-05	1.15E-05	5.24E-06	8.32E-06	0.00E+00	0.00E+00	2.16E-06	4.30E-07	2.73E-06	4.21E-07	6.44E-07	6.38E-06
4192	487363.1	3855877	1.74E-02	1.88E-02	2.98E-02	6.02E-06	1.82E-05	1.05E-05	1.14E-05	1.03E-05	4.70E-06	7.47E-06	0.00E+00	0.00E+00	1.93E-06	3.85E-07	2.45E-06	3.77E-07	5.78E-07	5.72E-06
4193	487863.1	3855877	1.58E-02	1.70E-02	2.71E-02	5.46E-06	1.65E-05	9.55E-06	1.03E-05	9.35E-06	4.27E-06	6.79E-06	0.00E+00	0.00E+00	1.76E-06	3.50E-07	2.22E-06	3.43E-07	5.26E-07	5.20E-06
4194	488363.1	3855877	1.42E-02	1.53E-02	2.44E-02	4.92E-06	1.48E-05	8.59E-06	9.28E-06	8.41E-06	3.84E-06	6.11E-06	0.00E+00	0.00E+00	1.58E-06	3.15E-07	2.00E-06	3.08E-07	4.73E-07	4.68E-06
4195	488863.1	3855877	1.29E-02	1.39E-02	2.22E-02	4.46E-06	1.35E-05	7.79E-06	8.42E-06	7.63E-06	3.48E-06	5.55E-06	0.00E+00	0.00E+00	1.43E-06	2.86E-07	1.81E-06	2.80E-07	4.30E-07	4.24E-06
4196	489363.1	3855877	1.17E-02	1.26E-02	2.01E-02	4.04E-06	1.22E-05	7.06E-06	7.63E-06	6.91E-06	3.15E-06	5.03E-06	0.00E+00	0.00E+00	1.30E-06	2.59E-07	1.64E-06	2.53E-07	3.90E-07	3.84E-06
4197	489863.1	3855877	1.06E-02	1.14E-02	1.82E-02	3.66E-06	1.11E-05	6.40E-06	6.91E-06	6.27E-06	2.86E-06	4.56E-06	0.00E+00	0.00E+00	1.18E-06	2.35E-07	1.49E-06	2.30E-07	3.53E-07	3.48E-06
4198	490363.1	3855877	9.67E-03	1.04E-02	1.67E-02	3.35E-06	1.01E-05	5.85E-06	6.32E-06	5.73E-06	2.61E-06	4.17E-06	0.00E+00	0.00E+00	1.08E-06	2.15E-07	1.36E-06	2.10E-07	3.23E-07	3.19E-06
4199	490863.1	3855877	8.61E-03	9.31E-03	1.49E-02	2.98E-06	9.00E-06	5.21E-06	5.63E-06	5.10E-06	2.33E-06	3.72E-06	0.00E+00	0.00E+00	9.59E-07	1.91E-07	1.21E-06	1.87E-07	2.88E-07	2.84E-06
4200	491363.1	3855877	7.16E-03	7.73E-03	1.23E-02	2.48E-06	7.48E-06	4.33E-06	4.68E-06	4.24E-06	1.93E-06	3.09E-06	0.00E+00	0.00E+00	7.97E-07	1.59E-07	1.01E-06	1.55E-07	2.39E-07	2.36E-06
4201	491863.1	3855877	7.22E-03	7.80E-03	1.25E-02	2.50E-06	7.55E-06	4.37E-06	4.72E-06	4.28E-06	1.95E-06	3.12E-06	0.00E+00	0.00E+00	8.04E-07	1.60E-07	1.02E-06	1.57E-07	2.42E-07	2.38E-06
4202	492363.1	3855877	6.44E-03	6.96E-03	1.11E-02	2.23E-06	6.73E-06	3.90E-06	4.21E-06	3.82E-06	1.74E-06	2.78E-06	0.00E+00	0.00E+00	7.17E-07	1.43E-07	9.07E-07	1.40E-07	2.16E-07	2.12E-06
4203	492863.1	3855877	5.80E-03	6.26E-03	1.00E-02	2.01E-06	6.06E-06	3.51E-06	3.79E-06	3.43E-06	1.57E-06	2.50E-06	0.00E+00	0.00E+00	6.45E-07	1.29E-07	8.16E-07	1.26E-07	1.94E-07	1.91E-06
4204	493363.1	3855877	4.42E-03	4.77E-03	7.62E-03	1.53E-06	4.62E-06	2.67E-06	2.89E-06	2.62E-06	1.19E-06	1.91E-06	0.00E+00	0.00E+00	4.92E-07	9.80E-08	6.22E-07	9.59E-08	1.48E-07	1.46E-06
4205	493863.1	3855877	3.15E-03	3.40E-03	5.42E-03	1.09E-06	3.29E-06	1.91E-06	2.06E-06	1.87E-06	8.51E-07	1.36E-06	0.00E+00	0.00E+00	3.51E-07	6.98E-08	4.43E-07	6.83E-08	1.05E-07	1.04E-06
4206	494363.1	3855877	2.25E-03	2.43E-03	3.87E-03	7.80E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.09E-07	9.70E-07	0.00E+00	0.00E+00	2.51E-07	4.99E-08	3.17E-07	4.89E-08	7.51E-08	7.42E-07
4207	494863.1	3855877	1.72E-03	1.86E-03	2.96E-03	5.96E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.65E-07	7.41E-07	0.00E+00	0.00E+00	1.92E-07	3.82E-08	2.42E-07	3.74E-08	5.74E-08	5.67E-07
4208	495363.1	3855877	1.26E-03	1.36E-03	2.16E-03	4.35E-07	1.31E-06	7.61E-07	8.21E-07	7.45E-07	3.40E-07	5.41E-07	0.00E+00	0.00E+00	1.40E-07	2.79E-08	1.77E-07	2.73E-08	4.19E-08	4.14E-07
4209	495863.1	3855877	1.19E-03	1.28E-03	2.04E-03	4.12E-07	1.24E-06	7.19E-07	7.77E-07	7.04E-07	3.21E-07	5.12E-07	0.00E+00	0.00E+00	1.32E-07	2.64E-08	1.67E-07	2.58E-08	3.96E-08	3.91E-07
4210	496363.1	3855877	1.14E-03	1.24E-03	1.97E-03	3.96E-07	1.20E-06	6.93E-07	7.48E-07	6.78E-07	3.09E-07	4.93E-07	0.00E+00	0.00E+00	1.27E-07	2.54E-08	1.61E-07	2.48E-08	3.81E-08	3.77E-07
4211	496863.1	3855877	1.15E-03	1.24E-03	1.98E-03	3.98E-07	1.20E-06	6.96E-07	7.51E-07	6.81E-07	3.11E-07	4.95E-07	0.00E+00	0.00E+00	1.28E-07	2.55E-08	1.62E-07	2.49E-08	3.83E-08	3.79E-07

4212	497363.1	3855877	1.16E-03	1.26E-03	2.00E-03	4.03E-07	1.22E-06	7.04E-07	7.61E-07	6.89E-07	3.15E-07	5.01E-07	0.00E+00	0.00E+00	1.30E-07	2.58E-08	1.64E-07	2.53E-08	3.88E-08	3.83E-07
4213	497863.1	3855877	1.20E-03	1.30E-03	2.06E-03	4.15E-07	1.25E-06	7.26E-07	7.84E-07	7.11E-07	3.24E-07	5.17E-07	0.00E+00	0.00E+00	1.34E-07	2.66E-08	1.69E-07	2.60E-08	4.00E-08	3.95E-07
4214	498363.1	3855877	1.32E-03	1.43E-03	2.27E-03	4.57E-07	1.38E-06	7.99E-07	8.62E-07	7.82E-07	3.57E-07	5.68E-07	0.00E+00	0.00E+00	1.47E-07	2.93E-08	1.86E-07	2.86E-08	4.40E-08	4.35E-07
4215	471363.1	3856377	3.39E-04	3.66E-04	5.81E-04	1.17E-07	3.55E-07	2.05E-07	2.22E-07	2.01E-07	9.17E-08	1.45E-07	0.00E+00	0.00E+00	3.78E-08	7.52E-09	4.77E-08	7.36E-09	1.13E-08	1.12E-07
4216	471863.1	3856377	3.53E-04	3.81E-04	6.05E-04	1.22E-07	3.69E-07	2.14E-07	2.31E-07	2.09E-07	9.55E-08	1.51E-07	0.00E+00	0.00E+00	3.93E-08	7.83E-09	4.97E-08	7.67E-09	1.17E-08	1.16E-07
4217	472363.1	3856377	3.81E-04	4.12E-04	6.53E-04	1.32E-07	3.99E-07	2.31E-07	2.49E-07	2.26E-07	1.03E-07	1.63E-07	0.00E+00	0.00E+00	4.25E-08	8.45E-09	5.36E-08	8.27E-09	1.26E-08	1.25E-07
4218	472863.1	3856377	4.18E-04	4.51E-04	7.15E-04	1.45E-07	4.37E-07	2.53E-07	2.73E-07	2.47E-07	1.13E-07	1.79E-07	0.00E+00	0.00E+00	4.65E-08	9.26E-09	5.87E-08	9.06E-09	1.39E-08	1.37E-07
4219	473363.1	3856377	4.50E-04	4.86E-04	7.70E-04	1.56E-07	4.71E-07	2.72E-07	2.94E-07	2.66E-07	1.22E-07	1.93E-07	0.00E+00	0.00E+00	5.01E-08	9.98E-09	6.33E-08	9.76E-09	1.49E-08	1.48E-07
4220	473863.1	3856377	5.09E-04	5.50E-04	8.72E-04	1.76E-07	5.32E-07	3.08E-07	3.33E-07	3.01E-07	1.38E-07	2.18E-07	0.00E+00	0.00E+00	5.67E-08	1.13E-08	7.16E-08	1.10E-08	1.69E-08	1.68E-07
4221	474363.1	3856377	5.03E-04	5.42E-04	8.60E-04	1.74E-07	5.25E-07	3.04E-07	3.28E-07	2.97E-07	1.36E-07	2.15E-07	0.00E+00	0.00E+00	5.59E-08	1.11E-08	7.07E-08	1.09E-08	1.67E-08	1.65E-07
4222	474863.1	3856377	4.71E-04	5.08E-04	8.05E-04	1.63E-07	4.92E-07	2.85E-07	3.08E-07	2.79E-07	1.27E-07	2.02E-07	0.00E+00	0.00E+00	5.25E-08	1.04E-08	6.63E-08	1.02E-08	1.56E-08	1.55E-07
4223	475363.1	3856377	3.77E-04	4.07E-04	6.45E-04	1.31E-07	3.94E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.61E-07	0.00E+00	0.00E+00	4.20E-08	8.36E-09	5.31E-08	8.18E-09	1.25E-08	1.24E-07
4224	475863.1	3856377	2.70E-04	2.92E-04	4.62E-04	9.36E-08	2.83E-07	1.64E-07	1.77E-07	1.60E-07	7.30E-08	1.16E-07	0.00E+00	0.00E+00	3.01E-08	5.99E-09	3.80E-08	5.87E-09	8.96E-09	8.90E-08
4225	476363.1	3856377	2.61E-04	2.82E-04	4.47E-04	9.04E-08	2.73E-07	1.58E-07	1.71E-07	1.55E-07	7.05E-08	1.12E-07	0.00E+00	0.00E+00	2.91E-08	5.79E-09	3.67E-08	5.66E-09	8.66E-09	8.59E-08
4226	476863.1	3856377	2.72E-04	2.94E-04	4.66E-04	9.43E-08	2.85E-07	1.65E-07	1.78E-07	1.61E-07	7.35E-08	1.17E-07	0.00E+00	0.00E+00	3.03E-08	6.03E-09	3.83E-08	5.91E-09	9.02E-09	8.96E-08
4227	477363.1	3856377	2.96E-04	3.20E-04	5.06E-04	1.03E-07	3.10E-07	1.79E-07	1.93E-07	1.75E-07	8.00E-08	1.27E-07	0.00E+00	0.00E+00	3.30E-08	6.57E-09	4.17E-08	6.42E-09	9.82E-09	9.74E-08
4228	477863.1	3856377	2.54E-04	2.74E-04	4.34E-04	8.78E-08	2.65E-07	1.54E-07	1.66E-07	1.50E-07	6.85E-08	1.09E-07	0.00E+00	0.00E+00	2.82E-08	5.62E-09	3.57E-08	5.50E-09	8.41E-09	8.35E-08
4229	478363.1	3856377	2.38E-04	2.56E-04	4.06E-04	8.22E-08	2.48E-07	1.44E-07	1.55E-07	1.41E-07	6.41E-08	1.02E-07	0.00E+00	0.00E+00	2.64E-08	5.26E-09	3.34E-08	5.15E-09	7.87E-09	7.81E-08
4230	478863.1	3856377	4.38E-04	4.72E-04	7.48E-04	1.52E-07	4.58E-07	2.65E-07	2.86E-07	2.59E-07	1.18E-07	1.87E-07	0.00E+00	0.00E+00	4.87E-08	9.70E-09	6.15E-08	9.49E-09	1.45E-08	1.44E-07
4231	479363.1	3856377	5.77E-04	6.22E-04	9.84E-04	2.00E-07	6.03E-07	3.49E-07	3.76E-07	3.41E-07	1.56E-07	2.46E-07	0.00E+00	0.00E+00	6.42E-08	1.28E-08	8.11E-08	1.25E-08	1.91E-08	1.90E-07
4232	479863.1	3856377	9.87E-04	1.06E-03	1.68E-03	3.42E-07	1.03E-06	5.97E-07	6.44E-07	5.84E-07	2.66E-07	4.21E-07	0.00E+00	0.00E+00	1.10E-07	2.19E-08	1.39E-07	2.14E-08	3.26E-08	3.24E-07
4233	480363.1	3856377	1.64E-03	1.77E-03	2.80E-03	5.68E-07	1.72E-06	9.94E-07	1.07E-06	9.72E-07	4.43E-07	7.00E-07	0.00E+00	0.00E+00	1.83E-07	3.64E-08	2.31E-07	3.56E-08	5.42E-08	5.40E-07
4234	480863.1	3856377	2.41E-03	2.60E-03	4.11E-03	8.34E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.50E-07	1.03E-06	0.00E+00	0.00E+00	2.68E-07	5.34E-08	3.39E-07	5.22E-08	7.96E-08	7.92E-07
4235	481363.1	3856377	3.46E-03	3.73E-03	5.92E-03	1.20E-06	3.62E-06	2.09E-06	2.26E-06	2.05E-06	9.35E-07	1.48E-06	0.00E+00	0.00E+00	3.85E-07	7.67E-08	4.87E-07	7.51E-08	1.15E-07	1.14E-06
4236	481863.1	3856377	4.83E-03	5.21E-03	8.27E-03	1.67E-06	5.05E-06	2.92E-06	3.15E-06	2.86E-06	1.30E-06	2.07E-06	0.00E+00	0.00E+00	5.38E-07	1.07E-07	6.79E-07	1.05E-07	1.60E-07	1.59E-06
4237	482363.1	3856377	5.89E-03	6.35E-03	1.00E-02	2.04E-06	6.16E-06	3.56E-06	3.84E-06	3.48E-06	1.59E-06	2.51E-06	0.00E+00	0.00E+00	6.56E-07	1.30E-07	8.28E-07	1.28E-07	1.95E-07	1.94E-06
4238	482863.1	3856377	7.43E-03	8.02E-03	1.26E-02	2.57E-06	7.77E-06	4.50E-06	4.85E-06	4.40E-06	2.01E-06	3.16E-06	0.00E+00	0.00E+00	8.28E-07	1.65E-07	1.04E-06	1.61E-07	2.45E-07	2.44E-06
4239	483363.1	3856377	9.53E-03	1.03E-02	1.61E-02	3.30E-06	9.96E-06	5.77E-06	6.22E-06	5.64E-06	2.57E-06	4.04E-06	0.00E+00	0.00E+00	1.06E-06	2.11E-07	1.34E-06	2.06E-07	3.13E-07	3.13E-06
4240	483863.1	3856377	1.29E-02	1.39E-02	2.17E-02	4.45E-06	1.34E-05	7.78E-06	8.38E-06	7.60E-06	3.47E-06	5.43E-06	0.00E+00	0.00E+00	1.43E-06	2.84E-07	1.81E-06	2.78E-07	4.20E-07	4.22E-06
4241	484363.1	3856377	1.87E-02	2.02E-02	3.14E-02	6.48E-06	1.96E-05	1.13E-05	1.22E-05	1.11E-05	5.05E-06	7.85E-06	0.00E+00	0.00E+00	2.09E-06	4.14E-07	2.63E-06	4.05E-07	6.08E-07	6.14E-06
4242	484863.1	3856377	3.87E-02	4.15E-02	6.33E-02	1.34E-05	4.04E-05	2.34E-05	2.51E-05	2.28E-05	1.04E-05	1.58E-05	0.00E+00	0.00E+00	4.30E-06	8.52E-07	5.41E-06	8.34E-07	1.23E-06	1.26E-05
4243	485363.1	3856377	1.45E-01	1.56E-01	2.45E-01	5.01E-05	1.51E-04	8.76E-05	9.44E-05	8.56E-05	3.91E-05	6.14E-05	0.00E+00	0.00E+00	1.61E-05	3.21E-06	2.03E-05	3.14E-06	4.76E-06	4.76E-05
4244	485863.1	3856377	8.84E-02	9.56E-02	1.54E-01	3.06E-05	9.24E-05	5.35E-05	5.79E-05	5.25E-05	2.39E-05	3.86E-05	0.00E+00	0.00E+00	9.84E-06	1.96E-06	1.25E-05	1.92E-06	2.99E-06	2.92E-05
4245	486363.1	3856377	3.90E-02	4.21E-02	6.74E-02	1.35E-05	4.07E-05	2.36E-05	2.55E-05	2.31E-05	1.05E-05	1.69E-05	0.00E+00	0.00E+00	4.34E-06	8.65E-07	5.49E-06	8.47E-07	1.31E-06	1.28E-05
4246	486863.1	3856377	2.98E-02	3.22E-02	5.14E-02	1.03E-05	3.12E-05	1.80E-05	1.95E-05	1.77E-05	8.06E-06	1.29E-05	0.00E+00	0.00E+00	3.32E-06	6.61E-07	4.20E-06	6.47E-07	9.97E-07	9.82E-06
4247	487363.1	3856377	2.50E-02	2.70E-02	4.31E-02	8.65E-06	2.61E-05	1.51E-05	1.63E-05	1.48E-05	6.76E-06	1.08E-05	0.00E+00	0.00E+00	2.78E-06	5.55E-07	3.52E-06	5.43E-07	8.35E-07	8.23E-06
4248	487863.1	3856377	2.17E-02	2.34E-02	3.74E-02	7.50E-06	2.27E-05	1.31E-05	1.42E-05	1.28E-05	5.86E-06	9.35E-06	0.00E+00	0.00E+00	2.41E-06	4.81E-07	3.05E-06	4.71E-07	7.24E-07	7.14E-06
4249	488363.1	3856377	1.88E-02	2.03E-02	3.24E-02	6.51E-06	1.96E-05	1.14E-05	1.23E-05	1.11E-05	5.08E-06	8.11E-06	0.00E+00	0.00E+00	2.09E-06	4.17E-07	2.65E-06	4.08E-07	6.28E-07	6.19E-06
4250	488863.1	3856377	1.65E-02	1.78E-02	2.84E-02	5.70E-06	1.72E-05	9.97E-06	1.08E-05	9.76E-06	4.45E-06	7.11E-06	0.00E+00	0.00E+00	1.83E-06	3.66E-07	2.32E-06	3.58E-07	5.51E-07	5.43E-06
4251	489363.1	3856377	1.45E-02	1.57E-02	2.51E-02	5.04E-06	1.52E-05	8.80E-06	9.51E-06	8.62E-06	3.93E-06	6.28E-06	0.00E+00	0.00E+00	1.62E-06	3.23E-07	2.05E-06	3.16E-07	4.86E-07	4.79E-06
4252	489863.1	3856377	1.29E-02	1.40E-02	2.23E-02	4.48E-06	1.35E-05	7.82E-06	8.45E-06	7.66E-06	3.50E-06	5.59E-06	0.00E+00	0.00E+00	1.44E-06	2.87E-07	1.82E-06	2.81E-07	4.33E-07	4.26E-06
4253	490363.1	3856377	1.15E-02	1.24E-02	1.98E-02	3.97E-06	1.20E-05	6.94E-06	7.50E-06	6.80E-06	3.10E-06	4.96E-06	0.00E+00	0.00E+00	1.28E-06	2.54E-07	1.61E-06	2.49E-07	3.84E-07	3.78E-06
4254	490863.1	3856377	1.02E-02	1.10E-02	1.76E-02	3.53E-06	1.07E-05	6.17E-06	6.67E-06	6.05E-06	2.76E-06	4.41E-06	0.00E+00	0.00E+00	1.14E-06	2.26E-07	1.44E-06	2.21E-07	3.41E-07	3.36E-06
4255	491363.1	3856377	9.14E-03	9.88E-03	1.58E-02	3.16E-06	9.55E-06	5.53E-06	5.98E-06	5.42E-06	2.47E-06	3.95E-06	0.00E+00	0.00E+00	1.02E-06	2.03E-07	1.29E-06	1.98E-07	3.06E-07	3.01E-06
4256	491863.1	3856377	8.14E-03	8.79E-03	1.41E-02	2.82E-06	8.51E-06	4.92E-06	5.32E-06	4.82E-06	2.20E-06	3.52E-06	0.00E+00	0.00E+00	9.06E-07	1.81E-07	1.15E-06	1.77E-07	2.73E-07	2.68E-06
4257	492363.1	3856377	7.09E-03	7.66E-03	1.23E-02	2.45E-06	7.41E-06	4.29E-06	4.63E-06	4.20E-06	1.92E-06	3.07E-06	0.00E+00	0.00E+00	7.89E-07	1.57E-07	9.98E-07	1.54E-07	2.37E-07	2.34E-06
4258	492863.1	3856377	5.66E-03	6.12E-03	9.77E-03	1.96E-06	5.92E-06	3.43E-06	3.70E-06	3.35E-06	1.53E-06	2.45E-06	0.00E+00	0.00E+00	6.30E-07	1.26E-07	7.97E-07	1.23E-07	1.89E-07	1.87E-06
4259	493363.1	3856377	3.63E-03	3.92E-03	6.26E-03	1.26E-06	3.80E-06	2.20E-06	2.37E-06	2.15E-06	9.82E-07	1.57E-06	0.00E+00	0.00E+00	4.04E-07	8.06E-08	5.11E-07	7.89E-08	1.21E-07	1.20E-06
4260	493863.1	3856377	2.81E-03	3.04E-03	4.84E-03	9.74E-07	2.94E-06	1.70E-06	1.84E-06	1.67E-06	7.60E-07	1.21E-06	0.00E+00	0.00E+00	3.13E-07	6.24E-08	3.96E-07	6.10E-08	9.38E-08	9.26E-07
4261	494363.1	3856377	2.06E-03	2.23E-03	3.55E-03	7.14E-07	2.16E-06	1.25E-06	1.35E-06	1.22E-06	5.57E-07	8.88E-07	0.00E+00	0.00E+00	2.30E-07	4.57E-08	2.90E-07	4.48E-08	6.87E-08	6.79E-07
4262	494863.1	3856377	1.56E-03	1.68E-03	2.68E-03	5.39E-07	1.63E-06	9.42E-07	1.02E-06	9.22E-07	4.21E-07	6.70E-07	0.00E+00	0.00E+00	1.73E-07	3.45E-08	2.19E-07	3.38E-08	5.19E-08	5.13E-07
4263	495363.1	3856377	1.26E-03	1.36E-03	2.16E-03	4.36E-07	1.32E-06	7.62E-07	8.23E-07	7.46E-07	3.40E-07	5.42E-07	0.00E+00	0.00E+00	1.40E-07	2.79E-08	1.77E-07	2.73E-08	4.19E-08	4.15E-07
4264	495863.1	3856377	1.18E-03	1.28E-03	2.03E-03	4.09E-07	1.23E-06	7.15E-07	7.72E-07	7.00E-07	3.19E-07	5.08E-07	0.00E+00	0.00E+00	1.32E-07	2.62E-08	1.66E-07	2.56E-08	3.93E-08	3.89E-07
4265	496363.1	3856377	1.16E-03	1.25E-03	1.99E-03	4.01E-07	1.21E-06	7.00E-07	7.56E-07	6.85E-07	3.13E-07	4.98E-07	0.00E+00	0.00E+00	1.29E-07	2.57E-08	1.63E-07	2.51E-08	3.86E-08	3.81E-07
4266	496863.1	3856377	1.21E-03	1.31E-03	2.08E-03	4.19E-07	1.26E-06	7.32E-07	7.91E-07	7.17E-07	3.27E-07	5.21E-07	0.00E+00	0.00E+00	1.35E-07	2.68E-08	1.70E-07	2.63E-08	4.03E-08	3.98E-07
4267	497363.1	3856377	1.25E-03	1.35E-03	2.15E-03	4.32E-07	1.31E-06	7.56E-07	8.16E-07	7.40E-07	3.38E-07	5.38E-07	0.00E+00	0.00E+00	1.39E-07	2.77E-08	1.76E-07	2.71E-08	4.16E-08	4.11E-07
4268	497863.1	3856377	1.33E-03	1.44E-03	2.29E-03	4.61E-07	1.39E-06	8.06E-07	8.71E-07	7.89E-07	3.60E-07	5.74E-07	0.00E+00	0.00E+00	1.48E-07	2.96E-08	1.88E-07	2.89E-08	4.44E-08	4.39E-07

4269	498363.1	3856377	1.45E-03	1.56E-03	2.49E-03	5.02E-07	1.51E-06	8.77E-07	9.47E-07	8.58E-07	3.92E-07	6.24E-07	0.00E+00	0.00E+00	1.61E-07	3.21E-08	2.04E-07	3.14E-08	4.83E-08	4.77E-07
4270	471363.1	3856877	3.53E-04	3.81E-04	6.04E-04	1.22E-07	3.69E-07	2.14E-07	2.31E-07	2.09E-07	9.54E-08	1.51E-07	0.00E+00	0.00E+00	3.93E-08	7.83E-09	4.97E-08	7.66E-09	1.17E-08	1.16E-07
4271	471863.1	3856877	3.63E-04	3.92E-04	6.21E-04	1.26E-07	3.80E-07	2.20E-07	2.37E-07	2.15E-07	9.81E-08	1.55E-07	0.00E+00	0.00E+00	4.04E-08	8.05E-09	5.11E-08	7.88E-09	1.20E-08	1.20E-07
4272	472363.1	3856877	3.90E-04	4.21E-04	6.67E-04	1.35E-07	4.08E-07	2.36E-07	2.55E-07	2.31E-07	1.05E-07	1.67E-07	0.00E+00	0.00E+00	4.35E-08	8.65E-09	5.49E-08	8.47E-09	1.29E-08	1.28E-07
4273	472863.1	3856877	4.19E-04	4.52E-04	7.16E-04	1.45E-07	4.38E-07	2.54E-07	2.74E-07	2.48E-07	1.13E-07	1.79E-07	0.00E+00	0.00E+00	4.67E-08	9.29E-09	5.89E-08	9.09E-09	1.39E-08	1.38E-07
4274	473363.1	3856877	4.75E-04	5.13E-04	8.12E-04	1.64E-07	4.97E-07	2.87E-07	3.10E-07	2.81E-07	1.28E-07	2.03E-07	0.00E+00	0.00E+00	5.29E-08	1.05E-08	6.68E-08	1.03E-08	1.57E-08	1.56E-07
4275	473863.1	3856877	5.11E-04	5.52E-04	8.74E-04	1.77E-07	5.34E-07	3.09E-07	3.34E-07	3.03E-07	1.38E-07	2.19E-07	0.00E+00	0.00E+00	5.69E-08	1.13E-08	7.19E-08	1.11E-08	1.69E-08	1.68E-07
4276	474363.1	3856877	4.99E-04	5.39E-04	8.53E-04	1.73E-07	5.22E-07	3.02E-07	3.26E-07	2.95E-07	1.35E-07	2.14E-07	0.00E+00	0.00E+00	5.55E-08	1.11E-08	7.02E-08	1.08E-08	1.65E-08	1.64E-07
4277	474863.1	3856877	4.63E-04	5.00E-04	7.92E-04	1.60E-07	4.84E-07	2.80E-07	3.03E-07	2.74E-07	1.25E-07	1.98E-07	0.00E+00	0.00E+00	5.16E-08	1.03E-08	6.52E-08	1.00E-08	1.54E-08	1.52E-07
4278	475363.1	3856877	3.92E-04	4.22E-04	6.69E-04	1.36E-07	4.09E-07	2.37E-07	2.56E-07	2.32E-07	1.06E-07	1.67E-07	0.00E+00	0.00E+00	4.36E-08	8.68E-09	5.51E-08	8.49E-09	1.30E-08	1.29E-07
4279	475863.1	3856877	3.95E-04	4.26E-04	6.74E-04	1.37E-07	4.13E-07	2.39E-07	2.58E-07	2.34E-07	1.07E-07	1.69E-07	0.00E+00	0.00E+00	4.40E-08	8.75E-09	5.55E-08	8.56E-09	1.31E-08	1.30E-07
4280	476363.1	3856877	3.47E-04	3.74E-04	5.91E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.36E-08	1.48E-07	0.00E+00	0.00E+00	3.86E-08	7.68E-09	4.87E-08	7.52E-09	1.15E-08	1.14E-07
4281	476863.1	3856877	3.39E-04	3.66E-04	5.78E-04	1.17E-07	3.54E-07	2.05E-07	2.21E-07	2.01E-07	9.16E-08	1.45E-07	0.00E+00	0.00E+00	3.77E-08	7.51E-09	4.77E-08	7.35E-09	1.12E-08	1.11E-07
4282	477363.1	3856877	3.09E-04	3.34E-04	5.28E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.35E-08	1.32E-07	0.00E+00	0.00E+00	3.44E-08	6.85E-09	4.35E-08	6.70E-09	1.02E-08	1.02E-07
4283	477863.1	3856877	2.28E-04	2.46E-04	3.89E-04	7.88E-08	2.38E-07	1.38E-07	1.49E-07	1.35E-07	6.15E-08	9.73E-08	0.00E+00	0.00E+00	2.54E-08	5.05E-09	3.20E-08	4.94E-09	7.53E-09	7.49E-08
4284	478363.1	3856877	2.11E-04	2.28E-04	3.60E-04	7.30E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.70E-08	9.01E-08	0.00E+00	0.00E+00	2.35E-08	4.67E-09	2.97E-08	4.57E-09	6.98E-09	6.94E-08
4285	478863.1	3856877	2.66E-04	2.87E-04	4.54E-04	9.21E-08	2.78E-07	1.61E-07	1.74E-07	1.57E-07	7.18E-08	1.14E-07	0.00E+00	0.00E+00	2.96E-08	5.90E-09	3.74E-08	5.77E-09	8.80E-09	8.75E-08
4286	479363.1	3856877	3.57E-04	3.85E-04	6.09E-04	1.24E-07	3.73E-07	2.16E-07	2.33E-07	2.11E-07	9.64E-08	1.53E-07	0.00E+00	0.00E+00	3.98E-08	7.91E-09	5.02E-08	7.74E-09	1.18E-08	1.17E-07
4287	479863.1	3856877	8.79E-04	9.48E-04	1.50E-03	3.04E-07	9.19E-07	5.32E-07	5.74E-07	5.20E-07	2.37E-07	3.74E-07	0.00E+00	0.00E+00	9.78E-08	1.95E-08	1.24E-07	1.91E-08	2.90E-08	2.89E-07
4288	480363.1	3856877	1.57E-03	1.69E-03	2.67E-03	5.42E-07	1.64E-06	9.48E-07	1.02E-06	9.27E-07	4.23E-07	6.68E-07	0.00E+00	0.00E+00	1.74E-07	3.47E-08	2.20E-07	3.39E-08	5.17E-08	5.15E-07
4289	480863.1	3856877	2.46E-03	2.65E-03	4.20E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.63E-07	1.05E-06	0.00E+00	0.00E+00	2.73E-07	5.44E-08	3.45E-07	5.33E-08	8.13E-08	8.08E-07
4290	481363.1	3856877	3.32E-03	3.58E-03	5.68E-03	1.15E-06	3.47E-06	2.01E-06	2.17E-06	1.97E-06	8.97E-07	1.42E-06	0.00E+00	0.00E+00	3.70E-07	7.36E-08	4.67E-07	7.20E-08	1.10E-07	1.09E-06
4291	481863.1	3856877	4.13E-03	4.46E-03	7.05E-03	1.43E-06	4.32E-06	2.50E-06	2.70E-06	2.44E-06	1.12E-06	1.77E-06	0.00E+00	0.00E+00	4.60E-07	9.15E-08	5.81E-07	8.96E-08	1.37E-07	1.36E-06
4292	482363.1	3856877	5.09E-03	5.49E-03	8.67E-03	1.76E-06	5.32E-06	3.08E-06	3.32E-06	3.01E-06	1.37E-06	2.17E-06	0.00E+00	0.00E+00	5.67E-07	1.13E-07	7.15E-07	1.10E-07	1.68E-07	1.67E-06
4293	482863.1	3856877	6.10E-03	6.58E-03	1.04E-02	2.11E-06	6.38E-06	3.69E-06	3.98E-06	3.61E-06	1.65E-06	2.59E-06	0.00E+00	0.00E+00	6.79E-07	1.35E-07	8.57E-07	1.32E-07	2.01E-07	2.00E-06
4294	483363.1	3856877	7.49E-03	8.07E-03	1.27E-02	2.59E-06	7.83E-06	4.53E-06	4.88E-06	4.43E-06	2.02E-06	3.17E-06	0.00E+00	0.00E+00	8.34E-07	1.66E-07	1.05E-06	1.62E-07	2.46E-07	2.46E-06
4295	483863.1	3856877	9.46E-03	1.02E-02	1.60E-02	3.28E-06	9.89E-06	5.73E-06	6.17E-06	5.59E-06	2.55E-06	4.00E-06	0.00E+00	0.00E+00	1.05E-06	2.09E-07	1.33E-06	2.05E-07	3.10E-07	3.11E-06
4296	484363.1	3856877	1.25E-02	1.34E-02	2.10E-02	4.32E-06	1.31E-05	7.56E-06	8.14E-06	7.38E-06	3.37E-06	5.25E-06	0.00E+00	0.00E+00	1.39E-06	2.76E-07	1.75E-06	2.70E-07	4.07E-07	4.10E-06
4297	484863.1	3856877	1.75E-02	1.88E-02	2.92E-02	6.05E-06	1.83E-05	1.06E-05	1.14E-05	1.03E-05	4.70E-06	7.31E-06	0.00E+00	0.00E+00	1.94E-06	3.86E-07	2.45E-06	3.78E-07	5.66E-07	5.72E-06
4298	485363.1	3856877	3.26E-02	3.50E-02	5.36E-02	1.13E-05	3.40E-05	1.97E-05	2.12E-05	1.92E-05	8.76E-06	1.34E-05	0.00E+00	0.00E+00	3.63E-06	7.19E-07	4.56E-06	7.03E-07	1.04E-06	1.06E-05
4299	485863.1	3856877	1.32E-01	1.42E-01	2.20E-01	4.57E-05	1.38E-04	7.99E-05	8.59E-05	7.79E-05	3.55E-05	5.51E-05	0.00E+00	0.00E+00	1.47E-05	2.92E-06	1.85E-05	2.85E-06	4.27E-06	4.32E-05
4300	486363.1	3856877	8.22E-02	8.88E-02	1.42E-01	2.85E-05	8.59E-05	4.97E-05	5.37E-05	4.87E-05	2.22E-05	3.55E-05	0.00E+00	0.00E+00	9.15E-06	1.82E-06	1.16E-05	1.79E-06	2.75E-06	2.71E-05
4301	486863.1	3856877	4.88E-02	5.27E-02	8.44E-02	1.69E-05	5.10E-05	2.95E-05	3.19E-05	2.89E-05	1.32E-05	2.11E-05	0.00E+00	0.00E+00	5.43E-06	1.08E-06	6.87E-06	1.06E-06	1.64E-06	1.61E-05
4302	487363.1	3856877	3.67E-02	3.97E-02	6.35E-02	1.27E-05	3.84E-05	2.22E-05	2.40E-05	2.18E-05	9.93E-06	1.59E-05	0.00E+00	0.00E+00	4.09E-06	8.15E-07	5.17E-06	7.97E-07	1.23E-06	1.21E-05
4303	487863.1	3856877	2.92E-02	3.16E-02	5.05E-02	1.01E-05	3.05E-05	1.77E-05	1.91E-05	1.73E-05	7.90E-06	1.26E-05	0.00E+00	0.00E+00	3.25E-06	6.49E-07	4.12E-06	6.35E-07	9.79E-07	9.63E-06
4304	488363.1	3856877	2.41E-02	2.61E-02	4.17E-02	8.35E-06	2.52E-05	1.46E-05	1.58E-05	1.43E-05	6.52E-06	1.04E-05	0.00E+00	0.00E+00	2.68E-06	5.35E-07	3.39E-06	5.24E-07	8.08E-07	7.94E-06
4305	488863.1	3856877	2.02E-02	2.19E-02	3.50E-02	7.01E-06	2.12E-05	1.22E-05	1.32E-05	1.20E-05	5.47E-06	8.76E-06	0.00E+00	0.00E+00	2.25E-06	4.49E-07	2.85E-06	4.39E-07	6.78E-07	6.67E-06
4306	489363.1	3856877	1.73E-02	1.87E-02	3.00E-02	6.00E-06	1.81E-05	1.05E-05	1.13E-05	1.03E-05	4.69E-06	7.50E-06	0.00E+00	0.00E+00	1.93E-06	3.84E-07	2.44E-06	3.76E-07	5.81E-07	5.71E-06
4307	489863.1	3856877	1.50E-02	1.62E-02	2.59E-02	5.18E-06	1.56E-05	9.06E-06	9.79E-06	8.87E-06	4.05E-06	6.48E-06	0.00E+00	0.00E+00	1.67E-06	3.32E-07	2.11E-06	3.25E-07	5.02E-07	4.93E-06
4308	490363.1	3856877	1.30E-02	1.40E-02	2.25E-02	4.49E-06	1.36E-05	7.86E-06	8.49E-06	7.70E-06	3.51E-06	5.63E-06	0.00E+00	0.00E+00	1.45E-06	2.88E-07	1.83E-06	2.82E-07	4.36E-07	4.28E-06
4309	490863.1	3856877	1.14E-02	1.23E-02	1.97E-02	3.93E-06	1.19E-05	6.87E-06	7.42E-06	6.73E-06	3.07E-06	4.92E-06	0.00E+00	0.00E+00	1.26E-06	2.52E-07	1.60E-06	2.47E-07	3.81E-07	3.74E-06
4310	491363.1	3856877	9.98E-03	1.08E-02	1.73E-02	3.45E-06	1.04E-05	6.04E-06	6.52E-06	5.91E-06	2.70E-06	4.32E-06	0.00E+00	0.00E+00	1.11E-06	2.21E-07	1.41E-06	2.17E-07	3.35E-07	3.29E-06
4311	491863.1	3856877	8.75E-03	9.45E-03	1.51E-02	3.03E-06	9.14E-06	5.29E-06	5.72E-06	5.19E-06	2.37E-06	3.79E-06	0.00E+00	0.00E+00	9.74E-07	1.94E-07	1.23E-06	1.90E-07	2.93E-07	2.88E-06
4312	492363.1	3856877	6.86E-03	7.41E-03	1.19E-02	2.37E-06	7.17E-06	4.15E-06	4.48E-06	4.06E-06	1.85E-06	2.97E-06	0.00E+00	0.00E+00	7.63E-07	1.52E-07	9.66E-07	1.49E-07	2.30E-07	2.26E-06
4313	492863.1	3856877	5.26E-03	5.68E-03	9.07E-03	1.82E-06	5.50E-06	3.18E-06	3.44E-06	3.12E-06	1.42E-06	2.27E-06	0.00E+00	0.00E+00	5.85E-07	1.17E-07	7.40E-07	1.14E-07	1.76E-07	1.73E-06
4314	493363.1	3856877	3.79E-03	4.09E-03	6.53E-03	1.31E-06	3.96E-06	2.29E-06	2.48E-06	2.24E-06	1.02E-06	1.63E-06	0.00E+00	0.00E+00	4.22E-07	8.40E-08	5.33E-07	8.22E-08	1.26E-07	1.25E-06
4315	493863.1	3856877	2.59E-03	2.80E-03	4.46E-03	8.97E-07	2.71E-06	1.57E-06	1.69E-06	1.53E-06	7.00E-07	1.12E-06	0.00E+00	0.00E+00	2.88E-07	5.75E-08	3.65E-07	5.62E-08	8.64E-08	8.53E-07
4316	494363.1	3856877	1.86E-03	2.01E-03	3.20E-03	6.44E-07	1.94E-06	1.13E-06	1.22E-06	1.10E-06	5.03E-07	8.00E-07	0.00E+00	0.00E+00	2.07E-07	4.12E-08	2.62E-07	4.04E-08	6.20E-08	6.12E-07
4317	494863.1	3856877	1.55E-03	1.67E-03	2.66E-03	5.35E-07	1.62E-06	9.36E-07	1.01E-06	9.16E-07	4.18E-07	6.65E-07	0.00E+00	0.00E+00	1.72E-07	3.43E-08	2.18E-07	3.36E-08	5.15E-08	5.09E-07
4318	495363.1	3856877	1.37E-03	1.48E-03	2.35E-03	4.73E-07	1.43E-06	8.27E-07	8.93E-07	8.10E-07	3.69E-07	5.88E-07	0.00E+00	0.00E+00	1.52E-07	3.03E-08	1.92E-07	2.97E-08	4.55E-08	4.50E-07
4319	495863.1	3856877	1.31E-03	1.41E-03	2.24E-03	4.52E-07	1.36E-06	7.90E-07	8.53E-07	7.73E-07	3.53E-07	5.61E-07	0.00E+00	0.00E+00	1.45E-07	2.89E-08	1.84E-07	2.83E-08	4.35E-08	4.30E-07
4320	496363.1	3856877	1.27E-03	1.37E-03	2.17E-03	4.38E-07	1.32E-06	7.66E-07	8.27E-07	7.49E-07	3.42E-07	5.44E-07	0.00E+00	0.00E+00	1.41E-07	2.81E-08	1.78E-07	2.75E-08	4.21E-08	4.17E-07
4321	496863.1	3856877	1.27E-03	1.37E-03	2.19E-03	4.41E-07	1.33E-06	7.70E-07	8.32E-07	7.54E-07	3.44E-07	5.48E-07	0.00E+00	0.00E+00	1.42E-07	2.82E-08	1.79E-07	2.76E-08	4.24E-08	4.19E-07
4322	497363.1	3856877	1.32E-03	1.43E-03	2.27E-03	4.57E-07	1.38E-06	7.99E-07	8.62E-07	7.82E-07	3.57E-07	5.68E-07	0.00E+00	0.00E+00	1.47E-07	2.93E-08	1.86E-07	2.86E-08	4.40E-08	4.35E-07
4323	497863.1	3856877	1.46E-03	1.58E-03	2.51E-03	5.06E-07	1.53E-06	8.84E-07	9.55E-07	8.66E-07	3.95E-07	6.29E-07	0.00E+00	0.00E+00	1.63E-07	3.24E-08	2.06E-07	3.17E-08	4.87E-08	4.81E-07
4324	498363.1	3856877	1.63E-03	1.76E-03	2.81E-03	5.65E-07	1.71E-06	9.88E-07	1.07E-06	9.68E-07	4.42E-07	7.04E-07	0.00E+00	0.00E+00	1.82E-07	3.62E-08	2.30E-07	3.55E-08	5.45E-08	5.38E-07
4325	471363.1	3857377	3.67E-04	3.96E-04	6.28E-04	1.27E-07	3.84E-07	2.22E-07	2.40E-07	2.17E-07	9.91E-08	1.57E-07	0.00E+00	0.00E+00	4.08E-08	8.13E-09	5.16E-08	7.96E-09	1.22E-08	1.21E-07

4326	471863.1	3857377	3.76E-04	4.06E-04	6.43E-04	1.30E-07	3.93E-07	2.28E-07	2.46E-07	2.23E-07	1.02E-07	1.61E-07	0.00E+00	0.00E+00	4.19E-08	8.34E-09	5.29E-08	8.16E-09	1.25E-08	1.24E-07
4327	472363.1	3857377	3.99E-04	4.30E-04	6.82E-04	1.38E-07	4.17E-07	2.41E-07	2.60E-07	2.36E-07	1.08E-07	1.71E-07	0.00E+00	0.00E+00	4.44E-08	8.84E-09	5.61E-08	8.65E-09	1.32E-08	1.31E-07
4328	472863.1	3857377	4.30E-04	4.64E-04	7.36E-04	1.49E-07	4.49E-07	2.60E-07	2.81E-07	2.55E-07	1.16E-07	1.84E-07	0.00E+00	0.00E+00	4.79E-08	9.53E-09	6.05E-08	9.33E-09	1.43E-08	1.41E-07
4329	473363.1	3857377	4.73E-04	5.11E-04	8.11E-04	1.64E-07	4.95E-07	2.86E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	0.00E+00	0.00E+00	5.27E-08	1.05E-08	6.66E-08	1.03E-08	1.57E-08	1.56E-07
4330	473863.1	3857377	5.30E-04	5.72E-04	9.08E-04	1.84E-07	5.54E-07	3.21E-07	3.46E-07	3.14E-07	1.43E-07	2.27E-07	0.00E+00	0.00E+00	5.90E-08	1.18E-08	7.46E-08	1.15E-08	1.76E-08	1.74E-07
4331	474363.1	3857377	4.98E-04	5.37E-04	8.53E-04	1.72E-07	5.20E-07	3.01E-07	3.25E-07	2.95E-07	1.34E-07	2.13E-07	0.00E+00	0.00E+00	5.54E-08	1.10E-08	7.00E-08	1.08E-08	1.65E-08	1.64E-07
4332	474863.1	3857377	3.69E-04	3.98E-04	6.31E-04	1.28E-07	3.86E-07	2.23E-07	2.41E-07	2.18E-07	9.97E-08	1.58E-07	0.00E+00	0.00E+00	4.11E-08	8.18E-09	5.19E-08	8.00E-09	1.22E-08	1.21E-07
4333	475363.1	3857377	2.57E-04	2.78E-04	4.39E-04	8.91E-08	2.69E-07	1.56E-07	1.68E-07	1.52E-07	6.95E-08	1.10E-07	0.00E+00	0.00E+00	2.87E-08	5.70E-09	3.62E-08	5.58E-09	8.51E-09	8.46E-08
4334	475863.1	3857377	2.43E-04	2.62E-04	4.15E-04	8.42E-08	2.54E-07	1.47E-07	1.59E-07	1.44E-07	6.57E-08	1.04E-07	0.00E+00	0.00E+00	2.71E-08	5.39E-09	3.42E-08	5.27E-09	8.04E-09	8.00E-08
4335	476363.1	3857377	3.18E-04	3.43E-04	5.42E-04	1.10E-07	3.32E-07	1.92E-07	2.07E-07	1.88E-07	8.58E-08	1.36E-07	0.00E+00	0.00E+00	3.54E-08	7.04E-09	4.47E-08	6.89E-09	1.05E-08	1.04E-07
4336	476863.1	3857377	3.47E-04	3.74E-04	5.92E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.05E-07	9.37E-08	1.48E-07	0.00E+00	0.00E+00	3.86E-08	7.69E-09	4.88E-08	7.53E-09	1.15E-08	1.14E-07
4337	477363.1	3857377	3.06E-04	3.31E-04	5.23E-04	1.06E-07	3.20E-07	1.85E-07	2.00E-07	1.81E-07	8.27E-08	1.31E-07	0.00E+00	0.00E+00	3.41E-08	6.79E-09	4.31E-08	6.64E-09	1.01E-08	1.01E-07
4338	477863.1	3857377	2.41E-04	2.60E-04	4.11E-04	8.35E-08	2.52E-07	1.46E-07	1.57E-07	1.43E-07	6.51E-08	1.03E-07	0.00E+00	0.00E+00	2.68E-08	5.34E-09	3.39E-08	5.23E-09	7.96E-09	7.92E-08
4339	478363.1	3857377	1.96E-04	2.12E-04	3.34E-04	6.79E-08	2.05E-07	1.19E-07	1.28E-07	1.16E-07	5.29E-08	8.36E-08	0.00E+00	0.00E+00	2.18E-08	4.34E-09	2.76E-08	4.25E-09	6.48E-09	6.45E-08
4340	478863.1	3857377	1.75E-04	1.89E-04	2.99E-04	6.07E-08	1.83E-07	1.06E-07	1.14E-07	1.04E-07	4.73E-08	7.47E-08	0.00E+00	0.00E+00	1.95E-08	3.88E-09	2.46E-08	3.80E-09	5.79E-09	5.76E-08
4341	479363.1	3857377	2.71E-04	2.92E-04	4.60E-04	9.37E-08	2.83E-07	1.64E-07	1.77E-07	1.60E-07	7.31E-08	1.15E-07	0.00E+00	0.00E+00	3.01E-08	6.00E-09	3.81E-08	5.87E-09	8.92E-09	8.90E-08
4342	479863.1	3857377	7.06E-04	7.61E-04	1.20E-03	2.44E-07	7.38E-07	4.27E-07	4.60E-07	4.17E-07	1.90E-07	3.00E-07	0.00E+00	0.00E+00	7.86E-08	1.56E-08	9.92E-08	1.53E-08	2.32E-08	2.32E-07
4343	480363.1	3857377	5.95E-04	6.41E-04	1.01E-03	2.06E-07	6.21E-07	3.60E-07	3.88E-07	3.52E-07	1.60E-07	2.53E-07	0.00E+00	0.00E+00	6.62E-08	1.32E-08	8.35E-08	1.29E-08	1.96E-08	1.95E-07
4344	480863.1	3857377	2.30E-03	2.48E-03	3.93E-03	7.95E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.82E-07	0.00E+00	0.00E+00	2.56E-07	5.09E-08	3.23E-07	4.98E-08	7.61E-08	7.55E-07
4345	481363.1	3857377	2.60E-03	2.81E-03	4.46E-03	9.01E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.03E-07	1.11E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.63E-08	8.56E-07
4346	481863.1	3857377	3.43E-03	3.70E-03	5.86E-03	1.19E-06	3.58E-06	2.07E-06	2.24E-06	2.03E-06	9.26E-07	1.47E-06	0.00E+00	0.00E+00	3.82E-07	7.60E-08	4.82E-07	7.43E-08	1.13E-07	1.13E-06
4347	482363.1	3857377	4.39E-03	4.74E-03	7.48E-03	1.52E-06	4.59E-06	2.66E-06	2.87E-06	2.60E-06	1.19E-06	1.87E-06	0.00E+00	0.00E+00	4.89E-07	9.73E-08	6.18E-07	9.52E-08	1.45E-07	1.44E-06
4348	482863.1	3857377	5.08E-03	5.48E-03	8.63E-03	1.76E-06	5.31E-06	3.08E-06	3.32E-06	3.01E-06	1.37E-06	2.16E-06	0.00E+00	0.00E+00	5.66E-07	1.13E-07	7.14E-07	1.10E-07	1.67E-07	1.67E-06
4349	483363.1	3857377	5.99E-03	6.46E-03	1.01E-02	2.07E-06	6.26E-06	3.62E-06	3.91E-06	3.54E-06	1.62E-06	2.54E-06	0.00E+00	0.00E+00	6.67E-07	1.33E-07	8.41E-07	1.30E-07	1.96E-07	1.97E-06
4350	483863.1	3857377	7.26E-03	7.82E-03	1.23E-02	2.51E-06	7.59E-06	4.39E-06	4.73E-06	4.29E-06	1.96E-06	3.07E-06	0.00E+00	0.00E+00	8.08E-07	1.61E-07	1.02E-06	1.57E-07	2.38E-07	2.38E-06
4351	484363.1	3857377	8.94E-03	9.63E-03	1.51E-02	3.09E-06	9.34E-06	5.41E-06	5.83E-06	5.28E-06	2.41E-06	3.77E-06	0.00E+00	0.00E+00	9.95E-07	1.98E-07	1.25E-06	1.93E-07	2.92E-07	2.93E-06
4352	484863.1	3857377	1.15E-02	1.24E-02	1.93E-02	3.98E-06	1.20E-05	6.95E-06	7.49E-06	6.79E-06	3.10E-06	4.83E-06	0.00E+00	0.00E+00	1.28E-06	2.54E-07	1.61E-06	2.49E-07	3.74E-07	3.77E-06
4353	485363.1	3857377	1.58E-02	1.70E-02	2.64E-02	5.46E-06	1.65E-05	9.54E-06	1.03E-05	9.30E-06	4.25E-06	6.61E-06	0.00E+00	0.00E+00	1.75E-06	3.48E-07	2.21E-06	3.41E-07	5.11E-07	5.17E-06
4354	485863.1	3857377	2.56E-02	2.76E-02	4.27E-02	8.87E-06	2.68E-05	1.55E-05	1.67E-05	1.51E-05	6.90E-06	1.07E-05	0.00E+00	0.00E+00	2.85E-06	5.66E-07	3.59E-06	5.54E-07	8.28E-07	8.39E-06
4355	486363.1	3857377	1.17E-01	1.26E-01	1.96E-01	4.06E-05	1.23E-04	7.10E-05	7.65E-05	6.93E-05	3.16E-05	4.91E-05	0.00E+00	0.00E+00	1.31E-05	2.59E-06	1.65E-05	2.54E-06	3.80E-06	3.85E-05
4356	486863.1	3857377	1.25E-01	1.35E-01	2.14E-01	4.32E-05	1.31E-04	7.56E-05	8.15E-05	7.39E-05	3.37E-05	5.36E-05	0.00E+00	0.00E+00	1.39E-05	2.77E-06	1.76E-05	2.71E-06	4.15E-06	4.11E-05
4357	487363.1	3857377	6.01E-02	6.50E-02	1.05E-01	2.08E-05	6.28E-05	3.63E-05	3.93E-05	3.56E-05	1.63E-05	2.62E-05	0.00E+00	0.00E+00	6.69E-06	1.33E-06	8.47E-06	1.31E-06	2.03E-06	1.98E-05
4358	487863.1	3857377	4.05E-02	4.38E-02	7.05E-02	1.40E-05	4.23E-05	2.45E-05	2.65E-05	2.40E-05	1.10E-05	1.77E-05	0.00E+00	0.00E+00	4.50E-06	8.99E-07	5.70E-06	8.79E-07	1.37E-06	1.34E-05
4359	488363.1	3857377	3.02E-02	3.27E-02	5.26E-02	1.05E-05	3.16E-05	1.83E-05	1.98E-05	1.79E-05	8.19E-06	1.32E-05	0.00E+00	0.00E+00	3.37E-06	6.72E-07	4.26E-06	6.57E-07	1.02E-06	9.98E-06
4360	488863.1	3857377	2.39E-02	2.59E-02	4.16E-02	8.28E-06	2.50E-05	1.45E-05	1.57E-05	1.42E-05	6.47E-06	1.04E-05	0.00E+00	0.00E+00	2.66E-06	5.31E-07	3.37E-06	5.20E-07	8.05E-07	7.89E-06
4361	489363.1	3857377	1.96E-02	2.12E-02	3.41E-02	6.79E-06	2.05E-05	1.19E-05	1.28E-05	1.16E-05	5.31E-06	8.52E-06	0.00E+00	0.00E+00	2.18E-06	4.36E-07	2.76E-06	4.26E-07	6.60E-07	6.47E-06
4362	489863.1	3857377	1.64E-02	1.77E-02	2.85E-02	5.68E-06	1.71E-05	9.92E-06	1.07E-05	9.73E-06	4.44E-06	7.13E-06	0.00E+00	0.00E+00	1.83E-06	3.64E-07	2.31E-06	3.56E-07	5.52E-07	5.41E-06
4363	490363.1	3857377	1.39E-02	1.50E-02	2.41E-02	4.80E-06	1.45E-05	8.39E-06	9.07E-06	8.22E-06	3.75E-06	6.02E-06	0.00E+00	0.00E+00	1.54E-06	3.08E-07	1.95E-06	3.01E-07	4.66E-07	4.57E-06
4364	490863.1	3857377	1.19E-02	1.29E-02	2.06E-02	4.12E-06	1.24E-05	7.20E-06	7.78E-06	7.05E-06	3.22E-06	5.16E-06	0.00E+00	0.00E+00	1.32E-06	2.64E-07	1.68E-06	2.58E-07	3.99E-07	3.92E-06
4365	491363.1	3857377	1.03E-02	1.11E-02	1.79E-02	3.57E-06	1.08E-05	6.24E-06	6.75E-06	6.12E-06	2.79E-06	4.47E-06	0.00E+00	0.00E+00	1.15E-06	2.29E-07	1.45E-06	2.24E-07	3.46E-07	3.40E-06
4366	491863.1	3857377	8.79E-03	9.50E-03	1.52E-02	3.04E-06	9.19E-06	5.32E-06	5.75E-06	5.21E-06	2.38E-06	3.81E-06	0.00E+00	0.00E+00	9.79E-07	1.95E-07	1.24E-06	1.91E-07	2.95E-07	2.90E-06
4367	492363.1	3857377	6.38E-03	6.90E-03	1.10E-02	2.21E-06	6.67E-06	3.86E-06	4.17E-06	3.78E-06	1.73E-06	2.76E-06	0.00E+00	0.00E+00	7.11E-07	1.42E-07	8.99E-07	1.39E-07	2.14E-07	2.10E-06
4368	492863.1	3857377	4.35E-03	4.70E-03	7.50E-03	1.51E-06	4.55E-06	2.63E-06	2.84E-06	2.58E-06	1.18E-06	1.88E-06	0.00E+00	0.00E+00	4.84E-07	9.65E-08	6.13E-07	9.45E-08	1.45E-07	1.43E-06
4369	493363.1	3857377	2.97E-03	3.21E-03	5.12E-03	1.03E-06	3.11E-06	1.80E-06	1.94E-06	1.76E-06	8.04E-07	1.28E-06	0.00E+00	0.00E+00	3.31E-07	6.59E-08	4.18E-07	6.45E-08	9.92E-08	9.79E-07
4370	493863.1	3857377	2.43E-03	2.62E-03	4.17E-03	8.40E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.56E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.42E-07	5.27E-08	8.09E-08	7.99E-07
4371	494363.1	3857377	1.96E-03	2.11E-03	3.36E-03	6.78E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.29E-07	8.42E-07	0.00E+00	0.00E+00	2.18E-07	4.34E-08	2.75E-07	4.25E-08	6.52E-08	6.44E-07
4372	494863.1	3857377	1.73E-03	1.86E-03	2.96E-03	5.97E-07	1.80E-06	1.04E-06	1.13E-06	1.02E-06	4.66E-07	7.42E-07	0.00E+00	0.00E+00	1.92E-07	3.83E-08	2.43E-07	3.74E-08	5.74E-08	5.68E-07
4373	495363.1	3857377	1.55E-03	1.67E-03	2.66E-03	5.35E-07	1.62E-06	9.36E-07	1.01E-06	9.16E-07	4.18E-07	6.65E-07	0.00E+00	0.00E+00	1.72E-07	3.43E-08	2.18E-07	3.36E-08	5.15E-08	5.09E-07
4374	495863.1	3857377	1.47E-03	1.59E-03	2.53E-03	5.10E-07	1.54E-06	8.92E-07	9.63E-07	8.73E-07	3.98E-07	6.33E-07	0.00E+00	0.00E+00	1.64E-07	3.27E-08	2.07E-07	3.20E-08	4.90E-08	4.85E-07
4375	496363.1	3857377	1.43E-03	1.54E-03	2.46E-03	4.95E-07	1.49E-06	8.65E-07	9.34E-07	8.47E-07	3.86E-07	6.15E-07	0.00E+00	0.00E+00	1.59E-07	3.17E-08	2.01E-07	3.10E-08	4.76E-08	4.71E-07
4376	496863.1	3857377	1.41E-03	1.52E-03	2.42E-03	4.88E-07	1.47E-06	8.54E-07	9.22E-07	8.35E-07	3.81E-07	6.07E-07	0.00E+00	0.00E+00	1.57E-07	3.13E-08	1.98E-07	3.06E-08	4.70E-08	4.64E-07
4377	497363.1	3857377	1.46E-03	1.57E-03	2.50E-03	5.04E-07	1.52E-06	8.81E-07	9.52E-07	8.63E-07	3.94E-07	6.27E-07	0.00E+00	0.00E+00	1.62E-07	3.23E-08	2.05E-07	3.16E-08	4.85E-08	4.80E-07
4378	497863.1	3857377	1.56E-03	1.68E-03	2.68E-03	5.39E-07	1.63E-06	9.41E-07	1.02E-06	9.22E-07	4.20E-07	6.70E-07	0.00E+00	0.00E+00	1.73E-07	3.45E-08	2.19E-07	3.38E-08	5.19E-08	5.12E-07
4379	498363.1	3857377	1.86E-03	2.01E-03	3.20E-03	6.43E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.02E-07	8.01E-07	0.00E+00	0.00E+00	2.07E-07	4.12E-08	2.62E-07	4.03E-08	6.20E-08	6.12E-07
4380	471363.1	3857877	3.70E-04	3.99E-04	6.33E-04	1.28E-07	3.87E-07	2.24E-07	2.42E-07	2.19E-07	1.00E-07	1.59E-07	0.00E+00	0.00E+00	4.12E-08	8.20E-09	5.21E-08	8.03E-09	1.23E-08	1.22E-07
4381	471863.1	3857877	3.85E-04	4.15E-04	6.58E-04	1.33E-07	4.02E-07	2.33E-07	2.51E-07	2.28E-07	1.04E-07	1.65E-07	0.00E+00	0.00E+00	4.28E-08	8.52E-09	5.41E-08	8.34E-09	1.28E-08	1.27E-07
4382	472363.1	3857877	4.09E-04	4.41E-04	7.00E-04	1.42E-07	4.27E-07	2.47E-07	2.67E-07	2.42E-07	1.10E-07	1.75E-07	0.00E+00	0.00E+00	4.55E-08	9.06E-09	5.75E-08	8.87E-09	1.36E-08	1.35E-07

4383	472863.1	3857877	4.52E-04	4.88E-04	7.74E-04	1.56E-07	4.72E-07	2.73E-07	2.95E-07	2.67E-07	1.22E-07	1.94E-07	0.00E+00	0.00E+00	5.03E-08	1.00E-08	6.35E-08	9.80E-09	1.50E-08	1.49E-07
4384	473363.1	3857877	4.82E-04	5.21E-04	8.26E-04	1.67E-07	5.04E-07	2.92E-07	3.15E-07	2.86E-07	1.30E-07	2.07E-07	0.00E+00	0.00E+00	5.37E-08	1.07E-08	6.78E-08	1.05E-08	1.60E-08	1.59E-07
4385	473863.1	3857877	5.30E-04	5.72E-04	9.08E-04	1.84E-07	5.54E-07	3.21E-07	3.46E-07	3.14E-07	1.43E-07	2.27E-07	0.00E+00	0.00E+00	5.90E-08	1.18E-08	7.46E-08	1.15E-08	1.76E-08	1.74E-07
4386	474363.1	3857877	4.81E-04	5.19E-04	8.23E-04	1.67E-07	5.03E-07	2.91E-07	3.14E-07	2.85E-07	1.30E-07	2.06E-07	0.00E+00	0.00E+00	5.35E-08	1.07E-08	6.76E-08	1.04E-08	1.59E-08	1.58E-07
4387	474863.1	3857877	3.41E-04	3.67E-04	5.81E-04	1.18E-07	3.56E-07	2.06E-07	2.22E-07	2.02E-07	9.20E-08	1.45E-07	0.00E+00	0.00E+00	3.79E-08	7.55E-09	4.79E-08	7.39E-09	1.13E-08	1.12E-07
4388	475363.1	3857877	1.96E-04	2.11E-04	3.34E-04	6.78E-08	2.05E-07	1.18E-07	1.28E-07	1.16E-07	5.29E-08	8.36E-08	0.00E+00	0.00E+00	2.18E-08	4.34E-09	2.75E-08	4.25E-09	6.47E-09	6.44E-08
4389	475863.1	3857877	1.01E-04	1.09E-04	1.72E-04	3.50E-08	1.06E-07	6.12E-08	6.60E-08	5.98E-08	2.73E-08	4.31E-08	0.00E+00	0.00E+00	1.13E-08	2.24E-09	1.42E-08	2.19E-09	3.34E-09	3.33E-08
4390	476363.1	3857877	2.26E-04	2.44E-04	3.85E-04	7.82E-08	2.36E-07	1.37E-07	1.47E-07	1.34E-07	6.10E-08	9.65E-08	0.00E+00	0.00E+00	2.52E-08	5.01E-09	3.18E-08	4.90E-09	7.47E-09	7.43E-08
4391	476863.1	3857877	2.84E-04	3.07E-04	4.85E-04	9.84E-08	2.97E-07	1.72E-07	1.86E-07	1.68E-07	7.68E-08	1.21E-07	0.00E+00	0.00E+00	3.16E-08	6.30E-09	4.00E-08	6.16E-09	9.39E-09	9.35E-08
4392	477363.1	3857877	2.80E-04	3.02E-04	4.76E-04	9.69E-08	2.93E-07	1.69E-07	1.83E-07	1.66E-07	7.55E-08	1.19E-07	0.00E+00	0.00E+00	3.12E-08	6.20E-09	3.93E-08	6.07E-09	9.23E-09	9.20E-08
4393	477863.1	3857877	2.75E-04	2.97E-04	4.69E-04	9.53E-08	2.88E-07	1.67E-07	1.80E-07	1.63E-07	7.43E-08	1.17E-07	0.00E+00	0.00E+00	3.06E-08	6.10E-09	3.87E-08	5.97E-09	9.08E-09	9.05E-08
4394	478363.1	3857877	1.64E-04	1.76E-04	2.78E-04	5.67E-08	1.71E-07	9.90E-08	1.07E-07	9.68E-08	4.42E-08	6.96E-08	0.00E+00	0.00E+00	1.82E-08	3.62E-09	2.30E-08	3.55E-09	5.39E-09	5.38E-08
4395	478863.1	3857877	1.39E-04	1.50E-04	2.36E-04	4.83E-08	1.46E-07	8.44E-08	9.10E-08	8.25E-08	3.76E-08	5.92E-08	0.00E+00	0.00E+00	1.55E-08	3.09E-09	1.96E-08	3.02E-09	4.58E-09	4.58E-08
4396	479363.1	3857877	6.39E-04	6.89E-04	1.09E-03	2.21E-07	6.68E-07	3.86E-07	4.17E-07	3.78E-07	1.72E-07	2.72E-07	0.00E+00	0.00E+00	7.11E-08	1.41E-08	8.97E-08	1.38E-08	2.10E-08	2.10E-07
4397	479863.1	3857877	1.40E-03	1.51E-03	2.38E-03	4.83E-07	1.46E-06	8.44E-07	9.11E-07	8.26E-07	3.77E-07	5.97E-07	0.00E+00	0.00E+00	1.55E-07	3.09E-08	1.96E-07	3.03E-08	4.62E-08	4.59E-07
4398	480363.1	3857877	1.85E-03	1.99E-03	3.16E-03	6.39E-07	1.93E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.91E-07	0.00E+00	0.00E+00	2.06E-07	4.09E-08	2.60E-07	4.00E-08	6.12E-08	6.07E-07
4399	480863.1	3857877	2.13E-03	2.29E-03	3.64E-03	7.36E-07	2.22E-06	1.29E-06	1.39E-06	1.26E-06	5.74E-07	9.11E-07	0.00E+00	0.00E+00	2.37E-07	4.71E-08	2.99E-07	4.61E-08	7.05E-08	6.99E-07
4400	481363.1	3857877	2.46E-03	2.66E-03	4.22E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.46E-07	5.34E-08	8.17E-08	8.10E-07
4401	481863.1	3857877	2.96E-03	3.19E-03	5.06E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.99E-07	1.27E-06	0.00E+00	0.00E+00	3.29E-07	6.55E-08	4.16E-07	6.41E-08	9.80E-08	9.73E-07
4402	482363.1	3857877	3.71E-03	4.00E-03	6.32E-03	1.28E-06	3.88E-06	2.25E-06	2.42E-06	2.20E-06	1.00E-06	1.58E-06	0.00E+00	0.00E+00	4.13E-07	8.22E-08	5.22E-07	8.04E-08	1.23E-07	1.22E-06
4403	482863.1	3857877	4.25E-03	4.58E-03	7.20E-03	1.47E-06	4.44E-06	2.57E-06	2.77E-06	2.51E-06	1.15E-06	1.80E-06	0.00E+00	0.00E+00	4.73E-07	9.40E-08	5.96E-07	9.20E-08	1.40E-07	1.39E-06
4404	483363.1	3857877	4.87E-03	5.25E-03	8.24E-03	1.69E-06	5.09E-06	2.95E-06	3.17E-06	2.88E-06	1.31E-06	2.06E-06	0.00E+00	0.00E+00	5.42E-07	1.08E-07	6.84E-07	1.05E-07	1.60E-07	1.60E-06
4405	483863.1	3857877	5.69E-03	6.13E-03	9.62E-03	1.97E-06	5.95E-06	3.44E-06	3.71E-06	3.36E-06	1.53E-06	2.41E-06	0.00E+00	0.00E+00	6.33E-07	1.26E-07	7.99E-07	1.23E-07	1.86E-07	1.87E-06
4406	484363.1	3857877	6.72E-03	7.24E-03	1.13E-02	2.32E-06	7.02E-06	4.06E-06	4.38E-06	3.97E-06	1.81E-06	2.84E-06	0.00E+00	0.00E+00	7.48E-07	1.49E-07	9.43E-07	1.45E-07	2.20E-07	2.20E-06
4407	484863.1	3857877	8.14E-03	8.76E-03	1.37E-02	2.82E-06	8.50E-06	4.92E-06	5.30E-06	4.81E-06	2.19E-06	3.43E-06	0.00E+00	0.00E+00	9.06E-07	1.80E-07	1.14E-06	1.76E-07	2.66E-07	2.67E-06
4408	485363.1	3857877	1.02E-02	1.09E-02	1.71E-02	3.52E-06	1.06E-05	6.15E-06	6.62E-06	6.00E-06	2.74E-06	4.28E-06	0.00E+00	0.00E+00	1.13E-06	2.25E-07	1.43E-06	2.20E-07	3.31E-07	3.33E-06
4409	485863.1	3857877	1.35E-02	1.45E-02	2.26E-02	4.66E-06	1.41E-05	8.15E-06	8.77E-06	7.95E-06	3.63E-06	5.66E-06	0.00E+00	0.00E+00	1.50E-06	2.98E-07	1.89E-06	2.91E-07	4.38E-07	4.42E-06
4410	486363.1	3857877	2.00E-02	2.15E-02	3.35E-02	6.92E-06	2.09E-05	1.21E-05	1.30E-05	1.18E-05	5.38E-06	8.39E-06	0.00E+00	0.00E+00	2.22E-06	4.42E-07	2.80E-06	4.32E-07	6.50E-07	6.55E-06
4411	486863.1	3857877	4.45E-02	4.79E-02	7.49E-02	1.54E-05	4.65E-05	2.69E-05	2.90E-05	2.63E-05	1.20E-05	1.87E-05	0.00E+00	0.00E+00	4.95E-06	9.85E-07	6.25E-06	9.63E-07	1.45E-06	1.46E-05
4412	487363.1	3857877	1.34E-01	1.44E-01	2.24E-01	4.64E-05	1.40E-04	8.12E-05	8.73E-05	7.92E-05	3.61E-05	5.61E-05	0.00E+00	0.00E+00	1.49E-05	2.96E-06	1.88E-05	2.90E-06	4.34E-06	4.39E-05
4413	487863.1	3857877	5.95E-02	6.44E-02	1.04E-01	2.06E-05	6.22E-05	3.60E-05	3.90E-05	3.53E-05	1.61E-05	2.61E-05	0.00E+00	0.00E+00	6.62E-06	1.32E-06	8.39E-06	1.29E-06	2.02E-06	1.97E-05
4414	488363.1	3857877	3.64E-02	3.94E-02	6.36E-02	1.26E-05	3.81E-05	2.20E-05	2.38E-05	2.16E-05	9.86E-06	1.59E-05	0.00E+00	0.00E+00	4.05E-06	8.09E-07	5.14E-06	7.92E-07	1.23E-06	1.20E-05
4415	488863.1	3857877	2.63E-02	2.84E-02	4.58E-02	9.10E-06	2.75E-05	1.59E-05	1.72E-05	1.56E-05	7.12E-06	1.15E-05	0.00E+00	0.00E+00	2.93E-06	5.84E-07	3.71E-06	5.72E-07	8.87E-07	8.68E-06
4416	489363.1	3857877	2.04E-02	2.21E-02	3.55E-02	7.06E-06	2.13E-05	1.23E-05	1.34E-05	1.21E-05	5.52E-06	8.89E-06	0.00E+00	0.00E+00	2.27E-06	4.53E-07	2.88E-06	4.43E-07	6.88E-07	6.73E-06
4417	489863.1	3857877	1.64E-02	1.77E-02	2.84E-02	5.66E-06	1.71E-05	9.90E-06	1.07E-05	9.70E-06	4.43E-06	7.12E-06	0.00E+00	0.00E+00	1.82E-06	3.63E-07	2.31E-06	3.56E-07	5.51E-07	5.40E-06
4418	490363.1	3857877	1.35E-02	1.46E-02	2.34E-02	4.68E-06	1.41E-05	8.18E-06	8.84E-06	8.02E-06	3.66E-06	5.87E-06	0.00E+00	0.00E+00	1.50E-06	3.00E-07	1.90E-06	2.94E-07	4.54E-07	4.46E-06
4419	490863.1	3857877	1.14E-02	1.23E-02	1.98E-02	3.95E-06	1.19E-05	6.91E-06	7.47E-06	6.77E-06	3.09E-06	4.94E-06	0.00E+00	0.00E+00	1.27E-06	2.53E-07	1.61E-06	2.48E-07	3.83E-07	3.76E-06
4420	491363.1	3857877	9.60E-03	1.04E-02	1.66E-02	3.32E-06	1.00E-05	5.81E-06	6.28E-06	5.69E-06	2.60E-06	4.16E-06	0.00E+00	0.00E+00	1.07E-06	2.13E-07	1.35E-06	2.09E-07	3.22E-07	3.16E-06
4421	491863.1	3857877	7.80E-03	8.43E-03	1.35E-02	2.70E-06	8.15E-06	4.72E-06	5.10E-06	4.62E-06	2.11E-06	3.38E-06	0.00E+00	0.00E+00	8.68E-07	1.73E-07	1.10E-06	1.69E-07	2.62E-07	2.57E-06
4422	492363.1	3857877	5.28E-03	5.71E-03	9.12E-03	1.83E-06	5.52E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.28E-06	0.00E+00	0.00E+00	5.88E-07	1.17E-07	7.44E-07	1.15E-07	1.77E-07	1.74E-06
4423	492863.1	3857877	3.55E-03	3.83E-03	6.10E-03	1.23E-06	3.71E-06	2.15E-06	2.32E-06	2.10E-06	9.58E-07	1.53E-06	0.00E+00	0.00E+00	3.95E-07	7.86E-08	4.99E-07	7.70E-08	1.18E-07	1.17E-06
4424	493363.1	3857877	2.86E-03	3.09E-03	4.93E-03	9.92E-07	2.99E-06	1.73E-06	1.87E-06	1.70E-06	7.74E-07	1.23E-06	0.00E+00	0.00E+00	3.19E-07	6.35E-08	4.03E-07	6.22E-08	9.55E-08	9.43E-07
4425	493863.1	3857877	2.50E-03	2.70E-03	4.30E-03	8.65E-07	2.61E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.08E-06	0.00E+00	0.00E+00	2.78E-07	5.54E-08	3.52E-07	5.42E-08	8.33E-08	8.23E-07
4426	494363.1	3857877	2.24E-03	2.42E-03	3.85E-03	7.75E-07	2.34E-06	1.35E-06	1.46E-06	1.33E-06	6.05E-07	9.63E-07	0.00E+00	0.00E+00	2.49E-07	4.96E-08	3.15E-07	4.86E-08	7.45E-08	7.37E-07
4427	494863.1	3857877	1.89E-03	2.04E-03	3.25E-03	6.56E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.14E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.66E-07	4.11E-08	6.30E-08	6.23E-07
4428	495363.1	3857877	1.75E-03	1.89E-03	3.01E-03	6.07E-07	1.83E-06	1.06E-06	1.15E-06	1.04E-06	4.74E-07	7.54E-07	0.00E+00	0.00E+00	1.95E-07	3.89E-08	2.47E-07	3.80E-08	5.84E-08	5.77E-07
4429	495863.1	3857877	1.63E-03	1.76E-03	2.81E-03	5.66E-07	1.71E-06	9.89E-07	1.07E-06	9.68E-07	4.42E-07	7.02E-07	0.00E+00	0.00E+00	1.82E-07	3.62E-08	2.30E-07	3.55E-08	5.44E-08	5.38E-07
4430	496363.1	3857877	1.61E-03	1.74E-03	2.77E-03	5.58E-07	1.68E-06	9.75E-07	1.05E-06	9.54E-07	4.35E-07	6.93E-07	0.00E+00	0.00E+00	1.79E-07	3.57E-08	2.27E-07	3.50E-08	5.37E-08	5.30E-07
4431	496863.1	3857877	1.60E-03	1.72E-03	2.74E-03	5.52E-07	1.67E-06	9.65E-07	1.04E-06	9.45E-07	4.31E-07	6.86E-07	0.00E+00	0.00E+00	1.78E-07	3.54E-08	2.24E-07	3.46E-08	5.31E-08	5.25E-07
4432	497363.1	3857877	1.55E-03	1.68E-03	2.67E-03	5.38E-07	1.63E-06	9.41E-07	1.02E-06	9.21E-07	4.20E-07	6.69E-07	0.00E+00	0.00E+00	1.73E-07	3.45E-08	2.19E-07	3.37E-08	5.18E-08	5.12E-07
4433	497863.1	3857877	1.74E-03	1.88E-03	2.99E-03	6.02E-07	1.82E-06	1.05E-06	1.14E-06	1.03E-06	4.70E-07	7.49E-07	0.00E+00	0.00E+00	1.94E-07	3.86E-08	2.45E-07	3.78E-08	5.80E-08	5.73E-07
4434	498363.1	3857877	1.93E-03	2.08E-03	3.32E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.31E-07	0.00E+00	0.00E+00	2.14E-07	4.27E-08	2.71E-07	4.18E-08	6.43E-08	6.35E-07
4435	471363.1	3858377	3.87E-04	4.18E-04	6.62E-04	1.34E-07	4.04E-07	2.34E-07	2.53E-07	2.29E-07	1.05E-07	1.66E-07	0.00E+00	0.00E+00	4.31E-08	8.58E-09	5.44E-08	8.39E-09	1.28E-08	1.27E-07
4436	471863.1	3858377	4.03E-04	4.35E-04	6.90E-04	1.40E-07	4.21E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.73E-07	0.00E+00	0.00E+00	4.49E-08	8.93E-09	5.67E-08	8.74E-09	1.34E-08	1.33E-07
4437	472363.1	3858377	4.21E-04	4.54E-04	7.20E-04	1.46E-07	4.40E-07	2.55E-07	2.75E-07	2.49E-07	1.14E-07	1.80E-07	0.00E+00	0.00E+00	4.68E-08	9.33E-09	5.92E-08	9.13E-09	1.39E-08	1.38E-07
4438	472863.1	3858377	4.55E-04	4.91E-04	7.78E-04	1.58E-07	4.76E-07	2.75E-07	2.97E-07	2.69E-07	1.23E-07	1.95E-07	0.00E+00	0.00E+00	5.07E-08	1.01E-08	6.40E-08	9.87E-09	1.51E-08	1.50E-07
4439	473363.1	3858377	5.21E-04	5.62E-04	8.91E-04	1.80E-07	5.45E-07	3.15E-07	3.40E-07	3.08E-07	1.41E-07	2.23E-07	0.00E+00	0.00E+00	5.80E-08	1.15E-08	7.33E-08	1.13E-08	1.73E-08	1.71E-07

4440	473863.1	3858377	5.27E-04	5.69E-04	9.01E-04	1.82E-07	5.51E-07	3.19E-07	3.44E-07	3.12E-07	1.42E-07	2.26E-07	0.00E+00	0.00E+00	5.87E-08	1.17E-08	7.41E-08	1.14E-08	1.75E-08	1.73E-07
4441	474363.1	3858377	4.58E-04	4.95E-04	7.83E-04	1.59E-07	4.79E-07	2.77E-07	2.99E-07	2.71E-07	1.24E-07	1.96E-07	0.00E+00	0.00E+00	5.10E-08	1.02E-08	6.45E-08	9.94E-09	1.52E-08	1.51E-07
4442	474863.1	3858377	3.53E-04	3.81E-04	6.02E-04	1.22E-07	3.69E-07	2.14E-07	2.30E-07	2.09E-07	9.53E-08	1.51E-07	0.00E+00	0.00E+00	3.93E-08	7.82E-09	4.96E-08	7.65E-09	1.17E-08	1.16E-07
4443	475363.1	3858377	2.34E-04	2.52E-04	3.98E-04	8.09E-08	2.44E-07	1.41E-07	1.53E-07	1.38E-07	6.31E-08	9.96E-08	0.00E+00	0.00E+00	2.60E-08	5.18E-09	3.29E-08	5.07E-09	7.71E-09	7.68E-08
4444	475863.1	3858377	1.74E-04	1.88E-04	2.96E-04	6.02E-08	1.82E-07	1.05E-07	1.13E-07	1.03E-07	4.69E-08	7.40E-08	0.00E+00	0.00E+00	1.94E-08	3.85E-09	2.44E-08	3.77E-09	5.73E-09	5.72E-08
4445	476363.1	3858377	1.91E-04	2.06E-04	3.24E-04	6.61E-08	1.99E-07	1.15E-07	1.25E-07	1.13E-07	5.15E-08	8.12E-08	0.00E+00	0.00E+00	2.12E-08	4.23E-09	2.68E-08	4.14E-09	6.29E-09	6.27E-08
4446	476863.1	3858377	2.14E-04	2.31E-04	3.64E-04	7.41E-08	2.24E-07	1.30E-07	1.40E-07	1.27E-07	5.78E-08	9.11E-08	0.00E+00	0.00E+00	2.38E-08	4.74E-09	3.01E-08	4.64E-09	7.05E-09	7.04E-08
4447	477363.1	3858377	2.04E-04	2.20E-04	3.47E-04	7.08E-08	2.14E-07	1.24E-07	1.33E-07	1.21E-07	5.52E-08	8.69E-08	0.00E+00	0.00E+00	2.28E-08	4.53E-09	2.87E-08	4.43E-09	6.73E-09	6.72E-08
4448	477863.1	3858377	2.74E-04	2.96E-04	4.66E-04	9.49E-08	2.86E-07	1.66E-07	1.79E-07	1.62E-07	7.40E-08	1.17E-07	0.00E+00	0.00E+00	3.05E-08	6.07E-09	3.85E-08	5.94E-09	9.03E-09	9.01E-08
4449	478363.1	3858377	2.98E-04	3.21E-04	5.06E-04	1.03E-07	3.11E-07	1.80E-07	1.94E-07	1.76E-07	8.04E-08	1.27E-07	0.00E+00	0.00E+00	3.32E-08	6.60E-09	4.19E-08	6.46E-09	9.80E-09	9.79E-08
4450	478863.1	3858377	2.09E-04	2.25E-04	3.54E-04	7.23E-08	2.18E-07	1.26E-07	1.36E-07	1.24E-07	5.64E-08	8.86E-08	0.00E+00	0.00E+00	2.33E-08	4.62E-09	2.93E-08	4.53E-09	6.86E-09	6.86E-08
4451	479363.1	3858377	6.72E-04	7.24E-04	1.14E-03	2.33E-07	7.02E-07	4.07E-07	4.38E-07	3.97E-07	1.81E-07	2.86E-07	0.00E+00	0.00E+00	7.48E-08	1.49E-08	9.44E-08	1.46E-08	2.21E-08	2.21E-07
4452	479863.1	3858377	1.44E-03	1.56E-03	2.47E-03	5.00E-07	1.51E-06	8.74E-07	9.43E-07	8.55E-07	3.90E-07	6.18E-07	0.00E+00	0.00E+00	1.61E-07	3.20E-08	2.03E-07	3.13E-08	4.79E-08	4.75E-07
4453	480363.1	3858377	1.81E-03	1.95E-03	3.09E-03	6.26E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.74E-07	0.00E+00	0.00E+00	2.01E-07	4.01E-08	2.54E-07	3.92E-08	5.99E-08	5.94E-07
4454	480863.1	3858377	2.03E-03	2.19E-03	3.48E-03	7.03E-07	2.12E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.70E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.86E-07	4.40E-08	6.74E-08	6.68E-07
4455	481363.1	3858377	2.32E-03	2.50E-03	3.97E-03	8.03E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.26E-07	9.93E-07	0.00E+00	0.00E+00	2.58E-07	5.14E-08	3.26E-07	5.03E-08	7.69E-08	7.63E-07
4456	481863.1	3858377	2.61E-03	2.82E-03	4.46E-03	9.04E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.05E-07	1.12E-06	0.00E+00	0.00E+00	2.91E-07	5.79E-08	3.67E-07	5.66E-08	8.65E-08	8.59E-07
4457	482363.1	3858377	3.03E-03	3.27E-03	5.18E-03	1.05E-06	3.17E-06	1.83E-06	1.98E-06	1.79E-06	8.19E-07	1.30E-06	0.00E+00	0.00E+00	3.37E-07	6.72E-08	4.26E-07	6.57E-08	1.00E-07	9.97E-07
4458	482863.1	3858377	3.67E-03	3.96E-03	6.25E-03	1.27E-06	3.83E-06	2.22E-06	2.39E-06	2.17E-06	9.90E-07	1.56E-06	0.00E+00	0.00E+00	4.08E-07	8.13E-08	5.16E-07	7.95E-08	1.21E-07	1.21E-06
4459	483363.1	3858377	4.08E-03	4.40E-03	6.91E-03	1.41E-06	4.26E-06	2.47E-06	2.66E-06	2.41E-06	1.10E-06	1.73E-06	0.00E+00	0.00E+00	4.54E-07	9.03E-08	5.73E-07	8.83E-08	1.34E-07	1.34E-06
4460	483863.1	3858377	4.53E-03	4.88E-03	7.66E-03	1.57E-06	4.73E-06	2.74E-06	2.95E-06	2.68E-06	1.22E-06	1.92E-06	0.00E+00	0.00E+00	5.04E-07	1.00E-07	6.36E-07	9.81E-08	1.48E-07	1.49E-06
4461	484363.1	3858377	5.22E-03	5.62E-03	8.81E-03	1.81E-06	5.45E-06	3.16E-06	3.40E-06	3.08E-06	1.41E-06	2.21E-06	0.00E+00	0.00E+00	5.81E-07	1.15E-07	7.32E-07	1.13E-07	1.71E-07	1.71E-06
4462	484863.1	3858377	6.03E-03	6.49E-03	1.02E-02	2.09E-06	6.30E-06	3.65E-06	3.93E-06	3.56E-06	1.63E-06	2.55E-06	0.00E+00	0.00E+00	6.71E-07	1.33E-07	8.46E-07	1.31E-07	1.97E-07	1.98E-06
4463	485363.1	3858377	6.99E-03	7.53E-03	1.18E-02	2.42E-06	7.30E-06	4.23E-06	4.55E-06	4.13E-06	1.88E-06	2.95E-06	0.00E+00	0.00E+00	7.78E-07	1.55E-07	9.81E-07	1.51E-07	2.28E-07	2.29E-06
4464	485863.1	3858377	8.36E-03	9.00E-03	1.41E-02	2.89E-06	8.73E-06	5.06E-06	5.44E-06	4.94E-06	2.25E-06	3.52E-06	0.00E+00	0.00E+00	9.30E-07	1.85E-07	1.17E-06	1.81E-07	2.73E-07	2.74E-06
4465	486363.1	3858377	1.03E-02	1.10E-02	1.72E-02	3.55E-06	1.07E-05	6.21E-06	6.68E-06	6.06E-06	2.76E-06	4.31E-06	0.00E+00	0.00E+00	1.14E-06	2.27E-07	1.44E-06	2.22E-07	3.34E-07	3.36E-06
4466	486863.1	3858377	1.30E-02	1.40E-02	2.18E-02	4.51E-06	1.36E-05	7.88E-06	8.48E-06	7.69E-06	3.51E-06	5.47E-06	0.00E+00	0.00E+00	1.45E-06	2.88E-07	1.83E-06	2.82E-07	4.23E-07	4.27E-06
4467	487363.1	3858377	1.89E-02	2.03E-02	3.16E-02	6.54E-06	1.97E-05	1.14E-05	1.23E-05	1.11E-05	5.09E-06	7.92E-06	0.00E+00	0.00E+00	2.10E-06	4.17E-07	2.65E-06	4.08E-07	6.13E-07	6.19E-06
4468	487863.1	3858377	6.01E-02	6.50E-02	1.05E-01	2.08E-05	6.28E-05	3.63E-05	3.93E-05	3.57E-05	1.63E-05	2.63E-05	0.00E+00	0.00E+00	6.69E-06	1.33E-06	8.47E-06	1.31E-06	2.04E-06	1.98E-05
4469	488363.1	3858377	3.90E-02	4.22E-02	6.76E-02	1.35E-05	4.08E-05	2.36E-05	2.55E-05	2.31E-05	1.06E-05	1.69E-05	0.00E+00	0.00E+00	4.35E-06	8.67E-07	5.50E-06	8.48E-07	1.31E-06	1.29E-05
4470	488863.1	3858377	2.29E-02	2.47E-02	3.91E-02	7.91E-06	2.39E-05	1.38E-05	1.49E-05	1.35E-05	6.17E-06	9.78E-06	0.00E+00	0.00E+00	2.54E-06	5.06E-07	3.21E-06	4.96E-07	7.57E-07	7.52E-06
4471	489363.1	3858377	1.71E-02	1.84E-02	2.92E-02	5.90E-06	1.78E-05	1.03E-05	1.11E-05	1.01E-05	4.61E-06	7.30E-06	0.00E+00	0.00E+00	1.90E-06	3.78E-07	2.40E-06	3.70E-07	5.65E-07	5.61E-06
4472	489863.1	3858377	1.37E-02	1.48E-02	2.34E-02	4.74E-06	1.43E-05	8.28E-06	8.94E-06	8.10E-06	3.70E-06	5.86E-06	0.00E+00	0.00E+00	1.52E-06	3.03E-07	1.93E-06	2.97E-07	4.54E-07	4.50E-06
4473	490363.1	3858377	1.14E-02	1.23E-02	1.95E-02	3.95E-06	1.19E-05	6.90E-06	7.45E-06	6.75E-06	3.08E-06	4.89E-06	0.00E+00	0.00E+00	1.27E-06	2.53E-07	1.60E-06	2.47E-07	3.79E-07	3.75E-06
4474	490863.1	3858377	9.73E-03	1.05E-02	1.67E-02	3.37E-06	1.02E-05	5.89E-06	6.36E-06	5.76E-06	2.63E-06	4.18E-06	0.00E+00	0.00E+00	1.08E-06	2.16E-07	1.37E-06	2.11E-07	3.24E-07	3.20E-06
4475	491363.1	3858377	8.20E-03	8.86E-03	1.41E-02	2.84E-06	8.57E-06	4.96E-06	5.36E-06	4.86E-06	2.22E-06	3.53E-06	0.00E+00	0.00E+00	9.13E-07	1.82E-07	1.15E-06	1.78E-07	2.74E-07	2.70E-06
4476	491863.1	3858377	6.11E-03	6.60E-03	1.06E-02	2.12E-06	6.39E-06	3.70E-06	4.00E-06	3.62E-06	1.65E-06	2.64E-06	0.00E+00	0.00E+00	6.80E-07	1.36E-07	8.61E-07	1.33E-07	2.05E-07	2.01E-06
4477	492363.1	3858377	3.85E-03	4.16E-03	6.63E-03	1.33E-06	4.03E-06	2.33E-06	2.52E-06	2.28E-06	1.04E-06	1.66E-06	0.00E+00	0.00E+00	4.29E-07	8.55E-08	5.42E-07	8.36E-08	1.28E-07	1.27E-06
4478	492863.1	3858377	3.93E-03	4.25E-03	6.77E-03	1.36E-06	4.11E-06	2.38E-06	2.57E-06	2.33E-06	1.06E-06	1.70E-06	0.00E+00	0.00E+00	4.38E-07	8.73E-08	5.54E-07	8.54E-08	1.31E-07	1.30E-06
4479	493363.1	3858377	3.26E-03	3.52E-03	5.61E-03	1.13E-06	3.41E-06	1.97E-06	2.13E-06	1.93E-06	8.81E-07	1.40E-06	0.00E+00	0.00E+00	3.63E-07	7.23E-08	4.59E-07	7.08E-08	1.09E-07	1.07E-06
4480	493863.1	3858377	2.89E-03	3.12E-03	4.97E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.81E-07	1.24E-06	0.00E+00	0.00E+00	3.22E-07	6.41E-08	4.07E-07	6.27E-08	9.63E-08	9.52E-07
4481	494363.1	3858377	2.52E-03	2.72E-03	4.33E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.80E-07	1.08E-06	0.00E+00	0.00E+00	2.80E-07	5.58E-08	3.54E-07	5.46E-08	8.39E-08	8.29E-07
4482	494863.1	3858377	2.22E-03	2.40E-03	3.82E-03	7.70E-07	2.32E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.57E-07	0.00E+00	0.00E+00	2.48E-07	4.93E-08	3.13E-07	4.83E-08	7.41E-08	7.32E-07
4483	495363.1	3858377	1.92E-03	2.08E-03	3.31E-03	6.66E-07	2.01E-06	1.16E-06	1.26E-06	1.14E-06	5.20E-07	8.27E-07	0.00E+00	0.00E+00	2.14E-07	4.27E-08	2.71E-07	4.18E-08	6.41E-08	6.34E-07
4484	495863.1	3858377	1.84E-03	1.99E-03	3.17E-03	6.38E-07	1.93E-06	1.11E-06	1.20E-06	1.09E-06	4.98E-07	7.92E-07	0.00E+00	0.00E+00	2.05E-07	4.08E-08	2.59E-07	4.00E-08	6.13E-08	6.06E-07
4485	496363.1	3858377	1.75E-03	1.89E-03	3.01E-03	6.06E-07	1.83E-06	1.06E-06	1.14E-06	1.04E-06	4.73E-07	7.53E-07	0.00E+00	0.00E+00	1.95E-07	3.88E-08	2.46E-07	3.80E-08	5.83E-08	5.76E-07
4486	496863.1	3858377	1.79E-03	1.93E-03	3.08E-03	6.20E-07	1.87E-06	1.08E-06	1.17E-06	1.06E-06	4.84E-07	7.71E-07	0.00E+00	0.00E+00	1.99E-07	3.97E-08	2.52E-07	3.89E-08	5.97E-08	5.90E-07
4487	497363.1	3858377	1.76E-03	1.90E-03	3.03E-03	6.11E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.77E-07	7.59E-07	0.00E+00	0.00E+00	1.96E-07	3.91E-08	2.48E-07	3.83E-08	5.88E-08	5.81E-07
4488	497863.1	3858377	1.91E-03	2.06E-03	3.29E-03	6.61E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.16E-07	8.23E-07	0.00E+00	0.00E+00	2.13E-07	4.24E-08	2.69E-07	4.15E-08	6.37E-08	6.29E-07
4489	498363.1	3858377	2.12E-03	2.28E-03	3.64E-03	7.32E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	9.12E-07	0.00E+00	0.00E+00	2.35E-07	4.69E-08	2.98E-07	4.59E-08	7.06E-08	6.97E-07
4490	471363.1	3858877	3.97E-04	4.29E-04	6.80E-04	1.38E-07	4.15E-07	2.40E-07	2.59E-07	2.35E-07	1.07E-07	1.70E-07	0.00E+00	0.00E+00	4.42E-08	8.81E-09	5.59E-08	8.62E-09	1.32E-08	1.31E-07
4491	471863.1	3858877	4.11E-04	4.44E-04	7.03E-04	1.42E-07	4.30E-07	2.49E-07	2.69E-07	2.44E-07	1.11E-07	1.76E-07	0.00E+00	0.00E+00	4.58E-08	9.12E-09	5.79E-08	8.92E-09	1.36E-08	1.35E-07
4492	472363.1	3858877	4.48E-04	4.83E-04	7.66E-04	1.55E-07	4.68E-07	2.71E-07	2.92E-07	2.65E-07	1.21E-07	1.92E-07	0.00E+00	0.00E+00	4.99E-08	9.93E-09	6.30E-08	9.71E-09	1.48E-08	1.47E-07
4493	472863.1	3858877	4.82E-04	5.20E-04	8.25E-04	1.67E-07	5.04E-07	2.92E-07	3.15E-07	2.85E-07	1.30E-07	2.06E-07	0.00E+00	0.00E+00	5.37E-08	1.07E-08	6.78E-08	1.05E-08	1.60E-08	1.59E-07
4494	473363.1	3858877	5.38E-04	5.80E-04	9.20E-04	1.86E-07	5.62E-07	3.25E-07	3.51E-07	3.18E-07	1.45E-07	2.30E-07	0.00E+00	0.00E+00	5.99E-08	1.19E-08	7.56E-08	1.17E-08	1.78E-08	1.77E-07
4495	473863.1	3858877	5.51E-04	5.95E-04	9.44E-04	1.91E-07	5.76E-07	3.33E-07	3.60E-07	3.26E-07	1.49E-07	2.36E-07	0.00E+00	0.00E+00	6.13E-08	1.22E-08	7.75E-08	1.19E-08	1.83E-08	1.81E-07
4496	474363.1	3858877	4.99E-04	5.39E-04	8.54E-04	1.73E-07	5.22E-07	3.02E-07	3.26E-07	2.95E-07	1.35E-07	2.14E-07	0.00E+00	0.00E+00	5.56E-08	1.11E-08	7.02E-08	1.08E-08	1.65E-08	1.64E-07

4497	474863.1	3858877	2.25E-04	2.42E-04	3.82E-04	7.77E-08	2.35E-07	1.36E-07	1.46E-07	1.33E-07	6.06E-08	9.56E-08	0.00E+00	0.00E+00	2.50E-08	4.97E-09	3.16E-08	4.87E-09	7.40E-09	7.38E-08
4498	475363.1	3858877	1.69E-04	1.82E-04	2.87E-04	5.84E-08	1.76E-07	1.02E-07	1.10E-07	9.98E-08	4.55E-08	7.18E-08	0.00E+00	0.00E+00	1.88E-08	3.74E-09	2.37E-08	3.66E-09	5.56E-09	5.54E-08
4499	475863.1	3858877	1.95E-04	2.11E-04	3.32E-04	6.76E-08	2.04E-07	1.18E-07	1.27E-07	1.16E-07	5.27E-08	8.32E-08	0.00E+00	0.00E+00	2.17E-08	4.33E-09	2.75E-08	4.23E-09	6.44E-09	6.42E-08
4500	476363.1	3858877	1.28E-04	1.38E-04	2.16E-04	4.42E-08	1.33E-07	7.72E-08	8.32E-08	7.55E-08	3.44E-08	5.42E-08	0.00E+00	0.00E+00	1.42E-08	2.83E-09	1.79E-08	2.77E-09	4.19E-09	4.19E-08
4501	476863.1	3858877	1.62E-04	1.74E-04	2.75E-04	5.60E-08	1.69E-07	9.79E-08	1.06E-07	9.56E-08	4.36E-08	6.87E-08	0.00E+00	0.00E+00	1.80E-08	3.58E-09	2.27E-08	3.50E-09	5.32E-09	5.31E-08
4502	477363.1	3858877	1.67E-04	1.80E-04	2.84E-04	5.79E-08	1.75E-07	1.01E-07	1.09E-07	9.89E-08	4.51E-08	7.10E-08	0.00E+00	0.00E+00	1.86E-08	3.70E-09	2.35E-08	3.62E-09	5.50E-09	5.49E-08
4503	477863.1	3858877	2.09E-04	2.25E-04	3.54E-04	7.23E-08	2.18E-07	1.26E-07	1.36E-07	1.24E-07	5.64E-08	8.86E-08	0.00E+00	0.00E+00	2.33E-08	4.62E-09	2.93E-08	4.53E-09	6.86E-09	6.86E-08
4504	478363.1	3858877	4.39E-04	4.73E-04	7.46E-04	1.52E-07	4.58E-07	2.65E-07	2.86E-07	2.59E-07	1.18E-07	1.87E-07	0.00E+00	0.00E+00	4.88E-08	9.72E-09	6.16E-08	9.51E-09	1.45E-08	1.44E-07
4505	478863.1	3858877	3.68E-04	3.96E-04	6.24E-04	1.27E-07	3.84E-07	2.23E-07	2.40E-07	2.17E-07	9.92E-08	1.56E-07	0.00E+00	0.00E+00	4.09E-08	8.14E-09	5.17E-08	7.97E-09	1.21E-08	1.21E-07
4506	479363.1	3858877	3.00E-04	3.23E-04	5.08E-04	1.04E-07	3.14E-07	1.81E-07	1.96E-07	1.77E-07	8.09E-08	1.27E-07	0.00E+00	0.00E+00	3.34E-08	6.64E-09	4.21E-08	6.50E-09	9.85E-09	9.85E-08
4507	479863.1	3858877	1.45E-03	1.57E-03	2.49E-03	5.04E-07	1.52E-06	8.80E-07	9.50E-07	8.61E-07	3.93E-07	6.24E-07	0.00E+00	0.00E+00	1.62E-07	3.22E-08	2.05E-07	3.16E-08	4.83E-08	4.79E-07
4508	480363.1	3858877	1.71E-03	1.84E-03	2.92E-03	5.91E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.61E-07	7.31E-07	0.00E+00	0.00E+00	1.90E-07	3.78E-08	2.40E-07	3.70E-08	5.66E-08	5.61E-07
4509	480863.1	3858877	1.93E-03	2.08E-03	3.30E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.22E-07	8.27E-07	0.00E+00	0.00E+00	2.15E-07	4.28E-08	2.72E-07	4.19E-08	6.40E-08	6.35E-07
4510	481363.1	3858877	2.15E-03	2.32E-03	3.67E-03	7.44E-07	2.25E-06	1.30E-06	1.40E-06	1.27E-06	5.80E-07	9.19E-07	0.00E+00	0.00E+00	2.39E-07	4.76E-08	3.02E-07	4.66E-08	7.11E-08	7.07E-07
4511	481863.1	3858877	2.42E-03	2.61E-03	4.13E-03	8.37E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.53E-07	1.03E-06	0.00E+00	0.00E+00	2.69E-07	5.36E-08	3.40E-07	5.24E-08	8.00E-08	7.95E-07
4512	482363.1	3858877	2.66E-03	2.87E-03	4.55E-03	9.22E-07	2.78E-06	1.61E-06	1.74E-06	1.58E-06	7.19E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.90E-08	3.74E-07	5.77E-08	8.81E-08	8.76E-07
4513	482863.1	3858877	3.01E-03	3.25E-03	5.14E-03	1.04E-06	3.15E-06	1.82E-06	1.96E-06	1.78E-06	8.13E-07	1.29E-06	0.00E+00	0.00E+00	3.35E-07	6.67E-08	4.23E-07	6.53E-08	9.95E-08	9.90E-07
4514	483363.1	3858877	3.38E-03	3.65E-03	5.73E-03	1.17E-06	3.54E-06	2.05E-06	2.21E-06	2.00E-06	9.13E-07	1.43E-06	0.00E+00	0.00E+00	3.77E-07	7.49E-08	4.75E-07	7.33E-08	1.11E-07	1.11E-06
4515	483863.1	3858877	3.68E-03	3.96E-03	6.22E-03	1.27E-06	3.84E-06	2.22E-06	2.40E-06	2.17E-06	9.91E-07	1.56E-06	0.00E+00	0.00E+00	4.09E-07	8.13E-08	5.16E-07	7.96E-08	1.20E-07	1.21E-06
4516	484363.1	3858877	4.09E-03	4.41E-03	6.92E-03	1.42E-06	4.28E-06	2.48E-06	2.67E-06	2.42E-06	1.10E-06	1.73E-06	0.00E+00	0.00E+00	4.55E-07	9.06E-08	5.75E-07	8.86E-08	1.34E-07	1.34E-06
4517	484863.1	3858877	4.56E-03	4.92E-03	7.71E-03	1.58E-06	4.77E-06	2.76E-06	2.98E-06	2.70E-06	1.23E-06	1.93E-06	0.00E+00	0.00E+00	5.08E-07	1.01E-07	6.41E-07	9.88E-08	1.49E-07	1.50E-06
4518	485363.1	3858877	5.08E-03	5.47E-03	8.57E-03	1.76E-06	5.31E-06	3.07E-06	3.31E-06	3.00E-06	1.37E-06	2.14E-06	0.00E+00	0.00E+00	5.65E-07	1.12E-07	7.13E-07	1.10E-07	1.66E-07	1.67E-06
4519	485863.1	3858877	5.72E-03	6.17E-03	9.65E-03	1.98E-06	5.98E-06	3.46E-06	3.73E-06	3.38E-06	1.54E-06	2.42E-06	0.00E+00	0.00E+00	6.37E-07	1.27E-07	8.04E-07	1.24E-07	1.87E-07	1.88E-06
4520	486363.1	3858877	6.35E-03	6.84E-03	1.07E-02	2.20E-06	6.64E-06	3.85E-06	4.14E-06	3.75E-06	1.71E-06	2.68E-06	0.00E+00	0.00E+00	7.07E-07	1.41E-07	8.92E-07	1.38E-07	2.07E-07	2.08E-06
4521	486863.1	3858877	7.11E-03	7.66E-03	1.20E-02	2.46E-06	7.44E-06	4.31E-06	4.64E-06	4.20E-06	1.92E-06	2.99E-06	0.00E+00	0.00E+00	7.92E-07	1.57E-07	9.98E-07	1.54E-07	2.32E-07	2.33E-06
4522	487363.1	3858877	8.21E-03	8.84E-03	1.37E-02	2.84E-06	8.58E-06	4.97E-06	5.35E-06	4.85E-06	2.21E-06	3.44E-06	0.00E+00	0.00E+00	9.14E-07	1.82E-07	1.15E-06	1.78E-07	2.66E-07	2.69E-06
4523	487863.1	3858877	9.13E-03	9.82E-03	1.51E-02	3.16E-06	9.55E-06	5.53E-06	5.94E-06	5.39E-06	2.46E-06	3.79E-06	0.00E+00	0.00E+00	1.02E-06	2.02E-07	1.28E-06	1.97E-07	2.93E-07	2.99E-06
4524	488363.1	3858877	1.06E-02	1.14E-02	1.70E-02	3.68E-06	1.11E-05	6.44E-06	6.89E-06	6.25E-06	2.85E-06	4.26E-06	0.00E+00	0.00E+00	1.18E-06	2.34E-07	1.48E-06	2.29E-07	3.30E-07	3.46E-06
4525	488863.1	3858877	2.33E-02	2.43E-02	2.95E-02	8.07E-06	2.44E-05	1.41E-05	1.47E-05	1.34E-05	6.09E-06	7.38E-06	0.00E+00	0.00E+00	2.59E-06	5.00E-07	3.17E-06	4.89E-07	5.71E-07	7.33E-06
4526	489363.1	3858877	1.08E-02	1.16E-02	1.74E-02	3.75E-06	1.13E-05	6.55E-06	7.02E-06	6.36E-06	2.90E-06	4.35E-06	0.00E+00	0.00E+00	1.21E-06	2.38E-07	1.51E-06	2.33E-07	3.37E-07	3.53E-06
4527	489863.1	3858877	9.25E-03	9.95E-03	1.54E-02	3.20E-06	9.67E-06	5.60E-06	6.02E-06	5.46E-06	2.49E-06	3.86E-06	0.00E+00	0.00E+00	1.03E-06	2.04E-07	1.30E-06	2.00E-07	2.99E-07	3.03E-06
4528	490363.1	3858877	8.22E-03	8.86E-03	1.39E-02	2.85E-06	8.60E-06	4.98E-06	5.36E-06	4.86E-06	2.22E-06	3.49E-06	0.00E+00	0.00E+00	9.16E-07	1.82E-07	1.16E-06	1.78E-07	2.70E-07	2.70E-06
4529	490863.1	3858877	7.12E-03	7.69E-03	1.22E-02	2.47E-06	7.45E-06	4.31E-06	4.65E-06	4.22E-06	1.92E-06	3.05E-06	0.00E+00	0.00E+00	7.93E-07	1.58E-07	1.00E-06	1.55E-07	2.36E-07	2.34E-06
4530	491363.1	3858877	5.64E-03	6.09E-03	9.71E-03	1.95E-06	5.89E-06	3.41E-06	3.68E-06	3.34E-06	1.52E-06	2.43E-06	0.00E+00	0.00E+00	6.28E-07	1.25E-07	7.94E-07	1.22E-07	1.88E-07	1.86E-06
4531	491863.1	3858877	3.98E-03	4.29E-03	6.84E-03	1.38E-06	4.16E-06	2.41E-06	2.60E-06	2.36E-06	1.07E-06	1.71E-06	0.00E+00	0.00E+00	4.43E-07	8.82E-08	5.60E-07	8.63E-08	1.33E-07	1.31E-06
4532	492363.1	3858877	4.32E-03	4.66E-03	7.44E-03	1.49E-06	4.51E-06	2.61E-06	2.82E-06	2.56E-06	1.17E-06	1.86E-06	0.00E+00	0.00E+00	4.81E-07	9.58E-08	6.08E-07	9.37E-08	1.44E-07	1.42E-06
4533	492863.1	3858877	4.53E-03	4.90E-03	7.81E-03	1.57E-06	4.74E-06	2.74E-06	2.96E-06	2.69E-06	1.23E-06	1.95E-06	0.00E+00	0.00E+00	5.05E-07	1.01E-07	6.38E-07	9.84E-08	1.51E-07	1.49E-06
4534	493363.1	3858877	3.99E-03	4.31E-03	6.88E-03	1.38E-06	4.17E-06	2.42E-06	2.61E-06	2.37E-06	1.08E-06	1.72E-06	0.00E+00	0.00E+00	4.45E-07	8.86E-08	5.62E-07	8.67E-08	1.33E-07	1.32E-06
4535	493863.1	3858877	3.21E-03	3.46E-03	5.52E-03	1.11E-06	3.35E-06	1.94E-06	2.09E-06	1.90E-06	8.67E-07	1.38E-06	0.00E+00	0.00E+00	3.57E-07	7.11E-08	4.51E-07	6.96E-08	1.07E-07	1.06E-06
4536	494363.1	3858877	2.89E-03	3.12E-03	4.97E-03	1.00E-06	3.02E-06	1.75E-06	1.89E-06	1.71E-06	7.81E-07	1.24E-06	0.00E+00	0.00E+00	3.22E-07	6.41E-08	4.07E-07	6.27E-08	9.64E-08	9.51E-07
4537	494863.1	3858877	2.55E-03	2.75E-03	4.38E-03	8.82E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.10E-06	0.00E+00	0.00E+00	2.84E-07	5.65E-08	3.58E-07	5.53E-08	8.49E-08	8.39E-07
4538	495363.1	3858877	2.25E-03	2.43E-03	3.87E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.08E-07	9.68E-07	0.00E+00	0.00E+00	2.50E-07	4.99E-08	3.16E-07	4.88E-08	7.49E-08	7.40E-07
4539	495863.1	3858877	2.09E-03	2.26E-03	3.59E-03	7.24E-07	2.19E-06	1.26E-06	1.37E-06	1.24E-06	5.65E-07	9.00E-07	0.00E+00	0.00E+00	2.33E-07	4.64E-08	2.94E-07	4.54E-08	6.97E-08	6.88E-07
4540	496363.1	3858877	2.02E-03	2.19E-03	3.48E-03	7.01E-07	2.12E-06	1.22E-06	1.32E-06	1.20E-06	5.47E-07	8.71E-07	0.00E+00	0.00E+00	2.25E-07	4.49E-08	2.85E-07	4.39E-08	6.75E-08	6.66E-07
4541	496863.1	3858877	1.97E-03	2.12E-03	3.38E-03	6.81E-07	2.06E-06	1.19E-06	1.28E-06	1.16E-06	5.31E-07	8.47E-07	0.00E+00	0.00E+00	2.19E-07	4.36E-08	2.77E-07	4.27E-08	6.56E-08	6.47E-07
4542	497363.1	3858877	1.90E-03	2.06E-03	3.28E-03	6.59E-07	1.99E-06	1.15E-06	1.24E-06	1.13E-06	5.15E-07	8.20E-07	0.00E+00	0.00E+00	2.12E-07	4.22E-08	2.68E-07	4.13E-08	6.35E-08	6.27E-07
4543	497863.1	3858877	2.08E-03	2.25E-03	3.59E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.98E-07	0.00E+00	0.00E+00	2.32E-07	4.62E-08	2.93E-07	4.52E-08	6.95E-08	6.86E-07
4544	498363.1	3858877	2.23E-03	2.41E-03	3.85E-03	7.73E-07	2.33E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.63E-07	0.00E+00	0.00E+00	2.49E-07	4.95E-08	3.14E-07	4.85E-08	7.46E-08	7.35E-07
4545	471363.1	3859377	4.06E-04	4.38E-04	6.95E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.40E-07	1.10E-07	1.74E-07	0.00E+00	0.00E+00	4.52E-08	9.00E-09	5.71E-08	8.81E-09	1.35E-08	1.34E-07
4546	471863.1	3859377	4.29E-04	4.63E-04	7.35E-04	1.49E-07	4.49E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.84E-07	0.00E+00	0.00E+00	4.78E-08	9.52E-09	6.04E-08	9.31E-09	1.42E-08	1.41E-07
4547	472363.1	3859377	4.68E-04	5.05E-04	8.02E-04	1.62E-07	4.89E-07	2.83E-07	3.06E-07	2.77E-07	1.26E-07	2.01E-07	0.00E+00	0.00E+00	5.21E-08	1.04E-08	6.58E-08	1.02E-08	1.55E-08	1.54E-07
4548	472863.1	3859377	5.03E-04	5.43E-04	8.62E-04	1.74E-07	5.26E-07	3.04E-07	3.29E-07	2.98E-07	1.36E-07	2.16E-07	0.00E+00	0.00E+00	5.60E-08	1.12E-08	7.08E-08	1.09E-08	1.67E-08	1.66E-07
4549	473363.1	3859377	5.47E-04	5.90E-04	9.37E-04	1.89E-07	5.72E-07	3.31E-07	3.57E-07	3.24E-07	1.48E-07	2.35E-07	0.00E+00	0.00E+00	6.09E-08	1.21E-08	7.69E-08	1.19E-08	1.82E-08	1.80E-07
4550	473863.1	3859377	5.74E-04	6.20E-04	9.84E-04	1.99E-07	6.00E-07	3.48E-07	3.75E-07	3.40E-07	1.55E-07	2.46E-07	0.00E+00	0.00E+00	6.39E-08	1.27E-08	8.08E-08	1.25E-08	1.91E-08	1.89E-07
4551	474363.1	3859377	5.11E-04	5.52E-04	8.75E-04	1.77E-07	5.34E-07	3.09E-07	3.34E-07	3.03E-07	1.38E-07	2.19E-07	0.00E+00	0.00E+00	5.69E-08	1.13E-08	7.19E-08	1.11E-08	1.70E-08	1.68E-07
4552	474863.1	3859377	3.59E-04	3.87E-04	6.12E-04	1.24E-07	3.75E-07	2.17E-07	2.34E-07	2.12E-07	9.69E-08	1.53E-07	0.00E+00	0.00E+00	3.99E-08	7.95E-09	5.05E-08	7.78E-09	1.19E-08	1.18E-07
4553	475363.1	3859377	2.28E-04	2.46E-04	3.88E-04	7.91E-08	2.39E-07	1.38E-07	1.49E-07	1.35E-07	6.16E-08	9.72E-08	0.00E+00	0.00E+00	2.54E-08	5.06E-09	3.21E-08	4.95E-09	7.53E-09	7.50E-08

4554	475863.1	3859377	1.51E-04	1.63E-04	2.57E-04	5.24E-08	1.58E-07	9.15E-08	9.87E-08	8.95E-08	4.08E-08	6.43E-08	0.00E+00	0.00E+00	1.68E-08	3.35E-09	2.13E-08	3.28E-09	4.98E-09	4.97E-08
4555	476363.1	3859377	1.38E-04	1.49E-04	2.34E-04	4.77E-08	1.44E-07	8.35E-08	9.00E-08	8.16E-08	3.72E-08	5.86E-08	0.00E+00	0.00E+00	1.54E-08	3.05E-09	1.94E-08	2.99E-09	4.53E-09	4.53E-08
4556	476863.1	3859377	1.14E-04	1.23E-04	1.93E-04	3.95E-08	1.19E-07	6.91E-08	7.44E-08	6.75E-08	3.08E-08	4.83E-08	0.00E+00	0.00E+00	1.27E-08	2.53E-09	1.60E-08	2.47E-09	3.74E-09	3.75E-08
4557	477363.1	3859377	1.24E-04	1.34E-04	2.10E-04	4.31E-08	1.30E-07	7.53E-08	8.11E-08	7.35E-08	3.35E-08	5.25E-08	0.00E+00	0.00E+00	1.38E-08	2.75E-09	1.75E-08	2.69E-09	4.07E-09	4.08E-08
4558	477863.1	3859377	2.30E-04	2.48E-04	3.89E-04	7.95E-08	2.40E-07	1.39E-07	1.50E-07	1.36E-07	6.19E-08	9.74E-08	0.00E+00	0.00E+00	2.56E-08	5.08E-09	3.23E-08	4.97E-09	7.54E-09	7.54E-08
4559	478363.1	3859377	3.75E-04	4.04E-04	6.37E-04	1.30E-07	3.92E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.59E-07	0.00E+00	0.00E+00	4.17E-08	8.30E-09	5.27E-08	8.13E-09	1.23E-08	1.23E-07
4560	478863.1	3859377	6.47E-04	6.98E-04	1.11E-03	2.24E-07	6.76E-07	3.92E-07	4.22E-07	3.83E-07	1.75E-07	2.77E-07	0.00E+00	0.00E+00	7.20E-08	1.43E-08	9.10E-08	1.40E-08	2.14E-08	2.13E-07
4561	479363.1	3859377	9.67E-04	1.04E-03	1.66E-03	3.35E-07	1.01E-06	5.85E-07	6.31E-07	5.72E-07	2.61E-07	4.14E-07	0.00E+00	0.00E+00	1.08E-07	2.14E-08	1.36E-07	2.10E-08	3.21E-08	3.18E-07
4562	479863.1	3859377	1.27E-03	1.38E-03	2.18E-03	4.41E-07	1.33E-06	7.71E-07	8.32E-07	7.55E-07	3.44E-07	5.46E-07	0.00E+00	0.00E+00	1.42E-07	2.83E-08	1.79E-07	2.76E-08	4.23E-08	4.19E-07
4563	480363.1	3859377	1.56E-03	1.68E-03	2.67E-03	5.40E-07	1.63E-06	9.43E-07	1.02E-06	9.23E-07	4.21E-07	6.67E-07	0.00E+00	0.00E+00	1.74E-07	3.45E-08	2.19E-07	3.38E-08	5.17E-08	5.13E-07
4564	480863.1	3859377	1.76E-03	1.90E-03	3.01E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.53E-07	0.00E+00	0.00E+00	1.96E-07	3.91E-08	2.48E-07	3.82E-08	5.83E-08	5.80E-07
4565	481363.1	3859377	1.96E-03	2.11E-03	3.34E-03	6.78E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.35E-07	0.00E+00	0.00E+00	2.18E-07	4.34E-08	2.75E-07	4.24E-08	6.47E-08	6.44E-07
4566	481863.1	3859377	2.16E-03	2.33E-03	3.69E-03	7.48E-07	2.26E-06	1.31E-06	1.41E-06	1.28E-06	5.83E-07	9.22E-07	0.00E+00	0.00E+00	2.41E-07	4.79E-08	3.04E-07	4.69E-08	7.14E-08	7.11E-07
4567	482363.1	3859377	2.36E-03	2.55E-03	4.02E-03	8.17E-07	2.47E-06	1.43E-06	1.54E-06	1.40E-06	6.37E-07	1.01E-06	0.00E+00	0.00E+00	2.63E-07	5.23E-08	3.32E-07	5.12E-08	7.80E-08	7.76E-07
4568	482863.1	3859377	2.62E-03	2.82E-03	4.46E-03	9.06E-07	2.73E-06	1.58E-06	1.71E-06	1.55E-06	7.06E-07	1.11E-06	0.00E+00	0.00E+00	2.91E-07	5.80E-08	3.68E-07	5.67E-08	8.63E-08	8.60E-07
4569	483363.1	3859377	2.89E-03	3.11E-03	4.90E-03	9.99E-07	3.02E-06	1.75E-06	1.88E-06	1.71E-06	7.79E-07	1.23E-06	0.00E+00	0.00E+00	3.21E-07	6.39E-08	4.05E-07	6.25E-08	9.49E-08	9.48E-07
4570	483863.1	3859377	3.00E-03	3.23E-03	5.07E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.77E-06	8.09E-07	1.27E-06	0.00E+00	0.00E+00	3.34E-07	6.64E-08	4.21E-07	6.50E-08	9.83E-08	9.85E-07
4571	484363.1	3859377	3.26E-03	3.51E-03	5.51E-03	1.13E-06	3.41E-06	1.97E-06	2.13E-06	1.93E-06	8.80E-07	1.38E-06	0.00E+00	0.00E+00	3.63E-07	7.22E-08	4.58E-07	7.06E-08	1.07E-07	1.07E-06
4572	484863.1	3859377	3.55E-03	3.83E-03	6.01E-03	1.23E-06	3.72E-06	2.15E-06	2.32E-06	2.10E-06	9.59E-07	1.50E-06	0.00E+00	0.00E+00	3.96E-07	7.87E-08	4.99E-07	7.70E-08	1.16E-07	1.17E-06
4573	485363.1	3859377	3.82E-03	4.12E-03	6.45E-03	1.32E-06	4.00E-06	2.31E-06	2.49E-06	2.26E-06	1.03E-06	1.62E-06	0.00E+00	0.00E+00	4.26E-07	8.46E-08	5.37E-07	8.28E-08	1.25E-07	1.25E-06
4574	485863.1	3859377	4.07E-03	4.39E-03	6.86E-03	1.41E-06	4.25E-06	2.46E-06	2.65E-06	2.41E-06	1.10E-06	1.72E-06	0.00E+00	0.00E+00	4.53E-07	9.01E-08	5.71E-07	8.81E-08	1.33E-07	1.34E-06
4575	486363.1	3859377	4.33E-03	4.67E-03	7.30E-03	1.50E-06	4.53E-06	2.62E-06	2.82E-06	2.56E-06	1.17E-06	1.83E-06	0.00E+00	0.00E+00	4.82E-07	9.59E-08	6.08E-07	9.38E-08	1.41E-07	1.42E-06
4576	486863.1	3859377	4.57E-03	4.92E-03	7.68E-03	1.58E-06	4.77E-06	2.76E-06	2.98E-06	2.70E-06	1.23E-06	1.92E-06	0.00E+00	0.00E+00	5.09E-07	1.01E-07	6.41E-07	9.89E-08	1.49E-07	1.50E-06
4577	487363.1	3859377	4.79E-03	5.16E-03	8.04E-03	1.66E-06	5.01E-06	2.90E-06	3.12E-06	2.83E-06	1.29E-06	2.01E-06	0.00E+00	0.00E+00	5.34E-07	1.06E-07	6.73E-07	1.04E-07	1.56E-07	1.57E-06
4578	487863.1	3859377	5.05E-03	5.44E-03	8.44E-03	1.75E-06	5.28E-06	3.06E-06	3.29E-06	2.98E-06	1.36E-06	2.11E-06	0.00E+00	0.00E+00	5.63E-07	1.12E-07	7.09E-07	1.09E-07	1.64E-07	1.66E-06
4579	488363.1	3859377	5.33E-03	5.74E-03	8.89E-03	1.85E-06	5.57E-06	3.23E-06	3.47E-06	3.15E-06	1.44E-06	2.22E-06	0.00E+00	0.00E+00	5.94E-07	1.18E-07	7.48E-07	1.15E-07	1.72E-07	1.75E-06
4580	488863.1	3859377	5.47E-03	5.89E-03	9.16E-03	1.89E-06	5.71E-06	3.31E-06	3.56E-06	3.23E-06	1.47E-06	2.29E-06	0.00E+00	0.00E+00	6.09E-07	1.21E-07	7.67E-07	1.18E-07	1.77E-07	1.79E-06
4581	489363.1	3859377	5.27E-03	5.67E-03	8.84E-03	1.82E-06	5.50E-06	3.19E-06	3.43E-06	3.11E-06	1.42E-06	2.21E-06	0.00E+00	0.00E+00	5.86E-07	1.16E-07	7.39E-07	1.14E-07	1.71E-07	1.73E-06
4582	489863.1	3859377	5.41E-03	5.83E-03	9.09E-03	1.87E-06	5.66E-06	3.27E-06	3.53E-06	3.20E-06	1.46E-06	2.28E-06	0.00E+00	0.00E+00	6.02E-07	1.20E-07	7.59E-07	1.17E-07	1.76E-07	1.77E-06
4583	490363.1	3859377	5.42E-03	5.84E-03	9.18E-03	1.87E-06	5.66E-06	3.28E-06	3.53E-06	3.20E-06	1.46E-06	2.30E-06	0.00E+00	0.00E+00	6.03E-07	1.20E-07	7.61E-07	1.17E-07	1.78E-07	1.78E-06
4584	490863.1	3859377	5.10E-03	5.50E-03	8.71E-03	1.76E-06	5.33E-06	3.08E-06	3.33E-06	3.02E-06	1.38E-06	2.18E-06	0.00E+00	0.00E+00	5.67E-07	1.13E-07	7.17E-07	1.11E-07	1.69E-07	1.68E-06
4585	491363.1	3859377	4.10E-03	4.43E-03	7.05E-03	1.42E-06	4.29E-06	2.48E-06	2.68E-06	2.43E-06	1.11E-06	1.77E-06	0.00E+00	0.00E+00	4.56E-07	9.09E-08	5.77E-07	8.90E-08	1.37E-07	1.35E-06
4586	491863.1	3859377	4.42E-03	4.77E-03	7.59E-03	1.53E-06	4.62E-06	2.67E-06	2.89E-06	2.62E-06	1.19E-06	1.90E-06	0.00E+00	0.00E+00	4.92E-07	9.80E-08	6.22E-07	9.59E-08	1.47E-07	1.46E-06
4587	492363.1	3859377	4.17E-03	4.51E-03	7.17E-03	1.45E-06	4.36E-06	2.53E-06	2.73E-06	2.47E-06	1.13E-06	1.79E-06	0.00E+00	0.00E+00	4.65E-07	9.26E-08	5.87E-07	9.06E-08	1.39E-07	1.37E-06
4588	492863.1	3859377	3.98E-03	4.29E-03	6.83E-03	1.38E-06	4.16E-06	2.41E-06	2.60E-06	2.35E-06	1.07E-06	1.71E-06	0.00E+00	0.00E+00	4.43E-07	8.82E-08	5.59E-07	8.63E-08	1.32E-07	1.31E-06
4589	493363.1	3859377	3.62E-03	3.90E-03	6.22E-03	1.25E-06	3.78E-06	2.19E-06	2.36E-06	2.14E-06	9.77E-07	1.56E-06	0.00E+00	0.00E+00	4.02E-07	8.02E-08	5.09E-07	7.85E-08	1.21E-07	1.19E-06
4590	493863.1	3859377	3.43E-03	3.70E-03	5.90E-03	1.19E-06	3.58E-06	2.07E-06	2.24E-06	2.03E-06	9.26E-07	1.48E-06	0.00E+00	0.00E+00	3.81E-07	7.60E-08	4.82E-07	7.44E-08	1.14E-07	1.13E-06
4591	494363.1	3859377	3.16E-03	3.41E-03	5.44E-03	1.09E-06	3.30E-06	1.91E-06	2.06E-06	1.87E-06	8.54E-07	1.36E-06	0.00E+00	0.00E+00	3.52E-07	7.01E-08	4.45E-07	6.86E-08	1.05E-07	1.04E-06
4592	494863.1	3859377	2.72E-03	2.94E-03	4.69E-03	9.42E-07	2.84E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	9.09E-08	8.96E-07
4593	495363.1	3859377	2.57E-03	2.78E-03	4.43E-03	8.91E-07	2.69E-06	1.56E-06	1.68E-06	1.52E-06	6.95E-07	1.11E-06	0.00E+00	0.00E+00	2.86E-07	5.71E-08	3.62E-07	5.58E-08	8.59E-08	8.47E-07
4594	495863.1	3859377	2.36E-03	2.55E-03	4.07E-03	8.19E-07	2.47E-06	1.43E-06	1.55E-06	1.40E-06	6.39E-07	1.02E-06	0.00E+00	0.00E+00	2.63E-07	5.25E-08	3.33E-07	5.13E-08	7.89E-08	7.79E-07
4595	496363.1	3859377	2.31E-03	2.50E-03	3.98E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.25E-07	9.97E-07	0.00E+00	0.00E+00	2.57E-07	5.13E-08	3.26E-07	5.02E-08	7.72E-08	7.62E-07
4596	496863.1	3859377	2.07E-03	2.23E-03	3.56E-03	7.16E-07	2.16E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.92E-07	0.00E+00	0.00E+00	2.30E-07	4.59E-08	2.91E-07	4.49E-08	6.90E-08	6.81E-07
4597	497363.1	3859377	2.11E-03	2.28E-03	3.64E-03	7.31E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.10E-07	0.00E+00	0.00E+00	2.35E-07	4.68E-08	2.97E-07	4.58E-08	7.05E-08	6.95E-07
4598	497863.1	3859377	2.23E-03	2.41E-03	3.84E-03	7.71E-07	2.33E-06	1.35E-06	1.46E-06	1.32E-06	6.02E-07	9.61E-07	0.00E+00	0.00E+00	2.48E-07	4.94E-08	3.14E-07	4.84E-08	7.44E-08	7.34E-07
4599	498363.1	3859377	2.26E-03	2.44E-03	3.89E-03	7.81E-07	2.36E-06	1.37E-06	1.48E-06	1.34E-06	6.10E-07	9.73E-07	0.00E+00	0.00E+00	2.51E-07	5.01E-08	3.18E-07	4.90E-08	7.54E-08	7.43E-07
4600	471363.1	3859877	4.21E-04	4.54E-04	7.21E-04	1.46E-07	4.40E-07	2.55E-07	2.75E-07	2.49E-07	1.14E-07	1.80E-07	0.00E+00	0.00E+00	4.69E-08	9.33E-09	5.92E-08	9.13E-09	1.40E-08	1.39E-07
4601	471863.1	3859877	4.49E-04	4.85E-04	7.70E-04	1.55E-07	4.69E-07	2.72E-07	2.93E-07	2.66E-07	1.21E-07	1.93E-07	0.00E+00	0.00E+00	5.00E-08	9.95E-09	6.32E-08	9.74E-09	1.49E-08	1.48E-07
4602	472363.1	3859877	4.74E-04	5.11E-04	8.12E-04	1.64E-07	4.95E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	0.00E+00	0.00E+00	5.27E-08	1.05E-08	6.66E-08	1.03E-08	1.57E-08	1.56E-07
4603	472863.1	3859877	5.12E-04	5.52E-04	8.77E-04	1.77E-07	5.35E-07	3.10E-07	3.34E-07	3.03E-07	1.38E-07	2.19E-07	0.00E+00	0.00E+00	5.70E-08	1.13E-08	7.20E-08	1.11E-08	1.70E-08	1.68E-07
4604	473363.1	3859877	5.49E-04	5.92E-04	9.39E-04	1.90E-07	5.74E-07	3.32E-07	3.58E-07	3.25E-07	1.48E-07	2.35E-07	0.00E+00	0.00E+00	6.11E-08	1.22E-08	7.72E-08	1.19E-08	1.82E-08	1.81E-07
4605	473863.1	3859877	5.81E-04	6.27E-04	9.93E-04	2.01E-07	6.07E-07	3.51E-07	3.79E-07	3.44E-07	1.57E-07	2.49E-07	0.00E+00	0.00E+00	6.46E-08	1.29E-08	8.17E-08	1.26E-08	1.92E-08	1.91E-07
4606	474363.1	3859877	5.46E-04	5.89E-04	9.33E-04	1.89E-07	5.70E-07	3.30E-07	3.56E-07	3.23E-07	1.47E-07	2.33E-07	0.00E+00	0.00E+00	6.07E-08	1.21E-08	7.67E-08	1.18E-08	1.81E-08	1.79E-07
4607	474863.1	3859877	4.61E-04	4.98E-04	7.88E-04	1.60E-07	4.82E-07	2.79E-07	3.01E-07	2.73E-07	1.25E-07	1.97E-07	0.00E+00	0.00E+00	5.13E-08	1.02E-08	6.48E-08	1.00E-08	1.53E-08	1.52E-07
4608	475363.1	3859877	2.76E-04	2.97E-04	4.69E-04	9.54E-08	2.88E-07	1.67E-07	1.80E-07	1.63E-07	7.44E-08	1.17E-07	0.00E+00	0.00E+00	3.07E-08	6.10E-09	3.87E-08	5.97E-09	9.09E-09	9.06E-08
4609	475863.1	3859877	1.46E-04	1.57E-04	2.47E-04	5.04E-08	1.52E-07	8.81E-08	9.49E-08	8.61E-08	3.93E-08	6.18E-08	0.00E+00	0.00E+00	1.62E-08	3.22E-09	2.04E-08	3.15E-09	4.79E-09	4.78E-08
4610	476363.1	3859877	9.29E-05	1.00E-04	1.57E-04	3.22E-08	9.71E-08	5.62E-08	6.06E-08	5.49E-08	2.50E-08	3.92E-08	0.00E+00	0.00E+00	1.03E-08	2.06E-09	1.30E-08	2.01E-09	3.04E-09	3.05E-08

4611	476863.1	3859877	1.07E-04	1.15E-04	1.81E-04	3.70E-08	1.12E-07	6.48E-08	6.98E-08	6.32E-08	2.89E-08	4.52E-08	0.00E+00	0.00E+00	1.19E-08	2.37E-09	1.50E-08	2.32E-09	3.50E-09	3.51E-08
4612	477363.1	3859877	1.14E-04	1.23E-04	1.92E-04	3.95E-08	1.19E-07	6.91E-08	7.44E-08	6.74E-08	3.08E-08	4.81E-08	0.00E+00	0.00E+00	1.27E-08	2.52E-09	1.60E-08	2.47E-09	3.72E-09	3.74E-08
4613	477863.1	3859877	2.04E-04	2.20E-04	3.45E-04	7.06E-08	2.13E-07	1.23E-07	1.33E-07	1.21E-07	5.50E-08	8.64E-08	0.00E+00	0.00E+00	2.27E-08	4.52E-09	2.87E-08	4.42E-09	6.69E-09	6.70E-08
4614	478363.1	3859877	3.69E-04	3.98E-04	6.27E-04	1.28E-07	3.86E-07	2.23E-07	2.41E-07	2.18E-07	9.96E-08	1.57E-07	0.00E+00	0.00E+00	4.11E-08	8.17E-09	5.19E-08	8.00E-09	1.22E-08	1.21E-07
4615	478863.1	3859877	6.34E-04	6.84E-04	1.08E-03	2.20E-07	6.63E-07	3.84E-07	4.14E-07	3.75E-07	1.71E-07	2.71E-07	0.00E+00	0.00E+00	7.06E-08	1.41E-08	8.92E-08	1.38E-08	2.10E-08	2.09E-07
4616	479363.1	3859877	9.82E-04	1.06E-03	1.68E-03	3.40E-07	1.03E-06	5.94E-07	6.42E-07	5.82E-07	2.65E-07	4.21E-07	0.00E+00	0.00E+00	1.09E-07	2.18E-08	1.38E-07	2.13E-08	3.26E-08	3.23E-07
4617	479863.1	3859877	1.25E-03	1.35E-03	2.14E-03	4.32E-07	1.30E-06	7.55E-07	8.15E-07	7.39E-07	3.37E-07	5.35E-07	0.00E+00	0.00E+00	1.39E-07	2.77E-08	1.76E-07	2.71E-08	4.14E-08	4.11E-07
4618	480363.1	3859877	1.46E-03	1.57E-03	2.49E-03	5.04E-07	1.52E-06	8.81E-07	9.50E-07	8.61E-07	3.93E-07	6.22E-07	0.00E+00	0.00E+00	1.62E-07	3.23E-08	2.05E-07	3.16E-08	4.82E-08	4.79E-07
4619	480863.1	3859877	1.61E-03	1.73E-03	2.74E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.51E-07	4.34E-07	6.86E-07	0.00E+00	0.00E+00	1.79E-07	3.56E-08	2.26E-07	3.48E-08	5.31E-08	5.28E-07
4620	481363.1	3859877	1.76E-03	1.90E-03	3.00E-03	6.10E-07	1.84E-06	1.07E-06	1.15E-06	1.04E-06	4.76E-07	7.51E-07	0.00E+00	0.00E+00	1.96E-07	3.90E-08	2.48E-07	3.82E-08	5.82E-08	5.79E-07
4621	481863.1	3859877	1.91E-03	2.06E-03	3.26E-03	6.62E-07	2.00E-06	1.16E-06	1.25E-06	1.13E-06	5.16E-07	8.15E-07	0.00E+00	0.00E+00	2.13E-07	4.23E-08	2.69E-07	4.14E-08	6.31E-08	6.28E-07
4622	482363.1	3859877	2.07E-03	2.24E-03	3.53E-03	7.17E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.59E-07	8.83E-07	0.00E+00	0.00E+00	2.31E-07	4.59E-08	2.91E-07	4.49E-08	6.84E-08	6.81E-07
4623	482863.1	3859877	2.25E-03	2.43E-03	3.83E-03	7.78E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.07E-07	9.59E-07	0.00E+00	0.00E+00	2.50E-07	4.98E-08	3.16E-07	4.87E-08	7.42E-08	7.39E-07
4624	483363.1	3859877	2.42E-03	2.61E-03	4.11E-03	8.36E-07	2.53E-06	1.46E-06	1.58E-06	1.43E-06	6.52E-07	1.03E-06	0.00E+00	0.00E+00	2.69E-07	5.35E-08	3.40E-07	5.24E-08	7.96E-08	7.94E-07
4625	483863.1	3859877	2.50E-03	2.70E-03	4.23E-03	8.66E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.06E-06	0.00E+00	0.00E+00	2.79E-07	5.54E-08	3.52E-07	5.42E-08	8.21E-08	8.22E-07
4626	484363.1	3859877	2.63E-03	2.83E-03	4.44E-03	9.10E-07	2.75E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.11E-06	0.00E+00	0.00E+00	2.93E-07	5.82E-08	3.69E-07	5.70E-08	8.61E-08	8.63E-07
4627	484863.1	3859877	2.80E-03	3.01E-03	4.73E-03	9.69E-07	2.92E-06	1.69E-06	1.82E-06	1.65E-06	7.55E-07	1.18E-06	0.00E+00	0.00E+00	3.11E-07	6.19E-08	3.93E-07	6.06E-08	9.16E-08	9.18E-07
4628	485363.1	3859877	2.94E-03	3.17E-03	4.97E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.94E-07	1.24E-06	0.00E+00	0.00E+00	3.28E-07	6.52E-08	4.13E-07	6.38E-08	9.63E-08	9.66E-07
4629	485863.1	3859877	3.06E-03	3.30E-03	5.16E-03	1.06E-06	3.20E-06	1.85E-06	2.00E-06	1.81E-06	8.26E-07	1.29E-06	0.00E+00	0.00E+00	3.41E-07	6.78E-08	4.30E-07	6.63E-08	1.00E-07	1.01E-06
4630	486363.1	3859877	3.17E-03	3.42E-03	5.34E-03	1.10E-06	3.32E-06	1.92E-06	2.07E-06	1.88E-06	8.56E-07	1.34E-06	0.00E+00	0.00E+00	3.53E-07	7.02E-08	4.46E-07	6.87E-08	1.04E-07	1.04E-06
4631	486863.1	3859877	3.30E-03	3.55E-03	5.55E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.88E-07	1.39E-06	0.00E+00	0.00E+00	3.67E-07	7.29E-08	4.63E-07	7.13E-08	1.07E-07	1.08E-06
4632	487363.1	3859877	3.31E-03	3.57E-03	5.56E-03	1.15E-06	3.46E-06	2.00E-06	2.16E-06	1.96E-06	8.93E-07	1.39E-06	0.00E+00	0.00E+00	3.69E-07	7.32E-08	4.65E-07	7.17E-08	1.08E-07	1.09E-06
4633	487863.1	3859877	3.44E-03	3.71E-03	5.78E-03	1.19E-06	3.60E-06	2.08E-06	2.24E-06	2.03E-06	9.28E-07	1.45E-06	0.00E+00	0.00E+00	3.83E-07	7.62E-08	4.83E-07	7.45E-08	1.12E-07	1.13E-06
4634	488363.1	3859877	3.50E-03	3.77E-03	5.89E-03	1.21E-06	3.66E-06	2.12E-06	2.28E-06	2.07E-06	9.44E-07	1.48E-06	0.00E+00	0.00E+00	3.90E-07	7.75E-08	4.92E-07	7.58E-08	1.14E-07	1.15E-06
4635	488863.1	3859877	3.65E-03	3.93E-03	6.17E-03	1.26E-06	3.82E-06	2.21E-06	2.38E-06	2.16E-06	9.84E-07	1.54E-06	0.00E+00	0.00E+00	4.06E-07	8.08E-08	5.13E-07	7.90E-08	1.20E-07	1.20E-06
4636	489363.1	3859877	3.69E-03	3.98E-03	6.26E-03	1.28E-06	3.86E-06	2.23E-06	2.41E-06	2.18E-06	9.96E-07	1.57E-06	0.00E+00	0.00E+00	4.11E-07	8.17E-08	5.18E-07	7.99E-08	1.21E-07	1.21E-06
4637	489863.1	3859877	3.51E-03	3.79E-03	5.96E-03	1.22E-06	3.67E-06	2.12E-06	2.29E-06	2.08E-06	9.47E-07	1.49E-06	0.00E+00	0.00E+00	3.91E-07	7.77E-08	4.93E-07	7.61E-08	1.15E-07	1.15E-06
4638	490363.1	3859877	3.44E-03	3.71E-03	5.84E-03	1.19E-06	3.60E-06	2.08E-06	2.24E-06	2.03E-06	9.28E-07	1.46E-06	0.00E+00	0.00E+00	3.83E-07	7.62E-08	4.83E-07	7.46E-08	1.13E-07	1.13E-06
4639	490863.1	3859877	3.62E-03	3.90E-03	6.15E-03	1.25E-06	3.78E-06	2.19E-06	2.36E-06	2.14E-06	9.76E-07	1.54E-06	0.00E+00	0.00E+00	4.03E-07	8.01E-08	5.08E-07	7.84E-08	1.19E-07	1.19E-06
4640	491363.1	3859877	3.64E-03	3.93E-03	6.21E-03	1.26E-06	3.80E-06	2.20E-06	2.38E-06	2.15E-06	9.82E-07	1.55E-06	0.00E+00	0.00E+00	4.05E-07	8.06E-08	5.12E-07	7.89E-08	1.20E-07	1.20E-06
4641	491863.1	3859877	3.58E-03	3.87E-03	6.13E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.68E-07	1.54E-06	0.00E+00	0.00E+00	3.99E-07	7.94E-08	5.04E-07	7.77E-08	1.19E-07	1.18E-06
4642	492363.1	3859877	3.48E-03	3.75E-03	5.96E-03	1.20E-06	3.63E-06	2.10E-06	2.27E-06	2.06E-06	9.39E-07	1.49E-06	0.00E+00	0.00E+00	3.87E-07	7.71E-08	4.89E-07	7.54E-08	1.16E-07	1.14E-06
4643	492863.1	3859877	3.32E-03	3.58E-03	5.69E-03	1.15E-06	3.47E-06	2.01E-06	2.17E-06	1.97E-06	8.97E-07	1.42E-06	0.00E+00	0.00E+00	3.70E-07	7.36E-08	4.67E-07	7.20E-08	1.10E-07	1.09E-06
4644	493363.1	3859877	3.16E-03	3.42E-03	5.43E-03	1.10E-06	3.31E-06	1.91E-06	2.07E-06	1.87E-06	8.55E-07	1.36E-06	0.00E+00	0.00E+00	3.52E-07	7.02E-08	4.45E-07	6.87E-08	1.05E-07	1.04E-06
4645	493863.1	3859877	3.01E-03	3.25E-03	5.17E-03	1.04E-06	3.15E-06	1.82E-06	1.97E-06	1.78E-06	8.14E-07	1.29E-06	0.00E+00	0.00E+00	3.35E-07	6.68E-08	4.24E-07	6.54E-08	1.00E-07	9.91E-07
4646	494363.1	3859877	2.84E-03	3.07E-03	4.88E-03	9.83E-07	2.97E-06	1.72E-06	1.86E-06	1.68E-06	7.68E-07	1.22E-06	0.00E+00	0.00E+00	3.16E-07	6.30E-08	4.00E-07	6.16E-08	9.46E-08	9.35E-07
4647	494863.1	3859877	2.72E-03	2.94E-03	4.68E-03	9.43E-07	2.85E-06	1.65E-06	1.78E-06	1.61E-06	7.36E-07	1.17E-06	0.00E+00	0.00E+00	3.03E-07	6.04E-08	3.83E-07	5.91E-08	9.07E-08	8.96E-07
4648	495363.1	3859877	2.58E-03	2.79E-03	4.44E-03	8.94E-07	2.70E-06	1.56E-06	1.69E-06	1.53E-06	6.98E-07	1.11E-06	0.00E+00	0.00E+00	2.87E-07	5.73E-08	3.63E-07	5.60E-08	8.60E-08	8.50E-07
4649	495863.1	3859877	2.43E-03	2.63E-03	4.18E-03	8.42E-07	2.54E-06	1.47E-06	1.59E-06	1.44E-06	6.57E-07	1.05E-06	0.00E+00	0.00E+00	2.71E-07	5.39E-08	3.42E-07	5.28E-08	8.11E-08	8.01E-07
4650	496363.1	3859877	2.20E-03	2.38E-03	3.80E-03	7.63E-07	2.30E-06	1.33E-06	1.44E-06	1.31E-06	5.96E-07	9.50E-07	0.00E+00	0.00E+00	2.45E-07	4.89E-08	3.10E-07	4.79E-08	7.36E-08	7.26E-07
4651	496863.1	3859877	1.70E-03	1.84E-03	2.93E-03	5.88E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.59E-07	7.32E-07	0.00E+00	0.00E+00	1.89E-07	3.77E-08	2.39E-07	3.69E-08	5.67E-08	5.60E-07
4652	497363.1	3859877	1.98E-03	2.14E-03	3.41E-03	6.85E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.53E-07	0.00E+00	0.00E+00	2.20E-07	4.39E-08	2.79E-07	4.29E-08	6.61E-08	6.52E-07
4653	497863.1	3859877	2.13E-03	2.30E-03	3.67E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.76E-07	9.18E-07	0.00E+00	0.00E+00	2.37E-07	4.72E-08	3.00E-07	4.62E-08	7.11E-08	7.01E-07
4654	498363.1	3859877	2.11E-03	2.28E-03	3.64E-03	7.31E-07	2.21E-06	1.28E-06	1.38E-06	1.25E-06	5.71E-07	9.11E-07	0.00E+00	0.00E+00	2.35E-07	4.69E-08	2.97E-07	4.59E-08	7.06E-08	6.96E-07
4655	471363.1	3860377	4.30E-04	4.64E-04	7.36E-04	1.49E-07	4.49E-07	2.60E-07	2.81E-07	2.54E-07	1.16E-07	1.84E-07	0.00E+00	0.00E+00	4.78E-08	9.52E-09	6.04E-08	9.32E-09	1.43E-08	1.41E-07
4656	471863.1	3860377	4.54E-04	4.90E-04	7.78E-04	1.57E-07	4.75E-07	2.75E-07	2.97E-07	2.69E-07	1.23E-07	1.95E-07	0.00E+00	0.00E+00	5.06E-08	1.01E-08	6.39E-08	9.86E-09	1.51E-08	1.50E-07
4657	472363.1	3860377	4.84E-04	5.22E-04	8.28E-04	1.67E-07	5.06E-07	2.93E-07	3.16E-07	2.86E-07	1.31E-07	2.07E-07	0.00E+00	0.00E+00	5.38E-08	1.07E-08	6.80E-08	1.05E-08	1.60E-08	1.59E-07
4658	472863.1	3860377	5.16E-04	5.56E-04	8.81E-04	1.79E-07	5.39E-07	3.12E-07	3.37E-07	3.05E-07	1.39E-07	2.21E-07	0.00E+00	0.00E+00	5.74E-08	1.14E-08	7.25E-08	1.12E-08	1.71E-08	1.70E-07
4659	473363.1	3860377	5.46E-04	5.89E-04	9.32E-04	1.89E-07	5.70E-07	3.30E-07	3.56E-07	3.23E-07	1.47E-07	2.33E-07	0.00E+00	0.00E+00	6.07E-08	1.21E-08	7.67E-08	1.18E-08	1.81E-08	1.79E-07
4660	473863.1	3860377	5.72E-04	6.17E-04	9.77E-04	1.98E-07	5.98E-07	3.46E-07	3.73E-07	3.38E-07	1.54E-07	2.44E-07	0.00E+00	0.00E+00	6.36E-08	1.27E-08	8.04E-08	1.24E-08	1.89E-08	1.88E-07
4661	474363.1	3860377	5.80E-04	6.26E-04	9.92E-04	2.01E-07	6.07E-07	3.51E-07	3.79E-07	3.43E-07	1.57E-07	2.48E-07	0.00E+00	0.00E+00	6.46E-08	1.29E-08	8.16E-08	1.26E-08	1.92E-08	1.91E-07
4662	474863.1	3860377	5.64E-04	6.09E-04	9.65E-04	1.95E-07	5.90E-07	3.42E-07	3.69E-07	3.34E-07	1.52E-07	2.42E-07	0.00E+00	0.00E+00	6.28E-08	1.25E-08	7.94E-08	1.22E-08	1.87E-08	1.86E-07
4663	475363.1	3860377	4.94E-04	5.33E-04	8.45E-04	1.71E-07	5.16E-07	2.99E-07	3.22E-07	2.92E-07	1.33E-07	2.11E-07	0.00E+00	0.00E+00	5.50E-08	1.09E-08	6.95E-08	1.07E-08	1.64E-08	1.62E-07
4664	475863.1	3860377	4.03E-04	4.35E-04	6.88E-04	1.39E-07	4.21E-07	2.44E-07	2.63E-07	2.38E-07	1.09E-07	1.72E-07	0.00E+00	0.00E+00	4.49E-08	8.93E-09	5.67E-08	8.74E-09	1.33E-08	1.33E-07
4665	476363.1	3860377	3.08E-04	3.32E-04	5.24E-04	1.07E-07	3.22E-07	1.86E-07	2.01E-07	1.82E-07	8.31E-08	1.31E-07	0.00E+00	0.00E+00	3.43E-08	6.82E-09	4.33E-08	6.67E-09	1.02E-08	1.01E-07
4666	476863.1	3860377	2.75E-04	2.97E-04	4.67E-04	9.52E-08	2.88E-07	1.66E-07	1.79E-07	1.63E-07	7.42E-08	1.17E-07	0.00E+00	0.00E+00	3.06E-08	6.09E-09	3.87E-08	5.96E-09	9.05E-09	9.04E-08
4667	477363.1	3860377	1.67E-04	1.80E-04	2.82E-04	5.77E-08	1.74E-07	1.01E-07	1.09E-07	9.85E-08	4.49E-08	7.05E-08	0.00E+00	0.00E+00	1.86E-08	3.69E-09	2.34E-08	3.61E-09	5.46E-09	5.47E-08

4668	477863.1	3860377	2.12E-04	2.28E-04	3.58E-04	7.33E-08	2.21E-07	1.28E-07	1.38E-07	1.25E-07	5.71E-08	8.97E-08	0.00E+00	0.00E+00	2.36E-08	4.69E-09	2.97E-08	4.59E-09	6.95E-09	6.95E-08
4669	478363.1	3860377	4.12E-04	4.45E-04	7.02E-04	1.43E-07	4.31E-07	2.49E-07	2.69E-07	2.44E-07	1.11E-07	1.76E-07	0.00E+00	0.00E+00	4.59E-08	9.13E-09	5.79E-08	8.93E-09	1.36E-08	1.35E-07
4670	478863.1	3860377	6.49E-04	7.00E-04	1.11E-03	2.25E-07	6.79E-07	3.93E-07	4.24E-07	3.84E-07	1.75E-07	2.78E-07	0.00E+00	0.00E+00	7.23E-08	1.44E-08	9.13E-08	1.41E-08	2.15E-08	2.14E-07
4671	479363.1	3860377	9.41E-04	1.02E-03	1.61E-03	3.26E-07	9.84E-07	5.70E-07	6.15E-07	5.57E-07	2.54E-07	4.03E-07	0.00E+00	0.00E+00	1.05E-07	2.09E-08	1.32E-07	2.04E-08	3.12E-08	3.10E-07
4672	479863.1	3860377	1.18E-03	1.28E-03	2.03E-03	4.10E-07	1.24E-06	7.17E-07	7.73E-07	7.01E-07	3.20E-07	5.07E-07	0.00E+00	0.00E+00	1.32E-07	2.63E-08	1.67E-07	2.57E-08	3.93E-08	3.90E-07
4673	480363.1	3860377	1.34E-03	1.45E-03	2.29E-03	4.64E-07	1.40E-06	8.12E-07	8.76E-07	7.94E-07	3.62E-07	5.73E-07	0.00E+00	0.00E+00	1.49E-07	2.97E-08	1.89E-07	2.91E-08	4.44E-08	4.41E-07
4674	480863.1	3860377	1.46E-03	1.58E-03	2.49E-03	5.05E-07	1.53E-06	8.84E-07	9.53E-07	8.64E-07	3.94E-07	6.23E-07	0.00E+00	0.00E+00	1.63E-07	3.23E-08	2.05E-07	3.17E-08	4.82E-08	4.80E-07
4675	481363.1	3860377	1.57E-03	1.70E-03	2.68E-03	5.44E-07	1.64E-06	9.51E-07	1.03E-06	9.30E-07	4.24E-07	6.70E-07	0.00E+00	0.00E+00	1.75E-07	3.48E-08	2.21E-07	3.41E-08	5.19E-08	5.17E-07
4676	481863.1	3860377	1.69E-03	1.82E-03	2.88E-03	5.85E-07	1.77E-06	1.02E-06	1.10E-06	1.00E-06	4.56E-07	7.21E-07	0.00E+00	0.00E+00	1.88E-07	3.74E-08	2.38E-07	3.66E-08	5.58E-08	5.56E-07
4677	482363.1	3860377	1.81E-03	1.95E-03	3.07E-03	6.25E-07	1.89E-06	1.09E-06	1.18E-06	1.07E-06	4.88E-07	7.69E-07	0.00E+00	0.00E+00	2.01E-07	4.00E-08	2.54E-07	3.92E-08	5.96E-08	5.94E-07
4678	482863.1	3860377	1.92E-03	2.07E-03	3.27E-03	6.65E-07	2.01E-06	1.16E-06	1.25E-06	1.14E-06	5.19E-07	8.18E-07	0.00E+00	0.00E+00	2.14E-07	4.26E-08	2.70E-07	4.17E-08	6.33E-08	6.32E-07
4679	483363.1	3860377	2.03E-03	2.19E-03	3.45E-03	7.04E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.64E-07	0.00E+00	0.00E+00	2.26E-07	4.51E-08	2.86E-07	4.41E-08	6.69E-08	6.68E-07
4680	483863.1	3860377	2.14E-03	2.31E-03	3.63E-03	7.41E-07	2.24E-06	1.30E-06	1.40E-06	1.27E-06	5.78E-07	9.07E-07	0.00E+00	0.00E+00	2.38E-07	4.74E-08	3.01E-07	4.64E-08	7.03E-08	7.03E-07
4681	484363.1	3860377	2.17E-03	2.34E-03	3.66E-03	7.51E-07	2.27E-06	1.31E-06	1.41E-06	1.28E-06	5.85E-07	9.17E-07	0.00E+00	0.00E+00	2.42E-07	4.80E-08	3.05E-07	4.70E-08	7.10E-08	7.12E-07
4682	484863.1	3860377	2.27E-03	2.44E-03	3.82E-03	7.84E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.11E-07	9.57E-07	0.00E+00	0.00E+00	2.52E-07	5.01E-08	3.18E-07	4.91E-08	7.41E-08	7.44E-07
4683	485363.1	3860377	2.35E-03	2.53E-03	3.96E-03	8.12E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	9.90E-07	0.00E+00	0.00E+00	2.61E-07	5.19E-08	3.30E-07	5.08E-08	7.67E-08	7.70E-07
4684	485863.1	3860377	2.42E-03	2.60E-03	4.07E-03	8.36E-07	2.52E-06	1.46E-06	1.57E-06	1.43E-06	6.51E-07	1.02E-06	0.00E+00	0.00E+00	2.69E-07	5.34E-08	3.39E-07	5.23E-08	7.89E-08	7.93E-07
4685	486363.1	3860377	2.44E-03	2.63E-03	4.11E-03	8.45E-07	2.55E-06	1.48E-06	1.59E-06	1.44E-06	6.58E-07	1.03E-06	0.00E+00	0.00E+00	2.72E-07	5.40E-08	3.43E-07	5.28E-08	7.97E-08	8.01E-07
4686	486863.1	3860377	2.45E-03	2.64E-03	4.13E-03	8.50E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.62E-07	1.03E-06	0.00E+00	0.00E+00	2.73E-07	5.43E-08	3.45E-07	5.31E-08	8.01E-08	8.05E-07
4687	487363.1	3860377	2.46E-03	2.65E-03	4.14E-03	8.53E-07	2.57E-06	1.49E-06	1.60E-06	1.45E-06	6.64E-07	1.04E-06	0.00E+00	0.00E+00	2.74E-07	5.45E-08	3.46E-07	5.33E-08	8.02E-08	8.08E-07
4688	487863.1	3860377	2.52E-03	2.71E-03	4.23E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.06E-06	0.00E+00	0.00E+00	2.80E-07	5.56E-08	3.53E-07	5.45E-08	8.20E-08	8.25E-07
4689	488363.1	3860377	2.57E-03	2.77E-03	4.33E-03	8.89E-07	2.68E-06	1.55E-06	1.67E-06	1.52E-06	6.92E-07	1.08E-06	0.00E+00	0.00E+00	2.86E-07	5.68E-08	3.61E-07	5.56E-08	8.39E-08	8.43E-07
4690	488863.1	3860377	2.63E-03	2.83E-03	4.45E-03	9.10E-07	2.75E-06	1.59E-06	1.71E-06	1.55E-06	7.09E-07	1.11E-06	0.00E+00	0.00E+00	2.93E-07	5.82E-08	3.69E-07	5.70E-08	8.62E-08	8.64E-07
4691	489363.1	3860377	2.71E-03	2.92E-03	4.60E-03	9.37E-07	2.83E-06	1.64E-06	1.77E-06	1.60E-06	7.31E-07	1.15E-06	0.00E+00	0.00E+00	3.01E-07	5.99E-08	3.80E-07	5.87E-08	8.91E-08	8.89E-07
4692	489863.1	3860377	2.74E-03	2.96E-03	4.67E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.40E-07	1.17E-06	0.00E+00	0.00E+00	3.05E-07	6.08E-08	3.86E-07	5.95E-08	9.05E-08	9.02E-07
4693	490363.1	3860377	2.60E-03	2.81E-03	4.43E-03	9.01E-07	2.72E-06	1.57E-06	1.70E-06	1.54E-06	7.03E-07	1.11E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.64E-08	8.59E-08	8.56E-07
4694	490863.1	3860377	2.49E-03	2.68E-03	4.24E-03	8.62E-07	2.60E-06	1.51E-06	1.62E-06	1.47E-06	6.72E-07	1.06E-06	0.00E+00	0.00E+00	2.77E-07	5.51E-08	3.50E-07	5.40E-08	8.22E-08	8.18E-07
4695	491363.1	3860377	2.51E-03	2.71E-03	4.28E-03	8.70E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.78E-07	1.07E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.53E-07	5.45E-08	8.30E-08	8.26E-07
4696	491863.1	3860377	2.60E-03	2.81E-03	4.45E-03	9.02E-07	2.72E-06	1.58E-06	1.70E-06	1.54E-06	7.03E-07	1.11E-06	0.00E+00	0.00E+00	2.90E-07	5.77E-08	3.66E-07	5.65E-08	8.61E-08	8.57E-07
4697	492363.1	3860377	2.68E-03	2.90E-03	4.60E-03	9.29E-07	2.81E-06	1.62E-06	1.75E-06	1.59E-06	7.25E-07	1.15E-06	0.00E+00	0.00E+00	2.99E-07	5.95E-08	3.78E-07	5.82E-08	8.91E-08	8.83E-07
4698	492863.1	3860377	2.66E-03	2.87E-03	4.56E-03	9.20E-07	2.78E-06	1.61E-06	1.74E-06	1.57E-06	7.18E-07	1.14E-06	0.00E+00	0.00E+00	2.96E-07	5.89E-08	3.74E-07	5.76E-08	8.83E-08	8.74E-07
4699	493363.1	3860377	2.63E-03	2.84E-03	4.51E-03	9.09E-07	2.74E-06	1.59E-06	1.72E-06	1.55E-06	7.10E-07	1.13E-06	0.00E+00	0.00E+00	2.92E-07	5.82E-08	3.69E-07	5.70E-08	8.74E-08	8.64E-07
4700	493863.1	3860377	2.54E-03	2.74E-03	4.36E-03	8.79E-07	2.65E-06	1.54E-06	1.66E-06	1.50E-06	6.86E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.63E-08	3.57E-07	5.51E-08	8.46E-08	8.36E-07
4701	494363.1	3860377	2.46E-03	2.66E-03	4.23E-03	8.52E-07	2.57E-06	1.49E-06	1.61E-06	1.46E-06	6.65E-07	1.06E-06	0.00E+00	0.00E+00	2.74E-07	5.46E-08	3.47E-07	5.34E-08	8.21E-08	8.11E-07
4702	494863.1	3860377	2.37E-03	2.56E-03	4.08E-03	8.21E-07	2.48E-06	1.43E-06	1.55E-06	1.40E-06	6.41E-07	1.02E-06	0.00E+00	0.00E+00	2.64E-07	5.26E-08	3.34E-07	5.15E-08	7.91E-08	7.81E-07
4703	495363.1	3860377	2.29E-03	2.48E-03	3.95E-03	7.93E-07	2.40E-06	1.39E-06	1.50E-06	1.36E-06	6.20E-07	9.87E-07	0.00E+00	0.00E+00	2.55E-07	5.08E-08	3.23E-07	4.98E-08	7.65E-08	7.55E-07
4704	495863.1	3860377	2.17E-03	2.34E-03	3.72E-03	7.50E-07	2.26E-06	1.31E-06	1.42E-06	1.28E-06	5.86E-07	9.32E-07	0.00E+00	0.00E+00	2.41E-07	4.81E-08	3.05E-07	4.70E-08	7.22E-08	7.13E-07
4705	496363.1	3860377	2.02E-03	2.18E-03	3.47E-03	6.98E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.68E-07	0.00E+00	0.00E+00	2.24E-07	4.47E-08	2.84E-07	4.38E-08	6.72E-08	6.64E-07
4706	496863.1	3860377	1.87E-03	2.02E-03	3.22E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	8.05E-07	0.00E+00	0.00E+00	2.08E-07	4.15E-08	2.63E-07	4.06E-08	6.23E-08	6.16E-07
4707	497363.1	3860377	1.68E-03	1.81E-03	2.89E-03	5.81E-07	1.76E-06	1.02E-06	1.10E-06	9.95E-07	4.54E-07	7.24E-07	0.00E+00	0.00E+00	1.87E-07	3.72E-08	2.36E-07	3.65E-08	5.60E-08	5.53E-07
4708	497863.1	3860377	1.84E-03	1.98E-03	3.16E-03	6.36E-07	1.92E-06	1.11E-06	1.20E-06	1.09E-06	4.96E-07	7.91E-07	0.00E+00	0.00E+00	2.04E-07	4.07E-08	2.58E-07	3.99E-08	6.13E-08	6.05E-07
4709	498363.1	3860377	1.87E-03	2.02E-03	3.22E-03	6.47E-07	1.95E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	8.06E-07	0.00E+00	0.00E+00	2.08E-07	4.15E-08	2.63E-07	4.06E-08	6.24E-08	6.16E-07
4710	471363.1	3860877	4.34E-04	4.69E-04	7.43E-04	1.50E-07	4.54E-07	2.63E-07	2.84E-07	2.57E-07	1.17E-07	1.86E-07	0.00E+00	0.00E+00	4.84E-08	9.63E-09	6.11E-08	9.42E-09	1.44E-08	1.43E-07
4711	471863.1	3860877	4.58E-04	4.95E-04	7.84E-04	1.59E-07	4.79E-07	2.77E-07	2.99E-07	2.71E-07	1.24E-07	1.96E-07	0.00E+00	0.00E+00	5.10E-08	1.02E-08	6.45E-08	9.94E-09	1.52E-08	1.51E-07
4712	472363.1	3860877	4.82E-04	5.20E-04	8.24E-04	1.67E-07	5.04E-07	2.92E-07	3.15E-07	2.85E-07	1.30E-07	2.06E-07	0.00E+00	0.00E+00	5.37E-08	1.07E-08	6.78E-08	1.05E-08	1.60E-08	1.59E-07
4713	472863.1	3860877	5.09E-04	5.49E-04	8.70E-04	1.76E-07	5.32E-07	3.08E-07	3.32E-07	3.01E-07	1.38E-07	2.18E-07	0.00E+00	0.00E+00	5.67E-08	1.13E-08	7.16E-08	1.10E-08	1.69E-08	1.67E-07
4714	473363.1	3860877	5.34E-04	5.76E-04	9.11E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.28E-07	0.00E+00	0.00E+00	5.94E-08	1.18E-08	7.50E-08	1.16E-08	1.77E-08	1.75E-07
4715	473863.1	3860877	5.58E-04	6.02E-04	9.54E-04	1.93E-07	5.84E-07	3.38E-07	3.65E-07	3.30E-07	1.51E-07	2.39E-07	0.00E+00	0.00E+00	6.22E-08	1.24E-08	7.85E-08	1.21E-08	1.85E-08	1.84E-07
4716	474363.1	3860877	5.82E-04	6.27E-04	9.94E-04	2.01E-07	6.08E-07	3.52E-07	3.80E-07	3.44E-07	1.57E-07	2.49E-07	0.00E+00	0.00E+00	6.47E-08	1.29E-08	8.18E-08	1.26E-08	1.93E-08	1.91E-07
4717	474863.1	3860877	6.09E-04	6.57E-04	1.04E-03	2.11E-07	6.36E-07	3.68E-07	3.97E-07	3.60E-07	1.64E-07	2.60E-07	0.00E+00	0.00E+00	6.77E-08	1.35E-08	8.56E-08	1.32E-08	2.02E-08	2.00E-07
4718	475363.1	3860877	6.13E-04	6.62E-04	1.05E-03	2.12E-07	6.41E-07	3.71E-07	4.00E-07	3.63E-07	1.66E-07	2.63E-07	0.00E+00	0.00E+00	6.83E-08	1.36E-08	8.62E-08	1.33E-08	2.03E-08	2.02E-07
4719	475863.1	3860877	5.87E-04	6.34E-04	1.00E-03	2.03E-07	6.14E-07	3.55E-07	3.83E-07	3.48E-07	1.59E-07	2.52E-07	0.00E+00	0.00E+00	6.54E-08	1.30E-08	8.26E-08	1.27E-08	1.95E-08	1.93E-07
4720	476363.1	3860877	5.25E-04	5.66E-04	8.98E-04	1.82E-07	5.48E-07	3.18E-07	3.43E-07	3.11E-07	1.42E-07	2.25E-07	0.00E+00	0.00E+00	5.84E-08	1.16E-08	7.38E-08	1.14E-08	1.74E-08	1.73E-07
4721	476863.1	3860877	5.01E-04	5.41E-04	8.57E-04	1.73E-07	5.24E-07	3.03E-07	3.27E-07	2.97E-07	1.35E-07	2.14E-07	0.00E+00	0.00E+00	5.58E-08	1.11E-08	7.05E-08	1.09E-08	1.66E-08	1.65E-07
4722	477363.1	3860877	5.19E-04	5.60E-04	8.88E-04	1.80E-07	5.43E-07	3.14E-07	3.39E-07	3.07E-07	1.40E-07	2.22E-07	0.00E+00	0.00E+00	5.78E-08	1.15E-08	7.30E-08	1.13E-08	1.72E-08	1.71E-07
4723	477863.1	3860877	4.41E-04	4.76E-04	7.52E-04	1.53E-07	4.61E-07	2.67E-07	2.88E-07	2.61E-07	1.19E-07	1.88E-07	0.00E+00	0.00E+00	4.91E-08	9.77E-09	6.20E-08	9.56E-09	1.46E-08	1.45E-07
4724	478363.1	3860877	2.53E-04	2.72E-04	4.28E-04	8.75E-08	2.64E-07	1.53E-07	1.65E-07	1.49E-07	6.82E-08	1.07E-07	0.00E+00	0.00E+00	2.81E-08	5.59E-09	3.55E-08	5.47E-09	8.30E-09	8.30E-08

4725	478863.1	3860877	6.02E-04	6.50E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.63E-07	2.58E-07	0.00E+00	0.00E+00	6.70E-08	1.33E-08	8.47E-08	1.31E-08	1.99E-08	1.98E-07
4726	479363.1	3860877	9.02E-04	9.74E-04	1.55E-03	3.12E-07	9.43E-07	5.46E-07	5.89E-07	5.34E-07	2.44E-07	3.87E-07	0.00E+00	0.00E+00	1.00E-07	2.00E-08	1.27E-07	1.96E-08	2.99E-08	2.97E-07
4727	479863.1	3860877	1.10E-03	1.19E-03	1.88E-03	3.81E-07	1.15E-06	6.67E-07	7.19E-07	6.52E-07	2.98E-07	4.71E-07	0.00E+00	0.00E+00	1.23E-07	2.44E-08	1.55E-07	2.39E-08	3.65E-08	3.62E-07
4728	480363.1	3860877	1.22E-03	1.32E-03	2.08E-03	4.22E-07	1.28E-06	7.38E-07	7.96E-07	7.22E-07	3.29E-07	5.21E-07	0.00E+00	0.00E+00	1.36E-07	2.70E-08	1.71E-07	2.64E-08	4.03E-08	4.01E-07
4729	480863.1	3860877	1.31E-03	1.41E-03	2.22E-03	4.52E-07	1.37E-06	7.91E-07	8.53E-07	7.73E-07	3.53E-07	5.57E-07	0.00E+00	0.00E+00	1.45E-07	2.89E-08	1.84E-07	2.83E-08	4.31E-08	4.30E-07
4730	481363.1	3860877	1.40E-03	1.51E-03	2.38E-03	4.84E-07	1.46E-06	8.46E-07	9.12E-07	8.27E-07	3.77E-07	5.95E-07	0.00E+00	0.00E+00	1.56E-07	3.10E-08	1.96E-07	3.03E-08	4.61E-08	4.59E-07
4731	481863.1	3860877	1.48E-03	1.60E-03	2.52E-03	5.13E-07	1.55E-06	8.96E-07	9.66E-07	8.76E-07	4.00E-07	6.30E-07	0.00E+00	0.00E+00	1.65E-07	3.28E-08	2.08E-07	3.21E-08	4.88E-08	4.87E-07
4732	482363.1	3860877	1.57E-03	1.69E-03	2.67E-03	5.43E-07	1.64E-06	9.50E-07	1.02E-06	9.28E-07	4.24E-07	6.67E-07	0.00E+00	0.00E+00	1.75E-07	3.48E-08	2.21E-07	3.40E-08	5.17E-08	5.16E-07
4733	482863.1	3860877	1.65E-03	1.78E-03	2.81E-03	5.73E-07	1.73E-06	1.00E-06	1.08E-06	9.78E-07	4.46E-07	7.03E-07	0.00E+00	0.00E+00	1.84E-07	3.66E-08	2.32E-07	3.58E-08	5.44E-08	5.44E-07
4734	483363.1	3860877	1.73E-03	1.87E-03	2.93E-03	5.99E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.34E-07	0.00E+00	0.00E+00	1.93E-07	3.83E-08	2.43E-07	3.75E-08	5.68E-08	5.68E-07
4735	483863.1	3860877	1.80E-03	1.94E-03	3.05E-03	6.24E-07	1.88E-06	1.09E-06	1.18E-06	1.07E-06	4.86E-07	7.63E-07	0.00E+00	0.00E+00	2.01E-07	3.99E-08	2.53E-07	3.90E-08	5.91E-08	5.92E-07
4736	484363.1	3860877	1.85E-03	2.00E-03	3.13E-03	6.42E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.00E-07	7.84E-07	0.00E+00	0.00E+00	2.06E-07	4.10E-08	2.60E-07	4.01E-08	6.07E-08	6.09E-07
4737	484863.1	3860877	1.87E-03	2.02E-03	3.16E-03	6.48E-07	1.96E-06	1.13E-06	1.22E-06	1.11E-06	5.05E-07	7.90E-07	0.00E+00	0.00E+00	2.08E-07	4.14E-08	2.63E-07	4.05E-08	6.12E-08	6.14E-07
4738	485363.1	3860877	1.93E-03	2.08E-03	3.25E-03	6.68E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.14E-07	0.00E+00	0.00E+00	2.15E-07	4.27E-08	2.71E-07	4.18E-08	6.31E-08	6.33E-07
4739	485863.1	3860877	1.98E-03	2.14E-03	3.34E-03	6.86E-07	2.07E-06	1.20E-06	1.29E-06	1.17E-06	5.35E-07	8.37E-07	0.00E+00	0.00E+00	2.21E-07	4.39E-08	2.78E-07	4.29E-08	6.48E-08	6.51E-07
4740	486363.1	3860877	1.96E-03	2.11E-03	3.30E-03	6.77E-07	2.05E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.25E-07	0.00E+00	0.00E+00	2.18E-07	4.33E-08	2.75E-07	4.24E-08	6.39E-08	6.42E-07
4741	486863.1	3860877	1.94E-03	2.09E-03	3.27E-03	6.72E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.24E-07	8.18E-07	0.00E+00	0.00E+00	2.16E-07	4.30E-08	2.73E-07	4.20E-08	6.33E-08	6.37E-07
4742	487363.1	3860877	1.94E-03	2.09E-03	3.27E-03	6.72E-07	2.03E-06	1.17E-06	1.27E-06	1.15E-06	5.23E-07	8.18E-07	0.00E+00	0.00E+00	2.16E-07	4.30E-08	2.73E-07	4.20E-08	6.33E-08	6.37E-07
4743	487863.1	3860877	1.94E-03	2.09E-03	3.26E-03	6.71E-07	2.03E-06	1.17E-06	1.26E-06	1.15E-06	5.22E-07	8.17E-07	0.00E+00	0.00E+00	2.16E-07	4.29E-08	2.72E-07	4.20E-08	6.33E-08	6.36E-07
4744	488363.1	3860877	2.02E-03	2.18E-03	3.41E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.19E-06	5.45E-07	8.54E-07	0.00E+00	0.00E+00	2.25E-07	4.47E-08	2.84E-07	4.38E-08	6.61E-08	6.63E-07
4745	488863.1	3860877	2.02E-03	2.18E-03	3.43E-03	7.00E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.46E-07	8.57E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.38E-08	6.64E-08	6.64E-07
4746	489363.1	3860877	2.09E-03	2.26E-03	3.55E-03	7.25E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.65E-07	8.90E-07	0.00E+00	0.00E+00	2.33E-07	4.64E-08	2.94E-07	4.54E-08	6.89E-08	6.88E-07
4747	489863.1	3860877	2.10E-03	2.26E-03	3.57E-03	7.26E-07	2.19E-06	1.27E-06	1.37E-06	1.24E-06	5.66E-07	8.93E-07	0.00E+00	0.00E+00	2.33E-07	4.65E-08	2.95E-07	4.55E-08	6.91E-08	6.89E-07
4748	490363.1	3860877	2.12E-03	2.29E-03	3.62E-03	7.35E-07	2.22E-06	1.28E-06	1.39E-06	1.26E-06	5.73E-07	9.05E-07	0.00E+00	0.00E+00	2.36E-07	4.70E-08	2.98E-07	4.60E-08	7.01E-08	6.98E-07
4749	490863.1	3860877	2.04E-03	2.20E-03	3.48E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.71E-07	0.00E+00	0.00E+00	2.27E-07	4.52E-08	2.87E-07	4.42E-08	6.75E-08	6.71E-07
4750	491363.1	3860877	1.94E-03	2.09E-03	3.31E-03	6.71E-07	2.03E-06	1.17E-06	1.26E-06	1.15E-06	5.23E-07	8.28E-07	0.00E+00	0.00E+00	2.16E-07	4.29E-08	2.72E-07	4.20E-08	6.41E-08	6.37E-07
4751	491863.1	3860877	1.93E-03	2.08E-03	3.29E-03	6.67E-07	2.01E-06	1.17E-06	1.26E-06	1.14E-06	5.20E-07	8.24E-07	0.00E+00	0.00E+00	2.15E-07	4.27E-08	2.71E-07	4.18E-08	6.38E-08	6.34E-07
4752	492363.1	3860877	1.95E-03	2.10E-03	3.33E-03	6.74E-07	2.03E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.32E-07	0.00E+00	0.00E+00	2.17E-07	4.31E-08	2.74E-07	4.22E-08	6.44E-08	6.40E-07
4753	492863.1	3860877	2.02E-03	2.18E-03	3.45E-03	6.99E-07	2.11E-06	1.22E-06	1.32E-06	1.20E-06	5.45E-07	8.65E-07	0.00E+00	0.00E+00	2.25E-07	4.48E-08	2.84E-07	4.38E-08	6.70E-08	6.64E-07
4754	493363.1	3860877	2.09E-03	2.25E-03	3.58E-03	7.22E-07	2.18E-06	1.26E-06	1.36E-06	1.24E-06	5.64E-07	8.95E-07	0.00E+00	0.00E+00	2.32E-07	4.62E-08	2.93E-07	4.53E-08	6.93E-08	6.86E-07
4755	493863.1	3860877	2.07E-03	2.24E-03	3.56E-03	7.17E-07	2.17E-06	1.25E-06	1.35E-06	1.23E-06	5.60E-07	8.91E-07	0.00E+00	0.00E+00	2.31E-07	4.59E-08	2.92E-07	4.50E-08	6.90E-08	6.82E-07
4756	494363.1	3860877	2.04E-03	2.20E-03	3.50E-03	7.05E-07	2.13E-06	1.23E-06	1.33E-06	1.21E-06	5.51E-07	8.77E-07	0.00E+00	0.00E+00	2.27E-07	4.52E-08	2.87E-07	4.42E-08	6.79E-08	6.71E-07
4757	494863.1	3860877	2.00E-03	2.16E-03	3.44E-03	6.92E-07	2.09E-06	1.21E-06	1.31E-06	1.18E-06	5.41E-07	8.61E-07	0.00E+00	0.00E+00	2.23E-07	4.44E-08	2.81E-07	4.34E-08	6.67E-08	6.59E-07
4758	495363.1	3860877	1.95E-03	2.11E-03	3.36E-03	6.76E-07	2.04E-06	1.18E-06	1.28E-06	1.16E-06	5.28E-07	8.41E-07	0.00E+00	0.00E+00	2.17E-07	4.33E-08	2.75E-07	4.24E-08	6.51E-08	6.43E-07
4759	495863.1	3860877	1.89E-03	2.04E-03	3.26E-03	6.55E-07	1.98E-06	1.15E-06	1.24E-06	1.12E-06	5.12E-07	8.16E-07	0.00E+00	0.00E+00	2.11E-07	4.20E-08	2.66E-07	4.11E-08	6.32E-08	6.24E-07
4760	496363.1	3860877	1.85E-03	2.00E-03	3.19E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.10E-06	5.01E-07	7.99E-07	0.00E+00	0.00E+00	2.06E-07	4.11E-08	2.61E-07	4.02E-08	6.18E-08	6.10E-07
4761	496863.1	3860877	1.77E-03	1.91E-03	3.04E-03	6.12E-07	1.85E-06	1.07E-06	1.16E-06	1.05E-06	4.78E-07	7.61E-07	0.00E+00	0.00E+00	1.97E-07	3.92E-08	2.49E-07	3.84E-08	5.89E-08	5.82E-07
4762	497363.1	3860877	1.72E-03	1.85E-03	2.95E-03	5.95E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.64E-07	7.39E-07	0.00E+00	0.00E+00	1.91E-07	3.81E-08	2.42E-07	3.73E-08	5.72E-08	5.65E-07
4763	497863.1	3860877	1.66E-03	1.79E-03	2.85E-03	5.74E-07	1.73E-06	1.00E-06	1.08E-06	9.81E-07	4.48E-07	7.13E-07	0.00E+00	0.00E+00	1.84E-07	3.67E-08	2.33E-07	3.60E-08	5.52E-08	5.46E-07
4764	498363.1	3860877	1.64E-03	1.77E-03	2.83E-03	5.69E-07	1.72E-06	9.94E-07	1.07E-06	9.73E-07	4.44E-07	7.08E-07	0.00E+00	0.00E+00	1.83E-07	3.64E-08	2.31E-07	3.56E-08	5.48E-08	5.41E-07
4765	471363.1	3861377	4.33E-04	4.67E-04	7.40E-04	1.50E-07	4.53E-07	2.62E-07	2.83E-07	2.56E-07	1.17E-07	1.85E-07	0.00E+00	0.00E+00	4.82E-08	9.60E-09	6.09E-08	9.39E-09	1.43E-08	1.42E-07
4766	471863.1	3861377	4.53E-04	4.89E-04	7.74E-04	1.57E-07	4.73E-07	2.74E-07	2.96E-07	2.68E-07	1.22E-07	1.94E-07	0.00E+00	0.00E+00	5.04E-08	1.00E-08	6.37E-08	9.82E-09	1.50E-08	1.49E-07
4767	472363.1	3861377	4.74E-04	5.11E-04	8.09E-04	1.64E-07	4.95E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	2.03E-07	0.00E+00	0.00E+00	5.27E-08	1.05E-08	6.66E-08	1.03E-08	1.57E-08	1.56E-07
4768	472863.1	3861377	4.98E-04	5.37E-04	8.50E-04	1.72E-07	5.20E-07	3.01E-07	3.25E-07	2.95E-07	1.34E-07	2.13E-07	0.00E+00	0.00E+00	5.54E-08	1.10E-08	7.00E-08	1.08E-08	1.65E-08	1.64E-07
4769	473363.1	3861377	5.21E-04	5.62E-04	8.90E-04	1.80E-07	5.45E-07	3.15E-07	3.40E-07	3.08E-07	1.41E-07	2.23E-07	0.00E+00	0.00E+00	5.80E-08	1.15E-08	7.33E-08	1.13E-08	1.73E-08	1.71E-07
4770	473863.1	3861377	5.43E-04	5.86E-04	9.28E-04	1.88E-07	5.68E-07	3.29E-07	3.55E-07	3.22E-07	1.47E-07	2.32E-07	0.00E+00	0.00E+00	6.05E-08	1.20E-08	7.64E-08	1.18E-08	1.80E-08	1.79E-07
4771	474363.1	3861377	5.73E-04	6.18E-04	9.78E-04	1.98E-07	5.98E-07	3.46E-07	3.74E-07	3.39E-07	1.55E-07	2.45E-07	0.00E+00	0.00E+00	6.37E-08	1.27E-08	8.05E-08	1.24E-08	1.90E-08	1.88E-07
4772	474863.1	3861377	5.95E-04	6.42E-04	1.02E-03	2.06E-07	6.22E-07	3.60E-07	3.88E-07	3.52E-07	1.61E-07	2.54E-07	0.00E+00	0.00E+00	6.62E-08	1.32E-08	8.36E-08	1.29E-08	1.97E-08	1.96E-07
4773	475363.1	3861377	6.27E-04	6.77E-04	1.07E-03	2.17E-07	6.56E-07	3.79E-07	4.09E-07	3.71E-07	1.69E-07	2.68E-07	0.00E+00	0.00E+00	6.98E-08	1.39E-08	8.82E-08	1.36E-08	2.08E-08	2.06E-07
4774	475863.1	3861377	6.46E-04	6.97E-04	1.10E-03	2.24E-07	6.75E-07	3.91E-07	4.22E-07	3.82E-07	1.74E-07	2.76E-07	0.00E+00	0.00E+00	7.19E-08	1.43E-08	9.08E-08	1.40E-08	2.14E-08	2.12E-07
4775	476363.1	3861377	6.51E-04	7.03E-04	1.11E-03	2.25E-07	6.81E-07	3.94E-07	4.25E-07	3.85E-07	1.76E-07	2.79E-07	0.00E+00	0.00E+00	7.25E-08	1.44E-08	9.16E-08	1.41E-08	2.16E-08	2.14E-07
4776	476863.1	3861377	6.58E-04	7.10E-04	1.13E-03	2.28E-07	6.88E-07	3.98E-07	4.30E-07	3.89E-07	1.78E-07	2.82E-07	0.00E+00	0.00E+00	7.32E-08	1.46E-08	9.25E-08	1.43E-08	2.18E-08	2.16E-07
4777	477363.1	3861377	6.68E-04	7.21E-04	1.14E-03	2.31E-07	6.98E-07	4.04E-07	4.36E-07	3.96E-07	1.80E-07	2.86E-07	0.00E+00	0.00E+00	7.44E-08	1.48E-08	9.40E-08	1.45E-08	2.22E-08	2.20E-07
4778	477863.1	3861377	5.56E-04	6.00E-04	9.52E-04	1.93E-07	5.81E-07	3.37E-07	3.63E-07	3.29E-07	1.50E-07	2.38E-07	0.00E+00	0.00E+00	6.19E-08	1.23E-08	7.82E-08	1.21E-08	1.84E-08	1.83E-07
4779	478363.1	3861377	3.14E-04	3.39E-04	5.33E-04	1.09E-07	3.28E-07	1.90E-07	2.05E-07	1.86E-07	8.48E-08	1.34E-07	0.00E+00	0.00E+00	3.50E-08	6.96E-09	4.41E-08	6.81E-09	1.03E-08	1.03E-07
4780	478863.1	3861377	4.06E-04	4.38E-04	6.92E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.40E-07	1.10E-07	1.73E-07	0.00E+00	0.00E+00	4.52E-08	9.00E-09	5.71E-08	8.81E-09	1.34E-08	1.34E-07
4781	479363.1	3861377	8.10E-04	8.74E-04	1.39E-03	2.80E-07	8.47E-07	4.90E-07	5.29E-07	4.80E-07	2.19E-07	3.47E-07	0.00E+00	0.00E+00	9.02E-08	1.80E-08	1.14E-07	1.76E-08	2.69E-08	2.67E-07

4782	479863.1	3861377	9.99E-04	1.08E-03	1.71E-03	3.46E-07	1.04E-06	6.04E-07	6.52E-07	5.91E-07	2.70E-07	4.27E-07	0.00E+00	0.00E+00	1.11E-07	2.21E-08	1.40E-07	2.17E-08	3.31E-08	3.28E-07
4783	480363.1	3861377	1.10E-03	1.19E-03	1.88E-03	3.82E-07	1.15E-06	6.67E-07	7.19E-07	6.52E-07	2.98E-07	4.69E-07	0.00E+00	0.00E+00	1.23E-07	2.44E-08	1.55E-07	2.39E-08	3.63E-08	3.62E-07
4784	480863.1	3861377	1.18E-03	1.27E-03	2.00E-03	4.07E-07	1.23E-06	7.11E-07	7.67E-07	6.95E-07	3.17E-07	5.00E-07	0.00E+00	0.00E+00	1.31E-07	2.60E-08	1.65E-07	2.55E-08	3.87E-08	3.86E-07
4785	481363.1	3861377	1.24E-03	1.34E-03	2.11E-03	4.29E-07	1.30E-06	7.50E-07	8.09E-07	7.34E-07	3.35E-07	5.28E-07	0.00E+00	0.00E+00	1.38E-07	2.75E-08	1.74E-07	2.69E-08	4.09E-08	4.08E-07
4786	481863.1	3861377	1.30E-03	1.41E-03	2.21E-03	4.51E-07	1.36E-06	7.89E-07	8.51E-07	7.71E-07	3.52E-07	5.54E-07	0.00E+00	0.00E+00	1.45E-07	2.89E-08	1.83E-07	2.83E-08	4.29E-08	4.28E-07
4787	482363.1	3861377	1.37E-03	1.48E-03	2.32E-03	4.74E-07	1.43E-06	8.28E-07	8.93E-07	8.10E-07	3.69E-07	5.81E-07	0.00E+00	0.00E+00	1.52E-07	3.03E-08	1.92E-07	2.97E-08	4.50E-08	4.50E-07
4788	482863.1	3861377	1.43E-03	1.54E-03	2.43E-03	4.96E-07	1.50E-06	8.67E-07	9.35E-07	8.47E-07	3.87E-07	6.07E-07	0.00E+00	0.00E+00	1.60E-07	3.17E-08	2.01E-07	3.10E-08	4.70E-08	4.71E-07
4789	483363.1	3861377	1.49E-03	1.61E-03	2.53E-03	5.17E-07	1.56E-06	9.04E-07	9.74E-07	8.83E-07	4.03E-07	6.32E-07	0.00E+00	0.00E+00	1.66E-07	3.31E-08	2.10E-07	3.23E-08	4.90E-08	4.90E-07
4790	483863.1	3861377	1.54E-03	1.66E-03	2.61E-03	5.34E-07	1.61E-06	9.34E-07	1.01E-06	9.12E-07	4.16E-07	6.53E-07	0.00E+00	0.00E+00	1.72E-07	3.41E-08	2.17E-07	3.34E-08	5.05E-08	5.07E-07
4791	484363.1	3861377	1.59E-03	1.72E-03	2.69E-03	5.51E-07	1.66E-06	9.64E-07	1.04E-06	9.41E-07	4.30E-07	6.74E-07	0.00E+00	0.00E+00	1.77E-07	3.53E-08	2.24E-07	3.45E-08	5.22E-08	5.23E-07
4792	484863.1	3861377	1.61E-03	1.73E-03	2.71E-03	5.56E-07	1.68E-06	9.72E-07	1.05E-06	9.49E-07	4.33E-07	6.79E-07	0.00E+00	0.00E+00	1.79E-07	3.55E-08	2.26E-07	3.48E-08	5.26E-08	5.27E-07
4793	485363.1	3861377	1.61E-03	1.73E-03	2.71E-03	5.57E-07	1.68E-06	9.73E-07	1.05E-06	9.50E-07	4.34E-07	6.79E-07	0.00E+00	0.00E+00	1.79E-07	3.56E-08	2.26E-07	3.48E-08	5.26E-08	5.28E-07
4794	485863.1	3861377	1.62E-03	1.75E-03	2.74E-03	5.62E-07	1.70E-06	9.83E-07	1.06E-06	9.60E-07	4.38E-07	6.85E-07	0.00E+00	0.00E+00	1.81E-07	3.59E-08	2.28E-07	3.52E-08	5.31E-08	5.33E-07
4795	486363.1	3861377	1.61E-03	1.74E-03	2.71E-03	5.58E-07	1.68E-06	9.75E-07	1.05E-06	9.52E-07	4.34E-07	6.79E-07	0.00E+00	0.00E+00	1.79E-07	3.56E-08	2.26E-07	3.49E-08	5.25E-08	5.29E-07
4796	486863.1	3861377	1.59E-03	1.72E-03	2.68E-03	5.52E-07	1.67E-06	9.65E-07	1.04E-06	9.42E-07	4.30E-07	6.71E-07	0.00E+00	0.00E+00	1.78E-07	3.53E-08	2.24E-07	3.45E-08	5.20E-08	5.23E-07
4797	487363.1	3861377	1.59E-03	1.71E-03	2.67E-03	5.49E-07	1.66E-06	9.60E-07	1.03E-06	9.37E-07	4.27E-07	6.68E-07	0.00E+00	0.00E+00	1.77E-07	3.51E-08	2.23E-07	3.43E-08	5.17E-08	5.20E-07
4798	487863.1	3861377	1.59E-03	1.71E-03	2.67E-03	5.49E-07	1.66E-06	9.59E-07	1.03E-06	9.37E-07	4.27E-07	6.69E-07	0.00E+00	0.00E+00	1.76E-07	3.51E-08	2.23E-07	3.43E-08	5.18E-08	5.20E-07
4799	488363.1	3861377	1.59E-03	1.71E-03	2.68E-03	5.49E-07	1.66E-06	9.60E-07	1.03E-06	9.38E-07	4.28E-07	6.71E-07	0.00E+00	0.00E+00	1.77E-07	3.51E-08	2.23E-07	3.44E-08	5.19E-08	5.21E-07
4800	488863.1	3861377	1.62E-03	1.75E-03	2.75E-03	5.62E-07	1.70E-06	9.82E-07	1.06E-06	9.59E-07	4.38E-07	6.88E-07	0.00E+00	0.00E+00	1.81E-07	3.59E-08	2.28E-07	3.52E-08	5.33E-08	5.33E-07
4801	489363.1	3861377	1.64E-03	1.77E-03	2.78E-03	5.68E-07	1.71E-06	9.92E-07	1.07E-06	9.70E-07	4.43E-07	6.96E-07	0.00E+00	0.00E+00	1.83E-07	3.63E-08	2.30E-07	3.55E-08	5.39E-08	5.39E-07
4802	489863.1	3861377	1.67E-03	1.80E-03	2.84E-03	5.79E-07	1.75E-06	1.01E-06	1.09E-06	9.89E-07	4.51E-07	7.11E-07	0.00E+00	0.00E+00	1.86E-07	3.70E-08	2.35E-07	3.62E-08	5.51E-08	5.50E-07
4803	490363.1	3861377	1.70E-03	1.83E-03	2.89E-03	5.88E-07	1.78E-06	1.03E-06	1.11E-06	1.01E-06	4.59E-07	7.24E-07	0.00E+00	0.00E+00	1.89E-07	3.76E-08	2.39E-07	3.68E-08	5.61E-08	5.59E-07
4804	490863.1	3861377	1.72E-03	1.85E-03	2.93E-03	5.94E-07	1.79E-06	1.04E-06	1.12E-06	1.02E-06	4.64E-07	7.33E-07	0.00E+00	0.00E+00	1.91E-07	3.80E-08	2.41E-07	3.72E-08	5.68E-08	5.65E-07
4805	491363.1	3861377	1.66E-03	1.79E-03	2.84E-03	5.76E-07	1.74E-06	1.01E-06	1.09E-06	9.84E-07	4.49E-07	7.11E-07	0.00E+00	0.00E+00	1.85E-07	3.68E-08	2.34E-07	3.61E-08	5.50E-08	5.47E-07
4806	491863.1	3861377	1.58E-03	1.70E-03	2.70E-03	5.46E-07	1.65E-06	9.55E-07	1.03E-06	9.34E-07	4.26E-07	6.75E-07	0.00E+00	0.00E+00	1.76E-07	3.50E-08	2.22E-07	3.42E-08	5.23E-08	5.19E-07
4807	492363.1	3861377	1.54E-03	1.67E-03	2.64E-03	5.34E-07	1.61E-06	9.34E-07	1.01E-06	9.13E-07	4.17E-07	6.60E-07	0.00E+00	0.00E+00	1.72E-07	3.42E-08	2.17E-07	3.35E-08	5.11E-08	5.08E-07
4808	492863.1	3861377	1.56E-03	1.68E-03	2.66E-03	5.38E-07	1.63E-06	9.41E-07	1.02E-06	9.21E-07	4.20E-07	6.66E-07	0.00E+00	0.00E+00	1.73E-07	3.45E-08	2.19E-07	3.37E-08	5.15E-08	5.12E-07
4809	493363.1	3861377	1.60E-03	1.73E-03	2.74E-03	5.54E-07	1.67E-06	9.69E-07	1.05E-06	9.48E-07	4.33E-07	6.86E-07	0.00E+00	0.00E+00	1.78E-07	3.55E-08	2.25E-07	3.47E-08	5.31E-08	5.27E-07
4810	493863.1	3861377	1.64E-03	1.77E-03	2.82E-03	5.69E-07	1.72E-06	9.94E-07	1.07E-06	9.72E-07	4.44E-07	7.05E-07	0.00E+00	0.00E+00	1.83E-07	3.64E-08	2.31E-07	3.56E-08	5.46E-08	5.40E-07
4811	494363.1	3861377	1.66E-03	1.79E-03	2.85E-03	5.75E-07	1.74E-06	1.01E-06	1.09E-06	9.84E-07	4.49E-07	7.14E-07	0.00E+00	0.00E+00	1.85E-07	3.68E-08	2.34E-07	3.61E-08	5.53E-08	5.47E-07
4812	494863.1	3861377	1.66E-03	1.79E-03	2.85E-03	5.74E-07	1.73E-06	1.00E-06	1.08E-06	9.83E-07	4.48E-07	7.14E-07	0.00E+00	0.00E+00	1.85E-07	3.68E-08	2.33E-07	3.60E-08	5.53E-08	5.46E-07
4813	495363.1	3861377	1.64E-03	1.77E-03	2.81E-03	5.66E-07	1.71E-06	9.90E-07	1.07E-06	9.69E-07	4.42E-07	7.04E-07	0.00E+00	0.00E+00	1.82E-07	3.63E-08	2.30E-07	3.55E-08	5.45E-08	5.39E-07
4814	495863.1	3861377	1.60E-03	1.72E-03	2.75E-03	5.53E-07	1.67E-06	9.66E-07	1.04E-06	9.46E-07	4.32E-07	6.88E-07	0.00E+00	0.00E+00	1.78E-07	3.54E-08	2.25E-07	3.47E-08	5.33E-08	5.26E-07
4815	496363.1	3861377	1.58E-03	1.71E-03	2.72E-03	5.46E-07	1.65E-06	9.55E-07	1.03E-06	9.35E-07	4.27E-07	6.81E-07	0.00E+00	0.00E+00	1.76E-07	3.50E-08	2.22E-07	3.43E-08	5.27E-08	5.20E-07
4816	496863.1	3861377	1.57E-03	1.69E-03	2.70E-03	5.42E-07	1.64E-06	9.48E-07	1.02E-06	9.28E-07	4.24E-07	6.76E-07	0.00E+00	0.00E+00	1.74E-07	3.48E-08	2.21E-07	3.40E-08	5.24E-08	5.16E-07
4817	497363.1	3861377	1.53E-03	1.65E-03	2.64E-03	5.30E-07	1.60E-06	9.26E-07	1.00E-06	9.07E-07	4.14E-07	6.61E-07	0.00E+00	0.00E+00	1.70E-07	3.40E-08	2.15E-07	3.32E-08	5.12E-08	5.04E-07
4818	497863.1	3861377	1.49E-03	1.61E-03	2.58E-03	5.17E-07	1.56E-06	9.03E-07	9.76E-07	8.85E-07	4.04E-07	6.45E-07	0.00E+00	0.00E+00	1.66E-07	3.31E-08	2.10E-07	3.24E-08	4.99E-08	4.92E-07
4819	498363.1	3861377	1.46E-03	1.58E-03	2.52E-03	5.05E-07	1.52E-06	8.83E-07	9.54E-07	8.65E-07	3.94E-07	6.30E-07	0.00E+00	0.00E+00	1.62E-07	3.24E-08	2.05E-07	3.17E-08	4.88E-08	4.81E-07
4820	471363.1	3861877	4.26E-04	4.60E-04	7.28E-04	1.47E-07	4.45E-07	2.58E-07	2.78E-07	2.52E-07	1.15E-07	1.82E-07	0.00E+00	0.00E+00	4.74E-08	9.44E-09	5.99E-08	9.24E-09	1.41E-08	1.40E-07
4821	471863.1	3861877	4.44E-04	4.79E-04	7.58E-04	1.54E-07	4.64E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.90E-07	0.00E+00	0.00E+00	4.94E-08	9.84E-09	6.24E-08	9.63E-09	1.47E-08	1.46E-07
4822	472363.1	3861877	4.63E-04	5.00E-04	7.92E-04	1.60E-07	4.84E-07	2.80E-07	3.03E-07	2.74E-07	1.25E-07	1.98E-07	0.00E+00	0.00E+00	5.16E-08	1.03E-08	6.52E-08	1.00E-08	1.53E-08	1.52E-07
4823	472863.1	3861877	4.85E-04	5.23E-04	8.28E-04	1.68E-07	5.07E-07	2.93E-07	3.16E-07	2.87E-07	1.31E-07	2.07E-07	0.00E+00	0.00E+00	5.40E-08	1.07E-08	6.82E-08	1.05E-08	1.60E-08	1.59E-07
4824	473363.1	3861877	5.07E-04	5.47E-04	8.66E-04	1.76E-07	5.30E-07	3.07E-07	3.31E-07	3.00E-07	1.37E-07	2.17E-07	0.00E+00	0.00E+00	5.65E-08	1.12E-08	7.13E-08	1.10E-08	1.68E-08	1.67E-07
4825	473863.1	3861877	5.29E-04	5.71E-04	9.03E-04	1.83E-07	5.53E-07	3.20E-07	3.45E-07	3.13E-07	1.43E-07	2.26E-07	0.00E+00	0.00E+00	5.89E-08	1.17E-08	7.44E-08	1.15E-08	1.75E-08	1.74E-07
4826	474363.1	3861877	5.53E-04	5.97E-04	9.44E-04	1.91E-07	5.78E-07	3.35E-07	3.61E-07	3.27E-07	1.49E-07	2.36E-07	0.00E+00	0.00E+00	6.16E-08	1.23E-08	7.78E-08	1.20E-08	1.83E-08	1.82E-07
4827	474863.1	3861877	5.76E-04	6.22E-04	9.83E-04	1.99E-07	6.02E-07	3.49E-07	3.76E-07	3.41E-07	1.56E-07	2.46E-07	0.00E+00	0.00E+00	6.41E-08	1.28E-08	8.10E-08	1.25E-08	1.91E-08	1.89E-07
4828	475363.1	3861877	6.02E-04	6.49E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.63E-07	2.57E-07	0.00E+00	0.00E+00	6.70E-08	1.33E-08	8.46E-08	1.30E-08	1.99E-08	1.98E-07
4829	475863.1	3861877	6.31E-04	6.81E-04	1.08E-03	2.19E-07	6.60E-07	3.82E-07	4.12E-07	3.73E-07	1.70E-07	2.69E-07	0.00E+00	0.00E+00	7.03E-08	1.40E-08	8.87E-08	1.37E-08	2.09E-08	2.08E-07
4830	476363.1	3861877	6.59E-04	7.11E-04	1.12E-03	2.28E-07	6.88E-07	3.98E-07	4.30E-07	3.90E-07	1.78E-07	2.81E-07	0.00E+00	0.00E+00	7.33E-08	1.46E-08	9.26E-08	1.43E-08	2.18E-08	2.17E-07
4831	476863.1	3861877	6.78E-04	7.31E-04	1.16E-03	2.35E-07	7.08E-07	4.10E-07	4.42E-07	4.01E-07	1.83E-07	2.90E-07	0.00E+00	0.00E+00	7.54E-08	1.50E-08	9.53E-08	1.47E-08	2.24E-08	2.23E-07
4832	477363.1	3861877	6.87E-04	7.42E-04	1.18E-03	2.38E-07	7.19E-07	4.16E-07	4.49E-07	4.07E-07	1.86E-07	2.94E-07	0.00E+00	0.00E+00	7.65E-08	1.52E-08	9.67E-08	1.49E-08	2.28E-08	2.26E-07
4833	477863.1	3861877	5.57E-04	6.01E-04	9.53E-04	1.93E-07	5.83E-07	3.37E-07	3.64E-07	3.30E-07	1.51E-07	2.39E-07	0.00E+00	0.00E+00	6.20E-08	1.24E-08	7.84E-08	1.21E-08	1.85E-08	1.83E-07
4834	478363.1	3861877	2.56E-04	2.76E-04	4.35E-04	8.88E-08	2.68E-07	1.55E-07	1.67E-07	1.52E-07	6.92E-08	1.09E-07	0.00E+00	0.00E+00	2.85E-08	5.68E-09	3.60E-08	5.56E-09	8.42E-09	8.42E-08
4835	478863.1	3861877	4.64E-04	5.01E-04	7.92E-04	1.61E-07	4.85E-07	2.81E-07	3.03E-07	2.75E-07	1.25E-07	1.98E-07	0.00E+00	0.00E+00	5.16E-08	1.03E-08	6.52E-08	1.01E-08	1.53E-08	1.53E-07
4836	479363.1	3861877	4.18E-04	4.50E-04	7.12E-04	1.45E-07	4.37E-07	2.53E-07	2.73E-07	2.47E-07	1.13E-07	1.78E-07	0.00E+00	0.00E+00	4.65E-08	9.25E-09	5.87E-08	9.05E-09	1.38E-08	1.37E-07
4837	479863.1	3861877	9.04E-04	9.75E-04	1.54E-03	3.13E-07	9.45E-07	5.47E-07	5.90E-07	5.35E-07	2.44E-07	3.86E-07	0.00E+00	0.00E+00	1.01E-07	2.00E-08	1.27E-07	1.96E-08	2.99E-08	2.97E-07
4838	480363.1	3861877	1.00E-03	1.08E-03	1.70E-03	3.46E-07	1.05E-06	6.06E-07	6.53E-07	5.92E-07	2.70E-07	4.26E-07	0.00E+00	0.00E+00	1.11E-07	2.22E-08	1.41E-07	2.17E-08	3.30E-08	3.29E-07

4839	480863.1	3861877	1.05E-03	1.13E-03	1.79E-03	3.64E-07	1.10E-06	6.37E-07	6.86E-07	6.22E-07	2.84E-07	4.47E-07	0.00E+00	0.00E+00	1.17E-07	2.33E-08	1.48E-07	2.28E-08	3.46E-08	3.46E-07
4840	481363.1	3861877	1.10E-03	1.19E-03	1.87E-03	3.82E-07	1.15E-06	6.67E-07	7.19E-07	6.52E-07	2.97E-07	4.68E-07	0.00E+00	0.00E+00	1.23E-07	2.44E-08	1.55E-07	2.39E-08	3.62E-08	3.62E-07
4841	481863.1	3861877	1.15E-03	1.24E-03	1.96E-03	4.00E-07	1.21E-06	6.98E-07	7.53E-07	6.82E-07	3.11E-07	4.90E-07	0.00E+00	0.00E+00	1.28E-07	2.56E-08	1.62E-07	2.50E-08	3.79E-08	3.79E-07
4842	482363.1	3861877	1.21E-03	1.30E-03	2.05E-03	4.18E-07	1.26E-06	7.31E-07	7.88E-07	7.14E-07	3.26E-07	5.12E-07	0.00E+00	0.00E+00	1.35E-07	2.68E-08	1.70E-07	2.62E-08	3.97E-08	3.97E-07
4843	482863.1	3861877	1.26E-03	1.36E-03	2.14E-03	4.37E-07	1.32E-06	7.64E-07	8.23E-07	7.46E-07	3.41E-07	5.35E-07	0.00E+00	0.00E+00	1.41E-07	2.79E-08	1.77E-07	2.73E-08	4.14E-08	4.15E-07
4844	483363.1	3861877	1.31E-03	1.41E-03	2.21E-03	4.52E-07	1.36E-06	7.90E-07	8.52E-07	7.72E-07	3.52E-07	5.53E-07	0.00E+00	0.00E+00	1.45E-07	2.89E-08	1.83E-07	2.83E-08	4.28E-08	4.29E-07
4845	483863.1	3861877	1.34E-03	1.44E-03	2.26E-03	4.64E-07	1.40E-06	8.10E-07	8.73E-07	7.92E-07	3.61E-07	5.67E-07	0.00E+00	0.00E+00	1.49E-07	2.96E-08	1.88E-07	2.90E-08	4.39E-08	4.40E-07
4846	484363.1	3861877	1.36E-03	1.47E-03	2.30E-03	4.71E-07	1.42E-06	8.23E-07	8.87E-07	8.04E-07	3.67E-07	5.75E-07	0.00E+00	0.00E+00	1.51E-07	3.01E-08	1.91E-07	2.94E-08	4.45E-08	4.46E-07
4847	484863.1	3861877	1.39E-03	1.49E-03	2.34E-03	4.80E-07	1.45E-06	8.38E-07	9.03E-07	8.19E-07	3.74E-07	5.85E-07	0.00E+00	0.00E+00	1.54E-07	3.07E-08	1.95E-07	3.00E-08	4.53E-08	4.55E-07
4848	485363.1	3861877	1.38E-03	1.49E-03	2.34E-03	4.79E-07	1.45E-06	8.38E-07	9.03E-07	8.18E-07	3.73E-07	5.85E-07	0.00E+00	0.00E+00	1.54E-07	3.06E-08	1.94E-07	3.00E-08	4.53E-08	4.54E-07
4849	485863.1	3861877	1.37E-03	1.47E-03	2.30E-03	4.73E-07	1.43E-06	8.27E-07	8.91E-07	8.07E-07	3.68E-07	5.76E-07	0.00E+00	0.00E+00	1.52E-07	3.02E-08	1.92E-07	2.96E-08	4.46E-08	4.48E-07
4850	486363.1	3861877	1.36E-03	1.46E-03	2.28E-03	4.69E-07	1.42E-06	8.20E-07	8.83E-07	8.01E-07	3.65E-07	5.70E-07	0.00E+00	0.00E+00	1.51E-07	3.00E-08	1.90E-07	2.93E-08	4.42E-08	4.45E-07
4851	486863.1	3861877	1.34E-03	1.44E-03	2.25E-03	4.64E-07	1.40E-06	8.11E-07	8.73E-07	7.92E-07	3.61E-07	5.64E-07	0.00E+00	0.00E+00	1.49E-07	2.96E-08	1.88E-07	2.90E-08	4.37E-08	4.40E-07
4852	487363.1	3861877	1.33E-03	1.43E-03	2.24E-03	4.61E-07	1.39E-06	8.05E-07	8.67E-07	7.86E-07	3.59E-07	5.61E-07	0.00E+00	0.00E+00	1.48E-07	2.94E-08	1.87E-07	2.88E-08	4.34E-08	4.37E-07
4853	487863.1	3861877	1.33E-03	1.43E-03	2.24E-03	4.60E-07	1.39E-06	8.04E-07	8.66E-07	7.85E-07	3.58E-07	5.60E-07	0.00E+00	0.00E+00	1.48E-07	2.94E-08	1.86E-07	2.88E-08	4.34E-08	4.36E-07
4854	488363.1	3861877	1.33E-03	1.43E-03	2.24E-03	4.60E-07	1.39E-06	8.04E-07	8.66E-07	7.85E-07	3.58E-07	5.62E-07	0.00E+00	0.00E+00	1.48E-07	2.94E-08	1.87E-07	2.88E-08	4.35E-08	4.36E-07
4855	488863.1	3861877	1.34E-03	1.45E-03	2.27E-03	4.65E-07	1.40E-06	8.12E-07	8.75E-07	7.94E-07	3.62E-07	5.69E-07	0.00E+00	0.00E+00	1.49E-07	2.97E-08	1.89E-07	2.91E-08	4.40E-08	4.41E-07
4856	489363.1	3861877	1.35E-03	1.46E-03	2.29E-03	4.68E-07	1.41E-06	8.18E-07	8.81E-07	7.99E-07	3.65E-07	5.73E-07	0.00E+00	0.00E+00	1.50E-07	2.99E-08	1.90E-07	2.93E-08	4.44E-08	4.44E-07
4857	489863.1	3861877	1.37E-03	1.48E-03	2.33E-03	4.75E-07	1.43E-06	8.30E-07	8.95E-07	8.12E-07	3.70E-07	5.83E-07	0.00E+00	0.00E+00	1.53E-07	3.04E-08	1.93E-07	2.97E-08	4.52E-08	4.51E-07
4858	490363.1	3861877	1.38E-03	1.49E-03	2.35E-03	4.77E-07	1.44E-06	8.34E-07	9.00E-07	8.15E-07	3.72E-07	5.87E-07	0.00E+00	0.00E+00	1.53E-07	3.05E-08	1.94E-07	2.99E-08	4.54E-08	4.53E-07
4859	490863.1	3861877	1.40E-03	1.51E-03	2.39E-03	4.86E-07	1.47E-06	8.49E-07	9.16E-07	8.30E-07	3.79E-07	5.99E-07	0.00E+00	0.00E+00	1.56E-07	3.11E-08	1.97E-07	3.04E-08	4.64E-08	4.61E-07
4860	491363.1	3861877	1.43E-03	1.54E-03	2.44E-03	4.94E-07	1.49E-06	8.64E-07	9.32E-07	8.45E-07	3.86E-07	6.10E-07	0.00E+00	0.00E+00	1.59E-07	3.16E-08	2.01E-07	3.10E-08	4.73E-08	4.70E-07
4861	491863.1	3861877	1.40E-03	1.51E-03	2.39E-03	4.84E-07	1.46E-06	8.46E-07	9.13E-07	8.28E-07	3.78E-07	5.98E-07	0.00E+00	0.00E+00	1.56E-07	3.10E-08	1.97E-07	3.03E-08	4.63E-08	4.60E-07
4862	492363.1	3861877	1.32E-03	1.43E-03	2.26E-03	4.57E-07	1.38E-06	8.00E-07	8.63E-07	7.82E-07	3.57E-07	5.65E-07	0.00E+00	0.00E+00	1.47E-07	2.93E-08	1.86E-07	2.87E-08	4.38E-08	4.35E-07
4863	492863.1	3861877	1.28E-03	1.38E-03	2.19E-03	4.44E-07	1.34E-06	7.75E-07	8.37E-07	7.59E-07	3.46E-07	5.48E-07	0.00E+00	0.00E+00	1.43E-07	2.84E-08	1.80E-07	2.78E-08	4.25E-08	4.22E-07
4864	493363.1	3861877	1.28E-03	1.38E-03	2.18E-03	4.42E-07	1.33E-06	7.72E-07	8.34E-07	7.56E-07	3.45E-07	5.47E-07	0.00E+00	0.00E+00	1.42E-07	2.83E-08	1.80E-07	2.77E-08	4.23E-08	4.20E-07
4865	493863.1	3861877	1.30E-03	1.40E-03	2.22E-03	4.49E-07	1.36E-06	7.85E-07	8.48E-07	7.68E-07	3.51E-07	5.56E-07	0.00E+00	0.00E+00	1.44E-07	2.88E-08	1.83E-07	2.82E-08	4.31E-08	4.27E-07
4866	494363.1	3861877	1.33E-03	1.44E-03	2.29E-03	4.62E-07	1.39E-06	8.07E-07	8.71E-07	7.90E-07	3.60E-07	5.72E-07	0.00E+00	0.00E+00	1.48E-07	2.96E-08	1.88E-07	2.89E-08	4.43E-08	4.39E-07
4867	494863.1	3861877	1.37E-03	1.48E-03	2.35E-03	4.75E-07	1.43E-06	8.30E-07	8.96E-07	8.12E-07	3.70E-07	5.89E-07	0.00E+00	0.00E+00	1.53E-07	3.04E-08	1.93E-07	2.97E-08	4.56E-08	4.51E-07
4868	495363.1	3861877	1.38E-03	1.49E-03	2.38E-03	4.79E-07	1.45E-06	8.37E-07	9.04E-07	8.20E-07	3.74E-07	5.95E-07	0.00E+00	0.00E+00	1.54E-07	3.07E-08	1.95E-07	3.00E-08	4.61E-08	4.56E-07
4869	495863.1	3861877	1.38E-03	1.49E-03	2.37E-03	4.77E-07	1.44E-06	8.33E-07	9.00E-07	8.16E-07	3.72E-07	5.93E-07	0.00E+00	0.00E+00	1.53E-07	3.05E-08	1.94E-07	2.99E-08	4.59E-08	4.53E-07
4870	496363.1	3861877	1.36E-03	1.47E-03	2.35E-03	4.72E-07	1.42E-06	8.24E-07	8.90E-07	8.07E-07	3.68E-07	5.87E-07	0.00E+00	0.00E+00	1.52E-07	3.02E-08	1.92E-07	2.96E-08	4.55E-08	4.49E-07
4871	496863.1	3861877	1.40E-03	1.52E-03	2.42E-03	4.86E-07	1.47E-06	8.49E-07	9.17E-07	8.31E-07	3.79E-07	6.05E-07	0.00E+00	0.00E+00	1.56E-07	3.11E-08	1.97E-07	3.04E-08	4.69E-08	4.62E-07
4872	497363.1	3861877	1.34E-03	1.44E-03	2.31E-03	4.63E-07	1.40E-06	8.09E-07	8.74E-07	7.93E-07	3.62E-07	5.77E-07	0.00E+00	0.00E+00	1.49E-07	2.97E-08	1.88E-07	2.90E-08	4.47E-08	4.41E-07
4873	497863.1	3861877	1.30E-03	1.40E-03	2.23E-03	4.48E-07	1.35E-06	7.84E-07	8.47E-07	7.67E-07	3.50E-07	5.59E-07	0.00E+00	0.00E+00	1.44E-07	2.87E-08	1.82E-07	2.81E-08	4.33E-08	4.27E-07
4874	498363.1	3861877	1.26E-03	1.37E-03	2.18E-03	4.38E-07	1.32E-06	7.65E-07	8.27E-07	7.49E-07	3.42E-07	5.46E-07	0.00E+00	0.00E+00	1.41E-07	2.81E-08	1.78E-07	2.75E-08	4.23E-08	4.17E-07
4875	471363.1	3862377	4.16E-04	4.49E-04	7.10E-04	1.44E-07	4.35E-07	2.52E-07	2.71E-07	2.46E-07	1.12E-07	1.78E-07	0.00E+00	0.00E+00	4.63E-08	9.22E-09	5.85E-08	9.02E-09	1.38E-08	1.37E-07
4876	471863.1	3862377	4.32E-04	4.66E-04	7.38E-04	1.50E-07	4.52E-07	2.61E-07	2.82E-07	2.56E-07	1.17E-07	1.85E-07	0.00E+00	0.00E+00	4.81E-08	9.57E-09	6.07E-08	9.37E-09	1.43E-08	1.42E-07
4877	472363.1	3862377	4.51E-04	4.86E-04	7.70E-04	1.56E-07	4.71E-07	2.73E-07	2.94E-07	2.67E-07	1.22E-07	1.93E-07	0.00E+00	0.00E+00	5.02E-08	9.99E-09	6.34E-08	9.77E-09	1.49E-08	1.48E-07
4878	472863.1	3862377	4.70E-04	5.07E-04	8.02E-04	1.63E-07	4.91E-07	2.84E-07	3.07E-07	2.78E-07	1.27E-07	2.01E-07	0.00E+00	0.00E+00	5.23E-08	1.04E-08	6.60E-08	1.02E-08	1.55E-08	1.54E-07
4879	473363.1	3862377	4.89E-04	5.28E-04	8.35E-04	1.69E-07	5.11E-07	2.96E-07	3.19E-07	2.89E-07	1.32E-07	2.09E-07	0.00E+00	0.00E+00	5.45E-08	1.08E-08	6.88E-08	1.06E-08	1.62E-08	1.61E-07
4880	473863.1	3862377	5.09E-04	5.49E-04	8.68E-04	1.76E-07	5.32E-07	3.08E-07	3.32E-07	3.01E-07	1.37E-07	2.17E-07	0.00E+00	0.00E+00	5.67E-08	1.13E-08	7.16E-08	1.10E-08	1.68E-08	1.67E-07
4881	474363.1	3862377	5.28E-04	5.70E-04	9.00E-04	1.83E-07	5.52E-07	3.20E-07	3.45E-07	3.12E-07	1.43E-07	2.25E-07	0.00E+00	0.00E+00	5.88E-08	1.17E-08	7.42E-08	1.14E-08	1.74E-08	1.74E-07
4882	474863.1	3862377	5.46E-04	5.89E-04	9.31E-04	1.89E-07	5.71E-07	3.30E-07	3.56E-07	3.23E-07	1.47E-07	2.33E-07	0.00E+00	0.00E+00	6.08E-08	1.21E-08	7.68E-08	1.18E-08	1.80E-08	1.80E-07
4883	475363.1	3862377	5.71E-04	6.16E-04	9.74E-04	1.98E-07	5.97E-07	3.46E-07	3.73E-07	3.38E-07	1.54E-07	2.44E-07	0.00E+00	0.00E+00	6.36E-08	1.27E-08	8.03E-08	1.24E-08	1.89E-08	1.88E-07
4884	475863.1	3862377	5.97E-04	6.44E-04	1.02E-03	2.07E-07	6.24E-07	3.62E-07	3.90E-07	3.54E-07	1.61E-07	2.55E-07	0.00E+00	0.00E+00	6.65E-08	1.32E-08	8.40E-08	1.30E-08	1.97E-08	1.96E-07
4885	476363.1	3862377	6.23E-04	6.72E-04	1.06E-03	2.16E-07	6.51E-07	3.77E-07	4.07E-07	3.69E-07	1.68E-07	2.66E-07	0.00E+00	0.00E+00	6.94E-08	1.38E-08	8.76E-08	1.35E-08	2.06E-08	2.05E-07
4886	476863.1	3862377	6.48E-04	6.99E-04	1.11E-03	2.24E-07	6.78E-07	3.92E-07	4.23E-07	3.84E-07	1.75E-07	2.77E-07	0.00E+00	0.00E+00	7.22E-08	1.44E-08	9.12E-08	1.41E-08	2.14E-08	2.13E-07
4887	477363.1	3862377	6.65E-04	7.17E-04	1.13E-03	2.30E-07	6.95E-07	4.02E-07	4.34E-07	3.93E-07	1.80E-07	2.84E-07	0.00E+00	0.00E+00	7.40E-08	1.47E-08	9.35E-08	1.44E-08	2.20E-08	2.19E-07
4888	477863.1	3862377	5.96E-04	6.43E-04	1.02E-03	2.06E-07	6.23E-07	3.60E-07	3.89E-07	3.53E-07	1.61E-07	2.55E-07	0.00E+00	0.00E+00	6.63E-08	1.32E-08	8.38E-08	1.29E-08	1.97E-08	1.96E-07
4889	478363.1	3862377	4.83E-04	5.21E-04	8.25E-04	1.67E-07	5.04E-07	2.92E-07	3.15E-07	2.86E-07	1.30E-07	2.06E-07	0.00E+00	0.00E+00	5.37E-08	1.07E-08	6.79E-08	1.05E-08	1.60E-08	1.59E-07
4890	478863.1	3862377	5.19E-04	5.60E-04	8.87E-04	1.80E-07	5.42E-07	3.14E-07	3.39E-07	3.07E-07	1.40E-07	2.22E-07	0.00E+00	0.00E+00	5.77E-08	1.15E-08	7.29E-08	1.12E-08	1.72E-08	1.71E-07
4891	479363.1	3862377	6.28E-04	6.78E-04	1.08E-03	2.18E-07	6.57E-07	3.80E-07	4.10E-07	3.72E-07	1.70E-07	2.69E-07	0.00E+00	0.00E+00	7.00E-08	1.39E-08	8.84E-08	1.36E-08	2.08E-08	2.07E-07
4892	479863.1	3862377	8.40E-04	9.06E-04	1.43E-03	2.91E-07	8.78E-07	5.08E-07	5.48E-07	4.97E-07	2.27E-07	3.58E-07	0.00E+00	0.00E+00	9.35E-08	1.86E-08	1.18E-07	1.82E-08	2.77E-08	2.76E-07
4893	480363.1	3862377	9.05E-04	9.75E-04	1.54E-03	3.13E-07	9.46E-07	5.47E-07	5.90E-07	5.35E-07	2.44E-07	3.84E-07	0.00E+00	0.00E+00	1.01E-07	2.00E-08	1.27E-07	1.96E-08	2.98E-08	2.97E-07
4894	480863.1	3862377	9.46E-04	1.02E-03	1.60E-03	3.27E-07	9.89E-07	5.72E-07	6.17E-07	5.59E-07	2.55E-07	4.01E-07	0.00E+00	0.00E+00	1.05E-07	2.09E-08	1.33E-07	2.05E-08	3.11E-08	3.11E-07
4895	481363.1	3862377	9.89E-04	1.07E-03	1.68E-03	3.42E-07	1.03E-06	5.99E-07	6.45E-07	5.85E-07	2.67E-07	4.19E-07	0.00E+00	0.00E+00	1.10E-07	2.19E-08	1.39E-07	2.14E-08	3.25E-08	3.25E-07

4896	481863.1	3862377	1.03E-03	1.11E-03	1.75E-03	3.58E-07	1.08E-06	6.25E-07	6.74E-07	6.11E-07	2.79E-07	4.38E-07	0.00E+00	0.00E+00	1.15E-07	2.29E-08	1.45E-07	2.24E-08	3.39E-08	3.39E-07
4897	482363.1	3862377	1.08E-03	1.16E-03	1.82E-03	3.73E-07	1.13E-06	6.52E-07	7.03E-07	6.37E-07	2.91E-07	4.57E-07	0.00E+00	0.00E+00	1.20E-07	2.39E-08	1.51E-07	2.33E-08	3.54E-08	3.54E-07
4898	482863.1	3862377	1.12E-03	1.21E-03	1.89E-03	3.87E-07	1.17E-06	6.77E-07	7.29E-07	6.61E-07	3.02E-07	4.74E-07	0.00E+00	0.00E+00	1.25E-07	2.48E-08	1.57E-07	2.42E-08	3.67E-08	3.67E-07
4899	483363.1	3862377	1.15E-03	1.24E-03	1.95E-03	3.99E-07	1.20E-06	6.97E-07	7.51E-07	6.81E-07	3.11E-07	4.87E-07	0.00E+00	0.00E+00	1.28E-07	2.55E-08	1.62E-07	2.49E-08	3.77E-08	3.78E-07
4900	483863.1	3862377	1.17E-03	1.26E-03	1.97E-03	4.04E-07	1.22E-06	7.06E-07	7.61E-07	6.90E-07	3.15E-07	4.93E-07	0.00E+00	0.00E+00	1.30E-07	2.58E-08	1.64E-07	2.53E-08	3.82E-08	3.83E-07
4901	484363.1	3862377	1.19E-03	1.28E-03	2.00E-03	4.11E-07	1.24E-06	7.18E-07	7.74E-07	7.01E-07	3.20E-07	5.01E-07	0.00E+00	0.00E+00	1.32E-07	2.63E-08	1.67E-07	2.57E-08	3.88E-08	3.90E-07
4902	484863.1	3862377	1.18E-03	1.28E-03	2.00E-03	4.10E-07	1.24E-06	7.17E-07	7.72E-07	7.00E-07	3.19E-07	5.00E-07	0.00E+00	0.00E+00	1.32E-07	2.62E-08	1.66E-07	2.56E-08	3.87E-08	3.89E-07
4903	485363.1	3862377	1.18E-03	1.27E-03	1.99E-03	4.08E-07	1.23E-06	7.14E-07	7.69E-07	6.97E-07	3.18E-07	4.97E-07	0.00E+00	0.00E+00	1.31E-07	2.61E-08	1.66E-07	2.55E-08	3.85E-08	3.87E-07
4904	485863.1	3862377	1.18E-03	1.27E-03	1.98E-03	4.07E-07	1.23E-06	7.12E-07	7.67E-07	6.95E-07	3.17E-07	4.96E-07	0.00E+00	0.00E+00	1.31E-07	2.60E-08	1.65E-07	2.55E-08	3.84E-08	3.86E-07
4905	486363.1	3862377	1.16E-03	1.25E-03	1.95E-03	4.01E-07	1.21E-06	7.01E-07	7.55E-07	6.85E-07	3.12E-07	4.88E-07	0.00E+00	0.00E+00	1.29E-07	2.56E-08	1.63E-07	2.51E-08	3.78E-08	3.80E-07
4906	486863.1	3862377	1.15E-03	1.23E-03	1.92E-03	3.96E-07	1.20E-06	6.93E-07	7.46E-07	6.76E-07	3.09E-07	4.82E-07	0.00E+00	0.00E+00	1.27E-07	2.53E-08	1.61E-07	2.48E-08	3.73E-08	3.76E-07
4907	487363.1	3862377	1.13E-03	1.22E-03	1.90E-03	3.92E-07	1.18E-06	6.86E-07	7.38E-07	6.69E-07	3.05E-07	4.77E-07	0.00E+00	0.00E+00	1.26E-07	2.51E-08	1.59E-07	2.45E-08	3.69E-08	3.72E-07
4908	487863.1	3862377	1.13E-03	1.22E-03	1.91E-03	3.92E-07	1.18E-06	6.86E-07	7.39E-07	6.70E-07	3.06E-07	4.78E-07	0.00E+00	0.00E+00	1.26E-07	2.51E-08	1.59E-07	2.45E-08	3.70E-08	3.72E-07
4909	488363.1	3862377	1.14E-03	1.22E-03	1.92E-03	3.93E-07	1.19E-06	6.87E-07	7.40E-07	6.71E-07	3.06E-07	4.80E-07	0.00E+00	0.00E+00	1.26E-07	2.51E-08	1.59E-07	2.46E-08	3.71E-08	3.73E-07
4910	488863.1	3862377	1.15E-03	1.23E-03	1.94E-03	3.96E-07	1.20E-06	6.93E-07	7.47E-07	6.77E-07	3.09E-07	4.85E-07	0.00E+00	0.00E+00	1.27E-07	2.54E-08	1.61E-07	2.48E-08	3.76E-08	3.76E-07
4911	489363.1	3862377	1.16E-03	1.25E-03	1.96E-03	4.00E-07	1.21E-06	6.99E-07	7.54E-07	6.83E-07	3.12E-07	4.90E-07	0.00E+00	0.00E+00	1.29E-07	2.56E-08	1.62E-07	2.50E-08	3.79E-08	3.79E-07
4912	489863.1	3862377	1.17E-03	1.26E-03	1.99E-03	4.05E-07	1.22E-06	7.08E-07	7.64E-07	6.92E-07	3.16E-07	4.97E-07	0.00E+00	0.00E+00	1.30E-07	2.59E-08	1.64E-07	2.54E-08	3.85E-08	3.85E-07
4913	490363.1	3862377	1.18E-03	1.28E-03	2.01E-03	4.10E-07	1.24E-06	7.17E-07	7.73E-07	7.00E-07	3.20E-07	5.04E-07	0.00E+00	0.00E+00	1.32E-07	2.62E-08	1.66E-07	2.57E-08	3.90E-08	3.89E-07
4914	490863.1	3862377	1.19E-03	1.28E-03	2.03E-03	4.12E-07	1.25E-06	7.21E-07	7.77E-07	7.05E-07	3.22E-07	5.07E-07	0.00E+00	0.00E+00	1.33E-07	2.64E-08	1.67E-07	2.58E-08	3.93E-08	3.92E-07
4915	491363.1	3862377	1.21E-03	1.31E-03	2.06E-03	4.19E-07	1.27E-06	7.32E-07	7.90E-07	7.16E-07	3.27E-07	5.17E-07	0.00E+00	0.00E+00	1.35E-07	2.68E-08	1.70E-07	2.62E-08	4.00E-08	3.98E-07
4916	491863.1	3862377	1.22E-03	1.32E-03	2.09E-03	4.23E-07	1.28E-06	7.40E-07	7.98E-07	7.24E-07	3.30E-07	5.23E-07	0.00E+00	0.00E+00	1.36E-07	2.71E-08	1.72E-07	2.65E-08	4.05E-08	4.02E-07
4917	492363.1	3862377	1.20E-03	1.30E-03	2.06E-03	4.16E-07	1.26E-06	7.27E-07	7.85E-07	7.12E-07	3.25E-07	5.15E-07	0.00E+00	0.00E+00	1.34E-07	2.66E-08	1.69E-07	2.61E-08	3.98E-08	3.95E-07
4918	492863.1	3862377	1.15E-03	1.24E-03	1.96E-03	3.97E-07	1.20E-06	6.94E-07	7.49E-07	6.79E-07	3.10E-07	4.91E-07	0.00E+00	0.00E+00	1.28E-07	2.54E-08	1.61E-07	2.49E-08	3.80E-08	3.77E-07
4919	493363.1	3862377	1.11E-03	1.19E-03	1.89E-03	3.83E-07	1.16E-06	6.69E-07	7.22E-07	6.55E-07	2.99E-07	4.73E-07	0.00E+00	0.00E+00	1.23E-07	2.45E-08	1.56E-07	2.40E-08	3.67E-08	3.64E-07
4920	493863.1	3862377	1.09E-03	1.18E-03	1.87E-03	3.78E-07	1.14E-06	6.60E-07	7.12E-07	6.46E-07	2.95E-07	4.67E-07	0.00E+00	0.00E+00	1.21E-07	2.42E-08	1.53E-07	2.37E-08	3.62E-08	3.59E-07
4921	494363.1	3862377	1.09E-03	1.18E-03	1.88E-03	3.79E-07	1.14E-06	6.62E-07	7.15E-07	6.48E-07	2.96E-07	4.69E-07	0.00E+00	0.00E+00	1.22E-07	2.43E-08	1.54E-07	2.37E-08	3.64E-08	3.60E-07
4922	494863.1	3862377	1.12E-03	1.21E-03	1.92E-03	3.87E-07	1.17E-06	6.77E-07	7.31E-07	6.63E-07	3.02E-07	4.80E-07	0.00E+00	0.00E+00	1.25E-07	2.48E-08	1.57E-07	2.43E-08	3.72E-08	3.68E-07
4923	495363.1	3862377	1.14E-03	1.23E-03	1.96E-03	3.96E-07	1.19E-06	6.91E-07	7.46E-07	6.77E-07	3.09E-07	4.91E-07	0.00E+00	0.00E+00	1.27E-07	2.53E-08	1.61E-07	2.48E-08	3.80E-08	3.76E-07
4924	495863.1	3862377	1.16E-03	1.26E-03	2.00E-03	4.03E-07	1.22E-06	7.05E-07	7.61E-07	6.90E-07	3.15E-07	5.01E-07	0.00E+00	0.00E+00	1.30E-07	2.58E-08	1.64E-07	2.53E-08	3.88E-08	3.83E-07
4925	496363.1	3862377	1.17E-03	1.27E-03	2.02E-03	4.05E-07	1.22E-06	7.09E-07	7.65E-07	6.94E-07	3.17E-07	5.05E-07	0.00E+00	0.00E+00	1.30E-07	2.60E-08	1.65E-07	2.54E-08	3.91E-08	3.86E-07
4926	496863.1	3862377	1.18E-03	1.27E-03	2.03E-03	4.08E-07	1.23E-06	7.13E-07	7.70E-07	6.98E-07	3.18E-07	5.08E-07	0.00E+00	0.00E+00	1.31E-07	2.61E-08	1.66E-07	2.56E-08	3.93E-08	3.88E-07
4927	497363.1	3862377	1.16E-03	1.25E-03	1.99E-03	4.00E-07	1.21E-06	6.99E-07	7.55E-07	6.84E-07	3.12E-07	4.98E-07	0.00E+00	0.00E+00	1.29E-07	2.56E-08	1.63E-07	2.51E-08	3.86E-08	3.80E-07
4928	497863.1	3862377	1.13E-03	1.22E-03	1.95E-03	3.92E-07	1.18E-06	6.85E-07	7.40E-07	6.71E-07	3.06E-07	4.89E-07	0.00E+00	0.00E+00	1.26E-07	2.51E-08	1.59E-07	2.46E-08	3.78E-08	3.73E-07
4929	498363.1	3862377	1.10E-03	1.19E-03	1.90E-03	3.82E-07	1.15E-06	6.68E-07	7.21E-07	6.54E-07	2.98E-07	4.76E-07	0.00E+00	0.00E+00	1.23E-07	2.45E-08	1.55E-07	2.40E-08	3.69E-08	3.64E-07
4930	471363.1	3862877	4.03E-04	4.35E-04	6.89E-04	1.40E-07	4.22E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.72E-07	0.00E+00	0.00E+00	4.49E-08	8.94E-09	5.67E-08	8.75E-09	1.34E-08	1.33E-07
4931	471863.1	3862877	4.19E-04	4.52E-04	7.15E-04	1.45E-07	4.38E-07	2.53E-07	2.73E-07	2.48E-07	1.13E-07	1.79E-07	0.00E+00	0.00E+00	4.66E-08	9.28E-09	5.89E-08	9.08E-09	1.39E-08	1.38E-07
4932	472363.1	3862877	4.35E-04	4.69E-04	7.41E-04	1.50E-07	4.54E-07	2.63E-07	2.84E-07	2.57E-07	1.17E-07	1.86E-07	0.00E+00	0.00E+00	4.84E-08	9.63E-09	6.11E-08	9.42E-09	1.44E-08	1.43E-07
4933	472863.1	3862877	4.51E-04	4.86E-04	7.69E-04	1.56E-07	4.71E-07	2.73E-07	2.94E-07	2.67E-07	1.22E-07	1.92E-07	0.00E+00	0.00E+00	5.02E-08	9.98E-09	6.34E-08	9.77E-09	1.49E-08	1.48E-07
4934	473363.1	3862877	4.69E-04	5.05E-04	7.99E-04	1.62E-07	4.90E-07	2.83E-07	3.06E-07	2.77E-07	1.26E-07	2.00E-07	0.00E+00	0.00E+00	5.22E-08	1.04E-08	6.59E-08	1.02E-08	1.55E-08	1.54E-07
4935	473863.1	3862877	4.85E-04	5.23E-04	8.27E-04	1.68E-07	5.07E-07	2.93E-07	3.17E-07	2.87E-07	1.31E-07	2.07E-07	0.00E+00	0.00E+00	5.40E-08	1.07E-08	6.82E-08	1.05E-08	1.60E-08	1.59E-07
4936	474363.1	3862877	5.00E-04	5.40E-04	8.53E-04	1.73E-07	5.23E-07	3.03E-07	3.27E-07	2.96E-07	1.35E-07	2.13E-07	0.00E+00	0.00E+00	5.57E-08	1.11E-08	7.04E-08	1.08E-08	1.65E-08	1.65E-07
4937	474863.1	3862877	5.18E-04	5.59E-04	8.83E-04	1.79E-07	5.42E-07	3.13E-07	3.38E-07	3.07E-07	1.40E-07	2.21E-07	0.00E+00	0.00E+00	5.77E-08	1.15E-08	7.28E-08	1.12E-08	1.71E-08	1.70E-07
4938	475363.1	3862877	5.41E-04	5.84E-04	9.22E-04	1.87E-07	5.66E-07	3.27E-07	3.53E-07	3.20E-07	1.46E-07	2.31E-07	0.00E+00	0.00E+00	6.02E-08	1.20E-08	7.61E-08	1.17E-08	1.79E-08	1.78E-07
4939	475863.1	3862877	5.63E-04	6.08E-04	9.60E-04	1.95E-07	5.89E-07	3.41E-07	3.68E-07	3.33E-07	1.52E-07	2.40E-07	0.00E+00	0.00E+00	6.27E-08	1.25E-08	7.92E-08	1.22E-08	1.86E-08	1.85E-07
4940	476363.1	3862877	5.86E-04	6.33E-04	9.99E-04	2.03E-07	6.13E-07	3.55E-07	3.83E-07	3.47E-07	1.58E-07	2.50E-07	0.00E+00	0.00E+00	6.53E-08	1.30E-08	8.24E-08	1.27E-08	1.94E-08	1.93E-07
4941	476863.1	3862877	6.07E-04	6.55E-04	1.03E-03	2.10E-07	6.35E-07	3.67E-07	3.96E-07	3.59E-07	1.64E-07	2.59E-07	0.00E+00	0.00E+00	6.76E-08	1.34E-08	8.53E-08	1.32E-08	2.00E-08	2.00E-07
4942	477363.1	3862877	6.29E-04	6.78E-04	1.07E-03	2.18E-07	6.57E-07	3.80E-07	4.10E-07	3.72E-07	1.70E-07	2.68E-07	0.00E+00	0.00E+00	7.00E-08	1.39E-08	8.83E-08	1.36E-08	2.07E-08	2.07E-07
4943	477863.1	3862877	6.27E-04	6.76E-04	1.07E-03	2.17E-07	6.55E-07	3.79E-07	4.09E-07	3.71E-07	1.69E-07	2.68E-07	0.00E+00	0.00E+00	6.98E-08	1.39E-08	8.81E-08	1.36E-08	2.07E-08	2.06E-07
4944	478363.1	3862877	5.53E-04	5.97E-04	9.46E-04	1.91E-07	5.78E-07	3.35E-07	3.61E-07	3.27E-07	1.49E-07	2.37E-07	0.00E+00	0.00E+00	6.15E-08	1.23E-08	7.78E-08	1.20E-08	1.83E-08	1.82E-07
4945	478863.1	3862877	5.83E-04	6.29E-04	9.97E-04	2.02E-07	6.09E-07	3.53E-07	3.81E-07	3.45E-07	1.57E-07	2.49E-07	0.00E+00	0.00E+00	6.49E-08	1.29E-08	8.20E-08	1.26E-08	1.93E-08	1.92E-07
4946	479363.1	3862877	6.25E-04	6.75E-04	1.07E-03	2.16E-07	6.54E-07	3.78E-07	4.08E-07	3.70E-07	1.69E-07	2.67E-07	0.00E+00	0.00E+00	6.96E-08	1.39E-08	8.79E-08	1.36E-08	2.07E-08	2.06E-07
4947	479863.1	3862877	7.88E-04	8.50E-04	1.34E-03	2.73E-07	8.24E-07	4.77E-07	5.14E-07	4.66E-07	2.13E-07	3.35E-07	0.00E+00	0.00E+00	8.77E-08	1.75E-08	1.11E-07	1.71E-08	2.59E-08	2.59E-07
4948	480363.1	3862877	8.22E-04	8.86E-04	1.39E-03	2.85E-07	8.60E-07	4.98E-07	5.36E-07	4.86E-07	2.22E-07	3.49E-07	0.00E+00	0.00E+00	9.16E-08	1.82E-08	1.16E-07	1.78E-08	2.70E-08	2.70E-07
4949	480863.1	3862877	8.60E-04	9.27E-04	1.46E-03	2.98E-07	8.98E-07	5.20E-07	5.61E-07	5.08E-07	2.32E-07	3.64E-07	0.00E+00	0.00E+00	9.57E-08	1.90E-08	1.21E-07	1.86E-08	2.82E-08	2.82E-07
4950	481363.1	3862877	8.95E-04	9.64E-04	1.51E-03	3.10E-07	9.35E-07	5.41E-07	5.83E-07	5.29E-07	2.41E-07	3.79E-07	0.00E+00	0.00E+00	9.96E-08	1.98E-08	1.26E-07	1.94E-08	2.94E-08	2.94E-07
4951	481863.1	3862877	9.36E-04	1.01E-03	1.59E-03	3.24E-07	9.78E-07	5.66E-07	6.10E-07	5.53E-07	2.52E-07	3.97E-07	0.00E+00	0.00E+00	1.04E-07	2.07E-08	1.31E-07	2.03E-08	3.07E-08	3.07E-07
4952	482363.1	3862877	9.65E-04	1.04E-03	1.63E-03	3.34E-07	1.01E-06	5.84E-07	6.29E-07	5.70E-07	2.60E-07	4.09E-07	0.00E+00	0.00E+00	1.07E-07	2.14E-08	1.36E-07	2.09E-08	3.16E-08	3.17E-07

4953	482863.1	3862877	9.97E-04	1.07E-03	1.69E-03	3.45E-07	1.04E-06	6.03E-07	6.50E-07	5.89E-07	2.69E-07	4.22E-07	0.00E+00	0.00E+00	1.11E-07	2.21E-08	1.40E-07	2.16E-08	3.27E-08	3.27E-07
4954	483363.1	3862877	1.02E-03	1.10E-03	1.72E-03	3.53E-07	1.07E-06	6.17E-07	6.65E-07	6.03E-07	2.75E-07	4.32E-07	0.00E+00	0.00E+00	1.14E-07	2.26E-08	1.43E-07	2.21E-08	3.34E-08	3.35E-07
4955	483863.1	3862877	1.03E-03	1.11E-03	1.74E-03	3.57E-07	1.08E-06	6.24E-07	6.72E-07	6.09E-07	2.78E-07	4.36E-07	0.00E+00	0.00E+00	1.15E-07	2.28E-08	1.45E-07	2.23E-08	3.37E-08	3.38E-07
4956	484363.1	3862877	1.04E-03	1.12E-03	1.75E-03	3.59E-07	1.08E-06	6.27E-07	6.76E-07	6.12E-07	2.79E-07	4.38E-07	0.00E+00	0.00E+00	1.15E-07	2.29E-08	1.46E-07	2.24E-08	3.39E-08	3.40E-07
4957	484863.1	3862877	1.03E-03	1.11E-03	1.73E-03	3.56E-07	1.07E-06	6.22E-07	6.69E-07	6.07E-07	2.77E-07	4.33E-07	0.00E+00	0.00E+00	1.14E-07	2.27E-08	1.44E-07	2.22E-08	3.35E-08	3.37E-07
4958	485363.1	3862877	1.03E-03	1.10E-03	1.73E-03	3.55E-07	1.07E-06	6.20E-07	6.68E-07	6.06E-07	2.76E-07	4.32E-07	0.00E+00	0.00E+00	1.14E-07	2.27E-08	1.44E-07	2.22E-08	3.35E-08	3.36E-07
4959	485863.1	3862877	1.02E-03	1.09E-03	1.71E-03	3.52E-07	1.06E-06	6.15E-07	6.62E-07	6.01E-07	2.74E-07	4.28E-07	0.00E+00	0.00E+00	1.13E-07	2.25E-08	1.43E-07	2.20E-08	3.31E-08	3.33E-07
4960	486363.1	3862877	1.01E-03	1.09E-03	1.70E-03	3.50E-07	1.06E-06	6.13E-07	6.60E-07	5.98E-07	2.73E-07	4.26E-07	0.00E+00	0.00E+00	1.13E-07	2.24E-08	1.42E-07	2.19E-08	3.30E-08	3.32E-07
4961	486863.1	3862877	9.94E-04	1.07E-03	1.67E-03	3.44E-07	1.04E-06	6.01E-07	6.47E-07	5.87E-07	2.68E-07	4.18E-07	0.00E+00	0.00E+00	1.11E-07	2.20E-08	1.39E-07	2.15E-08	3.24E-08	3.26E-07
4962	487363.1	3862877	9.83E-04	1.06E-03	1.65E-03	3.40E-07	1.03E-06	5.95E-07	6.40E-07	5.80E-07	2.65E-07	4.13E-07	0.00E+00	0.00E+00	1.09E-07	2.17E-08	1.38E-07	2.13E-08	3.20E-08	3.22E-07
4963	487863.1	3862877	9.81E-04	1.06E-03	1.65E-03	3.40E-07	1.03E-06	5.94E-07	6.39E-07	5.79E-07	2.64E-07	4.13E-07	0.00E+00	0.00E+00	1.09E-07	2.17E-08	1.38E-07	2.12E-08	3.20E-08	3.22E-07
4964	488363.1	3862877	9.86E-04	1.06E-03	1.66E-03	3.41E-07	1.03E-06	5.96E-07	6.43E-07	5.82E-07	2.66E-07	4.16E-07	0.00E+00	0.00E+00	1.10E-07	2.18E-08	1.38E-07	2.13E-08	3.22E-08	3.23E-07
4965	488863.1	3862877	9.92E-04	1.07E-03	1.68E-03	3.43E-07	1.04E-06	6.00E-07	6.47E-07	5.87E-07	2.68E-07	4.20E-07	0.00E+00	0.00E+00	1.10E-07	2.20E-08	1.39E-07	2.15E-08	3.25E-08	3.26E-07
4966	489363.1	3862877	9.97E-04	1.07E-03	1.69E-03	3.45E-07	1.04E-06	6.03E-07	6.50E-07	5.89E-07	2.69E-07	4.23E-07	0.00E+00	0.00E+00	1.11E-07	2.21E-08	1.40E-07	2.16E-08	3.27E-08	3.27E-07
4967	489863.1	3862877	1.01E-03	1.09E-03	1.71E-03	3.49E-07	1.05E-06	6.10E-07	6.57E-07	5.96E-07	2.72E-07	4.28E-07	0.00E+00	0.00E+00	1.12E-07	2.23E-08	1.42E-07	2.18E-08	3.31E-08	3.31E-07
4968	490363.1	3862877	1.02E-03	1.10E-03	1.73E-03	3.53E-07	1.07E-06	6.18E-07	6.66E-07	6.04E-07	2.75E-07	4.34E-07	0.00E+00	0.00E+00	1.14E-07	2.26E-08	1.43E-07	2.21E-08	3.36E-08	3.35E-07
4969	490863.1	3862877	1.03E-03	1.11E-03	1.75E-03	3.56E-07	1.07E-06	6.22E-07	6.71E-07	6.08E-07	2.77E-07	4.37E-07	0.00E+00	0.00E+00	1.14E-07	2.28E-08	1.44E-07	2.23E-08	3.39E-08	3.38E-07
4970	491363.1	3862877	1.04E-03	1.12E-03	1.78E-03	3.61E-07	1.09E-06	6.31E-07	6.80E-07	6.17E-07	2.81E-07	4.44E-07	0.00E+00	0.00E+00	1.16E-07	2.31E-08	1.47E-07	2.26E-08	3.44E-08	3.43E-07
4971	491863.1	3862877	1.05E-03	1.13E-03	1.79E-03	3.63E-07	1.10E-06	6.35E-07	6.85E-07	6.21E-07	2.83E-07	4.48E-07	0.00E+00	0.00E+00	1.17E-07	2.32E-08	1.47E-07	2.27E-08	3.47E-08	3.45E-07
4972	492363.1	3862877	1.07E-03	1.15E-03	1.82E-03	3.69E-07	1.12E-06	6.46E-07	6.97E-07	6.32E-07	2.88E-07	4.57E-07	0.00E+00	0.00E+00	1.19E-07	2.36E-08	1.50E-07	2.31E-08	3.54E-08	3.51E-07
4973	492863.1	3862877	1.05E-03	1.13E-03	1.80E-03	3.64E-07	1.10E-06	6.36E-07	6.87E-07	6.23E-07	2.84E-07	4.50E-07	0.00E+00	0.00E+00	1.17E-07	2.33E-08	1.48E-07	2.28E-08	3.49E-08	3.46E-07
4974	493363.1	3862877	1.01E-03	1.09E-03	1.73E-03	3.49E-07	1.05E-06	6.11E-07	6.59E-07	5.97E-07	2.73E-07	4.32E-07	0.00E+00	0.00E+00	1.12E-07	2.24E-08	1.42E-07	2.19E-08	3.35E-08	3.32E-07
4975	493863.1	3862877	9.73E-04	1.05E-03	1.67E-03	3.37E-07	1.02E-06	5.89E-07	6.36E-07	5.76E-07	2.63E-07	4.17E-07	0.00E+00	0.00E+00	1.08E-07	2.16E-08	1.37E-07	2.11E-08	3.23E-08	3.20E-07
4976	494363.1	3862877	9.54E-04	1.03E-03	1.63E-03	3.30E-07	9.97E-07	5.77E-07	6.23E-07	5.65E-07	2.58E-07	4.09E-07	0.00E+00	0.00E+00	1.06E-07	2.11E-08	1.34E-07	2.07E-08	3.17E-08	3.14E-07
4977	494863.1	3862877	9.44E-04	1.02E-03	1.62E-03	3.27E-07	9.86E-07	5.71E-07	6.16E-07	5.59E-07	2.55E-07	4.05E-07	0.00E+00	0.00E+00	1.05E-07	2.09E-08	1.33E-07	2.05E-08	3.13E-08	3.11E-07
4978	495363.1	3862877	9.52E-04	1.03E-03	1.63E-03	3.29E-07	9.95E-07	5.76E-07	6.22E-07	5.64E-07	2.57E-07	4.08E-07	0.00E+00	0.00E+00	1.06E-07	2.11E-08	1.34E-07	2.06E-08	3.16E-08	3.13E-07
4979	495863.1	3862877	9.73E-04	1.05E-03	1.67E-03	3.37E-07	1.02E-06	5.89E-07	6.36E-07	5.76E-07	2.63E-07	4.18E-07	0.00E+00	0.00E+00	1.08E-07	2.16E-08	1.37E-07	2.11E-08	3.24E-08	3.20E-07
4980	496363.1	3862877	9.98E-04	1.08E-03	1.72E-03	3.46E-07	1.04E-06	6.04E-07	6.52E-07	5.91E-07	2.70E-07	4.29E-07	0.00E+00	0.00E+00	1.11E-07	2.21E-08	1.40E-07	2.17E-08	3.32E-08	3.29E-07
4981	496863.1	3862877	1.02E-03	1.10E-03	1.75E-03	3.51E-07	1.06E-06	6.14E-07	6.63E-07	6.01E-07	2.74E-07	4.37E-07	0.00E+00	0.00E+00	1.13E-07	2.25E-08	1.43E-07	2.20E-08	3.39E-08	3.34E-07
4982	497363.1	3862877	1.02E-03	1.10E-03	1.75E-03	3.52E-07	1.06E-06	6.15E-07	6.64E-07	6.02E-07	2.75E-07	4.38E-07	0.00E+00	0.00E+00	1.13E-07	2.25E-08	1.43E-07	2.21E-08	3.39E-08	3.35E-07
4983	497863.1	3862877	1.01E-03	1.09E-03	1.74E-03	3.49E-07	1.05E-06	6.11E-07	6.60E-07	5.98E-07	2.73E-07	4.36E-07	0.00E+00	0.00E+00	1.12E-07	2.24E-08	1.42E-07	2.19E-08	3.37E-08	3.32E-07
4984	498363.1	3862877	9.99E-04	1.08E-03	1.72E-03	3.46E-07	1.04E-06	6.04E-07	6.53E-07	5.92E-07	2.70E-07	4.31E-07	0.00E+00	0.00E+00	1.11E-07	2.22E-08	1.41E-07	2.17E-08	3.34E-08	3.29E-07
4985	471363.1	3863377	3.89E-04	4.20E-04	6.65E-04	1.35E-07	4.07E-07	2.36E-07	2.54E-07	2.30E-07	1.05E-07	1.66E-07	0.00E+00	0.00E+00	4.33E-08	8.63E-09	5.48E-08	8.44E-09	1.29E-08	1.28E-07
4986	471863.1	3863377	4.03E-04	4.34E-04	6.87E-04	1.39E-07	4.21E-07	2.44E-07	2.63E-07	2.38E-07	1.09E-07	1.72E-07	0.00E+00	0.00E+00	4.48E-08	8.92E-09	5.66E-08	8.73E-09	1.33E-08	1.32E-07
4987	472363.1	3863377	4.16E-04	4.49E-04	7.10E-04	1.44E-07	4.35E-07	2.52E-07	2.72E-07	2.46E-07	1.12E-07	1.78E-07	0.00E+00	0.00E+00	4.63E-08	9.23E-09	5.85E-08	9.03E-09	1.38E-08	1.37E-07
4988	472863.1	3863377	4.30E-04	4.64E-04	7.33E-04	1.49E-07	4.50E-07	2.60E-07	2.81E-07	2.54E-07	1.16E-07	1.84E-07	0.00E+00	0.00E+00	4.79E-08	9.53E-09	6.05E-08	9.32E-09	1.42E-08	1.41E-07
4989	473363.1	3863377	4.44E-04	4.79E-04	7.57E-04	1.54E-07	4.64E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.89E-07	0.00E+00	0.00E+00	4.95E-08	9.84E-09	6.24E-08	9.63E-09	1.47E-08	1.46E-07
4990	473863.1	3863377	4.59E-04	4.95E-04	7.81E-04	1.59E-07	4.79E-07	2.78E-07	2.99E-07	2.71E-07	1.24E-07	1.96E-07	0.00E+00	0.00E+00	5.11E-08	1.02E-08	6.45E-08	9.94E-09	1.51E-08	1.51E-07
4991	474363.1	3863377	4.74E-04	5.11E-04	8.07E-04	1.64E-07	4.95E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	2.02E-07	0.00E+00	0.00E+00	5.27E-08	1.05E-08	6.66E-08	1.03E-08	1.56E-08	1.56E-07
4992	474863.1	3863377	4.91E-04	5.29E-04	8.35E-04	1.70E-07	5.13E-07	2.97E-07	3.20E-07	2.90E-07	1.32E-07	2.09E-07	0.00E+00	0.00E+00	5.46E-08	1.09E-08	6.90E-08	1.06E-08	1.62E-08	1.61E-07
4993	475363.1	3863377	5.09E-04	5.49E-04	8.66E-04	1.76E-07	5.32E-07	3.08E-07	3.32E-07	3.01E-07	1.37E-07	2.17E-07	0.00E+00	0.00E+00	5.66E-08	1.13E-08	7.15E-08	1.10E-08	1.68E-08	1.67E-07
4994	475863.1	3863377	5.28E-04	5.70E-04	8.99E-04	1.83E-07	5.52E-07	3.20E-07	3.45E-07	3.12E-07	1.43E-07	2.25E-07	0.00E+00	0.00E+00	5.88E-08	1.17E-08	7.42E-08	1.14E-08	1.74E-08	1.74E-07
4995	476363.1	3863377	5.48E-04	5.91E-04	9.32E-04	1.90E-07	5.73E-07	3.32E-07	3.58E-07	3.24E-07	1.48E-07	2.33E-07	0.00E+00	0.00E+00	6.10E-08	1.21E-08	7.70E-08	1.19E-08	1.81E-08	1.80E-07
4996	476863.1	3863377	5.69E-04	6.14E-04	9.68E-04	1.97E-07	5.95E-07	3.44E-07	3.71E-07	3.37E-07	1.54E-07	2.42E-07	0.00E+00	0.00E+00	6.34E-08	1.26E-08	8.00E-08	1.23E-08	1.88E-08	1.87E-07
4997	477363.1	3863377	5.91E-04	6.37E-04	1.00E-03	2.04E-07	6.17E-07	3.57E-07	3.85E-07	3.49E-07	1.59E-07	2.51E-07	0.00E+00	0.00E+00	6.58E-08	1.31E-08	8.30E-08	1.28E-08	1.95E-08	1.94E-07
4998	477863.1	3863377	6.06E-04	6.53E-04	1.03E-03	2.10E-07	6.33E-07	3.67E-07	3.95E-07	3.58E-07	1.64E-07	2.58E-07	0.00E+00	0.00E+00	6.74E-08	1.34E-08	8.52E-08	1.31E-08	2.00E-08	1.99E-07
4999	478363.1	3863377	6.02E-04	6.50E-04	1.03E-03	2.08E-07	6.29E-07	3.64E-07	3.93E-07	3.56E-07	1.63E-07	2.57E-07	0.00E+00	0.00E+00	6.70E-08	1.33E-08	8.46E-08	1.31E-08	1.99E-08	1.98E-07
5000	478863.1	3863377	6.39E-04	6.90E-04	1.09E-03	2.21E-07	6.68E-07	3.87E-07	4.17E-07	3.78E-07	1.73E-07	2.72E-07	0.00E+00	0.00E+00	7.12E-08	1.42E-08	8.99E-08	1.39E-08	2.11E-08	2.10E-07
5001	479363.1	3863377	6.89E-04	7.43E-04	1.17E-03	2.38E-07	7.20E-07	4.17E-07	4.49E-07	4.07E-07	1.86E-07	2.92E-07	0.00E+00	0.00E+00	7.67E-08	1.53E-08	9.68E-08	1.49E-08	2.26E-08	2.26E-07
5002	479863.1	3863377	7.24E-04	7.80E-04	1.23E-03	2.51E-07	7.56E-07	4.38E-07	4.72E-07	4.28E-07	1.95E-07	3.07E-07	0.00E+00	0.00E+00	8.06E-08	1.60E-08	1.02E-07	1.57E-08	2.37E-08	2.38E-07
5003	480363.1	3863377	7.52E-04	8.11E-04	1.27E-03	2.60E-07	7.86E-07	4.55E-07	4.90E-07	4.45E-07	2.03E-07	3.19E-07	0.00E+00	0.00E+00	8.37E-08	1.66E-08	1.06E-07	1.63E-08	2.47E-08	2.47E-07
5004	480863.1	3863377	7.85E-04	8.46E-04	1.33E-03	2.72E-07	8.20E-07	4.75E-07	5.12E-07	4.64E-07	2.12E-07	3.33E-07	0.00E+00	0.00E+00	8.73E-08	1.74E-08	1.10E-07	1.70E-08	2.58E-08	2.58E-07
5005	481363.1	3863377	8.12E-04	8.75E-04	1.38E-03	2.81E-07	8.49E-07	4.91E-07	5.30E-07	4.80E-07	2.19E-07	3.44E-07	0.00E+00	0.00E+00	9.04E-08	1.80E-08	1.14E-07	1.76E-08	2.67E-08	2.67E-07
5006	481863.1	3863377	8.42E-04	9.07E-04	1.42E-03	2.91E-07	8.80E-07	5.09E-07	5.49E-07	4.97E-07	2.27E-07	3.56E-07	0.00E+00	0.00E+00	9.37E-08	1.86E-08	1.18E-07	1.82E-08	2.76E-08	2.76E-07
5007	482363.1	3863377	8.69E-04	9.36E-04	1.47E-03	3.01E-07	9.08E-07	5.26E-07	5.67E-07	5.14E-07	2.34E-07	3.68E-07	0.00E+00	0.00E+00	9.67E-08	1.92E-08	1.22E-07	1.88E-08	2.85E-08	2.85E-07
5008	482863.1	3863377	8.91E-04	9.60E-04	1.51E-03	3.08E-07	9.31E-07	5.39E-07	5.81E-07	5.27E-07	2.40E-07	3.77E-07	0.00E+00	0.00E+00	9.92E-08	1.97E-08	1.25E-07	1.93E-08	2.92E-08	2.93E-07
5009	483363.1	3863377	9.07E-04	9.78E-04	1.53E-03	3.14E-07	9.48E-07	5.49E-07	5.91E-07	5.36E-07	2.45E-07	3.84E-07	0.00E+00	0.00E+00	1.01E-07	2.01E-08	1.27E-07	1.96E-08	2.97E-08	2.98E-07

5010	483863.1	3863377	9.12E-04	9.83E-04	1.54E-03	3.16E-07	9.53E-07	5.52E-07	5.95E-07	5.39E-07	2.46E-07	3.85E-07	0.00E+00	0.00E+00	1.02E-07	2.02E-08	1.28E-07	1.97E-08	2.98E-08	2.99E-07
5011	484363.1	3863377	9.08E-04	9.79E-04	1.53E-03	3.14E-07	9.49E-07	5.50E-07	5.92E-07	5.37E-07	2.45E-07	3.83E-07	0.00E+00	0.00E+00	1.01E-07	2.01E-08	1.28E-07	1.97E-08	2.97E-08	2.98E-07
5012	484863.1	3863377	9.06E-04	9.76E-04	1.52E-03	3.14E-07	9.47E-07	5.48E-07	5.90E-07	5.35E-07	2.44E-07	3.82E-07	0.00E+00	0.00E+00	1.01E-07	2.00E-08	1.27E-07	1.96E-08	2.95E-08	2.97E-07
5013	485363.1	3863377	8.97E-04	9.66E-04	1.51E-03	3.10E-07	9.37E-07	5.43E-07	5.84E-07	5.30E-07	2.42E-07	3.77E-07	0.00E+00	0.00E+00	9.98E-08	1.98E-08	1.26E-07	1.94E-08	2.92E-08	2.94E-07
5014	485863.1	3863377	8.91E-04	9.60E-04	1.50E-03	3.09E-07	9.32E-07	5.39E-07	5.81E-07	5.26E-07	2.40E-07	3.75E-07	0.00E+00	0.00E+00	9.92E-08	1.97E-08	1.25E-07	1.93E-08	2.90E-08	2.92E-07
5015	486363.1	3863377	8.87E-04	9.56E-04	1.49E-03	3.07E-07	9.28E-07	5.37E-07	5.78E-07	5.24E-07	2.39E-07	3.73E-07	0.00E+00	0.00E+00	9.88E-08	1.96E-08	1.25E-07	1.92E-08	2.89E-08	2.91E-07
5016	486863.1	3863377	8.77E-04	9.44E-04	1.47E-03	3.04E-07	9.17E-07	5.31E-07	5.71E-07	5.18E-07	2.36E-07	3.69E-07	0.00E+00	0.00E+00	9.76E-08	1.94E-08	1.23E-07	1.90E-08	2.85E-08	2.88E-07
5017	487363.1	3863377	8.66E-04	9.32E-04	1.45E-03	3.00E-07	9.05E-07	5.24E-07	5.64E-07	5.11E-07	2.33E-07	3.64E-07	0.00E+00	0.00E+00	9.64E-08	1.91E-08	1.21E-07	1.87E-08	2.82E-08	2.84E-07
5018	487863.1	3863377	8.61E-04	9.27E-04	1.45E-03	2.98E-07	9.00E-07	5.21E-07	5.61E-07	5.08E-07	2.32E-07	3.62E-07	0.00E+00	0.00E+00	9.58E-08	1.90E-08	1.21E-07	1.86E-08	2.80E-08	2.82E-07
5019	488363.1	3863377	8.63E-04	9.30E-04	1.46E-03	2.99E-07	9.02E-07	5.22E-07	5.63E-07	5.10E-07	2.33E-07	3.64E-07	0.00E+00	0.00E+00	9.61E-08	1.91E-08	1.21E-07	1.87E-08	2.82E-08	2.83E-07
5020	488863.1	3863377	8.70E-04	9.38E-04	1.47E-03	3.01E-07	9.09E-07	5.26E-07	5.67E-07	5.14E-07	2.35E-07	3.68E-07	0.00E+00	0.00E+00	9.69E-08	1.93E-08	1.22E-07	1.88E-08	2.85E-08	2.86E-07
5021	489363.1	3863377	8.72E-04	9.39E-04	1.48E-03	3.02E-07	9.11E-07	5.27E-07	5.68E-07	5.15E-07	2.35E-07	3.69E-07	0.00E+00	0.00E+00	9.70E-08	1.93E-08	1.22E-07	1.89E-08	2.86E-08	2.86E-07
5022	489863.1	3863377	8.76E-04	9.45E-04	1.49E-03	3.03E-07	9.16E-07	5.30E-07	5.72E-07	5.18E-07	2.36E-07	3.72E-07	0.00E+00	0.00E+00	9.76E-08	1.94E-08	1.23E-07	1.90E-08	2.88E-08	2.88E-07
5023	490363.1	3863377	8.88E-04	9.57E-04	1.51E-03	3.07E-07	9.28E-07	5.37E-07	5.79E-07	5.25E-07	2.40E-07	3.77E-07	0.00E+00	0.00E+00	9.88E-08	1.97E-08	1.25E-07	1.92E-08	2.92E-08	2.92E-07
5024	490863.1	3863377	9.02E-04	9.72E-04	1.53E-03	3.12E-07	9.42E-07	5.46E-07	5.88E-07	5.33E-07	2.43E-07	3.84E-07	0.00E+00	0.00E+00	1.00E-07	2.00E-08	1.27E-07	1.95E-08	2.97E-08	2.96E-07
5025	491363.1	3863377	9.02E-04	9.73E-04	1.54E-03	3.12E-07	9.43E-07	5.46E-07	5.89E-07	5.34E-07	2.44E-07	3.84E-07	0.00E+00	0.00E+00	1.00E-07	2.00E-08	1.27E-07	1.96E-08	2.98E-08	2.97E-07
5026	491863.1	3863377	9.07E-04	9.78E-04	1.55E-03	3.14E-07	9.48E-07	5.49E-07	5.92E-07	5.37E-07	2.45E-07	3.87E-07	0.00E+00	0.00E+00	1.01E-07	2.01E-08	1.27E-07	1.97E-08	2.99E-08	2.98E-07
5027	492363.1	3863377	9.32E-04	1.01E-03	1.59E-03	3.23E-07	9.74E-07	5.64E-07	6.09E-07	5.52E-07	2.52E-07	3.98E-07	0.00E+00	0.00E+00	1.04E-07	2.07E-08	1.31E-07	2.02E-08	3.08E-08	3.07E-07
5028	492863.1	3863377	9.65E-04	1.04E-03	1.65E-03	3.34E-07	1.01E-06	5.84E-07	6.30E-07	5.71E-07	2.61E-07	4.13E-07	0.00E+00	0.00E+00	1.07E-07	2.14E-08	1.36E-07	2.09E-08	3.20E-08	3.17E-07
5029	493363.1	3863377	9.65E-04	1.04E-03	1.65E-03	3.34E-07	1.01E-06	5.84E-07	6.31E-07	5.72E-07	2.61E-07	4.14E-07	0.00E+00	0.00E+00	1.07E-07	2.14E-08	1.36E-07	2.09E-08	3.21E-08	3.18E-07
5030	493863.1	3863377	9.26E-04	9.99E-04	1.59E-03	3.20E-07	9.67E-07	5.60E-07	6.05E-07	5.48E-07	2.50E-07	3.97E-07	0.00E+00	0.00E+00	1.03E-07	2.05E-08	1.30E-07	2.01E-08	3.07E-08	3.05E-07
5031	494363.1	3863377	8.80E-04	9.50E-04	1.51E-03	3.05E-07	9.20E-07	5.32E-07	5.75E-07	5.21E-07	2.38E-07	3.77E-07	0.00E+00	0.00E+00	9.79E-08	1.95E-08	1.24E-07	1.91E-08	2.92E-08	2.89E-07
5032	494863.1	3863377	8.60E-04	9.29E-04	1.47E-03	2.98E-07	8.99E-07	5.21E-07	5.62E-07	5.09E-07	2.32E-07	3.69E-07	0.00E+00	0.00E+00	9.58E-08	1.91E-08	1.21E-07	1.87E-08	2.86E-08	2.83E-07
5033	495363.1	3863377	8.59E-04	9.27E-04	1.47E-03	2.97E-07	8.98E-07	5.20E-07	5.61E-07	5.09E-07	2.32E-07	3.69E-07	0.00E+00	0.00E+00	9.56E-08	1.90E-08	1.21E-07	1.86E-08	2.85E-08	2.83E-07
5034	495863.1	3863377	8.65E-04	9.34E-04	1.48E-03	2.99E-07	9.04E-07	5.23E-07	5.65E-07	5.12E-07	2.34E-07	3.71E-07	0.00E+00	0.00E+00	9.63E-08	1.92E-08	1.22E-07	1.88E-08	2.88E-08	2.85E-07
5035	496363.1	3863377	8.54E-04	9.22E-04	1.47E-03	2.96E-07	8.93E-07	5.17E-07	5.58E-07	5.06E-07	2.31E-07	3.67E-07	0.00E+00	0.00E+00	9.51E-08	1.89E-08	1.20E-07	1.85E-08	2.84E-08	2.81E-07
5036	496863.1	3863377	8.57E-04	9.26E-04	1.47E-03	2.97E-07	8.96E-07	5.19E-07	5.60E-07	5.08E-07	2.32E-07	3.69E-07	0.00E+00	0.00E+00	9.54E-08	1.90E-08	1.21E-07	1.86E-08	2.85E-08	2.82E-07
5037	497363.1	3863377	8.77E-04	9.47E-04	1.51E-03	3.04E-07	9.17E-07	5.31E-07	5.73E-07	5.19E-07	2.37E-07	3.78E-07	0.00E+00	0.00E+00	9.76E-08	1.95E-08	1.23E-07	1.90E-08	2.92E-08	2.89E-07
5038	497863.1	3863377	8.92E-04	9.64E-04	1.54E-03	3.09E-07	9.33E-07	5.40E-07	5.83E-07	5.29E-07	2.41E-07	3.85E-07	0.00E+00	0.00E+00	9.93E-08	1.98E-08	1.26E-07	1.94E-08	2.98E-08	2.94E-07
5039	498363.1	3863377	8.95E-04	9.67E-04	1.54E-03	3.10E-07	9.36E-07	5.42E-07	5.85E-07	5.30E-07	2.42E-07	3.86E-07	0.00E+00	0.00E+00	9.97E-08	1.99E-08	1.26E-07	1.94E-08	2.99E-08	2.95E-07
5040	471363.1	3863877	3.73E-04	4.02E-04	6.36E-04	1.29E-07	3.90E-07	2.26E-07	2.43E-07	2.21E-07	1.01E-07	1.59E-07	0.00E+00	0.00E+00	4.15E-08	8.26E-09	5.24E-08	8.09E-09	1.23E-08	1.23E-07
5041	471863.1	3863877	3.84E-04	4.14E-04	6.55E-04	1.33E-07	4.01E-07	2.32E-07	2.51E-07	2.27E-07	1.04E-07	1.64E-07	0.00E+00	0.00E+00	4.27E-08	8.50E-09	5.40E-08	8.32E-09	1.27E-08	1.26E-07
5042	472363.1	3863877	3.96E-04	4.27E-04	6.75E-04	1.37E-07	4.14E-07	2.40E-07	2.58E-07	2.34E-07	1.07E-07	1.69E-07	0.00E+00	0.00E+00	4.41E-08	8.77E-09	5.57E-08	8.58E-09	1.31E-08	1.30E-07
5043	472863.1	3863877	4.08E-04	4.40E-04	6.95E-04	1.41E-07	4.26E-07	2.47E-07	2.66E-07	2.41E-07	1.10E-07	1.74E-07	0.00E+00	0.00E+00	4.54E-08	9.03E-09	5.73E-08	8.84E-09	1.35E-08	1.34E-07
5044	473363.1	3863877	4.20E-04	4.53E-04	7.14E-04	1.45E-07	4.39E-07	2.54E-07	2.74E-07	2.48E-07	1.13E-07	1.79E-07	0.00E+00	0.00E+00	4.67E-08	9.30E-09	5.90E-08	9.10E-09	1.38E-08	1.38E-07
5045	473863.1	3863877	4.33E-04	4.66E-04	7.36E-04	1.50E-07	4.52E-07	2.62E-07	2.82E-07	2.56E-07	1.17E-07	1.84E-07	0.00E+00	0.00E+00	4.81E-08	9.58E-09	6.08E-08	9.37E-09	1.43E-08	1.42E-07
5046	474363.1	3863877	4.46E-04	4.81E-04	7.59E-04	1.54E-07	4.66E-07	2.70E-07	2.91E-07	2.64E-07	1.20E-07	1.90E-07	0.00E+00	0.00E+00	4.97E-08	9.88E-09	6.27E-08	9.67E-09	1.47E-08	1.47E-07
5047	474863.1	3863877	4.60E-04	4.96E-04	7.83E-04	1.59E-07	4.81E-07	2.79E-07	3.00E-07	2.72E-07	1.24E-07	1.96E-07	0.00E+00	0.00E+00	5.12E-08	1.02E-08	6.47E-08	9.98E-09	1.52E-08	1.51E-07
5048	475363.1	3863877	4.77E-04	5.14E-04	8.11E-04	1.65E-07	4.98E-07	2.89E-07	3.11E-07	2.82E-07	1.29E-07	2.03E-07	0.00E+00	0.00E+00	5.31E-08	1.06E-08	6.70E-08	1.03E-08	1.57E-08	1.57E-07
5049	475863.1	3863877	4.93E-04	5.31E-04	8.37E-04	1.71E-07	5.15E-07	2.98E-07	3.22E-07	2.91E-07	1.33E-07	2.10E-07	0.00E+00	0.00E+00	5.49E-08	1.09E-08	6.93E-08	1.07E-08	1.62E-08	1.62E-07
5050	476363.1	3863877	5.10E-04	5.50E-04	8.66E-04	1.77E-07	5.33E-07	3.09E-07	3.33E-07	3.02E-07	1.38E-07	2.17E-07	0.00E+00	0.00E+00	5.68E-08	1.13E-08	7.17E-08	1.11E-08	1.68E-08	1.68E-07
5051	476863.1	3863877	5.29E-04	5.70E-04	8.97E-04	1.83E-07	5.52E-07	3.20E-07	3.45E-07	3.13E-07	1.43E-07	2.24E-07	0.00E+00	0.00E+00	5.88E-08	1.17E-08	7.43E-08	1.15E-08	1.74E-08	1.74E-07
5052	477363.1	3863877	5.49E-04	5.92E-04	9.32E-04	1.90E-07	5.74E-07	3.32E-07	3.58E-07	3.25E-07	1.48E-07	2.33E-07	0.00E+00	0.00E+00	6.11E-08	1.22E-08	7.72E-08	1.19E-08	1.81E-08	1.80E-07
5053	477863.1	3863877	5.71E-04	6.15E-04	9.69E-04	1.98E-07	5.97E-07	3.45E-07	3.72E-07	3.38E-07	1.54E-07	2.43E-07	0.00E+00	0.00E+00	6.35E-08	1.26E-08	8.02E-08	1.24E-08	1.88E-08	1.88E-07
5054	478363.1	3863877	5.82E-04	6.27E-04	9.88E-04	2.01E-07	6.08E-07	3.52E-07	3.79E-07	3.44E-07	1.57E-07	2.47E-07	0.00E+00	0.00E+00	6.47E-08	1.29E-08	8.17E-08	1.26E-08	1.91E-08	1.91E-07
5055	478863.1	3863877	6.21E-04	6.70E-04	1.05E-03	2.15E-07	6.49E-07	3.76E-07	4.05E-07	3.67E-07	1.68E-07	2.64E-07	0.00E+00	0.00E+00	6.91E-08	1.38E-08	8.73E-08	1.35E-08	2.04E-08	2.04E-07
5056	479363.1	3863877	6.46E-04	6.96E-04	1.09E-03	2.23E-07	6.75E-07	3.91E-07	4.21E-07	3.82E-07	1.74E-07	2.74E-07	0.00E+00	0.00E+00	7.19E-08	1.43E-08	9.07E-08	1.40E-08	2.12E-08	2.12E-07
5057	479863.1	3863877	6.67E-04	7.19E-04	1.13E-03	2.31E-07	6.98E-07	4.04E-07	4.35E-07	3.95E-07	1.80E-07	2.83E-07	0.00E+00	0.00E+00	7.43E-08	1.48E-08	9.38E-08	1.45E-08	2.19E-08	2.19E-07
5058	480363.1	3863877	6.91E-04	7.45E-04	1.17E-03	2.39E-07	7.22E-07	4.18E-07	4.51E-07	4.09E-07	1.86E-07	2.93E-07	0.00E+00	0.00E+00	7.69E-08	1.53E-08	9.71E-08	1.50E-08	2.27E-08	2.27E-07
5059	480863.1	3863877	7.18E-04	7.74E-04	1.22E-03	2.49E-07	7.51E-07	4.34E-07	4.68E-07	4.25E-07	1.94E-07	3.04E-07	0.00E+00	0.00E+00	7.99E-08	1.59E-08	1.01E-07	1.56E-08	2.36E-08	2.36E-07
5060	481363.1	3863877	7.42E-04	7.99E-04	1.26E-03	2.57E-07	7.75E-07	4.49E-07	4.84E-07	4.38E-07	2.00E-07	3.14E-07	0.00E+00	0.00E+00	8.26E-08	1.64E-08	1.04E-07	1.61E-08	2.43E-08	2.44E-07
5061	481863.1	3863877	7.64E-04	8.23E-04	1.29E-03	2.64E-07	7.98E-07	4.62E-07	4.98E-07	4.52E-07	2.06E-07	3.23E-07	0.00E+00	0.00E+00	8.50E-08	1.69E-08	1.07E-07	1.65E-08	2.50E-08	2.51E-07
5062	482363.1	3863877	7.87E-04	8.48E-04	1.33E-03	2.72E-07	8.22E-07	4.76E-07	5.13E-07	4.65E-07	2.12E-07	3.33E-07	0.00E+00	0.00E+00	8.76E-08	1.74E-08	1.10E-07	1.70E-08	2.58E-08	2.58E-07
5063	482863.1	3863877	8.02E-04	8.64E-04	1.36E-03	2.78E-07	8.38E-07	4.85E-07	5.23E-07	4.74E-07	2.16E-07	3.39E-07	0.00E+00	0.00E+00	8.93E-08	1.78E-08	1.13E-07	1.74E-08	2.63E-08	2.63E-07
5064	483363.1	3863877	8.10E-04	8.73E-04	1.37E-03	2.81E-07	8.47E-07	4.90E-07	5.28E-07	4.79E-07	2.19E-07	3.42E-07	0.00E+00	0.00E+00	9.02E-08	1.79E-08	1.14E-07	1.75E-08	2.65E-08	2.66E-07
5065	483863.1	3863877	8.12E-04	8.75E-04	1.37E-03	2.81E-07	8.49E-07	4.91E-07	5.29E-07	4.80E-07	2.19E-07	3.43E-07	0.00E+00	0.00E+00	9.04E-08	1.80E-08	1.14E-07	1.76E-08	2.65E-08	2.66E-07
5066	484363.1	3863877	8.06E-04	8.68E-04	1.36E-03	2.79E-07	8.43E-07	4.88E-07	5.25E-07	4.76E-07	2.17E-07	3.40E-07	0.00E+00	0.00E+00	8.97E-08	1.78E-08	1.13E-07	1.75E-08	2.63E-08	2.64E-07

5067	484863.1	3863877	8.01E-04	8.62E-04	1.35E-03	2.77E-07	8.37E-07	4.85E-07	5.22E-07	4.73E-07	2.16E-07	3.37E-07	0.00E+00	0.00E+00	8.91E-08	1.77E-08	1.12E-07	1.73E-08	2.61E-08	2.63E-07
5068	485363.1	3863877	7.94E-04	8.55E-04	1.33E-03	2.75E-07	8.30E-07	4.80E-07	5.17E-07	4.69E-07	2.14E-07	3.34E-07	0.00E+00	0.00E+00	8.84E-08	1.76E-08	1.11E-07	1.72E-08	2.59E-08	2.60E-07
5069	485863.1	3863877	7.93E-04	8.53E-04	1.33E-03	2.74E-07	8.28E-07	4.80E-07	5.16E-07	4.68E-07	2.14E-07	3.33E-07	0.00E+00	0.00E+00	8.82E-08	1.75E-08	1.11E-07	1.72E-08	2.58E-08	2.60E-07
5070	486363.1	3863877	7.86E-04	8.46E-04	1.32E-03	2.72E-07	8.22E-07	4.76E-07	5.12E-07	4.64E-07	2.12E-07	3.30E-07	0.00E+00	0.00E+00	8.75E-08	1.74E-08	1.10E-07	1.70E-08	2.56E-08	2.58E-07
5071	486863.1	3863877	7.77E-04	8.36E-04	1.30E-03	2.69E-07	8.12E-07	4.70E-07	5.06E-07	4.59E-07	2.09E-07	3.26E-07	0.00E+00	0.00E+00	8.64E-08	1.72E-08	1.09E-07	1.68E-08	2.53E-08	2.55E-07
5072	487363.1	3863877	7.69E-04	8.27E-04	1.29E-03	2.66E-07	8.03E-07	4.65E-07	5.01E-07	4.54E-07	2.07E-07	3.23E-07	0.00E+00	0.00E+00	8.55E-08	1.70E-08	1.08E-07	1.66E-08	2.50E-08	2.52E-07
5073	487863.1	3863877	7.63E-04	8.22E-04	1.28E-03	2.64E-07	7.98E-07	4.62E-07	4.97E-07	4.51E-07	2.06E-07	3.21E-07	0.00E+00	0.00E+00	8.50E-08	1.69E-08	1.07E-07	1.65E-08	2.49E-08	2.50E-07
5074	488363.1	3863877	7.65E-04	8.24E-04	1.29E-03	2.65E-07	8.00E-07	4.63E-07	4.99E-07	4.52E-07	2.06E-07	3.22E-07	0.00E+00	0.00E+00	8.52E-08	1.69E-08	1.07E-07	1.66E-08	2.50E-08	2.51E-07
5075	488863.1	3863877	7.71E-04	8.30E-04	1.30E-03	2.67E-07	8.05E-07	4.66E-07	5.02E-07	4.55E-07	2.08E-07	3.26E-07	0.00E+00	0.00E+00	8.58E-08	1.71E-08	1.08E-07	1.67E-08	2.52E-08	2.53E-07
5076	489363.1	3863877	7.73E-04	8.33E-04	1.31E-03	2.67E-07	8.08E-07	4.68E-07	5.04E-07	4.57E-07	2.08E-07	3.27E-07	0.00E+00	0.00E+00	8.60E-08	1.71E-08	1.09E-07	1.67E-08	2.53E-08	2.54E-07
5077	489863.1	3863877	7.75E-04	8.35E-04	1.31E-03	2.68E-07	8.10E-07	4.69E-07	5.05E-07	4.58E-07	2.09E-07	3.28E-07	0.00E+00	0.00E+00	8.62E-08	1.71E-08	1.09E-07	1.68E-08	2.54E-08	2.54E-07
5078	490363.1	3863877	7.82E-04	8.43E-04	1.33E-03	2.71E-07	8.17E-07	4.73E-07	5.10E-07	4.62E-07	2.11E-07	3.32E-07	0.00E+00	0.00E+00	8.70E-08	1.73E-08	1.10E-07	1.69E-08	2.57E-08	2.57E-07
5079	490863.1	3863877	7.93E-04	8.55E-04	1.35E-03	2.74E-07	8.29E-07	4.80E-07	5.17E-07	4.69E-07	2.14E-07	3.37E-07	0.00E+00	0.00E+00	8.83E-08	1.76E-08	1.11E-07	1.72E-08	2.61E-08	2.61E-07
5080	491363.1	3863877	8.00E-04	8.63E-04	1.36E-03	2.77E-07	8.36E-07	4.84E-07	5.22E-07	4.73E-07	2.16E-07	3.41E-07	0.00E+00	0.00E+00	8.91E-08	1.77E-08	1.12E-07	1.73E-08	2.64E-08	2.63E-07
5081	491863.1	3863877	8.20E-04	8.85E-04	1.40E-03	2.84E-07	8.58E-07	4.96E-07	5.35E-07	4.85E-07	2.21E-07	3.50E-07	0.00E+00	0.00E+00	9.13E-08	1.82E-08	1.15E-07	1.78E-08	2.71E-08	2.70E-07
5082	492363.1	3863877	8.37E-04	9.03E-04	1.43E-03	2.90E-07	8.75E-07	5.06E-07	5.46E-07	4.95E-07	2.26E-07	3.57E-07	0.00E+00	0.00E+00	9.31E-08	1.85E-08	1.18E-07	1.81E-08	2.77E-08	2.75E-07
5083	492863.1	3863877	8.43E-04	9.09E-04	1.44E-03	2.92E-07	8.81E-07	5.10E-07	5.50E-07	4.99E-07	2.28E-07	3.60E-07	0.00E+00	0.00E+00	9.38E-08	1.87E-08	1.19E-07	1.83E-08	2.79E-08	2.77E-07
5084	493363.1	3863877	8.75E-04	9.44E-04	1.50E-03	3.03E-07	9.14E-07	5.29E-07	5.71E-07	5.18E-07	2.36E-07	3.74E-07	0.00E+00	0.00E+00	9.74E-08	1.94E-08	1.23E-07	1.90E-08	2.90E-08	2.88E-07
5085	493863.1	3863877	8.67E-04	9.35E-04	1.48E-03	3.00E-07	9.06E-07	5.24E-07	5.66E-07	5.13E-07	2.34E-07	3.71E-07	0.00E+00	0.00E+00	9.65E-08	1.92E-08	1.22E-07	1.88E-08	2.87E-08	2.85E-07
5086	494363.1	3863877	8.32E-04	8.98E-04	1.43E-03	2.88E-07	8.70E-07	5.03E-07	5.43E-07	4.93E-07	2.25E-07	3.57E-07	0.00E+00	0.00E+00	9.26E-08	1.84E-08	1.17E-07	1.80E-08	2.76E-08	2.74E-07
5087	494863.1	3863877	7.94E-04	8.57E-04	1.36E-03	2.75E-07	8.30E-07	4.81E-07	5.19E-07	4.70E-07	2.15E-07	3.40E-07	0.00E+00	0.00E+00	8.84E-08	1.76E-08	1.12E-07	1.72E-08	2.64E-08	2.61E-07
5088	495363.1	3863877	7.72E-04	8.33E-04	1.32E-03	2.67E-07	8.07E-07	4.67E-07	5.04E-07	4.57E-07	2.08E-07	3.31E-07	0.00E+00	0.00E+00	8.59E-08	1.71E-08	1.09E-07	1.67E-08	2.56E-08	2.54E-07
5089	495863.1	3863877	7.64E-04	8.25E-04	1.31E-03	2.65E-07	7.99E-07	4.62E-07	4.99E-07	4.52E-07	2.06E-07	3.28E-07	0.00E+00	0.00E+00	8.51E-08	1.69E-08	1.07E-07	1.66E-08	2.54E-08	2.51E-07
5090	496363.1	3863877	7.57E-04	8.17E-04	1.30E-03	2.62E-07	7.91E-07	4.58E-07	4.95E-07	4.48E-07	2.05E-07	3.25E-07	0.00E+00	0.00E+00	8.43E-08	1.68E-08	1.07E-07	1.64E-08	2.52E-08	2.49E-07
5091	496863.1	3863877	7.55E-04	8.15E-04	1.30E-03	2.61E-07	7.89E-07	4.57E-07	4.93E-07	4.47E-07	2.04E-07	3.24E-07	0.00E+00	0.00E+00	8.40E-08	1.67E-08	1.06E-07	1.64E-08	2.51E-08	2.48E-07
5092	497363.1	3863877	7.60E-04	8.21E-04	1.31E-03	2.63E-07	7.95E-07	4.60E-07	4.97E-07	4.50E-07	2.05E-07	3.27E-07	0.00E+00	0.00E+00	8.46E-08	1.69E-08	1.07E-07	1.65E-08	2.53E-08	2.50E-07
5093	497863.1	3863877	7.75E-04	8.37E-04	1.33E-03	2.68E-07	8.10E-07	4.69E-07	5.06E-07	4.59E-07	2.09E-07	3.34E-07	0.00E+00	0.00E+00	8.63E-08	1.72E-08	1.09E-07	1.68E-08	2.58E-08	2.55E-07
5094	498363.1	3863877	7.87E-04	8.50E-04	1.35E-03	2.72E-07	8.22E-07	4.76E-07	5.14E-07	4.66E-07	2.13E-07	3.39E-07	0.00E+00	0.00E+00	8.76E-08	1.75E-08	1.11E-07	1.71E-08	2.63E-08	2.59E-07
5095	471363.1	3864377	3.56E-04	3.84E-04	6.06E-04	1.23E-07	3.72E-07	2.15E-07	2.32E-07	2.10E-07	9.60E-08	1.52E-07	0.00E+00	0.00E+00	3.96E-08	7.88E-09	5.00E-08	7.71E-09	1.18E-08	1.17E-07
5096	471863.1	3864377	3.66E-04	3.94E-04	6.23E-04	1.27E-07	3.82E-07	2.21E-07	2.39E-07	2.16E-07	9.87E-08	1.56E-07	0.00E+00	0.00E+00	4.07E-08	8.10E-09	5.14E-08	7.93E-09	1.21E-08	1.20E-07
5097	472363.1	3864377	3.76E-04	4.05E-04	6.40E-04	1.30E-07	3.93E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.60E-07	0.00E+00	0.00E+00	4.18E-08	8.32E-09	5.28E-08	8.14E-09	1.24E-08	1.23E-07
5098	472863.1	3864377	3.86E-04	4.16E-04	6.57E-04	1.34E-07	4.03E-07	2.33E-07	2.52E-07	2.28E-07	1.04E-07	1.64E-07	0.00E+00	0.00E+00	4.29E-08	8.54E-09	5.42E-08	8.36E-09	1.27E-08	1.27E-07
5099	473363.1	3864377	3.96E-04	4.27E-04	6.74E-04	1.37E-07	4.14E-07	2.40E-07	2.58E-07	2.34E-07	1.07E-07	1.69E-07	0.00E+00	0.00E+00	4.41E-08	8.77E-09	5.56E-08	8.58E-09	1.31E-08	1.30E-07
5100	473863.1	3864377	4.07E-04	4.39E-04	6.92E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.41E-07	1.10E-07	1.73E-07	0.00E+00	0.00E+00	4.53E-08	9.01E-09	5.72E-08	8.82E-09	1.34E-08	1.34E-07
5101	474363.1	3864377	4.19E-04	4.52E-04	7.13E-04	1.45E-07	4.38E-07	2.54E-07	2.74E-07	2.48E-07	1.13E-07	1.78E-07	0.00E+00	0.00E+00	4.67E-08	9.29E-09	5.89E-08	9.09E-09	1.38E-08	1.38E-07
5102	474863.1	3864377	4.32E-04	4.65E-04	7.33E-04	1.49E-07	4.51E-07	2.61E-07	2.82E-07	2.55E-07	1.16E-07	1.83E-07	0.00E+00	0.00E+00	4.80E-08	9.56E-09	6.06E-08	9.35E-09	1.42E-08	1.42E-07
5103	475363.1	3864377	4.46E-04	4.80E-04	7.56E-04	1.54E-07	4.66E-07	2.70E-07	2.91E-07	2.63E-07	1.20E-07	1.89E-07	0.00E+00	0.00E+00	4.96E-08	9.87E-09	6.26E-08	9.65E-09	1.47E-08	1.46E-07
5104	475863.1	3864377	4.59E-04	4.95E-04	7.79E-04	1.59E-07	4.80E-07	2.78E-07	3.00E-07	2.72E-07	1.24E-07	1.95E-07	0.00E+00	0.00E+00	5.11E-08	1.02E-08	6.45E-08	9.95E-09	1.51E-08	1.51E-07
5105	476363.1	3864377	4.75E-04	5.12E-04	8.05E-04	1.64E-07	4.97E-07	2.87E-07	3.10E-07	2.81E-07	1.28E-07	2.01E-07	0.00E+00	0.00E+00	5.29E-08	1.05E-08	6.67E-08	1.03E-08	1.56E-08	1.56E-07
5106	476863.1	3864377	4.93E-04	5.31E-04	8.35E-04	1.71E-07	5.15E-07	2.98E-07	3.22E-07	2.91E-07	1.33E-07	2.09E-07	0.00E+00	0.00E+00	5.49E-08	1.09E-08	6.92E-08	1.07E-08	1.62E-08	1.62E-07
5107	477363.1	3864377	5.12E-04	5.52E-04	8.68E-04	1.77E-07	5.35E-07	3.10E-07	3.34E-07	3.03E-07	1.38E-07	2.17E-07	0.00E+00	0.00E+00	5.70E-08	1.13E-08	7.19E-08	1.11E-08	1.68E-08	1.68E-07
5108	477863.1	3864377	5.34E-04	5.75E-04	9.04E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.26E-07	0.00E+00	0.00E+00	5.94E-08	1.18E-08	7.50E-08	1.16E-08	1.75E-08	1.75E-07
5109	478363.1	3864377	5.56E-04	6.00E-04	9.43E-04	1.93E-07	5.82E-07	3.37E-07	3.63E-07	3.29E-07	1.50E-07	2.36E-07	0.00E+00	0.00E+00	6.19E-08	1.23E-08	7.82E-08	1.21E-08	1.83E-08	1.83E-07
5110	478863.1	3864377	5.78E-04	6.23E-04	9.79E-04	2.00E-07	6.04E-07	3.50E-07	3.77E-07	3.42E-07	1.56E-07	2.45E-07	0.00E+00	0.00E+00	6.43E-08	1.28E-08	8.12E-08	1.25E-08	1.90E-08	1.90E-07
5111	479363.1	3864377	5.96E-04	6.42E-04	1.01E-03	2.06E-07	6.23E-07	3.61E-07	3.89E-07	3.52E-07	1.61E-07	2.52E-07	0.00E+00	0.00E+00	6.63E-08	1.32E-08	8.37E-08	1.29E-08	1.95E-08	1.96E-07
5112	479863.1	3864377	6.16E-04	6.64E-04	1.04E-03	2.13E-07	6.44E-07	3.73E-07	4.02E-07	3.64E-07	1.66E-07	2.61E-07	0.00E+00	0.00E+00	6.86E-08	1.36E-08	8.66E-08	1.33E-08	2.02E-08	2.02E-07
5113	480363.1	3864377	6.39E-04	6.89E-04	1.08E-03	2.21E-07	6.68E-07	3.87E-07	4.17E-07	3.78E-07	1.72E-07	2.71E-07	0.00E+00	0.00E+00	7.12E-08	1.42E-08	8.98E-08	1.38E-08	2.10E-08	2.10E-07
5114	480863.1	3864377	6.58E-04	7.10E-04	1.11E-03	2.28E-07	6.88E-07	3.98E-07	4.29E-07	3.89E-07	1.78E-07	2.79E-07	0.00E+00	0.00E+00	7.33E-08	1.46E-08	9.25E-08	1.43E-08	2.16E-08	2.16E-07
5115	481363.1	3864377	6.78E-04	7.30E-04	1.15E-03	2.35E-07	7.08E-07	4.10E-07	4.42E-07	4.00E-07	1.83E-07	2.87E-07	0.00E+00	0.00E+00	7.54E-08	1.50E-08	9.52E-08	1.47E-08	2.22E-08	2.22E-07
5116	481863.1	3864377	6.96E-04	7.50E-04	1.18E-03	2.41E-07	7.28E-07	4.21E-07	4.54E-07	4.12E-07	1.88E-07	2.95E-07	0.00E+00	0.00E+00	7.75E-08	1.54E-08	9.78E-08	1.51E-08	2.28E-08	2.29E-07
5117	482363.1	3864377	7.13E-04	7.68E-04	1.20E-03	2.47E-07	7.45E-07	4.31E-07	4.65E-07	4.21E-07	1.92E-07	3.02E-07	0.00E+00	0.00E+00	7.93E-08	1.58E-08	1.00E-07	1.54E-08	2.34E-08	2.34E-07
5118	482863.1	3864377	7.24E-04	7.80E-04	1.22E-03	2.51E-07	7.56E-07	4.38E-07	4.72E-07	4.28E-07	1.95E-07	3.06E-07	0.00E+00	0.00E+00	8.06E-08	1.60E-08	1.02E-07	1.57E-08	2.37E-08	2.38E-07
5119	483363.1	3864377	7.27E-04	7.83E-04	1.23E-03	2.52E-07	7.60E-07	4.40E-07	4.74E-07	4.30E-07	1.96E-07	3.07E-07	0.00E+00	0.00E+00	8.09E-08	1.61E-08	1.02E-07	1.57E-08	2.38E-08	2.39E-07
5120	483863.1	3864377	7.25E-04	7.81E-04	1.22E-03	2.51E-07	7.58E-07	4.39E-07	4.72E-07	4.28E-07	1.95E-07	3.06E-07	0.00E+00	0.00E+00	8.07E-08	1.60E-08	1.02E-07	1.57E-08	2.37E-08	2.38E-07
5121	484363.1	3864377	7.20E-04	7.76E-04	1.21E-03	2.49E-07	7.53E-07	4.36E-07	4.69E-07	4.25E-07	1.94E-07	3.03E-07	0.00E+00	0.00E+00	8.02E-08	1.59E-08	1.01E-07	1.56E-08	2.35E-08	2.36E-07
5122	484863.1	3864377	7.12E-04	7.67E-04	1.20E-03	2.47E-07	7.44E-07	4.31E-07	4.64E-07	4.21E-07	1.92E-07	2.99E-07	0.00E+00	0.00E+00	7.93E-08	1.57E-08	9.99E-08	1.54E-08	2.32E-08	2.34E-07
5123	485363.1	3864377	7.06E-04	7.61E-04	1.19E-03	2.45E-07	7.38E-07	4.27E-07	4.60E-07	4.17E-07	1.90E-07	2.97E-07	0.00E+00	0.00E+00	7.86E-08	1.56E-08	9.91E-08	1.53E-08	2.30E-08	2.32E-07

5124	485863.1	3864377	7.05E-04	7.59E-04	1.18E-03	2.44E-07	7.37E-07	4.26E-07	4.59E-07	4.16E-07	1.90E-07	2.96E-07	0.00E+00	0.00E+00	7.84E-08	1.56E-08	9.89E-08	1.52E-08	2.29E-08	2.31E-07
5125	486363.1	3864377	7.02E-04	7.56E-04	1.18E-03	2.43E-07	7.34E-07	4.25E-07	4.57E-07	4.14E-07	1.89E-07	2.95E-07	0.00E+00	0.00E+00	7.81E-08	1.55E-08	9.85E-08	1.52E-08	2.28E-08	2.30E-07
5126	486863.1	3864377	6.94E-04	7.48E-04	1.16E-03	2.40E-07	7.26E-07	4.20E-07	4.52E-07	4.10E-07	1.87E-07	2.92E-07	0.00E+00	0.00E+00	7.73E-08	1.54E-08	9.74E-08	1.50E-08	2.26E-08	2.28E-07
5127	487363.1	3864377	6.89E-04	7.42E-04	1.16E-03	2.39E-07	7.20E-07	4.17E-07	4.49E-07	4.07E-07	1.86E-07	2.89E-07	0.00E+00	0.00E+00	7.67E-08	1.52E-08	9.67E-08	1.49E-08	2.24E-08	2.26E-07
5128	487863.1	3864377	6.85E-04	7.38E-04	1.15E-03	2.37E-07	7.16E-07	4.15E-07	4.46E-07	4.05E-07	1.85E-07	2.88E-07	0.00E+00	0.00E+00	7.63E-08	1.52E-08	9.61E-08	1.48E-08	2.23E-08	2.25E-07
5129	488363.1	3864377	6.84E-04	7.36E-04	1.15E-03	2.37E-07	7.15E-07	4.14E-07	4.45E-07	4.04E-07	1.84E-07	2.88E-07	0.00E+00	0.00E+00	7.61E-08	1.51E-08	9.60E-08	1.48E-08	2.23E-08	2.24E-07
5130	488863.1	3864377	6.89E-04	7.42E-04	1.16E-03	2.38E-07	7.20E-07	4.17E-07	4.49E-07	4.07E-07	1.86E-07	2.91E-07	0.00E+00	0.00E+00	7.67E-08	1.52E-08	9.67E-08	1.49E-08	2.25E-08	2.26E-07
5131	489363.1	3864377	6.92E-04	7.45E-04	1.17E-03	2.39E-07	7.23E-07	4.18E-07	4.51E-07	4.09E-07	1.87E-07	2.93E-07	0.00E+00	0.00E+00	7.70E-08	1.53E-08	9.71E-08	1.50E-08	2.27E-08	2.27E-07
5132	489863.1	3864377	6.93E-04	7.47E-04	1.17E-03	2.40E-07	7.24E-07	4.19E-07	4.52E-07	4.10E-07	1.87E-07	2.94E-07	0.00E+00	0.00E+00	7.71E-08	1.53E-08	9.73E-08	1.50E-08	2.27E-08	2.27E-07
5133	490363.1	3864377	6.97E-04	7.52E-04	1.18E-03	2.41E-07	7.29E-07	4.22E-07	4.55E-07	4.12E-07	1.88E-07	2.96E-07	0.00E+00	0.00E+00	7.76E-08	1.54E-08	9.80E-08	1.51E-08	2.29E-08	2.29E-07
5134	490863.1	3864377	7.09E-04	7.65E-04	1.20E-03	2.46E-07	7.41E-07	4.29E-07	4.63E-07	4.19E-07	1.91E-07	3.01E-07	0.00E+00	0.00E+00	7.90E-08	1.57E-08	9.97E-08	1.54E-08	2.33E-08	2.33E-07
5135	491363.1	3864377	7.39E-04	7.97E-04	1.26E-03	2.56E-07	7.72E-07	4.47E-07	4.82E-07	4.37E-07	1.99E-07	3.15E-07	0.00E+00	0.00E+00	8.23E-08	1.64E-08	1.04E-07	1.60E-08	2.44E-08	2.43E-07
5136	491863.1	3864377	4.54E-04	4.90E-04	7.75E-04	1.57E-07	4.74E-07	2.75E-07	2.96E-07	2.69E-07	1.23E-07	1.94E-07	0.00E+00	0.00E+00	5.05E-08	1.01E-08	6.38E-08	9.84E-09	1.50E-08	1.49E-07
5137	492363.1	3864377	6.92E-04	7.47E-04	1.18E-03	2.40E-07	7.23E-07	4.19E-07	4.52E-07	4.10E-07	1.87E-07	2.96E-07	0.00E+00	0.00E+00	7.71E-08	1.53E-08	9.73E-08	1.50E-08	2.29E-08	2.28E-07
5138	492863.1	3864377	5.25E-04	5.67E-04	9.00E-04	1.82E-07	5.49E-07	3.18E-07	3.43E-07	3.11E-07	1.42E-07	2.25E-07	0.00E+00	0.00E+00	5.84E-08	1.16E-08	7.38E-08	1.14E-08	1.74E-08	1.73E-07
5139	493363.1	3864377	6.90E-04	7.44E-04	1.18E-03	2.39E-07	7.21E-07	4.17E-07	4.50E-07	4.08E-07	1.86E-07	2.95E-07	0.00E+00	0.00E+00	7.68E-08	1.53E-08	9.70E-08	1.50E-08	2.29E-08	2.27E-07
5140	493863.1	3864377	7.75E-04	8.37E-04	1.33E-03	2.68E-07	8.11E-07	4.69E-07	5.06E-07	4.59E-07	2.09E-07	3.32E-07	0.00E+00	0.00E+00	8.63E-08	1.72E-08	1.09E-07	1.68E-08	2.57E-08	2.55E-07
5141	494363.1	3864377	7.85E-04	8.47E-04	1.34E-03	2.72E-07	8.20E-07	4.75E-07	5.12E-07	4.65E-07	2.12E-07	3.36E-07	0.00E+00	0.00E+00	8.73E-08	1.74E-08	1.10E-07	1.70E-08	2.60E-08	2.58E-07
5142	494863.1	3864377	7.51E-04	8.10E-04	1.29E-03	2.60E-07	7.85E-07	4.54E-07	4.90E-07	4.44E-07	2.03E-07	3.22E-07	0.00E+00	0.00E+00	8.36E-08	1.66E-08	1.06E-07	1.63E-08	2.49E-08	2.47E-07
5143	495363.1	3864377	7.17E-04	7.74E-04	1.23E-03	2.48E-07	7.49E-07	4.34E-07	4.68E-07	4.24E-07	1.94E-07	3.07E-07	0.00E+00	0.00E+00	7.98E-08	1.59E-08	1.01E-07	1.55E-08	2.38E-08	2.36E-07
5144	495863.1	3864377	6.94E-04	7.49E-04	1.19E-03	2.40E-07	7.25E-07	4.20E-07	4.53E-07	4.11E-07	1.87E-07	2.97E-07	0.00E+00	0.00E+00	7.72E-08	1.54E-08	9.76E-08	1.50E-08	2.30E-08	2.28E-07
5145	496363.1	3864377	6.83E-04	7.37E-04	1.17E-03	2.36E-07	7.14E-07	4.13E-07	4.46E-07	4.04E-07	1.84E-07	2.93E-07	0.00E+00	0.00E+00	7.60E-08	1.51E-08	9.61E-08	1.48E-08	2.27E-08	2.25E-07
5146	496863.1	3864377	6.79E-04	7.33E-04	1.16E-03	2.35E-07	7.10E-07	4.11E-07	4.43E-07	4.02E-07	1.83E-07	2.91E-07	0.00E+00	0.00E+00	7.56E-08	1.51E-08	9.55E-08	1.47E-08	2.26E-08	2.23E-07
5147	497363.1	3864377	6.76E-04	7.30E-04	1.16E-03	2.34E-07	7.07E-07	4.09E-07	4.42E-07	4.00E-07	1.83E-07	2.90E-07	0.00E+00	0.00E+00	7.52E-08	1.50E-08	9.51E-08	1.47E-08	2.25E-08	2.22E-07
5148	497863.1	3864377	6.86E-04	7.40E-04	1.18E-03	2.37E-07	7.17E-07	4.15E-07	4.48E-07	4.06E-07	1.85E-07	2.95E-07	0.00E+00	0.00E+00	7.63E-08	1.52E-08	9.65E-08	1.49E-08	2.28E-08	2.26E-07
5149	498363.1	3864377	6.89E-04	7.44E-04	1.18E-03	2.38E-07	7.20E-07	4.17E-07	4.50E-07	4.08E-07	1.86E-07	2.96E-07	0.00E+00	0.00E+00	7.67E-08	1.53E-08	9.69E-08	1.49E-08	2.29E-08	2.27E-07
5150	471363.1	3864877	3.39E-04	3.65E-04	5.77E-04	1.17E-07	3.54E-07	2.05E-07	2.21E-07	2.00E-07	9.14E-08	1.44E-07	0.00E+00	0.00E+00	3.77E-08	7.50E-09	4.76E-08	7.34E-09	1.12E-08	1.11E-07
5151	471863.1	3864877	3.47E-04	3.75E-04	5.91E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.05E-07	9.37E-08	1.48E-07	0.00E+00	0.00E+00	3.87E-08	7.69E-09	4.88E-08	7.53E-09	1.15E-08	1.14E-07
5152	472363.1	3864877	3.55E-04	3.83E-04	6.05E-04	1.23E-07	3.72E-07	2.15E-07	2.32E-07	2.10E-07	9.59E-08	1.51E-07	0.00E+00	0.00E+00	3.96E-08	7.87E-09	5.00E-08	7.70E-09	1.17E-08	1.17E-07
5153	472863.1	3864877	3.64E-04	3.92E-04	6.19E-04	1.26E-07	3.80E-07	2.20E-07	2.37E-07	2.15E-07	9.82E-08	1.55E-07	0.00E+00	0.00E+00	4.05E-08	8.06E-09	5.11E-08	7.89E-09	1.20E-08	1.20E-07
5154	473363.1	3864877	3.73E-04	4.02E-04	6.33E-04	1.29E-07	3.89E-07	2.25E-07	2.43E-07	2.20E-07	1.01E-07	1.58E-07	0.00E+00	0.00E+00	4.15E-08	8.25E-09	5.24E-08	8.07E-09	1.23E-08	1.22E-07
5155	473863.1	3864877	3.82E-04	4.12E-04	6.49E-04	1.32E-07	3.99E-07	2.31E-07	2.49E-07	2.26E-07	1.03E-07	1.62E-07	0.00E+00	0.00E+00	4.25E-08	8.46E-09	5.37E-08	8.28E-09	1.26E-08	1.25E-07
5156	474363.1	3864877	3.93E-04	4.23E-04	6.67E-04	1.36E-07	4.10E-07	2.38E-07	2.56E-07	2.32E-07	1.06E-07	1.67E-07	0.00E+00	0.00E+00	4.37E-08	8.69E-09	5.52E-08	8.51E-09	1.29E-08	1.29E-07
5157	474863.1	3864877	4.04E-04	4.35E-04	6.85E-04	1.40E-07	4.22E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.71E-07	0.00E+00	0.00E+00	4.49E-08	8.94E-09	5.67E-08	8.75E-09	1.33E-08	1.33E-07
5158	475363.1	3864877	4.16E-04	4.48E-04	7.05E-04	1.44E-07	4.35E-07	2.52E-07	2.71E-07	2.46E-07	1.12E-07	1.76E-07	0.00E+00	0.00E+00	4.63E-08	9.21E-09	5.84E-08	9.01E-09	1.37E-08	1.37E-07
5159	475863.1	3864877	4.29E-04	4.62E-04	7.26E-04	1.48E-07	4.48E-07	2.59E-07	2.80E-07	2.54E-07	1.16E-07	1.82E-07	0.00E+00	0.00E+00	4.77E-08	9.49E-09	6.02E-08	9.29E-09	1.41E-08	1.41E-07
5160	476363.1	3864877	4.44E-04	4.79E-04	7.52E-04	1.54E-07	4.64E-07	2.69E-07	2.90E-07	2.63E-07	1.20E-07	1.88E-07	0.00E+00	0.00E+00	4.95E-08	9.84E-09	6.24E-08	9.63E-09	1.46E-08	1.46E-07
5161	476863.1	3864877	4.63E-04	4.99E-04	7.84E-04	1.60E-07	4.84E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.96E-07	0.00E+00	0.00E+00	5.15E-08	1.02E-08	6.50E-08	1.00E-08	1.52E-08	1.52E-07
5162	477363.1	3864877	4.81E-04	5.19E-04	8.15E-04	1.67E-07	5.03E-07	2.91E-07	3.14E-07	2.85E-07	1.30E-07	2.04E-07	0.00E+00	0.00E+00	5.36E-08	1.07E-08	6.76E-08	1.04E-08	1.58E-08	1.58E-07
5163	477863.1	3864877	5.01E-04	5.40E-04	8.49E-04	1.74E-07	5.24E-07	3.03E-07	3.27E-07	2.96E-07	1.35E-07	2.12E-07	0.00E+00	0.00E+00	5.58E-08	1.11E-08	7.04E-08	1.09E-08	1.65E-08	1.65E-07
5164	478363.1	3864877	5.20E-04	5.60E-04	8.80E-04	1.80E-07	5.43E-07	3.14E-07	3.39E-07	3.07E-07	1.40E-07	2.20E-07	0.00E+00	0.00E+00	5.78E-08	1.15E-08	7.30E-08	1.13E-08	1.71E-08	1.71E-07
5165	478863.1	3864877	5.36E-04	5.78E-04	9.08E-04	1.86E-07	5.61E-07	3.25E-07	3.50E-07	3.17E-07	1.45E-07	2.27E-07	0.00E+00	0.00E+00	5.97E-08	1.19E-08	7.53E-08	1.16E-08	1.76E-08	1.76E-07
5166	479363.1	3864877	5.53E-04	5.96E-04	9.35E-04	1.91E-07	5.78E-07	3.34E-07	3.60E-07	3.27E-07	1.49E-07	2.34E-07	0.00E+00	0.00E+00	6.15E-08	1.22E-08	7.76E-08	1.20E-08	1.81E-08	1.81E-07
5167	479863.1	3864877	5.69E-04	6.14E-04	9.64E-04	1.97E-07	5.95E-07	3.45E-07	3.71E-07	3.37E-07	1.54E-07	2.41E-07	0.00E+00	0.00E+00	6.34E-08	1.26E-08	8.00E-08	1.23E-08	1.87E-08	1.87E-07
5168	480363.1	3864877	5.90E-04	6.36E-04	9.98E-04	2.04E-07	6.16E-07	3.57E-07	3.85E-07	3.49E-07	1.59E-07	2.50E-07	0.00E+00	0.00E+00	6.57E-08	1.31E-08	8.28E-08	1.28E-08	1.93E-08	1.94E-07
5169	480863.1	3864877	6.06E-04	6.53E-04	1.03E-03	2.10E-07	6.33E-07	3.67E-07	3.95E-07	3.58E-07	1.63E-07	2.57E-07	0.00E+00	0.00E+00	6.75E-08	1.34E-08	8.51E-08	1.31E-08	1.99E-08	1.99E-07
5170	481363.1	3864877	6.22E-04	6.70E-04	1.05E-03	2.15E-07	6.50E-07	3.76E-07	4.05E-07	3.67E-07	1.68E-07	2.63E-07	0.00E+00	0.00E+00	6.92E-08	1.38E-08	8.73E-08	1.35E-08	2.04E-08	2.04E-07
5171	481863.1	3864877	6.35E-04	6.84E-04	1.07E-03	2.20E-07	6.64E-07	3.84E-07	4.14E-07	3.75E-07	1.71E-07	2.69E-07	0.00E+00	0.00E+00	7.07E-08	1.41E-08	8.92E-08	1.38E-08	2.08E-08	2.08E-07
5172	482363.1	3864877	6.47E-04	6.97E-04	1.09E-03	2.24E-07	6.76E-07	3.91E-07	4.22E-07	3.82E-07	1.74E-07	2.74E-07	0.00E+00	0.00E+00	7.20E-08	1.43E-08	9.08E-08	1.40E-08	2.12E-08	2.12E-07
5173	482863.1	3864877	6.55E-04	7.06E-04	1.11E-03	2.27E-07	6.84E-07	3.96E-07	4.27E-07	3.87E-07	1.77E-07	2.77E-07	0.00E+00	0.00E+00	7.29E-08	1.45E-08	9.20E-08	1.42E-08	2.14E-08	2.15E-07
5174	483363.1	3864877	6.57E-04	7.08E-04	1.11E-03	2.27E-07	6.87E-07	3.98E-07	4.28E-07	3.88E-07	1.77E-07	2.77E-07	0.00E+00	0.00E+00	7.31E-08	1.45E-08	9.22E-08	1.42E-08	2.15E-08	2.16E-07
5175	483863.1	3864877	6.52E-04	7.03E-04	1.10E-03	2.26E-07	6.82E-07	3.95E-07	4.25E-07	3.85E-07	1.76E-07	2.75E-07	0.00E+00	0.00E+00	7.26E-08	1.44E-08	9.16E-08	1.41E-08	2.13E-08	2.14E-07
5176	484363.1	3864877	6.47E-04	6.97E-04	1.09E-03	2.24E-07	6.76E-07	3.92E-07	4.22E-07	3.82E-07	1.74E-07	2.72E-07	0.00E+00	0.00E+00	7.20E-08	1.43E-08	9.08E-08	1.40E-08	2.11E-08	2.12E-07
5177	484863.1	3864877	6.40E-04	6.90E-04	1.08E-03	2.22E-07	6.69E-07	3.87E-07	4.17E-07	3.78E-07	1.73E-07	2.69E-07	0.00E+00	0.00E+00	7.13E-08	1.42E-08	8.99E-08	1.39E-08	2.08E-08	2.10E-07
5178	485363.1	3864877	6.37E-04	6.86E-04	1.07E-03	2.20E-07	6.66E-07	3.85E-07	4.15E-07	3.76E-07	1.72E-07	2.67E-07	0.00E+00	0.00E+00	7.09E-08	1.41E-08	8.94E-08	1.38E-08	2.07E-08	2.09E-07
5179	485863.1	3864877	6.34E-04	6.82E-04	1.06E-03	2.19E-07	6.63E-07	3.84E-07	4.13E-07	3.74E-07	1.71E-07	2.66E-07	0.00E+00	0.00E+00	7.06E-08	1.40E-08	8.89E-08	1.37E-08	2.06E-08	2.08E-07
5180	486363.1	3864877	6.30E-04	6.79E-04	1.06E-03	2.18E-07	6.59E-07	3.81E-07	4.11E-07	3.72E-07	1.70E-07	2.65E-07	0.00E+00	0.00E+00	7.02E-08	1.39E-08	8.84E-08	1.36E-08	2.05E-08	2.07E-07

5181	486863.1	3864877	6.25E-04	6.73E-04	1.05E-03	2.16E-07	6.53E-07	3.78E-07	4.07E-07	3.69E-07	1.68E-07	2.62E-07	0.00E+00	0.00E+00	6.96E-08	1.38E-08	8.77E-08	1.35E-08	2.03E-08	2.05E-07
5182	487363.1	3864877	6.21E-04	6.68E-04	1.04E-03	2.15E-07	6.49E-07	3.76E-07	4.04E-07	3.67E-07	1.67E-07	2.61E-07	0.00E+00	0.00E+00	6.91E-08	1.37E-08	8.71E-08	1.34E-08	2.02E-08	2.04E-07
5183	487863.1	3864877	6.18E-04	6.65E-04	1.04E-03	2.14E-07	6.46E-07	3.74E-07	4.03E-07	3.65E-07	1.67E-07	2.60E-07	0.00E+00	0.00E+00	6.88E-08	1.37E-08	8.67E-08	1.34E-08	2.01E-08	2.03E-07
5184	488363.1	3864877	6.18E-04	6.65E-04	1.04E-03	2.14E-07	6.46E-07	3.74E-07	4.02E-07	3.65E-07	1.66E-07	2.60E-07	0.00E+00	0.00E+00	6.88E-08	1.37E-08	8.67E-08	1.34E-08	2.01E-08	2.03E-07
5185	488863.1	3864877	6.21E-04	6.69E-04	1.05E-03	2.15E-07	6.49E-07	3.76E-07	4.05E-07	3.67E-07	1.67E-07	2.62E-07	0.00E+00	0.00E+00	6.91E-08	1.37E-08	8.71E-08	1.34E-08	2.03E-08	2.04E-07
5186	489363.1	3864877	6.23E-04	6.72E-04	1.05E-03	2.16E-07	6.51E-07	3.77E-07	4.06E-07	3.68E-07	1.68E-07	2.64E-07	0.00E+00	0.00E+00	6.94E-08	1.38E-08	8.75E-08	1.35E-08	2.04E-08	2.05E-07
5187	489863.1	3864877	6.24E-04	6.73E-04	1.06E-03	2.16E-07	6.52E-07	3.78E-07	4.07E-07	3.69E-07	1.68E-07	2.64E-07	0.00E+00	0.00E+00	6.95E-08	1.38E-08	8.77E-08	1.35E-08	2.05E-08	2.05E-07
5188	490363.1	3864877	6.28E-04	6.77E-04	1.06E-03	2.17E-07	6.56E-07	3.80E-07	4.09E-07	3.71E-07	1.69E-07	2.66E-07	0.00E+00	0.00E+00	6.99E-08	1.39E-08	8.82E-08	1.36E-08	2.06E-08	2.06E-07
5189	490863.1	3864877	6.47E-04	6.98E-04	1.10E-03	2.24E-07	6.76E-07	3.92E-07	4.22E-07	3.83E-07	1.75E-07	2.75E-07	0.00E+00	0.00E+00	7.20E-08	1.43E-08	9.09E-08	1.40E-08	2.13E-08	2.13E-07
5190	491363.1	3864877	6.62E-04	7.14E-04	1.12E-03	2.29E-07	6.92E-07	4.00E-07	4.32E-07	3.91E-07	1.79E-07	2.82E-07	0.00E+00	0.00E+00	7.37E-08	1.47E-08	9.30E-08	1.43E-08	2.18E-08	2.17E-07
5191	491863.1	3864877	6.59E-04	7.11E-04	1.12E-03	2.28E-07	6.89E-07	3.99E-07	4.30E-07	3.90E-07	1.78E-07	2.81E-07	0.00E+00	0.00E+00	7.33E-08	1.46E-08	9.26E-08	1.43E-08	2.17E-08	2.17E-07
5192	492363.1	3864877	2.70E-04	2.91E-04	4.58E-04	9.34E-08	2.82E-07	1.63E-07	1.76E-07	1.59E-07	7.28E-08	1.15E-07	0.00E+00	0.00E+00	3.00E-08	5.97E-09	3.79E-08	5.84E-09	8.87E-09	8.86E-08
5193	492863.1	3864877	3.62E-04	3.91E-04	6.18E-04	1.25E-07	3.79E-07	2.19E-07	2.36E-07	2.14E-07	9.78E-08	1.55E-07	0.00E+00	0.00E+00	4.03E-08	8.03E-09	5.09E-08	7.85E-09	1.20E-08	1.19E-07
5194	493363.1	3864877	3.47E-04	3.74E-04	5.91E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.36E-08	1.48E-07	0.00E+00	0.00E+00	3.86E-08	7.68E-09	4.87E-08	7.51E-09	1.15E-08	1.14E-07
5195	493863.1	3864877	6.36E-04	6.86E-04	1.09E-03	2.20E-07	6.64E-07	3.85E-07	4.15E-07	3.76E-07	1.72E-07	2.72E-07	0.00E+00	0.00E+00	7.08E-08	1.41E-08	8.94E-08	1.38E-08	2.11E-08	2.09E-07
5196	494363.1	3864877	7.04E-04	7.60E-04	1.20E-03	2.44E-07	7.36E-07	4.26E-07	4.60E-07	4.17E-07	1.90E-07	3.01E-07	0.00E+00	0.00E+00	7.84E-08	1.56E-08	9.90E-08	1.53E-08	2.33E-08	2.32E-07
5197	494863.1	3864877	7.10E-04	7.66E-04	1.22E-03	2.46E-07	7.42E-07	4.30E-07	4.64E-07	4.20E-07	1.92E-07	3.04E-07	0.00E+00	0.00E+00	7.90E-08	1.57E-08	9.99E-08	1.54E-08	2.36E-08	2.34E-07
5198	495363.1	3864877	6.82E-04	7.36E-04	1.17E-03	2.36E-07	7.13E-07	4.13E-07	4.45E-07	4.04E-07	1.84E-07	2.92E-07	0.00E+00	0.00E+00	7.59E-08	1.51E-08	9.59E-08	1.48E-08	2.26E-08	2.24E-07
5199	495863.1	3864877	6.50E-04	7.02E-04	1.11E-03	2.25E-07	6.80E-07	3.94E-07	4.25E-07	3.85E-07	1.76E-07	2.79E-07	0.00E+00	0.00E+00	7.24E-08	1.44E-08	9.15E-08	1.41E-08	2.16E-08	2.14E-07
5200	496363.1	3864877	6.29E-04	6.79E-04	1.08E-03	2.18E-07	6.57E-07	3.80E-07	4.11E-07	3.72E-07	1.70E-07	2.70E-07	0.00E+00	0.00E+00	7.00E-08	1.39E-08	8.84E-08	1.36E-08	2.09E-08	2.07E-07
5201	496863.1	3864877	6.18E-04	6.67E-04	1.06E-03	2.14E-07	6.46E-07	3.74E-07	4.03E-07	3.66E-07	1.67E-07	2.65E-07	0.00E+00	0.00E+00	6.88E-08	1.37E-08	8.69E-08	1.34E-08	2.05E-08	2.03E-07
5202	497363.1	3864877	6.13E-04	6.61E-04	1.05E-03	2.12E-07	6.40E-07	3.71E-07	4.00E-07	3.63E-07	1.65E-07	2.63E-07	0.00E+00	0.00E+00	6.82E-08	1.36E-08	8.62E-08	1.33E-08	2.04E-08	2.02E-07
5203	497863.1	3864877	6.12E-04	6.61E-04	1.05E-03	2.12E-07	6.39E-07	3.70E-07	4.00E-07	3.62E-07	1.65E-07	2.63E-07	0.00E+00	0.00E+00	6.81E-08	1.36E-08	8.61E-08	1.33E-08	2.04E-08	2.01E-07
5204	498363.1	3864877	6.11E-04	6.60E-04	1.05E-03	2.12E-07	6.39E-07	3.70E-07	3.99E-07	3.62E-07	1.65E-07	2.63E-07	0.00E+00	0.00E+00	6.80E-08	1.36E-08	8.60E-08	1.33E-08	2.04E-08	2.01E-07
5205	471363.1	3865377	3.21E-04	3.47E-04	5.47E-04	1.11E-07	3.36E-07	1.94E-07	2.10E-07	1.90E-07	8.67E-08	1.37E-07	0.00E+00	0.00E+00	3.58E-08	7.12E-09	4.52E-08	6.97E-09	1.06E-08	1.06E-07
5206	471863.1	3865377	3.28E-04	3.54E-04	5.58E-04	1.14E-07	3.43E-07	1.99E-07	2.14E-07	1.94E-07	8.86E-08	1.40E-07	0.00E+00	0.00E+00	3.65E-08	7.27E-09	4.61E-08	7.11E-09	1.08E-08	1.08E-07
5207	472363.1	3865377	3.35E-04	3.61E-04	5.69E-04	1.16E-07	3.50E-07	2.03E-07	2.19E-07	1.98E-07	9.04E-08	1.42E-07	0.00E+00	0.00E+00	3.73E-08	7.42E-09	4.71E-08	7.26E-09	1.10E-08	1.10E-07
5208	472863.1	3865377	3.43E-04	3.70E-04	5.82E-04	1.19E-07	3.58E-07	2.07E-07	2.24E-07	2.03E-07	9.25E-08	1.46E-07	0.00E+00	0.00E+00	3.82E-08	7.59E-09	4.82E-08	7.43E-09	1.13E-08	1.13E-07
5209	473363.1	3865377	3.50E-04	3.77E-04	5.94E-04	1.21E-07	3.66E-07	2.12E-07	2.28E-07	2.07E-07	9.44E-08	1.49E-07	0.00E+00	0.00E+00	3.90E-08	7.75E-09	4.92E-08	7.58E-09	1.15E-08	1.15E-07
5210	473863.1	3865377	3.58E-04	3.86E-04	6.08E-04	1.24E-07	3.74E-07	2.17E-07	2.34E-07	2.12E-07	9.66E-08	1.52E-07	0.00E+00	0.00E+00	3.99E-08	7.93E-09	5.03E-08	7.76E-09	1.18E-08	1.18E-07
5211	474363.1	3865377	3.68E-04	3.97E-04	6.23E-04	1.27E-07	3.84E-07	2.23E-07	2.40E-07	2.17E-07	9.92E-08	1.56E-07	0.00E+00	0.00E+00	4.09E-08	8.14E-09	5.17E-08	7.97E-09	1.21E-08	1.21E-07
5212	474863.1	3865377	3.79E-04	4.08E-04	6.41E-04	1.31E-07	3.96E-07	2.29E-07	2.47E-07	2.24E-07	1.02E-07	1.60E-07	0.00E+00	0.00E+00	4.21E-08	8.38E-09	5.32E-08	8.20E-09	1.24E-08	1.24E-07
5213	475363.1	3865377	3.90E-04	4.20E-04	6.59E-04	1.35E-07	4.07E-07	2.36E-07	2.54E-07	2.30E-07	1.05E-07	1.65E-07	0.00E+00	0.00E+00	4.34E-08	8.63E-09	5.47E-08	8.44E-09	1.28E-08	1.28E-07
5214	475863.1	3865377	4.04E-04	4.35E-04	6.83E-04	1.40E-07	4.22E-07	2.44E-07	2.63E-07	2.39E-07	1.09E-07	1.71E-07	0.00E+00	0.00E+00	4.49E-08	8.93E-09	5.67E-08	8.74E-09	1.32E-08	1.33E-07
5215	476363.1	3865377	4.22E-04	4.55E-04	7.15E-04	1.46E-07	4.41E-07	2.56E-07	2.75E-07	2.50E-07	1.14E-07	1.79E-07	0.00E+00	0.00E+00	4.70E-08	9.35E-09	5.93E-08	9.15E-09	1.39E-08	1.39E-07
5216	476863.1	3865377	4.29E-04	4.63E-04	7.28E-04	1.49E-07	4.49E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.82E-07	0.00E+00	0.00E+00	4.78E-08	9.50E-09	6.03E-08	9.30E-09	1.41E-08	1.41E-07
5217	477363.1	3865377	4.58E-04	4.93E-04	7.76E-04	1.58E-07	4.78E-07	2.77E-07	2.99E-07	2.71E-07	1.23E-07	1.94E-07	0.00E+00	0.00E+00	5.10E-08	1.01E-08	6.43E-08	9.92E-09	1.50E-08	1.50E-07
5218	477863.1	3865377	4.72E-04	5.08E-04	7.99E-04	1.63E-07	4.93E-07	2.85E-07	3.08E-07	2.79E-07	1.27E-07	2.00E-07	0.00E+00	0.00E+00	5.25E-08	1.04E-08	6.63E-08	1.02E-08	1.55E-08	1.55E-07
5219	478363.1	3865377	4.88E-04	5.26E-04	8.26E-04	1.69E-07	5.10E-07	2.95E-07	3.18E-07	2.88E-07	1.32E-07	2.07E-07	0.00E+00	0.00E+00	5.43E-08	1.08E-08	6.85E-08	1.06E-08	1.60E-08	1.60E-07
5220	478863.1	3865377	5.00E-04	5.39E-04	8.46E-04	1.73E-07	5.23E-07	3.03E-07	3.26E-07	2.96E-07	1.35E-07	2.12E-07	0.00E+00	0.00E+00	5.57E-08	1.11E-08	7.03E-08	1.08E-08	1.64E-08	1.64E-07
5221	479363.1	3865377	5.14E-04	5.54E-04	8.69E-04	1.78E-07	5.37E-07	3.11E-07	3.35E-07	3.04E-07	1.39E-07	2.17E-07	0.00E+00	0.00E+00	5.72E-08	1.14E-08	7.21E-08	1.11E-08	1.68E-08	1.69E-07
5222	479863.1	3865377	5.30E-04	5.71E-04	8.97E-04	1.83E-07	5.54E-07	3.21E-07	3.46E-07	3.13E-07	1.43E-07	2.24E-07	0.00E+00	0.00E+00	5.90E-08	1.17E-08	7.44E-08	1.15E-08	1.74E-08	1.74E-07
5223	480363.1	3865377	5.45E-04	5.87E-04	9.21E-04	1.89E-07	5.69E-07	3.29E-07	3.55E-07	3.22E-07	1.47E-07	2.31E-07	0.00E+00	0.00E+00	6.06E-08	1.21E-08	7.65E-08	1.18E-08	1.79E-08	1.79E-07
5224	480863.1	3865377	5.58E-04	6.02E-04	9.44E-04	1.93E-07	5.84E-07	3.38E-07	3.64E-07	3.30E-07	1.51E-07	2.36E-07	0.00E+00	0.00E+00	6.21E-08	1.24E-08	7.84E-08	1.21E-08	1.83E-08	1.83E-07
5225	481363.1	3865377	5.71E-04	6.16E-04	9.66E-04	1.98E-07	5.97E-07	3.46E-07	3.72E-07	3.38E-07	1.54E-07	2.42E-07	0.00E+00	0.00E+00	6.36E-08	1.26E-08	8.02E-08	1.24E-08	1.87E-08	1.88E-07
5226	481863.1	3865377	5.81E-04	6.27E-04	9.83E-04	2.01E-07	6.08E-07	3.52E-07	3.79E-07	3.44E-07	1.57E-07	2.46E-07	0.00E+00	0.00E+00	6.47E-08	1.29E-08	8.17E-08	1.26E-08	1.90E-08	1.91E-07
5227	482363.1	3865377	5.90E-04	6.35E-04	9.96E-04	2.04E-07	6.16E-07	3.57E-07	3.84E-07	3.49E-07	1.59E-07	2.49E-07	0.00E+00	0.00E+00	6.56E-08	1.31E-08	8.28E-08	1.28E-08	1.93E-08	1.94E-07
5228	482863.1	3865377	5.95E-04	6.41E-04	1.00E-03	2.06E-07	6.22E-07	3.60E-07	3.88E-07	3.51E-07	1.60E-07	2.51E-07	0.00E+00	0.00E+00	6.62E-08	1.32E-08	8.35E-08	1.29E-08	1.94E-08	1.95E-07
5229	483363.1	3865377	5.96E-04	6.42E-04	1.00E-03	2.06E-07	6.23E-07	3.60E-07	3.88E-07	3.52E-07	1.61E-07	2.51E-07	0.00E+00	0.00E+00	6.63E-08	1.32E-08	8.36E-08	1.29E-08	1.95E-08	1.95E-07
5230	483863.1	3865377	5.91E-04	6.37E-04	9.95E-04	2.05E-07	6.18E-07	3.58E-07	3.85E-07	3.49E-07	1.59E-07	2.49E-07	0.00E+00	0.00E+00	6.58E-08	1.31E-08	8.30E-08	1.28E-08	1.93E-08	1.94E-07
5231	484363.1	3865377	5.86E-04	6.31E-04	9.85E-04	2.03E-07	6.13E-07	3.55E-07	3.82E-07	3.46E-07	1.58E-07	2.46E-07	0.00E+00	0.00E+00	6.53E-08	1.30E-08	8.23E-08	1.27E-08	1.91E-08	1.92E-07
5232	484863.1	3865377	5.81E-04	6.26E-04	9.75E-04	2.01E-07	6.07E-07	3.52E-07	3.78E-07	3.43E-07	1.57E-07	2.44E-07	0.00E+00	0.00E+00	6.47E-08	1.28E-08	8.15E-08	1.26E-08	1.89E-08	1.91E-07
5233	485363.1	3865377	5.77E-04	6.21E-04	9.67E-04	2.00E-07	6.03E-07	3.49E-07	3.76E-07	3.41E-07	1.55E-07	2.42E-07	0.00E+00	0.00E+00	6.42E-08	1.28E-08	8.09E-08	1.25E-08	1.87E-08	1.89E-07
5234	485863.1	3865377	5.74E-04	6.17E-04	9.62E-04	1.99E-07	6.00E-07	3.47E-07	3.74E-07	3.39E-07	1.55E-07	2.41E-07	0.00E+00	0.00E+00	6.39E-08	1.27E-08	8.05E-08	1.24E-08	1.86E-08	1.88E-07
5235	486363.1	3865377	5.71E-04	6.15E-04	9.57E-04	1.98E-07	5.97E-07	3.46E-07	3.72E-07	3.37E-07	1.54E-07	2.40E-07	0.00E+00	0.00E+00	6.36E-08	1.26E-08	8.01E-08	1.24E-08	1.86E-08	1.87E-07
5236	486863.1	3865377	5.67E-04	6.10E-04	9.50E-04	1.96E-07	5.92E-07	3.43E-07	3.69E-07	3.35E-07	1.53E-07	2.38E-07	0.00E+00	0.00E+00	6.31E-08	1.25E-08	7.95E-08	1.23E-08	1.84E-08	1.86E-07
5237	487363.1	3865377	5.64E-04	6.07E-04	9.45E-04	1.95E-07	5.89E-07	3.41E-07	3.67E-07	3.33E-07	1.52E-07	2.37E-07	0.00E+00	0.00E+00	6.28E-08	1.25E-08	7.91E-08	1.22E-08	1.83E-08	1.85E-07

5238	487863.1	3865377	5.62E-04	6.05E-04	9.42E-04	1.94E-07	5.87E-07	3.40E-07	3.66E-07	3.32E-07	1.51E-07	2.36E-07	0.00E+00	0.00E+00	6.25E-08	1.24E-08	7.88E-08	1.22E-08	1.83E-08	1.84E-07
5239	488363.1	3865377	5.62E-04	6.06E-04	9.45E-04	1.95E-07	5.88E-07	3.40E-07	3.66E-07	3.32E-07	1.52E-07	2.36E-07	0.00E+00	0.00E+00	6.26E-08	1.24E-08	7.89E-08	1.22E-08	1.83E-08	1.84E-07
5240	488863.1	3865377	5.65E-04	6.09E-04	9.51E-04	1.96E-07	5.91E-07	3.42E-07	3.68E-07	3.34E-07	1.52E-07	2.38E-07	0.00E+00	0.00E+00	6.29E-08	1.25E-08	7.93E-08	1.22E-08	1.84E-08	1.85E-07
5241	489363.1	3865377	5.67E-04	6.11E-04	9.58E-04	1.96E-07	5.93E-07	3.43E-07	3.70E-07	3.35E-07	1.53E-07	2.40E-07	0.00E+00	0.00E+00	6.32E-08	1.26E-08	7.97E-08	1.23E-08	1.86E-08	1.86E-07
5242	489863.1	3865377	5.72E-04	6.16E-04	9.67E-04	1.98E-07	5.98E-07	3.46E-07	3.73E-07	3.38E-07	1.54E-07	2.42E-07	0.00E+00	0.00E+00	6.37E-08	1.27E-08	8.03E-08	1.24E-08	1.87E-08	1.88E-07
5243	490363.1	3865377	5.84E-04	6.30E-04	9.91E-04	2.02E-07	6.11E-07	3.53E-07	3.81E-07	3.45E-07	1.58E-07	2.48E-07	0.00E+00	0.00E+00	6.50E-08	1.29E-08	8.21E-08	1.27E-08	1.92E-08	1.92E-07
5244	490863.1	3865377	5.81E-04	6.27E-04	9.86E-04	2.01E-07	6.07E-07	3.52E-07	3.79E-07	3.44E-07	1.57E-07	2.47E-07	0.00E+00	0.00E+00	6.47E-08	1.29E-08	8.17E-08	1.26E-08	1.91E-08	1.91E-07
5245	491363.1	3865377	5.82E-04	6.27E-04	9.89E-04	2.01E-07	6.08E-07	3.52E-07	3.79E-07	3.44E-07	1.57E-07	2.47E-07	0.00E+00	0.00E+00	6.47E-08	1.29E-08	8.17E-08	1.26E-08	1.92E-08	1.91E-07
5246	491863.1	3865377	5.90E-04	6.36E-04	1.00E-03	2.04E-07	6.16E-07	3.57E-07	3.85E-07	3.49E-07	1.59E-07	2.51E-07	0.00E+00	0.00E+00	6.56E-08	1.31E-08	8.29E-08	1.28E-08	1.95E-08	1.94E-07
5247	492363.1	3865377	5.32E-04	5.74E-04	9.09E-04	1.84E-07	5.56E-07	3.22E-07	3.47E-07	3.15E-07	1.44E-07	2.27E-07	0.00E+00	0.00E+00	5.92E-08	1.18E-08	7.48E-08	1.15E-08	1.76E-08	1.75E-07
5248	492863.1	3865377	4.21E-04	4.55E-04	7.20E-04	1.46E-07	4.40E-07	2.55E-07	2.75E-07	2.49E-07	1.14E-07	1.80E-07	0.00E+00	0.00E+00	4.69E-08	9.34E-09	5.92E-08	9.14E-09	1.40E-08	1.39E-07
5249	493363.1	3865377	3.19E-04	3.44E-04	5.45E-04	1.11E-07	3.34E-07	1.93E-07	2.08E-07	1.89E-07	8.62E-08	1.36E-07	0.00E+00	0.00E+00	3.55E-08	7.08E-09	4.49E-08	6.92E-09	1.06E-08	1.05E-07
5250	493863.1	3865377	4.69E-04	5.06E-04	8.02E-04	1.62E-07	4.90E-07	2.84E-07	3.06E-07	2.77E-07	1.27E-07	2.01E-07	0.00E+00	0.00E+00	5.22E-08	1.04E-08	6.59E-08	1.02E-08	1.56E-08	1.54E-07
5251	494363.1	3865377	5.85E-04	6.32E-04	1.00E-03	2.03E-07	6.12E-07	3.54E-07	3.82E-07	3.47E-07	1.58E-07	2.50E-07	0.00E+00	0.00E+00	6.52E-08	1.30E-08	8.23E-08	1.27E-08	1.94E-08	1.93E-07
5252	494863.1	3865377	6.38E-04	6.88E-04	1.09E-03	2.21E-07	6.66E-07	3.86E-07	4.16E-07	3.77E-07	1.72E-07	2.73E-07	0.00E+00	0.00E+00	7.10E-08	1.41E-08	8.97E-08	1.38E-08	2.11E-08	2.10E-07
5253	495363.1	3865377	6.46E-04	6.97E-04	1.11E-03	2.24E-07	6.75E-07	3.91E-07	4.22E-07	3.82E-07	1.75E-07	2.77E-07	0.00E+00	0.00E+00	7.19E-08	1.43E-08	9.09E-08	1.40E-08	2.14E-08	2.13E-07
5254	495863.1	3865377	6.23E-04	6.72E-04	1.07E-03	2.16E-07	6.51E-07	3.77E-07	4.07E-07	3.69E-07	1.68E-07	2.67E-07	0.00E+00	0.00E+00	6.93E-08	1.38E-08	8.76E-08	1.35E-08	2.07E-08	2.05E-07
5255	496363.1	3865377	5.92E-04	6.39E-04	1.01E-03	2.05E-07	6.19E-07	3.58E-07	3.86E-07	3.50E-07	1.60E-07	2.53E-07	0.00E+00	0.00E+00	6.59E-08	1.31E-08	8.32E-08	1.28E-08	1.96E-08	1.95E-07
5256	496863.1	3865377	5.65E-04	6.09E-04	9.66E-04	1.95E-07	5.90E-07	3.42E-07	3.69E-07	3.34E-07	1.53E-07	2.42E-07	0.00E+00	0.00E+00	6.29E-08	1.25E-08	7.94E-08	1.22E-08	1.87E-08	1.86E-07
5257	497363.1	3865377	5.62E-04	6.06E-04	9.63E-04	1.94E-07	5.87E-07	3.40E-07	3.67E-07	3.33E-07	1.52E-07	2.41E-07	0.00E+00	0.00E+00	6.25E-08	1.25E-08	7.90E-08	1.22E-08	1.87E-08	1.85E-07
5258	497863.1	3865377	5.57E-04	6.01E-04	9.55E-04	1.93E-07	5.82E-07	3.37E-07	3.64E-07	3.30E-07	1.50E-07	2.39E-07	0.00E+00	0.00E+00	6.20E-08	1.23E-08	7.83E-08	1.21E-08	1.85E-08	1.83E-07
5259	498363.1	3865377	5.57E-04	6.02E-04	9.56E-04	1.93E-07	5.82E-07	3.37E-07	3.64E-07	3.30E-07	1.51E-07	2.39E-07	0.00E+00	0.00E+00	6.20E-08	1.24E-08	7.84E-08	1.21E-08	1.85E-08	1.83E-07
5260	471363.1	3865877	3.04E-04	3.27E-04	5.16E-04	1.05E-07	3.17E-07	1.84E-07	1.98E-07	1.80E-07	8.20E-08	1.29E-07	0.00E+00	0.00E+00	3.38E-08	6.72E-09	4.27E-08	6.58E-09	1.00E-08	9.98E-08
5261	471863.1	3865877	3.09E-04	3.33E-04	5.24E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.34E-08	1.31E-07	0.00E+00	0.00E+00	3.44E-08	6.84E-09	4.34E-08	6.69E-09	1.02E-08	1.01E-07
5262	472363.1	3865877	3.16E-04	3.41E-04	5.36E-04	1.09E-07	3.30E-07	1.91E-07	2.06E-07	1.87E-07	8.52E-08	1.34E-07	0.00E+00	0.00E+00	3.52E-08	6.99E-09	4.44E-08	6.84E-09	1.04E-08	1.04E-07
5263	472863.1	3865877	3.21E-04	3.46E-04	5.45E-04	1.11E-07	3.36E-07	1.94E-07	2.10E-07	1.90E-07	8.67E-08	1.36E-07	0.00E+00	0.00E+00	3.58E-08	7.11E-09	4.51E-08	6.96E-09	1.06E-08	1.06E-07
5264	473363.1	3865877	3.28E-04	3.54E-04	5.56E-04	1.14E-07	3.43E-07	1.99E-07	2.14E-07	1.94E-07	8.85E-08	1.39E-07	0.00E+00	0.00E+00	3.65E-08	7.27E-09	4.61E-08	7.11E-09	1.08E-08	1.08E-07
5265	473863.1	3865877	3.37E-04	3.64E-04	5.71E-04	1.17E-07	3.53E-07	2.04E-07	2.20E-07	1.99E-07	9.10E-08	1.43E-07	0.00E+00	0.00E+00	3.75E-08	7.47E-09	4.74E-08	7.31E-09	1.11E-08	1.11E-07
5266	474363.1	3865877	3.47E-04	3.74E-04	5.87E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.35E-08	1.47E-07	0.00E+00	0.00E+00	3.86E-08	7.67E-09	4.87E-08	7.51E-09	1.14E-08	1.14E-07
5267	474863.1	3865877	3.58E-04	3.86E-04	6.06E-04	1.24E-07	3.74E-07	2.17E-07	2.33E-07	2.12E-07	9.66E-08	1.52E-07	0.00E+00	0.00E+00	3.99E-08	7.92E-09	5.03E-08	7.75E-09	1.17E-08	1.18E-07
5268	475363.1	3865877	3.70E-04	3.99E-04	6.25E-04	1.28E-07	3.87E-07	2.24E-07	2.41E-07	2.19E-07	9.98E-08	1.57E-07	0.00E+00	0.00E+00	4.12E-08	8.19E-09	5.19E-08	8.01E-09	1.21E-08	1.21E-07
5269	475863.1	3865877	3.84E-04	4.14E-04	6.49E-04	1.33E-07	4.01E-07	2.32E-07	2.50E-07	2.27E-07	1.04E-07	1.63E-07	0.00E+00	0.00E+00	4.27E-08	8.50E-09	5.39E-08	8.32E-09	1.26E-08	1.26E-07
5270	476363.1	3865877	4.01E-04	4.33E-04	6.80E-04	1.39E-07	4.19E-07	2.43E-07	2.62E-07	2.37E-07	1.08E-07	1.70E-07	0.00E+00	0.00E+00	4.47E-08	8.88E-09	5.64E-08	8.69E-09	1.32E-08	1.32E-07
5271	476863.1	3865877	4.08E-04	4.39E-04	6.92E-04	1.41E-07	4.26E-07	2.47E-07	2.66E-07	2.41E-07	1.10E-07	1.73E-07	0.00E+00	0.00E+00	4.54E-08	9.02E-09	5.73E-08	8.83E-09	1.34E-08	1.34E-07
5272	477363.1	3865877	4.35E-04	4.68E-04	7.36E-04	1.50E-07	4.54E-07	2.63E-07	2.83E-07	2.57E-07	1.17E-07	1.84E-07	0.00E+00	0.00E+00	4.84E-08	9.62E-09	6.10E-08	9.41E-09	1.43E-08	1.43E-07
5273	477863.1	3865877	4.46E-04	4.80E-04	7.55E-04	1.54E-07	4.66E-07	2.70E-07	2.91E-07	2.63E-07	1.20E-07	1.89E-07	0.00E+00	0.00E+00	4.96E-08	9.86E-09	6.26E-08	9.65E-09	1.46E-08	1.46E-07
5274	478363.1	3865877	4.58E-04	4.93E-04	7.74E-04	1.58E-07	4.78E-07	2.77E-07	2.98E-07	2.70E-07	1.23E-07	1.94E-07	0.00E+00	0.00E+00	5.09E-08	1.01E-08	6.43E-08	9.91E-09	1.50E-08	1.50E-07
5275	478863.1	3865877	4.68E-04	5.05E-04	7.92E-04	1.62E-07	4.89E-07	2.83E-07	3.05E-07	2.77E-07	1.26E-07	1.98E-07	0.00E+00	0.00E+00	5.21E-08	1.04E-08	6.58E-08	1.01E-08	1.53E-08	1.54E-07
5276	479363.1	3865877	4.80E-04	5.18E-04	8.12E-04	1.66E-07	5.02E-07	2.91E-07	3.13E-07	2.84E-07	1.30E-07	2.03E-07	0.00E+00	0.00E+00	5.35E-08	1.06E-08	6.74E-08	1.04E-08	1.57E-08	1.58E-07
5277	479863.1	3865877	4.93E-04	5.31E-04	8.34E-04	1.71E-07	5.15E-07	2.98E-07	3.21E-07	2.91E-07	1.33E-07	2.09E-07	0.00E+00	0.00E+00	5.49E-08	1.09E-08	6.92E-08	1.07E-08	1.62E-08	1.62E-07
5278	480363.1	3865877	5.06E-04	5.45E-04	8.56E-04	1.75E-07	5.29E-07	3.06E-07	3.30E-07	2.99E-07	1.36E-07	2.14E-07	0.00E+00	0.00E+00	5.63E-08	1.12E-08	7.10E-08	1.10E-08	1.66E-08	1.66E-07
5279	480863.1	3865877	5.18E-04	5.58E-04	8.76E-04	1.79E-07	5.41E-07	3.13E-07	3.38E-07	3.06E-07	1.40E-07	2.19E-07	0.00E+00	0.00E+00	5.76E-08	1.15E-08	7.27E-08	1.12E-08	1.70E-08	1.70E-07
5280	481363.1	3865877	5.27E-04	5.68E-04	8.90E-04	1.82E-07	5.51E-07	3.19E-07	3.43E-07	3.11E-07	1.42E-07	2.23E-07	0.00E+00	0.00E+00	5.86E-08	1.17E-08	7.40E-08	1.14E-08	1.73E-08	1.73E-07
5281	481863.1	3865877	5.34E-04	5.76E-04	9.03E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.26E-07	0.00E+00	0.00E+00	5.95E-08	1.18E-08	7.50E-08	1.16E-08	1.75E-08	1.75E-07
5282	482363.1	3865877	5.40E-04	5.82E-04	9.12E-04	1.87E-07	5.65E-07	3.27E-07	3.52E-07	3.19E-07	1.46E-07	2.28E-07	0.00E+00	0.00E+00	6.01E-08	1.20E-08	7.58E-08	1.17E-08	1.77E-08	1.77E-07
5283	482863.1	3865877	5.44E-04	5.86E-04	9.17E-04	1.88E-07	5.68E-07	3.29E-07	3.54E-07	3.21E-07	1.47E-07	2.29E-07	0.00E+00	0.00E+00	6.05E-08	1.20E-08	7.63E-08	1.18E-08	1.78E-08	1.78E-07
5284	483363.1	3865877	5.44E-04	5.86E-04	9.16E-04	1.88E-07	5.68E-07	3.29E-07	3.54E-07	3.21E-07	1.47E-07	2.29E-07	0.00E+00	0.00E+00	6.05E-08	1.20E-08	7.63E-08	1.18E-08	1.77E-08	1.78E-07
5285	483863.1	3865877	5.41E-04	5.82E-04	9.09E-04	1.87E-07	5.65E-07	3.27E-07	3.52E-07	3.19E-07	1.46E-07	2.27E-07	0.00E+00	0.00E+00	6.02E-08	1.20E-08	7.59E-08	1.17E-08	1.76E-08	1.77E-07
5286	484363.1	3865877	5.37E-04	5.78E-04	9.00E-04	1.86E-07	5.61E-07	3.25E-07	3.50E-07	3.17E-07	1.45E-07	2.25E-07	0.00E+00	0.00E+00	5.97E-08	1.19E-08	7.53E-08	1.16E-08	1.75E-08	1.76E-07
5287	484863.1	3865877	5.30E-04	5.70E-04	8.88E-04	1.83E-07	5.54E-07	3.21E-07	3.45E-07	3.13E-07	1.43E-07	2.22E-07	0.00E+00	0.00E+00	5.90E-08	1.17E-08	7.43E-08	1.15E-08	1.72E-08	1.74E-07
5288	485363.1	3865877	5.25E-04	5.65E-04	8.80E-04	1.82E-07	5.49E-07	3.18E-07	3.42E-07	3.10E-07	1.42E-07	2.20E-07	0.00E+00	0.00E+00	5.85E-08	1.16E-08	7.37E-08	1.14E-08	1.71E-08	1.72E-07
5289	485863.1	3865877	5.22E-04	5.62E-04	8.75E-04	1.81E-07	5.46E-07	3.16E-07	3.40E-07	3.08E-07	1.41E-07	2.19E-07	0.00E+00	0.00E+00	5.81E-08	1.15E-08	7.32E-08	1.13E-08	1.70E-08	1.71E-07
5290	486363.1	3865877	5.19E-04	5.59E-04	8.69E-04	1.80E-07	5.43E-07	3.14E-07	3.38E-07	3.06E-07	1.40E-07	2.18E-07	0.00E+00	0.00E+00	5.78E-08	1.15E-08	7.28E-08	1.12E-08	1.68E-08	1.70E-07
5291	486863.1	3865877	5.16E-04	5.56E-04	8.64E-04	1.79E-07	5.40E-07	3.12E-07	3.36E-07	3.05E-07	1.39E-07	2.16E-07	0.00E+00	0.00E+00	5.75E-08	1.14E-08	7.24E-08	1.12E-08	1.68E-08	1.69E-07
5292	487363.1	3865877	5.14E-04	5.54E-04	8.62E-04	1.78E-07	5.38E-07	3.11E-07	3.35E-07	3.04E-07	1.39E-07	2.16E-07	0.00E+00	0.00E+00	5.73E-08	1.14E-08	7.22E-08	1.11E-08	1.67E-08	1.69E-07
5293	487863.1	3865877	5.15E-04	5.55E-04	8.64E-04	1.78E-07	5.39E-07	3.12E-07	3.36E-07	3.04E-07	1.39E-07	2.16E-07	0.00E+00	0.00E+00	5.74E-08	1.14E-08	7.23E-08	1.11E-08	1.67E-08	1.69E-07
5294	488363.1	3865877	5.15E-04	5.55E-04	8.65E-04	1.78E-07	5.38E-07	3.12E-07	3.36E-07	3.04E-07	1.39E-07	2.16E-07	0.00E+00	0.00E+00	5.73E-08	1.14E-08	7.23E-08	1.11E-08	1.68E-08	1.69E-07

5295	488863.1	3865877	5.18E-04	5.58E-04	8.72E-04	1.79E-07	5.42E-07	3.14E-07	3.38E-07	3.06E-07	1.40E-07	2.18E-07	0.00E+00	0.00E+00	5.77E-08	1.15E-08	7.27E-08	1.12E-08	1.69E-08	1.70E-07
5296	489363.1	3865877	5.21E-04	5.61E-04	8.79E-04	1.80E-07	5.45E-07	3.15E-07	3.40E-07	3.08E-07	1.41E-07	2.20E-07	0.00E+00	0.00E+00	5.80E-08	1.15E-08	7.32E-08	1.13E-08	1.70E-08	1.71E-07
5297	489863.1	3865877	5.23E-04	5.64E-04	8.84E-04	1.81E-07	5.47E-07	3.17E-07	3.41E-07	3.09E-07	1.41E-07	2.21E-07	0.00E+00	0.00E+00	5.83E-08	1.16E-08	7.35E-08	1.13E-08	1.71E-08	1.72E-07
5298	490363.1	3865877	5.30E-04	5.71E-04	8.97E-04	1.83E-07	5.54E-07	3.21E-07	3.46E-07	3.13E-07	1.43E-07	2.24E-07	0.00E+00	0.00E+00	5.90E-08	1.17E-08	7.44E-08	1.15E-08	1.74E-08	1.74E-07
5299	490863.1	3865877	5.34E-04	5.76E-04	9.06E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.27E-07	0.00E+00	0.00E+00	5.94E-08	1.18E-08	7.50E-08	1.16E-08	1.76E-08	1.75E-07
5300	491363.1	3865877	5.24E-04	5.65E-04	8.91E-04	1.81E-07	5.48E-07	3.17E-07	3.42E-07	3.10E-07	1.41E-07	2.23E-07	0.00E+00	0.00E+00	5.84E-08	1.16E-08	7.37E-08	1.14E-08	1.73E-08	1.72E-07
5301	491863.1	3865877	5.24E-04	5.65E-04	8.93E-04	1.81E-07	5.48E-07	3.17E-07	3.42E-07	3.10E-07	1.41E-07	2.23E-07	0.00E+00	0.00E+00	5.83E-08	1.16E-08	7.37E-08	1.14E-08	1.73E-08	1.72E-07
5302	492363.1	3865877	5.13E-04	5.53E-04	8.75E-04	1.78E-07	5.36E-07	3.10E-07	3.35E-07	3.04E-07	1.39E-07	2.19E-07	0.00E+00	0.00E+00	5.71E-08	1.14E-08	7.21E-08	1.11E-08	1.70E-08	1.69E-07
5303	492863.1	3865877	4.15E-04	4.47E-04	7.08E-04	1.44E-07	4.33E-07	2.51E-07	2.71E-07	2.45E-07	1.12E-07	1.77E-07	0.00E+00	0.00E+00	4.61E-08	9.19E-09	5.83E-08	8.99E-09	1.37E-08	1.36E-07
5304	493363.1	3865877	4.13E-04	4.46E-04	7.06E-04	1.43E-07	4.32E-07	2.50E-07	2.70E-07	2.45E-07	1.12E-07	1.77E-07	0.00E+00	0.00E+00	4.60E-08	9.16E-09	5.81E-08	8.96E-09	1.37E-08	1.36E-07
5305	493863.1	3865877	4.56E-04	4.92E-04	7.80E-04	1.58E-07	4.77E-07	2.76E-07	2.98E-07	2.70E-07	1.23E-07	1.95E-07	0.00E+00	0.00E+00	5.08E-08	1.01E-08	6.41E-08	9.89E-09	1.51E-08	1.50E-07
5306	494363.1	3865877	4.99E-04	5.38E-04	8.51E-04	1.73E-07	5.21E-07	3.02E-07	3.25E-07	2.95E-07	1.35E-07	2.13E-07	0.00E+00	0.00E+00	5.55E-08	1.10E-08	7.01E-08	1.08E-08	1.65E-08	1.64E-07
5307	494863.1	3865877	5.54E-04	5.98E-04	9.46E-04	1.92E-07	5.79E-07	3.35E-07	3.62E-07	3.28E-07	1.50E-07	2.37E-07	0.00E+00	0.00E+00	6.17E-08	1.23E-08	7.79E-08	1.20E-08	1.83E-08	1.82E-07
5308	495363.1	3865877	5.84E-04	6.30E-04	9.99E-04	2.02E-07	6.11E-07	3.53E-07	3.81E-07	3.46E-07	1.58E-07	2.50E-07	0.00E+00	0.00E+00	6.50E-08	1.29E-08	8.21E-08	1.27E-08	1.94E-08	1.92E-07
5309	495863.1	3865877	5.91E-04	6.38E-04	1.01E-03	2.05E-07	6.18E-07	3.58E-07	3.86E-07	3.50E-07	1.60E-07	2.53E-07	0.00E+00	0.00E+00	6.58E-08	1.31E-08	8.31E-08	1.28E-08	1.96E-08	1.94E-07
5310	496363.1	3865877	5.72E-04	6.17E-04	9.79E-04	1.98E-07	5.98E-07	3.46E-07	3.74E-07	3.39E-07	1.55E-07	2.45E-07	0.00E+00	0.00E+00	6.37E-08	1.27E-08	8.05E-08	1.24E-08	1.90E-08	1.88E-07
5311	496863.1	3865877	5.35E-04	5.78E-04	9.16E-04	1.85E-07	5.59E-07	3.24E-07	3.50E-07	3.17E-07	1.45E-07	2.29E-07	0.00E+00	0.00E+00	5.96E-08	1.19E-08	7.53E-08	1.16E-08	1.77E-08	1.76E-07
5312	497363.1	3865877	5.13E-04	5.54E-04	8.77E-04	1.78E-07	5.36E-07	3.10E-07	3.35E-07	3.04E-07	1.39E-07	2.20E-07	0.00E+00	0.00E+00	5.71E-08	1.14E-08	7.22E-08	1.11E-08	1.70E-08	1.69E-07
5313	497863.1	3865877	5.06E-04	5.46E-04	8.65E-04	1.75E-07	5.29E-07	3.06E-07	3.30E-07	3.00E-07	1.37E-07	2.16E-07	0.00E+00	0.00E+00	5.63E-08	1.12E-08	7.12E-08	1.10E-08	1.68E-08	1.66E-07
5314	498363.1	3865877	5.00E-04	5.40E-04	8.55E-04	1.73E-07	5.23E-07	3.03E-07	3.27E-07	2.96E-07	1.35E-07	2.14E-07	0.00E+00	0.00E+00	5.57E-08	1.11E-08	7.04E-08	1.08E-08	1.66E-08	1.65E-07
5315	471363.1	3866377	2.86E-04	3.08E-04	4.85E-04	9.89E-08	2.99E-07	1.73E-07	1.86E-07	1.69E-07	7.71E-08	1.21E-07	0.00E+00	0.00E+00	3.18E-08	6.33E-09	4.02E-08	6.19E-09	9.39E-09	9.39E-08
5316	471863.1	3866377	2.91E-04	3.14E-04	4.94E-04	1.01E-07	3.05E-07	1.76E-07	1.90E-07	1.72E-07	7.86E-08	1.24E-07	0.00E+00	0.00E+00	3.24E-08	6.45E-09	4.09E-08	6.31E-09	9.57E-09	9.57E-08
5317	472363.1	3866377	2.97E-04	3.20E-04	5.03E-04	1.03E-07	3.10E-07	1.80E-07	1.94E-07	1.76E-07	8.01E-08	1.26E-07	0.00E+00	0.00E+00	3.31E-08	6.58E-09	4.17E-08	6.43E-09	9.75E-09	9.76E-08
5318	472863.1	3866377	3.03E-04	3.26E-04	5.12E-04	1.05E-07	3.16E-07	1.83E-07	1.97E-07	1.79E-07	8.16E-08	1.28E-07	0.00E+00	0.00E+00	3.37E-08	6.70E-09	4.25E-08	6.55E-09	9.93E-09	9.94E-08
5319	473363.1	3866377	3.11E-04	3.35E-04	5.26E-04	1.08E-07	3.25E-07	1.88E-07	2.03E-07	1.84E-07	8.38E-08	1.32E-07	0.00E+00	0.00E+00	3.46E-08	6.88E-09	4.36E-08	6.73E-09	1.02E-08	1.02E-07
5320	473863.1	3866377	3.19E-04	3.44E-04	5.40E-04	1.11E-07	3.34E-07	1.93E-07	2.08E-07	1.89E-07	8.61E-08	1.35E-07	0.00E+00	0.00E+00	3.55E-08	7.07E-09	4.48E-08	6.92E-09	1.05E-08	1.05E-07
5321	474363.1	3866377	3.29E-04	3.55E-04	5.57E-04	1.14E-07	3.44E-07	1.99E-07	2.15E-07	1.95E-07	8.88E-08	1.39E-07	0.00E+00	0.00E+00	3.66E-08	7.29E-09	4.62E-08	7.13E-09	1.08E-08	1.08E-07
5322	474863.1	3866377	3.41E-04	3.67E-04	5.76E-04	1.18E-07	3.56E-07	2.06E-07	2.22E-07	2.01E-07	9.18E-08	1.44E-07	0.00E+00	0.00E+00	3.79E-08	7.54E-09	4.78E-08	7.37E-09	1.12E-08	1.12E-07
5323	475363.1	3866377	3.52E-04	3.79E-04	5.95E-04	1.22E-07	3.68E-07	2.13E-07	2.30E-07	2.08E-07	9.50E-08	1.49E-07	0.00E+00	0.00E+00	3.92E-08	7.79E-09	4.94E-08	7.62E-09	1.15E-08	1.16E-07
5324	475863.1	3866377	3.65E-04	3.93E-04	6.17E-04	1.26E-07	3.81E-07	2.21E-07	2.38E-07	2.16E-07	9.84E-08	1.54E-07	0.00E+00	0.00E+00	4.06E-08	8.07E-09	5.12E-08	7.90E-09	1.20E-08	1.20E-07
5325	476363.1	3866377	3.83E-04	4.13E-04	6.49E-04	1.33E-07	4.01E-07	2.32E-07	2.50E-07	2.27E-07	1.03E-07	1.62E-07	0.00E+00	0.00E+00	4.27E-08	8.48E-09	5.38E-08	8.30E-09	1.26E-08	1.26E-07
5326	476863.1	3866377	3.84E-04	4.14E-04	6.52E-04	1.33E-07	4.01E-07	2.32E-07	2.51E-07	2.27E-07	1.04E-07	1.63E-07	0.00E+00	0.00E+00	4.28E-08	8.50E-09	5.40E-08	8.32E-09	1.26E-08	1.26E-07
5327	477363.1	3866377	4.09E-04	4.41E-04	6.94E-04	1.42E-07	4.28E-07	2.48E-07	2.67E-07	2.42E-07	1.10E-07	1.74E-07	0.00E+00	0.00E+00	4.56E-08	9.06E-09	5.75E-08	8.87E-09	1.34E-08	1.34E-07
5328	477863.1	3866377	4.22E-04	4.55E-04	7.14E-04	1.46E-07	4.41E-07	2.55E-07	2.75E-07	2.50E-07	1.14E-07	1.79E-07	0.00E+00	0.00E+00	4.70E-08	9.34E-09	5.93E-08	9.14E-09	1.38E-08	1.39E-07
5329	478363.1	3866377	4.30E-04	4.63E-04	7.27E-04	1.49E-07	4.49E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.82E-07	0.00E+00	0.00E+00	4.78E-08	9.51E-09	6.03E-08	9.31E-09	1.41E-08	1.41E-07
5330	478863.1	3866377	4.40E-04	4.74E-04	7.43E-04	1.52E-07	4.60E-07	2.66E-07	2.87E-07	2.60E-07	1.19E-07	1.86E-07	0.00E+00	0.00E+00	4.89E-08	9.73E-09	6.17E-08	9.52E-09	1.44E-08	1.44E-07
5331	479363.1	3866377	4.51E-04	4.86E-04	7.62E-04	1.56E-07	4.71E-07	2.73E-07	2.94E-07	2.67E-07	1.22E-07	1.91E-07	0.00E+00	0.00E+00	5.02E-08	9.98E-09	6.33E-08	9.77E-09	1.48E-08	1.48E-07
5332	479863.1	3866377	4.64E-04	5.00E-04	7.85E-04	1.61E-07	4.85E-07	2.81E-07	3.03E-07	2.74E-07	1.25E-07	1.96E-07	0.00E+00	0.00E+00	5.17E-08	1.03E-08	6.52E-08	1.00E-08	1.52E-08	1.52E-07
5333	480363.1	3866377	4.76E-04	5.13E-04	8.04E-04	1.65E-07	4.97E-07	2.88E-07	3.10E-07	2.81E-07	1.28E-07	2.01E-07	0.00E+00	0.00E+00	5.29E-08	1.05E-08	6.68E-08	1.03E-08	1.56E-08	1.56E-07
5334	480863.1	3866377	4.83E-04	5.21E-04	8.17E-04	1.67E-07	5.05E-07	2.92E-07	3.15E-07	2.86E-07	1.30E-07	2.04E-07	0.00E+00	0.00E+00	5.38E-08	1.07E-08	6.79E-08	1.05E-08	1.58E-08	1.59E-07
5335	481363.1	3866377	4.90E-04	5.28E-04	8.28E-04	1.70E-07	5.12E-07	2.96E-07	3.19E-07	2.90E-07	1.32E-07	2.07E-07	0.00E+00	0.00E+00	5.45E-08	1.08E-08	6.88E-08	1.06E-08	1.60E-08	1.61E-07
5336	481863.1	3866377	4.94E-04	5.32E-04	8.34E-04	1.71E-07	5.16E-07	2.99E-07	3.22E-07	2.92E-07	1.33E-07	2.09E-07	0.00E+00	0.00E+00	5.50E-08	1.09E-08	6.93E-08	1.07E-08	1.62E-08	1.62E-07
5337	482363.1	3866377	4.97E-04	5.36E-04	8.39E-04	1.72E-07	5.20E-07	3.01E-07	3.24E-07	2.94E-07	1.34E-07	2.10E-07	0.00E+00	0.00E+00	5.53E-08	1.10E-08	6.98E-08	1.08E-08	1.63E-08	1.63E-07
5338	482863.1	3866377	5.00E-04	5.39E-04	8.43E-04	1.73E-07	5.23E-07	3.03E-07	3.26E-07	2.96E-07	1.35E-07	2.11E-07	0.00E+00	0.00E+00	5.57E-08	1.11E-08	7.02E-08	1.08E-08	1.63E-08	1.64E-07
5339	483363.1	3866377	5.00E-04	5.38E-04	8.41E-04	1.73E-07	5.22E-07	3.02E-07	3.26E-07	2.95E-07	1.35E-07	2.10E-07	0.00E+00	0.00E+00	5.56E-08	1.11E-08	7.01E-08	1.08E-08	1.63E-08	1.64E-07
5340	483863.1	3866377	4.97E-04	5.35E-04	8.34E-04	1.72E-07	5.19E-07	3.00E-07	3.23E-07	2.93E-07	1.34E-07	2.09E-07	0.00E+00	0.00E+00	5.53E-08	1.10E-08	6.97E-08	1.07E-08	1.62E-08	1.63E-07
5341	484363.1	3866377	4.91E-04	5.29E-04	8.24E-04	1.70E-07	5.14E-07	2.97E-07	3.20E-07	2.90E-07	1.32E-07	2.06E-07	0.00E+00	0.00E+00	5.47E-08	1.09E-08	6.89E-08	1.06E-08	1.60E-08	1.61E-07
5342	484863.1	3866377	4.87E-04	5.24E-04	8.16E-04	1.69E-07	5.09E-07	2.95E-07	3.17E-07	2.88E-07	1.31E-07	2.04E-07	0.00E+00	0.00E+00	5.42E-08	1.08E-08	6.83E-08	1.05E-08	1.58E-08	1.60E-07
5343	485363.1	3866377	4.81E-04	5.18E-04	8.06E-04	1.67E-07	5.03E-07	2.91E-07	3.14E-07	2.84E-07	1.30E-07	2.02E-07	0.00E+00	0.00E+00	5.36E-08	1.06E-08	6.75E-08	1.04E-08	1.56E-08	1.58E-07
5344	485863.1	3866377	4.77E-04	5.13E-04	7.98E-04	1.65E-07	4.98E-07	2.88E-07	3.11E-07	2.81E-07	1.28E-07	2.00E-07	0.00E+00	0.00E+00	5.31E-08	1.05E-08	6.69E-08	1.03E-08	1.55E-08	1.56E-07
5345	486363.1	3866377	4.74E-04	5.10E-04	7.94E-04	1.64E-07	4.96E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	1.99E-07	0.00E+00	0.00E+00	5.28E-08	1.05E-08	6.65E-08	1.03E-08	1.54E-08	1.55E-07
5346	486863.1	3866377	4.74E-04	5.10E-04	7.93E-04	1.64E-07	4.95E-07	2.87E-07	3.09E-07	2.80E-07	1.28E-07	1.98E-07	0.00E+00	0.00E+00	5.27E-08	1.05E-08	6.65E-08	1.02E-08	1.54E-08	1.55E-07
5347	487363.1	3866377	4.81E-04	5.18E-04	8.06E-04	1.67E-07	5.03E-07	2.91E-07	3.13E-07	2.84E-07	1.30E-07	2.02E-07	0.00E+00	0.00E+00	5.35E-08	1.06E-08	6.75E-08	1.04E-08	1.56E-08	1.58E-07
5348	487863.1	3866377	4.85E-04	5.22E-04	8.13E-04	1.68E-07	5.07E-07	2.93E-07	3.16E-07	2.86E-07	1.31E-07	2.03E-07	0.00E+00	0.00E+00	5.40E-08	1.07E-08	6.80E-08	1.05E-08	1.58E-08	1.59E-07
5349	488363.1	3866377	4.85E-04	5.22E-04	8.14E-04	1.68E-07	5.07E-07	2.93E-07	3.16E-07	2.86E-07	1.31E-07	2.04E-07	0.00E+00	0.00E+00	5.40E-08	1.07E-08	6.81E-08	1.05E-08	1.58E-08	1.59E-07
5350	488863.1	3866377	4.87E-04	5.25E-04	8.21E-04	1.69E-07	5.09E-07	2.95E-07	3.18E-07	2.88E-07	1.31E-07	2.05E-07	0.00E+00	0.00E+00	5.43E-08	1.08E-08	6.84E-08	1.06E-08	1.59E-08	1.60E-07
5351	489363.1	3866377	4.86E-04	5.24E-04	8.21E-04	1.68E-07	5.08E-07	2.94E-07	3.17E-07	2.87E-07	1.31E-07	2.05E-07	0.00E+00	0.00E+00	5.41E-08	1.08E-08	6.83E-08	1.05E-08	1.59E-08	1.60E-07

5352	489863.1	3866377	4.75E-04	5.12E-04	8.04E-04	1.65E-07	4.97E-07	2.88E-07	3.10E-07	2.81E-07	1.28E-07	2.01E-07	0.00E+00	0.00E+00	5.29E-08	1.05E-08	6.68E-08	1.03E-08	1.56E-08	1.56E-07
5353	490363.1	3866377	4.85E-04	5.22E-04	8.19E-04	1.68E-07	5.07E-07	2.93E-07	3.16E-07	2.86E-07	1.31E-07	2.05E-07	0.00E+00	0.00E+00	5.40E-08	1.07E-08	6.81E-08	1.05E-08	1.59E-08	1.59E-07
5354	490863.1	3866377	4.86E-04	5.24E-04	8.22E-04	1.68E-07	5.08E-07	2.94E-07	3.17E-07	2.87E-07	1.31E-07	2.06E-07	0.00E+00	0.00E+00	5.41E-08	1.08E-08	6.83E-08	1.05E-08	1.59E-08	1.60E-07
5355	491363.1	3866377	4.93E-04	5.31E-04	8.36E-04	1.71E-07	5.15E-07	2.98E-07	3.21E-07	2.91E-07	1.33E-07	2.09E-07	0.00E+00	0.00E+00	5.48E-08	1.09E-08	6.92E-08	1.07E-08	1.62E-08	1.62E-07
5356	491863.1	3866377	4.67E-04	5.03E-04	7.95E-04	1.62E-07	4.88E-07	2.82E-07	3.05E-07	2.76E-07	1.26E-07	1.99E-07	0.00E+00	0.00E+00	5.20E-08	1.03E-08	6.56E-08	1.01E-08	1.54E-08	1.53E-07
5357	492363.1	3866377	4.70E-04	5.07E-04	8.02E-04	1.63E-07	4.92E-07	2.85E-07	3.07E-07	2.78E-07	1.27E-07	2.01E-07	0.00E+00	0.00E+00	5.23E-08	1.04E-08	6.61E-08	1.02E-08	1.55E-08	1.55E-07
5358	492863.1	3866377	4.36E-04	4.70E-04	7.45E-04	1.51E-07	4.56E-07	2.64E-07	2.85E-07	2.58E-07	1.18E-07	1.86E-07	0.00E+00	0.00E+00	4.85E-08	9.66E-09	6.13E-08	9.45E-09	1.44E-08	1.43E-07
5359	493363.1	3866377	4.58E-04	4.94E-04	7.81E-04	1.58E-07	4.78E-07	2.77E-07	2.99E-07	2.71E-07	1.24E-07	1.95E-07	0.00E+00	0.00E+00	5.10E-08	1.01E-08	6.44E-08	9.92E-09	1.51E-08	1.51E-07
5360	493863.1	3866377	4.79E-04	5.17E-04	8.18E-04	1.66E-07	5.01E-07	2.90E-07	3.13E-07	2.83E-07	1.29E-07	2.05E-07	0.00E+00	0.00E+00	5.33E-08	1.06E-08	6.73E-08	1.04E-08	1.58E-08	1.58E-07
5361	494363.1	3866377	4.88E-04	5.26E-04	8.31E-04	1.69E-07	5.10E-07	2.95E-07	3.18E-07	2.88E-07	1.32E-07	2.08E-07	0.00E+00	0.00E+00	5.43E-08	1.08E-08	6.85E-08	1.06E-08	1.61E-08	1.60E-07
5362	494863.1	3866377	4.78E-04	5.16E-04	8.16E-04	1.66E-07	5.00E-07	2.89E-07	3.12E-07	2.83E-07	1.29E-07	2.04E-07	0.00E+00	0.00E+00	5.33E-08	1.06E-08	6.73E-08	1.04E-08	1.58E-08	1.57E-07
5363	495363.1	3866377	4.96E-04	5.35E-04	8.47E-04	1.72E-07	5.19E-07	3.00E-07	3.24E-07	2.94E-07	1.34E-07	2.12E-07	0.00E+00	0.00E+00	5.52E-08	1.10E-08	6.98E-08	1.08E-08	1.64E-08	1.63E-07
5364	495863.1	3866377	5.23E-04	5.64E-04	8.94E-04	1.81E-07	5.46E-07	3.16E-07	3.41E-07	3.09E-07	1.41E-07	2.24E-07	0.00E+00	0.00E+00	5.82E-08	1.16E-08	7.35E-08	1.13E-08	1.73E-08	1.72E-07
5365	496363.1	3866377	5.28E-04	5.70E-04	9.04E-04	1.83E-07	5.52E-07	3.19E-07	3.45E-07	3.13E-07	1.43E-07	2.26E-07	0.00E+00	0.00E+00	5.88E-08	1.17E-08	7.43E-08	1.15E-08	1.75E-08	1.74E-07
5366	496863.1	3866377	5.08E-04	5.48E-04	8.70E-04	1.76E-07	5.31E-07	3.07E-07	3.32E-07	3.01E-07	1.37E-07	2.18E-07	0.00E+00	0.00E+00	5.65E-08	1.13E-08	7.14E-08	1.10E-08	1.69E-08	1.67E-07
5367	497363.1	3866377	4.84E-04	5.22E-04	8.29E-04	1.68E-07	5.06E-07	2.93E-07	3.16E-07	2.87E-07	1.31E-07	2.07E-07	0.00E+00	0.00E+00	5.39E-08	1.07E-08	6.81E-08	1.05E-08	1.61E-08	1.59E-07
5368	497863.1	3866377	4.62E-04	4.99E-04	7.91E-04	1.60E-07	4.83E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.98E-07	0.00E+00	0.00E+00	5.15E-08	1.02E-08	6.50E-08	1.00E-08	1.53E-08	1.52E-07
5369	498363.1	3866377	4.17E-04	4.50E-04	7.14E-04	1.45E-07	4.36E-07	2.53E-07	2.73E-07	2.47E-07	1.13E-07	1.79E-07	0.00E+00	0.00E+00	4.65E-08	9.25E-09	5.87E-08	9.05E-09	1.38E-08	1.37E-07
5370	474494.9	3848334	2.85E-04	3.07E-04	4.85E-04	9.86E-08	2.98E-07	1.72E-07	1.86E-07	1.69E-07	7.69E-08	1.21E-07	0.00E+00	0.00E+00	3.17E-08	6.31E-09	4.00E-08	6.17E-09	9.39E-09	9.36E-08
5371	475167.3	3848921	3.25E-04	3.51E-04	5.54E-04	1.13E-07	3.40E-07	1.97E-07	2.12E-07	1.92E-07	8.78E-08	1.39E-07	0.00E+00	0.00E+00	3.62E-08	7.21E-09	4.57E-08	7.05E-09	1.07E-08	1.07E-07
5372	475297.9	3848998	3.31E-04	3.57E-04	5.63E-04	1.15E-07	3.46E-07	2.00E-07	2.16E-07	1.96E-07	8.93E-08	1.41E-07	0.00E+00	0.00E+00	3.68E-08	7.33E-09	4.65E-08	7.17E-09	1.09E-08	1.09E-07
5373	475439.1	3849062	3.27E-04	3.53E-04	5.57E-04	1.13E-07	3.42E-07	1.98E-07	2.13E-07	1.94E-07	8.83E-08	1.39E-07	0.00E+00	0.00E+00	3.64E-08	7.25E-09	4.60E-08	7.09E-09	1.08E-08	1.08E-07
5374	475486.9	3849061	3.24E-04	3.49E-04	5.52E-04	1.12E-07	3.39E-07	1.96E-07	2.11E-07	1.92E-07	8.75E-08	1.38E-07	0.00E+00	0.00E+00	3.61E-08	7.18E-09	4.55E-08	7.02E-09	1.07E-08	1.07E-07
5375	475538.5	3849076	3.26E-04	3.52E-04	5.55E-04	1.13E-07	3.41E-07	1.97E-07	2.13E-07	1.93E-07	8.80E-08	1.39E-07	0.00E+00	0.00E+00	3.63E-08	7.22E-09	4.58E-08	7.07E-09	1.08E-08	1.07E-07
5376	475751.8	3849137	3.41E-04	3.67E-04	5.79E-04	1.18E-07	3.56E-07	2.06E-07	2.22E-07	2.02E-07	9.20E-08	1.45E-07	0.00E+00	0.00E+00	3.79E-08	7.55E-09	4.79E-08	7.39E-09	1.12E-08	1.12E-07
5377	476303.6	3849223	3.47E-04	3.74E-04	5.89E-04	1.20E-07	3.63E-07	2.10E-07	2.27E-07	2.05E-07	9.37E-08	1.48E-07	0.00E+00	0.00E+00	3.87E-08	7.69E-09	4.88E-08	7.52E-09	1.14E-08	1.14E-07
5378	476304.5	3849239	3.50E-04	3.77E-04	5.94E-04	1.21E-07	3.66E-07	2.12E-07	2.28E-07	2.07E-07	9.44E-08	1.49E-07	0.00E+00	0.00E+00	3.89E-08	7.74E-09	4.91E-08	7.58E-09	1.15E-08	1.15E-07
5379	476365	3849248	3.50E-04	3.77E-04	5.93E-04	1.21E-07	3.65E-07	2.11E-07	2.28E-07	2.07E-07	9.43E-08	1.48E-07	0.00E+00	0.00E+00	3.89E-08	7.74E-09	4.91E-08	7.57E-09	1.15E-08	1.15E-07
5380	476444.9	3849267	3.48E-04	3.75E-04	5.90E-04	1.20E-07	3.64E-07	2.10E-07	2.27E-07	2.06E-07	9.38E-08	1.48E-07	0.00E+00	0.00E+00	3.87E-08	7.70E-09	4.89E-08	7.54E-09	1.14E-08	1.14E-07
5381	476550.8	3849301	3.52E-04	3.79E-04	5.97E-04	1.22E-07	3.68E-07	2.13E-07	2.29E-07	2.08E-07	9.49E-08	1.49E-07	0.00E+00	0.00E+00	3.91E-08	7.79E-09	4.94E-08	7.62E-09	1.16E-08	1.16E-07
5382	476656.7	3849347	3.55E-04	3.83E-04	6.03E-04	1.23E-07	3.71E-07	2.15E-07	2.32E-07	2.10E-07	9.59E-08	1.51E-07	0.00E+00	0.00E+00	3.96E-08	7.87E-09	4.99E-08	7.70E-09	1.17E-08	1.17E-07
5383	476873.6	3849455	3.67E-04	3.96E-04	6.22E-04	1.27E-07	3.84E-07	2.22E-07	2.39E-07	2.17E-07	9.90E-08	1.56E-07	0.00E+00	0.00E+00	4.08E-08	8.12E-09	5.15E-08	7.95E-09	1.20E-08	1.21E-07
5384	477700	3849860	4.29E-04	4.62E-04	7.25E-04	1.49E-07	4.48E-07	2.60E-07	2.80E-07	2.54E-07	1.16E-07	1.81E-07	0.00E+00	0.00E+00	4.78E-08	9.49E-09	6.02E-08	9.29E-09	1.40E-08	1.41E-07
5385	477743.2	3849856	4.28E-04	4.62E-04	7.24E-04	1.48E-07	4.48E-07	2.59E-07	2.79E-07	2.53E-07	1.16E-07	1.81E-07	0.00E+00	0.00E+00	4.77E-08	9.48E-09	6.02E-08	9.28E-09	1.40E-08	1.41E-07
5386	478477.4	3850216	5.34E-04	5.76E-04	9.05E-04	1.85E-07	5.58E-07	3.23E-07	3.48E-07	3.16E-07	1.44E-07	2.27E-07	0.00E+00	0.00E+00	5.94E-08	1.18E-08	7.50E-08	1.16E-08	1.75E-08	1.75E-07
5387	478485.8	3850202	5.39E-04	5.81E-04	9.15E-04	1.87E-07	5.63E-07	3.26E-07	3.52E-07	3.19E-07	1.45E-07	2.29E-07	0.00E+00	0.00E+00	6.00E-08	1.19E-08	7.57E-08	1.17E-08	1.77E-08	1.77E-07
5388	479113.2	3850502	7.29E-04	7.86E-04	1.24E-03	2.52E-07	7.62E-07	4.41E-07	4.76E-07	4.31E-07	1.97E-07	3.10E-07	0.00E+00	0.00E+00	8.12E-08	1.61E-08	1.02E-07	1.58E-08	2.40E-08	2.40E-07
5389	479108.1	3850382	7.40E-04	7.98E-04	1.26E-03	2.56E-07	7.74E-07	4.48E-07	4.83E-07	4.38E-07	2.00E-07	3.16E-07	0.00E+00	0.00E+00	8.24E-08	1.64E-08	1.04E-07	1.60E-08	2.45E-08	2.43E-07
5390	479689.9	3850674	8.63E-04	9.31E-04	1.47E-03	2.99E-07	9.02E-07	5.22E-07	5.63E-07	5.11E-07	2.33E-07	3.69E-07	0.00E+00	0.00E+00	9.61E-08	1.91E-08	1.21E-07	1.87E-08	2.86E-08	2.84E-07
5391	479952.4	3850774	8.98E-04	9.69E-04	1.53E-03	3.11E-07	9.38E-07	5.43E-07	5.86E-07	5.31E-07	2.42E-07	3.84E-07	0.00E+00	0.00E+00	9.99E-08	1.99E-08	1.26E-07	1.95E-08	2.97E-08	2.95E-07
5392	479911.3	3850885	9.32E-04	1.01E-03	1.59E-03	3.22E-07	9.74E-07	5.64E-07	6.08E-07	5.51E-07	2.52E-07	3.98E-07	0.00E+00	0.00E+00	1.04E-07	2.06E-08	1.31E-07	2.02E-08	3.08E-08	3.06E-07
5393	480500.9	3851178	1.04E-03	1.12E-03	1.76E-03	3.59E-07	1.08E-06	6.27E-07	6.76E-07	6.13E-07	2.80E-07	4.41E-07	0.00E+00	0.00E+00	1.15E-07	2.29E-08	1.46E-07	2.25E-08	3.41E-08	3.40E-07
5394	480738	3851289	1.06E-03	1.15E-03	1.80E-03	3.68E-07	1.11E-06	6.43E-07	6.93E-07	6.28E-07	2.87E-07	4.51E-07	0.00E+00	0.00E+00	1.18E-07	2.35E-08	1.49E-07	2.30E-08	3.49E-08	3.49E-07
5395	481055.4	3851444	1.10E-03	1.18E-03	1.86E-03	3.80E-07	1.15E-06	6.65E-07	7.17E-07	6.50E-07	2.96E-07	4.65E-07	0.00E+00	0.00E+00	1.22E-07	2.43E-08	1.54E-07	2.38E-08	3.60E-08	3.61E-07
5396	481110.2	3851443	1.09E-03	1.17E-03	1.84E-03	3.77E-07	1.14E-06	6.58E-07	7.09E-07	6.43E-07	2.93E-07	4.60E-07	0.00E+00	0.00E+00	1.21E-07	2.41E-08	1.53E-07	2.36E-08	3.56E-08	3.57E-07
5397	481111.1	3851417	1.07E-03	1.15E-03	1.81E-03	3.71E-07	1.12E-06	6.48E-07	6.98E-07	6.33E-07	2.89E-07	4.53E-07	0.00E+00	0.00E+00	1.19E-07	2.37E-08	1.50E-07	2.32E-08	3.51E-08	3.52E-07
5398	482248.4	3852605	1.85E-03	1.99E-03	3.11E-03	6.41E-07	1.94E-06	1.12E-06	1.21E-06	1.09E-06	4.99E-07	7.78E-07	0.00E+00	0.00E+00	2.06E-07	4.09E-08	2.60E-07	4.01E-08	6.02E-08	6.07E-07
5399	482273.3	3852632	1.88E-03	2.02E-03	3.15E-03	6.51E-07	1.97E-06	1.14E-06	1.22E-06	1.11E-06	5.07E-07	7.90E-07	0.00E+00	0.00E+00	2.09E-07	4.16E-08	2.64E-07	4.07E-08	6.11E-08	6.16E-07
5400	482665.5	3853039	2.51E-03	2.70E-03	4.18E-03	8.68E-07	2.62E-06	1.52E-06	1.63E-06	1.48E-06	6.75E-07	1.05E-06	0.00E+00	0.00E+00	2.79E-07	5.54E-08	3.52E-07	5.42E-08	8.10E-08	8.21E-07
5401	483078	3853844	1.72E-02	1.86E-02	2.93E-02	5.97E-06	1.80E-05	1.04E-05	1.13E-05	1.02E-05	4.65E-06	7.34E-06	0.00E+00	0.00E+00	1.92E-06	3.82E-07	2.42E-06	3.74E-07	5.69E-07	5.67E-06
5402	483121.4	3853909	1.88E-02	2.04E-02	3.32E-02	6.52E-06	1.97E-05	1.14E-05	1.23E-05	1.12E-05	5.10E-06	8.31E-06	0.00E+00	0.00E+00	2.10E-06	4.19E-07	2.66E-06	4.10E-07	6.43E-07	6.22E-06
5403	483492.6	3853911	1.11E-02	1.20E-02	1.95E-02	3.84E-06	1.16E-05	6.71E-06	7.27E-06	6.59E-06	3.01E-06	4.89E-06	0.00E+00	0.00E+00	1.23E-06	2.47E-07	1.57E-06	2.41E-07	3.79E-07	3.67E-06
5404	483498.3	3854205	2.03E-02	2.21E-02	3.76E-02	7.03E-06	2.12E-05	1.23E-05	1.34E-05	1.21E-05	5.54E-06	9.40E-06	0.00E+00	0.00E+00	2.26E-06	4.55E-07	2.88E-06	4.45E-07	7.28E-07	6.77E-06
5405	484132.4	3854663	1.96E-02	2.12E-02	3.36E-02	6.80E-06	2.05E-05	1.19E-05	1.28E-05	1.16E-05	5.30E-06	8.42E-06	0.00E+00	0.00E+00	2.19E-06	4.35E-07	2.76E-06	4.26E-07	6.52E-07	6.46E-06
5406	484627.6	3854876	2.32E-02	2.50E-02	3.89E-02	8.04E-06	2.43E-05	1.40E-05	1.51E-05	1.37E-05	6.25E-06	9.74E-06	0.00E+00	0.00E+00	2.58E-06	5.13E-07	3.26E-06	5.02E-07	7.54E-07	7.61E-06
5407	484756.1	3854949	2.49E-02	2.68E-02	4.17E-02	8.61E-06	2.60E-05	1.51E-05	1.62E-05	1.47E-05	6.70E-06	1.04E-05	0.00E+00	0.00E+00	2.77E-06	5.50E-07	3.49E-06	5.38E-07	8.07E-07	8.16E-06
5408	486697.5	3856599	3.94E-02	4.26E-02	6.82E-02	1.36E-05	4.12E-05	2.39E-05	2.58E-05	2.34E-05	1.07E-05	1.71E-05	0.00E+00	0.00E+00	4.39E-06	8.75E-07	5.55E-06	8.56E-07	1.32E-06	1.30E-05

5409	487105.3	3856962	4.64E-02	5.01E-02	8.03E-02	1.60E-05	4.85E-05	2.80E-05	3.03E-05	2.75E-05	1.25E-05	2.01E-05	0.00E+00	0.00E+00	5.16E-06	1.03E-06	6.53E-06	1.01E-06	1.56E-06	1.53E-05
5410	487157.6	3856902	4.22E-02	4.56E-02	7.31E-02	1.46E-05	4.41E-05	2.55E-05	2.76E-05	2.50E-05	1.14E-05	1.83E-05	0.00E+00	0.00E+00	4.70E-06	9.37E-07	5.95E-06	9.17E-07	1.42E-06	1.39E-05
5411	487173.5	3856854	4.00E-02	4.32E-02	6.92E-02	1.38E-05	4.18E-05	2.42E-05	2.62E-05	2.37E-05	1.08E-05	1.73E-05	0.00E+00	0.00E+00	4.45E-06	8.88E-07	5.63E-06	8.69E-07	1.34E-06	1.32E-05
5412	487564.4	3856861	3.29E-02	3.56E-02	5.69E-02	1.14E-05	3.44E-05	1.99E-05	2.15E-05	1.95E-05	8.90E-06	1.42E-05	0.00E+00	0.00E+00	3.66E-06	7.31E-07	4.64E-06	7.15E-07	1.10E-06	1.08E-05
5413	487563.3	3856932	3.47E-02	3.75E-02	6.01E-02	1.20E-05	3.63E-05	2.10E-05	2.27E-05	2.06E-05	9.39E-06	1.50E-05	0.00E+00	0.00E+00	3.86E-06	7.71E-07	4.89E-06	7.54E-07	1.16E-06	1.14E-05
5414	487782.7	3856927	3.12E-02	3.37E-02	5.40E-02	1.08E-05	3.26E-05	1.89E-05	2.04E-05	1.85E-05	8.45E-06	1.35E-05	0.00E+00	0.00E+00	3.48E-06	6.93E-07	4.40E-06	6.78E-07	1.05E-06	1.03E-05
5415	487782.4	3856757	2.80E-02	3.03E-02	4.84E-02	9.69E-06	2.93E-05	1.69E-05	1.83E-05	1.66E-05	7.57E-06	1.21E-05	0.00E+00	0.00E+00	3.12E-06	6.21E-07	3.94E-06	6.08E-07	9.38E-07	9.23E-06
5416	487917.3	3856752	2.66E-02	2.88E-02	4.60E-02	9.21E-06	2.78E-05	1.61E-05	1.74E-05	1.58E-05	7.20E-06	1.15E-05	0.00E+00	0.00E+00	2.96E-06	5.90E-07	3.75E-06	5.78E-07	8.91E-07	8.77E-06
5417	487919.6	3856953	2.99E-02	3.23E-02	5.18E-02	1.04E-05	3.13E-05	1.81E-05	1.96E-05	1.77E-05	8.09E-06	1.30E-05	0.00E+00	0.00E+00	3.33E-06	6.64E-07	4.21E-06	6.50E-07	1.00E-06	9.86E-06
5418	487932.8	3857000	3.05E-02	3.30E-02	5.28E-02	1.06E-05	3.19E-05	1.85E-05	2.00E-05	1.81E-05	8.26E-06	1.32E-05	0.00E+00	0.00E+00	3.40E-06	6.78E-07	4.30E-06	6.63E-07	1.02E-06	1.01E-05
5419	487960.5	3857045	3.09E-02	3.34E-02	5.35E-02	1.07E-05	3.23E-05	1.87E-05	2.02E-05	1.83E-05	8.36E-06	1.34E-05	0.00E+00	0.00E+00	3.44E-06	6.86E-07	4.35E-06	6.71E-07	1.04E-06	1.02E-05
5420	488016.5	3857090	3.09E-02	3.34E-02	5.35E-02	1.07E-05	3.23E-05	1.87E-05	2.02E-05	1.83E-05	8.35E-06	1.34E-05	0.00E+00	0.00E+00	3.44E-06	6.85E-07	4.35E-06	6.71E-07	1.04E-06	1.02E-05
5421	488114.4	3857165	3.09E-02	3.34E-02	5.36E-02	1.07E-05	3.23E-05	1.87E-05	2.02E-05	1.83E-05	8.36E-06	1.34E-05	0.00E+00	0.00E+00	3.44E-06	6.86E-07	4.35E-06	6.71E-07	1.04E-06	1.02E-05
5422	488171.5	3857234	3.11E-02	3.37E-02	5.41E-02	1.08E-05	3.25E-05	1.88E-05	2.04E-05	1.85E-05	8.43E-06	1.35E-05	0.00E+00	0.00E+00	3.47E-06	6.91E-07	4.39E-06	6.77E-07	1.05E-06	1.03E-05
5423	488193.2	3857298	3.18E-02	3.44E-02	5.53E-02	1.10E-05	3.33E-05	1.93E-05	2.08E-05	1.89E-05	8.61E-06	1.38E-05	0.00E+00	0.00E+00	3.54E-06	7.07E-07	4.48E-06	6.91E-07	1.07E-06	1.05E-05
5424	488189.3	3857650	3.78E-02	4.09E-02	6.59E-02	1.31E-05	3.95E-05	2.29E-05	2.47E-05	2.24E-05	1.02E-05	1.65E-05	0.00E+00	0.00E+00	4.21E-06	8.40E-07	5.33E-06	8.22E-07	1.28E-06	1.25E-05
5425	488127.4	3857732	4.13E-02	4.47E-02	7.23E-02	1.43E-05	4.32E-05	2.50E-05	2.71E-05	2.45E-05	1.12E-05	1.81E-05	0.00E+00	0.00E+00	4.60E-06	9.19E-07	5.83E-06	8.99E-07	1.40E-06	1.36E-05
5426	488149.9	3857753	4.10E-02	4.44E-02	7.18E-02	1.42E-05	4.29E-05	2.48E-05	2.69E-05	2.44E-05	1.11E-05	1.80E-05	0.00E+00	0.00E+00	4.57E-06	9.12E-07	5.79E-06	8.93E-07	1.39E-06	1.36E-05
5427	488144.8	3857759	4.13E-02	4.48E-02	7.24E-02	1.43E-05	4.32E-05	2.50E-05	2.71E-05	2.45E-05	1.12E-05	1.81E-05	0.00E+00	0.00E+00	4.60E-06	9.19E-07	5.83E-06	8.99E-07	1.40E-06	1.37E-05
5428	488335.6	3857933	3.79E-02	4.11E-02	6.63E-02	1.31E-05	3.96E-05	2.30E-05	2.48E-05	2.25E-05	1.03E-05	1.66E-05	0.00E+00	0.00E+00	4.22E-06	8.43E-07	5.35E-06	8.25E-07	1.29E-06	1.25E-05
5429	488372.3	3857944	3.69E-02	4.00E-02	6.46E-02	1.28E-05	3.86E-05	2.24E-05	2.42E-05	2.19E-05	1.00E-05	1.62E-05	0.00E+00	0.00E+00	4.11E-06	8.21E-07	5.21E-06	8.03E-07	1.25E-06	1.22E-05
5430	488828.6	3857936	2.69E-02	2.91E-02	4.69E-02	9.32E-06	2.81E-05	1.63E-05	1.76E-05	1.60E-05	7.29E-06	1.17E-05	0.00E+00	0.00E+00	3.00E-06	5.98E-07	3.79E-06	5.85E-07	9.08E-07	8.88E-06
5431	488829.1	3857960	2.70E-02	2.92E-02	4.69E-02	9.34E-06	2.82E-05	1.63E-05	1.76E-05	1.60E-05	7.30E-06	1.17E-05	0.00E+00	0.00E+00	3.00E-06	5.99E-07	3.80E-06	5.86E-07	9.10E-07	8.90E-06
5432	488351.6	3857965	3.78E-02	4.09E-02	6.62E-02	1.31E-05	3.95E-05	2.29E-05	2.48E-05	2.25E-05	1.02E-05	1.66E-05	0.00E+00	0.00E+00	4.21E-06	8.41E-07	5.34E-06	8.23E-07	1.28E-06	1.25E-05
5433	488316.9	3857948	3.87E-02	4.19E-02	6.78E-02	1.34E-05	4.05E-05	2.34E-05	2.54E-05	2.30E-05	1.05E-05	1.70E-05	0.00E+00	0.00E+00	4.31E-06	8.61E-07	5.46E-06	8.43E-07	1.31E-06	1.28E-05
5434	488129.1	3857776	4.23E-02	4.58E-02	7.41E-02	1.46E-05	4.42E-05	2.56E-05	2.77E-05	2.51E-05	1.15E-05	1.85E-05	0.00E+00	0.00E+00	4.71E-06	9.40E-07	5.96E-06	9.20E-07	1.44E-06	1.40E-05
5435	488062.5	3857846	4.67E-02	5.06E-02	8.22E-02	1.62E-05	4.88E-05	2.83E-05	3.06E-05	2.77E-05	1.27E-05	2.06E-05	0.00E+00	0.00E+00	5.20E-06	1.04E-06	6.59E-06	1.02E-06	1.59E-06	1.54E-05
5436	488330.4	3858091	4.07E-02	4.41E-02	7.15E-02	1.41E-05	4.25E-05	2.46E-05	2.67E-05	2.42E-05	1.10E-05	1.79E-05	0.00E+00	0.00E+00	4.53E-06	9.05E-07	5.74E-06	8.86E-07	1.39E-06	1.35E-05
5437	488470.9	3858174	3.62E-02	3.91E-02	6.32E-02	1.25E-05	3.78E-05	2.19E-05	2.37E-05	2.15E-05	9.80E-06	1.58E-05	0.00E+00	0.00E+00	4.03E-06	8.04E-07	5.10E-06	7.87E-07	1.23E-06	1.19E-05
5438	488568.9	3858262	3.20E-02	3.46E-02	5.56E-02	1.11E-05	3.35E-05	1.94E-05	2.09E-05	1.90E-05	8.66E-06	1.39E-05	0.00E+00	0.00E+00	3.56E-06	7.11E-07	4.51E-06	6.96E-07	1.08E-06	1.06E-05
5439	488964.3	3858026	2.48E-02	2.68E-02	4.32E-02	8.59E-06	2.59E-05	1.50E-05	1.62E-05	1.47E-05	6.72E-06	1.08E-05	0.00E+00	0.00E+00	2.76E-06	5.51E-07	3.50E-06	5.39E-07	8.37E-07	8.19E-06
5440	489147.3	3857957	2.26E-02	2.44E-02	3.93E-02	7.81E-06	2.36E-05	1.37E-05	1.48E-05	1.34E-05	6.11E-06	9.83E-06	0.00E+00	0.00E+00	2.51E-06	5.01E-07	3.18E-06	4.91E-07	7.61E-07	7.45E-06
5441	489343.5	3857932	2.05E-02	2.22E-02	3.57E-02	7.10E-06	2.14E-05	1.24E-05	1.34E-05	1.22E-05	5.55E-06	8.93E-06	0.00E+00	0.00E+00	2.28E-06	4.55E-07	2.89E-06	4.46E-07	6.91E-07	6.76E-06
5442	489866.2	3857923	1.62E-02	1.75E-02	2.82E-02	5.62E-06	1.70E-05	9.82E-06	1.06E-05	9.62E-06	4.39E-06	7.05E-06	0.00E+00	0.00E+00	1.81E-06	3.60E-07	2.29E-06	3.53E-07	5.46E-07	5.35E-06
5443	489955.7	3857902	1.57E-02	1.70E-02	2.72E-02	5.43E-06	1.64E-05	9.49E-06	1.03E-05	9.30E-06	4.24E-06	6.82E-06	0.00E+00	0.00E+00	1.75E-06	3.48E-07	2.21E-06	3.41E-07	5.28E-07	5.17E-06
5444	490079.4	3857848	1.51E-02	1.63E-02	2.62E-02	5.23E-06	1.58E-05	9.13E-06	9.87E-06	8.95E-06	4.08E-06	6.56E-06	0.00E+00	0.00E+00	1.68E-06	3.35E-07	2.13E-06	3.28E-07	5.08E-07	4.98E-06
5445	490108.5	3857934	1.47E-02	1.59E-02	2.55E-02	5.09E-06	1.54E-05	8.89E-06	9.61E-06	8.71E-06	3.98E-06	6.38E-06	0.00E+00	0.00E+00	1.64E-06	3.26E-07	2.07E-06	3.19E-07	4.94E-07	4.85E-06
5446	489884.5	3858014	1.58E-02	1.71E-02	2.74E-02	5.47E-06	1.65E-05	9.55E-06	1.03E-05	9.36E-06	4.27E-06	6.86E-06	0.00E+00	0.00E+00	1.76E-06	3.51E-07	2.22E-06	3.43E-07	5.31E-07	5.21E-06
5447	489326.6	3858026	2.04E-02	2.20E-02	3.54E-02	7.05E-06	2.13E-05	1.23E-05	1.33E-05	1.21E-05	5.51E-06	8.86E-06	0.00E+00	0.00E+00	2.27E-06	4.52E-07	2.87E-06	4.43E-07	6.86E-07	6.72E-06
5448	489130.4	3858057	2.25E-02	2.43E-02	3.92E-02	7.79E-06	2.35E-05	1.36E-05	1.47E-05	1.34E-05	6.09E-06	9.80E-06	0.00E+00	0.00E+00	2.51E-06	5.00E-07	3.17E-06	4.89E-07	7.59E-07	7.43E-06
5449	488936.5	3858144	2.48E-02	2.68E-02	4.30E-02	8.57E-06	2.59E-05	1.50E-05	1.62E-05	1.47E-05	6.70E-06	1.08E-05	0.00E+00	0.00E+00	2.76E-06	5.50E-07	3.49E-06	5.38E-07	8.34E-07	8.17E-06
5450	488638.1	3858327	2.88E-02	3.11E-02	4.96E-02	9.95E-06	3.01E-05	1.74E-05	1.88E-05	1.70E-05	7.77E-06	1.24E-05	0.00E+00	0.00E+00	3.20E-06	6.38E-07	4.05E-06	6.24E-07	9.62E-07	9.47E-06
5451	488663.8	3858350	2.76E-02	2.98E-02	4.74E-02	9.54E-06	2.88E-05	1.67E-05	1.80E-05	1.63E-05	7.45E-06	1.19E-05	0.00E+00	0.00E+00	3.07E-06	6.12E-07	3.88E-06	5.98E-07	9.20E-07	9.08E-06
5452	488694.6	3858350	2.68E-02	2.90E-02	4.61E-02	9.28E-06	2.80E-05	1.62E-05	1.75E-05	1.59E-05	7.25E-06	1.15E-05	0.00E+00	0.00E+00	2.98E-06	5.95E-07	3.77E-06	5.82E-07	8.94E-07	8.83E-06
5453	488694.4	3858337	2.71E-02	2.93E-02	4.67E-02	9.38E-06	2.83E-05	1.64E-05	1.77E-05	1.61E-05	7.33E-06	1.17E-05	0.00E+00	0.00E+00	3.02E-06	6.01E-07	3.82E-06	5.88E-07	9.05E-07	8.93E-06
5454	488712.8	3858336	2.67E-02	2.88E-02	4.60E-02	9.24E-06	2.79E-05	1.61E-05	1.74E-05	1.58E-05	7.21E-06	1.15E-05	0.00E+00	0.00E+00	2.97E-06	5.92E-07	3.76E-06	5.79E-07	8.91E-07	8.79E-06
5455	488713.2	3858367	2.59E-02	2.80E-02	4.45E-02	8.98E-06	2.71E-05	1.57E-05	1.69E-05	1.54E-05	7.01E-06	1.11E-05	0.00E+00	0.00E+00	2.89E-06	5.75E-07	3.65E-06	5.63E-07	8.62E-07	8.54E-06
5456	488704.6	3858384	2.57E-02	2.77E-02	4.40E-02	8.90E-06	2.69E-05	1.56E-05	1.68E-05	1.52E-05	6.94E-06	1.10E-05	0.00E+00	0.00E+00	2.86E-06	5.70E-07	3.62E-06	5.58E-07	8.52E-07	8.46E-06
5457	488604.2	3858488	2.48E-02	2.67E-02	4.10E-02	8.59E-06	2.59E-05	1.50E-05	1.61E-05	1.46E-05	6.67E-06	1.03E-05	0.00E+00	0.00E+00	2.76E-06	5.48E-07	3.48E-06	5.36E-07	7.95E-07	8.12E-06
5458	488605.7	3858550	2.31E-02	2.47E-02	3.68E-02	8.00E-06	2.42E-05	1.40E-05	1.50E-05	1.36E-05	6.19E-06	9.21E-06	0.00E+00	0.00E+00	2.57E-06	5.08E-07	3.22E-06	4.97E-07	7.13E-07	7.52E-06
5459	488692.7	3858549	2.16E-02	2.31E-02	3.48E-02	7.47E-06	2.26E-05	1.31E-05	1.40E-05	1.27E-05	5.79E-06	8.71E-06	0.00E+00	0.00E+00	2.40E-06	4.75E-07	3.01E-06	4.65E-07	6.74E-07	7.03E-06
5460	488759.9	3858462	2.26E-02	2.43E-02	3.79E-02	7.83E-06	2.36E-05	1.37E-05	1.47E-05	1.34E-05	6.09E-06	9.50E-06	0.00E+00	0.00E+00	2.52E-06	5.00E-07	3.17E-06	4.89E-07	7.35E-07	7.41E-06
5461	488816.6	3858542	2.00E-02	2.14E-02	3.27E-02	6.91E-06	2.09E-05	1.21E-05	1.30E-05	1.18E-05	5.36E-06	8.17E-06	0.00E+00	0.00E+00	2.22E-06	4.40E-07	2.79E-06	4.31E-07	6.33E-07	6.52E-06
5462	488944.6	3858657	1.69E-02	1.80E-02	2.66E-02	5.84E-06	1.76E-05	1.02E-05	1.09E-05	9.89E-06	4.51E-06	6.66E-06	0.00E+00	0.00E+00	1.88E-06	3.71E-07	2.35E-06	3.63E-07	5.16E-07	5.48E-06
5463	489134.9	3858831	1.33E-02	1.41E-02	2.03E-02	4.59E-06	1.39E-05	8.03E-06	8.56E-06	7.76E-06	3.54E-06	5.09E-06	0.00E+00	0.00E+00	1.48E-06	2.90E-07	1.84E-06	2.84E-07	3.94E-07	4.29E-06
5464	489194	3858886	1.17E-02	1.25E-02	1.82E-02	4.05E-06	1.22E-05	7.07E-06	7.55E-06	6.84E-06	3.12E-06	4.55E-06	0.00E+00	0.00E+00	1.30E-06	2.56E-07	1.63E-06	2.51E-07	3.52E-07	3.79E-06
5465	489295.2	3858954	9.89E-03	1.06E-02	1.58E-02	3.42E-06	1.03E-05	5.98E-06	6.41E-06	5.81E-06	2.65E-06	3.95E-06	0.00E+00	0.00E+00	1.10E-06	2.17E-07	1.38E-06	2.13E-07	3.06E-07	3.22E-06

5466	489295.6	3858993	9.25E-03	9.91E-03	1.49E-02	3.20E-06	9.67E-06	5.60E-06	6.00E-06	5.43E-06	2.48E-06	3.72E-06	0.00E+00	0.00E+00	1.03E-06	2.04E-07	1.29E-06	1.99E-07	2.88E-07	3.01E-06
5467	489183.7	3858912	1.12E-02	1.20E-02	1.75E-02	3.89E-06	1.17E-05	6.80E-06	7.25E-06	6.58E-06	3.00E-06	4.38E-06	0.00E+00	0.00E+00	1.25E-06	2.46E-07	1.56E-06	2.41E-07	3.39E-07	3.64E-06
5468	488873.4	3858626	1.80E-02	1.92E-02	2.85E-02	6.22E-06	1.88E-05	1.09E-05	1.16E-05	1.05E-05	4.81E-06	7.13E-06	0.00E+00	0.00E+00	2.00E-06	3.95E-07	2.51E-06	3.86E-07	5.52E-07	5.84E-06
5469	488842.8	3858659	1.80E-02	1.92E-02	2.79E-02	6.24E-06	1.88E-05	1.09E-05	1.16E-05	1.05E-05	4.81E-06	6.98E-06	0.00E+00	0.00E+00	2.01E-06	3.95E-07	2.51E-06	3.86E-07	5.41E-07	5.83E-06
5470	488856.4	3858671	1.78E-02	1.90E-02	2.74E-02	6.16E-06	1.86E-05	1.08E-05	1.15E-05	1.04E-05	4.74E-06	6.86E-06	0.00E+00	0.00E+00	1.98E-06	3.89E-07	2.47E-06	3.81E-07	5.31E-07	5.75E-06
5471	488805.7	3858725	1.88E-02	1.99E-02	2.74E-02	6.50E-06	1.96E-05	1.14E-05	1.20E-05	1.09E-05	4.98E-06	6.85E-06	0.00E+00	0.00E+00	2.09E-06	4.08E-07	2.59E-06	4.00E-07	5.30E-07	6.02E-06
5472	488805.9	3858804	2.16E-02	2.27E-02	2.88E-02	7.49E-06	2.26E-05	1.31E-05	1.37E-05	1.25E-05	5.68E-06	7.21E-06	0.00E+00	0.00E+00	2.41E-06	4.66E-07	2.96E-06	4.56E-07	5.58E-07	6.85E-06
5473	488995.8	3858937	1.21E-02	1.29E-02	1.80E-02	4.19E-06	1.27E-05	7.33E-06	7.78E-06	7.06E-06	3.22E-06	4.51E-06	0.00E+00	0.00E+00	1.35E-06	2.64E-07	1.68E-06	2.59E-07	3.49E-07	3.90E-06
5474	489130.8	3859017	9.09E-03	9.72E-03	1.44E-02	3.15E-06	9.50E-06	5.50E-06	5.88E-06	5.33E-06	2.43E-06	3.62E-06	0.00E+00	0.00E+00	1.01E-06	2.00E-07	1.27E-06	1.95E-07	2.80E-07	2.95E-06
5475	489130.9	3859052	8.41E-03	9.01E-03	1.35E-02	2.91E-06	8.79E-06	5.09E-06	5.45E-06	4.94E-06	2.25E-06	3.38E-06	0.00E+00	0.00E+00	9.36E-07	1.85E-07	1.17E-06	1.81E-07	2.62E-07	2.74E-06
5476	489200.3	3859091	7.80E-03	8.36E-03	1.27E-02	2.70E-06	8.15E-06	4.72E-06	5.06E-06	4.59E-06	2.09E-06	3.17E-06	0.00E+00	0.00E+00	8.68E-07	1.72E-07	1.09E-06	1.68E-07	2.46E-07	2.54E-06
5477	489296.1	3859144	7.14E-03	7.66E-03	1.17E-02	2.47E-06	7.46E-06	4.32E-06	4.64E-06	4.20E-06	1.92E-06	2.93E-06	0.00E+00	0.00E+00	7.94E-07	1.57E-07	9.99E-07	1.54E-07	2.27E-07	2.33E-06
5478	489296.4	3858955	9.88E-03	1.06E-02	1.58E-02	3.42E-06	1.03E-05	5.98E-06	6.40E-06	5.80E-06	2.65E-06	3.95E-06	0.00E+00	0.00E+00	1.10E-06	2.17E-07	1.38E-06	2.13E-07	3.06E-07	3.21E-06
5479	489410.3	3859033	8.48E-03	9.09E-03	1.38E-02	2.93E-06	8.86E-06	5.13E-06	5.50E-06	4.99E-06	2.28E-06	3.46E-06	0.00E+00	0.00E+00	9.44E-07	1.87E-07	1.19E-06	1.83E-07	2.68E-07	2.77E-06
5480	489371.4	3859090	7.79E-03	8.36E-03	1.27E-02	2.70E-06	8.14E-06	4.71E-06	5.06E-06	4.59E-06	2.09E-06	3.19E-06	0.00E+00	0.00E+00	8.67E-07	1.72E-07	1.09E-06	1.68E-07	2.47E-07	2.54E-06
5481	489390.5	3859103	7.62E-03	8.19E-03	1.25E-02	2.64E-06	7.97E-06	4.61E-06	4.95E-06	4.49E-06	2.05E-06	3.13E-06	0.00E+00	0.00E+00	8.49E-07	1.68E-07	1.07E-06	1.65E-07	2.42E-07	2.49E-06
5482	489382.3	3859115	7.49E-03	8.04E-03	1.23E-02	2.59E-06	7.83E-06	4.53E-06	4.87E-06	4.41E-06	2.01E-06	3.08E-06	0.00E+00	0.00E+00	8.34E-07	1.65E-07	1.05E-06	1.62E-07	2.38E-07	2.45E-06
5483	489363	3859102	7.64E-03	8.20E-03	1.25E-02	2.64E-06	7.98E-06	4.62E-06	4.96E-06	4.50E-06	2.05E-06	3.13E-06	0.00E+00	0.00E+00	8.50E-07	1.68E-07	1.07E-06	1.65E-07	2.42E-07	2.49E-06
5484	489337.5	3859141	7.18E-03	7.72E-03	1.18E-02	2.49E-06	7.51E-06	4.35E-06	4.67E-06	4.23E-06	1.93E-06	2.96E-06	0.00E+00	0.00E+00	8.00E-07	1.58E-07	1.01E-06	1.55E-07	2.29E-07	2.35E-06
5485	489375.1	3859165	6.93E-03	7.45E-03	1.14E-02	2.40E-06	7.25E-06	4.20E-06	4.51E-06	4.09E-06	1.86E-06	2.86E-06	0.00E+00	0.00E+00	7.72E-07	1.53E-07	9.71E-07	1.50E-07	2.22E-07	2.27E-06
5486	489409.3	3859115	7.49E-03	8.04E-03	1.23E-02	2.59E-06	7.82E-06	4.53E-06	4.86E-06	4.41E-06	2.01E-06	3.08E-06	0.00E+00	0.00E+00	8.33E-07	1.65E-07	1.05E-06	1.62E-07	2.38E-07	2.45E-06
5487	489434.9	3859132	7.29E-03	7.83E-03	1.20E-02	2.52E-06	7.62E-06	4.41E-06	4.74E-06	4.30E-06	1.96E-06	3.01E-06	0.00E+00	0.00E+00	8.12E-07	1.61E-07	1.02E-06	1.57E-07	2.33E-07	2.38E-06
5488	489471.9	3859076	7.90E-03	8.48E-03	1.30E-02	2.73E-06	8.26E-06	4.78E-06	5.13E-06	4.65E-06	2.12E-06	3.25E-06	0.00E+00	0.00E+00	8.79E-07	1.74E-07	1.11E-06	1.70E-07	2.51E-07	2.58E-06
5489	489602.6	3859165	6.94E-03	7.47E-03	1.15E-02	2.40E-06	7.26E-06	4.20E-06	4.52E-06	4.09E-06	1.87E-06	2.88E-06	0.00E+00	0.00E+00	7.73E-07	1.53E-07	9.73E-07	1.50E-07	2.23E-07	2.27E-06
5490	489558.3	3859232	6.36E-03	6.84E-03	1.06E-02	2.20E-06	6.64E-06	3.85E-06	4.14E-06	3.75E-06	1.71E-06	2.65E-06	0.00E+00	0.00E+00	7.07E-07	1.40E-07	8.91E-07	1.37E-07	2.05E-07	2.08E-06
5491	489620.1	3859274	6.04E-03	6.50E-03	1.01E-02	2.09E-06	6.31E-06	3.65E-06	3.93E-06	3.56E-06	1.63E-06	2.52E-06	0.00E+00	0.00E+00	6.72E-07	1.33E-07	8.47E-07	1.31E-07	1.95E-07	1.98E-06
5492	489666.1	3859206	6.58E-03	7.07E-03	1.10E-02	2.28E-06	6.87E-06	3.98E-06	4.28E-06	3.88E-06	1.77E-06	2.74E-06	0.00E+00	0.00E+00	7.32E-07	1.45E-07	9.22E-07	1.42E-07	2.12E-07	2.15E-06
5493	489787.9	3859286	5.98E-03	6.44E-03	1.00E-02	2.07E-06	6.26E-06	3.62E-06	3.90E-06	3.53E-06	1.61E-06	2.51E-06	0.00E+00	0.00E+00	6.66E-07	1.32E-07	8.40E-07	1.29E-07	1.94E-07	1.96E-06
5494	489752.2	3859343	5.59E-03	6.02E-03	9.37E-03	1.94E-06	5.84E-06	3.38E-06	3.64E-06	3.30E-06	1.51E-06	2.35E-06	0.00E+00	0.00E+00	6.22E-07	1.24E-07	7.84E-07	1.21E-07	1.82E-07	1.83E-06
5495	489814.9	3859385	5.35E-03	5.76E-03	8.98E-03	1.85E-06	5.59E-06	3.24E-06	3.48E-06	3.16E-06	1.44E-06	2.25E-06	0.00E+00	0.00E+00	5.95E-07	1.18E-07	7.50E-07	1.16E-07	1.74E-07	1.75E-06
5496	489853.4	3859331	5.69E-03	6.13E-03	9.56E-03	1.97E-06	5.95E-06	3.45E-06	3.71E-06	3.36E-06	1.53E-06	2.39E-06	0.00E+00	0.00E+00	6.34E-07	1.26E-07	7.99E-07	1.23E-07	1.85E-07	1.87E-06
5497	489969.5	3859402	5.29E-03	5.70E-03	8.90E-03	1.83E-06	5.53E-06	3.20E-06	3.45E-06	3.13E-06	1.43E-06	2.23E-06	0.00E+00	0.00E+00	5.89E-07	1.17E-07	7.43E-07	1.15E-07	1.73E-07	1.74E-06
5498	490166.9	3859487	4.88E-03	5.25E-03	8.23E-03	1.69E-06	5.10E-06	2.95E-06	3.18E-06	2.88E-06	1.32E-06	2.06E-06	0.00E+00	0.00E+00	5.43E-07	1.08E-07	6.85E-07	1.06E-07	1.60E-07	1.60E-06
5499	490128.9	3859571	4.47E-03	4.82E-03	7.55E-03	1.55E-06	4.67E-06	2.71E-06	2.92E-06	2.64E-06	1.21E-06	1.89E-06	0.00E+00	0.00E+00	4.98E-07	9.90E-08	6.28E-07	9.68E-08	1.46E-07	1.47E-06
5500	490186.7	3859594	4.39E-03	4.74E-03	7.43E-03	1.52E-06	4.59E-06	2.66E-06	2.87E-06	2.60E-06	1.19E-06	1.86E-06	0.00E+00	0.00E+00	4.89E-07	9.72E-08	6.17E-07	9.52E-08	1.44E-07	1.44E-06
5501	490223.7	3859517	4.74E-03	5.11E-03	8.02E-03	1.64E-06	4.96E-06	2.87E-06	3.09E-06	2.80E-06	1.28E-06	2.01E-06	0.00E+00	0.00E+00	5.28E-07	1.05E-07	6.66E-07	1.03E-07	1.55E-07	1.56E-06
5502	490846.3	3859817	3.79E-03	4.08E-03	6.44E-03	1.31E-06	3.96E-06	2.29E-06	2.47E-06	2.24E-06	1.02E-06	1.61E-06	0.00E+00	0.00E+00	4.22E-07	8.39E-08	5.32E-07	8.21E-08	1.25E-07	1.24E-06
5503	490925.7	3859845	3.72E-03	4.01E-03	6.34E-03	1.29E-06	3.89E-06	2.25E-06	2.43E-06	2.20E-06	1.00E-06	1.59E-06	0.00E+00	0.00E+00	4.14E-07	8.24E-08	5.23E-07	8.07E-08	1.23E-07	1.22E-06
5504	491159.3	3859896	3.59E-03	3.87E-03	6.12E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.13E-06	9.70E-07	1.53E-06	0.00E+00	0.00E+00	4.00E-07	7.96E-08	5.05E-07	7.79E-08	1.19E-07	1.18E-06
5505	491370.7	3859961	3.42E-03	3.69E-03	5.83E-03	1.18E-06	3.58E-06	2.07E-06	2.23E-06	2.02E-06	9.24E-07	1.46E-06	0.00E+00	0.00E+00	3.81E-07	7.58E-08	4.81E-07	7.42E-08	1.13E-07	1.12E-06
5506	491330.3	3860063	3.16E-03	3.41E-03	5.39E-03	1.09E-06	3.30E-06	1.91E-06	2.06E-06	1.87E-06	8.54E-07	1.35E-06	0.00E+00	0.00E+00	3.52E-07	7.00E-08	4.44E-07	6.85E-08	1.04E-07	1.04E-06
5507	491636.5	3860181	2.96E-03	3.19E-03	5.05E-03	1.02E-06	3.09E-06	1.79E-06	1.93E-06	1.75E-06	7.99E-07	1.26E-06	0.00E+00	0.00E+00	3.29E-07	6.56E-08	4.16E-07	6.42E-08	9.79E-08	9.73E-07
5508	491617.9	3860204	2.91E-03	3.14E-03	4.96E-03	1.01E-06	3.04E-06	1.76E-06	1.90E-06	1.72E-06	7.86E-07	1.24E-06	0.00E+00	0.00E+00	3.24E-07	6.45E-08	4.09E-07	6.31E-08	9.62E-08	9.57E-07
5509	491805.7	3860272	2.80E-03	3.03E-03	4.79E-03	9.71E-07	2.93E-06	1.70E-06	1.83E-06	1.66E-06	7.57E-07	1.20E-06	0.00E+00	0.00E+00	3.12E-07	6.21E-08	3.94E-07	6.08E-08	9.28E-08	9.22E-07
5510	491654.2	3860414	2.53E-03	2.73E-03	4.32E-03	8.76E-07	2.64E-06	1.53E-06	1.65E-06	1.50E-06	6.83E-07	1.08E-06	0.00E+00	0.00E+00	2.82E-07	5.61E-08	3.56E-07	5.49E-08	8.36E-08	8.32E-07
5511	491592.6	3860511	2.34E-03	2.53E-03	4.00E-03	8.11E-07	2.45E-06	1.42E-06	1.53E-06	1.39E-06	6.33E-07	1.00E-06	0.00E+00	0.00E+00	2.61E-07	5.19E-08	3.29E-07	5.08E-08	7.74E-08	7.70E-07
5512	491475.4	3860369	2.55E-03	2.75E-03	4.34E-03	8.81E-07	2.66E-06	1.54E-06	1.66E-06	1.51E-06	6.87E-07	1.09E-06	0.00E+00	0.00E+00	2.83E-07	5.64E-08	3.58E-07	5.52E-08	8.41E-08	8.37E-07
5513	491445.6	3860337	2.59E-03	2.80E-03	4.42E-03	8.98E-07	2.71E-06	1.57E-06	1.69E-06	1.54E-06	7.01E-07	1.11E-06	0.00E+00	0.00E+00	2.89E-07	5.75E-08	3.65E-07	5.63E-08	8.57E-08	8.53E-07
5514	491399.1	3860300	2.66E-03	2.87E-03	4.53E-03	9.20E-07	2.78E-06	1.61E-06	1.73E-06	1.57E-06	7.17E-07	1.13E-06	0.00E+00	0.00E+00	2.96E-07	5.89E-08	3.74E-07	5.76E-08	8.77E-08	8.74E-07
5515	491228.8	3860236	2.74E-03	2.96E-03	4.67E-03	9.50E-07	2.87E-06	1.66E-06	1.79E-06	1.62E-06	7.41E-07	1.17E-06	0.00E+00	0.00E+00	3.06E-07	6.08E-08	3.86E-07	5.95E-08	9.06E-08	9.02E-07
5516	491228.5	3860175	2.88E-03	3.10E-03	4.90E-03	9.96E-07	3.01E-06	1.74E-06	1.88E-06	1.70E-06	7.77E-07	1.23E-06	0.00E+00	0.00E+00	3.20E-07	6.38E-08	4.05E-07	6.24E-08	9.50E-08	9.46E-07
5517	491145.8	3860113	3.01E-03	3.25E-03	5.12E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.12E-07	1.28E-06	0.00E+00	0.00E+00	3.35E-07	6.66E-08	4.23E-07	6.52E-08	9.92E-08	9.89E-07
5518	490844.4	3859966	3.34E-03	3.60E-03	5.68E-03	1.16E-06	3.49E-06	2.02E-06	2.18E-06	1.97E-06	9.01E-07	1.42E-06	0.00E+00	0.00E+00	3.71E-07	7.39E-08	4.69E-07	7.23E-08	1.10E-07	1.10E-06
5519	490845.6	3859928	3.45E-03	3.72E-03	5.86E-03	1.19E-06	3.60E-06	2.08E-06	2.25E-06	2.04E-06	9.30E-07	1.47E-06	0.00E+00	0.00E+00	3.84E-07	7.63E-08	4.84E-07	7.47E-08	1.14E-07	1.13E-06
5520	490046.9	3859626	4.21E-03	4.54E-03	7.12E-03	1.46E-06	4.40E-06	2.55E-06	2.75E-06	2.49E-06	1.14E-06	1.78E-06	0.00E+00	0.00E+00	4.69E-07	9.33E-08	5.92E-07	9.13E-08	1.38E-07	1.38E-06
5521	489970.5	3859589	4.34E-03	4.68E-03	7.34E-03	1.50E-06	4.54E-06	2.63E-06	2.83E-06	2.57E-06	1.17E-06	1.84E-06	0.00E+00	0.00E+00	4.84E-07	9.62E-08	6.10E-07	9.41E-08	1.42E-07	1.43E-06
5522	489865.9	3859529	4.59E-03	4.94E-03	7.74E-03	1.59E-06	4.79E-06	2.78E-06	2.99E-06	2.71E-06	1.24E-06	1.94E-06	0.00E+00	0.00E+00	5.11E-07	1.01E-07	6.44E-07	9.93E-08	1.50E-07	1.51E-06

5523	489826.9	3859532	4.56E-03	4.92E-03	7.70E-03	1.58E-06	4.77E-06	2.76E-06	2.97E-06	2.70E-06	1.23E-06	1.93E-06	0.00E+00	0.00E+00	5.08E-07	1.01E-07	6.41E-07	9.88E-08	1.49E-07	1.50E-06
5524	489410.5	3859303	5.72E-03	6.16E-03	9.57E-03	1.98E-06	5.98E-06	3.46E-06	3.73E-06	3.38E-06	1.54E-06	2.39E-06	0.00E+00	0.00E+00	6.37E-07	1.27E-07	8.03E-07	1.24E-07	1.85E-07	1.88E-06
5525	489407.2	3859286	5.85E-03	6.29E-03	9.76E-03	2.02E-06	6.11E-06	3.54E-06	3.81E-06	3.45E-06	1.57E-06	2.44E-06	0.00E+00	0.00E+00	6.51E-07	1.29E-07	8.20E-07	1.26E-07	1.89E-07	1.92E-06
5526	488806.1	3858964	1.07E-02	1.14E-02	1.63E-02	3.70E-06	1.12E-05	6.47E-06	6.88E-06	6.24E-06	2.85E-06	4.08E-06	0.00E+00	0.00E+00	1.19E-06	2.34E-07	1.48E-06	2.29E-07	3.16E-07	3.45E-06
5527	488817.6	3859546	4.72E-03	5.08E-03	7.94E-03	1.63E-06	4.93E-06	2.85E-06	3.07E-06	2.79E-06	1.27E-06	1.99E-06	0.00E+00	0.00E+00	5.25E-07	1.04E-07	6.62E-07	1.02E-07	1.54E-07	1.55E-06
5528	489187.3	3859550	4.64E-03	5.00E-03	7.82E-03	1.61E-06	4.85E-06	2.81E-06	3.02E-06	2.74E-06	1.25E-06	1.96E-06	0.00E+00	0.00E+00	5.17E-07	1.03E-07	6.51E-07	1.00E-07	1.52E-07	1.52E-06
5529	489187.7	3859524	4.73E-03	5.10E-03	7.97E-03	1.64E-06	4.95E-06	2.86E-06	3.08E-06	2.80E-06	1.28E-06	1.99E-06	0.00E+00	0.00E+00	5.27E-07	1.05E-07	6.64E-07	1.02E-07	1.54E-07	1.55E-06
5530	489232.6	3859523	4.72E-03	5.08E-03	7.95E-03	1.63E-06	4.93E-06	2.86E-06	3.08E-06	2.79E-06	1.27E-06	1.99E-06	0.00E+00	0.00E+00	5.25E-07	1.04E-07	6.62E-07	1.02E-07	1.54E-07	1.55E-06
5531	489225	3859760	3.99E-03	4.30E-03	6.75E-03	1.38E-06	4.17E-06	2.41E-06	2.60E-06	2.36E-06	1.08E-06	1.69E-06	0.00E+00	0.00E+00	4.44E-07	8.83E-08	5.60E-07	8.64E-08	1.31E-07	1.31E-06
5532	488401.4	3859763	3.82E-03	4.11E-03	6.42E-03	1.32E-06	3.99E-06	2.31E-06	2.49E-06	2.26E-06	1.03E-06	1.61E-06	0.00E+00	0.00E+00	4.25E-07	8.44E-08	5.36E-07	8.26E-08	1.24E-07	1.25E-06
5533	488405.5	3859966	3.31E-03	3.56E-03	5.57E-03	1.14E-06	3.46E-06	2.00E-06	2.15E-06	1.95E-06	8.91E-07	1.39E-06	0.00E+00	0.00E+00	3.68E-07	7.31E-08	4.64E-07	7.16E-08	1.08E-07	1.08E-06
5534	489202.9	3859957	3.50E-03	3.78E-03	5.94E-03	1.21E-06	3.66E-06	2.12E-06	2.29E-06	2.07E-06	9.45E-07	1.49E-06	0.00E+00	0.00E+00	3.90E-07	7.76E-08	4.92E-07	7.59E-08	1.15E-07	1.15E-06
5535	489191.9	3860677	2.27E-03	2.45E-03	3.85E-03	7.86E-07	2.37E-06	1.37E-06	1.48E-06	1.34E-06	6.13E-07	9.63E-07	0.00E+00	0.00E+00	2.53E-07	5.03E-08	3.19E-07	4.92E-08	7.46E-08	7.46E-07
5536	488392.8	3860688	2.20E-03	2.37E-03	3.71E-03	7.61E-07	2.30E-06	1.33E-06	1.43E-06	1.30E-06	5.93E-07	9.29E-07	0.00E+00	0.00E+00	2.45E-07	4.86E-08	3.09E-07	4.76E-08	7.19E-08	7.22E-07
5537	488392.8	3860760	2.13E-03	2.30E-03	3.61E-03	7.39E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.75E-07	9.02E-07	0.00E+00	0.00E+00	2.38E-07	4.72E-08	3.00E-07	4.62E-08	6.99E-08	7.01E-07
5538	487549.1	3860777	2.04E-03	2.20E-03	3.43E-03	7.06E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.49E-07	8.58E-07	0.00E+00	0.00E+00	2.27E-07	4.51E-08	2.86E-07	4.41E-08	6.65E-08	6.69E-07
5539	487554.6	3859572	4.17E-03	4.49E-03	6.99E-03	1.44E-06	4.36E-06	2.52E-06	2.72E-06	2.46E-06	1.12E-06	1.75E-06	0.00E+00	0.00E+00	4.64E-07	9.22E-08	5.85E-07	9.03E-08	1.36E-07	1.37E-06
5540	485949.5	3859559	3.67E-03	3.96E-03	6.19E-03	1.27E-06	3.84E-06	2.22E-06	2.39E-06	2.17E-06	9.90E-07	1.55E-06	0.00E+00	0.00E+00	4.09E-07	8.13E-08	5.16E-07	7.95E-08	1.20E-07	1.21E-06
5541	485947.6	3857944	1.35E-02	1.45E-02	2.27E-02	4.67E-06	1.41E-05	8.17E-06	8.79E-06	7.97E-06	3.64E-06	5.68E-06	0.00E+00	0.00E+00	1.50E-06	2.98E-07	1.89E-06	2.92E-07	4.39E-07	4.43E-06
5542	484738.4	3857940	7.46E-03	8.04E-03	1.26E-02	2.58E-06	7.80E-06	4.52E-06	4.86E-06	4.41E-06	2.01E-06	3.15E-06	0.00E+00	0.00E+00	8.31E-07	1.65E-07	1.05E-06	1.62E-07	2.44E-07	2.45E-06
5543	484737.1	3857536	9.62E-03	1.04E-02	1.62E-02	3.33E-06	1.01E-05	5.82E-06	6.27E-06	5.68E-06	2.59E-06	4.05E-06	0.00E+00	0.00E+00	1.07E-06	2.13E-07	1.35E-06	2.08E-07	3.14E-07	3.16E-06
5544	483730.2	3857530	6.41E-03	6.91E-03	1.08E-02	2.22E-06	6.70E-06	3.88E-06	4.18E-06	3.79E-06	1.73E-06	2.71E-06	0.00E+00	0.00E+00	7.14E-07	1.42E-07	9.00E-07	1.39E-07	2.10E-07	2.10E-06
5545	483727.3	3857130	7.79E-03	8.39E-03	1.32E-02	2.70E-06	8.14E-06	4.71E-06	5.08E-06	4.60E-06	2.10E-06	3.29E-06	0.00E+00	0.00E+00	8.67E-07	1.72E-07	1.09E-06	1.69E-07	2.55E-07	2.56E-06
5546	483124.4	3857123	6.13E-03	6.61E-03	1.04E-02	2.12E-06	6.41E-06	3.71E-06	4.00E-06	3.63E-06	1.65E-06	2.60E-06	0.00E+00	0.00E+00	6.83E-07	1.36E-07	8.62E-07	1.33E-07	2.01E-07	2.01E-06
5547	483111.1	3855921	1.05E-02	1.13E-02	1.78E-02	3.62E-06	1.09E-05	6.34E-06	6.83E-06	6.19E-06	2.83E-06	4.45E-06	0.00E+00	0.00E+00	1.17E-06	2.32E-07	1.47E-06	2.27E-07	3.45E-07	3.44E-06
5548	482701.7	3855918	8.20E-03	8.85E-03	1.40E-02	2.84E-06	8.57E-06	4.96E-06	5.35E-06	4.85E-06	2.21E-06	3.50E-06	0.00E+00	0.00E+00	9.13E-07	1.82E-07	1.15E-06	1.78E-07	2.71E-07	2.70E-06
5549	482668	3853522	5.39E-03	5.75E-03	8.35E-03	1.87E-06	5.63E-06	3.26E-06	3.48E-06	3.15E-06	1.44E-06	2.09E-06	0.00E+00	0.00E+00	6.00E-07	1.18E-07	7.49E-07	1.16E-07	1.62E-07	1.74E-06
5550	482579.9	3853219	3.05E-03	3.27E-03	5.05E-03	1.05E-06	3.18E-06	1.84E-06	1.98E-06	1.80E-06	8.20E-07	1.26E-06	0.00E+00	0.00E+00	3.39E-07	6.73E-08	4.27E-07	6.58E-08	9.78E-08	9.97E-07
5551	482434.1	3852962	2.39E-03	2.57E-03	4.00E-03	8.27E-07	2.50E-06	1.45E-06	1.56E-06	1.41E-06	6.44E-07	1.00E-06	0.00E+00	0.00E+00	2.66E-07	5.28E-08	3.35E-07	5.17E-08	7.75E-08	7.83E-07
5552	482332.1	3852833	2.18E-03	2.35E-03	3.66E-03	7.54E-07	2.28E-06	1.32E-06	1.42E-06	1.29E-06	5.87E-07	9.15E-07	0.00E+00	0.00E+00	2.42E-07	4.82E-08	3.06E-07	4.71E-08	7.08E-08	7.14E-07
5553	481335	3851819	1.30E-03	1.40E-03	2.20E-03	4.50E-07	1.36E-06	7.87E-07	8.48E-07	7.69E-07	3.51E-07	5.50E-07	0.00E+00	0.00E+00	1.45E-07	2.88E-08	1.83E-07	2.82E-08	4.26E-08	4.27E-07
5554	481127.6	3851646	1.22E-03	1.31E-03	2.06E-03	4.22E-07	1.27E-06	7.37E-07	7.94E-07	7.20E-07	3.28E-07	5.15E-07	0.00E+00	0.00E+00	1.36E-07	2.70E-08	1.71E-07	2.64E-08	3.99E-08	4.00E-07
5555	481025	3851592	1.20E-03	1.29E-03	2.03E-03	4.15E-07	1.25E-06	7.25E-07	7.81E-07	7.08E-07	3.23E-07	5.07E-07	0.00E+00	0.00E+00	1.33E-07	2.65E-08	1.68E-07	2.59E-08	3.93E-08	3.93E-07
5556	480513.6	3851336	1.11E-03	1.20E-03	1.89E-03	3.84E-07	1.16E-06	6.71E-07	7.24E-07	6.56E-07	2.99E-07	4.72E-07	0.00E+00	0.00E+00	1.23E-07	2.46E-08	1.56E-07	2.40E-08	3.65E-08	3.64E-07
5557	480523.6	3851318	1.10E-03	1.19E-03	1.87E-03	3.81E-07	1.15E-06	6.67E-07	7.19E-07	6.51E-07	2.97E-07	4.69E-07	0.00E+00	0.00E+00	1.23E-07	2.44E-08	1.55E-07	2.39E-08	3.63E-08	3.62E-07
5558	476921.6	3849569	3.89E-04	4.19E-04	6.58E-04	1.35E-07	4.06E-07	2.35E-07	2.53E-07	2.30E-07	1.05E-07	1.65E-07	0.00E+00	0.00E+00	4.33E-08	8.60E-09	5.46E-08	8.42E-09	1.27E-08	1.28E-07
5559	476521.2	3849374	3.68E-04	3.97E-04	6.25E-04	1.28E-07	3.85E-07	2.23E-07	2.40E-07	2.18E-07	9.94E-08	1.56E-07	0.00E+00	0.00E+00	4.10E-08	8.16E-09	5.18E-08	7.98E-09	1.21E-08	1.21E-07
5560	476391.5	3849333	3.67E-04	3.96E-04	6.23E-04	1.27E-07	3.84E-07	2.22E-07	2.40E-07	2.17E-07	9.91E-08	1.56E-07	0.00E+00	0.00E+00	4.09E-08	8.14E-09	5.16E-08	7.96E-09	1.21E-08	1.21E-07
5561	476219.4	3849304	3.69E-04	3.98E-04	6.26E-04	1.28E-07	3.86E-07	2.23E-07	2.41E-07	2.18E-07	9.96E-08	1.57E-07	0.00E+00	0.00E+00	4.11E-08	8.17E-09	5.19E-08	8.00E-09	1.21E-08	1.21E-07
5562	475679.1	3849218	3.61E-04	3.90E-04	6.14E-04	1.25E-07	3.78E-07	2.19E-07	2.36E-07	2.14E-07	9.75E-08	1.54E-07	0.00E+00	0.00E+00	4.02E-08	8.00E-09	5.08E-08	7.83E-09	1.19E-08	1.19E-07
5563	475677.7	3849234	3.64E-04	3.93E-04	6.19E-04	1.26E-07	3.81E-07	2.20E-07	2.38E-07	2.15E-07	9.83E-08	1.55E-07	0.00E+00	0.00E+00	4.05E-08	8.06E-09	5.12E-08	7.89E-09	1.20E-08	1.20E-07
5564	475492.7	3849205	3.21E-04	3.46E-04	5.47E-04	1.11E-07	3.35E-07	1.94E-07	2.09E-07	1.90E-07	8.66E-08	1.37E-07	0.00E+00	0.00E+00	3.57E-08	7.11E-09	4.51E-08	6.96E-09	1.06E-08	1.05E-07
5565	475497.6	3849159	3.33E-04	3.59E-04	5.66E-04	1.15E-07	3.48E-07	2.01E-07	2.17E-07	1.97E-07	8.98E-08	1.42E-07	0.00E+00	0.00E+00	3.70E-08	7.37E-09	4.68E-08	7.21E-09	1.10E-08	1.09E-07
5566	475391.4	3849142	3.46E-04	3.73E-04	5.88E-04	1.20E-07	3.61E-07	2.09E-07	2.26E-07	2.05E-07	9.33E-08	1.47E-07	0.00E+00	0.00E+00	3.85E-08	7.66E-09	4.86E-08	7.49E-09	1.14E-08	1.14E-07
5567	475277	3849095	3.46E-04	3.73E-04	5.89E-04	1.20E-07	3.62E-07	2.09E-07	2.26E-07	2.05E-07	9.34E-08	1.47E-07	0.00E+00	0.00E+00	3.85E-08	7.67E-09	4.86E-08	7.50E-09	1.14E-08	1.14E-07
5568	475183.9	3849026	3.39E-04	3.66E-04	5.78E-04	1.18E-07	3.55E-07	2.05E-07	2.22E-07	2.01E-07	9.16E-08	1.45E-07	0.00E+00	0.00E+00	3.78E-08	7.52E-09	4.77E-08	7.36E-09	1.12E-08	1.12E-07
5569	474453.2	3848379	2.93E-04	3.16E-04	4.99E-04	1.02E-07	3.07E-07	1.77E-07	1.91E-07	1.73E-07	7.91E-08	1.25E-07	0.00E+00	0.00E+00	3.26E-08	6.49E-09	4.12E-08	6.36E-09	9.66E-09	9.64E-08
5570	474569.6	3848399	2.90E-04	3.12E-04	4.93E-04	1.00E-07	3.03E-07	1.75E-07	1.89E-07	1.71E-07	7.82E-08	1.23E-07	0.00E+00	0.00E+00	3.22E-08	6.41E-09	4.07E-08	6.28E-09	9.54E-09	9.52E-08
5571	474644.3	3848465	2.95E-04	3.18E-04	5.01E-04	1.02E-07	3.08E-07	1.78E-07	1.92E-07	1.74E-07	7.96E-08	1.25E-07	0.00E+00	0.00E+00	3.28E-08	6.53E-09	4.14E-08	6.39E-09	9.72E-09	9.69E-08
5572	474719	3848530	2.99E-04	3.23E-04	5.09E-04	1.04E-07	3.13E-07	1.81E-07	1.95E-07	1.77E-07	8.08E-08	1.27E-07	0.00E+00	0.00E+00	3.33E-08	6.63E-09	4.21E-08	6.49E-09	9.87E-09	9.84E-08
5573	474793.7	3848595	3.01E-04	3.25E-04	5.13E-04	1.04E-07	3.15E-07	1.82E-07	1.97E-07	1.78E-07	8.13E-08	1.28E-07	0.00E+00	0.00E+00	3.36E-08	6.68E-09	4.24E-08	6.53E-09	9.94E-09	9.91E-08
5574	474868.5	3848660	3.01E-04	3.25E-04	5.13E-04	1.04E-07	3.15E-07	1.82E-07	1.97E-07	1.78E-07	8.13E-08	1.28E-07	0.00E+00	0.00E+00	3.36E-08	6.68E-09	4.24E-08	6.53E-09	9.94E-09	9.91E-08
5575	474943.2	3848725	3.04E-04	3.28E-04	5.17E-04	1.05E-07	3.18E-07	1.84E-07	1.98E-07	1.80E-07	8.20E-08	1.29E-07	0.00E+00	0.00E+00	3.38E-08	6.73E-09	4.27E-08	6.58E-09	1.00E-08	9.98E-08
5576	475017.9	3848790	3.10E-04	3.34E-04	5.28E-04	1.07E-07	3.24E-07	1.88E-07	2.02E-07	1.83E-07	8.37E-08	1.32E-07	0.00E+00	0.00E+00	3.45E-08	6.87E-09	4.36E-08	6.72E-09	1.02E-08	1.02E-07
5577	475092.6	3848856	3.18E-04	3.43E-04	5.41E-04	1.10E-07	3.32E-07	1.92E-07	2.08E-07	1.88E-07	8.58E-08	1.35E-07	0.00E+00	0.00E+00	3.54E-08	7.04E-09	4.47E-08	6.89E-09	1.05E-08	1.05E-07
5578	475232.6	3848959	3.28E-04	3.54E-04	5.59E-04	1.14E-07	3.43E-07	1.99E-07	2.14E-07	1.94E-07	8.87E-08	1.40E-07	0.00E+00	0.00E+00	3.66E-08	7.28E-09	4.62E-08	7.12E-09	1.08E-08	1.08E-07
5579	475368.5	3849030	3.31E-04	3.57E-04	5.64E-04	1.15E-07	3.46E-07	2.00E-07	2.16E-07	1.96E-07	8.94E-08	1.41E-07	0.00E+00	0.00E+00	3.69E-08	7.34E-09	4.66E-08	7.18E-09	1.09E-08	1.09E-07

5580	475609.6	3849096	3.30E-04	3.56E-04	5.61E-04	1.14E-07	3.45E-07	2.00E-07	2.15E-07	1.95E-07	8.91E-08	1.41E-07	0.00E+00	0.00E+00	3.67E-08	7.31E-09	4.64E-08	7.15E-09	1.09E-08	1.08E-07
5581	475680.7	3849117	3.39E-04	3.65E-04	5.76E-04	1.17E-07	3.54E-07	2.05E-07	2.21E-07	2.00E-07	9.14E-08	1.44E-07	0.00E+00	0.00E+00	3.77E-08	7.50E-09	4.76E-08	7.34E-09	1.12E-08	1.11E-07
5582	475843.8	3849152	3.46E-04	3.73E-04	5.87E-04	1.20E-07	3.61E-07	2.09E-07	2.25E-07	2.04E-07	9.33E-08	1.47E-07	0.00E+00	0.00E+00	3.85E-08	7.65E-09	4.86E-08	7.49E-09	1.14E-08	1.14E-07
5583	475935.7	3849166	3.53E-04	3.81E-04	5.99E-04	1.22E-07	3.69E-07	2.14E-07	2.30E-07	2.09E-07	9.53E-08	1.50E-07	0.00E+00	0.00E+00	3.93E-08	7.82E-09	4.96E-08	7.65E-09	1.16E-08	1.16E-07
5584	476027.7	3849180	3.57E-04	3.85E-04	6.06E-04	1.24E-07	3.73E-07	2.16E-07	2.33E-07	2.11E-07	9.64E-08	1.52E-07	0.00E+00	0.00E+00	3.98E-08	7.91E-09	5.02E-08	7.74E-09	1.17E-08	1.17E-07
5585	476119.7	3849195	3.50E-04	3.78E-04	5.95E-04	1.21E-07	3.66E-07	2.12E-07	2.29E-07	2.07E-07	9.46E-08	1.49E-07	0.00E+00	0.00E+00	3.90E-08	7.76E-09	4.92E-08	7.59E-09	1.15E-08	1.15E-07
5586	476211.7	3849209	3.48E-04	3.76E-04	5.91E-04	1.21E-07	3.64E-07	2.11E-07	2.27E-07	2.06E-07	9.40E-08	1.48E-07	0.00E+00	0.00E+00	3.88E-08	7.71E-09	4.89E-08	7.55E-09	1.15E-08	1.14E-07
5587	476497.8	3849284	3.50E-04	3.77E-04	5.94E-04	1.21E-07	3.66E-07	2.12E-07	2.28E-07	2.07E-07	9.44E-08	1.49E-07	0.00E+00	0.00E+00	3.89E-08	7.75E-09	4.91E-08	7.58E-09	1.15E-08	1.15E-07
5588	476603.7	3849324	3.54E-04	3.82E-04	6.00E-04	1.23E-07	3.70E-07	2.14E-07	2.31E-07	2.09E-07	9.55E-08	1.50E-07	0.00E+00	0.00E+00	3.94E-08	7.84E-09	4.97E-08	7.67E-09	1.16E-08	1.16E-07
5589	476729	3849383	3.60E-04	3.88E-04	6.10E-04	1.24E-07	3.76E-07	2.18E-07	2.35E-07	2.13E-07	9.70E-08	1.53E-07	0.00E+00	0.00E+00	4.00E-08	7.96E-09	5.05E-08	7.79E-09	1.18E-08	1.18E-07
5590	476801.3	3849419	3.64E-04	3.92E-04	6.16E-04	1.26E-07	3.80E-07	2.20E-07	2.37E-07	2.15E-07	9.81E-08	1.54E-07	0.00E+00	0.00E+00	4.05E-08	8.05E-09	5.11E-08	7.88E-09	1.19E-08	1.19E-07
5591	476956.2	3849495	3.73E-04	4.01E-04	6.31E-04	1.29E-07	3.89E-07	2.25E-07	2.43E-07	2.20E-07	1.00E-07	1.58E-07	0.00E+00	0.00E+00	4.15E-08	8.25E-09	5.23E-08	8.07E-09	1.22E-08	1.22E-07
5592	477038.8	3849536	3.75E-04	4.04E-04	6.35E-04	1.30E-07	3.92E-07	2.27E-07	2.45E-07	2.22E-07	1.01E-07	1.59E-07	0.00E+00	0.00E+00	4.18E-08	8.31E-09	5.27E-08	8.13E-09	1.23E-08	1.23E-07
5593	477121.5	3849576	3.80E-04	4.10E-04	6.44E-04	1.32E-07	3.97E-07	2.30E-07	2.48E-07	2.25E-07	1.03E-07	1.61E-07	0.00E+00	0.00E+00	4.23E-08	8.41E-09	5.34E-08	8.23E-09	1.25E-08	1.25E-07
5594	477204.1	3849617	3.84E-04	4.13E-04	6.49E-04	1.33E-07	4.01E-07	2.32E-07	2.50E-07	2.27E-07	1.03E-07	1.63E-07	0.00E+00	0.00E+00	4.27E-08	8.49E-09	5.39E-08	8.31E-09	1.26E-08	1.26E-07
5595	477286.8	3849657	3.81E-04	4.10E-04	6.45E-04	1.32E-07	3.98E-07	2.30E-07	2.48E-07	2.25E-07	1.03E-07	1.61E-07	0.00E+00	0.00E+00	4.24E-08	8.43E-09	5.35E-08	8.25E-09	1.25E-08	1.25E-07
5596	477369.4	3849698	3.94E-04	4.25E-04	6.67E-04	1.37E-07	4.12E-07	2.39E-07	2.57E-07	2.33E-07	1.06E-07	1.67E-07	0.00E+00	0.00E+00	4.39E-08	8.73E-09	5.54E-08	8.54E-09	1.29E-08	1.30E-07
5597	477452.1	3849738	3.99E-04	4.30E-04	6.75E-04	1.38E-07	4.17E-07	2.41E-07	2.60E-07	2.36E-07	1.08E-07	1.69E-07	0.00E+00	0.00E+00	4.44E-08	8.83E-09	5.60E-08	8.64E-09	1.31E-08	1.31E-07
5598	477534.7	3849779	4.11E-04	4.43E-04	6.95E-04	1.42E-07	4.30E-07	2.49E-07	2.68E-07	2.43E-07	1.11E-07	1.74E-07	0.00E+00	0.00E+00	4.58E-08	9.10E-09	5.77E-08	8.90E-09	1.35E-08	1.35E-07
5599	477617.4	3849819	4.17E-04	4.49E-04	7.05E-04	1.44E-07	4.36E-07	2.52E-07	2.72E-07	2.47E-07	1.12E-07	1.76E-07	0.00E+00	0.00E+00	4.64E-08	9.23E-09	5.86E-08	9.03E-09	1.37E-08	1.37E-07
5600	477824.7	3849896	4.41E-04	4.75E-04	7.45E-04	1.53E-07	4.61E-07	2.67E-07	2.87E-07	2.61E-07	1.19E-07	1.86E-07	0.00E+00	0.00E+00	4.91E-08	9.76E-09	6.19E-08	9.55E-09	1.44E-08	1.45E-07
5601	477906.3	3849936	4.40E-04	4.75E-04	7.45E-04	1.52E-07	4.60E-07	2.66E-07	2.87E-07	2.60E-07	1.19E-07	1.87E-07	0.00E+00	0.00E+00	4.90E-08	9.75E-09	6.19E-08	9.54E-09	1.44E-08	1.45E-07
5602	477987.9	3849976	4.55E-04	4.90E-04	7.70E-04	1.57E-07	4.76E-07	2.75E-07	2.97E-07	2.69E-07	1.23E-07	1.93E-07	0.00E+00	0.00E+00	5.06E-08	1.01E-08	6.39E-08	9.85E-09	1.49E-08	1.49E-07
5603	478069.5	3850016	4.60E-04	4.95E-04	7.78E-04	1.59E-07	4.80E-07	2.78E-07	3.00E-07	2.72E-07	1.24E-07	1.95E-07	0.00E+00	0.00E+00	5.12E-08	1.02E-08	6.46E-08	9.96E-09	1.51E-08	1.51E-07
5604	478151	3850056	4.66E-04	5.02E-04	7.89E-04	1.61E-07	4.87E-07	2.82E-07	3.04E-07	2.75E-07	1.26E-07	1.98E-07	0.00E+00	0.00E+00	5.18E-08	1.03E-08	6.54E-08	1.01E-08	1.53E-08	1.53E-07
5605	478232.6	3850096	4.80E-04	5.18E-04	8.14E-04	1.66E-07	5.02E-07	2.91E-07	3.13E-07	2.84E-07	1.30E-07	2.04E-07	0.00E+00	0.00E+00	5.35E-08	1.06E-08	6.75E-08	1.04E-08	1.58E-08	1.58E-07
5606	478314.2	3850136	4.97E-04	5.36E-04	8.42E-04	1.72E-07	5.19E-07	3.01E-07	3.24E-07	2.94E-07	1.34E-07	2.11E-07	0.00E+00	0.00E+00	5.53E-08	1.10E-08	6.98E-08	1.08E-08	1.63E-08	1.63E-07
5607	478395.8	3850176	5.15E-04	5.55E-04	8.73E-04	1.78E-07	5.38E-07	3.12E-07	3.36E-07	3.04E-07	1.39E-07	2.18E-07	0.00E+00	0.00E+00	5.73E-08	1.14E-08	7.23E-08	1.12E-08	1.69E-08	1.69E-07
5608	478575.4	3850244	5.63E-04	6.07E-04	9.56E-04	1.95E-07	5.89E-07	3.41E-07	3.67E-07	3.33E-07	1.52E-07	2.39E-07	0.00E+00	0.00E+00	6.27E-08	1.25E-08	7.91E-08	1.22E-08	1.85E-08	1.85E-07
5609	478665.1	3850287	5.88E-04	6.34E-04	9.98E-04	2.04E-07	6.15E-07	3.56E-07	3.84E-07	3.48E-07	1.59E-07	2.50E-07	0.00E+00	0.00E+00	6.55E-08	1.30E-08	8.26E-08	1.27E-08	1.93E-08	1.93E-07
5610	478754.7	3850330	6.15E-04	6.63E-04	1.04E-03	2.13E-07	6.43E-07	3.72E-07	4.01E-07	3.64E-07	1.66E-07	2.61E-07	0.00E+00	0.00E+00	6.85E-08	1.36E-08	8.64E-08	1.33E-08	2.02E-08	2.02E-07
5611	478844.3	3850373	6.44E-04	6.95E-04	1.09E-03	2.23E-07	6.74E-07	3.90E-07	4.20E-07	3.81E-07	1.74E-07	2.74E-07	0.00E+00	0.00E+00	7.17E-08	1.43E-08	9.06E-08	1.40E-08	2.12E-08	2.12E-07
5612	478934	3850416	6.75E-04	7.28E-04	1.15E-03	2.34E-07	7.06E-07	4.08E-07	4.40E-07	3.99E-07	1.82E-07	2.87E-07	0.00E+00	0.00E+00	7.51E-08	1.49E-08	9.49E-08	1.46E-08	2.22E-08	2.22E-07
5613	479023.6	3850459	6.99E-04	7.54E-04	1.19E-03	2.42E-07	7.31E-07	4.23E-07	4.56E-07	4.14E-07	1.89E-07	2.98E-07	0.00E+00	0.00E+00	7.78E-08	1.55E-08	9.83E-08	1.52E-08	2.30E-08	2.30E-07
5614	479110.7	3850442	7.37E-04	7.94E-04	1.25E-03	2.55E-07	7.70E-07	4.46E-07	4.81E-07	4.36E-07	1.99E-07	3.14E-07	0.00E+00	0.00E+00	8.20E-08	1.63E-08	1.04E-07	1.60E-08	2.43E-08	2.42E-07
5615	479191.2	3850424	7.64E-04	8.24E-04	1.30E-03	2.64E-07	7.99E-07	4.62E-07	4.99E-07	4.52E-07	2.06E-07	3.26E-07	0.00E+00	0.00E+00	8.50E-08	1.69E-08	1.07E-07	1.66E-08	2.52E-08	2.51E-07
5616	479274.3	3850466	7.84E-04	8.46E-04	1.34E-03	2.72E-07	8.20E-07	4.75E-07	5.12E-07	4.64E-07	2.12E-07	3.35E-07	0.00E+00	0.00E+00	8.73E-08	1.74E-08	1.10E-07	1.70E-08	2.59E-08	2.58E-07
5617	479357.4	3850507	8.01E-04	8.65E-04	1.37E-03	2.77E-07	8.38E-07	4.85E-07	5.23E-07	4.74E-07	2.16E-07	3.42E-07	0.00E+00	0.00E+00	8.92E-08	1.78E-08	1.13E-07	1.74E-08	2.65E-08	2.64E-07
5618	479440.5	3850549	8.16E-04	8.80E-04	1.39E-03	2.82E-07	8.53E-07	4.94E-07	5.33E-07	4.83E-07	2.20E-07	3.49E-07	0.00E+00	0.00E+00	9.08E-08	1.81E-08	1.15E-07	1.77E-08	2.70E-08	2.68E-07
5619	479523.6	3850591	8.31E-04	8.97E-04	1.42E-03	2.88E-07	8.69E-07	5.03E-07	5.43E-07	4.92E-07	2.24E-07	3.55E-07	0.00E+00	0.00E+00	9.25E-08	1.84E-08	1.17E-07	1.80E-08	2.75E-08	2.73E-07
5620	479606.7	3850633	8.48E-04	9.15E-04	1.45E-03	2.94E-07	8.86E-07	5.13E-07	5.54E-07	5.02E-07	2.29E-07	3.63E-07	0.00E+00	0.00E+00	9.44E-08	1.88E-08	1.19E-07	1.84E-08	2.81E-08	2.79E-07
5621	479777.4	3850708	8.75E-04	9.44E-04	1.50E-03	3.03E-07	9.14E-07	5.29E-07	5.71E-07	5.18E-07	2.36E-07	3.74E-07	0.00E+00	0.00E+00	9.74E-08	1.94E-08	1.23E-07	1.90E-08	2.90E-08	2.88E-07
5622	479864.9	3850741	8.88E-04	9.58E-04	1.52E-03	3.07E-07	9.28E-07	5.37E-07	5.80E-07	5.25E-07	2.40E-07	3.80E-07	0.00E+00	0.00E+00	9.88E-08	1.97E-08	1.25E-07	1.92E-08	2.94E-08	2.92E-07
5623	479931.9	3850830	9.16E-04	9.89E-04	1.57E-03	3.17E-07	9.58E-07	5.54E-07	5.98E-07	5.42E-07	2.47E-07	3.92E-07	0.00E+00	0.00E+00	1.02E-07	2.03E-08	1.29E-07	1.99E-08	3.03E-08	3.01E-07
5624	479995.6	3850927	9.52E-04	1.03E-03	1.63E-03	3.30E-07	9.96E-07	5.76E-07	6.22E-07	5.64E-07	2.57E-07	4.07E-07	0.00E+00	0.00E+00	1.06E-07	2.11E-08	1.34E-07	2.07E-08	3.15E-08	3.13E-07
5625	480079.8	3850969	9.71E-04	1.05E-03	1.66E-03	3.36E-07	1.02E-06	5.88E-07	6.34E-07	5.75E-07	2.62E-07	4.15E-07	0.00E+00	0.00E+00	1.08E-07	2.15E-08	1.37E-07	2.11E-08	3.21E-08	3.19E-07
5626	480164	3851011	9.88E-04	1.07E-03	1.68E-03	3.42E-07	1.03E-06	5.98E-07	6.45E-07	5.85E-07	2.67E-07	4.22E-07	0.00E+00	0.00E+00	1.10E-07	2.19E-08	1.39E-07	2.14E-08	3.26E-08	3.25E-07
5627	480248.2	3851052	1.00E-03	1.08E-03	1.71E-03	3.47E-07	1.05E-06	6.07E-07	6.55E-07	5.93E-07	2.71E-07	4.28E-07	0.00E+00	0.00E+00	1.12E-07	2.22E-08	1.41E-07	2.17E-08	3.31E-08	3.30E-07
5628	480332.5	3851094	1.02E-03	1.10E-03	1.73E-03	3.52E-07	1.06E-06	6.15E-07	6.63E-07	6.01E-07	2.74E-07	4.33E-07	0.00E+00	0.00E+00	1.13E-07	2.25E-08	1.43E-07	2.20E-08	3.35E-08	3.34E-07
5629	480416.7	3851136	1.03E-03	1.11E-03	1.75E-03	3.55E-07	1.07E-06	6.21E-07	6.69E-07	6.07E-07	2.77E-07	4.37E-07	0.00E+00	0.00E+00	1.14E-07	2.27E-08	1.44E-07	2.22E-08	3.38E-08	3.37E-07
5630	480580	3851215	1.04E-03	1.13E-03	1.77E-03	3.62E-07	1.09E-06	6.32E-07	6.81E-07	6.18E-07	2.82E-07	4.44E-07	0.00E+00	0.00E+00	1.16E-07	2.31E-08	1.47E-07	2.26E-08	3.44E-08	3.43E-07
5631	480659	3851252	1.05E-03	1.14E-03	1.79E-03	3.65E-07	1.10E-06	6.37E-07	6.87E-07	6.23E-07	2.84E-07	4.47E-07	0.00E+00	0.00E+00	1.17E-07	2.33E-08	1.48E-07	2.28E-08	3.46E-08	3.46E-07
5632	480817.4	3851328	1.07E-03	1.15E-03	1.81E-03	3.71E-07	1.12E-06	6.48E-07	6.99E-07	6.33E-07	2.89E-07	4.54E-07	0.00E+00	0.00E+00	1.19E-07	2.37E-08	1.50E-07	2.32E-08	3.52E-08	3.52E-07
5633	480896.7	3851366	1.08E-03	1.16E-03	1.83E-03	3.74E-07	1.13E-06	6.53E-07	7.04E-07	6.38E-07	2.91E-07	4.57E-07	0.00E+00	0.00E+00	1.20E-07	2.39E-08	1.52E-07	2.34E-08	3.54E-08	3.54E-07
5634	480976.1	3851405	1.09E-03	1.17E-03	1.84E-03	3.77E-07	1.14E-06	6.59E-07	7.10E-07	6.43E-07	2.94E-07	4.61E-07	0.00E+00	0.00E+00	1.21E-07	2.41E-08	1.53E-07	2.36E-08	3.57E-08	3.57E-07
5635	481178	3851487	1.10E-03	1.19E-03	1.86E-03	3.82E-07	1.15E-06	6.68E-07	7.20E-07	6.52E-07	2.98E-07	4.67E-07	0.00E+00	0.00E+00	1.23E-07	2.44E-08	1.55E-07	2.39E-08	3.61E-08	3.62E-07
5636	481244.9	3851557	1.14E-03	1.22E-03	1.92E-03	3.93E-07	1.19E-06	6.88E-07	7.41E-07	6.72E-07	3.06E-07	4.80E-07	0.00E+00	0.00E+00	1.27E-07	2.51E-08	1.60E-07	2.46E-08	3.72E-08	3.73E-07

5637	481311.8	3851627	1.17E-03	1.26E-03	1.97E-03	4.05E-07	1.22E-06	7.07E-07	7.62E-07	6.91E-07	3.15E-07	4.94E-07	0.00E+00	0.00E+00	1.30E-07	2.59E-08	1.64E-07	2.53E-08	3.82E-08	3.84E-07
5638	481378.7	3851697	1.20E-03	1.30E-03	2.03E-03	4.16E-07	1.26E-06	7.27E-07	7.84E-07	7.10E-07	3.24E-07	5.08E-07	0.00E+00	0.00E+00	1.34E-07	2.66E-08	1.69E-07	2.60E-08	3.93E-08	3.95E-07
5639	481445.6	3851767	1.24E-03	1.33E-03	2.09E-03	4.28E-07	1.29E-06	7.49E-07	8.07E-07	7.31E-07	3.34E-07	5.23E-07	0.00E+00	0.00E+00	1.38E-07	2.74E-08	1.74E-07	2.68E-08	4.05E-08	4.06E-07
5640	481512.5	3851837	1.27E-03	1.37E-03	2.15E-03	4.41E-07	1.33E-06	7.71E-07	8.30E-07	7.53E-07	3.43E-07	5.38E-07	0.00E+00	0.00E+00	1.42E-07	2.82E-08	1.79E-07	2.76E-08	4.17E-08	4.18E-07
5641	481579.4	3851906	1.31E-03	1.41E-03	2.21E-03	4.54E-07	1.37E-06	7.93E-07	8.55E-07	7.75E-07	3.54E-07	5.54E-07	0.00E+00	0.00E+00	1.46E-07	2.90E-08	1.84E-07	2.84E-08	4.29E-08	4.30E-07
5642	481646.3	3851976	1.35E-03	1.46E-03	2.28E-03	4.68E-07	1.41E-06	8.18E-07	8.81E-07	7.99E-07	3.64E-07	5.71E-07	0.00E+00	0.00E+00	1.50E-07	2.99E-08	1.90E-07	2.93E-08	4.42E-08	4.44E-07
5643	481713.2	3852046	1.39E-03	1.50E-03	2.34E-03	4.80E-07	1.45E-06	8.40E-07	9.05E-07	8.20E-07	3.74E-07	5.87E-07	0.00E+00	0.00E+00	1.55E-07	3.07E-08	1.95E-07	3.01E-08	4.54E-08	4.56E-07
5644	481780.1	3852116	1.44E-03	1.55E-03	2.42E-03	4.97E-07	1.50E-06	8.69E-07	9.36E-07	8.48E-07	3.87E-07	6.07E-07	0.00E+00	0.00E+00	1.60E-07	3.18E-08	2.02E-07	3.11E-08	4.70E-08	4.71E-07
5645	481847	3852186	1.49E-03	1.61E-03	2.52E-03	5.17E-07	1.56E-06	9.04E-07	9.73E-07	8.82E-07	4.03E-07	6.31E-07	0.00E+00	0.00E+00	1.66E-07	3.30E-08	2.10E-07	3.23E-08	4.88E-08	4.90E-07
5646	481913.9	3852256	1.55E-03	1.67E-03	2.61E-03	5.36E-07	1.62E-06	9.37E-07	1.01E-06	9.15E-07	4.17E-07	6.53E-07	0.00E+00	0.00E+00	1.72E-07	3.42E-08	2.17E-07	3.35E-08	5.06E-08	5.08E-07
5647	481980.8	3852326	1.61E-03	1.73E-03	2.70E-03	5.56E-07	1.68E-06	9.71E-07	1.05E-06	9.48E-07	4.33E-07	6.76E-07	0.00E+00	0.00E+00	1.79E-07	3.55E-08	2.25E-07	3.48E-08	5.24E-08	5.27E-07
5648	482047.7	3852396	1.66E-03	1.79E-03	2.80E-03	5.75E-07	1.74E-06	1.01E-06	1.08E-06	9.82E-07	4.48E-07	7.00E-07	0.00E+00	0.00E+00	1.85E-07	3.68E-08	2.33E-07	3.60E-08	5.42E-08	5.45E-07
5649	482114.6	3852465	1.72E-03	1.85E-03	2.89E-03	5.96E-07	1.80E-06	1.04E-06	1.12E-06	1.02E-06	4.64E-07	7.24E-07	0.00E+00	0.00E+00	1.92E-07	3.81E-08	2.42E-07	3.73E-08	5.61E-08	5.65E-07
5650	482181.5	3852535	1.79E-03	1.92E-03	3.00E-03	6.18E-07	1.87E-06	1.08E-06	1.16E-06	1.05E-06	4.81E-07	7.50E-07	0.00E+00	0.00E+00	1.99E-07	3.95E-08	2.50E-07	3.86E-08	5.81E-08	5.85E-07
5651	482338.7	3852700	1.95E-03	2.10E-03	3.27E-03	6.76E-07	2.04E-06	1.18E-06	1.27E-06	1.15E-06	5.26E-07	8.19E-07	0.00E+00	0.00E+00	2.17E-07	4.32E-08	2.74E-07	4.22E-08	6.34E-08	6.40E-07
5652	482404.1	3852768	2.03E-03	2.19E-03	3.41E-03	7.04E-07	2.13E-06	1.23E-06	1.32E-06	1.20E-06	5.48E-07	8.53E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.85E-07	4.40E-08	6.60E-08	6.67E-07
5653	482469.4	3852836	2.13E-03	2.29E-03	3.56E-03	7.36E-07	2.22E-06	1.29E-06	1.38E-06	1.25E-06	5.73E-07	8.90E-07	0.00E+00	0.00E+00	2.37E-07	4.70E-08	2.98E-07	4.60E-08	6.89E-08	6.97E-07
5654	482534.8	3852903	2.23E-03	2.40E-03	3.73E-03	7.73E-07	2.33E-06	1.35E-06	1.45E-06	1.32E-06	6.01E-07	9.34E-07	0.00E+00	0.00E+00	2.49E-07	4.93E-08	3.13E-07	4.83E-08	7.23E-08	7.32E-07
5655	482600.1	3852971	2.36E-03	2.54E-03	3.94E-03	8.16E-07	2.46E-06	1.43E-06	1.54E-06	1.39E-06	6.35E-07	9.86E-07	0.00E+00	0.00E+00	2.62E-07	5.21E-08	3.31E-07	5.10E-08	7.63E-08	7.72E-07
5656	482706.7	3853119	2.72E-03	2.92E-03	4.52E-03	9.41E-07	2.84E-06	1.64E-06	1.77E-06	1.60E-06	7.32E-07	1.13E-06	0.00E+00	0.00E+00	3.03E-07	6.00E-08	3.81E-07	5.87E-08	8.76E-08	8.90E-07
5657	482748	3853200	2.97E-03	3.20E-03	4.92E-03	1.03E-06	3.11E-06	1.80E-06	1.93E-06	1.75E-06	8.00E-07	1.23E-06	0.00E+00	0.00E+00	3.31E-07	6.56E-08	4.16E-07	6.42E-08	9.54E-08	9.73E-07
5658	482789.2	3853280	3.29E-03	3.54E-03	5.41E-03	1.14E-06	3.44E-06	1.99E-06	2.14E-06	1.94E-06	8.85E-07	1.35E-06	0.00E+00	0.00E+00	3.67E-07	7.27E-08	4.61E-07	7.11E-08	1.05E-07	1.08E-06
5659	482830.5	3853361	3.77E-03	4.04E-03	6.07E-03	1.30E-06	3.94E-06	2.28E-06	2.44E-06	2.21E-06	1.01E-06	1.52E-06	0.00E+00	0.00E+00	4.19E-07	8.29E-08	5.26E-07	8.11E-08	1.18E-07	1.23E-06
5660	482871.7	3853442	5.86E-03	6.19E-03	8.35E-03	2.03E-06	6.12E-06	3.54E-06	3.75E-06	3.40E-06	1.55E-06	2.09E-06	0.00E+00	0.00E+00	6.52E-07	1.27E-07	8.07E-07	1.24E-07	1.62E-07	1.87E-06
5661	482913	3853522	1.12E-02	1.16E-02	1.38E-02	3.86E-06	1.17E-05	6.75E-06	7.04E-06	6.38E-06	2.91E-06	3.46E-06	0.00E+00	0.00E+00	1.24E-06	2.39E-07	1.52E-06	2.34E-07	2.68E-07	3.50E-06
5662	482954.2	3853603	1.12E-02	1.17E-02	1.44E-02	3.86E-06	1.17E-05	6.75E-06	7.06E-06	6.40E-06	2.92E-06	3.61E-06	0.00E+00	0.00E+00	1.24E-06	2.40E-07	1.52E-06	2.35E-07	2.79E-07	3.52E-06
5663	482995.5	3853683	1.17E-02	1.24E-02	1.64E-02	4.05E-06	1.22E-05	7.09E-06	7.47E-06	6.78E-06	3.09E-06	4.09E-06	0.00E+00	0.00E+00	1.30E-06	2.54E-07	1.61E-06	2.48E-07	3.17E-07	3.73E-06
5664	483036.7	3853764	1.37E-02	1.46E-02	2.12E-02	4.73E-06	1.43E-05	8.26E-06	8.81E-06	7.99E-06	3.65E-06	5.29E-06	0.00E+00	0.00E+00	1.52E-06	2.99E-07	1.90E-06	2.93E-07	4.10E-07	4.42E-06
5665	483214.2	3853910	1.47E-02	1.59E-02	2.58E-02	5.09E-06	1.54E-05	8.89E-06	9.63E-06	8.73E-06	3.98E-06	6.47E-06	0.00E+00	0.00E+00	1.64E-06	3.27E-07	2.07E-06	3.20E-07	5.01E-07	4.86E-06
5666	483307	3853910	1.33E-02	1.44E-02	2.33E-02	4.59E-06	1.39E-05	8.03E-06	8.69E-06	7.88E-06	3.60E-06	5.84E-06	0.00E+00	0.00E+00	1.48E-06	2.95E-07	1.87E-06	2.89E-07	4.52E-07	4.39E-06
5667	483399.8	3853911	1.20E-02	1.30E-02	2.11E-02	4.15E-06	1.25E-05	7.25E-06	7.85E-06	7.12E-06	3.25E-06	5.27E-06	0.00E+00	0.00E+00	1.33E-06	2.66E-07	1.69E-06	2.61E-07	4.08E-07	3.96E-06
5668	483494.5	3854009	1.38E-02	1.50E-02	2.49E-02	4.78E-06	1.44E-05	8.35E-06	9.07E-06	8.22E-06	3.75E-06	6.23E-06	0.00E+00	0.00E+00	1.54E-06	3.08E-07	1.95E-06	3.01E-07	4.83E-07	4.58E-06
5669	483496.4	3854107	1.71E-02	1.86E-02	3.14E-02	5.92E-06	1.79E-05	1.03E-05	1.13E-05	1.02E-05	4.66E-06	7.85E-06	0.00E+00	0.00E+00	1.90E-06	3.82E-07	2.43E-06	3.74E-07	6.08E-07	5.69E-06
5670	483577.6	3854262	2.00E-02	2.18E-02	3.67E-02	6.92E-06	2.09E-05	1.21E-05	1.32E-05	1.19E-05	5.44E-06	9.18E-06	0.00E+00	0.00E+00	2.22E-06	4.47E-07	2.84E-06	4.37E-07	7.11E-07	6.65E-06
5671	483656.8	3854319	1.95E-02	2.12E-02	3.54E-02	6.74E-06	2.03E-05	1.18E-05	1.28E-05	1.16E-05	5.30E-06	8.87E-06	0.00E+00	0.00E+00	2.17E-06	4.35E-07	2.76E-06	4.25E-07	6.87E-07	6.47E-06
5672	483736.1	3854376	1.88E-02	2.05E-02	3.40E-02	6.52E-06	1.97E-05	1.14E-05	1.24E-05	1.12E-05	5.12E-06	8.51E-06	0.00E+00	0.00E+00	2.10E-06	4.21E-07	2.67E-06	4.12E-07	6.59E-07	6.26E-06
5673	483815.4	3854434	1.84E-02	1.99E-02	3.28E-02	6.36E-06	1.92E-05	1.11E-05	1.21E-05	1.09E-05	4.99E-06	8.21E-06	0.00E+00	0.00E+00	2.05E-06	4.10E-07	2.60E-06	4.01E-07	6.36E-07	6.09E-06
5674	483894.6	3854491	1.80E-02	1.96E-02	3.19E-02	6.25E-06	1.89E-05	1.09E-05	1.18E-05	1.07E-05	4.89E-06	7.99E-06	0.00E+00	0.00E+00	2.01E-06	4.02E-07	2.55E-06	3.93E-07	6.18E-07	5.97E-06
5675	483973.9	3854548	1.81E-02	1.96E-02	3.17E-02	6.27E-06	1.89E-05	1.10E-05	1.19E-05	1.07E-05	4.90E-06	7.93E-06	0.00E+00	0.00E+00	2.01E-06	4.02E-07	2.55E-06	3.94E-07	6.14E-07	5.98E-06
5676	484053.2	3854605	1.89E-02	2.05E-02	3.28E-02	6.56E-06	1.98E-05	1.15E-05	1.24E-05	1.12E-05	5.12E-06	8.21E-06	0.00E+00	0.00E+00	2.11E-06	4.20E-07	2.67E-06	4.11E-07	6.36E-07	6.24E-06
5677	484215	3854698	2.04E-02	2.20E-02	3.48E-02	7.08E-06	2.14E-05	1.24E-05	1.33E-05	1.21E-05	5.52E-06	8.70E-06	0.00E+00	0.00E+00	2.28E-06	4.53E-07	2.87E-06	4.43E-07	6.73E-07	6.72E-06
5678	484297.5	3854734	2.16E-02	2.32E-02	3.64E-02	7.47E-06	2.26E-05	1.31E-05	1.41E-05	1.28E-05	5.82E-06	9.12E-06	0.00E+00	0.00E+00	2.40E-06	4.77E-07	3.03E-06	4.67E-07	7.06E-07	7.08E-06
5679	484380	3854769	2.18E-02	2.34E-02	3.66E-02	7.53E-06	2.27E-05	1.32E-05	1.42E-05	1.28E-05	5.86E-06	9.16E-06	0.00E+00	0.00E+00	2.42E-06	4.81E-07	3.05E-06	4.71E-07	7.10E-07	7.14E-06
5680	484462.6	3854805	2.26E-02	2.43E-02	3.80E-02	7.83E-06	2.36E-05	1.37E-05	1.47E-05	1.34E-05	6.09E-06	9.51E-06	0.00E+00	0.00E+00	2.52E-06	5.00E-07	3.17E-06	4.89E-07	7.36E-07	7.42E-06
5681	484545.1	3854841	2.24E-02	2.41E-02	3.75E-02	7.74E-06	2.34E-05	1.35E-05	1.46E-05	1.32E-05	6.02E-06	9.40E-06	0.00E+00	0.00E+00	2.49E-06	4.94E-07	3.14E-06	4.84E-07	7.28E-07	7.33E-06
5682	484691.9	3854913	2.41E-02	2.60E-02	4.04E-02	8.35E-06	2.52E-05	1.46E-05	1.57E-05	1.42E-05	6.50E-06	1.01E-05	0.00E+00	0.00E+00	2.68E-06	5.33E-07	3.38E-06	5.22E-07	7.83E-07	7.91E-06
5683	484830.8	3855013	2.66E-02	2.86E-02	4.44E-02	9.20E-06	2.78E-05	1.61E-05	1.73E-05	1.57E-05	7.16E-06	1.11E-05	0.00E+00	0.00E+00	2.96E-06	5.88E-07	3.73E-06	5.75E-07	8.61E-07	8.71E-06
5684	484905.5	3855076	2.94E-02	3.16E-02	4.91E-02	1.02E-05	3.07E-05	1.78E-05	1.91E-05	1.73E-05	7.91E-06	1.23E-05	0.00E+00	0.00E+00	3.27E-06	6.49E-07	4.12E-06	6.35E-07	9.52E-07	9.62E-06
5685	484980.1	3855139	3.12E-02	3.36E-02	5.23E-02	1.08E-05	3.26E-05	1.89E-05	2.03E-05	1.84E-05	8.41E-06	1.31E-05	0.00E+00	0.00E+00	3.47E-06	6.90E-07	4.38E-06	6.75E-07	1.01E-06	1.02E-05
5686	485054.8	3855203	3.22E-02	3.47E-02	5.40E-02	1.12E-05	3.37E-05	1.95E-05	2.10E-05	1.90E-05	8.68E-06	1.35E-05	0.00E+00	0.00E+00	3.59E-06	7.12E-07	4.52E-06	6.97E-07	1.05E-06	1.06E-05
5687	485129.5	3855266	3.20E-02	3.44E-02	5.36E-02	1.11E-05	3.34E-05	1.93E-05	2.08E-05	1.89E-05	8.61E-06	1.34E-05	0.00E+00	0.00E+00	3.56E-06	7.06E-07	4.48E-06	6.91E-07	1.04E-06	1.05E-05
5688	485204.2	3855330	3.37E-02	3.63E-02	5.67E-02	1.17E-05	3.52E-05	2.04E-05	2.20E-05	1.99E-05	9.09E-06	1.42E-05	0.00E+00	0.00E+00	3.75E-06	7.46E-07	4.73E-06	7.30E-07	1.10E-06	1.11E-05
5689	485278.8	3855393	3.43E-02	3.69E-02	5.77E-02	1.19E-05	3.58E-05	2.07E-05	2.23E-05	2.02E-05	9.23E-06	1.44E-05	0.00E+00	0.00E+00	3.81E-06	7.58E-07	4.81E-06	7.41E-07	1.12E-06	1.12E-05
5690	485353.5	3855457	3.53E-02	3.81E-02	5.96E-02	1.22E-05	3.69E-05	2.14E-05	2.30E-05	2.09E-05	9.53E-06	1.49E-05	0.00E+00	0.00E+00	3.93E-06	7.82E-07	4.96E-06	7.65E-07	1.16E-06	1.16E-05
5691	485428.2	3855520	3.57E-02	3.84E-02	6.03E-02	1.24E-05	3.73E-05	2.16E-05	2.33E-05	2.11E-05	9.62E-06	1.51E-05	0.00E+00	0.00E+00	3.97E-06	7.90E-07	5.01E-06	7.73E-07	1.17E-06	1.17E-05
5692	485502.8	3855584	3.61E-02	3.89E-02	6.12E-02	1.25E-05	3.78E-05	2.19E-05	2.36E-05	2.14E-05	9.75E-06	1.53E-05	0.00E+00	0.00E+00	4.02E-06	8.00E-07	5.08E-06	7.83E-07	1.19E-06	1.19E-05
5693	485577.5	3855647	3.75E-02	4.05E-02	6.38E-02	1.30E-05	3.92E-05	2.27E-05	2.45E-05	2.22E-05	1.01E-05	1.60E-05	0.00E+00	0.00E+00	4.18E-06	8.31E-07	5.27E-06	8.13E-07	1.24E-06	1.23E-05

5694	485652.2	3855711	3.89E-02	4.19E-02	6.63E-02	1.35E-05	4.06E-05	2.35E-05	2.54E-05	2.30E-05	1.05E-05	1.66E-05	0.00E+00	0.00E+00	4.33E-06	8.61E-07	5.47E-06	8.43E-07	1.29E-06	1.28E-05
5695	485726.8	3855774	3.93E-02	4.24E-02	6.72E-02	1.36E-05	4.11E-05	2.38E-05	2.57E-05	2.33E-05	1.06E-05	1.68E-05	0.00E+00	0.00E+00	4.37E-06	8.71E-07	5.53E-06	8.52E-07	1.30E-06	1.29E-05
5696	485801.5	3855838	3.92E-02	4.23E-02	6.70E-02	1.36E-05	4.09E-05	2.37E-05	2.56E-05	2.32E-05	1.06E-05	1.68E-05	0.00E+00	0.00E+00	4.36E-06	8.68E-07	5.51E-06	8.49E-07	1.30E-06	1.29E-05
5697	485876.2	3855901	3.95E-02	4.26E-02	6.77E-02	1.37E-05	4.13E-05	2.39E-05	2.58E-05	2.34E-05	1.07E-05	1.70E-05	0.00E+00	0.00E+00	4.39E-06	8.75E-07	5.55E-06	8.57E-07	1.31E-06	1.30E-05
5698	485950.8	3855965	3.94E-02	4.26E-02	6.77E-02	1.36E-05	4.12E-05	2.38E-05	2.57E-05	2.33E-05	1.06E-05	1.69E-05	0.00E+00	0.00E+00	4.39E-06	8.74E-07	5.55E-06	8.55E-07	1.31E-06	1.30E-05
5699	486025.5	3856028	3.88E-02	4.19E-02	6.67E-02	1.34E-05	4.05E-05	2.35E-05	2.53E-05	2.30E-05	1.05E-05	1.67E-05	0.00E+00	0.00E+00	4.31E-06	8.60E-07	5.46E-06	8.41E-07	1.29E-06	1.28E-05
5700	486100.2	3856091	4.05E-02	4.38E-02	6.98E-02	1.40E-05	4.23E-05	2.45E-05	2.65E-05	2.40E-05	1.10E-05	1.75E-05	0.00E+00	0.00E+00	4.51E-06	8.99E-07	5.70E-06	8.80E-07	1.35E-06	1.33E-05
5701	486174.8	3856155	3.95E-02	4.27E-02	6.82E-02	1.37E-05	4.13E-05	2.39E-05	2.58E-05	2.34E-05	1.07E-05	1.71E-05	0.00E+00	0.00E+00	4.40E-06	8.77E-07	5.57E-06	8.59E-07	1.32E-06	1.30E-05
5702	486249.5	3856218	3.71E-02	4.01E-02	6.41E-02	1.28E-05	3.88E-05	2.25E-05	2.43E-05	2.20E-05	1.00E-05	1.60E-05	0.00E+00	0.00E+00	4.13E-06	8.24E-07	5.23E-06	8.06E-07	1.24E-06	1.22E-05
5703	486324.2	3856282	3.53E-02	3.82E-02	6.10E-02	1.22E-05	3.69E-05	2.14E-05	2.31E-05	2.09E-05	9.55E-06	1.53E-05	0.00E+00	0.00E+00	3.93E-06	7.84E-07	4.97E-06	7.67E-07	1.18E-06	1.16E-05
5704	486398.8	3856345	3.61E-02	3.90E-02	6.23E-02	1.25E-05	3.77E-05	2.18E-05	2.36E-05	2.14E-05	9.75E-06	1.56E-05	0.00E+00	0.00E+00	4.01E-06	8.00E-07	5.08E-06	7.83E-07	1.21E-06	1.19E-05
5705	486473.5	3856409	3.62E-02	3.91E-02	6.26E-02	1.25E-05	3.78E-05	2.19E-05	2.37E-05	2.15E-05	9.79E-06	1.57E-05	0.00E+00	0.00E+00	4.03E-06	8.04E-07	5.10E-06	7.86E-07	1.21E-06	1.19E-05
5706	486548.2	3856472	3.72E-02	4.02E-02	6.42E-02	1.29E-05	3.88E-05	2.25E-05	2.43E-05	2.20E-05	1.00E-05	1.61E-05	0.00E+00	0.00E+00	4.14E-06	8.25E-07	5.23E-06	8.07E-07	1.25E-06	1.22E-05
5707	486622.8	3856536	3.82E-02	4.13E-02	6.60E-02	1.32E-05	3.99E-05	2.31E-05	2.50E-05	2.26E-05	1.03E-05	1.65E-05	0.00E+00	0.00E+00	4.25E-06	8.48E-07	5.38E-06	8.30E-07	1.28E-06	1.26E-05
5708	486765.5	3856660	4.10E-02	4.43E-02	7.08E-02	1.42E-05	4.28E-05	2.48E-05	2.68E-05	2.43E-05	1.11E-05	1.77E-05	0.00E+00	0.00E+00	4.56E-06	9.09E-07	5.77E-06	8.90E-07	1.37E-06	1.35E-05
5709	486833.4	3856720	4.20E-02	4.54E-02	7.27E-02	1.46E-05	4.39E-05	2.54E-05	2.75E-05	2.49E-05	1.14E-05	1.82E-05	0.00E+00	0.00E+00	4.68E-06	9.33E-07	5.92E-06	9.13E-07	1.41E-06	1.39E-05
5710	486901.4	3856781	4.34E-02	4.69E-02	7.51E-02	1.50E-05	4.54E-05	2.63E-05	2.84E-05	2.57E-05	1.17E-05	1.88E-05	0.00E+00	0.00E+00	4.83E-06	9.64E-07	6.11E-06	9.43E-07	1.45E-06	1.43E-05
5711	486969.4	3856841	4.45E-02	4.81E-02	7.70E-02	1.54E-05	4.65E-05	2.69E-05	2.91E-05	2.64E-05	1.20E-05	1.93E-05	0.00E+00	0.00E+00	4.95E-06	9.87E-07	6.26E-06	9.66E-07	1.49E-06	1.47E-05
5712	487037.3	3856902	4.54E-02	4.91E-02	7.87E-02	1.57E-05	4.75E-05	2.75E-05	2.97E-05	2.69E-05	1.23E-05	1.97E-05	0.00E+00	0.00E+00	5.06E-06	1.01E-06	6.40E-06	9.87E-07	1.52E-06	1.50E-05
5713	487271.2	3856856	3.79E-02	4.09E-02	6.55E-02	1.31E-05	3.96E-05	2.29E-05	2.48E-05	2.25E-05	1.02E-05	1.64E-05	0.00E+00	0.00E+00	4.22E-06	8.41E-07	5.34E-06	8.23E-07	1.27E-06	1.25E-05
5714	487369	3856857	3.60E-02	3.89E-02	6.23E-02	1.25E-05	3.77E-05	2.18E-05	2.36E-05	2.14E-05	9.75E-06	1.56E-05	0.00E+00	0.00E+00	4.01E-06	8.00E-07	5.08E-06	7.83E-07	1.21E-06	1.19E-05
5715	487466.7	3856859	3.45E-02	3.72E-02	5.96E-02	1.19E-05	3.60E-05	2.08E-05	2.25E-05	2.04E-05	9.32E-06	1.49E-05	0.00E+00	0.00E+00	3.84E-06	7.65E-07	4.85E-06	7.48E-07	1.15E-06	1.14E-05
5716	487636.4	3856930	3.34E-02	3.61E-02	5.78E-02	1.16E-05	3.49E-05	2.02E-05	2.19E-05	1.98E-05	9.04E-06	1.45E-05	0.00E+00	0.00E+00	3.72E-06	7.42E-07	4.71E-06	7.26E-07	1.12E-06	1.10E-05
5717	487709.6	3856928	3.23E-02	3.49E-02	5.59E-02	1.12E-05	3.38E-05	1.96E-05	2.11E-05	1.92E-05	8.74E-06	1.40E-05	0.00E+00	0.00E+00	3.60E-06	7.17E-07	4.55E-06	7.02E-07	1.08E-06	1.07E-05
5718	487782.6	3856842	2.95E-02	3.19E-02	5.11E-02	1.02E-05	3.09E-05	1.79E-05	1.93E-05	1.75E-05	7.99E-06	1.28E-05	0.00E+00	0.00E+00	3.29E-06	6.56E-07	4.16E-06	6.42E-07	9.90E-07	9.74E-06
5719	487849.8	3856755	2.73E-02	2.95E-02	4.71E-02	9.44E-06	2.85E-05	1.65E-05	1.78E-05	1.62E-05	7.37E-06	1.18E-05	0.00E+00	0.00E+00	3.03E-06	6.05E-07	3.84E-06	5.92E-07	9.13E-07	8.98E-06
5720	487918	3856819	2.77E-02	2.99E-02	4.78E-02	9.58E-06	2.89E-05	1.67E-05	1.81E-05	1.64E-05	7.48E-06	1.20E-05	0.00E+00	0.00E+00	3.08E-06	6.14E-07	3.90E-06	6.01E-07	9.27E-07	9.12E-06
5721	487918.8	3856886	2.88E-02	3.11E-02	4.98E-02	9.97E-06	3.01E-05	1.74E-05	1.88E-05	1.71E-05	7.79E-06	1.25E-05	0.00E+00	0.00E+00	3.21E-06	6.39E-07	4.06E-06	6.25E-07	9.65E-07	9.49E-06
5722	488065.5	3857128	3.08E-02	3.33E-02	5.35E-02	1.07E-05	3.22E-05	1.87E-05	2.02E-05	1.83E-05	8.35E-06	1.34E-05	0.00E+00	0.00E+00	3.43E-06	6.85E-07	4.35E-06	6.70E-07	1.04E-06	1.02E-05
5723	488192.2	3857386	3.33E-02	3.60E-02	5.79E-02	1.15E-05	3.48E-05	2.01E-05	2.18E-05	1.97E-05	9.00E-06	1.45E-05	0.00E+00	0.00E+00	3.70E-06	7.39E-07	4.69E-06	7.23E-07	1.12E-06	1.10E-05
5724	488191.2	3857474	3.47E-02	3.76E-02	6.05E-02	1.20E-05	3.63E-05	2.10E-05	2.27E-05	2.06E-05	9.40E-06	1.51E-05	0.00E+00	0.00E+00	3.87E-06	7.71E-07	4.90E-06	7.55E-07	1.17E-06	1.15E-05
5725	488190.2	3857562	3.62E-02	3.92E-02	6.32E-02	1.25E-05	3.79E-05	2.19E-05	2.37E-05	2.15E-05	9.81E-06	1.58E-05	0.00E+00	0.00E+00	4.03E-06	8.05E-07	5.11E-06	7.87E-07	1.22E-06	1.20E-05
5726	488158.4	3857691	3.95E-02	4.27E-02	6.89E-02	1.37E-05	4.12E-05	2.39E-05	2.58E-05	2.34E-05	1.07E-05	1.72E-05	0.00E+00	0.00E+00	4.39E-06	8.77E-07	5.56E-06	8.58E-07	1.34E-06	1.30E-05
5727	488208.4	3857817	4.03E-02	4.36E-02	7.04E-02	1.39E-05	4.21E-05	2.44E-05	2.64E-05	2.39E-05	1.09E-05	1.76E-05	0.00E+00	0.00E+00	4.48E-06	8.95E-07	5.68E-06	8.76E-07	1.37E-06	1.33E-05
5728	488272	3857875	3.92E-02	4.24E-02	6.85E-02	1.36E-05	4.09E-05	2.37E-05	2.56E-05	2.32E-05	1.06E-05	1.71E-05	0.00E+00	0.00E+00	4.36E-06	8.70E-07	5.52E-06	8.52E-07	1.33E-06	1.29E-05
5729	488463.6	3857942	3.44E-02	3.72E-02	6.00E-02	1.19E-05	3.59E-05	2.08E-05	2.25E-05	2.04E-05	9.31E-06	1.50E-05	0.00E+00	0.00E+00	3.83E-06	7.64E-07	4.85E-06	7.48E-07	1.16E-06	1.14E-05
5730	488554.8	3857941	3.22E-02	3.48E-02	5.61E-02	1.11E-05	3.36E-05	1.95E-05	2.11E-05	1.91E-05	8.71E-06	1.40E-05	0.00E+00	0.00E+00	3.58E-06	7.15E-07	4.53E-06	6.99E-07	1.09E-06	1.06E-05
5731	488646.1	3857939	3.02E-02	3.27E-02	5.26E-02	1.05E-05	3.16E-05	1.83E-05	1.98E-05	1.79E-05	8.18E-06	1.32E-05	0.00E+00	0.00E+00	3.36E-06	6.71E-07	4.26E-06	6.57E-07	1.02E-06	9.97E-06
5732	488737.4	3857938	2.85E-02	3.08E-02	4.96E-02	9.86E-06	2.98E-05	1.72E-05	1.86E-05	1.69E-05	7.71E-06	1.24E-05	0.00E+00	0.00E+00	3.17E-06	6.33E-07	4.01E-06	6.19E-07	9.61E-07	9.40E-06
5733	488733.6	3857961	2.86E-02	3.10E-02	4.99E-02	9.91E-06	2.99E-05	1.73E-05	1.87E-05	1.70E-05	7.75E-06	1.25E-05	0.00E+00	0.00E+00	3.19E-06	6.36E-07	4.04E-06	6.22E-07	9.66E-07	9.45E-06
5734	488638.1	3857962	3.05E-02	3.30E-02	5.31E-02	1.06E-05	3.19E-05	1.85E-05	2.00E-05	1.81E-05	8.25E-06	1.33E-05	0.00E+00	0.00E+00	3.39E-06	6.77E-07	4.30E-06	6.63E-07	1.03E-06	1.01E-05
5735	488542.6	3857963	3.26E-02	3.53E-02	5.68E-02	1.13E-05	3.41E-05	1.97E-05	2.13E-05	1.93E-05	8.82E-06	1.42E-05	0.00E+00	0.00E+00	3.63E-06	7.24E-07	4.60E-06	7.09E-07	1.10E-06	1.08E-05
5736	488447.1	3857964	3.50E-02	3.79E-02	6.11E-02	1.21E-05	3.66E-05	2.12E-05	2.29E-05	2.08E-05	9.48E-06	1.53E-05	0.00E+00	0.00E+00	3.90E-06	7.78E-07	4.94E-06	7.62E-07	1.18E-06	1.16E-05
5737	488254.3	3857890	4.00E-02	4.33E-02	7.00E-02	1.38E-05	4.18E-05	2.42E-05	2.62E-05	2.37E-05	1.08E-05	1.75E-05	0.00E+00	0.00E+00	4.45E-06	8.89E-07	5.64E-06	8.70E-07	1.36E-06	1.32E-05
5738	488191.7	3857833	4.12E-02	4.46E-02	7.21E-02	1.42E-05	4.30E-05	2.49E-05	2.70E-05	2.44E-05	1.12E-05	1.80E-05	0.00E+00	0.00E+00	4.58E-06	9.15E-07	5.81E-06	8.95E-07	1.40E-06	1.36E-05
5739	488129.5	3857907	4.51E-02	4.89E-02	7.93E-02	1.56E-05	4.72E-05	2.73E-05	2.96E-05	2.68E-05	1.22E-05	1.98E-05	0.00E+00	0.00E+00	5.02E-06	1.00E-06	6.37E-06	9.82E-07	1.54E-06	1.49E-05
5740	488196.5	3857969	4.36E-02	4.72E-02	7.66E-02	1.51E-05	4.56E-05	2.64E-05	2.86E-05	2.59E-05	1.18E-05	1.92E-05	0.00E+00	0.00E+00	4.86E-06	9.70E-07	6.16E-06	9.49E-07	1.49E-06	1.44E-05
5741	488263.4	3858030	4.22E-02	4.57E-02	7.41E-02	1.46E-05	4.41E-05	2.55E-05	2.76E-05	2.50E-05	1.14E-05	1.85E-05	0.00E+00	0.00E+00	4.69E-06	9.38E-07	5.95E-06	9.18E-07	1.44E-06	1.39E-05
5742	488400.6	3858133	3.85E-02	4.17E-02	6.74E-02	1.33E-05	4.02E-05	2.33E-05	2.52E-05	2.29E-05	1.04E-05	1.69E-05	0.00E+00	0.00E+00	4.29E-06	8.56E-07	5.43E-06	8.38E-07	1.31E-06	1.27E-05
5743	488519.9	3858218	3.42E-02	3.69E-02	5.94E-02	1.18E-05	3.57E-05	2.07E-05	2.24E-05	2.03E-05	9.25E-06	1.49E-05	0.00E+00	0.00E+00	3.80E-06	7.59E-07	4.81E-06	7.42E-07	1.15E-06	1.13E-05
5744	488648	3858215	3.02E-02	3.26E-02	5.24E-02	1.05E-05	3.16E-05	1.83E-05	1.98E-05	1.79E-05	8.17E-06	1.31E-05	0.00E+00	0.00E+00	3.36E-06	6.71E-07	4.25E-06	6.56E-07	1.02E-06	9.96E-06
5745	488727.1	3858168	2.86E-02	3.09E-02	4.96E-02	9.89E-06	2.99E-05	1.73E-05	1.87E-05	1.69E-05	7.73E-06	1.24E-05	0.00E+00	0.00E+00	3.18E-06	6.35E-07	4.03E-06	6.21E-07	9.62E-07	9.43E-06
5746	488806.1	3858120	2.72E-02	2.94E-02	4.72E-02	9.41E-06	2.84E-05	1.64E-05	1.78E-05	1.61E-05	7.36E-06	1.18E-05	0.00E+00	0.00E+00	3.03E-06	6.04E-07	3.83E-06	5.91E-07	9.16E-07	8.96E-06
5747	488885.2	3858073	2.59E-02	2.80E-02	4.51E-02	8.98E-06	2.71E-05	1.57E-05	1.70E-05	1.54E-05	7.02E-06	1.13E-05	0.00E+00	0.00E+00	2.89E-06	5.76E-07	3.65E-06	5.64E-07	8.74E-07	8.55E-06
5748	489055.8	3857991	2.36E-02	2.56E-02	4.11E-02	8.18E-06	2.47E-05	1.43E-05	1.55E-05	1.40E-05	6.40E-06	1.03E-05	0.00E+00	0.00E+00	2.63E-06	5.25E-07	3.33E-06	5.14E-07	7.97E-07	7.80E-06
5749	489245.4	3857945	2.15E-02	2.33E-02	3.74E-02	7.45E-06	2.25E-05	1.30E-05	1.41E-05	1.28E-05	5.82E-06	9.37E-06	0.00E+00	0.00E+00	2.39E-06	4.78E-07	3.03E-06	4.67E-07	7.26E-07	7.10E-06
5750	489430.6	3857931	1.97E-02	2.13E-02	3.42E-02	6.81E-06	2.06E-05	1.19E-05	1.29E-05	1.17E-05	5.32E-06	8.56E-06	0.00E+00	0.00E+00	2.19E-06	4.37E-07	2.77E-06	4.27E-07	6.63E-07	6.49E-06

5751	489517.7	3857929	1.89E-02	2.04E-02	3.28E-02	6.54E-06	1.97E-05	1.14E-05	1.24E-05	1.12E-05	5.11E-06	8.22E-06	0.00E+00	0.00E+00	2.10E-06	4.19E-07	2.66E-06	4.10E-07	6.37E-07	6.23E-06
5752	489604.9	3857928	1.82E-02	1.96E-02	3.16E-02	6.28E-06	1.90E-05	1.10E-05	1.19E-05	1.08E-05	4.91E-06	7.90E-06	0.00E+00	0.00E+00	2.02E-06	4.03E-07	2.56E-06	3.95E-07	6.12E-07	5.99E-06
5753	489692	3857926	1.75E-02	1.89E-02	3.04E-02	6.05E-06	1.83E-05	1.06E-05	1.14E-05	1.04E-05	4.73E-06	7.60E-06	0.00E+00	0.00E+00	1.94E-06	3.88E-07	2.46E-06	3.80E-07	5.89E-07	5.76E-06
5754	489779.1	3857925	1.68E-02	1.82E-02	2.92E-02	5.83E-06	1.76E-05	1.02E-05	1.10E-05	9.98E-06	4.55E-06	7.32E-06	0.00E+00	0.00E+00	1.87E-06	3.74E-07	2.37E-06	3.66E-07	5.67E-07	5.55E-06
5755	490017.6	3857875	1.54E-02	1.66E-02	2.67E-02	5.32E-06	1.61E-05	9.30E-06	1.01E-05	9.12E-06	4.16E-06	6.68E-06	0.00E+00	0.00E+00	1.71E-06	3.41E-07	2.17E-06	3.34E-07	5.17E-07	5.07E-06
5756	490033.8	3857961	1.50E-02	1.63E-02	2.61E-02	5.21E-06	1.57E-05	9.10E-06	9.84E-06	8.92E-06	4.07E-06	6.53E-06	0.00E+00	0.00E+00	1.67E-06	3.34E-07	2.12E-06	3.27E-07	5.06E-07	4.96E-06
5757	489959.2	3857987	1.54E-02	1.67E-02	2.67E-02	5.34E-06	1.61E-05	9.33E-06	1.01E-05	9.14E-06	4.17E-06	6.69E-06	0.00E+00	0.00E+00	1.72E-06	3.42E-07	2.17E-06	3.35E-07	5.18E-07	5.08E-06
5758	489791.5	3858016	1.64E-02	1.78E-02	2.85E-02	5.68E-06	1.72E-05	9.93E-06	1.07E-05	9.74E-06	4.44E-06	7.13E-06	0.00E+00	0.00E+00	1.83E-06	3.65E-07	2.31E-06	3.57E-07	5.52E-07	5.41E-06
5759	489698.5	3858018	1.71E-02	1.85E-02	2.97E-02	5.92E-06	1.79E-05	1.03E-05	1.12E-05	1.01E-05	4.63E-06	7.43E-06	0.00E+00	0.00E+00	1.90E-06	3.80E-07	2.41E-06	3.71E-07	5.75E-07	5.64E-06
5760	489605.5	3858020	1.78E-02	1.93E-02	3.10E-02	6.17E-06	1.86E-05	1.08E-05	1.17E-05	1.06E-05	4.82E-06	7.75E-06	0.00E+00	0.00E+00	1.98E-06	3.96E-07	2.51E-06	3.87E-07	6.00E-07	5.88E-06
5761	489512.5	3858022	1.86E-02	2.01E-02	3.23E-02	6.44E-06	1.94E-05	1.13E-05	1.22E-05	1.10E-05	5.04E-06	8.09E-06	0.00E+00	0.00E+00	2.07E-06	4.13E-07	2.62E-06	4.04E-07	6.27E-07	6.14E-06
5762	489419.6	3858024	1.95E-02	2.10E-02	3.38E-02	6.73E-06	2.03E-05	1.18E-05	1.27E-05	1.15E-05	5.26E-06	8.46E-06	0.00E+00	0.00E+00	2.17E-06	4.32E-07	2.74E-06	4.23E-07	6.55E-07	6.42E-06
5763	489228.5	3858041	2.14E-02	2.31E-02	3.72E-02	7.41E-06	2.24E-05	1.30E-05	1.40E-05	1.27E-05	5.79E-06	9.32E-06	0.00E+00	0.00E+00	2.38E-06	4.75E-07	3.02E-06	4.65E-07	7.22E-07	7.06E-06
5764	489065.8	3858086	2.32E-02	2.51E-02	4.03E-02	8.03E-06	2.42E-05	1.40E-05	1.52E-05	1.38E-05	6.28E-06	1.01E-05	0.00E+00	0.00E+00	2.58E-06	5.15E-07	3.27E-06	5.04E-07	7.81E-07	7.65E-06
5765	489001.1	3858115	2.40E-02	2.59E-02	4.16E-02	8.29E-06	2.50E-05	1.45E-05	1.57E-05	1.42E-05	6.48E-06	1.04E-05	0.00E+00	0.00E+00	2.67E-06	5.32E-07	3.38E-06	5.21E-07	8.07E-07	7.90E-06
5766	488861.9	3858190	2.58E-02	2.79E-02	4.48E-02	8.92E-06	2.69E-05	1.56E-05	1.69E-05	1.53E-05	6.97E-06	1.12E-05	0.00E+00	0.00E+00	2.87E-06	5.72E-07	3.63E-06	5.60E-07	8.67E-07	8.50E-06
5767	488787.3	3858236	2.67E-02	2.89E-02	4.63E-02	9.24E-06	2.79E-05	1.62E-05	1.75E-05	1.58E-05	7.22E-06	1.16E-05	0.00E+00	0.00E+00	2.97E-06	5.93E-07	3.76E-06	5.80E-07	8.97E-07	8.80E-06
5768	488712.7	3858282	2.78E-02	3.01E-02	4.82E-02	9.63E-06	2.91E-05	1.68E-05	1.82E-05	1.65E-05	7.53E-06	1.21E-05	0.00E+00	0.00E+00	3.10E-06	6.18E-07	3.92E-06	6.04E-07	9.34E-07	9.17E-06
5769	488654.4	3858436	2.53E-02	2.73E-02	4.28E-02	8.77E-06	2.65E-05	1.53E-05	1.65E-05	1.50E-05	6.83E-06	1.07E-05	0.00E+00	0.00E+00	2.82E-06	5.61E-07	3.56E-06	5.49E-07	8.29E-07	8.32E-06
5770	488726.3	3858505	2.21E-02	2.37E-02	3.64E-02	7.63E-06	2.30E-05	1.33E-05	1.43E-05	1.30E-05	5.93E-06	9.11E-06	0.00E+00	0.00E+00	2.45E-06	4.87E-07	3.09E-06	4.76E-07	7.05E-07	7.21E-06
5771	488880.6	3858599	1.82E-02	1.95E-02	2.93E-02	6.31E-06	1.91E-05	1.10E-05	1.18E-05	1.07E-05	4.89E-06	7.33E-06	0.00E+00	0.00E+00	2.03E-06	4.01E-07	2.55E-06	3.93E-07	5.67E-07	5.94E-06
5772	489008.1	3858715	1.58E-02	1.68E-02	2.44E-02	5.46E-06	1.65E-05	9.54E-06	1.02E-05	9.23E-06	4.21E-06	6.11E-06	0.00E+00	0.00E+00	1.76E-06	3.45E-07	2.19E-06	3.38E-07	4.73E-07	5.10E-06
5773	489071.5	3858773	1.47E-02	1.57E-02	2.25E-02	5.09E-06	1.54E-05	8.89E-06	9.47E-06	8.59E-06	3.92E-06	5.63E-06	0.00E+00	0.00E+00	1.64E-06	3.22E-07	2.04E-06	3.15E-07	4.36E-07	4.75E-06
5774	489244.6	3858920	1.07E-02	1.14E-02	1.69E-02	3.71E-06	1.12E-05	6.48E-06	6.93E-06	6.28E-06	2.86E-06	4.23E-06	0.00E+00	0.00E+00	1.19E-06	2.35E-07	1.49E-06	2.30E-07	3.28E-07	3.48E-06
5775	489239.7	3858952	1.01E-02	1.08E-02	1.60E-02	3.51E-06	1.06E-05	6.13E-06	6.55E-06	5.94E-06	2.71E-06	4.02E-06	0.00E+00	0.00E+00	1.13E-06	2.22E-07	1.41E-06	2.18E-07	3.11E-07	3.29E-06
5776	489121.7	3858854	1.30E-02	1.39E-02	1.98E-02	4.51E-06	1.36E-05	7.88E-06	8.39E-06	7.60E-06	3.47E-06	4.96E-06	0.00E+00	0.00E+00	1.45E-06	2.85E-07	1.81E-06	2.79E-07	3.84E-07	4.20E-06
5777	489059.6	3858797	1.47E-02	1.56E-02	2.21E-02	5.08E-06	1.53E-05	8.87E-06	9.44E-06	8.55E-06	3.90E-06	5.54E-06	0.00E+00	0.00E+00	1.63E-06	3.20E-07	2.03E-06	3.13E-07	4.29E-07	4.73E-06
5778	488997.5	3858740	1.58E-02	1.68E-02	2.41E-02	5.46E-06	1.65E-05	9.54E-06	1.02E-05	9.21E-06	4.20E-06	6.02E-06	0.00E+00	0.00E+00	1.75E-06	3.45E-07	2.19E-06	3.37E-07	4.66E-07	5.09E-06
5779	488935.4	3858683	1.68E-02	1.79E-02	2.60E-02	5.80E-06	1.75E-05	1.01E-05	1.08E-05	9.81E-06	4.48E-06	6.52E-06	0.00E+00	0.00E+00	1.87E-06	3.67E-07	2.33E-06	3.59E-07	5.05E-07	5.43E-06
5780	488869.2	3858848	2.10E-02	2.20E-02	2.76E-02	7.26E-06	2.19E-05	1.27E-05	1.33E-05	1.21E-05	5.50E-06	6.90E-06	0.00E+00	0.00E+00	2.33E-06	4.51E-07	2.86E-06	4.42E-07	5.34E-07	6.63E-06
5781	488932.5	3858893	1.64E-02	1.73E-02	2.27E-02	5.69E-06	1.72E-05	9.95E-06	1.05E-05	9.50E-06	4.34E-06	5.67E-06	0.00E+00	0.00E+00	1.83E-06	3.56E-07	2.26E-06	3.48E-07	4.39E-07	5.23E-06
5782	489063.3	3858977	1.02E-02	1.09E-02	1.58E-02	3.53E-06	1.07E-05	6.17E-06	6.59E-06	5.97E-06	2.72E-06	3.96E-06	0.00E+00	0.00E+00	1.14E-06	2.24E-07	1.42E-06	2.19E-07	3.07E-07	3.30E-06
5783	489248.2	3859117	7.45E-03	7.99E-03	1.22E-02	2.58E-06	7.79E-06	4.51E-06	4.84E-06	4.39E-06	2.00E-06	3.05E-06	0.00E+00	0.00E+00	8.29E-07	1.64E-07	1.04E-06	1.61E-07	2.36E-07	2.43E-06
5784	489296.3	3859049	8.38E-03	8.98E-03	1.36E-02	2.90E-06	8.75E-06	5.07E-06	5.43E-06	4.93E-06	2.25E-06	3.40E-06	0.00E+00	0.00E+00	9.32E-07	1.84E-07	1.17E-06	1.80E-07	2.63E-07	2.73E-06
5785	489353.4	3858994	9.11E-03	9.77E-03	1.47E-02	3.15E-06	9.52E-06	5.51E-06	5.91E-06	5.36E-06	2.44E-06	3.68E-06	0.00E+00	0.00E+00	1.01E-06	2.01E-07	1.27E-06	1.96E-07	2.85E-07	2.97E-06
5786	489537.3	3859120	7.39E-03	7.94E-03	1.22E-02	2.56E-06	7.72E-06	4.47E-06	4.80E-06	4.35E-06	1.99E-06	3.06E-06	0.00E+00	0.00E+00	8.22E-07	1.63E-07	1.03E-06	1.60E-07	2.37E-07	2.42E-06
5787	489727	3859246	6.27E-03	6.74E-03	1.05E-02	2.17E-06	6.55E-06	3.79E-06	4.08E-06	3.70E-06	1.69E-06	2.62E-06	0.00E+00	0.00E+00	6.97E-07	1.38E-07	8.79E-07	1.35E-07	2.03E-07	2.05E-06
5788	489911.5	3859366	5.50E-03	5.92E-03	9.24E-03	1.90E-06	5.74E-06	3.33E-06	3.58E-06	3.25E-06	1.48E-06	2.31E-06	0.00E+00	0.00E+00	6.12E-07	1.22E-07	7.71E-07	1.19E-07	1.79E-07	1.80E-06
5789	490035.3	3859430	5.14E-03	5.54E-03	8.66E-03	1.78E-06	5.37E-06	3.11E-06	3.35E-06	3.04E-06	1.39E-06	2.17E-06	0.00E+00	0.00E+00	5.72E-07	1.14E-07	7.21E-07	1.11E-07	1.68E-07	1.69E-06
5790	490101.1	3859459	5.00E-03	5.39E-03	8.44E-03	1.73E-06	5.23E-06	3.03E-06	3.26E-06	2.96E-06	1.35E-06	2.11E-06	0.00E+00	0.00E+00	5.57E-07	1.11E-07	7.03E-07	1.08E-07	1.64E-07	1.64E-06
5791	490312.7	3859560	4.57E-03	4.93E-03	7.74E-03	1.58E-06	4.78E-06	2.77E-06	2.98E-06	2.70E-06	1.23E-06	1.94E-06	0.00E+00	0.00E+00	5.09E-07	1.01E-07	6.42E-07	9.90E-08	1.50E-07	1.50E-06
5792	490401.6	3859603	4.42E-03	4.76E-03	7.48E-03	1.53E-06	4.62E-06	2.67E-06	2.88E-06	2.61E-06	1.19E-06	1.87E-06	0.00E+00	0.00E+00	4.92E-07	9.78E-08	6.20E-07	9.57E-08	1.45E-07	1.45E-06
5793	490490.6	3859646	4.27E-03	4.61E-03	7.24E-03	1.48E-06	4.47E-06	2.59E-06	2.79E-06	2.53E-06	1.15E-06	1.81E-06	0.00E+00	0.00E+00	4.76E-07	9.46E-08	6.00E-07	9.26E-08	1.40E-07	1.40E-06
5794	490579.5	3859689	4.14E-03	4.47E-03	7.03E-03	1.43E-06	4.33E-06	2.51E-06	2.70E-06	2.45E-06	1.12E-06	1.76E-06	0.00E+00	0.00E+00	4.61E-07	9.17E-08	5.82E-07	8.97E-08	1.36E-07	1.36E-06
5795	490668.5	3859732	4.02E-03	4.34E-03	6.84E-03	1.39E-06	4.21E-06	2.43E-06	2.63E-06	2.38E-06	1.09E-06	1.71E-06	0.00E+00	0.00E+00	4.48E-07	8.91E-08	5.65E-07	8.72E-08	1.32E-07	1.32E-06
5796	490757.4	3859774	3.90E-03	4.20E-03	6.63E-03	1.35E-06	4.07E-06	2.36E-06	2.54E-06	2.31E-06	1.05E-06	1.66E-06	0.00E+00	0.00E+00	4.34E-07	8.63E-08	5.48E-07	8.45E-08	1.28E-07	1.28E-06
5797	491003.5	3859862	3.67E-03	3.96E-03	6.26E-03	1.27E-06	3.84E-06	2.22E-06	2.40E-06	2.17E-06	9.92E-07	1.57E-06	0.00E+00	0.00E+00	4.09E-07	8.14E-08	5.17E-07	7.97E-08	1.21E-07	1.21E-06
5798	491081.4	3859879	3.63E-03	3.92E-03	6.19E-03	1.26E-06	3.80E-06	2.20E-06	2.37E-06	2.15E-06	9.81E-07	1.55E-06	0.00E+00	0.00E+00	4.04E-07	8.05E-08	5.11E-07	7.87E-08	1.20E-07	1.19E-06
5799	491229.8	3859918	3.53E-03	3.81E-03	6.02E-03	1.22E-06	3.69E-06	2.14E-06	2.31E-06	2.09E-06	9.54E-07	1.51E-06	0.00E+00	0.00E+00	3.93E-07	7.83E-08	4.97E-07	7.66E-08	1.17E-07	1.16E-06
5800	491300.2	3859939	3.48E-03	3.75E-03	5.93E-03	1.20E-06	3.63E-06	2.10E-06	2.27E-06	2.06E-06	9.39E-07	1.48E-06	0.00E+00	0.00E+00	3.87E-07	7.70E-08	4.89E-07	7.54E-08	1.15E-07	1.14E-06
5801	491350.5	3860012	3.29E-03	3.55E-03	5.61E-03	1.14E-06	3.44E-06	1.99E-06	2.15E-06	1.95E-06	8.88E-07	1.40E-06	0.00E+00	0.00E+00	3.66E-07	7.29E-08	4.62E-07	7.13E-08	1.09E-07	1.08E-06
5802	491406.8	3860093	3.11E-03	3.35E-03	5.30E-03	1.08E-06	3.25E-06	1.88E-06	2.03E-06	1.84E-06	8.39E-07	1.33E-06	0.00E+00	0.00E+00	3.46E-07	6.88E-08	4.37E-07	6.73E-08	1.03E-07	1.02E-06
5803	491483.4	3860122	3.06E-03	3.30E-03	5.21E-03	1.06E-06	3.19E-06	1.85E-06	1.99E-06	1.81E-06	8.25E-07	1.30E-06	0.00E+00	0.00E+00	3.40E-07	6.77E-08	4.30E-07	6.63E-08	1.01E-07	1.00E-06
5804	491559.9	3860151	3.00E-03	3.24E-03	5.12E-03	1.04E-06	3.14E-06	1.82E-06	1.96E-06	1.78E-06	8.11E-07	1.28E-06	0.00E+00	0.00E+00	3.34E-07	6.65E-08	4.22E-07	6.51E-08	9.93E-08	9.88E-07
5805	491711.8	3860238	2.91E-03	3.14E-03	4.98E-03	1.01E-06	3.05E-06	1.76E-06	1.90E-06	1.72E-06	7.87E-07	1.25E-06	0.00E+00	0.00E+00	3.24E-07	6.46E-08	4.10E-07	6.32E-08	9.65E-08	9.59E-07
5806	491755.2	3860319	2.70E-03	2.91E-03	4.60E-03	9.33E-07	2.82E-06	1.63E-06	1.76E-06	1.59E-06	7.28E-07	1.15E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.84E-08	8.91E-08	8.86E-07
5807	491704.7	3860367	2.61E-03	2.81E-03	4.45E-03	9.03E-07	2.73E-06	1.58E-06	1.70E-06	1.54E-06	7.04E-07	1.11E-06	0.00E+00	0.00E+00	2.90E-07	5.78E-08	3.67E-07	5.65E-08	8.62E-08	8.57E-07

5808	491623.4	3860462	2.43E-03	2.62E-03	4.14E-03	8.41E-07	2.54E-06	1.47E-06	1.58E-06	1.44E-06	6.56E-07	1.04E-06	0.00E+00	0.00E+00	2.70E-07	5.38E-08	3.41E-07	5.26E-08	8.02E-08	7.98E-07
5809	491534	3860440	2.52E-03	2.71E-03	4.29E-03	8.71E-07	2.63E-06	1.52E-06	1.64E-06	1.49E-06	6.79E-07	1.07E-06	0.00E+00	0.00E+00	2.80E-07	5.57E-08	3.54E-07	5.45E-08	8.32E-08	8.27E-07
5810	491314	3860268	2.69E-03	2.90E-03	4.59E-03	9.32E-07	2.81E-06	1.63E-06	1.76E-06	1.59E-06	7.27E-07	1.15E-06	0.00E+00	0.00E+00	3.00E-07	5.97E-08	3.79E-07	5.84E-08	8.89E-08	8.85E-07
5811	491187.1	3860144	2.95E-03	3.18E-03	5.01E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.95E-07	1.26E-06	0.00E+00	0.00E+00	3.28E-07	6.53E-08	4.14E-07	6.39E-08	9.72E-08	9.68E-07
5812	491070.4	3860076	3.09E-03	3.33E-03	5.26E-03	1.07E-06	3.23E-06	1.87E-06	2.02E-06	1.83E-06	8.34E-07	1.32E-06	0.00E+00	0.00E+00	3.44E-07	6.84E-08	4.34E-07	6.69E-08	1.02E-07	1.02E-06
5813	490995.1	3860039	3.16E-03	3.41E-03	5.38E-03	1.10E-06	3.31E-06	1.91E-06	2.06E-06	1.87E-06	8.54E-07	1.35E-06	0.00E+00	0.00E+00	3.52E-07	7.01E-08	4.45E-07	6.86E-08	1.04E-07	1.04E-06
5814	490919.8	3860003	3.24E-03	3.50E-03	5.51E-03	1.12E-06	3.39E-06	1.96E-06	2.12E-06	1.92E-06	8.75E-07	1.38E-06	0.00E+00	0.00E+00	3.61E-07	7.18E-08	4.56E-07	7.03E-08	1.07E-07	1.07E-06
5815	490756.8	3859895	3.52E-03	3.79E-03	5.98E-03	1.22E-06	3.68E-06	2.13E-06	2.30E-06	2.08E-06	9.49E-07	1.50E-06	0.00E+00	0.00E+00	3.92E-07	7.79E-08	4.94E-07	7.62E-08	1.16E-07	1.16E-06
5816	490668.1	3859861	3.58E-03	3.87E-03	6.09E-03	1.24E-06	3.75E-06	2.17E-06	2.34E-06	2.12E-06	9.67E-07	1.52E-06	0.00E+00	0.00E+00	3.99E-07	7.94E-08	5.04E-07	7.77E-08	1.18E-07	1.18E-06
5817	490579.3	3859827	3.66E-03	3.95E-03	6.22E-03	1.27E-06	3.83E-06	2.22E-06	2.39E-06	2.17E-06	9.89E-07	1.56E-06	0.00E+00	0.00E+00	4.08E-07	8.11E-08	5.15E-07	7.94E-08	1.21E-07	1.20E-06
5818	490490.6	3859794	3.74E-03	4.03E-03	6.34E-03	1.29E-06	3.90E-06	2.26E-06	2.44E-06	2.21E-06	1.01E-06	1.59E-06	0.00E+00	0.00E+00	4.16E-07	8.27E-08	5.25E-07	8.09E-08	1.23E-07	1.23E-06
5819	490401.9	3859760	3.81E-03	4.11E-03	6.46E-03	1.32E-06	3.99E-06	2.31E-06	2.49E-06	2.25E-06	1.03E-06	1.62E-06	0.00E+00	0.00E+00	4.25E-07	8.44E-08	5.36E-07	8.26E-08	1.25E-07	1.25E-06
5820	490313.1	3859726	3.90E-03	4.21E-03	6.61E-03	1.35E-06	4.08E-06	2.36E-06	2.55E-06	2.31E-06	1.05E-06	1.65E-06	0.00E+00	0.00E+00	4.34E-07	8.64E-08	5.48E-07	8.45E-08	1.28E-07	1.28E-06
5821	490224.4	3859693	4.00E-03	4.31E-03	6.77E-03	1.38E-06	4.18E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.69E-06	0.00E+00	0.00E+00	4.45E-07	8.85E-08	5.62E-07	8.66E-08	1.31E-07	1.31E-06
5822	490135.7	3859659	4.11E-03	4.43E-03	6.95E-03	1.42E-06	4.29E-06	2.48E-06	2.68E-06	2.43E-06	1.11E-06	1.74E-06	0.00E+00	0.00E+00	4.57E-07	9.09E-08	5.77E-07	8.89E-08	1.35E-07	1.35E-06
5823	489918.2	3859559	4.47E-03	4.81E-03	7.54E-03	1.55E-06	4.67E-06	2.70E-06	2.91E-06	2.64E-06	1.20E-06	1.89E-06	0.00E+00	0.00E+00	4.97E-07	9.88E-08	6.27E-07	9.67E-08	1.46E-07	1.47E-06
5824	489743.6	3859486	4.75E-03	5.12E-03	8.01E-03	1.65E-06	4.97E-06	2.88E-06	3.10E-06	2.81E-06	1.28E-06	2.01E-06	0.00E+00	0.00E+00	5.29E-07	1.05E-07	6.68E-07	1.03E-07	1.55E-07	1.56E-06
5825	489660.3	3859440	4.96E-03	5.34E-03	8.35E-03	1.72E-06	5.19E-06	3.00E-06	3.23E-06	2.93E-06	1.34E-06	2.09E-06	0.00E+00	0.00E+00	5.52E-07	1.10E-07	6.97E-07	1.07E-07	1.62E-07	1.63E-06
5826	489577	3859395	5.19E-03	5.59E-03	8.72E-03	1.80E-06	5.43E-06	3.14E-06	3.38E-06	3.07E-06	1.40E-06	2.18E-06	0.00E+00	0.00E+00	5.78E-07	1.15E-07	7.29E-07	1.12E-07	1.69E-07	1.70E-06
5827	489493.8	3859349	5.44E-03	5.86E-03	9.12E-03	1.88E-06	5.69E-06	3.29E-06	3.54E-06	3.21E-06	1.47E-06	2.28E-06	0.00E+00	0.00E+00	6.06E-07	1.20E-07	7.63E-07	1.18E-07	1.77E-07	1.78E-06
5828	489321.3	3859240	6.18E-03	6.64E-03	1.03E-02	2.14E-06	6.46E-06	3.74E-06	4.02E-06	3.64E-06	1.66E-06	2.57E-06	0.00E+00	0.00E+00	6.88E-07	1.36E-07	8.66E-07	1.34E-07	1.99E-07	2.02E-06
5829	489235.4	3859194	6.57E-03	7.06E-03	1.09E-02	2.27E-06	6.86E-06	3.97E-06	4.27E-06	3.87E-06	1.77E-06	2.72E-06	0.00E+00	0.00E+00	7.31E-07	1.45E-07	9.20E-07	1.42E-07	2.11E-07	2.15E-06
5830	489149.5	3859148	7.00E-03	7.52E-03	1.15E-02	2.42E-06	7.32E-06	4.24E-06	4.55E-06	4.12E-06	1.88E-06	2.88E-06	0.00E+00	0.00E+00	7.79E-07	1.54E-07	9.80E-07	1.51E-07	2.23E-07	2.29E-06
5831	489063.7	3859102	7.55E-03	8.10E-03	1.23E-02	2.61E-06	7.89E-06	4.57E-06	4.90E-06	4.44E-06	2.03E-06	3.08E-06	0.00E+00	0.00E+00	8.40E-07	1.66E-07	1.06E-06	1.63E-07	2.38E-07	2.46E-06
5832	488977.8	3859056	8.26E-03	8.85E-03	1.33E-02	2.86E-06	8.63E-06	5.00E-06	5.35E-06	4.85E-06	2.21E-06	3.32E-06	0.00E+00	0.00E+00	9.19E-07	1.82E-07	1.15E-06	1.78E-07	2.57E-07	2.69E-06
5833	488891.9	3859010	9.20E-03	9.84E-03	1.45E-02	3.19E-06	9.62E-06	5.57E-06	5.95E-06	5.39E-06	2.46E-06	3.63E-06	0.00E+00	0.00E+00	1.02E-06	2.02E-07	1.28E-06	1.98E-07	2.81E-07	2.99E-06
5834	488808	3859061	8.13E-03	8.72E-03	1.31E-02	2.82E-06	8.50E-06	4.92E-06	5.27E-06	4.78E-06	2.18E-06	3.28E-06	0.00E+00	0.00E+00	9.05E-07	1.79E-07	1.14E-06	1.75E-07	2.54E-07	2.65E-06
5835	488809.9	3859158	6.98E-03	7.50E-03	1.15E-02	2.42E-06	7.29E-06	4.22E-06	4.54E-06	4.11E-06	1.88E-06	2.87E-06	0.00E+00	0.00E+00	7.77E-07	1.54E-07	9.77E-07	1.51E-07	2.23E-07	2.28E-06
5836	488811.9	3859255	6.20E-03	6.67E-03	1.03E-02	2.15E-06	6.48E-06	3.75E-06	4.04E-06	3.66E-06	1.67E-06	2.58E-06	0.00E+00	0.00E+00	6.91E-07	1.37E-07	8.69E-07	1.34E-07	2.00E-07	2.03E-06
5837	488813.8	3859352	5.61E-03	6.03E-03	9.37E-03	1.94E-06	5.86E-06	3.39E-06	3.65E-06	3.31E-06	1.51E-06	2.35E-06	0.00E+00	0.00E+00	6.24E-07	1.24E-07	7.86E-07	1.21E-07	1.82E-07	1.84E-06
5838	488815.7	3859449	5.13E-03	5.52E-03	8.60E-03	1.77E-06	5.36E-06	3.10E-06	3.34E-06	3.03E-06	1.38E-06	2.15E-06	0.00E+00	0.00E+00	5.71E-07	1.13E-07	7.19E-07	1.11E-07	1.67E-07	1.68E-06
5839	488910	3859547	4.71E-03	5.07E-03	7.92E-03	1.63E-06	4.92E-06	2.85E-06	3.07E-06	2.78E-06	1.27E-06	1.98E-06	0.00E+00	0.00E+00	5.24E-07	1.04E-07	6.61E-07	1.02E-07	1.54E-07	1.54E-06
5840	489002.5	3859548	4.70E-03	5.06E-03	7.91E-03	1.63E-06	4.91E-06	2.84E-06	3.06E-06	2.77E-06	1.27E-06	1.98E-06	0.00E+00	0.00E+00	5.23E-07	1.04E-07	6.59E-07	1.02E-07	1.53E-07	1.54E-06
5841	489094.9	3859549	4.68E-03	5.04E-03	7.88E-03	1.62E-06	4.89E-06	2.83E-06	3.05E-06	2.76E-06	1.26E-06	1.97E-06	0.00E+00	0.00E+00	5.20E-07	1.03E-07	6.56E-07	1.01E-07	1.53E-07	1.53E-06
5842	489230.1	3859602	4.45E-03	4.79E-03	7.51E-03	1.54E-06	4.65E-06	2.69E-06	2.90E-06	2.63E-06	1.20E-06	1.88E-06	0.00E+00	0.00E+00	4.95E-07	9.84E-08	6.25E-07	9.63E-08	1.45E-07	1.46E-06
5843	489227.5	3859681	4.21E-03	4.54E-03	7.11E-03	1.46E-06	4.40E-06	2.55E-06	2.74E-06	2.49E-06	1.14E-06	1.78E-06	0.00E+00	0.00E+00	4.69E-07	9.31E-08	5.91E-07	9.11E-08	1.38E-07	1.38E-06
5844	489133.5	3859760	4.00E-03	4.31E-03	6.76E-03	1.38E-06	4.18E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.69E-06	0.00E+00	0.00E+00	4.45E-07	8.85E-08	5.61E-07	8.66E-08	1.31E-07	1.31E-06
5845	489042	3859761	4.00E-03	4.31E-03	6.76E-03	1.38E-06	4.18E-06	2.42E-06	2.61E-06	2.36E-06	1.08E-06	1.69E-06	0.00E+00	0.00E+00	4.45E-07	8.85E-08	5.61E-07	8.66E-08	1.31E-07	1.31E-06
5846	488950.5	3859761	3.99E-03	4.30E-03	6.74E-03	1.38E-06	4.17E-06	2.41E-06	2.60E-06	2.36E-06	1.08E-06	1.69E-06	0.00E+00	0.00E+00	4.44E-07	8.82E-08	5.60E-07	8.64E-08	1.31E-07	1.31E-06
5847	488858.9	3859761	3.97E-03	4.28E-03	6.71E-03	1.38E-06	4.15E-06	2.40E-06	2.59E-06	2.35E-06	1.07E-06	1.68E-06	0.00E+00	0.00E+00	4.42E-07	8.79E-08	5.58E-07	8.60E-08	1.30E-07	1.30E-06
5848	488767.4	3859762	3.94E-03	4.25E-03	6.65E-03	1.36E-06	4.12E-06	2.38E-06	2.57E-06	2.33E-06	1.06E-06	1.66E-06	0.00E+00	0.00E+00	4.39E-07	8.72E-08	5.53E-07	8.53E-08	1.29E-07	1.29E-06
5849	488675.9	3859762	3.92E-03	4.22E-03	6.60E-03	1.36E-06	4.09E-06	2.37E-06	2.55E-06	2.31E-06	1.06E-06	1.65E-06	0.00E+00	0.00E+00	4.36E-07	8.66E-08	5.50E-07	8.48E-08	1.28E-07	1.29E-06
5850	488584.4	3859763	3.88E-03	4.18E-03	6.53E-03	1.34E-06	4.06E-06	2.35E-06	2.53E-06	2.29E-06	1.05E-06	1.64E-06	0.00E+00	0.00E+00	4.32E-07	8.59E-08	5.45E-07	8.40E-08	1.27E-07	1.27E-06
5851	488492.9	3859763	3.85E-03	4.15E-03	6.48E-03	1.33E-06	4.03E-06	2.33E-06	2.51E-06	2.28E-06	1.04E-06	1.62E-06	0.00E+00	0.00E+00	4.29E-07	8.52E-08	5.41E-07	8.34E-08	1.26E-07	1.26E-06
5852	488402.8	3859831	3.64E-03	3.92E-03	6.13E-03	1.26E-06	3.81E-06	2.20E-06	2.37E-06	2.15E-06	9.82E-07	1.53E-06	0.00E+00	0.00E+00	4.05E-07	8.06E-08	5.11E-07	7.88E-08	1.19E-07	1.19E-06
5853	488404.1	3859899	3.46E-03	3.73E-03	5.82E-03	1.20E-06	3.62E-06	2.09E-06	2.26E-06	2.04E-06	9.33E-07	1.46E-06	0.00E+00	0.00E+00	3.85E-07	7.66E-08	4.86E-07	7.49E-08	1.13E-07	1.14E-06
5854	488505.2	3859965	3.33E-03	3.59E-03	5.61E-03	1.15E-06	3.48E-06	2.01E-06	2.17E-06	1.97E-06	8.98E-07	1.40E-06	0.00E+00	0.00E+00	3.71E-07	7.37E-08	4.67E-07	7.21E-08	1.09E-07	1.09E-06
5855	488604.9	3859964	3.35E-03	3.61E-03	5.66E-03	1.16E-06	3.51E-06	2.03E-06	2.19E-06	1.98E-06	9.04E-07	1.42E-06	0.00E+00	0.00E+00	3.73E-07	7.42E-08	4.71E-07	7.26E-08	1.10E-07	1.10E-06
5856	488704.5	3859963	3.38E-03	3.65E-03	5.71E-03	1.17E-06	3.54E-06	2.05E-06	2.21E-06	2.00E-06	9.13E-07	1.43E-06	0.00E+00	0.00E+00	3.77E-07	7.49E-08	4.75E-07	7.33E-08	1.11E-07	1.11E-06
5857	488804.2	3859961	3.42E-03	3.68E-03	5.77E-03	1.18E-06	3.57E-06	2.07E-06	2.23E-06	2.02E-06	9.22E-07	1.45E-06	0.00E+00	0.00E+00	3.80E-07	7.56E-08	4.80E-07	7.40E-08	1.12E-07	1.12E-06
5858	488903.9	3859960	3.45E-03	3.72E-03	5.83E-03	1.19E-06	3.61E-06	2.09E-06	2.25E-06	2.04E-06	9.31E-07	1.46E-06	0.00E+00	0.00E+00	3.84E-07	7.64E-08	4.85E-07	7.47E-08	1.13E-07	1.13E-06
5859	489003.5	3859959	3.47E-03	3.74E-03	5.88E-03	1.20E-06	3.63E-06	2.10E-06	2.27E-06	2.05E-06	9.37E-07	1.47E-06	0.00E+00	0.00E+00	3.87E-07	7.69E-08	4.88E-07	7.52E-08	1.14E-07	1.14E-06
5860	489103.2	3859958	3.49E-03	3.76E-03	5.91E-03	1.21E-06	3.65E-06	2.11E-06	2.28E-06	2.06E-06	9.42E-07	1.48E-06	0.00E+00	0.00E+00	3.89E-07	7.73E-08	4.90E-07	7.56E-08	1.15E-07	1.15E-06
5861	489201.5	3860047	3.31E-03	3.57E-03	5.61E-03	1.15E-06	3.46E-06	2.00E-06	2.16E-06	1.96E-06	8.92E-07	1.40E-06	0.00E+00	0.00E+00	3.68E-07	7.32E-08	4.65E-07	7.17E-08	1.09E-07	1.09E-06
5862	489200.1	3860137	3.12E-03	3.36E-03	5.29E-03	1.08E-06	3.26E-06	1.89E-06	2.04E-06	1.85E-06	8.42E-07	1.32E-06	0.00E+00	0.00E+00	3.47E-07	6.91E-08	4.38E-07	6.76E-08	1.03E-07	1.03E-06
5863	489198.7	3860227	2.95E-03	3.18E-03	5.00E-03	1.02E-06	3.08E-06	1.78E-06	1.92E-06	1.74E-06	7.96E-07	1.25E-06	0.00E+00	0.00E+00	3.28E-07	6.53E-08	4.14E-07	6.39E-08	9.69E-08	9.69E-07
5864	489197.4	3860317	2.79E-03	3.01E-03	4.73E-03	9.65E-07	2.91E-06	1.69E-06	1.82E-06	1.65E-06	7.52E-07	1.18E-06	0.00E+00	0.00E+00	3.10E-07	6.17E-08	3.92E-07	6.04E-08	9.16E-08	9.16E-07

5865	489196	3860407	2.64E-03	2.85E-03	4.48E-03	9.15E-07	2.76E-06	1.60E-06	1.72E-06	1.56E-06	7.13E-07	1.12E-06	0.00E+00	0.00E+00	2.94E-07	5.85E-08	3.71E-07	5.73E-08	8.69E-08	8.69E-07
5866	489194.6	3860497	2.50E-03	2.70E-03	4.24E-03	8.67E-07	2.62E-06	1.51E-06	1.63E-06	1.48E-06	6.75E-07	1.06E-06	0.00E+00	0.00E+00	2.79E-07	5.54E-08	3.52E-07	5.42E-08	8.23E-08	8.22E-07
5867	489193.3	3860587	2.38E-03	2.57E-03	4.04E-03	8.25E-07	2.49E-06	1.44E-06	1.55E-06	1.41E-06	6.43E-07	1.01E-06	0.00E+00	0.00E+00	2.65E-07	5.27E-08	3.35E-07	5.16E-08	7.83E-08	7.82E-07
5868	489092	3860678	2.25E-03	2.43E-03	3.82E-03	7.80E-07	2.35E-06	1.36E-06	1.47E-06	1.33E-06	6.08E-07	9.55E-07	0.00E+00	0.00E+00	2.51E-07	4.99E-08	3.16E-07	4.88E-08	7.40E-08	7.40E-07
5869	488992.1	3860680	2.24E-03	2.41E-03	3.79E-03	7.74E-07	2.34E-06	1.35E-06	1.46E-06	1.32E-06	6.04E-07	9.48E-07	0.00E+00	0.00E+00	2.49E-07	4.95E-08	3.14E-07	4.85E-08	7.34E-08	7.35E-07
5870	488892.3	3860681	2.23E-03	2.40E-03	3.77E-03	7.71E-07	2.33E-06	1.35E-06	1.45E-06	1.32E-06	6.00E-07	9.43E-07	0.00E+00	0.00E+00	2.48E-07	4.93E-08	3.13E-07	4.82E-08	7.30E-08	7.31E-07
5871	488792.4	3860682	2.21E-03	2.39E-03	3.75E-03	7.67E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.97E-07	9.38E-07	0.00E+00	0.00E+00	2.46E-07	4.90E-08	3.11E-07	4.80E-08	7.26E-08	7.27E-07
5872	488692.5	3860684	2.21E-03	2.38E-03	3.73E-03	7.64E-07	2.31E-06	1.34E-06	1.44E-06	1.30E-06	5.95E-07	9.35E-07	0.00E+00	0.00E+00	2.46E-07	4.89E-08	3.10E-07	4.78E-08	7.24E-08	7.25E-07
5873	488592.6	3860685	2.19E-03	2.36E-03	3.71E-03	7.59E-07	2.29E-06	1.33E-06	1.43E-06	1.30E-06	5.91E-07	9.27E-07	0.00E+00	0.00E+00	2.44E-07	4.85E-08	3.08E-07	4.75E-08	7.18E-08	7.20E-07
5874	488492.7	3860686	2.19E-03	2.36E-03	3.70E-03	7.59E-07	2.29E-06	1.33E-06	1.43E-06	1.30E-06	5.91E-07	9.27E-07	0.00E+00	0.00E+00	2.44E-07	4.85E-08	3.08E-07	4.75E-08	7.18E-08	7.20E-07
5875	488299.1	3860762	2.13E-03	2.29E-03	3.59E-03	7.37E-07	2.23E-06	1.29E-06	1.39E-06	1.26E-06	5.74E-07	9.00E-07	0.00E+00	0.00E+00	2.37E-07	4.71E-08	2.99E-07	4.61E-08	6.97E-08	6.99E-07
5876	488205.3	3860764	2.11E-03	2.27E-03	3.56E-03	7.30E-07	2.20E-06	1.28E-06	1.37E-06	1.25E-06	5.69E-07	8.90E-07	0.00E+00	0.00E+00	2.35E-07	4.67E-08	2.96E-07	4.57E-08	6.89E-08	6.92E-07
5877	488111.6	3860766	2.08E-03	2.25E-03	3.51E-03	7.21E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.62E-07	8.79E-07	0.00E+00	0.00E+00	2.32E-07	4.61E-08	2.93E-07	4.51E-08	6.81E-08	6.84E-07
5878	488017.8	3860768	2.06E-03	2.22E-03	3.47E-03	7.14E-07	2.15E-06	1.25E-06	1.34E-06	1.22E-06	5.56E-07	8.69E-07	0.00E+00	0.00E+00	2.29E-07	4.56E-08	2.89E-07	4.46E-08	6.73E-08	6.76E-07
5879	487924.1	3860770	2.05E-03	2.20E-03	3.44E-03	7.08E-07	2.14E-06	1.24E-06	1.33E-06	1.21E-06	5.51E-07	8.62E-07	0.00E+00	0.00E+00	2.28E-07	4.52E-08	2.87E-07	4.43E-08	6.68E-08	6.71E-07
5880	487830.3	3860772	2.03E-03	2.19E-03	3.42E-03	7.04E-07	2.13E-06	1.23E-06	1.33E-06	1.20E-06	5.48E-07	8.57E-07	0.00E+00	0.00E+00	2.26E-07	4.50E-08	2.85E-07	4.40E-08	6.63E-08	6.67E-07
5881	487736.6	3860774	2.03E-03	2.18E-03	3.41E-03	7.02E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.46E-07	8.54E-07	0.00E+00	0.00E+00	2.26E-07	4.48E-08	2.84E-07	4.39E-08	6.61E-08	6.65E-07
5882	487642.8	3860776	2.03E-03	2.18E-03	3.41E-03	7.02E-07	2.12E-06	1.23E-06	1.32E-06	1.20E-06	5.47E-07	8.54E-07	0.00E+00	0.00E+00	2.26E-07	4.49E-08	2.85E-07	4.39E-08	6.61E-08	6.65E-07
5883	487549.5	3860685	2.12E-03	2.29E-03	3.57E-03	7.35E-07	2.22E-06	1.28E-06	1.38E-06	1.25E-06	5.72E-07	8.94E-07	0.00E+00	0.00E+00	2.36E-07	4.70E-08	2.98E-07	4.59E-08	6.92E-08	6.96E-07
5884	487549.9	3860592	2.21E-03	2.38E-03	3.72E-03	7.65E-07	2.31E-06	1.34E-06	1.44E-06	1.31E-06	5.96E-07	9.30E-07	0.00E+00	0.00E+00	2.46E-07	4.89E-08	3.10E-07	4.78E-08	7.20E-08	7.25E-07
5885	487550.3	3860499	2.31E-03	2.49E-03	3.89E-03	8.01E-07	2.42E-06	1.40E-06	1.51E-06	1.37E-06	6.24E-07	9.74E-07	0.00E+00	0.00E+00	2.58E-07	5.12E-08	3.25E-07	5.01E-08	7.54E-08	7.59E-07
5886	487550.8	3860406	2.43E-03	2.62E-03	4.09E-03	8.42E-07	2.54E-06	1.47E-06	1.58E-06	1.44E-06	6.56E-07	1.02E-06	0.00E+00	0.00E+00	2.71E-07	5.38E-08	3.41E-07	5.26E-08	7.93E-08	7.98E-07
5887	487551.2	3860314	2.55E-03	2.75E-03	4.29E-03	8.83E-07	2.67E-06	1.54E-06	1.66E-06	1.51E-06	6.88E-07	1.07E-06	0.00E+00	0.00E+00	2.84E-07	5.64E-08	3.58E-07	5.52E-08	8.31E-08	8.37E-07
5888	487551.6	3860221	2.69E-03	2.89E-03	4.52E-03	9.30E-07	2.81E-06	1.63E-06	1.75E-06	1.59E-06	7.24E-07	1.13E-06	0.00E+00	0.00E+00	2.99E-07	5.94E-08	3.77E-07	5.81E-08	8.75E-08	8.81E-07
5889	487552.1	3860128	2.85E-03	3.07E-03	4.79E-03	9.87E-07	2.98E-06	1.72E-06	1.86E-06	1.68E-06	7.68E-07	1.20E-06	0.00E+00	0.00E+00	3.17E-07	6.30E-08	4.00E-07	6.17E-08	9.28E-08	9.35E-07
5890	487552.5	3860036	3.02E-03	3.26E-03	5.08E-03	1.05E-06	3.16E-06	1.83E-06	1.97E-06	1.79E-06	8.15E-07	1.27E-06	0.00E+00	0.00E+00	3.37E-07	6.69E-08	4.24E-07	6.55E-08	9.85E-08	9.92E-07
5891	487552.9	3859943	3.19E-03	3.43E-03	5.36E-03	1.10E-06	3.33E-06	1.93E-06	2.08E-06	1.88E-06	8.59E-07	1.34E-06	0.00E+00	0.00E+00	3.55E-07	7.05E-08	4.48E-07	6.90E-08	1.04E-07	1.05E-06
5892	487553.3	3859850	3.40E-03	3.67E-03	5.72E-03	1.18E-06	3.56E-06	2.06E-06	2.22E-06	2.01E-06	9.18E-07	1.43E-06	0.00E+00	0.00E+00	3.79E-07	7.53E-08	4.78E-07	7.37E-08	1.11E-07	1.12E-06
5893	487553.8	3859757	3.62E-03	3.90E-03	6.08E-03	1.25E-06	3.79E-06	2.19E-06	2.36E-06	2.14E-06	9.76E-07	1.52E-06	0.00E+00	0.00E+00	4.03E-07	8.01E-08	5.08E-07	7.84E-08	1.18E-07	1.19E-06
5894	487554.2	3859665	3.87E-03	4.16E-03	6.49E-03	1.34E-06	4.04E-06	2.34E-06	2.52E-06	2.28E-06	1.04E-06	1.62E-06	0.00E+00	0.00E+00	4.31E-07	8.55E-08	5.43E-07	8.37E-08	1.26E-07	1.27E-06
5895	487460.2	3859571	4.12E-03	4.44E-03	6.91E-03	1.43E-06	4.31E-06	2.49E-06	2.68E-06	2.43E-06	1.11E-06	1.73E-06	0.00E+00	0.00E+00	4.59E-07	9.11E-08	5.78E-07	8.91E-08	1.34E-07	1.35E-06
5896	487365.8	3859570	4.11E-03	4.42E-03	6.90E-03	1.42E-06	4.29E-06	2.49E-06	2.68E-06	2.43E-06	1.11E-06	1.73E-06	0.00E+00	0.00E+00	4.57E-07	9.09E-08	5.77E-07	8.89E-08	1.34E-07	1.35E-06
5897	487271.4	3859569	4.09E-03	4.41E-03	6.87E-03	1.42E-06	4.28E-06	2.48E-06	2.67E-06	2.42E-06	1.10E-06	1.72E-06	0.00E+00	0.00E+00	4.56E-07	9.05E-08	5.74E-07	8.86E-08	1.33E-07	1.34E-06
5898	487176.9	3859569	4.07E-03	4.39E-03	6.84E-03	1.41E-06	4.26E-06	2.46E-06	2.65E-06	2.41E-06	1.10E-06	1.71E-06	0.00E+00	0.00E+00	4.53E-07	9.01E-08	5.71E-07	8.81E-08	1.33E-07	1.34E-06
5899	487082.5	3859568	4.06E-03	4.37E-03	6.81E-03	1.40E-06	4.24E-06	2.45E-06	2.64E-06	2.40E-06	1.09E-06	1.71E-06	0.00E+00	0.00E+00	4.51E-07	8.97E-08	5.69E-07	8.78E-08	1.32E-07	1.33E-06
5900	486988.1	3859567	4.03E-03	4.34E-03	6.78E-03	1.40E-06	4.21E-06	2.44E-06	2.63E-06	2.38E-06	1.09E-06	1.70E-06	0.00E+00	0.00E+00	4.49E-07	8.92E-08	5.66E-07	8.73E-08	1.31E-07	1.32E-06
5901	486893.7	3859566	4.01E-03	4.32E-03	6.74E-03	1.39E-06	4.19E-06	2.42E-06	2.61E-06	2.37E-06	1.08E-06	1.69E-06	0.00E+00	0.00E+00	4.46E-07	8.86E-08	5.62E-07	8.67E-08	1.31E-07	1.31E-06
5902	486799.3	3859566	3.98E-03	4.28E-03	6.69E-03	1.38E-06	4.16E-06	2.41E-06	2.59E-06	2.35E-06	1.07E-06	1.67E-06	0.00E+00	0.00E+00	4.43E-07	8.80E-08	5.58E-07	8.61E-08	1.30E-07	1.30E-06
5903	486704.8	3859565	3.95E-03	4.25E-03	6.64E-03	1.37E-06	4.13E-06	2.39E-06	2.57E-06	2.33E-06	1.06E-06	1.66E-06	0.00E+00	0.00E+00	4.40E-07	8.74E-08	5.54E-07	8.55E-08	1.29E-07	1.30E-06
5904	486610.4	3859564	3.92E-03	4.22E-03	6.60E-03	1.36E-06	4.10E-06	2.37E-06	2.56E-06	2.32E-06	1.06E-06	1.65E-06	0.00E+00	0.00E+00	4.37E-07	8.68E-08	5.50E-07	8.49E-08	1.28E-07	1.29E-06
5905	486516	3859563	3.88E-03	4.18E-03	6.53E-03	1.34E-06	4.06E-06	2.35E-06	2.53E-06	2.29E-06	1.05E-06	1.63E-06	0.00E+00	0.00E+00	4.32E-07	8.58E-08	5.45E-07	8.40E-08	1.27E-07	1.27E-06
5906	486421.6	3859562	3.85E-03	4.14E-03	6.47E-03	1.33E-06	4.02E-06	2.33E-06	2.51E-06	2.27E-06	1.04E-06	1.62E-06	0.00E+00	0.00E+00	4.28E-07	8.51E-08	5.40E-07	8.32E-08	1.25E-07	1.26E-06
5907	486327.1	3859562	3.82E-03	4.11E-03	6.43E-03	1.32E-06	3.99E-06	2.31E-06	2.49E-06	2.26E-06	1.03E-06	1.61E-06	0.00E+00	0.00E+00	4.25E-07	8.45E-08	5.36E-07	8.27E-08	1.25E-07	1.25E-06
5908	486232.7	3859561	3.78E-03	4.07E-03	6.36E-03	1.31E-06	3.95E-06	2.29E-06	2.46E-06	2.23E-06	1.02E-06	1.59E-06	0.00E+00	0.00E+00	4.21E-07	8.36E-08	5.31E-07	8.18E-08	1.23E-07	1.24E-06
5909	486138.3	3859560	3.75E-03	4.03E-03	6.31E-03	1.30E-06	3.91E-06	2.27E-06	2.44E-06	2.21E-06	1.01E-06	1.58E-06	0.00E+00	0.00E+00	4.17E-07	8.28E-08	5.26E-07	8.11E-08	1.22E-07	1.23E-06
5910	486043.9	3859559	3.71E-03	3.99E-03	6.25E-03	1.28E-06	3.88E-06	2.24E-06	2.42E-06	2.19E-06	1.00E-06	1.56E-06	0.00E+00	0.00E+00	4.13E-07	8.20E-08	5.21E-07	8.03E-08	1.21E-07	1.22E-06
5911	485949.4	3859464	3.89E-03	4.19E-03	6.56E-03	1.35E-06	4.07E-06	2.35E-06	2.54E-06	2.30E-06	1.05E-06	1.64E-06	0.00E+00	0.00E+00	4.33E-07	8.61E-08	5.46E-07	8.42E-08	1.27E-07	1.28E-06
5912	485949.2	3859369	4.13E-03	4.45E-03	6.97E-03	1.43E-06	4.32E-06	2.50E-06	2.69E-06	2.44E-06	1.11E-06	1.74E-06	0.00E+00	0.00E+00	4.60E-07	9.14E-08	5.80E-07	8.95E-08	1.35E-07	1.36E-06
5913	485949.1	3859274	4.40E-03	4.74E-03	7.42E-03	1.52E-06	4.60E-06	2.66E-06	2.87E-06	2.60E-06	1.19E-06	1.86E-06	0.00E+00	0.00E+00	4.90E-07	9.74E-08	6.18E-07	9.53E-08	1.44E-07	1.44E-06
5914	485949	3859179	4.69E-03	5.05E-03	7.91E-03	1.62E-06	4.90E-06	2.84E-06	3.06E-06	2.77E-06	1.26E-06	1.98E-06	0.00E+00	0.00E+00	5.22E-07	1.04E-07	6.59E-07	1.02E-07	1.53E-07	1.54E-06
5915	485948.9	3859084	5.02E-03	5.41E-03	8.47E-03	1.74E-06	5.25E-06	3.04E-06	3.27E-06	2.97E-06	1.35E-06	2.12E-06	0.00E+00	0.00E+00	5.59E-07	1.11E-07	7.05E-07	1.09E-07	1.64E-07	1.65E-06
5916	485948.8	3858989	5.36E-03	5.78E-03	9.04E-03	1.86E-06	5.60E-06	3.24E-06	3.50E-06	3.17E-06	1.45E-06	2.26E-06	0.00E+00	0.00E+00	5.97E-07	1.19E-07	7.53E-07	1.16E-07	1.75E-07	1.76E-06
5917	485948.7	3858894	5.73E-03	6.17E-03	9.66E-03	1.98E-06	5.99E-06	3.47E-06	3.73E-06	3.38E-06	1.54E-06	2.42E-06	0.00E+00	0.00E+00	6.38E-07	1.27E-07	8.04E-07	1.24E-07	1.87E-07	1.88E-06
5918	485948.6	3858799	6.17E-03	6.64E-03	1.04E-02	2.13E-06	6.45E-06	3.73E-06	4.02E-06	3.64E-06	1.66E-06	2.60E-06	0.00E+00	0.00E+00	6.86E-07	1.36E-07	8.66E-07	1.34E-07	2.01E-07	2.02E-06
5919	485948.5	3858704	6.59E-03	7.09E-03	1.11E-02	2.28E-06	6.88E-06	3.98E-06	4.29E-06	3.89E-06	1.78E-06	2.78E-06	0.00E+00	0.00E+00	7.33E-07	1.46E-07	9.24E-07	1.43E-07	2.15E-07	2.16E-06
5920	485948.3	3858609	7.10E-03	7.65E-03	1.20E-02	2.46E-06	7.43E-06	4.30E-06	4.63E-06	4.20E-06	1.92E-06	2.99E-06	0.00E+00	0.00E+00	7.91E-07	1.57E-07	9.97E-07	1.54E-07	2.32E-07	2.33E-06
5921	485948.2	3858514	7.68E-03	8.27E-03	1.29E-02	2.66E-06	8.03E-06	4.65E-06	5.00E-06	4.54E-06	2.07E-06	3.24E-06	0.00E+00	0.00E+00	8.55E-07	1.70E-07	1.08E-06	1.66E-07	2.51E-07	2.52E-06

5922	485948.1	3858419	8.30E-03	8.94E-03	1.40E-02	2.87E-06	8.68E-06	5.02E-06	5.41E-06	4.90E-06	2.24E-06	3.50E-06	0.00E+00	0.00E+00	9.24E-07	1.84E-07	1.17E-06	1.80E-07	2.71E-07	2.72E-06
5923	485948	3858324	9.06E-03	9.75E-03	1.52E-02	3.14E-06	9.47E-06	5.48E-06	5.90E-06	5.35E-06	2.44E-06	3.81E-06	0.00E+00	0.00E+00	1.01E-06	2.00E-07	1.27E-06	1.96E-07	2.95E-07	2.97E-06
5924	485947.9	3858229	9.85E-03	1.06E-02	1.66E-02	3.41E-06	1.03E-05	5.96E-06	6.42E-06	5.82E-06	2.66E-06	4.15E-06	0.00E+00	0.00E+00	1.10E-06	2.18E-07	1.38E-06	2.13E-07	3.21E-07	3.23E-06
5925	485947.8	3858134	1.08E-02	1.16E-02	1.81E-02	3.72E-06	1.12E-05	6.51E-06	7.01E-06	6.35E-06	2.90E-06	4.53E-06	0.00E+00	0.00E+00	1.20E-06	2.38E-07	1.51E-06	2.33E-07	3.51E-07	3.53E-06
5926	485947.7	3858039	1.20E-02	1.29E-02	2.02E-02	4.15E-06	1.25E-05	7.25E-06	7.81E-06	7.08E-06	3.23E-06	5.05E-06	0.00E+00	0.00E+00	1.33E-06	2.65E-07	1.68E-06	2.59E-07	3.91E-07	3.93E-06
5927	485854.5	3857943	1.24E-02	1.34E-02	2.09E-02	4.30E-06	1.30E-05	7.52E-06	8.10E-06	7.34E-06	3.35E-06	5.23E-06	0.00E+00	0.00E+00	1.38E-06	2.75E-07	1.74E-06	2.69E-07	4.05E-07	4.08E-06
5928	485761.5	3857943	1.18E-02	1.27E-02	1.98E-02	4.07E-06	1.23E-05	7.11E-06	7.66E-06	6.94E-06	3.17E-06	4.95E-06	0.00E+00	0.00E+00	1.31E-06	2.60E-07	1.65E-06	2.54E-07	3.83E-07	3.86E-06
5929	485668.5	3857943	1.12E-02	1.21E-02	1.88E-02	3.88E-06	1.17E-05	6.78E-06	7.30E-06	6.62E-06	3.02E-06	4.72E-06	0.00E+00	0.00E+00	1.25E-06	2.48E-07	1.57E-06	2.43E-07	3.65E-07	3.68E-06
5930	485575.5	3857943	1.06E-02	1.15E-02	1.79E-02	3.68E-06	1.11E-05	6.44E-06	6.93E-06	6.29E-06	2.87E-06	4.48E-06	0.00E+00	0.00E+00	1.18E-06	2.35E-07	1.49E-06	2.30E-07	3.47E-07	3.49E-06
5931	485482.5	3857942	1.02E-02	1.10E-02	1.71E-02	3.52E-06	1.06E-05	6.16E-06	6.63E-06	6.01E-06	2.74E-06	4.29E-06	0.00E+00	0.00E+00	1.13E-06	2.25E-07	1.43E-06	2.20E-07	3.32E-07	3.34E-06
5932	485389.5	3857942	9.75E-03	1.05E-02	1.64E-02	3.37E-06	1.02E-05	5.90E-06	6.35E-06	5.76E-06	2.63E-06	4.10E-06	0.00E+00	0.00E+00	1.08E-06	2.16E-07	1.37E-06	2.11E-07	3.18E-07	3.20E-06
5933	485296.5	3857942	9.35E-03	1.01E-02	1.57E-02	3.24E-06	9.77E-06	5.66E-06	6.09E-06	5.52E-06	2.52E-06	3.94E-06	0.00E+00	0.00E+00	1.04E-06	2.07E-07	1.31E-06	2.02E-07	3.05E-07	3.07E-06
5934	485203.5	3857942	9.02E-03	9.72E-03	1.52E-02	3.12E-06	9.43E-06	5.46E-06	5.88E-06	5.33E-06	2.43E-06	3.80E-06	0.00E+00	0.00E+00	1.00E-06	2.00E-07	1.27E-06	1.95E-07	2.94E-07	2.96E-06
5935	485110.4	3857941	8.66E-03	9.33E-03	1.46E-02	3.00E-06	9.05E-06	5.24E-06	5.64E-06	5.12E-06	2.33E-06	3.65E-06	0.00E+00	0.00E+00	9.64E-07	1.92E-07	1.22E-06	1.87E-07	2.83E-07	2.84E-06
5936	485017.4	3857941	8.31E-03	8.95E-03	1.40E-02	2.88E-06	8.68E-06	5.03E-06	5.41E-06	4.91E-06	2.24E-06	3.50E-06	0.00E+00	0.00E+00	9.25E-07	1.84E-07	1.17E-06	1.80E-07	2.71E-07	2.73E-06
5937	484924.4	3857941	7.98E-03	8.59E-03	1.34E-02	2.76E-06	8.34E-06	4.83E-06	5.20E-06	4.71E-06	2.15E-06	3.36E-06	0.00E+00	0.00E+00	8.88E-07	1.76E-07	1.12E-06	1.73E-07	2.61E-07	2.62E-06
5938	484831.4	3857940	7.70E-03	8.29E-03	1.30E-02	2.66E-06	8.04E-06	4.66E-06	5.02E-06	4.55E-06	2.07E-06	3.25E-06	0.00E+00	0.00E+00	8.57E-07	1.70E-07	1.08E-06	1.67E-07	2.51E-07	2.53E-06
5939	484738.1	3857859	7.79E-03	8.39E-03	1.31E-02	2.70E-06	8.14E-06	4.71E-06	5.08E-06	4.60E-06	2.10E-06	3.29E-06	0.00E+00	0.00E+00	8.67E-07	1.72E-07	1.09E-06	1.69E-07	2.55E-07	2.56E-06
5940	484737.9	3857778	8.22E-03	8.85E-03	1.38E-02	2.84E-06	8.59E-06	4.97E-06	5.36E-06	4.86E-06	2.22E-06	3.47E-06	0.00E+00	0.00E+00	9.15E-07	1.82E-07	1.15E-06	1.78E-07	2.68E-07	2.70E-06
5941	484737.6	3857697	8.66E-03	9.33E-03	1.46E-02	3.00E-06	9.05E-06	5.24E-06	5.65E-06	5.12E-06	2.34E-06	3.65E-06	0.00E+00	0.00E+00	9.64E-07	1.92E-07	1.22E-06	1.88E-07	2.83E-07	2.84E-06
5942	484737.3	3857617	9.11E-03	9.82E-03	1.53E-02	3.15E-06	9.53E-06	5.51E-06	5.94E-06	5.38E-06	2.46E-06	3.84E-06	0.00E+00	0.00E+00	1.01E-06	2.02E-07	1.28E-06	1.97E-07	2.97E-07	2.99E-06
5943	484645.5	3857535	9.23E-03	9.94E-03	1.55E-02	3.20E-06	9.65E-06	5.58E-06	6.02E-06	5.45E-06	2.49E-06	3.89E-06	0.00E+00	0.00E+00	1.03E-06	2.04E-07	1.30E-06	2.00E-07	3.01E-07	3.03E-06
5944	484554	3857535	8.84E-03	9.52E-03	1.49E-02	3.06E-06	9.24E-06	5.35E-06	5.76E-06	5.22E-06	2.38E-06	3.73E-06	0.00E+00	0.00E+00	9.84E-07	1.96E-07	1.24E-06	1.91E-07	2.89E-07	2.90E-06
5945	484462.5	3857534	8.51E-03	9.17E-03	1.43E-02	2.95E-06	8.90E-06	5.15E-06	5.55E-06	5.03E-06	2.30E-06	3.59E-06	0.00E+00	0.00E+00	9.48E-07	1.88E-07	1.20E-06	1.84E-07	2.78E-07	2.79E-06
5946	484370.9	3857534	8.19E-03	8.83E-03	1.38E-02	2.84E-06	8.57E-06	4.96E-06	5.34E-06	4.84E-06	2.21E-06	3.46E-06	0.00E+00	0.00E+00	9.12E-07	1.81E-07	1.15E-06	1.77E-07	2.68E-07	2.69E-06
5947	484279.4	3857533	7.90E-03	8.51E-03	1.33E-02	2.74E-06	8.26E-06	4.78E-06	5.15E-06	4.67E-06	2.13E-06	3.34E-06	0.00E+00	0.00E+00	8.80E-07	1.75E-07	1.11E-06	1.71E-07	2.58E-07	2.59E-06
5948	484187.9	3857533	7.62E-03	8.20E-03	1.29E-02	2.64E-06	7.96E-06	4.61E-06	4.96E-06	4.50E-06	2.05E-06	3.22E-06	0.00E+00	0.00E+00	8.48E-07	1.69E-07	1.07E-06	1.65E-07	2.49E-07	2.50E-06
5949	484096.3	3857532	7.36E-03	7.93E-03	1.24E-02	2.55E-06	7.70E-06	4.46E-06	4.80E-06	4.35E-06	1.99E-06	3.11E-06	0.00E+00	0.00E+00	8.20E-07	1.63E-07	1.03E-06	1.59E-07	2.41E-07	2.42E-06
5950	484004.8	3857532	7.10E-03	7.65E-03	1.20E-02	2.46E-06	7.42E-06	4.30E-06	4.63E-06	4.20E-06	1.91E-06	3.00E-06	0.00E+00	0.00E+00	7.90E-07	1.57E-07	9.97E-07	1.54E-07	2.32E-07	2.33E-06
5951	483913.3	3857531	6.82E-03	7.35E-03	1.15E-02	2.36E-06	7.13E-06	4.13E-06	4.45E-06	4.03E-06	1.84E-06	2.89E-06	0.00E+00	0.00E+00	7.60E-07	1.51E-07	9.58E-07	1.48E-07	2.23E-07	2.24E-06
5952	483821.7	3857531	6.59E-03	7.10E-03	1.11E-02	2.28E-06	6.89E-06	3.99E-06	4.30E-06	3.89E-06	1.78E-06	2.79E-06	0.00E+00	0.00E+00	7.33E-07	1.46E-07	9.25E-07	1.43E-07	2.16E-07	2.16E-06
5953	483729.6	3857450	6.62E-03	7.13E-03	1.12E-02	2.29E-06	6.91E-06	4.00E-06	4.31E-06	3.91E-06	1.78E-06	2.80E-06	0.00E+00	0.00E+00	7.36E-07	1.46E-07	9.29E-07	1.43E-07	2.17E-07	2.17E-06
5954	483729	3857370	6.92E-03	7.45E-03	1.17E-02	2.39E-06	7.23E-06	4.18E-06	4.51E-06	4.09E-06	1.87E-06	2.93E-06	0.00E+00	0.00E+00	7.70E-07	1.53E-07	9.71E-07	1.50E-07	2.27E-07	2.27E-06
5955	483728.4	3857290	7.20E-03	7.76E-03	1.22E-02	2.49E-06	7.53E-06	4.36E-06	4.69E-06	4.26E-06	1.94E-06	3.05E-06	0.00E+00	0.00E+00	8.02E-07	1.59E-07	1.01E-06	1.56E-07	2.36E-07	2.36E-06
5956	483727.9	3857210	7.49E-03	8.07E-03	1.27E-02	2.59E-06	7.83E-06	4.53E-06	4.88E-06	4.43E-06	2.02E-06	3.17E-06	0.00E+00	0.00E+00	8.34E-07	1.66E-07	1.05E-06	1.62E-07	2.45E-07	2.46E-06
5957	483641.2	3857129	7.53E-03	8.12E-03	1.27E-02	2.61E-06	7.88E-06	4.56E-06	4.91E-06	4.45E-06	2.03E-06	3.19E-06	0.00E+00	0.00E+00	8.39E-07	1.67E-07	1.06E-06	1.63E-07	2.47E-07	2.47E-06
5958	483555	3857128	7.27E-03	7.83E-03	1.23E-02	2.52E-06	7.60E-06	4.40E-06	4.74E-06	4.30E-06	1.96E-06	3.08E-06	0.00E+00	0.00E+00	8.09E-07	1.61E-07	1.02E-06	1.57E-07	2.38E-07	2.39E-06
5959	483468.9	3857127	6.97E-03	7.51E-03	1.18E-02	2.41E-06	7.29E-06	4.22E-06	4.55E-06	4.12E-06	1.88E-06	2.95E-06	0.00E+00	0.00E+00	7.76E-07	1.54E-07	9.79E-07	1.51E-07	2.29E-07	2.29E-06
5960	483382.8	3857126	6.76E-03	7.29E-03	1.14E-02	2.34E-06	7.07E-06	4.09E-06	4.41E-06	4.00E-06	1.82E-06	2.86E-06	0.00E+00	0.00E+00	7.52E-07	1.50E-07	9.49E-07	1.46E-07	2.22E-07	2.22E-06
5961	483296.7	3857125	6.53E-03	7.04E-03	1.11E-02	2.26E-06	6.82E-06	3.95E-06	4.26E-06	3.86E-06	1.76E-06	2.77E-06	0.00E+00	0.00E+00	7.27E-07	1.45E-07	9.17E-07	1.41E-07	2.14E-07	2.14E-06
5962	483210.5	3857124	6.30E-03	6.79E-03	1.07E-02	2.18E-06	6.58E-06	3.81E-06	4.11E-06	3.72E-06	1.70E-06	2.67E-06	0.00E+00	0.00E+00	7.01E-07	1.39E-07	8.85E-07	1.36E-07	2.07E-07	2.07E-06
5963	483123.4	3857031	6.33E-03	6.83E-03	1.07E-02	2.19E-06	6.62E-06	3.83E-06	4.13E-06	3.74E-06	1.71E-06	2.69E-06	0.00E+00	0.00E+00	7.05E-07	1.40E-07	8.90E-07	1.37E-07	2.08E-07	2.08E-06
5964	483122.4	3856938	6.61E-03	7.13E-03	1.12E-02	2.29E-06	6.91E-06	4.00E-06	4.31E-06	3.91E-06	1.78E-06	2.80E-06	0.00E+00	0.00E+00	7.36E-07	1.46E-07	9.29E-07	1.43E-07	2.17E-07	2.17E-06
5965	483121.4	3856846	6.90E-03	7.44E-03	1.17E-02	2.39E-06	7.22E-06	4.18E-06	4.50E-06	4.08E-06	1.86E-06	2.93E-06	0.00E+00	0.00E+00	7.68E-07	1.53E-07	9.70E-07	1.50E-07	2.27E-07	2.27E-06
5966	483120.3	3856753	7.15E-03	7.71E-03	1.21E-02	2.48E-06	7.48E-06	4.33E-06	4.67E-06	4.23E-06	1.93E-06	3.03E-06	0.00E+00	0.00E+00	7.96E-07	1.58E-07	1.00E-06	1.55E-07	2.35E-07	2.35E-06
5967	483119.3	3856661	7.41E-03	7.99E-03	1.26E-02	2.57E-06	7.75E-06	4.49E-06	4.84E-06	4.38E-06	2.00E-06	3.15E-06	0.00E+00	0.00E+00	8.25E-07	1.64E-07	1.04E-06	1.61E-07	2.44E-07	2.43E-06
5968	483118.3	3856568	7.71E-03	8.32E-03	1.31E-02	2.67E-06	8.06E-06	4.67E-06	5.03E-06	4.56E-06	2.08E-06	3.27E-06	0.00E+00	0.00E+00	8.59E-07	1.71E-07	1.08E-06	1.67E-07	2.54E-07	2.53E-06
5969	483117.3	3856476	8.05E-03	8.68E-03	1.37E-02	2.79E-06	8.41E-06	4.87E-06	5.25E-06	4.76E-06	2.17E-06	3.42E-06	0.00E+00	0.00E+00	8.96E-07	1.78E-07	1.13E-06	1.74E-07	2.65E-07	2.64E-06
5970	483116.2	3856384	8.38E-03	9.03E-03	1.42E-02	2.90E-06	8.76E-06	5.07E-06	5.47E-06	4.95E-06	2.26E-06	3.56E-06	0.00E+00	0.00E+00	9.33E-07	1.86E-07	1.18E-06	1.82E-07	2.75E-07	2.75E-06
5971	483115.2	3856291	8.74E-03	9.42E-03	1.48E-02	3.02E-06	9.13E-06	5.29E-06	5.70E-06	5.17E-06	2.36E-06	3.71E-06	0.00E+00	0.00E+00	9.73E-07	1.93E-07	1.23E-06	1.89E-07	2.87E-07	2.87E-06
5972	483114.2	3856199	9.08E-03	9.79E-03	1.54E-02	3.14E-06	9.49E-06	5.50E-06	5.93E-06	5.37E-06	2.45E-06	3.86E-06	0.00E+00	0.00E+00	1.01E-06	2.01E-07	1.28E-06	1.97E-07	2.99E-07	2.98E-06
5973	483113.2	3856106	9.55E-03	1.03E-02	1.62E-02	3.31E-06	9.99E-06	5.78E-06	6.23E-06	5.65E-06	2.58E-06	4.06E-06	0.00E+00	0.00E+00	1.06E-06	2.12E-07	1.34E-06	2.07E-07	3.14E-07	3.14E-06
5974	483112.2	3856014	9.99E-03	1.08E-02	1.70E-02	3.46E-06	1.04E-05	6.05E-06	6.52E-06	5.91E-06	2.70E-06	4.25E-06	0.00E+00	0.00E+00	1.11E-06	2.21E-07	1.40E-06	2.16E-07	3.29E-07	3.28E-06
5975	483029.3	3855920	1.00E-02	1.08E-02	1.70E-02	3.46E-06	1.04E-05	6.05E-06	6.52E-06	5.91E-06	2.70E-06	4.25E-06	0.00E+00	0.00E+00	1.11E-06	2.21E-07	1.40E-06	2.17E-07	3.29E-07	3.29E-06
5976	482947.4	3855920	9.50E-03	1.02E-02	1.62E-02	3.29E-06	9.93E-06	5.75E-06	6.20E-06	5.62E-06	2.56E-06	4.05E-06	0.00E+00	0.00E+00	1.06E-06	2.10E-07	1.33E-06	2.06E-07	3.13E-07	3.12E-06
5977	482865.5	3855919	9.01E-03	9.72E-03	1.54E-02	3.12E-06	9.42E-06	5.45E-06	5.88E-06	5.33E-06	2.43E-06	3.84E-06	0.00E+00	0.00E+00	1.00E-06	2.00E-07	1.27E-06	1.95E-07	2.97E-07	2.96E-06
5978	482783.6	3855919	8.60E-03	9.28E-03	1.47E-02	2.98E-06	8.99E-06	5.21E-06	5.62E-06	5.09E-06	2.32E-06	3.67E-06	0.00E+00	0.00E+00	9.58E-07	1.91E-07	1.21E-06	1.87E-07	2.84E-07	2.83E-06

5979	482700.3	3855818	8.53E-03	9.20E-03	1.46E-02	2.95E-06	8.91E-06	5.16E-06	5.57E-06	5.05E-06	2.30E-06	3.64E-06	0.00E+00	0.00E+00	9.49E-07	1.89E-07	1.20E-06	1.85E-07	2.82E-07	2.80E-06
5980	482698.9	3855719	8.94E-03	9.64E-03	1.53E-02	3.09E-06	9.34E-06	5.41E-06	5.83E-06	5.29E-06	2.41E-06	3.82E-06	0.00E+00	0.00E+00	9.95E-07	1.98E-07	1.26E-06	1.94E-07	2.96E-07	2.94E-06
5981	482697.5	3855619	9.32E-03	1.01E-02	1.59E-02	3.23E-06	9.75E-06	5.64E-06	6.09E-06	5.52E-06	2.52E-06	3.99E-06	0.00E+00	0.00E+00	1.04E-06	2.07E-07	1.31E-06	2.02E-07	3.09E-07	3.07E-06
5982	482696.1	3855519	9.82E-03	1.06E-02	1.68E-02	3.40E-06	1.03E-05	5.94E-06	6.41E-06	5.81E-06	2.65E-06	4.21E-06	0.00E+00	0.00E+00	1.09E-06	2.18E-07	1.38E-06	2.13E-07	3.26E-07	3.23E-06
5983	482694.7	3855419	1.03E-02	1.11E-02	1.76E-02	3.56E-06	1.07E-05	6.22E-06	6.71E-06	6.08E-06	2.77E-06	4.41E-06	0.00E+00	0.00E+00	1.14E-06	2.28E-07	1.44E-06	2.23E-07	3.41E-07	3.38E-06
5984	482693.3	3855319	1.08E-02	1.16E-02	1.85E-02	3.73E-06	1.13E-05	6.52E-06	7.03E-06	6.38E-06	2.91E-06	4.63E-06	0.00E+00	0.00E+00	1.20E-06	2.39E-07	1.52E-06	2.34E-07	3.58E-07	3.54E-06
5985	482691.9	3855219	1.14E-02	1.23E-02	1.96E-02	3.94E-06	1.19E-05	6.89E-06	7.44E-06	6.74E-06	3.08E-06	4.90E-06	0.00E+00	0.00E+00	1.27E-06	2.52E-07	1.60E-06	2.47E-07	3.80E-07	3.75E-06
5986	482690.5	3855119	1.20E-02	1.29E-02	2.07E-02	4.15E-06	1.25E-05	7.25E-06	7.83E-06	7.10E-06	3.24E-06	5.17E-06	0.00E+00	0.00E+00	1.33E-06	2.66E-07	1.69E-06	2.60E-07	4.00E-07	3.95E-06
5987	482689.1	3855020	1.29E-02	1.39E-02	2.23E-02	4.45E-06	1.34E-05	7.78E-06	8.41E-06	7.62E-06	3.48E-06	5.57E-06	0.00E+00	0.00E+00	1.43E-06	2.85E-07	1.81E-06	2.79E-07	4.31E-07	4.24E-06
5988	482687.7	3854920	1.36E-02	1.47E-02	2.37E-02	4.72E-06	1.42E-05	8.24E-06	8.91E-06	8.08E-06	3.69E-06	5.93E-06	0.00E+00	0.00E+00	1.52E-06	3.03E-07	1.92E-06	2.96E-07	4.59E-07	4.49E-06
5989	482686.3	3854820	1.46E-02	1.58E-02	2.55E-02	5.05E-06	1.53E-05	8.84E-06	9.56E-06	8.66E-06	3.95E-06	6.38E-06	0.00E+00	0.00E+00	1.63E-06	3.24E-07	2.06E-06	3.17E-07	4.94E-07	4.82E-06
5990	482684.9	3854720	1.54E-02	1.66E-02	2.69E-02	5.32E-06	1.61E-05	9.29E-06	1.01E-05	9.12E-06	4.16E-06	6.73E-06	0.00E+00	0.00E+00	1.71E-06	3.41E-07	2.17E-06	3.34E-07	5.21E-07	5.07E-06
5991	482683.5	3854620	1.63E-02	1.77E-02	2.87E-02	5.65E-06	1.70E-05	9.87E-06	1.07E-05	9.69E-06	4.42E-06	7.18E-06	0.00E+00	0.00E+00	1.82E-06	3.63E-07	2.30E-06	3.55E-07	5.56E-07	5.39E-06
5992	482682.1	3854520	1.67E-02	1.81E-02	2.95E-02	5.77E-06	1.74E-05	1.01E-05	1.09E-05	9.91E-06	4.52E-06	7.37E-06	0.00E+00	0.00E+00	1.86E-06	3.71E-07	2.36E-06	3.63E-07	5.71E-07	5.52E-06
5993	482680.7	3854420	1.65E-02	1.79E-02	2.92E-02	5.70E-06	1.72E-05	9.97E-06	1.08E-05	9.79E-06	4.47E-06	7.31E-06	0.00E+00	0.00E+00	1.83E-06	3.67E-07	2.33E-06	3.59E-07	5.66E-07	5.45E-06
5994	482679.3	3854321	1.58E-02	1.71E-02	2.81E-02	5.46E-06	1.65E-05	9.54E-06	1.04E-05	9.38E-06	4.28E-06	7.04E-06	0.00E+00	0.00E+00	1.76E-06	3.51E-07	2.23E-06	3.44E-07	5.45E-07	5.23E-06
5995	482677.9	3854221	1.53E-02	1.66E-02	2.72E-02	5.29E-06	1.60E-05	9.25E-06	1.00E-05	9.09E-06	4.15E-06	6.81E-06	0.00E+00	0.00E+00	1.70E-06	3.41E-07	2.16E-06	3.33E-07	5.27E-07	5.06E-06
5996	482676.5	3854121	1.38E-02	1.49E-02	2.44E-02	4.77E-06	1.44E-05	8.33E-06	9.03E-06	8.19E-06	3.74E-06	6.11E-06	0.00E+00	0.00E+00	1.53E-06	3.07E-07	1.95E-06	3.00E-07	4.73E-07	4.56E-06
5997	482675	3854021	1.23E-02	1.33E-02	2.17E-02	4.26E-06	1.29E-05	7.45E-06	8.07E-06	7.32E-06	3.34E-06	5.42E-06	0.00E+00	0.00E+00	1.37E-06	2.74E-07	1.74E-06	2.68E-07	4.20E-07	4.07E-06
5998	482673.6	3853921	1.07E-02	1.16E-02	1.86E-02	3.72E-06	1.12E-05	6.50E-06	7.02E-06	6.37E-06	2.90E-06	4.66E-06	0.00E+00	0.00E+00	1.20E-06	2.38E-07	1.51E-06	2.33E-07	3.60E-07	3.54E-06
5999	482672.2	3853821	9.36E-03	1.01E-02	1.58E-02	3.24E-06	9.78E-06	5.66E-06	6.10E-06	5.53E-06	2.52E-06	3.96E-06	0.00E+00	0.00E+00	1.04E-06	2.07E-07	1.31E-06	2.03E-07	3.07E-07	3.07E-06
6000	482670.8	3853721	7.86E-03	8.43E-03	1.28E-02	2.72E-06	8.22E-06	4.76E-06	5.10E-06	4.63E-06	2.11E-06	3.21E-06	0.00E+00	0.00E+00	8.75E-07	1.73E-07	1.10E-06	1.70E-07	2.49E-07	2.57E-06
6001	482669.4	3853622	6.48E-03	6.92E-03	1.02E-02	2.24E-06	6.77E-06	3.92E-06	4.19E-06	3.80E-06	1.73E-06	2.55E-06	0.00E+00	0.00E+00	7.21E-07	1.42E-07	9.02E-07	1.39E-07	1.97E-07	2.10E-06
6002	482646	3853446	4.47E-03	4.78E-03	7.10E-03	1.55E-06	4.67E-06	2.71E-06	2.89E-06	2.62E-06	1.20E-06	1.78E-06	0.00E+00	0.00E+00	4.98E-07	9.82E-08	6.23E-07	9.61E-08	1.38E-07	1.45E-06
6003	482624	3853370	3.80E-03	4.08E-03	6.17E-03	1.32E-06	3.97E-06	2.30E-06	2.47E-06	2.24E-06	1.02E-06	1.54E-06	0.00E+00	0.00E+00	4.23E-07	8.37E-08	5.31E-07	8.19E-08	1.20E-07	1.24E-06
6004	482601.9	3853295	3.36E-03	3.61E-03	5.53E-03	1.16E-06	3.52E-06	2.04E-06	2.19E-06	1.98E-06	9.04E-07	1.38E-06	0.00E+00	0.00E+00	3.74E-07	7.42E-08	4.71E-07	7.26E-08	1.07E-07	1.10E-06
6005	482531.3	3853133	2.78E-03	2.99E-03	4.63E-03	9.63E-07	2.91E-06	1.68E-06	1.81E-06	1.64E-06	7.49E-07	1.16E-06	0.00E+00	0.00E+00	3.10E-07	6.14E-08	3.90E-07	6.01E-08	8.98E-08	9.11E-07
6006	482482.7	3853048	2.57E-03	2.77E-03	4.30E-03	8.90E-07	2.69E-06	1.56E-06	1.67E-06	1.52E-06	6.92E-07	1.08E-06	0.00E+00	0.00E+00	2.86E-07	5.68E-08	3.61E-07	5.56E-08	8.33E-08	8.42E-07
6007	482383.1	3852897	2.28E-03	2.45E-03	3.82E-03	7.89E-07	2.38E-06	1.38E-06	1.48E-06	1.34E-06	6.14E-07	9.56E-07	0.00E+00	0.00E+00	2.54E-07	5.04E-08	3.20E-07	4.93E-08	7.40E-08	7.47E-07
6008	482265.6	3852765	2.09E-03	2.25E-03	3.51E-03	7.23E-07	2.18E-06	1.26E-06	1.36E-06	1.23E-06	5.63E-07	8.78E-07	0.00E+00	0.00E+00	2.33E-07	4.62E-08	2.93E-07	4.52E-08	6.80E-08	6.85E-07
6009	482199.2	3852698	2.01E-03	2.16E-03	3.38E-03	6.95E-07	2.10E-06	1.22E-06	1.31E-06	1.19E-06	5.41E-07	8.45E-07	0.00E+00	0.00E+00	2.24E-07	4.44E-08	2.82E-07	4.35E-08	6.54E-08	6.59E-07
6010	482132.7	3852630	1.93E-03	2.08E-03	3.25E-03	6.69E-07	2.02E-06	1.17E-06	1.26E-06	1.14E-06	5.21E-07	8.14E-07	0.00E+00	0.00E+00	2.15E-07	4.27E-08	2.71E-07	4.18E-08	6.30E-08	6.34E-07
6011	482066.2	3852562	1.86E-03	2.01E-03	3.14E-03	6.44E-07	1.95E-06	1.13E-06	1.21E-06	1.10E-06	5.02E-07	7.85E-07	0.00E+00	0.00E+00	2.07E-07	4.12E-08	2.61E-07	4.03E-08	6.08E-08	6.11E-07
6012	481999.7	3852495	1.80E-03	1.93E-03	3.02E-03	6.21E-07	1.88E-06	1.09E-06	1.17E-06	1.06E-06	4.84E-07	7.57E-07	0.00E+00	0.00E+00	2.00E-07	3.97E-08	2.52E-07	3.89E-08	5.86E-08	5.89E-07
6013	481933.3	3852427	1.73E-03	1.87E-03	2.92E-03	6.00E-07	1.81E-06	1.05E-06	1.13E-06	1.02E-06	4.67E-07	7.30E-07	0.00E+00	0.00E+00	1.93E-07	3.83E-08	2.43E-07	3.75E-08	5.66E-08	5.68E-07
6014	481866.8	3852360	1.67E-03	1.80E-03	2.82E-03	5.79E-07	1.75E-06	1.01E-06	1.09E-06	9.88E-07	4.51E-07	7.06E-07	0.00E+00	0.00E+00	1.86E-07	3.70E-08	2.35E-07	3.62E-08	5.47E-08	5.49E-07
6015	481800.3	3852292	1.62E-03	1.74E-03	2.72E-03	5.59E-07	1.69E-06	9.77E-07	1.05E-06	9.54E-07	4.35E-07	6.82E-07	0.00E+00	0.00E+00	1.80E-07	3.57E-08	2.27E-07	3.50E-08	5.28E-08	5.30E-07
6016	481733.8	3852225	1.56E-03	1.68E-03	2.63E-03	5.41E-07	1.63E-06	9.45E-07	1.02E-06	9.23E-07	4.21E-07	6.59E-07	0.00E+00	0.00E+00	1.74E-07	3.46E-08	2.19E-07	3.38E-08	5.11E-08	5.12E-07
6017	481667.4	3852157	1.51E-03	1.63E-03	2.55E-03	5.22E-07	1.58E-06	9.13E-07	9.84E-07	8.92E-07	4.07E-07	6.38E-07	0.00E+00	0.00E+00	1.68E-07	3.34E-08	2.12E-07	3.27E-08	4.94E-08	4.95E-07
6018	481600.9	3852089	1.46E-03	1.58E-03	2.47E-03	5.06E-07	1.53E-06	8.85E-07	9.54E-07	8.64E-07	3.94E-07	6.18E-07	0.00E+00	0.00E+00	1.63E-07	3.24E-08	2.05E-07	3.17E-08	4.79E-08	4.80E-07
6019	481534.4	3852022	1.42E-03	1.53E-03	2.40E-03	4.92E-07	1.48E-06	8.59E-07	9.26E-07	8.39E-07	3.83E-07	6.00E-07	0.00E+00	0.00E+00	1.58E-07	3.14E-08	1.99E-07	3.07E-08	4.65E-08	4.66E-07
6020	481467.9	3851954	1.38E-03	1.49E-03	2.33E-03	4.77E-07	1.44E-06	8.34E-07	8.99E-07	8.15E-07	3.72E-07	5.82E-07	0.00E+00	0.00E+00	1.53E-07	3.05E-08	1.94E-07	2.98E-08	4.51E-08	4.52E-07
6021	481401.5	3851887	1.34E-03	1.44E-03	2.26E-03	4.63E-07	1.40E-06	8.09E-07	8.72E-07	7.91E-07	3.61E-07	5.65E-07	0.00E+00	0.00E+00	1.49E-07	2.96E-08	1.88E-07	2.90E-08	4.38E-08	4.39E-07
6022	481265.9	3851761	1.27E-03	1.37E-03	2.15E-03	4.40E-07	1.33E-06	7.70E-07	8.29E-07	7.52E-07	3.43E-07	5.38E-07	0.00E+00	0.00E+00	1.42E-07	2.81E-08	1.79E-07	2.75E-08	4.16E-08	4.18E-07
6023	481196.7	3851704	1.24E-03	1.34E-03	2.10E-03	4.31E-07	1.30E-06	7.53E-07	8.11E-07	7.35E-07	3.36E-07	5.26E-07	0.00E+00	0.00E+00	1.38E-07	2.75E-08	1.75E-07	2.69E-08	4.07E-08	4.08E-07
6024	481076.3	3851619	1.21E-03	1.30E-03	2.04E-03	4.18E-07	1.26E-06	7.31E-07	7.88E-07	7.14E-07	3.26E-07	5.11E-07	0.00E+00	0.00E+00	1.35E-07	2.67E-08	1.70E-07	2.62E-08	3.96E-08	3.97E-07
6025	480939.8	3851549	1.18E-03	1.27E-03	2.00E-03	4.09E-07	1.24E-06	7.16E-07	7.71E-07	6.99E-07	3.19E-07	5.01E-07	0.00E+00	0.00E+00	1.32E-07	2.62E-08	1.66E-07	2.56E-08	3.88E-08	3.88E-07
6026	480854.6	3851506	1.17E-03	1.26E-03	1.98E-03	4.04E-07	1.22E-06	7.06E-07	7.61E-07	6.90E-07	3.15E-07	4.95E-07	0.00E+00	0.00E+00	1.30E-07	2.58E-08	1.64E-07	2.53E-08	3.83E-08	3.83E-07
6027	480769.3	3851464	1.15E-03	1.24E-03	1.96E-03	4.00E-07	1.21E-06	6.99E-07	7.53E-07	6.83E-07	3.11E-07	4.90E-07	0.00E+00	0.00E+00	1.29E-07	2.56E-08	1.62E-07	2.50E-08	3.79E-08	3.79E-07
6028	480684.1	3851421	1.14E-03	1.23E-03	1.93E-03	3.94E-07	1.19E-06	6.89E-07	7.43E-07	6.74E-07	3.07E-07	4.84E-07	0.00E+00	0.00E+00	1.27E-07	2.52E-08	1.60E-07	2.47E-08	3.75E-08	3.74E-07
6029	480598.8	3851378	1.13E-03	1.21E-03	1.91E-03	3.89E-07	1.18E-06	6.81E-07	7.34E-07	6.65E-07	3.04E-07	4.78E-07	0.00E+00	0.00E+00	1.25E-07	2.49E-08	1.58E-07	2.44E-08	3.70E-08	3.70E-07
6030	480435.7	3851275	1.09E-03	1.17E-03	1.85E-03	3.76E-07	1.13E-06	6.57E-07	7.08E-07	6.42E-07	2.93E-07	4.62E-07	0.00E+00	0.00E+00	1.21E-07	2.40E-08	1.53E-07	2.35E-08	3.58E-08	3.57E-07
6031	480347.9	3851232	1.07E-03	1.15E-03	1.82E-03	3.70E-07	1.12E-06	6.46E-07	6.97E-07	6.32E-07	2.88E-07	4.55E-07	0.00E+00	0.00E+00	1.19E-07	2.37E-08	1.50E-07	2.32E-08	3.52E-08	3.51E-07
6032	480260	3851190	1.05E-03	1.13E-03	1.79E-03	3.63E-07	1.10E-06	6.35E-07	6.85E-07	6.21E-07	2.83E-07	4.48E-07	0.00E+00	0.00E+00	1.17E-07	2.33E-08	1.48E-07	2.28E-08	3.47E-08	3.45E-07
6033	480172.2	3851147	1.03E-03	1.11E-03	1.76E-03	3.57E-07	1.08E-06	6.23E-07	6.72E-07	6.09E-07	2.78E-07	4.39E-07	0.00E+00	0.00E+00	1.15E-07	2.28E-08	1.45E-07	2.23E-08	3.40E-08	3.39E-07
6034	480084.3	3851104	1.01E-03	1.09E-03	1.72E-03	3.49E-07	1.05E-06	6.10E-07	6.58E-07	5.97E-07	2.72E-07	4.30E-07	0.00E+00	0.00E+00	1.12E-07	2.23E-08	1.42E-07	2.19E-08	3.33E-08	3.32E-07
6035	479996.4	3851062	9.85E-04	1.06E-03	1.68E-03	3.41E-07	1.03E-06	5.96E-07	6.43E-07	5.83E-07	2.66E-07	4.20E-07	0.00E+00	0.00E+00	1.10E-07	2.18E-08	1.38E-07	2.14E-08	3.26E-08	3.24E-07

6036	479908.6	3851019	9.55E-04	1.03E-03	1.63E-03	3.31E-07	9.99E-07	5.78E-07	6.24E-07	5.65E-07	2.58E-07	4.08E-07	0.00E+00	0.00E+00	1.06E-07	2.12E-08	1.34E-07	2.07E-08	3.16E-08	3.14E-07
6037	479820.7	3850976	9.29E-04	1.00E-03	1.58E-03	3.21E-07	9.71E-07	5.62E-07	6.06E-07	5.49E-07	2.51E-07	3.97E-07	0.00E+00	0.00E+00	1.03E-07	2.06E-08	1.31E-07	2.01E-08	3.07E-08	3.05E-07
6038	479732.9	3850934	9.00E-04	9.71E-04	1.54E-03	3.12E-07	9.41E-07	5.45E-07	5.88E-07	5.33E-07	2.43E-07	3.84E-07	0.00E+00	0.00E+00	1.00E-07	2.00E-08	1.27E-07	1.95E-08	2.98E-08	2.96E-07
6039	479645	3850891	8.73E-04	9.41E-04	1.49E-03	3.02E-07	9.12E-07	5.28E-07	5.70E-07	5.16E-07	2.36E-07	3.72E-07	0.00E+00	0.00E+00	9.71E-08	1.93E-08	1.23E-07	1.89E-08	2.88E-08	2.87E-07
6040	479557.2	3850849	8.45E-04	9.12E-04	1.44E-03	2.93E-07	8.84E-07	5.12E-07	5.52E-07	5.00E-07	2.28E-07	3.61E-07	0.00E+00	0.00E+00	9.41E-08	1.87E-08	1.19E-07	1.83E-08	2.79E-08	2.78E-07
6041	479469.3	3850806	8.14E-04	8.78E-04	1.39E-03	2.82E-07	8.51E-07	4.92E-07	5.31E-07	4.81E-07	2.20E-07	3.47E-07	0.00E+00	0.00E+00	9.06E-08	1.80E-08	1.14E-07	1.76E-08	2.69E-08	2.68E-07
6042	479381.5	3850763	7.88E-04	8.50E-04	1.34E-03	2.73E-07	8.24E-07	4.77E-07	5.14E-07	4.66E-07	2.13E-07	3.36E-07	0.00E+00	0.00E+00	8.77E-08	1.75E-08	1.11E-07	1.71E-08	2.60E-08	2.59E-07
6043	479293.6	3850721	7.65E-04	8.25E-04	1.30E-03	2.65E-07	7.99E-07	4.63E-07	4.99E-07	4.52E-07	2.06E-07	3.25E-07	0.00E+00	0.00E+00	8.51E-08	1.69E-08	1.07E-07	1.66E-08	2.52E-08	2.51E-07
6044	479205.8	3850678	7.40E-04	7.98E-04	1.26E-03	2.56E-07	7.74E-07	4.48E-07	4.83E-07	4.38E-07	2.00E-07	3.14E-07	0.00E+00	0.00E+00	8.24E-08	1.64E-08	1.04E-07	1.60E-08	2.43E-08	2.43E-07
6045	479117.9	3850635	7.17E-04	7.73E-04	1.22E-03	2.48E-07	7.50E-07	4.34E-07	4.68E-07	4.24E-07	1.94E-07	3.04E-07	0.00E+00	0.00E+00	7.99E-08	1.59E-08	1.01E-07	1.55E-08	2.36E-08	2.36E-07
6046	479030.1	3850593	6.94E-04	7.48E-04	1.17E-03	2.40E-07	7.25E-07	4.20E-07	4.53E-07	4.10E-07	1.87E-07	2.94E-07	0.00E+00	0.00E+00	7.73E-08	1.54E-08	9.75E-08	1.50E-08	2.28E-08	2.28E-07
6047	478942.2	3850550	6.65E-04	7.17E-04	1.13E-03	2.30E-07	6.96E-07	4.03E-07	4.34E-07	3.93E-07	1.79E-07	2.82E-07	0.00E+00	0.00E+00	7.41E-08	1.47E-08	9.35E-08	1.44E-08	2.18E-08	2.18E-07
6048	478854.3	3850507	6.26E-04	6.75E-04	1.06E-03	2.17E-07	6.55E-07	3.79E-07	4.09E-07	3.70E-07	1.69E-07	2.66E-07	0.00E+00	0.00E+00	6.97E-08	1.39E-08	8.80E-08	1.36E-08	2.06E-08	2.06E-07
6049	478766.5	3850465	5.98E-04	6.44E-04	1.01E-03	2.07E-07	6.25E-07	3.62E-07	3.90E-07	3.53E-07	1.61E-07	2.53E-07	0.00E+00	0.00E+00	6.65E-08	1.32E-08	8.40E-08	1.29E-08	1.96E-08	1.96E-07
6050	478678.6	3850422	5.73E-04	6.17E-04	9.70E-04	1.98E-07	5.99E-07	3.47E-07	3.74E-07	3.39E-07	1.55E-07	2.43E-07	0.00E+00	0.00E+00	6.38E-08	1.27E-08	8.05E-08	1.24E-08	1.88E-08	1.88E-07
6051	478590.8	3850379	5.49E-04	5.91E-04	9.29E-04	1.90E-07	5.74E-07	3.32E-07	3.58E-07	3.24E-07	1.48E-07	2.33E-07	0.00E+00	0.00E+00	6.11E-08	1.21E-08	7.71E-08	1.19E-08	1.80E-08	1.80E-07
6052	478502.9	3850337	5.29E-04	5.70E-04	8.96E-04	1.83E-07	5.53E-07	3.20E-07	3.45E-07	3.13E-07	1.43E-07	2.24E-07	0.00E+00	0.00E+00	5.89E-08	1.17E-08	7.43E-08	1.15E-08	1.74E-08	1.74E-07
6053	478415.1	3850294	5.12E-04	5.52E-04	8.67E-04	1.77E-07	5.35E-07	3.10E-07	3.34E-07	3.03E-07	1.38E-07	2.17E-07	0.00E+00	0.00E+00	5.70E-08	1.13E-08	7.19E-08	1.11E-08	1.68E-08	1.68E-07
6054	478327.2	3850251	4.93E-04	5.31E-04	8.35E-04	1.71E-07	5.15E-07	2.98E-07	3.22E-07	2.91E-07	1.33E-07	2.09E-07	0.00E+00	0.00E+00	5.49E-08	1.09E-08	6.92E-08	1.07E-08	1.62E-08	1.62E-07
6055	478239.4	3850209	4.77E-04	5.14E-04	8.08E-04	1.65E-07	4.98E-07	2.89E-07	3.11E-07	2.82E-07	1.29E-07	2.02E-07	0.00E+00	0.00E+00	5.31E-08	1.06E-08	6.70E-08	1.03E-08	1.57E-08	1.57E-07
6056	478151.5	3850166	4.64E-04	5.00E-04	7.85E-04	1.60E-07	4.84E-07	2.80E-07	3.02E-07	2.74E-07	1.25E-07	1.96E-07	0.00E+00	0.00E+00	5.16E-08	1.03E-08	6.51E-08	1.00E-08	1.52E-08	1.52E-07
6057	478063.7	3850124	4.51E-04	4.86E-04	7.64E-04	1.56E-07	4.72E-07	2.73E-07	2.94E-07	2.67E-07	1.22E-07	1.91E-07	0.00E+00	0.00E+00	5.02E-08	9.99E-09	6.34E-08	9.78E-09	1.48E-08	1.48E-07
6058	477975.8	3850081	4.54E-04	4.89E-04	7.67E-04	1.57E-07	4.74E-07	2.75E-07	2.96E-07	2.68E-07	1.22E-07	1.92E-07	0.00E+00	0.00E+00	5.05E-08	1.00E-08	6.37E-08	9.83E-09	1.49E-08	1.49E-07
6059	477888	3850038	4.48E-04	4.83E-04	7.57E-04	1.55E-07	4.68E-07	2.71E-07	2.92E-07	2.65E-07	1.21E-07	1.89E-07	0.00E+00	0.00E+00	4.99E-08	9.91E-09	6.29E-08	9.70E-09	1.47E-08	1.47E-07
6060	477800.1	3849996	4.44E-04	4.79E-04	7.50E-04	1.54E-07	4.64E-07	2.69E-07	2.90E-07	2.62E-07	1.20E-07	1.88E-07	0.00E+00	0.00E+00	4.94E-08	9.83E-09	6.24E-08	9.62E-09	1.45E-08	1.46E-07
6061	477712.2	3849953	4.37E-04	4.71E-04	7.38E-04	1.51E-07	4.57E-07	2.65E-07	2.85E-07	2.58E-07	1.18E-07	1.85E-07	0.00E+00	0.00E+00	4.87E-08	9.68E-09	6.14E-08	9.47E-09	1.43E-08	1.44E-07
6062	477624.4	3849910	4.31E-04	4.65E-04	7.28E-04	1.49E-07	4.51E-07	2.61E-07	2.81E-07	2.55E-07	1.16E-07	1.82E-07	0.00E+00	0.00E+00	4.80E-08	9.55E-09	6.06E-08	9.34E-09	1.41E-08	1.42E-07
6063	477536.5	3849868	4.27E-04	4.60E-04	7.20E-04	1.48E-07	4.46E-07	2.58E-07	2.78E-07	2.52E-07	1.15E-07	1.80E-07	0.00E+00	0.00E+00	4.75E-08	9.44E-09	5.99E-08	9.24E-09	1.40E-08	1.40E-07
6064	477448.7	3849825	4.21E-04	4.53E-04	7.10E-04	1.46E-07	4.40E-07	2.55E-07	2.74E-07	2.49E-07	1.13E-07	1.78E-07	0.00E+00	0.00E+00	4.68E-08	9.31E-09	5.91E-08	9.11E-09	1.38E-08	1.38E-07
6065	477360.8	3849782	4.16E-04	4.48E-04	7.01E-04	1.44E-07	4.34E-07	2.51E-07	2.71E-07	2.46E-07	1.12E-07	1.76E-07	0.00E+00	0.00E+00	4.63E-08	9.19E-09	5.83E-08	9.00E-09	1.36E-08	1.36E-07
6066	477273	3849740	4.10E-04	4.42E-04	6.93E-04	1.42E-07	4.29E-07	2.48E-07	2.68E-07	2.43E-07	1.11E-07	1.73E-07	0.00E+00	0.00E+00	4.57E-08	9.08E-09	5.76E-08	8.89E-09	1.34E-08	1.35E-07
6067	477185.1	3849697	4.07E-04	4.38E-04	6.86E-04	1.41E-07	4.25E-07	2.46E-07	2.65E-07	2.40E-07	1.10E-07	1.72E-07	0.00E+00	0.00E+00	4.53E-08	9.00E-09	5.71E-08	8.80E-09	1.33E-08	1.33E-07
6068	477097.3	3849654	4.02E-04	4.33E-04	6.79E-04	1.39E-07	4.20E-07	2.43E-07	2.62E-07	2.37E-07	1.08E-07	1.70E-07	0.00E+00	0.00E+00	4.47E-08	8.89E-09	5.64E-08	8.70E-09	1.31E-08	1.32E-07
6069	477009.4	3849612	3.94E-04	4.24E-04	6.66E-04	1.36E-07	4.12E-07	2.38E-07	2.57E-07	2.33E-07	1.06E-07	1.67E-07	0.00E+00	0.00E+00	4.38E-08	8.72E-09	5.53E-08	8.53E-09	1.29E-08	1.29E-07
6070	476841.5	3849530	3.86E-04	4.16E-04	6.53E-04	1.34E-07	4.03E-07	2.33E-07	2.52E-07	2.28E-07	1.04E-07	1.63E-07	0.00E+00	0.00E+00	4.29E-08	8.54E-09	5.42E-08	8.36E-09	1.27E-08	1.27E-07
6071	476761.4	3849491	3.83E-04	4.13E-04	6.49E-04	1.33E-07	4.01E-07	2.32E-07	2.50E-07	2.27E-07	1.03E-07	1.62E-07	0.00E+00	0.00E+00	4.27E-08	8.48E-09	5.38E-08	8.30E-09	1.26E-08	1.26E-07
6072	476681.3	3849452	3.79E-04	4.09E-04	6.43E-04	1.31E-07	3.97E-07	2.30E-07	2.47E-07	2.24E-07	1.02E-07	1.61E-07	0.00E+00	0.00E+00	4.22E-08	8.40E-09	5.33E-08	8.22E-09	1.25E-08	1.25E-07
6073	476601.3	3849413	3.75E-04	4.04E-04	6.35E-04	1.30E-07	3.92E-07	2.27E-07	2.44E-07	2.21E-07	1.01E-07	1.59E-07	0.00E+00	0.00E+00	4.17E-08	8.29E-09	5.26E-08	8.11E-09	1.23E-08	1.23E-07
6074	476456.3	3849354	3.65E-04	3.94E-04	6.20E-04	1.27E-07	3.82E-07	2.21E-07	2.38E-07	2.16E-07	9.86E-08	1.55E-07	0.00E+00	0.00E+00	4.07E-08	8.09E-09	5.13E-08	7.92E-09	1.20E-08	1.20E-07
6075	476305.4	3849319	3.69E-04	3.98E-04	6.25E-04	1.28E-07	3.85E-07	2.23E-07	2.41E-07	2.18E-07	9.95E-08	1.57E-07	0.00E+00	0.00E+00	4.10E-08	8.16E-09	5.18E-08	7.99E-09	1.21E-08	1.21E-07
6076	476129.4	3849290	3.70E-04	3.99E-04	6.28E-04	1.28E-07	3.87E-07	2.24E-07	2.42E-07	2.19E-07	9.99E-08	1.57E-07	0.00E+00	0.00E+00	4.12E-08	8.20E-09	5.20E-08	8.02E-09	1.22E-08	1.22E-07
6077	476039.3	3849276	3.71E-04	4.00E-04	6.30E-04	1.28E-07	3.88E-07	2.25E-07	2.42E-07	2.19E-07	1.00E-07	1.58E-07	0.00E+00	0.00E+00	4.13E-08	8.22E-09	5.21E-08	8.04E-09	1.22E-08	1.22E-07
6078	475949.3	3849261	3.67E-04	3.96E-04	6.23E-04	1.27E-07	3.84E-07	2.22E-07	2.39E-07	2.17E-07	9.91E-08	1.56E-07	0.00E+00	0.00E+00	4.09E-08	8.13E-09	5.16E-08	7.95E-09	1.21E-08	1.21E-07
6079	475859.2	3849247	3.67E-04	3.95E-04	6.22E-04	1.27E-07	3.83E-07	2.22E-07	2.39E-07	2.17E-07	9.89E-08	1.56E-07	0.00E+00	0.00E+00	4.08E-08	8.12E-09	5.15E-08	7.94E-09	1.21E-08	1.20E-07
6080	475769.2	3849233	3.65E-04	3.93E-04	6.20E-04	1.26E-07	3.81E-07	2.21E-07	2.38E-07	2.16E-07	9.84E-08	1.55E-07	0.00E+00	0.00E+00	4.06E-08	8.08E-09	5.13E-08	7.91E-09	1.20E-08	1.20E-07
6081	475585.2	3849219	3.21E-04	3.46E-04	5.46E-04	1.11E-07	3.35E-07	1.94E-07	2.09E-07	1.90E-07	8.66E-08	1.37E-07	0.00E+00	0.00E+00	3.57E-08	7.10E-09	4.51E-08	6.95E-09	1.06E-08	1.05E-07
6082	475444.5	3849150	3.43E-04	3.70E-04	5.84E-04	1.19E-07	3.59E-07	2.08E-07	2.24E-07	2.03E-07	9.26E-08	1.46E-07	0.00E+00	0.00E+00	3.82E-08	7.60E-09	4.82E-08	7.44E-09	1.13E-08	1.13E-07
6083	475334.2	3849119	3.47E-04	3.74E-04	5.90E-04	1.20E-07	3.62E-07	2.10E-07	2.26E-07	2.05E-07	9.36E-08	1.48E-07	0.00E+00	0.00E+00	3.86E-08	7.68E-09	4.87E-08	7.52E-09	1.14E-08	1.14E-07
6084	475230.5	3849061	3.43E-04	3.69E-04	5.83E-04	1.19E-07	3.58E-07	2.07E-07	2.24E-07	2.03E-07	9.25E-08	1.46E-07	0.00E+00	0.00E+00	3.81E-08	7.59E-09	4.81E-08	7.42E-09	1.13E-08	1.13E-07
6085	475110.9	3848961	3.34E-04	3.60E-04	5.67E-04	1.15E-07	3.49E-07	2.02E-07	2.18E-07	1.97E-07	9.00E-08	1.42E-07	0.00E+00	0.00E+00	3.71E-08	7.39E-09	4.69E-08	7.23E-09	1.10E-08	1.10E-07
6086	475037.8	3848896	3.25E-04	3.51E-04	5.54E-04	1.13E-07	3.40E-07	1.97E-07	2.12E-07	1.92E-07	8.78E-08	1.39E-07	0.00E+00	0.00E+00	3.62E-08	7.21E-09	4.57E-08	7.05E-09	1.07E-08	1.07E-07
6087	474964.7	3848832	3.18E-04	3.43E-04	5.41E-04	1.10E-07	3.32E-07	1.92E-07	2.07E-07	1.88E-07	8.58E-08	1.35E-07	0.00E+00	0.00E+00	3.54E-08	7.04E-09	4.47E-08	6.89E-09	1.05E-08	1.04E-07
6088	474891.7	3848767	3.13E-04	3.37E-04	5.32E-04	1.08E-07	3.27E-07	1.89E-07	2.04E-07	1.85E-07	8.44E-08	1.33E-07	0.00E+00	0.00E+00	3.48E-08	6.93E-09	4.40E-08	6.78E-09	1.03E-08	1.03E-07
6089	474818.6	3848702	3.09E-04	3.33E-04	5.26E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.34E-08	1.32E-07	0.00E+00	0.00E+00	3.44E-08	6.85E-09	4.34E-08	6.70E-09	1.02E-08	1.02E-07
6090	474745.5	3848638	3.11E-04	3.36E-04	5.29E-04	1.08E-07	3.25E-07	1.88E-07	2.03E-07	1.84E-07	8.40E-08	1.32E-07	0.00E+00	0.00E+00	3.46E-08	6.89E-09	4.37E-08	6.74E-09	1.03E-08	1.02E-07
6091	474672.4	3848573	3.09E-04	3.33E-04	5.26E-04	1.07E-07	3.23E-07	1.87E-07	2.02E-07	1.83E-07	8.34E-08	1.32E-07	0.00E+00	0.00E+00	3.44E-08	6.85E-09	4.35E-08	6.70E-09	1.02E-08	1.02E-07
6092	474599.4	3848508	3.03E-04	3.26E-04	5.15E-04	1.05E-07	3.16E-07	1.83E-07	1.98E-07	1.79E-07	8.17E-08	1.29E-07	0.00E+00	0.00E+00	3.37E-08	6.70E-09	4.25E-08	6.56E-09	9.97E-09	9.95E-08

6093	474526.3	3848443	2.98E-04	3.22E-04	5.07E-04	1.03E-07	3.12E-07	1.81E-07	1.95E-07	1.77E-07	8.06E-08	1.27E-07	0.00E+00	0.00E+00	3.32E-08	6.61E-09	4.19E-08	6.47E-09	9.83E-09	9.81E-08

Block Swap Yard - Student Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentra	Dose	Risk	Concentra	Dose	Risk	Concentra	Dose	Risk
1	485973.61, 3854936.51	1.17E-02	3.69E-06	1.07E-06	1.26E-02	3.98E-06	1.16E-06	1.98E-02	6.26E-06	1.82E-06
2	486023.61, 3854936.51	1.14E-02	3.59E-06	1.04E-06	1.23E-02	3.87E-06	1.12E-06	1.93E-02	6.08E-06	1.77E-06
3	486073.61, 3854936.51	1.11E-02	3.51E-06	1.02E-06	1.20E-02	3.78E-06	1.10E-06	1.89E-02	5.96E-06	1.73E-06
4	486123.61, 3854936.51	1.07E-02	3.37E-06	9.81E-07	1.15E-02	3.63E-06	1.06E-06	1.81E-02	5.72E-06	1.66E-06
5	486173.61, 3854936.51	1.06E-02	3.34E-06	9.71E-07	1.14E-02	3.60E-06	1.05E-06	1.80E-02	5.67E-06	1.65E-06
6	486223.61, 3854936.51	1.03E-02	3.25E-06	9.45E-07	1.11E-02	3.50E-06	1.02E-06	1.75E-02	5.51E-06	1.60E-06
7	486273.61, 3854936.51	1.01E-02	3.18E-06	9.24E-07	1.09E-02	3.43E-06	9.97E-07	1.71E-02	5.40E-06	1.57E-06
8	486323.61, 3854936.51	9.88E-03	3.12E-06	9.07E-07	1.06E-02	3.36E-06	9.78E-07	1.68E-02	5.30E-06	1.54E-06
9	485973.61, 3854986.51	1.25E-02	3.94E-06	1.15E-06	1.35E-02	4.25E-06	1.24E-06	2.12E-02	6.68E-06	1.94E-06
10	486023.61, 3854986.51	1.22E-02	3.84E-06	1.12E-06	1.31E-02	4.14E-06	1.20E-06	2.06E-02	6.51E-06	1.89E-06
11	486073.61, 3854986.51	1.18E-02	3.72E-06	1.08E-06	1.27E-02	4.01E-06	1.17E-06	2.00E-02	6.31E-06	1.84E-06
12	486123.61, 3854986.51	1.15E-02	3.61E-06	1.05E-06	1.23E-02	3.90E-06	1.13E-06	1.94E-02	6.13E-06	1.78E-06
13	486173.61, 3854986.51	1.12E-02	3.55E-06	1.03E-06	1.21E-02	3.83E-06	1.11E-06	1.91E-02	6.02E-06	1.75E-06
14	486223.61, 3854986.51	1.09E-02	3.45E-06	1.00E-06	1.18E-02	3.71E-06	1.08E-06	1.85E-02	5.85E-06	1.70E-06
15	486273.61, 3854986.51	1.06E-02	3.34E-06	9.71E-07	1.14E-02	3.60E-06	1.05E-06	1.80E-02	5.67E-06	1.65E-06
16	486323.61, 3854986.51	1.05E-02	3.32E-06	9.65E-07	1.13E-02	3.58E-06	1.04E-06	1.78E-02	5.63E-06	1.64E-06
17	485973.61, 3855036.51	1.33E-02	4.21E-06	1.23E-06	1.44E-02	4.54E-06	1.32E-06	2.26E-02	7.13E-06	2.07E-06
18	486023.61, 3855036.51	1.30E-02	4.09E-06	1.19E-06	1.40E-02	4.41E-06	1.28E-06	2.19E-02	6.92E-06	2.01E-06
19	486073.61, 3855036.51	1.25E-02	3.94E-06	1.15E-06	1.35E-02	4.25E-06	1.24E-06	2.12E-02	6.68E-06	1.94E-06
20	486123.61, 3855036.51	1.21E-02	3.83E-06	1.11E-06	1.31E-02	4.13E-06	1.20E-06	2.06E-02	6.49E-06	1.89E-06
21	486173.61, 3855036.51	1.19E-02	3.76E-06	1.09E-06	1.28E-02	4.05E-06	1.18E-06	2.02E-02	6.38E-06	1.85E-06
22	486223.61, 3855036.51	1.15E-02	3.63E-06	1.06E-06	1.24E-02	3.91E-06	1.14E-06	1.95E-02	6.16E-06	1.79E-06
23	486273.61, 3855036.51	1.13E-02	3.58E-06	1.04E-06	1.22E-02	3.86E-06	1.12E-06	1.92E-02	6.07E-06	1.77E-06
24	486323.61, 3855036.51	1.10E-02	3.49E-06	1.01E-06	1.19E-02	3.76E-06	1.09E-06	1.87E-02	5.92E-06	1.72E-06
25	485973.61, 3855086.51	1.42E-02	4.48E-06	1.30E-06	1.53E-02	4.83E-06	1.40E-06	2.40E-02	7.58E-06	2.20E-06
26	486023.61, 3855086.51	1.38E-02	4.37E-06	1.27E-06	1.49E-02	4.70E-06	1.37E-06	2.34E-02	7.39E-06	2.15E-06
27	486073.61, 3855086.51	1.33E-02	4.20E-06	1.22E-06	1.43E-02	4.53E-06	1.32E-06	2.25E-02	7.11E-06	2.07E-06
28	486123.61, 3855086.51	1.30E-02	4.10E-06	1.19E-06	1.40E-02	4.42E-06	1.28E-06	2.20E-02	6.94E-06	2.02E-06
29	486173.61, 3855086.51	1.25E-02	3.96E-06	1.15E-06	1.35E-02	4.27E-06	1.24E-06	2.13E-02	6.71E-06	1.95E-06
30	486223.61, 3855086.51	1.23E-02	3.87E-06	1.12E-06	1.32E-02	4.17E-06	1.21E-06	2.08E-02	6.55E-06	1.91E-06
31	485973.61, 3855136.51	1.52E-02	4.79E-06	1.39E-06	1.64E-02	5.17E-06	1.50E-06	2.57E-02	8.11E-06	2.36E-06
32	486023.61, 3855136.51	1.47E-02	4.64E-06	1.35E-06	1.58E-02	5.00E-06	1.45E-06	2.49E-02	7.85E-06	2.28E-06
33	486073.61, 3855136.51	1.42E-02	4.49E-06	1.31E-06	1.53E-02	4.84E-06	1.41E-06	2.41E-02	7.59E-06	2.21E-06
34	486123.61, 3855136.51	1.38E-02	4.35E-06	1.27E-06	1.49E-02	4.69E-06	1.37E-06	2.34E-02	7.37E-06	2.14E-06
35	486173.61, 3855136.51	1.34E-02	4.22E-06	1.23E-06	1.44E-02	4.54E-06	1.32E-06	2.26E-02	7.14E-06	2.08E-06
36	486223.61, 3855136.51	1.30E-02	4.10E-06	1.19E-06	1.40E-02	4.42E-06	1.28E-06	2.20E-02	6.94E-06	2.02E-06
37	485973.61, 3855186.51	1.62E-02	5.12E-06	1.49E-06	1.75E-02	5.52E-06	1.61E-06	2.75E-02	8.67E-06	2.52E-06
38	486023.61, 3855186.51	1.57E-02	4.96E-06	1.44E-06	1.69E-02	5.35E-06	1.56E-06	2.66E-02	8.39E-06	2.44E-06
39	486073.61, 3855186.51	1.51E-02	4.77E-06	1.39E-06	1.63E-02	5.14E-06	1.49E-06	2.56E-02	8.07E-06	2.35E-06
40	486123.61, 3855186.51	1.45E-02	4.59E-06	1.33E-06	1.57E-02	4.94E-06	1.44E-06	2.46E-02	7.77E-06	2.26E-06
41	486173.61, 3855186.51	1.41E-02	4.45E-06	1.29E-06	1.52E-02	4.80E-06	1.40E-06	2.39E-02	7.54E-06	2.19E-06
42	486223.61, 3855186.51	1.37E-02	4.32E-06	1.26E-06	1.48E-02	4.66E-06	1.35E-06	2.32E-02	7.32E-06	2.13E-06
43	486273.61, 3855186.51	1.33E-02	4.19E-06	1.22E-06	1.43E-02	4.51E-06	1.31E-06	2.25E-02	7.09E-06	2.06E-06
44	486323.61, 3855186.51	1.32E-02	4.17E-06	1.21E-06	1.42E-02	4.49E-06	1.31E-06	2.24E-02	7.07E-06	2.06E-06
45	485973.61, 3855236.51	1.73E-02	5.46E-06	1.59E-06	1.86E-02	5.88E-06	1.71E-06	2.92E-02	9.23E-06	2.68E-06
46	486023.61, 3855236.51	1.66E-02	5.24E-06	1.52E-06	1.79E-02	5.65E-06	1.64E-06	2.81E-02	8.86E-06	2.58E-06
47	486073.61, 3855236.51	1.59E-02	5.02E-06	1.46E-06	1.72E-02	5.41E-06	1.57E-06	2.69E-02	8.50E-06	2.47E-06
48	486123.61, 3855236.51	1.54E-02	4.86E-06	1.41E-06	1.66E-02	5.24E-06	1.52E-06	2.61E-02	8.22E-06	2.39E-06
49	486173.61, 3855236.51	1.49E-02	4.71E-06	1.37E-06	1.61E-02	5.07E-06	1.48E-06	2.53E-02	7.97E-06	2.32E-06
50	486223.61, 3855236.51	1.44E-02	4.55E-06	1.32E-06	1.56E-02	4.91E-06	1.43E-06	2.44E-02	7.71E-06	2.24E-06
51	486273.61, 3855236.51	1.38E-02	4.36E-06	1.27E-06	1.49E-02	4.70E-06	1.37E-06	2.34E-02	7.38E-06	2.15E-06
52	486323.61, 3855236.51	1.39E-02	4.39E-06	1.28E-06	1.50E-02	4.73E-06	1.38E-06	2.36E-02	7.44E-06	2.16E-06
53	485973.61, 3855286.51	1.83E-02	5.79E-06	1.68E-06	1.98E-02	6.24E-06	1.81E-06	3.10E-02	9.79E-06	2.85E-06
54	486023.61, 3855286.51	1.76E-02	5.54E-06	1.61E-06	1.89E-02	5.97E-06	1.74E-06	2.97E-02	9.37E-06	2.73E-06
55	486073.61, 3855286.51	1.69E-02	5.33E-06	1.55E-06	1.82E-02	5.74E-06	1.67E-06	2.86E-02	9.02E-06	2.62E-06
56	486123.61, 3855286.51	1.62E-02	5.12E-06	1.49E-06	1.75E-02	5.52E-06	1.61E-06	2.75E-02	8.67E-06	2.52E-06
57	486173.61, 3855286.51	1.56E-02	4.94E-06	1.44E-06	1.69E-02	5.32E-06	1.55E-06	2.65E-02	8.36E-06	2.43E-06

58	486223.61, 3855286.51	1.52E-02	4.80E-06	1.40E-06	1.64E-02	5.17E-06	1.50E-06	2.57E-02	8.12E-06	2.36E-06
59	486123.61, 3855336.51	1.71E-02	5.39E-06	1.57E-06	1.84E-02	5.81E-06	1.69E-06	2.89E-02	9.12E-06	2.65E-06
60	486173.61, 3855336.51	1.65E-02	5.22E-06	1.52E-06	1.78E-02	5.62E-06	1.64E-06	2.80E-02	8.83E-06	2.57E-06
61	486223.61, 3855336.51	1.60E-02	5.04E-06	1.47E-06	1.72E-02	5.43E-06	1.58E-06	2.71E-02	8.54E-06	2.48E-06
62	486123.61, 3855386.51	1.80E-02	5.68E-06	1.65E-06	1.94E-02	6.12E-06	1.78E-06	3.05E-02	9.62E-06	2.80E-06
63	486173.61, 3855386.51	1.74E-02	5.49E-06	1.60E-06	1.87E-02	5.92E-06	1.72E-06	2.95E-02	9.30E-06	2.71E-06
64	486223.61, 3855386.51	1.69E-02	5.32E-06	1.55E-06	1.82E-02	5.74E-06	1.67E-06	2.86E-02	9.02E-06	2.62E-06
65	486533.18, 3855443.15	1.52E-02	4.78E-06	1.39E-06	1.63E-02	5.16E-06	1.50E-06	2.58E-02	8.13E-06	2.36E-06
66	486583.18, 3855443.15	1.47E-02	4.66E-06	1.35E-06	1.59E-02	5.02E-06	1.46E-06	2.51E-02	7.91E-06	2.30E-06
67	486633.18, 3855443.15	1.44E-02	4.53E-06	1.32E-06	1.55E-02	4.89E-06	1.42E-06	2.44E-02	7.71E-06	2.24E-06
68	486683.18, 3855443.15	1.41E-02	4.45E-06	1.29E-06	1.52E-02	4.79E-06	1.39E-06	2.40E-02	7.56E-06	2.20E-06
69	486533.18, 3855493.15	1.58E-02	5.00E-06	1.45E-06	1.71E-02	5.39E-06	1.57E-06	2.69E-02	8.50E-06	2.47E-06
70	486583.18, 3855493.15	1.54E-02	4.87E-06	1.42E-06	1.66E-02	5.25E-06	1.53E-06	2.62E-02	8.28E-06	2.41E-06
71	486633.18, 3855493.15	1.50E-02	4.74E-06	1.38E-06	1.62E-02	5.12E-06	1.49E-06	2.56E-02	8.07E-06	2.35E-06
72	486683.18, 3855493.15	1.47E-02	4.63E-06	1.35E-06	1.58E-02	4.99E-06	1.45E-06	2.49E-02	7.87E-06	2.29E-06
73	486533.18, 3855543.15	1.66E-02	5.24E-06	1.52E-06	1.79E-02	5.65E-06	1.64E-06	2.82E-02	8.91E-06	2.59E-06
74	486583.18, 3855543.15	1.60E-02	5.06E-06	1.47E-06	1.73E-02	5.46E-06	1.59E-06	2.73E-02	8.62E-06	2.51E-06
75	486633.18, 3855543.15	1.56E-02	4.94E-06	1.44E-06	1.69E-02	5.33E-06	1.55E-06	2.66E-02	8.41E-06	2.44E-06
76	486683.18, 3855543.15	1.51E-02	4.78E-06	1.39E-06	1.63E-02	5.15E-06	1.50E-06	2.58E-02	8.13E-06	2.37E-06
77	486533.18, 3855593.15	1.73E-02	5.46E-06	1.59E-06	1.87E-02	5.89E-06	1.71E-06	2.95E-02	9.30E-06	2.70E-06
78	486583.18, 3855593.15	1.68E-02	5.29E-06	1.54E-06	1.81E-02	5.71E-06	1.66E-06	2.85E-02	9.01E-06	2.62E-06
79	486633.18, 3855593.15	1.63E-02	5.14E-06	1.50E-06	1.76E-02	5.55E-06	1.61E-06	2.77E-02	8.76E-06	2.55E-06
80	486683.18, 3855593.15	1.59E-02	5.02E-06	1.46E-06	1.72E-02	5.41E-06	1.57E-06	2.71E-02	8.55E-06	2.49E-06
81	486533.18, 3855643.15	1.81E-02	5.70E-06	1.66E-06	1.95E-02	6.15E-06	1.79E-06	3.08E-02	9.71E-06	2.83E-06
82	486583.18, 3855643.15	1.75E-02	5.53E-06	1.61E-06	1.89E-02	5.97E-06	1.74E-06	2.99E-02	9.42E-06	2.74E-06
83	486633.18, 3855643.15	1.70E-02	5.37E-06	1.56E-06	1.83E-02	5.79E-06	1.68E-06	2.90E-02	9.15E-06	2.66E-06
84	486683.18, 3855643.15	1.66E-02	5.23E-06	1.52E-06	1.79E-02	5.64E-06	1.64E-06	2.82E-02	8.91E-06	2.59E-06
85	486533.18, 3855693.15	1.89E-02	5.98E-06	1.74E-06	2.04E-02	6.45E-06	1.88E-06	3.23E-02	1.02E-05	2.97E-06
86	486583.18, 3855693.15	1.82E-02	5.75E-06	1.67E-06	1.97E-02	6.21E-06	1.81E-06	3.11E-02	9.81E-06	2.85E-06
87	486633.18, 3855693.15	1.75E-02	5.54E-06	1.61E-06	1.89E-02	5.97E-06	1.74E-06	2.99E-02	9.44E-06	2.75E-06
88	486683.18, 3855693.15	1.72E-02	5.44E-06	1.58E-06	1.86E-02	5.86E-06	1.71E-06	2.94E-02	9.27E-06	2.70E-06
89	486733.18, 3855693.15	1.71E-02	5.38E-06	1.57E-06	1.84E-02	5.81E-06	1.69E-06	2.91E-02	9.18E-06	2.67E-06
90	486783.18, 3855693.15	1.70E-02	5.35E-06	1.56E-06	1.83E-02	5.77E-06	1.68E-06	2.89E-02	9.13E-06	2.66E-06
91	486533.18, 3855743.15	1.98E-02	6.24E-06	1.81E-06	2.13E-02	6.73E-06	1.96E-06	3.37E-02	1.06E-05	3.10E-06
92	486583.18, 3855743.15	1.89E-02	5.96E-06	1.73E-06	2.04E-02	6.43E-06	1.87E-06	3.22E-02	1.02E-05	2.96E-06
93	486633.18, 3855743.15	1.83E-02	5.77E-06	1.68E-06	1.97E-02	6.22E-06	1.81E-06	3.12E-02	9.84E-06	2.86E-06
94	486683.18, 3855743.15	1.80E-02	5.69E-06	1.66E-06	1.95E-02	6.14E-06	1.79E-06	3.08E-02	9.72E-06	2.83E-06
95	486733.18, 3855743.15	1.77E-02	5.58E-06	1.62E-06	1.91E-02	6.02E-06	1.75E-06	3.02E-02	9.53E-06	2.77E-06
96	486783.18, 3855743.15	1.77E-02	5.58E-06	1.62E-06	1.91E-02	6.02E-06	1.75E-06	3.02E-02	9.53E-06	2.77E-06
97	486533.18, 3855793.15	2.06E-02	6.51E-06	1.89E-06	2.23E-02	7.02E-06	2.04E-06	3.52E-02	1.11E-05	3.24E-06
98	486583.18, 3855793.15	1.95E-02	6.15E-06	1.79E-06	2.10E-02	6.63E-06	1.93E-06	3.33E-02	1.05E-05	3.05E-06
99	486633.18, 3855793.15	1.92E-02	6.05E-06	1.76E-06	2.07E-02	6.53E-06	1.90E-06	3.28E-02	1.03E-05	3.01E-06
100	486683.18, 3855793.15	1.89E-02	5.97E-06	1.74E-06	2.04E-02	6.45E-06	1.88E-06	3.24E-02	1.02E-05	2.97E-06
101	486733.18, 3855793.15	1.86E-02	5.87E-06	1.71E-06	2.01E-02	6.34E-06	1.84E-06	3.18E-02	1.00E-05	2.92E-06
102	486783.18, 3855793.15	1.84E-02	5.79E-06	1.68E-06	1.98E-02	6.25E-06	1.82E-06	3.14E-02	9.90E-06	2.88E-06
103	486533.18, 3855843.15	2.13E-02	6.72E-06	1.96E-06	2.30E-02	7.26E-06	2.11E-06	3.64E-02	1.15E-05	3.34E-06
104	486583.18, 3855843.15	2.03E-02	6.42E-06	1.87E-06	2.20E-02	6.93E-06	2.02E-06	3.48E-02	1.10E-05	3.19E-06
105	486633.18, 3855843.15	2.00E-02	6.32E-06	1.84E-06	2.16E-02	6.83E-06	1.99E-06	3.43E-02	1.08E-05	3.15E-06
106	486683.18, 3855843.15	1.98E-02	6.24E-06	1.81E-06	2.13E-02	6.73E-06	1.96E-06	3.38E-02	1.07E-05	3.10E-06
107	486733.18, 3855843.15	1.95E-02	6.15E-06	1.79E-06	2.10E-02	6.64E-06	1.93E-06	3.33E-02	1.05E-05	3.06E-06
108	486783.18, 3855843.15	1.92E-02	6.05E-06	1.76E-06	2.07E-02	6.53E-06	1.90E-06	3.28E-02	1.04E-05	3.01E-06
109	486533.18, 3855893.15	2.17E-02	6.86E-06	1.99E-06	2.34E-02	7.40E-06	2.15E-06	3.72E-02	1.17E-05	3.41E-06
110	486583.18, 3855893.15	2.13E-02	6.73E-06	1.96E-06	2.30E-02	7.27E-06	2.11E-06	3.65E-02	1.15E-05	3.35E-06
111	486633.18, 3855893.15	2.09E-02	6.60E-06	1.92E-06	2.26E-02	7.13E-06	2.07E-06	3.58E-02	1.13E-05	3.29E-06
112	486683.18, 3855893.15	2.06E-02	6.51E-06	1.89E-06	2.22E-02	7.02E-06	2.04E-06	3.53E-02	1.11E-05	3.24E-06
113	486733.18, 3855893.15	2.03E-02	6.41E-06	1.86E-06	2.19E-02	6.92E-06	2.01E-06	3.48E-02	1.10E-05	3.19E-06
114	486783.18, 3855893.15	2.01E-02	6.34E-06	1.84E-06	2.17E-02	6.84E-06	1.99E-06	3.44E-02	1.09E-05	3.16E-06
115	486533.18, 3855943.15	2.26E-02	7.12E-06	2.07E-06	2.44E-02	7.69E-06	2.24E-06	3.87E-02	1.22E-05	3.55E-06
116	486583.18, 3855943.15	2.24E-02	7.06E-06	2.05E-06	2.41E-02	7.62E-06	2.22E-06	3.83E-02	1.21E-05	3.52E-06
117	486633.18, 3855943.15	2.19E-02	6.90E-06	2.01E-06	2.36E-02	7.45E-06	2.17E-06	3.75E-02	1.18E-05	3.44E-06
118	486683.18, 3855943.15	2.16E-02	6.81E-06	1.98E-06	2.33E-02	7.36E-06	2.14E-06	3.70E-02	1.17E-05	3.40E-06

119	486733.18, 3855943.15	2.12E-02	6.69E-06	1.95E-06	2.29E-02	7.22E-06	2.10E-06	3.63E-02	1.15E-05	3.33E-06
120	486783.18, 3855943.15	2.10E-02	6.62E-06	1.92E-06	2.26E-02	7.14E-06	2.08E-06	3.60E-02	1.13E-05	3.30E-06
121	486533.18, 3855993.15	2.36E-02	7.46E-06	2.17E-06	2.55E-02	8.06E-06	2.34E-06	4.06E-02	1.28E-05	3.72E-06
122	486583.18, 3855993.15	2.33E-02	7.34E-06	2.13E-06	2.51E-02	7.92E-06	2.30E-06	3.99E-02	1.26E-05	3.66E-06
123	486633.18, 3855993.15	2.28E-02	7.21E-06	2.10E-06	2.46E-02	7.78E-06	2.26E-06	3.92E-02	1.24E-05	3.60E-06
124	486683.18, 3855993.15	2.25E-02	7.11E-06	2.07E-06	2.43E-02	7.68E-06	2.23E-06	3.87E-02	1.22E-05	3.55E-06
125	486733.18, 3855993.15	2.21E-02	6.99E-06	2.03E-06	2.39E-02	7.54E-06	2.19E-06	3.80E-02	1.20E-05	3.49E-06
126	486783.18, 3855993.15	2.18E-02	6.89E-06	2.00E-06	2.36E-02	7.43E-06	2.16E-06	3.74E-02	1.18E-05	3.44E-06
127	486533.18, 3856043.15	2.47E-02	7.80E-06	2.27E-06	2.67E-02	8.42E-06	2.45E-06	4.24E-02	1.34E-05	3.89E-06
128	486583.18, 3856043.15	2.44E-02	7.69E-06	2.24E-06	2.63E-02	8.30E-06	2.41E-06	4.18E-02	1.32E-05	3.84E-06
129	486633.18, 3856043.15	2.38E-02	7.52E-06	2.19E-06	2.57E-02	8.12E-06	2.36E-06	4.09E-02	1.29E-05	3.76E-06
130	486683.18, 3856043.15	2.35E-02	7.43E-06	2.16E-06	2.54E-02	8.02E-06	2.33E-06	4.04E-02	1.28E-05	3.71E-06
131	486733.18, 3856043.15	2.31E-02	7.28E-06	2.12E-06	2.49E-02	7.86E-06	2.29E-06	3.96E-02	1.25E-05	3.64E-06
132	486783.18, 3856043.15	2.28E-02	7.21E-06	2.10E-06	2.47E-02	7.78E-06	2.26E-06	3.92E-02	1.24E-05	3.60E-06
133	486533.18, 3856093.15	2.59E-02	8.19E-06	2.38E-06	2.80E-02	8.84E-06	2.57E-06	4.46E-02	1.41E-05	4.09E-06
134	486583.18, 3856093.15	2.54E-02	8.03E-06	2.33E-06	2.75E-02	8.67E-06	2.52E-06	4.37E-02	1.38E-05	4.01E-06
135	486633.18, 3856093.15	2.49E-02	7.87E-06	2.29E-06	2.69E-02	8.50E-06	2.47E-06	4.28E-02	1.35E-05	3.93E-06
136	486683.18, 3856093.15	2.46E-02	7.75E-06	2.25E-06	2.65E-02	8.37E-06	2.43E-06	4.22E-02	1.33E-05	3.87E-06
137	486733.18, 3856093.15	2.41E-02	7.61E-06	2.21E-06	2.60E-02	8.22E-06	2.39E-06	4.14E-02	1.31E-05	3.80E-06
138	486783.18, 3856093.15	2.38E-02	7.51E-06	2.18E-06	2.57E-02	8.11E-06	2.36E-06	4.09E-02	1.29E-05	3.75E-06
139	486533.18, 3856143.15	2.71E-02	8.56E-06	2.49E-06	2.93E-02	9.24E-06	2.69E-06	4.66E-02	1.47E-05	4.28E-06
140	486583.18, 3856143.15	2.65E-02	8.36E-06	2.43E-06	2.86E-02	9.02E-06	2.62E-06	4.55E-02	1.44E-05	4.18E-06
141	486633.18, 3856143.15	2.60E-02	8.22E-06	2.39E-06	2.81E-02	8.88E-06	2.58E-06	4.48E-02	1.41E-05	4.11E-06
142	486683.18, 3856143.15	2.56E-02	8.08E-06	2.35E-06	2.76E-02	8.72E-06	2.54E-06	4.40E-02	1.39E-05	4.04E-06
143	486733.18, 3856143.15	2.52E-02	7.94E-06	2.31E-06	2.72E-02	8.57E-06	2.49E-06	4.33E-02	1.37E-05	3.97E-06
144	486783.18, 3856143.15	2.49E-02	7.86E-06	2.29E-06	2.69E-02	8.49E-06	2.47E-06	4.29E-02	1.35E-05	3.94E-06
145	486533.18, 3856193.15	2.85E-02	8.98E-06	2.61E-06	3.07E-02	9.70E-06	2.82E-06	4.90E-02	1.55E-05	4.50E-06
146	486583.18, 3856193.15	2.77E-02	8.73E-06	2.54E-06	2.99E-02	9.43E-06	2.74E-06	4.77E-02	1.50E-05	4.38E-06
147	486633.18, 3856193.15	2.72E-02	8.58E-06	2.50E-06	2.94E-02	9.27E-06	2.70E-06	4.68E-02	1.48E-05	4.30E-06
148	486683.18, 3856193.15	2.69E-02	8.48E-06	2.47E-06	2.90E-02	9.16E-06	2.66E-06	4.62E-02	1.46E-05	4.25E-06
149	486733.18, 3856193.15	2.63E-02	8.30E-06	2.42E-06	2.84E-02	8.97E-06	2.61E-06	4.53E-02	1.43E-05	4.16E-06
150	486783.18, 3856193.15	2.60E-02	8.22E-06	2.39E-06	2.81E-02	8.88E-06	2.58E-06	4.49E-02	1.42E-05	4.12E-06
151	486533.18, 3856243.15	2.98E-02	9.40E-06	2.73E-06	3.22E-02	1.02E-05	2.95E-06	5.13E-02	1.62E-05	4.71E-06
152	486583.18, 3856243.15	2.91E-02	9.18E-06	2.67E-06	3.14E-02	9.92E-06	2.89E-06	5.02E-02	1.58E-05	4.60E-06
153	486633.18, 3856243.15	2.85E-02	8.99E-06	2.62E-06	3.08E-02	9.71E-06	2.83E-06	4.91E-02	1.55E-05	4.51E-06
154	486683.18, 3856243.15	2.80E-02	8.84E-06	2.57E-06	3.03E-02	9.55E-06	2.78E-06	4.83E-02	1.52E-05	4.43E-06
155	486733.18, 3856243.15	2.76E-02	8.71E-06	2.53E-06	2.98E-02	9.41E-06	2.74E-06	4.76E-02	1.50E-05	4.37E-06
156	486783.18, 3856243.15	2.71E-02	8.56E-06	2.49E-06	2.93E-02	9.25E-06	2.69E-06	4.68E-02	1.48E-05	4.29E-06
157	486533.18, 3856293.15	3.13E-02	9.87E-06	2.87E-06	3.38E-02	1.07E-05	3.10E-06	5.39E-02	1.70E-05	4.95E-06
158	486583.18, 3856293.15	3.05E-02	9.63E-06	2.80E-06	3.29E-02	1.04E-05	3.02E-06	5.26E-02	1.66E-05	4.83E-06
159	486633.18, 3856293.15	2.99E-02	9.43E-06	2.74E-06	3.23E-02	1.02E-05	2.96E-06	5.15E-02	1.63E-05	4.73E-06
160	486683.18, 3856293.15	2.93E-02	9.25E-06	2.69E-06	3.17E-02	9.99E-06	2.91E-06	5.05E-02	1.60E-05	4.64E-06
161	486733.18, 3856293.15	2.89E-02	9.13E-06	2.66E-06	3.12E-02	9.86E-06	2.87E-06	4.99E-02	1.57E-05	4.58E-06
162	486783.18, 3856293.15	2.84E-02	8.96E-06	2.61E-06	3.07E-02	9.68E-06	2.81E-06	4.89E-02	1.54E-05	4.49E-06
163	486783.18, 3856343.15	2.98E-02	9.42E-06	2.74E-06	3.22E-02	1.02E-05	2.96E-06	5.15E-02	1.63E-05	4.73E-06
164	486833.18, 3856343.15	2.93E-02	9.26E-06	2.69E-06	3.17E-02	1.00E-05	2.91E-06	5.06E-02	1.60E-05	4.65E-06
165	486883.18, 3856343.15	2.89E-02	9.11E-06	2.65E-06	3.12E-02	9.84E-06	2.86E-06	4.98E-02	1.57E-05	4.57E-06
166	486783.18, 3856393.15	3.11E-02	9.83E-06	2.86E-06	3.37E-02	1.06E-05	3.09E-06	5.38E-02	1.70E-05	4.94E-06
167	486833.18, 3856393.15	3.06E-02	9.67E-06	2.81E-06	3.31E-02	1.04E-05	3.04E-06	5.29E-02	1.67E-05	4.85E-06
168	486883.18, 3856393.15	3.00E-02	9.47E-06	2.75E-06	3.24E-02	1.02E-05	2.98E-06	5.18E-02	1.63E-05	4.75E-06
169	487208.74, 3856886.11	4.04E-02	1.27E-05	3.71E-06	4.36E-02	1.38E-05	4.01E-06	6.99E-02	2.21E-05	6.42E-06
170	487258.74, 3856886.11	3.92E-02	1.24E-05	3.60E-06	4.24E-02	1.34E-05	3.89E-06	6.79E-02	2.14E-05	6.23E-06
171	487308.74, 3856886.11	3.81E-02	1.20E-05	3.50E-06	4.12E-02	1.30E-05	3.78E-06	6.60E-02	2.08E-05	6.06E-06
172	487358.74, 3856886.11	3.71E-02	1.17E-05	3.40E-06	4.01E-02	1.27E-05	3.68E-06	6.42E-02	2.03E-05	5.89E-06
173	487208.74, 3856936.11	4.23E-02	1.34E-05	3.89E-06	4.57E-02	1.44E-05	4.20E-06	7.33E-02	2.31E-05	6.73E-06
174	487258.74, 3856936.11	4.10E-02	1.30E-05	3.77E-06	4.44E-02	1.40E-05	4.07E-06	7.11E-02	2.24E-05	6.53E-06
175	487308.74, 3856936.11	3.99E-02	1.26E-05	3.66E-06	4.31E-02	1.36E-05	3.96E-06	6.91E-02	2.18E-05	6.34E-06
176	487358.74, 3856936.11	3.88E-02	1.22E-05	3.56E-06	4.19E-02	1.32E-05	3.84E-06	6.71E-02	2.12E-05	6.16E-06
177	487208.74, 3856986.11	4.44E-02	1.40E-05	4.08E-06	4.80E-02	1.52E-05	4.41E-06	7.70E-02	2.43E-05	7.07E-06
178	487258.74, 3856986.11	4.31E-02	1.36E-05	3.96E-06	4.66E-02	1.47E-05	4.28E-06	7.47E-02	2.36E-05	6.86E-06
179	487308.74, 3856986.11	4.17E-02	1.32E-05	3.83E-06	4.51E-02	1.42E-05	4.14E-06	7.23E-02	2.28E-05	6.64E-06

180	487358.74, 3856986.11	4.05E-02	1.28E-05	3.72E-06	4.38E-02	1.38E-05	4.02E-06	7.02E-02	2.22E-05	6.45E-06
181	487208.74, 3857036.11	4.67E-02	1.47E-05	4.29E-06	5.05E-02	1.59E-05	4.64E-06	8.10E-02	2.56E-05	7.44E-06
182	487258.74, 3857036.11	4.52E-02	1.43E-05	4.15E-06	4.88E-02	1.54E-05	4.48E-06	7.83E-02	2.47E-05	7.19E-06
183	487308.74, 3857036.11	4.38E-02	1.38E-05	4.02E-06	4.73E-02	1.49E-05	4.35E-06	7.59E-02	2.40E-05	6.97E-06
184	487358.74, 3857036.11	4.24E-02	1.34E-05	3.90E-06	4.59E-02	1.45E-05	4.21E-06	7.36E-02	2.32E-05	6.75E-06
185	487427.14, 3856878.23	3.56E-02	1.13E-05	3.27E-06	3.85E-02	1.22E-05	3.54E-06	6.17E-02	1.95E-05	5.66E-06
186	487477.14, 3856878.23	3.48E-02	1.10E-05	3.19E-06	3.76E-02	1.19E-05	3.45E-06	6.02E-02	1.90E-05	5.53E-06
187	487527.14, 3856878.23	3.39E-02	1.07E-05	3.12E-06	3.67E-02	1.16E-05	3.37E-06	5.87E-02	1.85E-05	5.39E-06
188	487427.14, 3856928.23	3.71E-02	1.17E-05	3.41E-06	4.01E-02	1.27E-05	3.68E-06	6.43E-02	2.03E-05	5.90E-06
189	487477.14, 3856928.23	3.61E-02	1.14E-05	3.32E-06	3.91E-02	1.23E-05	3.59E-06	6.25E-02	1.97E-05	5.74E-06
190	487527.14, 3856928.23	3.52E-02	1.11E-05	3.24E-06	3.81E-02	1.20E-05	3.50E-06	6.10E-02	1.93E-05	5.60E-06
191	487577.14, 3856928.23	3.44E-02	1.09E-05	3.16E-06	3.72E-02	1.17E-05	3.41E-06	5.95E-02	1.88E-05	5.46E-06
192	487627.14, 3856928.23	3.35E-02	1.06E-05	3.08E-06	3.62E-02	1.14E-05	3.33E-06	5.80E-02	1.83E-05	5.33E-06
193	487677.14, 3856928.23	3.28E-02	1.03E-05	3.01E-06	3.54E-02	1.12E-05	3.25E-06	5.67E-02	1.79E-05	5.21E-06
194	487727.14, 3856928.23	3.21E-02	1.01E-05	2.94E-06	3.46E-02	1.09E-05	3.18E-06	5.55E-02	1.75E-05	5.09E-06
195	487777.14, 3856928.23	3.13E-02	9.89E-06	2.88E-06	3.39E-02	1.07E-05	3.11E-06	5.42E-02	1.71E-05	4.98E-06
196	487427.14, 3856978.23	3.87E-02	1.22E-05	3.55E-06	4.18E-02	1.32E-05	3.84E-06	6.70E-02	2.11E-05	6.15E-06
197	487477.14, 3856978.23	3.76E-02	1.19E-05	3.46E-06	4.07E-02	1.28E-05	3.74E-06	6.52E-02	2.06E-05	5.98E-06
198	487527.14, 3856978.23	3.67E-02	1.16E-05	3.37E-06	3.96E-02	1.25E-05	3.64E-06	6.35E-02	2.00E-05	5.83E-06
199	487577.14, 3856978.23	3.57E-02	1.13E-05	3.28E-06	3.86E-02	1.22E-05	3.54E-06	6.18E-02	1.95E-05	5.68E-06
200	487627.14, 3856978.23	3.48E-02	1.10E-05	3.19E-06	3.76E-02	1.19E-05	3.45E-06	6.02E-02	1.90E-05	5.53E-06
201	487677.14, 3856978.23	3.39E-02	1.07E-05	3.12E-06	3.67E-02	1.16E-05	3.37E-06	5.88E-02	1.85E-05	5.39E-06
202	487727.14, 3856978.23	3.30E-02	1.04E-05	3.03E-06	3.57E-02	1.13E-05	3.28E-06	5.72E-02	1.80E-05	5.25E-06
203	487777.14, 3856978.23	3.24E-02	1.02E-05	2.98E-06	3.50E-02	1.11E-05	3.22E-06	5.61E-02	1.77E-05	5.15E-06
204	487427.14, 3857028.23	4.04E-02	1.28E-05	3.71E-06	4.37E-02	1.38E-05	4.01E-06	7.00E-02	2.21E-05	6.43E-06
205	487477.14, 3857028.23	3.93E-02	1.24E-05	3.60E-06	4.24E-02	1.34E-05	3.90E-06	6.80E-02	2.15E-05	6.24E-06
206	487527.14, 3857028.23	3.81E-02	1.20E-05	3.50E-06	4.12E-02	1.30E-05	3.79E-06	6.61E-02	2.09E-05	6.07E-06
207	487577.14, 3857028.23	3.71E-02	1.17E-05	3.41E-06	4.01E-02	1.27E-05	3.68E-06	6.43E-02	2.03E-05	5.90E-06
208	487627.14, 3857028.23	3.61E-02	1.14E-05	3.31E-06	3.90E-02	1.23E-05	3.58E-06	6.25E-02	1.97E-05	5.74E-06
209	487677.14, 3857028.23	3.52E-02	1.11E-05	3.23E-06	3.80E-02	1.20E-05	3.49E-06	6.09E-02	1.92E-05	5.59E-06
210	487727.14, 3857028.23	3.43E-02	1.08E-05	3.15E-06	3.71E-02	1.17E-05	3.41E-06	5.95E-02	1.88E-05	5.46E-06
211	487777.14, 3857028.23	3.35E-02	1.06E-05	3.08E-06	3.62E-02	1.14E-05	3.32E-06	5.80E-02	1.83E-05	5.33E-06
212	487427.14, 3857078.23	4.23E-02	1.33E-05	3.88E-06	4.57E-02	1.44E-05	4.19E-06	7.33E-02	2.31E-05	6.73E-06
213	487477.14, 3857078.23	4.09E-02	1.29E-05	3.76E-06	4.43E-02	1.40E-05	4.06E-06	7.10E-02	2.24E-05	6.52E-06
214	487527.14, 3857078.23	3.97E-02	1.25E-05	3.65E-06	4.30E-02	1.36E-05	3.94E-06	6.89E-02	2.17E-05	6.32E-06
215	487577.14, 3857078.23	3.86E-02	1.22E-05	3.54E-06	4.17E-02	1.32E-05	3.83E-06	6.69E-02	2.11E-05	6.14E-06
216	487627.14, 3857078.23	3.75E-02	1.18E-05	3.44E-06	4.05E-02	1.28E-05	3.72E-06	6.50E-02	2.05E-05	5.96E-06
217	487677.14, 3857078.23	3.65E-02	1.15E-05	3.35E-06	3.94E-02	1.24E-05	3.62E-06	6.32E-02	2.00E-05	5.80E-06
218	487727.14, 3857078.23	3.55E-02	1.12E-05	3.26E-06	3.84E-02	1.21E-05	3.53E-06	6.16E-02	1.94E-05	5.65E-06
219	487777.14, 3857078.23	3.46E-02	1.09E-05	3.18E-06	3.74E-02	1.18E-05	3.43E-06	6.00E-02	1.89E-05	5.51E-06
220	487427.14, 3857128.23	4.42E-02	1.40E-05	4.06E-06	4.78E-02	1.51E-05	4.39E-06	7.68E-02	2.42E-05	7.05E-06
221	487477.14, 3857128.23	4.28E-02	1.35E-05	3.93E-06	4.62E-02	1.46E-05	4.24E-06	7.42E-02	2.34E-05	6.81E-06
222	487527.14, 3857128.23	4.14E-02	1.31E-05	3.80E-06	4.48E-02	1.41E-05	4.11E-06	7.18E-02	2.27E-05	6.59E-06
223	487577.14, 3857128.23	4.02E-02	1.27E-05	3.69E-06	4.34E-02	1.37E-05	3.98E-06	6.96E-02	2.20E-05	6.39E-06
224	487627.14, 3857128.23	3.90E-02	1.23E-05	3.58E-06	4.21E-02	1.33E-05	3.87E-06	6.76E-02	2.13E-05	6.21E-06
225	487677.14, 3857128.23	3.78E-02	1.19E-05	3.47E-06	4.09E-02	1.29E-05	3.75E-06	6.56E-02	2.07E-05	6.02E-06
226	487727.14, 3857128.23	3.68E-02	1.16E-05	3.38E-06	3.98E-02	1.26E-05	3.66E-06	6.39E-02	2.02E-05	5.86E-06
227	487777.14, 3857128.23	3.58E-02	1.13E-05	3.29E-06	3.87E-02	1.22E-05	3.55E-06	6.21E-02	1.96E-05	5.70E-06
228	488049.44, 3856539.39	2.26E-02	7.12E-06	2.07E-06	2.44E-02	7.69E-06	2.24E-06	3.89E-02	1.23E-05	3.57E-06
229	488099.44, 3856539.39	2.22E-02	6.99E-06	2.03E-06	2.39E-02	7.56E-06	2.20E-06	3.82E-02	1.21E-05	3.51E-06
230	488149.44, 3856539.39	2.18E-02	6.89E-06	2.00E-06	2.36E-02	7.44E-06	2.16E-06	3.76E-02	1.19E-05	3.45E-06
231	488049.44, 3856589.39	2.32E-02	7.32E-06	2.13E-06	2.51E-02	7.91E-06	2.30E-06	4.00E-02	1.26E-05	3.68E-06
232	488099.44, 3856589.39	2.28E-02	7.19E-06	2.09E-06	2.46E-02	7.77E-06	2.26E-06	3.93E-02	1.24E-05	3.61E-06
233	488149.44, 3856589.39	2.24E-02	7.07E-06	2.06E-06	2.42E-02	7.64E-06	2.22E-06	3.87E-02	1.22E-05	3.55E-06
234	488199.44, 3856589.39	2.20E-02	6.95E-06	2.02E-06	2.38E-02	7.51E-06	2.18E-06	3.80E-02	1.20E-05	3.49E-06
235	488249.44, 3856589.39	2.17E-02	6.86E-06	2.00E-06	2.35E-02	7.41E-06	2.16E-06	3.75E-02	1.18E-05	3.44E-06
236	488049.44, 3856639.39	2.38E-02	7.53E-06	2.19E-06	2.58E-02	8.13E-06	2.36E-06	4.12E-02	1.30E-05	3.78E-06
237	488099.44, 3856639.39	2.34E-02	7.39E-06	2.15E-06	2.53E-02	7.98E-06	2.32E-06	4.04E-02	1.28E-05	3.71E-06
238	488149.44, 3856639.39	2.30E-02	7.26E-06	2.11E-06	2.49E-02	7.85E-06	2.28E-06	3.97E-02	1.25E-05	3.65E-06
239	488199.44, 3856639.39	2.26E-02	7.15E-06	2.08E-06	2.45E-02	7.72E-06	2.25E-06	3.91E-02	1.23E-05	3.59E-06
240	488249.44, 3856639.39	2.23E-02	7.03E-06	2.05E-06	2.41E-02	7.60E-06	2.21E-06	3.85E-02	1.21E-05	3.53E-06

241	488299.44, 3856639.39	2.19E-02	6.92E-06	2.01E-06	2.37E-02	7.48E-06	2.17E-06	3.78E-02	1.19E-05	3.47E-06
242	488349.44, 3856639.39	2.16E-02	6.81E-06	1.98E-06	2.33E-02	7.35E-06	2.14E-06	3.72E-02	1.17E-05	3.42E-06
243	488399.44, 3856639.39	2.13E-02	6.71E-06	1.95E-06	2.30E-02	7.25E-06	2.11E-06	3.67E-02	1.16E-05	3.37E-06
244	488099.44, 3856689.39	2.41E-02	7.60E-06	2.21E-06	2.60E-02	8.21E-06	2.39E-06	4.16E-02	1.31E-05	3.82E-06
245	488149.44, 3856689.39	2.36E-02	7.46E-06	2.17E-06	2.55E-02	8.06E-06	2.34E-06	4.08E-02	1.29E-05	3.75E-06
246	488199.44, 3856689.39	2.32E-02	7.34E-06	2.13E-06	2.51E-02	7.93E-06	2.31E-06	4.01E-02	1.27E-05	3.68E-06
247	488249.44, 3856689.39	2.28E-02	7.21E-06	2.10E-06	2.47E-02	7.79E-06	2.26E-06	3.94E-02	1.24E-05	3.62E-06
248	488299.44, 3856689.39	2.25E-02	7.10E-06	2.06E-06	2.43E-02	7.67E-06	2.23E-06	3.88E-02	1.23E-05	3.56E-06
249	488349.44, 3856689.39	2.21E-02	6.98E-06	2.03E-06	2.39E-02	7.54E-06	2.19E-06	3.82E-02	1.20E-05	3.50E-06
250	488399.44, 3856689.39	2.17E-02	6.85E-06	1.99E-06	2.34E-02	7.40E-06	2.15E-06	3.75E-02	1.18E-05	3.44E-06
251	488099.44, 3856739.39	2.48E-02	7.81E-06	2.27E-06	2.67E-02	8.44E-06	2.46E-06	4.28E-02	1.35E-05	3.92E-06
252	488149.44, 3856739.39	2.43E-02	7.66E-06	2.23E-06	2.62E-02	8.28E-06	2.41E-06	4.19E-02	1.32E-05	3.85E-06
253	488199.44, 3856739.39	2.39E-02	7.54E-06	2.19E-06	2.58E-02	8.14E-06	2.37E-06	4.12E-02	1.30E-05	3.79E-06
254	488249.44, 3856739.39	2.34E-02	7.40E-06	2.15E-06	2.53E-02	7.99E-06	2.32E-06	4.05E-02	1.28E-05	3.72E-06
255	488299.44, 3856739.39	2.30E-02	7.25E-06	2.11E-06	2.48E-02	7.84E-06	2.28E-06	3.97E-02	1.25E-05	3.64E-06
256	488349.44, 3856739.39	2.27E-02	7.15E-06	2.08E-06	2.45E-02	7.72E-06	2.25E-06	3.91E-02	1.23E-05	3.59E-06
257	488399.44, 3856739.39	2.23E-02	7.04E-06	2.05E-06	2.41E-02	7.61E-06	2.21E-06	3.85E-02	1.22E-05	3.54E-06
258	487999.44, 3856789.39	2.63E-02	8.31E-06	2.42E-06	2.85E-02	8.98E-06	2.61E-06	4.55E-02	1.44E-05	4.18E-06
259	488049.44, 3856789.39	2.59E-02	8.16E-06	2.37E-06	2.79E-02	8.82E-06	2.56E-06	4.47E-02	1.41E-05	4.10E-06
260	488099.44, 3856789.39	2.54E-02	8.02E-06	2.33E-06	2.75E-02	8.67E-06	2.52E-06	4.39E-02	1.39E-05	4.03E-06
261	488149.44, 3856789.39	2.49E-02	7.87E-06	2.29E-06	2.69E-02	8.50E-06	2.47E-06	4.31E-02	1.36E-05	3.95E-06
262	488199.44, 3856789.39	2.45E-02	7.73E-06	2.25E-06	2.65E-02	8.35E-06	2.43E-06	4.23E-02	1.33E-05	3.88E-06
263	488249.44, 3856789.39	2.40E-02	7.59E-06	2.21E-06	2.60E-02	8.20E-06	2.38E-06	4.15E-02	1.31E-05	3.81E-06
264	488299.44, 3856789.39	2.36E-02	7.44E-06	2.16E-06	2.55E-02	8.04E-06	2.34E-06	4.07E-02	1.29E-05	3.74E-06
265	488349.44, 3856789.39	2.32E-02	7.33E-06	2.13E-06	2.51E-02	7.92E-06	2.30E-06	4.01E-02	1.27E-05	3.68E-06
266	488399.44, 3856789.39	2.28E-02	7.21E-06	2.10E-06	2.47E-02	7.79E-06	2.27E-06	3.95E-02	1.25E-05	3.62E-06
267	487949.44, 3856839.39	2.76E-02	8.72E-06	2.54E-06	2.98E-02	9.42E-06	2.74E-06	4.77E-02	1.51E-05	4.38E-06
268	487999.44, 3856839.39	2.71E-02	8.55E-06	2.49E-06	2.93E-02	9.24E-06	2.69E-06	4.68E-02	1.48E-05	4.30E-06
269	488049.44, 3856839.39	2.66E-02	8.38E-06	2.44E-06	2.87E-02	9.06E-06	2.63E-06	4.59E-02	1.45E-05	4.21E-06
270	488099.44, 3856839.39	2.61E-02	8.23E-06	2.39E-06	2.82E-02	8.89E-06	2.59E-06	4.51E-02	1.42E-05	4.14E-06
271	488149.44, 3856839.39	2.56E-02	8.08E-06	2.35E-06	2.77E-02	8.73E-06	2.54E-06	4.42E-02	1.40E-05	4.06E-06
272	488199.44, 3856839.39	2.51E-02	7.93E-06	2.31E-06	2.71E-02	8.57E-06	2.49E-06	4.34E-02	1.37E-05	3.99E-06
273	487949.44, 3856889.39	2.84E-02	8.96E-06	2.61E-06	3.07E-02	9.69E-06	2.82E-06	4.91E-02	1.55E-05	4.51E-06
274	487999.44, 3856889.39	2.79E-02	8.80E-06	2.56E-06	3.01E-02	9.51E-06	2.76E-06	4.82E-02	1.52E-05	4.42E-06
275	488049.44, 3856889.39	2.73E-02	8.61E-06	2.50E-06	2.95E-02	9.30E-06	2.71E-06	4.72E-02	1.49E-05	4.33E-06
276	488099.44, 3856889.39	2.68E-02	8.45E-06	2.46E-06	2.89E-02	9.13E-06	2.66E-06	4.63E-02	1.46E-05	4.25E-06
277	488635.86, 3857895.05	3.02E-02	9.54E-06	2.78E-06	3.27E-02	1.03E-05	3.00E-06	5.27E-02	1.66E-05	4.84E-06
278	489137.64, 3857804.15	2.27E-02	7.17E-06	2.09E-06	2.46E-02	7.75E-06	2.26E-06	3.95E-02	1.25E-05	3.63E-06
279	488617.32, 3857859.41	3.04E-02	9.59E-06	2.79E-06	3.29E-02	1.04E-05	3.02E-06	5.29E-02	1.67E-05	4.86E-06
280	488667.32, 3857859.41	2.95E-02	9.31E-06	2.71E-06	3.19E-02	1.01E-05	2.93E-06	5.14E-02	1.62E-05	4.71E-06
281	488717.32, 3857859.41	2.86E-02	9.03E-06	2.63E-06	3.10E-02	9.77E-06	2.84E-06	4.98E-02	1.57E-05	4.58E-06
282	488767.32, 3857859.41	2.78E-02	8.76E-06	2.55E-06	3.00E-02	9.47E-06	2.76E-06	4.83E-02	1.53E-05	4.44E-06
283	488617.32, 3857909.41	3.07E-02	9.68E-06	2.82E-06	3.32E-02	1.05E-05	3.05E-06	5.35E-02	1.69E-05	4.91E-06
284	488667.32, 3857909.41	2.97E-02	9.36E-06	2.72E-06	3.21E-02	1.01E-05	2.94E-06	5.16E-02	1.63E-05	4.74E-06
285	488717.32, 3857909.41	2.88E-02	9.09E-06	2.64E-06	3.12E-02	9.83E-06	2.86E-06	5.02E-02	1.58E-05	4.61E-06
286	488767.32, 3857909.41	2.79E-02	8.81E-06	2.56E-06	3.02E-02	9.53E-06	2.77E-06	4.86E-02	1.53E-05	4.46E-06
287	488417.32, 3857959.41	3.58E-02	1.13E-05	3.29E-06	3.87E-02	1.22E-05	3.56E-06	6.25E-02	1.97E-05	5.74E-06
288	488467.32, 3857959.41	3.44E-02	1.09E-05	3.16E-06	3.73E-02	1.18E-05	3.42E-06	6.01E-02	1.90E-05	5.52E-06
289	488517.32, 3857959.41	3.32E-02	1.05E-05	3.05E-06	3.59E-02	1.13E-05	3.30E-06	5.79E-02	1.83E-05	5.31E-06
290	488567.32, 3857959.41	3.20E-02	1.01E-05	2.94E-06	3.46E-02	1.09E-05	3.18E-06	5.57E-02	1.76E-05	5.12E-06
291	488617.32, 3857959.41	3.09E-02	9.76E-06	2.84E-06	3.34E-02	1.06E-05	3.07E-06	5.38E-02	1.70E-05	4.94E-06
292	488667.32, 3857959.41	2.99E-02	9.44E-06	2.75E-06	3.23E-02	1.02E-05	2.97E-06	5.21E-02	1.64E-05	4.78E-06
293	488717.32, 3857959.41	2.89E-02	9.13E-06	2.66E-06	3.13E-02	9.87E-06	2.87E-06	5.04E-02	1.59E-05	4.62E-06
294	488767.32, 3857959.41	2.80E-02	8.85E-06	2.57E-06	3.03E-02	9.57E-06	2.78E-06	4.88E-02	1.54E-05	4.48E-06
295	488417.32, 3858009.41	3.63E-02	1.15E-05	3.34E-06	3.93E-02	1.24E-05	3.61E-06	6.35E-02	2.00E-05	5.83E-06
296	488467.32, 3858009.41	3.49E-02	1.10E-05	3.20E-06	3.77E-02	1.19E-05	3.46E-06	6.09E-02	1.92E-05	5.59E-06
297	488517.32, 3858009.41	3.35E-02	1.06E-05	3.08E-06	3.63E-02	1.14E-05	3.33E-06	5.84E-02	1.84E-05	5.37E-06
298	488567.32, 3858009.41	3.23E-02	1.02E-05	2.96E-06	3.49E-02	1.10E-05	3.20E-06	5.62E-02	1.77E-05	5.16E-06
299	488617.32, 3858009.41	3.11E-02	9.83E-06	2.86E-06	3.37E-02	1.06E-05	3.09E-06	5.42E-02	1.71E-05	4.98E-06
300	488667.32, 3858009.41	3.01E-02	9.49E-06	2.76E-06	3.25E-02	1.03E-05	2.99E-06	5.24E-02	1.65E-05	4.81E-06
301	488717.32, 3858009.41	2.91E-02	9.17E-06	2.67E-06	3.14E-02	9.92E-06	2.88E-06	5.06E-02	1.60E-05	4.64E-06

302	488767.32, 3858009.41	2.81E-02	8.87E-06	2.58E-06	3.04E-02	9.59E-06	2.79E-06	4.89E-02	1.54E-05	4.49E-06
303	488417.32, 3858059.41	3.69E-02	1.16E-05	3.39E-06	3.99E-02	1.26E-05	3.66E-06	6.44E-02	2.03E-05	5.91E-06
304	488467.32, 3858059.41	3.53E-02	1.11E-05	3.24E-06	3.82E-02	1.20E-05	3.50E-06	6.15E-02	1.94E-05	5.65E-06
305	488517.32, 3858059.41	3.38E-02	1.07E-05	3.11E-06	3.66E-02	1.16E-05	3.36E-06	5.90E-02	1.86E-05	5.41E-06
306	488567.32, 3858059.41	3.25E-02	1.03E-05	2.98E-06	3.52E-02	1.11E-05	3.23E-06	5.66E-02	1.79E-05	5.20E-06
307	488617.32, 3858059.41	3.13E-02	9.87E-06	2.87E-06	3.38E-02	1.07E-05	3.10E-06	5.44E-02	1.72E-05	4.99E-06
308	488667.32, 3858059.41	3.01E-02	9.51E-06	2.77E-06	3.26E-02	1.03E-05	2.99E-06	5.25E-02	1.66E-05	4.82E-06
309	488417.32, 3858109.41	3.75E-02	1.18E-05	3.44E-06	4.06E-02	1.28E-05	3.73E-06	6.55E-02	2.07E-05	6.02E-06
310	488467.32, 3858109.41	3.57E-02	1.13E-05	3.28E-06	3.87E-02	1.22E-05	3.55E-06	6.24E-02	1.97E-05	5.73E-06
311	488517.32, 3858109.41	3.41E-02	1.08E-05	3.13E-06	3.69E-02	1.17E-05	3.39E-06	5.95E-02	1.88E-05	5.46E-06
312	488567.32, 3858109.41	3.27E-02	1.03E-05	3.00E-06	3.54E-02	1.12E-05	3.25E-06	5.69E-02	1.80E-05	5.23E-06
313	488617.32, 3858109.41	3.13E-02	9.89E-06	2.88E-06	3.39E-02	1.07E-05	3.11E-06	5.45E-02	1.72E-05	5.01E-06
314	488667.32, 3858109.41	3.02E-02	9.52E-06	2.77E-06	3.26E-02	1.03E-05	2.99E-06	5.25E-02	1.66E-05	4.82E-06
315	488769.93, 3858449.27	2.28E-02	7.18E-06	2.09E-06	2.45E-02	7.74E-06	2.25E-06	3.83E-02	1.21E-05	3.52E-06
316	488819.93, 3858449.27	2.19E-02	6.93E-06	2.01E-06	2.36E-02	7.46E-06	2.17E-06	3.70E-02	1.17E-05	3.40E-06
317	488819.93, 3858499.27	2.08E-02	6.56E-06	1.91E-06	2.24E-02	7.06E-06	2.05E-06	3.46E-02	1.09E-05	3.17E-06
318	488869.93, 3858499.27	2.01E-02	6.36E-06	1.85E-06	2.17E-02	6.84E-06	1.99E-06	3.35E-02	1.06E-05	3.08E-06
319	488869.93, 3858549.27	1.92E-02	6.05E-06	1.76E-06	2.06E-02	6.49E-06	1.89E-06	3.14E-02	9.90E-06	2.88E-06
320	489438.17, 3859571.48	4.45E-03	1.41E-06	4.09E-07	4.80E-03	1.51E-06	4.41E-07	7.52E-03	2.37E-06	6.90E-07
321	489488.17, 3859571.48	4.43E-03	1.40E-06	4.07E-07	4.77E-03	1.51E-06	4.38E-07	7.48E-03	2.36E-06	6.87E-07
322	489538.17, 3859571.48	4.41E-03	1.39E-06	4.05E-07	4.75E-03	1.50E-06	4.36E-07	7.45E-03	2.35E-06	6.84E-07
323	489588.17, 3859571.48	4.39E-03	1.39E-06	4.03E-07	4.73E-03	1.49E-06	4.34E-07	7.41E-03	2.34E-06	6.81E-07
324	489438.17, 3859621.48	4.30E-03	1.36E-06	3.95E-07	4.63E-03	1.46E-06	4.25E-07	7.26E-03	2.29E-06	6.67E-07
325	489488.17, 3859621.48	4.27E-03	1.35E-06	3.92E-07	4.61E-03	1.45E-06	4.23E-07	7.22E-03	2.28E-06	6.63E-07
326	489538.17, 3859621.48	4.25E-03	1.34E-06	3.90E-07	4.58E-03	1.45E-06	4.21E-07	7.18E-03	2.27E-06	6.60E-07
327	489588.17, 3859621.48	4.23E-03	1.34E-06	3.89E-07	4.56E-03	1.44E-06	4.19E-07	7.16E-03	2.26E-06	6.57E-07
328	489238.17, 3859671.48	4.23E-03	1.34E-06	3.89E-07	4.56E-03	1.44E-06	4.19E-07	7.16E-03	2.26E-06	6.57E-07
329	489288.17, 3859671.48	4.22E-03	1.33E-06	3.87E-07	4.55E-03	1.43E-06	4.17E-07	7.13E-03	2.25E-06	6.54E-07
330	489338.17, 3859671.48	4.20E-03	1.33E-06	3.86E-07	4.53E-03	1.43E-06	4.16E-07	7.10E-03	2.24E-06	6.52E-07
331	489388.17, 3859671.48	4.19E-03	1.32E-06	3.84E-07	4.51E-03	1.42E-06	4.14E-07	7.08E-03	2.23E-06	6.50E-07
332	489438.17, 3859671.48	4.16E-03	1.31E-06	3.82E-07	4.48E-03	1.41E-06	4.12E-07	7.03E-03	2.22E-06	6.46E-07
333	489488.17, 3859671.48	4.14E-03	1.31E-06	3.80E-07	4.46E-03	1.41E-06	4.10E-07	7.00E-03	2.21E-06	6.43E-07
334	489538.17, 3859671.48	4.12E-03	1.30E-06	3.78E-07	4.44E-03	1.40E-06	4.07E-07	6.97E-03	2.20E-06	6.40E-07
335	489588.17, 3859671.48	4.10E-03	1.29E-06	3.76E-07	4.42E-03	1.39E-06	4.05E-07	6.93E-03	2.19E-06	6.36E-07
336	489238.17, 3859721.48	4.09E-03	1.29E-06	3.76E-07	4.41E-03	1.39E-06	4.05E-07	6.92E-03	2.18E-06	6.35E-07
337	489288.17, 3859721.48	4.09E-03	1.29E-06	3.75E-07	4.40E-03	1.39E-06	4.04E-07	6.91E-03	2.18E-06	6.35E-07
338	489338.17, 3859721.48	4.07E-03	1.29E-06	3.74E-07	4.39E-03	1.39E-06	4.03E-07	6.89E-03	2.17E-06	6.32E-07
339	489388.17, 3859721.48	4.05E-03	1.28E-06	3.72E-07	4.37E-03	1.38E-06	4.01E-07	6.86E-03	2.17E-06	6.30E-07
340	489438.17, 3859721.48	4.03E-03	1.27E-06	3.70E-07	4.35E-03	1.37E-06	3.99E-07	6.82E-03	2.15E-06	6.26E-07
341	489488.17, 3859721.48	4.02E-03	1.27E-06	3.69E-07	4.33E-03	1.37E-06	3.97E-07	6.80E-03	2.15E-06	6.24E-07
342	489538.17, 3859721.48	3.99E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.95E-07	6.76E-03	2.13E-06	6.21E-07
343	489588.17, 3859721.48	3.97E-03	1.25E-06	3.65E-07	4.28E-03	1.35E-06	3.93E-07	6.73E-03	2.12E-06	6.18E-07
344	489238.17, 3859771.48	3.96E-03	1.25E-06	3.64E-07	4.27E-03	1.35E-06	3.92E-07	6.70E-03	2.11E-06	6.15E-07
345	489288.17, 3859771.48	3.96E-03	1.25E-06	3.63E-07	4.26E-03	1.35E-06	3.91E-07	6.70E-03	2.11E-06	6.15E-07
346	489338.17, 3859771.48	3.94E-03	1.24E-06	3.62E-07	4.25E-03	1.34E-06	3.90E-07	6.67E-03	2.11E-06	6.13E-07
347	489388.17, 3859771.48	3.93E-03	1.24E-06	3.61E-07	4.24E-03	1.34E-06	3.89E-07	6.65E-03	2.10E-06	6.11E-07
348	489438.17, 3859771.48	3.91E-03	1.23E-06	3.59E-07	4.21E-03	1.33E-06	3.87E-07	6.62E-03	2.09E-06	6.08E-07
349	489488.17, 3859771.48	3.90E-03	1.23E-06	3.58E-07	4.20E-03	1.33E-06	3.86E-07	6.61E-03	2.08E-06	6.06E-07
350	489538.17, 3859771.48	3.88E-03	1.23E-06	3.56E-07	4.19E-03	1.32E-06	3.84E-07	6.58E-03	2.08E-06	6.04E-07
351	489588.17, 3859771.48	3.86E-03	1.22E-06	3.54E-07	4.16E-03	1.31E-06	3.82E-07	6.54E-03	2.06E-06	6.01E-07
352	489238.17, 3859821.48	3.83E-03	1.21E-06	3.52E-07	4.13E-03	1.30E-06	3.79E-07	6.48E-03	2.05E-06	5.95E-07
353	489288.17, 3859821.48	3.83E-03	1.21E-06	3.52E-07	4.13E-03	1.30E-06	3.79E-07	6.49E-03	2.05E-06	5.96E-07
354	489338.17, 3859821.48	3.82E-03	1.21E-06	3.51E-07	4.12E-03	1.30E-06	3.78E-07	6.47E-03	2.04E-06	5.94E-07
355	489388.17, 3859821.48	3.81E-03	1.20E-06	3.50E-07	4.11E-03	1.30E-06	3.77E-07	6.46E-03	2.04E-06	5.93E-07
356	489438.17, 3859821.48	3.80E-03	1.20E-06	3.49E-07	4.10E-03	1.29E-06	3.76E-07	6.45E-03	2.03E-06	5.92E-07
357	489488.17, 3859821.48	3.79E-03	1.20E-06	3.48E-07	4.09E-03	1.29E-06	3.75E-07	6.43E-03	2.03E-06	5.90E-07
358	489538.17, 3859821.48	3.78E-03	1.19E-06	3.47E-07	4.07E-03	1.29E-06	3.74E-07	6.40E-03	2.02E-06	5.88E-07
359	489588.17, 3859821.48	3.76E-03	1.19E-06	3.45E-07	4.05E-03	1.28E-06	3.72E-07	6.37E-03	2.01E-06	5.85E-07
360	489238.17, 3859871.48	3.71E-03	1.17E-06	3.40E-07	4.00E-03	1.26E-06	3.67E-07	6.28E-03	1.98E-06	5.77E-07
361	489288.17, 3859871.48	3.71E-03	1.17E-06	3.40E-07	4.00E-03	1.26E-06	3.67E-07	6.28E-03	1.98E-06	5.77E-07
362	489338.17, 3859871.48	3.70E-03	1.17E-06	3.40E-07	3.99E-03	1.26E-06	3.67E-07	6.28E-03	1.98E-06	5.76E-07

363	489388.17, 3859871.48	3.70E-03	1.17E-06	3.40E-07	3.99E-03	1.26E-06	3.66E-07	6.28E-03	1.98E-06	5.76E-07
364	489438.17, 3859871.48	3.70E-03	1.17E-06	3.40E-07	3.99E-03	1.26E-06	3.66E-07	6.28E-03	1.98E-06	5.76E-07
365	489488.17, 3859871.48	3.70E-03	1.17E-06	3.39E-07	3.99E-03	1.26E-06	3.66E-07	6.27E-03	1.98E-06	5.76E-07
366	489538.17, 3859871.48	3.68E-03	1.16E-06	3.38E-07	3.97E-03	1.25E-06	3.64E-07	6.24E-03	1.97E-06	5.73E-07
367	489588.17, 3859871.48	3.66E-03	1.16E-06	3.36E-07	3.95E-03	1.25E-06	3.62E-07	6.21E-03	1.96E-06	5.70E-07
368	489238.17, 3859921.48	3.59E-03	1.13E-06	3.30E-07	3.87E-03	1.22E-06	3.56E-07	6.09E-03	1.92E-06	5.59E-07
369	489288.17, 3859921.48	3.60E-03	1.14E-06	3.31E-07	3.88E-03	1.22E-06	3.56E-07	6.10E-03	1.93E-06	5.60E-07
370	489338.17, 3859921.48	3.60E-03	1.14E-06	3.30E-07	3.88E-03	1.22E-06	3.56E-07	6.10E-03	1.93E-06	5.60E-07
371	489388.17, 3859921.48	3.60E-03	1.14E-06	3.31E-07	3.88E-03	1.23E-06	3.57E-07	6.11E-03	1.93E-06	5.61E-07
372	489438.17, 3859921.48	3.61E-03	1.14E-06	3.31E-07	3.89E-03	1.23E-06	3.57E-07	6.12E-03	1.93E-06	5.62E-07
373	489488.17, 3859921.48	3.60E-03	1.14E-06	3.30E-07	3.88E-03	1.22E-06	3.56E-07	6.11E-03	1.93E-06	5.61E-07
374	489538.17, 3859921.48	3.59E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.09E-03	1.92E-06	5.59E-07
375	489588.17, 3859921.48	3.57E-03	1.13E-06	3.28E-07	3.85E-03	1.22E-06	3.54E-07	6.07E-03	1.92E-06	5.57E-07
376	489238.17, 3859971.48	3.49E-03	1.10E-06	3.20E-07	3.76E-03	1.19E-06	3.45E-07	5.91E-03	1.87E-06	5.43E-07
377	489288.17, 3859971.48	3.49E-03	1.10E-06	3.21E-07	3.76E-03	1.19E-06	3.46E-07	5.92E-03	1.87E-06	5.44E-07
378	489338.17, 3859971.48	3.50E-03	1.10E-06	3.21E-07	3.77E-03	1.19E-06	3.46E-07	5.93E-03	1.87E-06	5.45E-07
379	489388.17, 3859971.48	3.50E-03	1.11E-06	3.22E-07	3.78E-03	1.19E-06	3.47E-07	5.95E-03	1.88E-06	5.46E-07
380	489438.17, 3859971.48	3.51E-03	1.11E-06	3.22E-07	3.79E-03	1.20E-06	3.48E-07	5.97E-03	1.88E-06	5.48E-07
381	489488.17, 3859971.48	3.51E-03	1.11E-06	3.23E-07	3.79E-03	1.20E-06	3.48E-07	5.98E-03	1.89E-06	5.49E-07
382	489538.17, 3859971.48	3.51E-03	1.11E-06	3.22E-07	3.78E-03	1.19E-06	3.47E-07	5.97E-03	1.88E-06	5.48E-07
383	489588.17, 3859971.48	3.49E-03	1.10E-06	3.21E-07	3.77E-03	1.19E-06	3.46E-07	5.95E-03	1.88E-06	5.46E-07
384	483577.7, 3854071	1.45E-02	4.58E-06	1.33E-06	1.58E-02	4.98E-06	1.45E-06	2.64E-02	8.32E-06	2.42E-06
385	483627.7, 3854071	1.38E-02	4.35E-06	1.27E-06	1.50E-02	4.73E-06	1.38E-06	2.50E-02	7.90E-06	2.30E-06
386	483677.7, 3854071	1.31E-02	4.12E-06	1.20E-06	1.42E-02	4.48E-06	1.30E-06	2.37E-02	7.47E-06	2.17E-06
387	483727.7, 3854071	1.24E-02	3.91E-06	1.14E-06	1.35E-02	4.25E-06	1.24E-06	2.24E-02	7.07E-06	2.06E-06
388	483777.7, 3854071	1.16E-02	3.66E-06	1.06E-06	1.26E-02	3.97E-06	1.16E-06	2.09E-02	6.59E-06	1.92E-06
389	483577.7, 3854121	1.60E-02	5.06E-06	1.47E-06	1.75E-02	5.51E-06	1.60E-06	2.94E-02	9.26E-06	2.69E-06
390	483627.7, 3854121	1.50E-02	4.75E-06	1.38E-06	1.64E-02	5.17E-06	1.50E-06	2.75E-02	8.67E-06	2.52E-06
391	483677.7, 3854121	1.40E-02	4.42E-06	1.29E-06	1.52E-02	4.81E-06	1.40E-06	2.55E-02	8.04E-06	2.34E-06
392	483727.7, 3854121	1.30E-02	4.10E-06	1.19E-06	1.41E-02	4.46E-06	1.30E-06	2.36E-02	7.44E-06	2.16E-06
393	483777.7, 3854121	1.23E-02	3.88E-06	1.13E-06	1.33E-02	4.21E-06	1.23E-06	2.22E-02	7.01E-06	2.04E-06
394	483577.7, 3854171	1.72E-02	5.44E-06	1.58E-06	1.88E-02	5.93E-06	1.72E-06	3.17E-02	9.99E-06	2.91E-06
395	483627.7, 3854171	1.59E-02	5.00E-06	1.46E-06	1.73E-02	5.45E-06	1.58E-06	2.90E-02	9.15E-06	2.66E-06
396	483677.7, 3854171	1.48E-02	4.66E-06	1.36E-06	1.61E-02	5.07E-06	1.48E-06	2.69E-02	8.50E-06	2.47E-06
397	483727.7, 3854171	1.39E-02	4.38E-06	1.28E-06	1.51E-02	4.77E-06	1.39E-06	2.53E-02	7.97E-06	2.32E-06
398	483777.7, 3854171	1.30E-02	4.11E-06	1.19E-06	1.41E-02	4.46E-06	1.30E-06	2.36E-02	7.45E-06	2.17E-06
399	483827.7, 3854171	1.20E-02	3.78E-06	1.10E-06	1.30E-02	4.10E-06	1.19E-06	2.16E-02	6.83E-06	1.99E-06
400	483877.7, 3854171	1.13E-02	3.58E-06	1.04E-06	1.23E-02	3.89E-06	1.13E-06	2.05E-02	6.46E-06	1.88E-06
401	483727.7, 3854221	1.49E-02	4.71E-06	1.37E-06	1.62E-02	5.12E-06	1.49E-06	2.71E-02	8.57E-06	2.49E-06
402	483777.7, 3854221	1.39E-02	4.38E-06	1.27E-06	1.51E-02	4.77E-06	1.39E-06	2.52E-02	7.96E-06	2.31E-06
403	483827.7, 3854221	1.34E-02	4.21E-06	1.23E-06	1.45E-02	4.58E-06	1.33E-06	2.42E-02	7.63E-06	2.22E-06
404	483877.7, 3854221	1.24E-02	3.92E-06	1.14E-06	1.35E-02	4.26E-06	1.24E-06	2.24E-02	7.08E-06	2.06E-06
405	489150.19, 3858726.45	1.44E-02	4.53E-06	1.32E-06	1.53E-02	4.84E-06	1.41E-06	2.27E-02	7.16E-06	2.08E-06
406	489200.19, 3858726.45	1.40E-02	4.40E-06	1.28E-06	1.49E-02	4.71E-06	1.37E-06	2.22E-02	7.01E-06	2.04E-06
407	489150.19, 3858776.45	1.38E-02	4.36E-06	1.27E-06	1.47E-02	4.65E-06	1.35E-06	2.15E-02	6.79E-06	1.97E-06
408	489200.19, 3858776.45	1.34E-02	4.22E-06	1.23E-06	1.43E-02	4.51E-06	1.31E-06	2.10E-02	6.64E-06	1.93E-06
409	488919.6, 3856400.76	1.64E-02	5.18E-06	1.51E-06	1.77E-02	5.59E-06	1.63E-06	2.83E-02	8.93E-06	2.60E-06
410	488919.6, 3856450.76	1.68E-02	5.29E-06	1.54E-06	1.81E-02	5.71E-06	1.66E-06	2.89E-02	9.12E-06	2.65E-06
411	488969.6, 3856450.76	1.65E-02	5.21E-06	1.52E-06	1.78E-02	5.63E-06	1.64E-06	2.85E-02	9.00E-06	2.62E-06
412	488919.6, 3856500.76	1.71E-02	5.40E-06	1.57E-06	1.85E-02	5.83E-06	1.70E-06	2.95E-02	9.32E-06	2.71E-06
413	488969.6, 3856500.76	1.69E-02	5.33E-06	1.55E-06	1.82E-02	5.76E-06	1.67E-06	2.91E-02	9.20E-06	2.67E-06
414	488919.6, 3856550.76	1.75E-02	5.52E-06	1.61E-06	1.89E-02	5.96E-06	1.73E-06	3.02E-02	9.53E-06	2.77E-06
415	488969.6, 3856550.76	1.72E-02	5.44E-06	1.58E-06	1.86E-02	5.88E-06	1.71E-06	2.98E-02	9.39E-06	2.73E-06
416	488819.6, 3856600.76	1.84E-02	5.80E-06	1.69E-06	1.98E-02	6.26E-06	1.82E-06	3.17E-02	1.00E-05	2.91E-06
417	488869.6, 3856600.76	1.81E-02	5.71E-06	1.66E-06	1.95E-02	6.17E-06	1.79E-06	3.12E-02	9.86E-06	2.87E-06
418	488919.6, 3856600.76	1.78E-02	5.63E-06	1.64E-06	1.93E-02	6.08E-06	1.77E-06	3.08E-02	9.72E-06	2.83E-06
419	488819.6, 3856650.76	1.88E-02	5.92E-06	1.72E-06	2.03E-02	6.39E-06	1.86E-06	3.24E-02	1.02E-05	2.97E-06
420	488869.6, 3856650.76	1.85E-02	5.83E-06	1.70E-06	2.00E-02	6.30E-06	1.83E-06	3.19E-02	1.01E-05	2.93E-06
421	488819.6, 3856700.76	1.91E-02	6.04E-06	1.76E-06	2.07E-02	6.53E-06	1.90E-06	3.31E-02	1.04E-05	3.04E-06
422	488869.6, 3856700.76	1.88E-02	5.95E-06	1.73E-06	2.04E-02	6.43E-06	1.87E-06	3.26E-02	1.03E-05	2.99E-06
423	488819.6, 3856750.76	1.95E-02	6.16E-06	1.79E-06	2.11E-02	6.66E-06	1.94E-06	3.37E-02	1.06E-05	3.10E-06

424	488869.6, 3856750.76	1.92E-02	6.07E-06	1.77E-06	2.08E-02	6.56E-06	1.91E-06	3.32E-02	1.05E-05	3.05E-06
425	488819.6, 3857050.76	2.19E-02	6.93E-06	2.01E-06	2.37E-02	7.49E-06	2.18E-06	3.80E-02	1.20E-05	3.49E-06
426	488869.6, 3857050.76	2.16E-02	6.80E-06	1.98E-06	2.33E-02	7.35E-06	2.14E-06	3.73E-02	1.18E-05	3.43E-06
427	488919.6, 3857050.76	2.12E-02	6.68E-06	1.94E-06	2.29E-02	7.22E-06	2.10E-06	3.67E-02	1.16E-05	3.37E-06
428	488819.6, 3857100.76	2.23E-02	7.05E-06	2.05E-06	2.41E-02	7.62E-06	2.22E-06	3.87E-02	1.22E-05	3.55E-06
429	488869.6, 3857100.76	2.19E-02	6.92E-06	2.01E-06	2.37E-02	7.48E-06	2.18E-06	3.80E-02	1.20E-05	3.49E-06
430	488919.6, 3857100.76	2.15E-02	6.79E-06	1.98E-06	2.33E-02	7.34E-06	2.14E-06	3.73E-02	1.18E-05	3.42E-06
431	488819.6, 3857150.76	2.27E-02	7.17E-06	2.09E-06	2.46E-02	7.75E-06	2.25E-06	3.94E-02	1.24E-05	3.62E-06
432	488869.6, 3857150.76	2.23E-02	7.03E-06	2.05E-06	2.41E-02	7.60E-06	2.21E-06	3.86E-02	1.22E-05	3.55E-06
433	488919.6, 3857150.76	2.19E-02	6.90E-06	2.01E-06	2.36E-02	7.46E-06	2.17E-06	3.79E-02	1.20E-05	3.48E-06
434	488969.6, 3857150.76	2.15E-02	6.78E-06	1.97E-06	2.32E-02	7.32E-06	2.13E-06	3.72E-02	1.18E-05	3.42E-06
435	488819.6, 3857200.76	2.31E-02	7.29E-06	2.12E-06	2.50E-02	7.88E-06	2.29E-06	4.01E-02	1.26E-05	3.68E-06
436	488869.6, 3857200.76	2.27E-02	7.15E-06	2.08E-06	2.45E-02	7.73E-06	2.25E-06	3.93E-02	1.24E-05	3.61E-06
437	488919.6, 3857200.76	2.22E-02	7.01E-06	2.04E-06	2.40E-02	7.58E-06	2.20E-06	3.85E-02	1.22E-05	3.54E-06
438	488969.6, 3857200.76	2.18E-02	6.88E-06	2.00E-06	2.36E-02	7.44E-06	2.16E-06	3.78E-02	1.19E-05	3.47E-06
439	488819.6, 3857250.76	2.35E-02	7.41E-06	2.16E-06	2.54E-02	8.01E-06	2.33E-06	4.07E-02	1.29E-05	3.74E-06
440	488869.6, 3857250.76	2.30E-02	7.26E-06	2.11E-06	2.49E-02	7.85E-06	2.28E-06	3.99E-02	1.26E-05	3.67E-06
441	488919.6, 3857250.76	2.26E-02	7.12E-06	2.07E-06	2.44E-02	7.70E-06	2.24E-06	3.91E-02	1.24E-05	3.59E-06
442	488969.6, 3857250.76	2.21E-02	6.98E-06	2.03E-06	2.39E-02	7.55E-06	2.20E-06	3.84E-02	1.21E-05	3.52E-06
443	488819.6, 3857300.76	2.38E-02	7.53E-06	2.19E-06	2.58E-02	8.14E-06	2.37E-06	4.14E-02	1.31E-05	3.80E-06
444	488869.6, 3857300.76	2.34E-02	7.37E-06	2.14E-06	2.52E-02	7.97E-06	2.32E-06	4.05E-02	1.28E-05	3.72E-06
445	488919.6, 3857300.76	2.29E-02	7.22E-06	2.10E-06	2.47E-02	7.81E-06	2.27E-06	3.97E-02	1.25E-05	3.65E-06
446	488819.6, 3857450.76	2.49E-02	7.85E-06	2.28E-06	2.69E-02	8.49E-06	2.47E-06	4.32E-02	1.36E-05	3.97E-06
447	488869.6, 3857450.76	2.43E-02	7.68E-06	2.23E-06	2.63E-02	8.30E-06	2.41E-06	4.23E-02	1.33E-05	3.88E-06
448	488919.6, 3857450.76	2.38E-02	7.51E-06	2.18E-06	2.57E-02	8.12E-06	2.36E-06	4.13E-02	1.30E-05	3.79E-06
449	488819.6, 3857500.76	2.52E-02	7.95E-06	2.31E-06	2.73E-02	8.60E-06	2.50E-06	4.38E-02	1.38E-05	4.02E-06
450	488869.6, 3857500.76	2.46E-02	7.77E-06	2.26E-06	2.66E-02	8.40E-06	2.44E-06	4.28E-02	1.35E-05	3.93E-06
451	488919.6, 3857500.76	2.41E-02	7.59E-06	2.21E-06	2.60E-02	8.21E-06	2.39E-06	4.18E-02	1.32E-05	3.84E-06
452	488819.6, 3857550.76	2.55E-02	8.05E-06	2.34E-06	2.76E-02	8.71E-06	2.53E-06	4.44E-02	1.40E-05	4.07E-06
453	488869.6, 3857550.76	2.49E-02	7.86E-06	2.29E-06	2.69E-02	8.50E-06	2.47E-06	4.33E-02	1.37E-05	3.98E-06
454	488919.6, 3857550.76	2.43E-02	7.68E-06	2.23E-06	2.63E-02	8.30E-06	2.41E-06	4.23E-02	1.33E-05	3.88E-06
455	489663.71, 3860900.05	2.05E-03	6.48E-07	1.88E-07	2.21E-03	6.99E-07	2.03E-07	3.49E-03	1.10E-06	3.20E-07
456	489813.71, 3860900.05	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.04E-07	2.05E-07	3.52E-03	1.11E-06	3.23E-07
457	489863.71, 3860900.05	2.07E-03	6.54E-07	1.90E-07	2.24E-03	7.06E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
458	489913.71, 3860900.05	2.08E-03	6.57E-07	1.91E-07	2.24E-03	7.08E-07	2.06E-07	3.54E-03	1.12E-06	3.25E-07
459	489963.71, 3860900.05	2.08E-03	6.58E-07	1.91E-07	2.25E-03	7.09E-07	2.06E-07	3.55E-03	1.12E-06	3.26E-07
460	490013.71, 3860900.05	2.09E-03	6.61E-07	1.92E-07	2.26E-03	7.12E-07	2.07E-07	3.56E-03	1.12E-06	3.27E-07
461	490063.71, 3860900.05	2.10E-03	6.62E-07	1.93E-07	2.26E-03	7.14E-07	2.08E-07	3.57E-03	1.13E-06	3.28E-07
462	489663.71, 3860950.05	2.00E-03	6.33E-07	1.84E-07	2.16E-03	6.82E-07	1.98E-07	3.41E-03	1.07E-06	3.13E-07
463	489813.71, 3860950.05	2.02E-03	6.38E-07	1.85E-07	2.18E-03	6.88E-07	2.00E-07	3.44E-03	1.08E-06	3.15E-07
464	489863.71, 3860950.05	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.88E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
465	489913.71, 3860950.05	2.03E-03	6.41E-07	1.86E-07	2.19E-03	6.91E-07	2.01E-07	3.45E-03	1.09E-06	3.17E-07
466	489963.71, 3860950.05	2.03E-03	6.42E-07	1.87E-07	2.19E-03	6.92E-07	2.01E-07	3.46E-03	1.09E-06	3.18E-07
467	490013.71, 3860950.05	2.04E-03	6.44E-07	1.87E-07	2.20E-03	6.94E-07	2.02E-07	3.47E-03	1.10E-06	3.19E-07
468	490063.71, 3860950.05	2.05E-03	6.46E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.48E-03	1.10E-06	3.20E-07
469	489513.71, 3861000.05	1.95E-03	6.15E-07	1.79E-07	2.10E-03	6.63E-07	1.93E-07	3.31E-03	1.04E-06	3.04E-07
470	489563.71, 3861000.05	1.95E-03	6.16E-07	1.79E-07	2.10E-03	6.64E-07	1.93E-07	3.31E-03	1.05E-06	3.04E-07
471	489613.71, 3861000.05	1.96E-03	6.17E-07	1.79E-07	2.11E-03	6.65E-07	1.94E-07	3.32E-03	1.05E-06	3.05E-07
472	489663.71, 3861000.05	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.67E-07	1.94E-07	3.33E-03	1.05E-06	3.06E-07
473	489713.71, 3861000.05	1.96E-03	6.19E-07	1.80E-07	2.12E-03	6.68E-07	1.94E-07	3.33E-03	1.05E-06	3.06E-07
474	489763.71, 3861000.05	1.97E-03	6.20E-07	1.80E-07	2.12E-03	6.69E-07	1.95E-07	3.34E-03	1.05E-06	3.07E-07
475	489813.71, 3861000.05	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.72E-07	1.95E-07	3.36E-03	1.06E-06	3.08E-07
476	489863.71, 3861000.05	1.98E-03	6.24E-07	1.81E-07	2.13E-03	6.72E-07	1.96E-07	3.36E-03	1.06E-06	3.08E-07
477	489913.71, 3861000.05	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.37E-03	1.06E-06	3.10E-07
478	489963.71, 3861000.05	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.76E-07	1.97E-07	3.38E-03	1.07E-06	3.10E-07
479	490013.71, 3861000.05	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.39E-03	1.07E-06	3.11E-07
480	490063.71, 3861000.05	2.00E-03	6.30E-07	1.83E-07	2.15E-03	6.79E-07	1.98E-07	3.40E-03	1.07E-06	3.12E-07
481	489513.71, 3861050.05	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.24E-03	1.02E-06	2.97E-07
482	489563.71, 3861050.05	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.50E-07	1.89E-07	3.24E-03	1.02E-06	2.98E-07
483	489613.71, 3861050.05	1.91E-03	6.04E-07	1.76E-07	2.06E-03	6.52E-07	1.90E-07	3.25E-03	1.03E-06	2.99E-07
484	489663.71, 3861050.05	1.92E-03	6.04E-07	1.76E-07	2.07E-03	6.52E-07	1.90E-07	3.25E-03	1.03E-06	2.99E-07

485	489713.71, 3861050.05	1.92E-03	6.05E-07	1.76E-07	2.07E-03	6.52E-07	1.90E-07	3.26E-03	1.03E-06	2.99E-07
486	489763.71, 3861050.05	1.92E-03	6.06E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.27E-03	1.03E-06	3.00E-07
487	489813.71, 3861050.05	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.28E-03	1.03E-06	3.01E-07
488	489863.71, 3861050.05	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.28E-03	1.04E-06	3.01E-07
489	489913.71, 3861050.05	1.93E-03	6.11E-07	1.78E-07	2.09E-03	6.58E-07	1.92E-07	3.29E-03	1.04E-06	3.02E-07
490	489963.71, 3861050.05	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.30E-03	1.04E-06	3.03E-07
491	490013.71, 3861050.05	1.95E-03	6.14E-07	1.79E-07	2.10E-03	6.62E-07	1.93E-07	3.31E-03	1.04E-06	3.04E-07
492	490063.71, 3861050.05	1.95E-03	6.15E-07	1.79E-07	2.10E-03	6.64E-07	1.93E-07	3.32E-03	1.05E-06	3.05E-07
493	489513.71, 3861100.05	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.36E-07	1.85E-07	3.17E-03	1.00E-06	2.91E-07
494	489563.71, 3861100.05	1.87E-03	5.89E-07	1.71E-07	2.01E-03	6.36E-07	1.85E-07	3.17E-03	1.00E-06	2.91E-07
495	489613.71, 3861100.05	1.87E-03	5.89E-07	1.71E-07	2.01E-03	6.35E-07	1.85E-07	3.17E-03	1.00E-06	2.91E-07
496	489663.71, 3861100.05	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.36E-07	1.85E-07	3.17E-03	1.00E-06	2.91E-07
497	489713.71, 3861100.05	1.87E-03	5.91E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.18E-03	1.00E-06	2.92E-07
498	489763.71, 3861100.05	1.88E-03	5.92E-07	1.72E-07	2.02E-03	6.39E-07	1.86E-07	3.19E-03	1.01E-06	2.93E-07
499	489813.71, 3861100.05	1.88E-03	5.94E-07	1.73E-07	2.03E-03	6.40E-07	1.86E-07	3.20E-03	1.01E-06	2.94E-07
500	489863.71, 3861100.05	1.89E-03	5.96E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.21E-03	1.01E-06	2.95E-07
501	489913.71, 3861100.05	1.89E-03	5.96E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.21E-03	1.01E-06	2.95E-07
502	489963.71, 3861100.05	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.22E-03	1.02E-06	2.96E-07
503	490013.71, 3861100.05	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.46E-07	1.88E-07	3.23E-03	1.02E-06	2.96E-07
504	490063.71, 3861100.05	1.90E-03	6.00E-07	1.75E-07	2.05E-03	6.48E-07	1.88E-07	3.24E-03	1.02E-06	2.97E-07
505	489713.71, 3861150.05	1.83E-03	5.78E-07	1.68E-07	1.97E-03	6.23E-07	1.81E-07	3.11E-03	9.82E-07	2.86E-07
506	489763.71, 3861150.05	1.83E-03	5.79E-07	1.68E-07	1.98E-03	6.24E-07	1.82E-07	3.12E-03	9.84E-07	2.86E-07
507	489813.71, 3861150.05	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.13E-03	9.87E-07	2.87E-07
508	489863.71, 3861150.05	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.27E-07	1.82E-07	3.13E-03	9.89E-07	2.88E-07
509	489913.71, 3861150.05	1.85E-03	5.83E-07	1.69E-07	1.99E-03	6.28E-07	1.83E-07	3.14E-03	9.91E-07	2.88E-07
510	489963.71, 3861150.05	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.15E-03	9.93E-07	2.89E-07
511	490013.71, 3861150.05	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.30E-07	1.83E-07	3.15E-03	9.95E-07	2.89E-07
512	490063.71, 3861150.05	1.86E-03	5.86E-07	1.71E-07	2.00E-03	6.32E-07	1.84E-07	3.16E-03	9.98E-07	2.90E-07
513	489613.71, 3861200.05	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.07E-07	1.76E-07	3.03E-03	9.56E-07	2.78E-07
514	489663.71, 3861200.05	1.79E-03	5.64E-07	1.64E-07	1.93E-03	6.08E-07	1.77E-07	3.04E-03	9.58E-07	2.79E-07
515	489713.71, 3861200.05	1.79E-03	5.65E-07	1.64E-07	1.93E-03	6.09E-07	1.77E-07	3.04E-03	9.60E-07	2.79E-07
516	489763.71, 3861200.05	1.79E-03	5.66E-07	1.65E-07	1.93E-03	6.11E-07	1.78E-07	3.05E-03	9.62E-07	2.80E-07
517	489813.71, 3861200.05	1.80E-03	5.68E-07	1.65E-07	1.94E-03	6.12E-07	1.78E-07	3.06E-03	9.65E-07	2.81E-07
518	489863.71, 3861200.05	1.80E-03	5.69E-07	1.66E-07	1.94E-03	6.14E-07	1.79E-07	3.07E-03	9.68E-07	2.81E-07
519	489913.71, 3861200.05	1.81E-03	5.70E-07	1.66E-07	1.95E-03	6.15E-07	1.79E-07	3.07E-03	9.69E-07	2.82E-07
520	489963.71, 3861200.05	1.81E-03	5.71E-07	1.66E-07	1.95E-03	6.15E-07	1.79E-07	3.08E-03	9.71E-07	2.82E-07
521	490013.71, 3861200.05	1.81E-03	5.72E-07	1.66E-07	1.95E-03	6.17E-07	1.79E-07	3.08E-03	9.73E-07	2.83E-07
522	490063.71, 3861200.05	1.82E-03	5.73E-07	1.67E-07	1.96E-03	6.18E-07	1.80E-07	3.09E-03	9.75E-07	2.84E-07
523	489513.71, 3861250.05	1.74E-03	5.49E-07	1.60E-07	1.87E-03	5.92E-07	1.72E-07	2.95E-03	9.31E-07	2.71E-07
524	489563.71, 3861250.05	1.74E-03	5.50E-07	1.60E-07	1.88E-03	5.93E-07	1.73E-07	2.96E-03	9.34E-07	2.72E-07
525	489613.71, 3861250.05	1.75E-03	5.51E-07	1.60E-07	1.88E-03	5.94E-07	1.73E-07	2.97E-03	9.36E-07	2.72E-07
526	489663.71, 3861250.05	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.95E-07	1.73E-07	2.97E-03	9.38E-07	2.73E-07
527	489713.71, 3861250.05	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.96E-07	1.73E-07	2.98E-03	9.40E-07	2.73E-07
528	489763.71, 3861250.05	1.76E-03	5.54E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	2.98E-03	9.42E-07	2.74E-07
529	489813.71, 3861250.05	1.76E-03	5.55E-07	1.62E-07	1.90E-03	5.99E-07	1.74E-07	2.99E-03	9.44E-07	2.75E-07
530	489863.71, 3861250.05	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	3.00E-03	9.46E-07	2.75E-07
531	489913.71, 3861250.05	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.02E-07	1.75E-07	3.01E-03	9.48E-07	2.76E-07
532	489963.71, 3861250.05	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.03E-07	1.75E-07	3.01E-03	9.50E-07	2.76E-07
533	490013.71, 3861250.05	1.77E-03	5.60E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.02E-03	9.52E-07	2.77E-07
534	490063.71, 3861250.05	1.78E-03	5.60E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.02E-03	9.53E-07	2.77E-07
535	489528.13, 3861308.47	1.70E-03	5.36E-07	1.56E-07	1.83E-03	5.77E-07	1.68E-07	2.88E-03	9.09E-07	2.64E-07
536	489578.13, 3861308.47	1.70E-03	5.37E-07	1.56E-07	1.83E-03	5.79E-07	1.68E-07	2.89E-03	9.11E-07	2.65E-07
537	489628.13, 3861308.47	1.70E-03	5.38E-07	1.56E-07	1.84E-03	5.80E-07	1.69E-07	2.89E-03	9.13E-07	2.66E-07
538	489678.13, 3861308.47	1.71E-03	5.39E-07	1.57E-07	1.84E-03	5.81E-07	1.69E-07	2.90E-03	9.15E-07	2.66E-07
539	489728.13, 3861308.47	1.71E-03	5.40E-07	1.57E-07	1.85E-03	5.82E-07	1.69E-07	2.91E-03	9.18E-07	2.67E-07
540	489778.13, 3861308.47	1.71E-03	5.41E-07	1.57E-07	1.85E-03	5.83E-07	1.70E-07	2.91E-03	9.19E-07	2.67E-07
541	489678.13, 3861358.47	1.67E-03	5.28E-07	1.54E-07	1.80E-03	5.69E-07	1.66E-07	2.84E-03	8.96E-07	2.61E-07
542	489728.13, 3861358.47	1.68E-03	5.29E-07	1.54E-07	1.81E-03	5.70E-07	1.66E-07	2.85E-03	8.98E-07	2.61E-07
543	489528.13, 3861408.47	1.63E-03	5.14E-07	1.49E-07	1.76E-03	5.54E-07	1.61E-07	2.76E-03	8.72E-07	2.54E-07
544	489578.13, 3861408.47	1.63E-03	5.15E-07	1.50E-07	1.76E-03	5.55E-07	1.61E-07	2.77E-03	8.74E-07	2.54E-07
545	489628.13, 3861408.47	1.64E-03	5.17E-07	1.50E-07	1.77E-03	5.57E-07	1.62E-07	2.78E-03	8.77E-07	2.55E-07

546	489678.13, 3861408.47	1.64E-03	5.17E-07	1.50E-07	1.77E-03	5.58E-07	1.62E-07	2.78E-03	8.79E-07	2.56E-07
547	489728.13, 3861408.47	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.58E-07	1.62E-07	2.79E-03	8.80E-07	2.56E-07
548	489528.13, 3861458.47	1.60E-03	5.04E-07	1.47E-07	1.72E-03	5.43E-07	1.58E-07	2.71E-03	8.55E-07	2.49E-07
549	489578.13, 3861458.47	1.60E-03	5.05E-07	1.47E-07	1.73E-03	5.45E-07	1.58E-07	2.72E-03	8.57E-07	2.49E-07
550	489628.13, 3861458.47	1.60E-03	5.06E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.72E-03	8.59E-07	2.50E-07
551	489678.13, 3861458.47	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.73E-03	8.61E-07	2.50E-07
552	489728.13, 3861458.47	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.47E-07	1.59E-07	2.73E-03	8.61E-07	2.50E-07
553	489528.13, 3861508.47	1.57E-03	4.94E-07	1.44E-07	1.69E-03	5.33E-07	1.55E-07	2.66E-03	8.39E-07	2.44E-07
554	489578.13, 3861508.47	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.34E-07	1.55E-07	2.66E-03	8.40E-07	2.44E-07
555	489628.13, 3861508.47	1.57E-03	4.96E-07	1.44E-07	1.69E-03	5.35E-07	1.55E-07	2.67E-03	8.42E-07	2.45E-07
556	489678.13, 3861508.47	1.57E-03	4.96E-07	1.44E-07	1.70E-03	5.35E-07	1.56E-07	2.67E-03	8.43E-07	2.45E-07
557	489728.13, 3861508.47	1.57E-03	4.97E-07	1.44E-07	1.70E-03	5.36E-07	1.56E-07	2.67E-03	8.44E-07	2.45E-07
558	489628.13, 3861558.47	1.54E-03	4.87E-07	1.42E-07	1.66E-03	5.25E-07	1.53E-07	2.62E-03	8.26E-07	2.40E-07
559	489678.13, 3861558.47	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.62E-03	8.28E-07	2.41E-07
560	489728.13, 3861558.47	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.63E-03	8.29E-07	2.41E-07
561	489357.08, 3861015.81	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.55E-07	1.91E-07	3.27E-03	1.03E-06	3.00E-07
562	489407.08, 3861015.81	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.55E-07	1.91E-07	3.27E-03	1.03E-06	3.00E-07
563	489457.08, 3861015.81	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.27E-03	1.03E-06	3.00E-07
564	489357.08, 3861065.81	1.88E-03	5.95E-07	1.73E-07	2.03E-03	6.41E-07	1.86E-07	3.20E-03	1.01E-06	2.93E-07
565	489407.08, 3861065.81	1.88E-03	5.95E-07	1.73E-07	2.03E-03	6.41E-07	1.86E-07	3.20E-03	1.01E-06	2.93E-07
566	489457.08, 3861065.81	1.89E-03	5.96E-07	1.73E-07	2.03E-03	6.42E-07	1.87E-07	3.20E-03	1.01E-06	2.94E-07
567	489357.08, 3861115.81	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.27E-07	1.82E-07	3.13E-03	9.87E-07	2.87E-07
568	489407.08, 3861115.81	1.85E-03	5.83E-07	1.70E-07	1.99E-03	6.28E-07	1.83E-07	3.13E-03	9.89E-07	2.88E-07
569	489457.08, 3861115.81	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.14E-03	9.90E-07	2.88E-07
570	489407.08, 3861165.81	1.81E-03	5.71E-07	1.66E-07	1.95E-03	6.16E-07	1.79E-07	3.07E-03	9.69E-07	2.82E-07
571	489457.08, 3861165.81	1.81E-03	5.71E-07	1.66E-07	1.95E-03	6.16E-07	1.79E-07	3.07E-03	9.69E-07	2.82E-07
572	489407.08, 3861215.81	1.76E-03	5.57E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	2.99E-03	9.44E-07	2.75E-07
573	489457.08, 3861215.81	1.77E-03	5.57E-07	1.62E-07	1.90E-03	6.01E-07	1.75E-07	3.00E-03	9.46E-07	2.75E-07
574	489407.08, 3861265.81	1.72E-03	5.43E-07	1.58E-07	1.85E-03	5.85E-07	1.70E-07	2.92E-03	9.21E-07	2.68E-07
575	489457.08, 3861265.81	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.86E-07	1.71E-07	2.92E-03	9.23E-07	2.68E-07
576	489309.86, 3861110.14	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.27E-07	1.82E-07	3.13E-03	9.87E-07	2.87E-07
577	489407.08, 3861315.81	1.68E-03	5.31E-07	1.55E-07	1.81E-03	5.73E-07	1.67E-07	2.86E-03	9.01E-07	2.62E-07
578	489457.08, 3861315.81	1.69E-03	5.33E-07	1.55E-07	1.82E-03	5.74E-07	1.67E-07	2.86E-03	9.04E-07	2.63E-07
579	488906.03, 3861006.75	1.92E-03	6.07E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.26E-03	1.03E-06	2.99E-07
580	488956.03, 3861006.75	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.27E-03	1.03E-06	3.00E-07
581	488904.24, 3861051.87	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.23E-03	1.02E-06	2.97E-07
582	488954.24, 3861051.87	1.90E-03	6.00E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.22E-03	1.02E-06	2.96E-07
583	489004.24, 3861051.87	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.50E-07	1.89E-07	3.24E-03	1.02E-06	2.97E-07
584	488804.24, 3861101.87	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.30E-07	1.83E-07	3.13E-03	9.89E-07	2.88E-07
585	488854.24, 3861101.87	1.86E-03	5.86E-07	1.71E-07	2.00E-03	6.32E-07	1.84E-07	3.15E-03	9.93E-07	2.89E-07
586	488904.24, 3861101.87	1.84E-03	5.81E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.12E-03	9.84E-07	2.86E-07
587	488954.24, 3861101.87	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.25E-07	1.82E-07	3.11E-03	9.82E-07	2.86E-07
588	489004.24, 3861101.87	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.12E-03	9.83E-07	2.86E-07
589	488804.24, 3861151.87	1.79E-03	5.64E-07	1.64E-07	1.93E-03	6.08E-07	1.77E-07	3.02E-03	9.55E-07	2.78E-07
590	488854.24, 3861151.87	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.07E-07	1.77E-07	3.02E-03	9.54E-07	2.77E-07
591	489129.49, 3861187.55	1.77E-03	5.57E-07	1.62E-07	1.90E-03	6.01E-07	1.75E-07	2.99E-03	9.45E-07	2.75E-07
592	489179.49, 3861187.55	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.01E-07	1.75E-07	3.00E-03	9.46E-07	2.75E-07
593	488804.24, 3861201.87	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.95E-07	1.73E-07	2.96E-03	9.35E-07	2.72E-07
594	488854.24, 3861201.87	1.74E-03	5.50E-07	1.60E-07	1.88E-03	5.93E-07	1.72E-07	2.95E-03	9.32E-07	2.71E-07
595	489129.49, 3861237.55	1.73E-03	5.47E-07	1.59E-07	1.87E-03	5.90E-07	1.72E-07	2.94E-03	9.27E-07	2.70E-07
596	489179.49, 3861237.55	1.73E-03	5.46E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.93E-03	9.26E-07	2.69E-07
597	488804.24, 3861251.87	1.71E-03	5.41E-07	1.57E-07	1.85E-03	5.83E-07	1.70E-07	2.90E-03	9.16E-07	2.67E-07
598	488854.24, 3861251.87	1.71E-03	5.39E-07	1.57E-07	1.84E-03	5.81E-07	1.69E-07	2.89E-03	9.13E-07	2.66E-07
599	488804.24, 3861301.87	1.68E-03	5.29E-07	1.54E-07	1.81E-03	5.70E-07	1.66E-07	2.84E-03	8.96E-07	2.61E-07
600	488854.24, 3861301.87	1.67E-03	5.28E-07	1.54E-07	1.80E-03	5.69E-07	1.66E-07	2.83E-03	8.95E-07	2.60E-07
601	490943.5, 3860181.97	2.81E-03	8.88E-07	2.58E-07	3.03E-03	9.57E-07	2.78E-07	4.79E-03	1.51E-06	4.39E-07
602	490993.5, 3860181.97	2.82E-03	8.90E-07	2.59E-07	3.04E-03	9.60E-07	2.79E-07	4.80E-03	1.51E-06	4.40E-07
603	491043.5, 3860181.97	2.83E-03	8.93E-07	2.60E-07	3.05E-03	9.63E-07	2.80E-07	4.81E-03	1.52E-06	4.42E-07
604	491093.5, 3860181.97	2.83E-03	8.94E-07	2.60E-07	3.06E-03	9.64E-07	2.81E-07	4.82E-03	1.52E-06	4.43E-07
605	490943.5, 3860231.97	2.72E-03	8.57E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.62E-03	1.46E-06	4.25E-07
606	490993.5, 3860231.97	2.73E-03	8.61E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.64E-03	1.47E-06	4.26E-07

607	491043.5, 3860231.97	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.30E-07	2.70E-07	4.65E-03	1.47E-06	4.27E-07
608	491093.5, 3860231.97	2.73E-03	8.63E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.66E-03	1.47E-06	4.27E-07
609	490943.5, 3860281.97	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.48E-03	1.41E-06	4.11E-07
610	490993.5, 3860281.97	2.64E-03	8.32E-07	2.42E-07	2.84E-03	8.98E-07	2.61E-07	4.49E-03	1.42E-06	4.12E-07
611	491043.5, 3860281.97	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.50E-03	1.42E-06	4.13E-07
612	491093.5, 3860281.97	2.64E-03	8.35E-07	2.43E-07	2.85E-03	9.00E-07	2.62E-07	4.50E-03	1.42E-06	4.13E-07
613	490943.5, 3860331.97	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.34E-03	1.37E-06	3.99E-07
614	490993.5, 3860331.97	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.34E-03	1.37E-06	3.99E-07
615	491043.5, 3860331.97	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
616	491093.5, 3860331.97	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.70E-07	2.53E-07	4.35E-03	1.37E-06	4.00E-07
617	490086.72, 3859935.12	3.32E-03	1.05E-06	3.04E-07	3.58E-03	1.13E-06	3.28E-07	5.63E-03	1.78E-06	5.17E-07
618	490136.72, 3859935.12	3.30E-03	1.04E-06	3.03E-07	3.56E-03	1.12E-06	3.27E-07	5.61E-03	1.77E-06	5.15E-07
619	490186.72, 3859935.12	3.30E-03	1.04E-06	3.03E-07	3.55E-03	1.12E-06	3.26E-07	5.60E-03	1.77E-06	5.14E-07
620	490236.72, 3859935.12	3.29E-03	1.04E-06	3.02E-07	3.55E-03	1.12E-06	3.26E-07	5.59E-03	1.76E-06	5.13E-07
621	490286.72, 3859935.12	3.29E-03	1.04E-06	3.02E-07	3.54E-03	1.12E-06	3.25E-07	5.58E-03	1.76E-06	5.13E-07
622	490336.72, 3859935.12	3.29E-03	1.04E-06	3.02E-07	3.54E-03	1.12E-06	3.25E-07	5.58E-03	1.76E-06	5.13E-07
623	490386.72, 3859935.12	3.29E-03	1.04E-06	3.02E-07	3.55E-03	1.12E-06	3.26E-07	5.59E-03	1.76E-06	5.13E-07
624	490436.72, 3859935.12	3.30E-03	1.04E-06	3.03E-07	3.55E-03	1.12E-06	3.26E-07	5.60E-03	1.77E-06	5.14E-07
625	490486.72, 3859935.12	3.30E-03	1.04E-06	3.03E-07	3.56E-03	1.12E-06	3.27E-07	5.61E-03	1.77E-06	5.15E-07
626	490536.72, 3859935.12	3.32E-03	1.05E-06	3.05E-07	3.58E-03	1.13E-06	3.29E-07	5.64E-03	1.78E-06	5.18E-07
627	490586.72, 3859935.12	3.34E-03	1.05E-06	3.07E-07	3.60E-03	1.14E-06	3.31E-07	5.68E-03	1.79E-06	5.21E-07
628	490636.72, 3859935.12	3.36E-03	1.06E-06	3.08E-07	3.62E-03	1.14E-06	3.32E-07	5.70E-03	1.80E-06	5.24E-07
629	490686.72, 3859935.12	3.38E-03	1.07E-06	3.11E-07	3.65E-03	1.15E-06	3.35E-07	5.75E-03	1.81E-06	5.28E-07
630	490736.72, 3859935.12	3.40E-03	1.07E-06	3.12E-07	3.67E-03	1.16E-06	3.37E-07	5.78E-03	1.82E-06	5.31E-07
631	490086.72, 3859985.12	3.22E-03	1.02E-06	2.96E-07	3.48E-03	1.10E-06	3.19E-07	5.48E-03	1.73E-06	5.03E-07
632	490136.72, 3859985.12	3.21E-03	1.01E-06	2.95E-07	3.46E-03	1.09E-06	3.18E-07	5.45E-03	1.72E-06	5.01E-07
633	490186.72, 3859985.12	3.20E-03	1.01E-06	2.94E-07	3.45E-03	1.09E-06	3.17E-07	5.43E-03	1.72E-06	4.99E-07
634	490236.72, 3859985.12	3.19E-03	1.01E-06	2.93E-07	3.44E-03	1.09E-06	3.16E-07	5.42E-03	1.71E-06	4.98E-07
635	490286.72, 3859985.12	3.18E-03	1.00E-06	2.92E-07	3.43E-03	1.08E-06	3.15E-07	5.41E-03	1.71E-06	4.97E-07
636	490336.72, 3859985.12	3.18E-03	1.00E-06	2.92E-07	3.43E-03	1.08E-06	3.15E-07	5.40E-03	1.71E-06	4.96E-07
637	490386.72, 3859985.12	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.39E-03	1.70E-06	4.95E-07
638	490436.72, 3859985.12	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.40E-03	1.70E-06	4.95E-07
639	490486.72, 3859985.12	3.18E-03	1.00E-06	2.92E-07	3.43E-03	1.08E-06	3.15E-07	5.40E-03	1.71E-06	4.96E-07
640	490536.72, 3859985.12	3.19E-03	1.01E-06	2.93E-07	3.44E-03	1.09E-06	3.16E-07	5.42E-03	1.71E-06	4.98E-07
641	490586.72, 3859985.12	3.21E-03	1.01E-06	2.94E-07	3.46E-03	1.09E-06	3.17E-07	5.45E-03	1.72E-06	5.00E-07
642	490636.72, 3859985.12	3.22E-03	1.02E-06	2.96E-07	3.48E-03	1.10E-06	3.19E-07	5.48E-03	1.73E-06	5.03E-07
643	490686.72, 3859985.12	3.25E-03	1.02E-06	2.98E-07	3.50E-03	1.11E-06	3.21E-07	5.52E-03	1.74E-06	5.07E-07
644	490736.72, 3859985.12	3.26E-03	1.03E-06	2.99E-07	3.52E-03	1.11E-06	3.23E-07	5.54E-03	1.75E-06	5.09E-07
645	490786.72, 3859985.12	3.27E-03	1.03E-06	3.00E-07	3.53E-03	1.11E-06	3.24E-07	5.57E-03	1.76E-06	5.11E-07
646	490086.72, 3860035.12	3.14E-03	9.92E-07	2.89E-07	3.39E-03	1.07E-06	3.11E-07	5.34E-03	1.69E-06	4.90E-07
647	490136.72, 3860035.12	3.12E-03	9.86E-07	2.87E-07	3.37E-03	1.06E-06	3.09E-07	5.31E-03	1.68E-06	4.88E-07
648	490186.72, 3860035.12	3.11E-03	9.81E-07	2.85E-07	3.35E-03	1.06E-06	3.08E-07	5.29E-03	1.67E-06	4.85E-07
649	490236.72, 3860035.12	3.10E-03	9.77E-07	2.84E-07	3.34E-03	1.05E-06	3.07E-07	5.27E-03	1.66E-06	4.83E-07
650	490286.72, 3860035.12	3.09E-03	9.74E-07	2.83E-07	3.33E-03	1.05E-06	3.05E-07	5.25E-03	1.66E-06	4.82E-07
651	490336.72, 3860035.12	3.08E-03	9.72E-07	2.83E-07	3.32E-03	1.05E-06	3.05E-07	5.24E-03	1.65E-06	4.81E-07
652	490386.72, 3860035.12	3.07E-03	9.70E-07	2.82E-07	3.31E-03	1.05E-06	3.04E-07	5.22E-03	1.65E-06	4.80E-07
653	490436.72, 3860035.12	3.07E-03	9.68E-07	2.82E-07	3.31E-03	1.04E-06	3.04E-07	5.22E-03	1.65E-06	4.79E-07
654	490486.72, 3860035.12	3.07E-03	9.68E-07	2.82E-07	3.31E-03	1.04E-06	3.04E-07	5.22E-03	1.65E-06	4.79E-07
655	490536.72, 3860035.12	3.07E-03	9.70E-07	2.82E-07	3.31E-03	1.05E-06	3.04E-07	5.23E-03	1.65E-06	4.80E-07
656	490586.72, 3860035.12	3.08E-03	9.73E-07	2.83E-07	3.32E-03	1.05E-06	3.05E-07	5.24E-03	1.65E-06	4.81E-07
657	490636.72, 3860035.12	3.09E-03	9.75E-07	2.83E-07	3.33E-03	1.05E-06	3.06E-07	5.25E-03	1.66E-06	4.82E-07
658	490686.72, 3860035.12	3.10E-03	9.79E-07	2.85E-07	3.35E-03	1.06E-06	3.07E-07	5.28E-03	1.67E-06	4.84E-07
659	490736.72, 3860035.12	3.13E-03	9.87E-07	2.87E-07	3.37E-03	1.06E-06	3.10E-07	5.32E-03	1.68E-06	4.88E-07
660	490786.72, 3860035.12	3.14E-03	9.91E-07	2.88E-07	3.39E-03	1.07E-06	3.11E-07	5.34E-03	1.69E-06	4.90E-07
661	490836.72, 3860035.12	3.15E-03	9.94E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.36E-03	1.69E-06	4.92E-07
662	490086.72, 3860085.12	3.08E-03	9.71E-07	2.82E-07	3.32E-03	1.05E-06	3.05E-07	5.23E-03	1.65E-06	4.80E-07
663	490136.72, 3860085.12	3.05E-03	9.62E-07	2.80E-07	3.29E-03	1.04E-06	3.02E-07	5.18E-03	1.64E-06	4.76E-07
664	490186.72, 3860085.12	3.03E-03	9.57E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.16E-03	1.63E-06	4.74E-07
665	490236.72, 3860085.12	3.02E-03	9.52E-07	2.77E-07	3.25E-03	1.03E-06	2.99E-07	5.13E-03	1.62E-06	4.71E-07
666	490286.72, 3860085.12	3.00E-03	9.48E-07	2.76E-07	3.24E-03	1.02E-06	2.97E-07	5.11E-03	1.61E-06	4.69E-07
667	490336.72, 3860085.12	2.99E-03	9.44E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.09E-03	1.61E-06	4.67E-07

668	490386.72, 3860085.12	2.98E-03	9.41E-07	2.74E-07	3.21E-03	1.01E-06	2.95E-07	5.07E-03	1.60E-06	4.65E-07
669	490436.72, 3860085.12	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.94E-07	5.06E-03	1.60E-06	4.64E-07
670	490486.72, 3860085.12	2.97E-03	9.37E-07	2.72E-07	3.20E-03	1.01E-06	2.94E-07	5.05E-03	1.59E-06	4.63E-07
671	490536.72, 3860085.12	2.97E-03	9.37E-07	2.73E-07	3.20E-03	1.01E-06	2.94E-07	5.05E-03	1.59E-06	4.64E-07
672	490586.72, 3860085.12	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.94E-07	5.06E-03	1.60E-06	4.64E-07
673	490636.72, 3860085.12	2.98E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.06E-03	1.60E-06	4.65E-07
674	490686.72, 3860085.12	2.99E-03	9.42E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.08E-03	1.60E-06	4.66E-07
675	490736.72, 3860085.12	3.00E-03	9.47E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.10E-03	1.61E-06	4.68E-07
676	490786.72, 3860085.12	3.01E-03	9.51E-07	2.77E-07	3.25E-03	1.03E-06	2.98E-07	5.13E-03	1.62E-06	4.71E-07
677	490836.72, 3860085.12	3.02E-03	9.54E-07	2.78E-07	3.26E-03	1.03E-06	2.99E-07	5.14E-03	1.62E-06	4.72E-07
678	490086.72, 3860135.12	2.99E-03	9.45E-07	2.75E-07	3.23E-03	1.02E-06	2.96E-07	5.09E-03	1.61E-06	4.67E-07
679	490136.72, 3860135.12	2.98E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.06E-03	1.60E-06	4.65E-07
680	490186.72, 3860135.12	2.96E-03	9.34E-07	2.72E-07	3.19E-03	1.01E-06	2.93E-07	5.03E-03	1.59E-06	4.62E-07
681	490236.72, 3860135.12	2.94E-03	9.28E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.00E-03	1.58E-06	4.59E-07
682	490286.72, 3860135.12	2.93E-03	9.23E-07	2.69E-07	3.15E-03	9.96E-07	2.90E-07	4.98E-03	1.57E-06	4.57E-07
683	490336.72, 3860135.12	2.91E-03	9.19E-07	2.67E-07	3.14E-03	9.91E-07	2.88E-07	4.95E-03	1.56E-06	4.55E-07
684	490386.72, 3860135.12	2.90E-03	9.15E-07	2.66E-07	3.13E-03	9.87E-07	2.87E-07	4.93E-03	1.56E-06	4.53E-07
685	490436.72, 3860135.12	2.89E-03	9.11E-07	2.65E-07	3.11E-03	9.83E-07	2.86E-07	4.91E-03	1.55E-06	4.51E-07
686	490486.72, 3860135.12	2.88E-03	9.09E-07	2.64E-07	3.11E-03	9.80E-07	2.85E-07	4.90E-03	1.55E-06	4.50E-07
687	490536.72, 3860135.12	2.88E-03	9.08E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.89E-03	1.54E-06	4.49E-07
688	490586.72, 3860135.12	2.88E-03	9.07E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.89E-03	1.54E-06	4.49E-07
689	490636.72, 3860135.12	2.88E-03	9.08E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.89E-03	1.54E-06	4.49E-07
690	490686.72, 3860135.12	2.88E-03	9.08E-07	2.64E-07	3.10E-03	9.80E-07	2.85E-07	4.90E-03	1.55E-06	4.50E-07
691	490736.72, 3860135.12	2.89E-03	9.11E-07	2.65E-07	3.11E-03	9.82E-07	2.86E-07	4.91E-03	1.55E-06	4.51E-07
692	490786.72, 3860135.12	2.90E-03	9.14E-07	2.66E-07	3.12E-03	9.86E-07	2.87E-07	4.93E-03	1.56E-06	4.53E-07
693	490836.72, 3860135.12	2.90E-03	9.17E-07	2.67E-07	3.13E-03	9.89E-07	2.88E-07	4.94E-03	1.56E-06	4.54E-07
694	490086.72, 3860185.12	2.92E-03	9.23E-07	2.68E-07	3.15E-03	9.95E-07	2.89E-07	4.97E-03	1.57E-06	4.57E-07
695	490136.72, 3860185.12	2.91E-03	9.18E-07	2.67E-07	3.14E-03	9.90E-07	2.88E-07	4.95E-03	1.56E-06	4.54E-07
696	490186.72, 3860185.12	2.89E-03	9.13E-07	2.65E-07	3.12E-03	9.84E-07	2.86E-07	4.92E-03	1.55E-06	4.52E-07
697	490236.72, 3860185.12	2.87E-03	9.07E-07	2.64E-07	3.10E-03	9.78E-07	2.84E-07	4.89E-03	1.54E-06	4.49E-07
698	490286.72, 3860185.12	2.86E-03	9.01E-07	2.62E-07	3.08E-03	9.72E-07	2.83E-07	4.86E-03	1.53E-06	4.46E-07
699	490336.72, 3860185.12	2.84E-03	8.96E-07	2.61E-07	3.06E-03	9.66E-07	2.81E-07	4.83E-03	1.52E-06	4.43E-07
700	490386.72, 3860185.12	2.82E-03	8.91E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.81E-03	1.52E-06	4.41E-07
701	490436.72, 3860185.12	2.81E-03	8.87E-07	2.58E-07	3.03E-03	9.57E-07	2.78E-07	4.78E-03	1.51E-06	4.39E-07
702	490486.72, 3860185.12	2.80E-03	8.84E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.77E-03	1.50E-06	4.38E-07
703	490536.72, 3860185.12	2.79E-03	8.82E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.75E-03	1.50E-06	4.36E-07
704	490586.72, 3860185.12	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.75E-03	1.50E-06	4.36E-07
705	490636.72, 3860185.12	2.79E-03	8.79E-07	2.56E-07	3.00E-03	9.48E-07	2.76E-07	4.74E-03	1.50E-06	4.35E-07
706	490686.72, 3860185.12	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.49E-07	2.76E-07	4.74E-03	1.50E-06	4.35E-07
707	490736.72, 3860185.12	2.79E-03	8.79E-07	2.56E-07	3.01E-03	9.48E-07	2.76E-07	4.74E-03	1.50E-06	4.35E-07
708	490786.72, 3860185.12	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.75E-03	1.50E-06	4.36E-07
709	490836.72, 3860185.12	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.76E-03	1.50E-06	4.37E-07
710	490086.72, 3860235.12	2.86E-03	9.03E-07	2.63E-07	3.08E-03	9.74E-07	2.83E-07	4.87E-03	1.54E-06	4.47E-07
711	490136.72, 3860235.12	2.84E-03	8.98E-07	2.61E-07	3.07E-03	9.68E-07	2.82E-07	4.84E-03	1.53E-06	4.44E-07
712	490186.72, 3860235.12	2.83E-03	8.92E-07	2.60E-07	3.05E-03	9.63E-07	2.80E-07	4.81E-03	1.52E-06	4.42E-07
713	490236.72, 3860235.12	2.81E-03	8.87E-07	2.58E-07	3.03E-03	9.56E-07	2.78E-07	4.78E-03	1.51E-06	4.39E-07
714	490286.72, 3860235.12	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.75E-03	1.50E-06	4.36E-07
715	490336.72, 3860235.12	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.44E-07	2.75E-07	4.72E-03	1.49E-06	4.33E-07
716	490386.72, 3860235.12	2.76E-03	8.70E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.69E-03	1.48E-06	4.31E-07
717	490436.72, 3860235.12	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.34E-07	2.72E-07	4.67E-03	1.47E-06	4.29E-07
718	490486.72, 3860235.12	2.73E-03	8.62E-07	2.51E-07	2.94E-03	9.29E-07	2.70E-07	4.65E-03	1.47E-06	4.27E-07
719	490536.72, 3860235.12	2.72E-03	8.59E-07	2.50E-07	2.93E-03	9.26E-07	2.69E-07	4.63E-03	1.46E-06	4.25E-07
720	490586.72, 3860235.12	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.62E-03	1.46E-06	4.24E-07
721	490636.72, 3860235.12	2.71E-03	8.54E-07	2.49E-07	2.92E-03	9.22E-07	2.68E-07	4.61E-03	1.45E-06	4.23E-07
722	490686.72, 3860235.12	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.20E-07	2.68E-07	4.60E-03	1.45E-06	4.23E-07
723	490736.72, 3860235.12	2.70E-03	8.53E-07	2.48E-07	2.91E-03	9.20E-07	2.68E-07	4.60E-03	1.45E-06	4.22E-07
724	490786.72, 3860235.12	2.70E-03	8.53E-07	2.48E-07	2.91E-03	9.20E-07	2.68E-07	4.60E-03	1.45E-06	4.22E-07
725	490086.72, 3860285.12	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.52E-07	2.77E-07	4.76E-03	1.50E-06	4.37E-07
726	490136.72, 3860285.12	2.78E-03	8.79E-07	2.56E-07	3.00E-03	9.48E-07	2.76E-07	4.74E-03	1.50E-06	4.35E-07
727	490186.72, 3860285.12	2.77E-03	8.73E-07	2.54E-07	2.98E-03	9.42E-07	2.74E-07	4.71E-03	1.49E-06	4.32E-07
728	490236.72, 3860285.12	2.75E-03	8.68E-07	2.52E-07	2.97E-03	9.36E-07	2.72E-07	4.68E-03	1.48E-06	4.30E-07

729	490286.72, 3860285.12	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.30E-07	2.70E-07	4.65E-03	1.47E-06	4.27E-07
730	490336.72, 3860285.12	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.62E-03	1.46E-06	4.24E-07
731	490386.72, 3860285.12	2.70E-03	8.51E-07	2.48E-07	2.91E-03	9.18E-07	2.67E-07	4.59E-03	1.45E-06	4.22E-07
732	490436.72, 3860285.12	2.68E-03	8.46E-07	2.46E-07	2.89E-03	9.13E-07	2.65E-07	4.57E-03	1.44E-06	4.19E-07
733	490486.72, 3860285.12	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.54E-03	1.43E-06	4.17E-07
734	490536.72, 3860285.12	2.65E-03	8.37E-07	2.44E-07	2.86E-03	9.03E-07	2.63E-07	4.52E-03	1.43E-06	4.15E-07
735	490586.72, 3860285.12	2.64E-03	8.34E-07	2.43E-07	2.85E-03	8.99E-07	2.62E-07	4.50E-03	1.42E-06	4.13E-07
736	490636.72, 3860285.12	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.49E-03	1.42E-06	4.12E-07
737	490686.72, 3860285.12	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.48E-03	1.41E-06	4.11E-07
738	490736.72, 3860285.12	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.47E-03	1.41E-06	4.10E-07
739	490786.72, 3860285.12	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.93E-07	2.60E-07	4.47E-03	1.41E-06	4.10E-07
740	490086.72, 3860335.12	2.74E-03	8.64E-07	2.51E-07	2.95E-03	9.32E-07	2.71E-07	4.66E-03	1.47E-06	4.28E-07
741	490136.72, 3860335.12	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.64E-03	1.46E-06	4.26E-07
742	490186.72, 3860335.12	2.71E-03	8.55E-07	2.49E-07	2.92E-03	9.22E-07	2.68E-07	4.61E-03	1.46E-06	4.23E-07
743	490236.72, 3860335.12	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.17E-07	2.67E-07	4.59E-03	1.45E-06	4.21E-07
744	490286.72, 3860335.12	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.11E-07	2.65E-07	4.56E-03	1.44E-06	4.18E-07
745	490336.72, 3860335.12	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.52E-03	1.43E-06	4.15E-07
746	490386.72, 3860335.12	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.50E-03	1.42E-06	4.13E-07
747	490436.72, 3860335.12	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.93E-07	2.60E-07	4.47E-03	1.41E-06	4.10E-07
748	490486.72, 3860335.12	2.61E-03	8.23E-07	2.39E-07	2.81E-03	8.88E-07	2.58E-07	4.44E-03	1.40E-06	4.08E-07
749	490536.72, 3860335.12	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.42E-03	1.39E-06	4.06E-07
750	490586.72, 3860335.12	2.58E-03	8.15E-07	2.37E-07	2.78E-03	8.79E-07	2.56E-07	4.40E-03	1.39E-06	4.04E-07
751	490636.72, 3860335.12	2.57E-03	8.11E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.38E-03	1.38E-06	4.02E-07
752	490686.72, 3860335.12	2.56E-03	8.09E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.36E-03	1.38E-06	4.01E-07
753	490736.72, 3860335.12	2.56E-03	8.06E-07	2.35E-07	2.76E-03	8.70E-07	2.53E-07	4.35E-03	1.37E-06	4.00E-07
754	490786.72, 3860335.12	2.55E-03	8.06E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
755	490086.72, 3860385.12	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.11E-07	2.65E-07	4.56E-03	1.44E-06	4.18E-07
756	490136.72, 3860385.12	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.54E-03	1.43E-06	4.17E-07
757	490186.72, 3860385.12	2.65E-03	8.37E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.52E-03	1.43E-06	4.15E-07
758	490236.72, 3860385.12	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.49E-03	1.42E-06	4.12E-07
759	490286.72, 3860385.12	2.62E-03	8.27E-07	2.41E-07	2.83E-03	8.92E-07	2.60E-07	4.46E-03	1.41E-06	4.10E-07
760	490336.72, 3860385.12	2.60E-03	8.22E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.44E-03	1.40E-06	4.07E-07
761	490386.72, 3860385.12	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.41E-03	1.39E-06	4.04E-07
762	490436.72, 3860385.12	2.57E-03	8.11E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.38E-03	1.38E-06	4.02E-07
763	490486.72, 3860385.12	2.55E-03	8.06E-07	2.35E-07	2.76E-03	8.70E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
764	490536.72, 3860385.12	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.65E-07	2.51E-07	4.33E-03	1.37E-06	3.97E-07
765	490586.72, 3860385.12	2.53E-03	7.97E-07	2.32E-07	2.72E-03	8.60E-07	2.50E-07	4.30E-03	1.36E-06	3.95E-07
766	490636.72, 3860385.12	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.55E-07	2.49E-07	4.28E-03	1.35E-06	3.93E-07
767	490686.72, 3860385.12	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.26E-03	1.35E-06	3.91E-07
768	490736.72, 3860385.12	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.25E-03	1.34E-06	3.90E-07
769	490786.72, 3860385.12	2.49E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.23E-03	1.34E-06	3.89E-07
770	490136.72, 3860435.12	2.61E-03	8.23E-07	2.40E-07	2.81E-03	8.88E-07	2.58E-07	4.44E-03	1.40E-06	4.08E-07
771	490186.72, 3860435.12	2.60E-03	8.20E-07	2.39E-07	2.80E-03	8.84E-07	2.57E-07	4.42E-03	1.40E-06	4.06E-07
772	490236.72, 3860435.12	2.58E-03	8.16E-07	2.37E-07	2.79E-03	8.80E-07	2.56E-07	4.40E-03	1.39E-06	4.04E-07
773	490286.72, 3860435.12	2.57E-03	8.11E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.38E-03	1.38E-06	4.02E-07
774	490336.72, 3860435.12	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
775	490386.72, 3860435.12	2.54E-03	8.00E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.32E-03	1.36E-06	3.97E-07
776	490436.72, 3860435.12	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.58E-07	2.49E-07	4.29E-03	1.35E-06	3.94E-07
777	490486.72, 3860435.12	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.26E-03	1.35E-06	3.91E-07
778	490536.72, 3860435.12	2.49E-03	7.85E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.24E-03	1.34E-06	3.89E-07
779	490586.72, 3860435.12	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.21E-03	1.33E-06	3.87E-07
780	490636.72, 3860435.12	2.46E-03	7.76E-07	2.26E-07	2.65E-03	8.37E-07	2.43E-07	4.19E-03	1.32E-06	3.85E-07
781	490686.72, 3860435.12	2.45E-03	7.72E-07	2.25E-07	2.64E-03	8.33E-07	2.42E-07	4.17E-03	1.32E-06	3.83E-07
782	490736.72, 3860435.12	2.44E-03	7.69E-07	2.24E-07	2.63E-03	8.30E-07	2.41E-07	4.15E-03	1.31E-06	3.81E-07
783	490786.72, 3860435.12	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.26E-07	2.40E-07	4.14E-03	1.31E-06	3.80E-07
784	490136.72, 3860485.12	2.56E-03	8.06E-07	2.35E-07	2.76E-03	8.70E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
785	490186.72, 3860485.12	2.54E-03	8.03E-07	2.34E-07	2.74E-03	8.66E-07	2.52E-07	4.33E-03	1.37E-06	3.98E-07
786	490236.72, 3860485.12	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.31E-03	1.36E-06	3.96E-07
787	490286.72, 3860485.12	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.57E-07	2.49E-07	4.29E-03	1.35E-06	3.94E-07
788	490336.72, 3860485.12	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.26E-03	1.35E-06	3.91E-07
789	490386.72, 3860485.12	2.49E-03	7.85E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.24E-03	1.34E-06	3.89E-07

790	490436.72, 3860485.12	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.21E-03	1.33E-06	3.87E-07
791	490486.72, 3860485.12	2.46E-03	7.75E-07	2.26E-07	2.65E-03	8.36E-07	2.43E-07	4.19E-03	1.32E-06	3.84E-07
792	490536.72, 3860485.12	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.30E-07	2.42E-07	4.16E-03	1.31E-06	3.82E-07
793	490586.72, 3860485.12	2.42E-03	7.65E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.13E-03	1.30E-06	3.79E-07
794	490636.72, 3860485.12	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.20E-07	2.39E-07	4.11E-03	1.30E-06	3.77E-07
795	490686.72, 3860485.12	2.40E-03	7.56E-07	2.20E-07	2.58E-03	8.15E-07	2.37E-07	4.08E-03	1.29E-06	3.75E-07
796	490736.72, 3860485.12	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.06E-03	1.28E-06	3.73E-07
797	490786.72, 3860485.12	2.37E-03	7.49E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.04E-03	1.28E-06	3.71E-07
798	490136.72, 3860535.12	2.50E-03	7.89E-07	2.30E-07	2.70E-03	8.51E-07	2.48E-07	4.26E-03	1.34E-06	3.91E-07
799	490186.72, 3860535.12	2.50E-03	7.88E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.25E-03	1.34E-06	3.90E-07
800	490236.72, 3860535.12	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.44E-07	2.46E-07	4.23E-03	1.33E-06	3.88E-07
801	490286.72, 3860535.12	2.47E-03	7.79E-07	2.27E-07	2.66E-03	8.40E-07	2.44E-07	4.20E-03	1.33E-06	3.86E-07
802	490336.72, 3860535.12	2.45E-03	7.75E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.18E-03	1.32E-06	3.84E-07
803	490386.72, 3860535.12	2.44E-03	7.71E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.16E-03	1.31E-06	3.82E-07
804	490436.72, 3860535.12	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.14E-03	1.31E-06	3.80E-07
805	490486.72, 3860535.12	2.41E-03	7.62E-07	2.22E-07	2.60E-03	8.22E-07	2.39E-07	4.11E-03	1.30E-06	3.78E-07
806	490536.72, 3860535.12	2.40E-03	7.58E-07	2.21E-07	2.59E-03	8.18E-07	2.38E-07	4.10E-03	1.29E-06	3.76E-07
807	490586.72, 3860535.12	2.38E-03	7.51E-07	2.18E-07	2.57E-03	8.10E-07	2.36E-07	4.06E-03	1.28E-06	3.72E-07
808	490636.72, 3860535.12	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.05E-07	2.34E-07	4.03E-03	1.27E-06	3.70E-07
809	490686.72, 3860535.12	2.35E-03	7.42E-07	2.16E-07	2.53E-03	8.00E-07	2.33E-07	4.00E-03	1.26E-06	3.68E-07
810	490736.72, 3860535.12	2.34E-03	7.37E-07	2.14E-07	2.52E-03	7.95E-07	2.31E-07	3.98E-03	1.26E-06	3.65E-07
811	490786.72, 3860535.12	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.96E-03	1.25E-06	3.64E-07
812	490136.72, 3860585.12	2.45E-03	7.73E-07	2.25E-07	2.64E-03	8.34E-07	2.43E-07	4.17E-03	1.32E-06	3.83E-07
813	490186.72, 3860585.12	2.43E-03	7.68E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.14E-03	1.31E-06	3.80E-07
814	490236.72, 3860585.12	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.26E-07	2.40E-07	4.13E-03	1.30E-06	3.80E-07
815	490286.72, 3860585.12	2.42E-03	7.63E-07	2.22E-07	2.61E-03	8.23E-07	2.40E-07	4.12E-03	1.30E-06	3.78E-07
816	490336.72, 3860585.12	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.20E-07	2.38E-07	4.10E-03	1.29E-06	3.77E-07
817	490386.72, 3860585.12	2.39E-03	7.56E-07	2.20E-07	2.58E-03	8.15E-07	2.37E-07	4.08E-03	1.29E-06	3.75E-07
818	490436.72, 3860585.12	2.39E-03	7.53E-07	2.19E-07	2.58E-03	8.13E-07	2.36E-07	4.07E-03	1.28E-06	3.74E-07
819	490486.72, 3860585.12	2.38E-03	7.50E-07	2.18E-07	2.56E-03	8.10E-07	2.35E-07	4.05E-03	1.28E-06	3.72E-07
820	490536.72, 3860585.12	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.02E-03	1.27E-06	3.69E-07
821	490586.72, 3860585.12	2.34E-03	7.37E-07	2.14E-07	2.52E-03	7.95E-07	2.31E-07	3.98E-03	1.26E-06	3.65E-07
822	490636.72, 3860585.12	2.32E-03	7.32E-07	2.13E-07	2.50E-03	7.90E-07	2.30E-07	3.96E-03	1.25E-06	3.63E-07
823	490686.72, 3860585.12	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.85E-07	2.28E-07	3.93E-03	1.24E-06	3.61E-07
824	490736.72, 3860585.12	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.80E-07	2.27E-07	3.91E-03	1.23E-06	3.59E-07
825	490786.72, 3860585.12	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.88E-03	1.23E-06	3.56E-07
826	490136.72, 3860635.12	2.40E-03	7.59E-07	2.21E-07	2.59E-03	8.19E-07	2.38E-07	4.10E-03	1.29E-06	3.76E-07
827	490186.72, 3860635.12	2.39E-03	7.55E-07	2.20E-07	2.58E-03	8.14E-07	2.37E-07	4.07E-03	1.29E-06	3.74E-07
828	490236.72, 3860635.12	2.38E-03	7.50E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.05E-03	1.28E-06	3.72E-07
829	490286.72, 3860635.12	2.37E-03	7.47E-07	2.17E-07	2.55E-03	8.06E-07	2.35E-07	4.04E-03	1.27E-06	3.70E-07
830	490336.72, 3860635.12	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.03E-07	2.34E-07	4.02E-03	1.27E-06	3.69E-07
831	490386.72, 3860635.12	2.35E-03	7.41E-07	2.16E-07	2.53E-03	8.00E-07	2.33E-07	4.00E-03	1.26E-06	3.68E-07
832	490436.72, 3860635.12	2.34E-03	7.38E-07	2.15E-07	2.52E-03	7.96E-07	2.31E-07	3.98E-03	1.26E-06	3.66E-07
833	490486.72, 3860635.12	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.96E-03	1.25E-06	3.64E-07
834	490536.72, 3860635.12	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.94E-03	1.24E-06	3.62E-07
835	490586.72, 3860635.12	2.30E-03	7.25E-07	2.11E-07	2.48E-03	7.82E-07	2.27E-07	3.91E-03	1.24E-06	3.59E-07
836	490636.72, 3860635.12	2.28E-03	7.20E-07	2.09E-07	2.46E-03	7.77E-07	2.26E-07	3.89E-03	1.23E-06	3.57E-07
837	490686.72, 3860635.12	2.27E-03	7.15E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.86E-03	1.22E-06	3.55E-07
838	490736.72, 3860635.12	2.25E-03	7.10E-07	2.07E-07	2.43E-03	7.66E-07	2.23E-07	3.84E-03	1.21E-06	3.52E-07
839	490786.72, 3860635.12	2.24E-03	7.06E-07	2.05E-07	2.41E-03	7.61E-07	2.21E-07	3.81E-03	1.20E-06	3.50E-07
840	490136.72, 3860685.12	2.35E-03	7.41E-07	2.16E-07	2.53E-03	7.99E-07	2.32E-07	4.00E-03	1.26E-06	3.67E-07
841	490186.72, 3860685.12	2.35E-03	7.42E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.01E-03	1.27E-06	3.68E-07
842	490236.72, 3860685.12	2.34E-03	7.37E-07	2.15E-07	2.52E-03	7.95E-07	2.31E-07	3.98E-03	1.26E-06	3.66E-07
843	490286.72, 3860685.12	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.89E-07	2.29E-07	3.95E-03	1.25E-06	3.63E-07
844	490336.72, 3860685.12	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.94E-03	1.24E-06	3.62E-07
845	490386.72, 3860685.12	2.30E-03	7.27E-07	2.12E-07	2.49E-03	7.85E-07	2.28E-07	3.93E-03	1.24E-06	3.61E-07
846	490436.72, 3860685.12	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.80E-07	2.27E-07	3.91E-03	1.23E-06	3.59E-07
847	490486.72, 3860685.12	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.88E-03	1.23E-06	3.57E-07
848	490536.72, 3860685.12	2.27E-03	7.15E-07	2.08E-07	2.45E-03	7.72E-07	2.24E-07	3.86E-03	1.22E-06	3.55E-07
849	490586.72, 3860685.12	2.25E-03	7.11E-07	2.07E-07	2.43E-03	7.67E-07	2.23E-07	3.84E-03	1.21E-06	3.53E-07
850	490636.72, 3860685.12	2.24E-03	7.07E-07	2.06E-07	2.42E-03	7.63E-07	2.22E-07	3.82E-03	1.21E-06	3.51E-07

851	490686.72, 3860685.12	2.23E-03	7.03E-07	2.05E-07	2.40E-03	7.59E-07	2.21E-07	3.80E-03	1.20E-06	3.49E-07
852	490736.72, 3860685.12	2.21E-03	6.99E-07	2.03E-07	2.39E-03	7.54E-07	2.19E-07	3.77E-03	1.19E-06	3.46E-07
853	490786.72, 3860685.12	2.20E-03	6.95E-07	2.02E-07	2.38E-03	7.50E-07	2.18E-07	3.75E-03	1.18E-06	3.45E-07
854	490136.72, 3860735.12	2.28E-03	7.20E-07	2.10E-07	2.46E-03	7.77E-07	2.26E-07	3.89E-03	1.23E-06	3.57E-07
855	490186.72, 3860735.12	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.75E-07	2.26E-07	3.88E-03	1.22E-06	3.56E-07
856	490236.72, 3860735.12	2.27E-03	7.18E-07	2.09E-07	2.45E-03	7.74E-07	2.25E-07	3.87E-03	1.22E-06	3.56E-07
857	490286.72, 3860735.12	2.27E-03	7.16E-07	2.08E-07	2.45E-03	7.73E-07	2.25E-07	3.87E-03	1.22E-06	3.55E-07
858	490336.72, 3860735.12	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.86E-03	1.22E-06	3.54E-07
859	490386.72, 3860735.12	2.26E-03	7.13E-07	2.07E-07	2.44E-03	7.69E-07	2.24E-07	3.85E-03	1.21E-06	3.53E-07
860	490436.72, 3860735.12	2.26E-03	7.12E-07	2.07E-07	2.43E-03	7.68E-07	2.23E-07	3.84E-03	1.21E-06	3.53E-07
861	490486.72, 3860735.12	2.24E-03	7.07E-07	2.06E-07	2.42E-03	7.63E-07	2.22E-07	3.82E-03	1.21E-06	3.51E-07
862	490536.72, 3860735.12	2.22E-03	7.02E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.79E-03	1.20E-06	3.48E-07
863	490586.72, 3860735.12	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.77E-03	1.19E-06	3.46E-07
864	490636.72, 3860735.12	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.75E-03	1.18E-06	3.44E-07
865	490686.72, 3860735.12	2.19E-03	6.91E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.73E-03	1.18E-06	3.43E-07
866	490736.72, 3860735.12	2.18E-03	6.87E-07	2.00E-07	2.35E-03	7.42E-07	2.16E-07	3.71E-03	1.17E-06	3.41E-07
867	490136.72, 3860785.12	2.22E-03	7.01E-07	2.04E-07	2.40E-03	7.56E-07	2.20E-07	3.78E-03	1.19E-06	3.47E-07
868	490186.72, 3860785.12	2.22E-03	7.01E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.79E-03	1.19E-06	3.48E-07
869	490236.72, 3860785.12	2.22E-03	7.01E-07	2.04E-07	2.39E-03	7.56E-07	2.20E-07	3.78E-03	1.19E-06	3.47E-07
870	490286.72, 3860785.12	2.22E-03	7.00E-07	2.04E-07	2.39E-03	7.55E-07	2.20E-07	3.78E-03	1.19E-06	3.47E-07
871	490336.72, 3860785.12	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.77E-03	1.19E-06	3.46E-07
872	490386.72, 3860785.12	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.77E-03	1.19E-06	3.46E-07
873	490436.72, 3860785.12	2.20E-03	6.96E-07	2.02E-07	2.38E-03	7.50E-07	2.18E-07	3.76E-03	1.19E-06	3.45E-07
874	490486.72, 3860785.12	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.75E-03	1.18E-06	3.44E-07
875	490536.72, 3860785.12	2.19E-03	6.90E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.73E-03	1.18E-06	3.42E-07
876	490586.72, 3860785.12	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.70E-03	1.17E-06	3.40E-07
877	490636.72, 3860785.12	2.16E-03	6.81E-07	1.98E-07	2.33E-03	7.35E-07	2.14E-07	3.68E-03	1.16E-06	3.38E-07
878	490686.72, 3860785.12	2.15E-03	6.78E-07	1.97E-07	2.32E-03	7.31E-07	2.13E-07	3.66E-03	1.16E-06	3.36E-07
879	490736.72, 3860785.12	2.14E-03	6.75E-07	1.96E-07	2.31E-03	7.28E-07	2.12E-07	3.65E-03	1.15E-06	3.35E-07
880	490086.72, 3860835.12	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.37E-07	2.14E-07	3.69E-03	1.16E-06	3.39E-07
881	490136.72, 3860835.12	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.70E-03	1.17E-06	3.39E-07
882	490186.72, 3860835.12	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.70E-03	1.17E-06	3.39E-07
883	490236.72, 3860835.12	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.38E-07	2.15E-07	3.69E-03	1.17E-06	3.39E-07
884	490286.72, 3860835.12	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.38E-07	2.15E-07	3.69E-03	1.17E-06	3.39E-07
885	490336.72, 3860835.12	2.16E-03	6.83E-07	1.99E-07	2.33E-03	7.37E-07	2.14E-07	3.69E-03	1.16E-06	3.39E-07
886	490386.72, 3860835.12	2.16E-03	6.82E-07	1.98E-07	2.33E-03	7.36E-07	2.14E-07	3.68E-03	1.16E-06	3.38E-07
887	490436.72, 3860835.12	2.16E-03	6.81E-07	1.98E-07	2.33E-03	7.35E-07	2.14E-07	3.68E-03	1.16E-06	3.38E-07
888	490486.72, 3860835.12	2.15E-03	6.79E-07	1.98E-07	2.32E-03	7.33E-07	2.13E-07	3.67E-03	1.16E-06	3.37E-07
889	490536.72, 3860835.12	2.14E-03	6.77E-07	1.97E-07	2.31E-03	7.30E-07	2.12E-07	3.66E-03	1.15E-06	3.36E-07
890	490586.72, 3860835.12	2.13E-03	6.73E-07	1.96E-07	2.30E-03	7.26E-07	2.11E-07	3.64E-03	1.15E-06	3.34E-07
891	490636.72, 3860835.12	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.22E-07	2.10E-07	3.62E-03	1.14E-06	3.32E-07
892	490686.72, 3860835.12	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.18E-07	2.09E-07	3.60E-03	1.14E-06	3.30E-07
893	490736.72, 3860835.12	2.10E-03	6.63E-07	1.93E-07	2.27E-03	7.15E-07	2.08E-07	3.58E-03	1.13E-06	3.29E-07
894	490086.72, 3860885.12	2.12E-03	6.68E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.60E-03	1.14E-06	3.31E-07
895	490136.72, 3860885.12	2.12E-03	6.69E-07	1.94E-07	2.28E-03	7.21E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
896	490186.72, 3860885.12	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.21E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
897	490236.72, 3860885.12	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.22E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
898	490286.72, 3860885.12	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.21E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
899	490336.72, 3860885.12	2.12E-03	6.68E-07	1.94E-07	2.28E-03	7.20E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
900	490386.72, 3860885.12	2.11E-03	6.68E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.60E-03	1.14E-06	3.31E-07
901	490436.72, 3860885.12	2.11E-03	6.67E-07	1.94E-07	2.28E-03	7.19E-07	2.09E-07	3.60E-03	1.14E-06	3.31E-07
902	490486.72, 3860885.12	2.11E-03	6.66E-07	1.94E-07	2.27E-03	7.18E-07	2.09E-07	3.60E-03	1.13E-06	3.30E-07
903	490536.72, 3860885.12	2.10E-03	6.63E-07	1.93E-07	2.27E-03	7.16E-07	2.08E-07	3.58E-03	1.13E-06	3.29E-07
904	490586.72, 3860885.12	2.09E-03	6.61E-07	1.92E-07	2.26E-03	7.13E-07	2.07E-07	3.57E-03	1.13E-06	3.28E-07
905	490636.72, 3860885.12	2.08E-03	6.57E-07	1.91E-07	2.25E-03	7.09E-07	2.06E-07	3.55E-03	1.12E-06	3.26E-07
906	490686.72, 3860885.12	2.07E-03	6.54E-07	1.90E-07	2.24E-03	7.05E-07	2.05E-07	3.53E-03	1.12E-06	3.24E-07
907	490736.72, 3860885.12	2.06E-03	6.51E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.52E-03	1.11E-06	3.23E-07
908	490086.72, 3860935.12	2.06E-03	6.51E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.51E-03	1.11E-06	3.22E-07
909	490136.72, 3860935.12	2.06E-03	6.51E-07	1.89E-07	2.23E-03	7.03E-07	2.04E-07	3.51E-03	1.11E-06	3.23E-07
910	490186.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.04E-07	2.05E-07	3.52E-03	1.11E-06	3.23E-07
911	490236.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07

912	490286.72, 3860935.12	2.07E-03	6.54E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
913	490336.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
914	490386.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
915	490436.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
916	490486.72, 3860935.12	2.07E-03	6.52E-07	1.90E-07	2.23E-03	7.03E-07	2.05E-07	3.52E-03	1.11E-06	3.23E-07
917	490536.72, 3860935.12	2.06E-03	6.51E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.51E-03	1.11E-06	3.23E-07
918	490586.72, 3860935.12	2.05E-03	6.48E-07	1.89E-07	2.22E-03	6.99E-07	2.03E-07	3.50E-03	1.11E-06	3.22E-07
919	490636.72, 3860935.12	2.04E-03	6.45E-07	1.88E-07	2.21E-03	6.96E-07	2.03E-07	3.49E-03	1.10E-06	3.20E-07
920	490686.72, 3860935.12	2.04E-03	6.43E-07	1.87E-07	2.20E-03	6.93E-07	2.02E-07	3.47E-03	1.10E-06	3.19E-07
921	490736.72, 3860935.12	2.03E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.46E-03	1.09E-06	3.17E-07
922	490786.72, 3860935.12	2.02E-03	6.36E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
923	490836.72, 3860935.12	2.01E-03	6.34E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.43E-03	1.08E-06	3.14E-07
924	490086.72, 3860985.12	2.01E-03	6.36E-07	1.85E-07	2.17E-03	6.85E-07	1.99E-07	3.43E-03	1.08E-06	3.15E-07
925	490136.72, 3860985.12	2.02E-03	6.37E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.43E-03	1.08E-06	3.15E-07
926	490186.72, 3860985.12	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.88E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
927	490236.72, 3860985.12	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.88E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
928	490286.72, 3860985.12	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.45E-03	1.09E-06	3.16E-07
929	490336.72, 3860985.12	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.45E-03	1.09E-06	3.17E-07
930	490386.72, 3860985.12	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.89E-07	2.01E-07	3.45E-03	1.09E-06	3.17E-07
931	490436.72, 3860985.12	2.03E-03	6.40E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.45E-03	1.09E-06	3.17E-07
932	490486.72, 3860985.12	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.45E-03	1.09E-06	3.17E-07
933	490536.72, 3860985.12	2.02E-03	6.37E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
934	490586.72, 3860985.12	2.01E-03	6.36E-07	1.85E-07	2.17E-03	6.86E-07	1.99E-07	3.43E-03	1.08E-06	3.15E-07
935	490636.72, 3860985.12	2.01E-03	6.34E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.43E-03	1.08E-06	3.14E-07
936	490686.72, 3860985.12	2.00E-03	6.31E-07	1.84E-07	2.16E-03	6.81E-07	1.98E-07	3.41E-03	1.08E-06	3.13E-07
937	490736.72, 3860985.12	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.40E-03	1.07E-06	3.12E-07
938	490786.72, 3860985.12	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
939	490836.72, 3860985.12	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.72E-07	1.95E-07	3.37E-03	1.06E-06	3.09E-07
940	490086.72, 3861035.12	1.97E-03	6.20E-07	1.80E-07	2.12E-03	6.69E-07	1.95E-07	3.35E-03	1.06E-06	3.07E-07
941	490136.72, 3861035.12	1.97E-03	6.22E-07	1.81E-07	2.12E-03	6.70E-07	1.95E-07	3.35E-03	1.06E-06	3.08E-07
942	490186.72, 3861035.12	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.71E-07	1.95E-07	3.36E-03	1.06E-06	3.08E-07
943	490236.72, 3861035.12	1.98E-03	6.24E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.37E-03	1.06E-06	3.09E-07
944	490286.72, 3861035.12	1.98E-03	6.24E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.37E-03	1.06E-06	3.09E-07
945	490336.72, 3861035.12	1.98E-03	6.24E-07	1.82E-07	2.13E-03	6.73E-07	1.96E-07	3.37E-03	1.06E-06	3.09E-07
946	490386.72, 3861035.12	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
947	490436.72, 3861035.12	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
948	490486.72, 3861035.12	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
949	490536.72, 3861035.12	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.74E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
950	490586.72, 3861035.12	1.98E-03	6.23E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.37E-03	1.06E-06	3.09E-07
951	490636.72, 3861035.12	1.97E-03	6.22E-07	1.81E-07	2.12E-03	6.71E-07	1.95E-07	3.36E-03	1.06E-06	3.08E-07
952	490686.72, 3861035.12	1.96E-03	6.20E-07	1.80E-07	2.12E-03	6.68E-07	1.94E-07	3.35E-03	1.06E-06	3.07E-07
953	490736.72, 3861035.12	1.96E-03	6.17E-07	1.79E-07	2.11E-03	6.66E-07	1.94E-07	3.34E-03	1.05E-06	3.06E-07
954	490786.72, 3861035.12	1.95E-03	6.15E-07	1.79E-07	2.10E-03	6.63E-07	1.93E-07	3.32E-03	1.05E-06	3.05E-07
955	490836.72, 3861035.12	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
956	490086.72, 3861085.12	1.92E-03	6.06E-07	1.76E-07	2.07E-03	6.53E-07	1.90E-07	3.27E-03	1.03E-06	3.00E-07
957	490136.72, 3861085.12	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.55E-07	1.91E-07	3.28E-03	1.03E-06	3.01E-07
958	490186.72, 3861085.12	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
959	490236.72, 3861085.12	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.58E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
960	490286.72, 3861085.12	1.93E-03	6.10E-07	1.78E-07	2.09E-03	6.58E-07	1.92E-07	3.29E-03	1.04E-06	3.02E-07
961	490336.72, 3861085.12	1.94E-03	6.11E-07	1.78E-07	2.09E-03	6.59E-07	1.92E-07	3.30E-03	1.04E-06	3.03E-07
962	490386.72, 3861085.12	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.30E-03	1.04E-06	3.03E-07
963	490436.72, 3861085.12	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
964	490486.72, 3861085.12	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
965	490536.72, 3861085.12	1.94E-03	6.13E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
966	490586.72, 3861085.12	1.94E-03	6.11E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.30E-03	1.04E-06	3.03E-07
967	490636.72, 3861085.12	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.58E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
968	490686.72, 3861085.12	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
969	490736.72, 3861085.12	1.92E-03	6.06E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.28E-03	1.03E-06	3.01E-07
970	490786.72, 3861085.12	1.91E-03	6.04E-07	1.76E-07	2.07E-03	6.52E-07	1.90E-07	3.27E-03	1.03E-06	3.00E-07
971	490836.72, 3861085.12	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.25E-03	1.03E-06	2.99E-07
972	490086.72, 3861135.12	1.87E-03	5.91E-07	1.72E-07	2.02E-03	6.38E-07	1.86E-07	3.19E-03	1.01E-06	2.93E-07

973	490136.72, 3861135.12	1.88E-03	5.93E-07	1.73E-07	2.03E-03	6.40E-07	1.86E-07	3.20E-03	1.01E-06	2.94E-07
974	490186.72, 3861135.12	1.89E-03	5.95E-07	1.73E-07	2.03E-03	6.42E-07	1.87E-07	3.21E-03	1.01E-06	2.95E-07
975	490236.72, 3861135.12	1.89E-03	5.96E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.22E-03	1.02E-06	2.95E-07
976	490286.72, 3861135.12	1.89E-03	5.97E-07	1.74E-07	2.04E-03	6.44E-07	1.87E-07	3.22E-03	1.02E-06	2.96E-07
977	490336.72, 3861135.12	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.23E-03	1.02E-06	2.96E-07
978	490386.72, 3861135.12	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.46E-07	1.88E-07	3.23E-03	1.02E-06	2.97E-07
979	490436.72, 3861135.12	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.46E-07	1.88E-07	3.23E-03	1.02E-06	2.97E-07
980	490486.72, 3861135.12	1.90E-03	6.00E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.24E-03	1.02E-06	2.97E-07
981	490536.72, 3861135.12	1.90E-03	6.00E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.24E-03	1.02E-06	2.97E-07
982	490586.72, 3861135.12	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.46E-07	1.88E-07	3.24E-03	1.02E-06	2.97E-07
983	490636.72, 3861135.12	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.23E-03	1.02E-06	2.97E-07
984	490686.72, 3861135.12	1.89E-03	5.97E-07	1.74E-07	2.04E-03	6.44E-07	1.87E-07	3.22E-03	1.02E-06	2.96E-07
985	490736.72, 3861135.12	1.89E-03	5.95E-07	1.73E-07	2.04E-03	6.42E-07	1.87E-07	3.22E-03	1.02E-06	2.95E-07
986	490786.72, 3861135.12	1.88E-03	5.94E-07	1.73E-07	2.03E-03	6.41E-07	1.86E-07	3.21E-03	1.01E-06	2.95E-07
987	490836.72, 3861135.12	1.87E-03	5.92E-07	1.72E-07	2.02E-03	6.38E-07	1.86E-07	3.20E-03	1.01E-06	2.94E-07
988	490086.72, 3861185.12	1.83E-03	5.78E-07	1.68E-07	1.97E-03	6.23E-07	1.81E-07	3.11E-03	9.83E-07	2.86E-07
989	490136.72, 3861185.12	1.83E-03	5.79E-07	1.68E-07	1.98E-03	6.24E-07	1.82E-07	3.12E-03	9.85E-07	2.86E-07
990	490186.72, 3861185.12	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.13E-03	9.88E-07	2.87E-07
991	490236.72, 3861185.12	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.28E-07	1.83E-07	3.14E-03	9.91E-07	2.88E-07
992	490286.72, 3861185.12	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.30E-07	1.83E-07	3.15E-03	9.94E-07	2.89E-07
993	490336.72, 3861185.12	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.30E-07	1.83E-07	3.15E-03	9.94E-07	2.89E-07
994	490386.72, 3861185.12	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.31E-07	1.83E-07	3.16E-03	9.96E-07	2.90E-07
995	490436.72, 3861185.12	1.86E-03	5.86E-07	1.70E-07	2.00E-03	6.32E-07	1.84E-07	3.16E-03	9.99E-07	2.90E-07
996	490486.72, 3861185.12	1.86E-03	5.87E-07	1.71E-07	2.00E-03	6.33E-07	1.84E-07	3.17E-03	1.00E-06	2.91E-07
997	490536.72, 3861185.12	1.86E-03	5.88E-07	1.71E-07	2.01E-03	6.34E-07	1.84E-07	3.18E-03	1.00E-06	2.92E-07
998	490586.72, 3861185.12	1.86E-03	5.87E-07	1.71E-07	2.01E-03	6.34E-07	1.84E-07	3.17E-03	1.00E-06	2.91E-07
999	490636.72, 3861185.12	1.86E-03	5.86E-07	1.70E-07	2.00E-03	6.32E-07	1.84E-07	3.17E-03	9.99E-07	2.91E-07
1000	490686.72, 3861185.12	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.31E-07	1.84E-07	3.16E-03	9.98E-07	2.90E-07
1001	490736.72, 3861185.12	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.31E-07	1.83E-07	3.16E-03	9.97E-07	2.90E-07
1002	490786.72, 3861185.12	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.30E-07	1.83E-07	3.15E-03	9.96E-07	2.90E-07
1003	490836.72, 3861185.12	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.28E-07	1.83E-07	3.15E-03	9.93E-07	2.89E-07
1004	490086.72, 3861235.12	1.79E-03	5.64E-07	1.64E-07	1.93E-03	6.09E-07	1.77E-07	3.04E-03	9.60E-07	2.79E-07
1005	490136.72, 3861235.12	1.79E-03	5.65E-07	1.64E-07	1.93E-03	6.10E-07	1.77E-07	3.05E-03	9.62E-07	2.80E-07
1006	490186.72, 3861235.12	1.80E-03	5.67E-07	1.65E-07	1.94E-03	6.11E-07	1.78E-07	3.06E-03	9.65E-07	2.81E-07
1007	490236.72, 3861235.12	1.80E-03	5.68E-07	1.65E-07	1.94E-03	6.12E-07	1.78E-07	3.06E-03	9.67E-07	2.81E-07
1008	490386.72, 3861235.12	1.81E-03	5.71E-07	1.66E-07	1.95E-03	6.16E-07	1.79E-07	3.08E-03	9.73E-07	2.83E-07
1009	490436.72, 3861235.12	1.81E-03	5.72E-07	1.66E-07	1.95E-03	6.17E-07	1.79E-07	3.09E-03	9.74E-07	2.83E-07
1010	490486.72, 3861235.12	1.81E-03	5.73E-07	1.67E-07	1.96E-03	6.18E-07	1.80E-07	3.09E-03	9.76E-07	2.84E-07
1011	490536.72, 3861235.12	1.82E-03	5.75E-07	1.67E-07	1.96E-03	6.20E-07	1.80E-07	3.11E-03	9.80E-07	2.85E-07
1012	490586.72, 3861235.12	1.83E-03	5.76E-07	1.68E-07	1.97E-03	6.21E-07	1.81E-07	3.11E-03	9.82E-07	2.86E-07
1013	490636.72, 3861235.12	1.82E-03	5.74E-07	1.67E-07	1.96E-03	6.19E-07	1.80E-07	3.10E-03	9.79E-07	2.85E-07
1014	490686.72, 3861235.12	1.82E-03	5.74E-07	1.67E-07	1.96E-03	6.19E-07	1.80E-07	3.10E-03	9.78E-07	2.85E-07
1015	490736.72, 3861235.12	1.82E-03	5.74E-07	1.67E-07	1.96E-03	6.19E-07	1.80E-07	3.10E-03	9.78E-07	2.85E-07
1016	490786.72, 3861235.12	1.82E-03	5.73E-07	1.67E-07	1.96E-03	6.18E-07	1.80E-07	3.10E-03	9.78E-07	2.84E-07
1017	490836.72, 3861235.12	1.81E-03	5.72E-07	1.66E-07	1.96E-03	6.17E-07	1.80E-07	3.09E-03	9.76E-07	2.84E-07
1018	490086.72, 3861285.12	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.95E-07	1.73E-07	2.98E-03	9.39E-07	2.73E-07
1019	490136.72, 3861285.12	1.76E-03	5.54E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	2.99E-03	9.43E-07	2.74E-07
1020	490186.72, 3861285.12	1.76E-03	5.54E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	2.99E-03	9.44E-07	2.74E-07
1021	490236.72, 3861285.12	1.76E-03	5.55E-07	1.62E-07	1.90E-03	5.99E-07	1.74E-07	3.00E-03	9.45E-07	2.75E-07
1022	490386.72, 3861285.12	1.77E-03	5.59E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.01E-03	9.51E-07	2.77E-07
1023	490436.72, 3861285.12	1.77E-03	5.60E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.02E-03	9.54E-07	2.77E-07
1024	490486.72, 3861285.12	1.78E-03	5.60E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.03E-03	9.55E-07	2.78E-07
1025	490536.72, 3861285.12	1.78E-03	5.61E-07	1.63E-07	1.92E-03	6.06E-07	1.76E-07	3.03E-03	9.57E-07	2.78E-07
1026	490586.72, 3861285.12	1.78E-03	5.62E-07	1.64E-07	1.92E-03	6.07E-07	1.76E-07	3.04E-03	9.59E-07	2.79E-07
1027	490636.72, 3861285.12	1.78E-03	5.62E-07	1.63E-07	1.92E-03	6.06E-07	1.76E-07	3.04E-03	9.58E-07	2.79E-07
1028	490686.72, 3861285.12	1.78E-03	5.62E-07	1.63E-07	1.92E-03	6.06E-07	1.76E-07	3.04E-03	9.58E-07	2.79E-07
1029	490736.72, 3861285.12	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.07E-07	1.77E-07	3.04E-03	9.60E-07	2.79E-07
1030	490786.72, 3861285.12	1.78E-03	5.62E-07	1.64E-07	1.92E-03	6.07E-07	1.76E-07	3.04E-03	9.60E-07	2.79E-07
1031	490836.72, 3861285.12	1.78E-03	5.61E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.03E-03	9.58E-07	2.79E-07
1032	490061.24, 3859716.13	3.88E-03	1.22E-06	3.56E-07	4.18E-03	1.32E-06	3.84E-07	6.57E-03	2.07E-06	6.03E-07
1033	490111.24, 3859716.13	3.89E-03	1.23E-06	3.57E-07	4.19E-03	1.32E-06	3.85E-07	6.59E-03	2.08E-06	6.05E-07

1034	490161.24, 3859716.13	3.90E-03	1.23E-06	3.58E-07	4.20E-03	1.33E-06	3.86E-07	6.60E-03	2.08E-06	6.06E-07
1035	490211.24, 3859716.13	3.91E-03	1.23E-06	3.59E-07	4.21E-03	1.33E-06	3.87E-07	6.62E-03	2.09E-06	6.07E-07
1036	490061.24, 3859766.13	3.73E-03	1.18E-06	3.42E-07	4.02E-03	1.27E-06	3.69E-07	6.32E-03	1.99E-06	5.80E-07
1037	490111.24, 3859766.13	3.73E-03	1.18E-06	3.42E-07	4.02E-03	1.27E-06	3.69E-07	6.32E-03	1.99E-06	5.80E-07
1038	490161.24, 3859766.13	3.73E-03	1.18E-06	3.43E-07	4.02E-03	1.27E-06	3.69E-07	6.33E-03	2.00E-06	5.81E-07
1039	490211.24, 3859766.13	3.74E-03	1.18E-06	3.43E-07	4.03E-03	1.27E-06	3.70E-07	6.34E-03	2.00E-06	5.82E-07
1040	490061.24, 3859816.13	3.59E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.09E-03	1.92E-06	5.59E-07
1041	490111.24, 3859816.13	3.58E-03	1.13E-06	3.29E-07	3.86E-03	1.22E-06	3.55E-07	6.08E-03	1.92E-06	5.58E-07
1042	490161.24, 3859816.13	3.59E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.08E-03	1.92E-06	5.58E-07
1043	490211.24, 3859816.13	3.59E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.09E-03	1.92E-06	5.59E-07
1044	490061.24, 3859866.13	3.47E-03	1.09E-06	3.18E-07	3.74E-03	1.18E-06	3.43E-07	5.89E-03	1.86E-06	5.40E-07
1045	490111.24, 3859866.13	3.46E-03	1.09E-06	3.18E-07	3.73E-03	1.18E-06	3.42E-07	5.87E-03	1.85E-06	5.39E-07
1046	490161.24, 3859866.13	3.46E-03	1.09E-06	3.17E-07	3.73E-03	1.18E-06	3.42E-07	5.87E-03	1.85E-06	5.39E-07
1047	490211.24, 3859866.13	3.46E-03	1.09E-06	3.17E-07	3.73E-03	1.18E-06	3.42E-07	5.87E-03	1.85E-06	5.38E-07
1048	490061.24, 3859916.13	3.36E-03	1.06E-06	3.08E-07	3.62E-03	1.14E-06	3.33E-07	5.71E-03	1.80E-06	5.24E-07
1049	490111.24, 3859916.13	3.35E-03	1.06E-06	3.07E-07	3.61E-03	1.14E-06	3.31E-07	5.69E-03	1.80E-06	5.22E-07
1050	490161.24, 3859916.13	3.34E-03	1.05E-06	3.07E-07	3.60E-03	1.14E-06	3.31E-07	5.67E-03	1.79E-06	5.21E-07
1051	490211.24, 3859916.13	3.33E-03	1.05E-06	3.06E-07	3.60E-03	1.13E-06	3.30E-07	5.66E-03	1.79E-06	5.20E-07
1052	490229.25, 3859815.26	3.60E-03	1.13E-06	3.30E-07	3.88E-03	1.22E-06	3.56E-07	6.10E-03	1.92E-06	5.60E-07
1053	490279.25, 3859815.26	3.60E-03	1.14E-06	3.31E-07	3.88E-03	1.23E-06	3.56E-07	6.11E-03	1.93E-06	5.61E-07
1054	490329.25, 3859815.26	3.61E-03	1.14E-06	3.31E-07	3.89E-03	1.23E-06	3.57E-07	6.12E-03	1.93E-06	5.62E-07
1055	490379.25, 3859815.26	3.62E-03	1.14E-06	3.33E-07	3.91E-03	1.23E-06	3.59E-07	6.14E-03	1.94E-06	5.64E-07
1056	490429.25, 3859815.26	3.64E-03	1.15E-06	3.34E-07	3.93E-03	1.24E-06	3.61E-07	6.18E-03	1.95E-06	5.67E-07
1057	490229.25, 3859865.26	3.46E-03	1.09E-06	3.17E-07	3.73E-03	1.18E-06	3.42E-07	5.87E-03	1.85E-06	5.39E-07
1058	490279.25, 3859865.26	3.46E-03	1.09E-06	3.18E-07	3.73E-03	1.18E-06	3.43E-07	5.87E-03	1.85E-06	5.39E-07
1059	490329.25, 3859865.26	3.47E-03	1.09E-06	3.18E-07	3.74E-03	1.18E-06	3.43E-07	5.88E-03	1.86E-06	5.40E-07
1060	490379.25, 3859865.26	3.47E-03	1.10E-06	3.19E-07	3.75E-03	1.18E-06	3.44E-07	5.90E-03	1.86E-06	5.41E-07
1061	490429.25, 3859865.26	3.49E-03	1.10E-06	3.20E-07	3.76E-03	1.19E-06	3.45E-07	5.92E-03	1.87E-06	5.43E-07
1062	490229.25, 3859915.26	3.34E-03	1.05E-06	3.06E-07	3.60E-03	1.14E-06	3.30E-07	5.67E-03	1.79E-06	5.20E-07
1063	490279.25, 3859915.26	3.33E-03	1.05E-06	3.06E-07	3.59E-03	1.13E-06	3.30E-07	5.66E-03	1.79E-06	5.20E-07
1064	490329.25, 3859915.26	3.33E-03	1.05E-06	3.06E-07	3.60E-03	1.13E-06	3.30E-07	5.66E-03	1.79E-06	5.20E-07
1065	490379.25, 3859915.26	3.34E-03	1.05E-06	3.07E-07	3.60E-03	1.14E-06	3.31E-07	5.67E-03	1.79E-06	5.21E-07
1066	490429.25, 3859915.26	3.35E-03	1.06E-06	3.07E-07	3.61E-03	1.14E-06	3.31E-07	5.68E-03	1.79E-06	5.22E-07
1067	490451.43, 3859872.59	3.47E-03	1.10E-06	3.19E-07	3.74E-03	1.18E-06	3.43E-07	5.89E-03	1.86E-06	5.41E-07
1068	490501.43, 3859872.59	3.49E-03	1.10E-06	3.20E-07	3.76E-03	1.19E-06	3.45E-07	5.92E-03	1.87E-06	5.43E-07
1069	490551.43, 3859872.59	3.51E-03	1.11E-06	3.22E-07	3.79E-03	1.19E-06	3.48E-07	5.96E-03	1.88E-06	5.47E-07
1070	490601.43, 3859872.59	3.53E-03	1.12E-06	3.24E-07	3.81E-03	1.20E-06	3.50E-07	6.00E-03	1.89E-06	5.51E-07
1071	490451.43, 3859922.59	3.33E-03	1.05E-06	3.06E-07	3.59E-03	1.13E-06	3.30E-07	5.66E-03	1.79E-06	5.19E-07
1072	490501.43, 3859922.59	3.34E-03	1.06E-06	3.07E-07	3.60E-03	1.14E-06	3.31E-07	5.68E-03	1.79E-06	5.21E-07
1073	490551.43, 3859922.59	3.36E-03	1.06E-06	3.09E-07	3.62E-03	1.14E-06	3.33E-07	5.71E-03	1.80E-06	5.24E-07
1074	490601.43, 3859922.59	3.38E-03	1.07E-06	3.11E-07	3.65E-03	1.15E-06	3.35E-07	5.75E-03	1.81E-06	5.28E-07
1075	482129.67, 3852241.07	1.45E-03	4.57E-07	1.33E-07	1.56E-03	4.92E-07	1.43E-07	2.43E-03	7.67E-07	2.23E-07
1076	482029.67, 3852291.07	1.55E-03	4.89E-07	1.42E-07	1.67E-03	5.27E-07	1.53E-07	2.61E-03	8.23E-07	2.39E-07
1077	482079.67, 3852291.07	1.53E-03	4.84E-07	1.41E-07	1.65E-03	5.21E-07	1.51E-07	2.58E-03	8.13E-07	2.36E-07
1078	482129.67, 3852291.07	1.51E-03	4.77E-07	1.39E-07	1.63E-03	5.14E-07	1.49E-07	2.54E-03	8.02E-07	2.33E-07
1079	482179.67, 3852291.07	1.48E-03	4.66E-07	1.36E-07	1.59E-03	5.02E-07	1.46E-07	2.48E-03	7.82E-07	2.27E-07
1080	482229.67, 3852291.07	1.44E-03	4.55E-07	1.32E-07	1.55E-03	4.90E-07	1.43E-07	2.42E-03	7.65E-07	2.23E-07
1081	482029.67, 3852341.07	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.70E-03	8.53E-07	2.48E-07
1082	482079.67, 3852341.07	1.59E-03	5.01E-07	1.46E-07	1.71E-03	5.39E-07	1.57E-07	2.67E-03	8.42E-07	2.45E-07
1083	482129.67, 3852341.07	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.33E-07	1.55E-07	2.64E-03	8.32E-07	2.42E-07
1084	482179.67, 3852341.07	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.60E-03	8.20E-07	2.39E-07
1085	482259.06, 3852400.14	1.59E-03	5.03E-07	1.46E-07	1.72E-03	5.41E-07	1.57E-07	2.67E-03	8.43E-07	2.45E-07
1086	482309.06, 3852400.14	1.55E-03	4.91E-07	1.43E-07	1.67E-03	5.28E-07	1.54E-07	2.61E-03	8.22E-07	2.39E-07
1087	482209.06, 3852450.14	1.67E-03	5.27E-07	1.53E-07	1.80E-03	5.67E-07	1.65E-07	2.80E-03	8.84E-07	2.57E-07
1088	482259.06, 3852450.14	1.65E-03	5.21E-07	1.52E-07	1.78E-03	5.61E-07	1.63E-07	2.77E-03	8.74E-07	2.54E-07
1089	482309.06, 3852450.14	1.63E-03	5.14E-07	1.50E-07	1.75E-03	5.54E-07	1.61E-07	2.73E-03	8.62E-07	2.51E-07
1090	482209.06, 3852500.14	1.73E-03	5.46E-07	1.59E-07	1.86E-03	5.88E-07	1.71E-07	2.90E-03	9.16E-07	2.67E-07
1091	482259.06, 3852500.14	1.71E-03	5.40E-07	1.57E-07	1.84E-03	5.81E-07	1.69E-07	2.87E-03	9.06E-07	2.63E-07
1092	482309.06, 3852500.14	1.69E-03	5.34E-07	1.55E-07	1.82E-03	5.75E-07	1.67E-07	2.84E-03	8.95E-07	2.60E-07
1093	482283.91, 3852513.62	1.72E-03	5.42E-07	1.58E-07	1.85E-03	5.84E-07	1.70E-07	2.88E-03	9.09E-07	2.64E-07
1094	482333.91, 3852513.62	1.70E-03	5.37E-07	1.56E-07	1.83E-03	5.78E-07	1.68E-07	2.85E-03	8.99E-07	2.62E-07

1095	482283.91, 3852563.62	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.06E-07	1.76E-07	2.99E-03	9.43E-07	2.74E-07
1096	482333.91, 3852563.62	1.77E-03	5.57E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	2.96E-03	9.34E-07	2.72E-07
1097	482383.91, 3852563.62	1.75E-03	5.53E-07	1.61E-07	1.88E-03	5.95E-07	1.73E-07	2.93E-03	9.25E-07	2.69E-07
1098	482283.91, 3852613.62	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.10E-03	9.79E-07	2.85E-07
1099	482333.91, 3852613.62	1.83E-03	5.78E-07	1.68E-07	1.97E-03	6.22E-07	1.81E-07	3.07E-03	9.68E-07	2.82E-07
1100	482383.91, 3852613.62	1.82E-03	5.73E-07	1.67E-07	1.96E-03	6.17E-07	1.79E-07	3.04E-03	9.60E-07	2.79E-07
1101	482602.38, 3852600.87	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.86E-07	1.70E-07	2.89E-03	9.13E-07	2.66E-07
1102	482652.38, 3852600.87	1.71E-03	5.40E-07	1.57E-07	1.84E-03	5.82E-07	1.69E-07	2.87E-03	9.07E-07	2.64E-07
1103	482702.38, 3852600.87	1.67E-03	5.26E-07	1.53E-07	1.80E-03	5.67E-07	1.65E-07	2.81E-03	8.86E-07	2.58E-07
1104	482552.38, 3852650.87	1.83E-03	5.77E-07	1.68E-07	1.97E-03	6.21E-07	1.81E-07	3.06E-03	9.67E-07	2.81E-07
1105	482602.38, 3852650.87	1.81E-03	5.70E-07	1.66E-07	1.94E-03	6.14E-07	1.78E-07	3.02E-03	9.54E-07	2.78E-07
1106	482652.38, 3852650.87	1.80E-03	5.67E-07	1.65E-07	1.93E-03	6.10E-07	1.78E-07	3.01E-03	9.50E-07	2.76E-07
1107	482702.38, 3852650.87	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.06E-07	1.76E-07	2.99E-03	9.43E-07	2.74E-07
1108	482552.38, 3852700.87	1.90E-03	6.00E-07	1.74E-07	2.05E-03	6.45E-07	1.88E-07	3.18E-03	1.00E-06	2.92E-07
1109	482602.38, 3852700.87	1.90E-03	5.99E-07	1.74E-07	2.04E-03	6.44E-07	1.87E-07	3.17E-03	1.00E-06	2.91E-07
1110	482652.38, 3852700.87	1.90E-03	5.99E-07	1.74E-07	2.04E-03	6.45E-07	1.87E-07	3.17E-03	1.00E-06	2.91E-07
1111	482702.38, 3852700.87	1.89E-03	5.95E-07	1.73E-07	2.03E-03	6.41E-07	1.86E-07	3.16E-03	9.96E-07	2.90E-07
1112	482452.38, 3852750.87	1.99E-03	6.29E-07	1.83E-07	2.15E-03	6.77E-07	1.97E-07	3.34E-03	1.05E-06	3.06E-07
1113	482521.29, 3852749.74	1.98E-03	6.25E-07	1.82E-07	2.13E-03	6.72E-07	1.96E-07	3.31E-03	1.05E-06	3.04E-07
1114	482571.29, 3852749.74	1.97E-03	6.23E-07	1.81E-07	2.12E-03	6.70E-07	1.95E-07	3.30E-03	1.04E-06	3.03E-07
1115	482521.29, 3852799.74	2.06E-03	6.49E-07	1.89E-07	2.21E-03	6.98E-07	2.03E-07	3.44E-03	1.09E-06	3.16E-07
1116	482571.29, 3852799.74	2.05E-03	6.48E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.43E-03	1.08E-06	3.15E-07
1117	482621.29, 3852799.74	2.05E-03	6.47E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.43E-03	1.08E-06	3.15E-07
1118	482571.29, 3852849.74	2.13E-03	6.73E-07	1.96E-07	2.30E-03	7.25E-07	2.11E-07	3.57E-03	1.13E-06	3.27E-07
1119	482621.29, 3852849.74	2.13E-03	6.73E-07	1.96E-07	2.30E-03	7.24E-07	2.11E-07	3.57E-03	1.13E-06	3.27E-07
1120	482577.42, 3852901.55	2.22E-03	7.02E-07	2.04E-07	2.39E-03	7.56E-07	2.20E-07	3.72E-03	1.17E-06	3.41E-07
1121	482627.42, 3852901.55	2.22E-03	7.02E-07	2.04E-07	2.39E-03	7.55E-07	2.20E-07	3.72E-03	1.17E-06	3.41E-07
1122	482629.96, 3852955.85	2.33E-03	7.35E-07	2.14E-07	2.51E-03	7.91E-07	2.30E-07	3.89E-03	1.23E-06	3.57E-07
1123	482679.96, 3852955.85	2.33E-03	7.35E-07	2.14E-07	2.51E-03	7.91E-07	2.30E-07	3.89E-03	1.23E-06	3.57E-07
1124	482781.63, 3853034.48	2.48E-03	7.83E-07	2.28E-07	2.67E-03	8.42E-07	2.45E-07	4.14E-03	1.31E-06	3.80E-07
1125	482831.63, 3853034.48	2.45E-03	7.72E-07	2.25E-07	2.63E-03	8.31E-07	2.42E-07	4.09E-03	1.29E-06	3.75E-07
1126	482881.63, 3853034.48	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.19E-07	2.38E-07	4.03E-03	1.27E-06	3.70E-07
1127	482781.63, 3853084.48	2.61E-03	8.23E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.35E-03	1.37E-06	3.99E-07
1128	482831.63, 3853084.48	2.58E-03	8.13E-07	2.36E-07	2.77E-03	8.74E-07	2.54E-07	4.29E-03	1.36E-06	3.94E-07
1129	482881.63, 3853084.48	2.54E-03	8.01E-07	2.33E-07	2.73E-03	8.62E-07	2.51E-07	4.23E-03	1.34E-06	3.89E-07
1130	482781.63, 3853134.48	2.75E-03	8.69E-07	2.53E-07	2.96E-03	9.34E-07	2.72E-07	4.58E-03	1.44E-06	4.20E-07
1131	482831.63, 3853134.48	2.72E-03	8.58E-07	2.50E-07	2.93E-03	9.23E-07	2.69E-07	4.53E-03	1.43E-06	4.16E-07
1132	482881.63, 3853134.48	2.68E-03	8.46E-07	2.46E-07	2.88E-03	9.10E-07	2.65E-07	4.46E-03	1.41E-06	4.10E-07
1133	482831.63, 3853184.48	2.88E-03	9.09E-07	2.65E-07	3.10E-03	9.78E-07	2.84E-07	4.78E-03	1.51E-06	4.39E-07
1134	482881.63, 3853184.48	2.84E-03	8.96E-07	2.61E-07	3.05E-03	9.64E-07	2.80E-07	4.72E-03	1.49E-06	4.33E-07
1135	484154.84, 3854250.98	9.56E-03	3.02E-06	8.78E-07	1.04E-02	3.28E-06	9.53E-07	1.71E-02	5.40E-06	1.57E-06
1136	484204.84, 3854250.98	9.29E-03	2.93E-06	8.53E-07	1.01E-02	3.18E-06	9.26E-07	1.66E-02	5.24E-06	1.52E-06
1137	484154.84, 3854300.98	9.91E-03	3.13E-06	9.10E-07	1.08E-02	3.40E-06	9.88E-07	1.77E-02	5.59E-06	1.63E-06
1138	484204.84, 3854300.98	9.75E-03	3.08E-06	8.95E-07	1.06E-02	3.34E-06	9.71E-07	1.74E-02	5.49E-06	1.60E-06
1139	484074.19, 3854519.8	1.47E-02	4.64E-06	1.35E-06	1.59E-02	5.02E-06	1.46E-06	2.58E-02	8.15E-06	2.37E-06
1140	484124.19, 3854519.8	1.40E-02	4.41E-06	1.28E-06	1.51E-02	4.77E-06	1.39E-06	2.45E-02	7.74E-06	2.25E-06
1141	484074.19, 3854569.8	1.63E-02	5.14E-06	1.50E-06	1.76E-02	5.56E-06	1.62E-06	2.84E-02	8.97E-06	2.61E-06
1142	484124.19, 3854569.8	1.53E-02	4.83E-06	1.40E-06	1.65E-02	5.22E-06	1.52E-06	2.67E-02	8.42E-06	2.45E-06
1143	485205.11, 3855188.89	2.66E-02	8.40E-06	2.44E-06	2.86E-02	9.04E-06	2.63E-06	4.46E-02	1.41E-05	4.10E-06
1144	485255.11, 3855188.89	2.51E-02	7.93E-06	2.31E-06	2.70E-02	8.53E-06	2.48E-06	4.22E-02	1.33E-05	3.87E-06
1145	485205.11, 3855238.89	2.77E-02	8.74E-06	2.54E-06	2.98E-02	9.41E-06	2.74E-06	4.64E-02	1.47E-05	4.26E-06
1146	485255.11, 3855238.89	2.67E-02	8.44E-06	2.45E-06	2.88E-02	9.08E-06	2.64E-06	4.49E-02	1.42E-05	4.12E-06
1147	485205.11, 3855288.89	3.10E-02	9.77E-06	2.84E-06	3.33E-02	1.05E-05	3.06E-06	5.19E-02	1.64E-05	4.77E-06
1148	485255.11, 3855288.89	2.94E-02	9.28E-06	2.70E-06	3.17E-02	1.00E-05	2.91E-06	4.94E-02	1.56E-05	4.53E-06
1149	485255.11, 3855338.89	3.24E-02	1.02E-05	2.97E-06	3.49E-02	1.10E-05	3.20E-06	5.45E-02	1.72E-05	5.00E-06
1150	485305.11, 3855338.89	3.06E-02	9.67E-06	2.81E-06	3.30E-02	1.04E-05	3.03E-06	5.15E-02	1.63E-05	4.73E-06
1151	485852.5, 3855635.28	2.95E-02	9.31E-06	2.71E-06	3.18E-02	1.00E-05	2.92E-06	5.02E-02	1.58E-05	4.61E-06
1152	485902.5, 3855635.28	2.81E-02	8.87E-06	2.58E-06	3.03E-02	9.56E-06	2.78E-06	4.78E-02	1.51E-05	4.39E-06
1153	485852.5, 3855685.28	3.10E-02	9.79E-06	2.85E-06	3.35E-02	1.06E-05	3.07E-06	5.29E-02	1.67E-05	4.85E-06
1154	485902.5, 3855685.28	2.95E-02	9.31E-06	2.71E-06	3.18E-02	1.00E-05	2.92E-06	5.03E-02	1.59E-05	4.61E-06
1155	485852.5, 3855735.28	3.27E-02	1.03E-05	3.00E-06	3.53E-02	1.11E-05	3.24E-06	5.58E-02	1.76E-05	5.12E-06

1156	485902.5, 3855735.28	3.13E-02	9.88E-06	2.87E-06	3.38E-02	1.07E-05	3.10E-06	5.34E-02	1.69E-05	4.90E-06
1157	485852.5, 3855785.28	3.48E-02	1.10E-05	3.20E-06	3.76E-02	1.19E-05	3.45E-06	5.95E-02	1.88E-05	5.46E-06
1158	485902.5, 3855785.28	3.28E-02	1.04E-05	3.01E-06	3.54E-02	1.12E-05	3.25E-06	5.61E-02	1.77E-05	5.15E-06
1159	486809.46, 3856465.28	3.30E-02	1.04E-05	3.03E-06	3.57E-02	1.13E-05	3.28E-06	5.70E-02	1.80E-05	5.24E-06
1160	486859.46, 3856465.28	3.24E-02	1.02E-05	2.97E-06	3.50E-02	1.10E-05	3.21E-06	5.59E-02	1.76E-05	5.13E-06
1161	486909.46, 3856465.28	3.16E-02	9.98E-06	2.90E-06	3.42E-02	1.08E-05	3.14E-06	5.46E-02	1.72E-05	5.01E-06
1162	486809.46, 3856515.28	3.46E-02	1.09E-05	3.18E-06	3.74E-02	1.18E-05	3.43E-06	5.98E-02	1.89E-05	5.49E-06
1163	486859.46, 3856515.28	3.40E-02	1.07E-05	3.12E-06	3.67E-02	1.16E-05	3.37E-06	5.87E-02	1.85E-05	5.39E-06
1164	486909.46, 3856515.28	3.32E-02	1.05E-05	3.05E-06	3.59E-02	1.13E-05	3.30E-06	5.74E-02	1.81E-05	5.27E-06
1165	486980.94, 3856357.95	2.81E-02	8.86E-06	2.58E-06	3.03E-02	9.57E-06	2.78E-06	4.84E-02	1.53E-05	4.45E-06
1166	487030.94, 3856357.95	2.76E-02	8.70E-06	2.53E-06	2.98E-02	9.40E-06	2.73E-06	4.75E-02	1.50E-05	4.36E-06
1167	486980.94, 3856407.95	2.93E-02	9.25E-06	2.69E-06	3.17E-02	1.00E-05	2.91E-06	5.06E-02	1.60E-05	4.64E-06
1168	487030.94, 3856407.95	2.87E-02	9.07E-06	2.64E-06	3.10E-02	9.80E-06	2.85E-06	4.96E-02	1.56E-05	4.55E-06
1169	487447.18, 3856437.45	2.54E-02	8.01E-06	2.33E-06	2.74E-02	8.65E-06	2.52E-06	4.38E-02	1.38E-05	4.02E-06
1170	487497.18, 3856437.45	2.50E-02	7.88E-06	2.29E-06	2.70E-02	8.52E-06	2.48E-06	4.31E-02	1.36E-05	3.95E-06
1171	487547.18, 3856437.45	2.46E-02	7.76E-06	2.26E-06	2.66E-02	8.39E-06	2.44E-06	4.24E-02	1.34E-05	3.89E-06
1172	487447.18, 3856487.45	2.63E-02	8.31E-06	2.42E-06	2.84E-02	8.97E-06	2.61E-06	4.54E-02	1.43E-05	4.17E-06
1173	487497.18, 3856487.45	2.59E-02	8.16E-06	2.37E-06	2.79E-02	8.82E-06	2.57E-06	4.46E-02	1.41E-05	4.10E-06
1174	487547.18, 3856487.45	2.55E-02	8.04E-06	2.34E-06	2.75E-02	8.68E-06	2.53E-06	4.39E-02	1.39E-05	4.03E-06
1175	487447.18, 3856537.45	2.73E-02	8.61E-06	2.51E-06	2.95E-02	9.30E-06	2.71E-06	4.71E-02	1.49E-05	4.32E-06
1176	487497.18, 3856537.45	2.68E-02	8.45E-06	2.46E-06	2.89E-02	9.13E-06	2.66E-06	4.62E-02	1.46E-05	4.24E-06
1177	487547.18, 3856537.45	2.64E-02	8.32E-06	2.42E-06	2.85E-02	8.99E-06	2.62E-06	4.55E-02	1.44E-05	4.18E-06
1178	489285.89, 3858826.54	1.20E-02	3.80E-06	1.10E-06	1.29E-02	4.06E-06	1.18E-06	1.91E-02	6.02E-06	1.75E-06
1179	489335.89, 3858826.54	1.17E-02	3.70E-06	1.08E-06	1.25E-02	3.96E-06	1.15E-06	1.87E-02	5.91E-06	1.72E-06
1180	489385.89, 3858826.54	1.14E-02	3.61E-06	1.05E-06	1.23E-02	3.87E-06	1.13E-06	1.84E-02	5.81E-06	1.69E-06
1181	489435.89, 3858826.54	1.12E-02	3.54E-06	1.03E-06	1.20E-02	3.79E-06	1.10E-06	1.81E-02	5.72E-06	1.66E-06
1182	489485.89, 3858826.54	1.10E-02	3.47E-06	1.01E-06	1.18E-02	3.72E-06	1.08E-06	1.79E-02	5.64E-06	1.64E-06
1183	489535.89, 3858826.54	1.08E-02	3.40E-06	9.89E-07	1.16E-02	3.65E-06	1.06E-06	1.76E-02	5.56E-06	1.62E-06
1184	489585.89, 3858826.54	1.06E-02	3.34E-06	9.72E-07	1.14E-02	3.59E-06	1.04E-06	1.74E-02	5.48E-06	1.60E-06
1185	489635.89, 3858826.54	1.04E-02	3.29E-06	9.56E-07	1.12E-02	3.53E-06	1.03E-06	1.72E-02	5.41E-06	1.57E-06
1186	489685.89, 3858826.54	1.02E-02	3.24E-06	9.41E-07	1.10E-02	3.48E-06	1.01E-06	1.69E-02	5.34E-06	1.55E-06
1187	489735.89, 3858826.54	1.01E-02	3.19E-06	9.27E-07	1.09E-02	3.42E-06	9.96E-07	1.67E-02	5.28E-06	1.54E-06
1188	489785.89, 3858826.54	9.94E-03	3.14E-06	9.13E-07	1.07E-02	3.38E-06	9.82E-07	1.65E-02	5.21E-06	1.52E-06
1189	489835.89, 3858826.54	9.80E-03	3.09E-06	9.00E-07	1.05E-02	3.33E-06	9.68E-07	1.63E-02	5.15E-06	1.50E-06
1190	489885.89, 3858826.54	9.67E-03	3.05E-06	8.87E-07	1.04E-02	3.28E-06	9.55E-07	1.61E-02	5.09E-06	1.48E-06
1191	489935.89, 3858826.54	9.53E-03	3.01E-06	8.75E-07	1.03E-02	3.24E-06	9.42E-07	1.59E-02	5.03E-06	1.46E-06
1192	489985.89, 3858826.54	9.41E-03	2.97E-06	8.64E-07	1.01E-02	3.20E-06	9.30E-07	1.58E-02	4.97E-06	1.45E-06
1193	490035.89, 3858826.54	9.29E-03	2.93E-06	8.53E-07	1.00E-02	3.16E-06	9.18E-07	1.56E-02	4.92E-06	1.43E-06
1194	489285.89, 3858876.54	1.12E-02	3.55E-06	1.03E-06	1.20E-02	3.80E-06	1.10E-06	1.78E-02	5.62E-06	1.64E-06
1195	489335.89, 3858876.54	1.10E-02	3.46E-06	1.01E-06	1.17E-02	3.71E-06	1.08E-06	1.75E-02	5.53E-06	1.61E-06
1196	489385.89, 3858876.54	1.07E-02	3.39E-06	9.86E-07	1.15E-02	3.63E-06	1.06E-06	1.73E-02	5.45E-06	1.59E-06
1197	489435.89, 3858876.54	1.05E-02	3.32E-06	9.67E-07	1.13E-02	3.56E-06	1.04E-06	1.70E-02	5.38E-06	1.56E-06
1198	489485.89, 3858876.54	1.03E-02	3.26E-06	9.49E-07	1.11E-02	3.50E-06	1.02E-06	1.68E-02	5.31E-06	1.54E-06
1199	489535.89, 3858876.54	1.02E-02	3.21E-06	9.33E-07	1.09E-02	3.44E-06	1.00E-06	1.66E-02	5.24E-06	1.52E-06
1200	489585.89, 3858876.54	1.00E-02	3.16E-06	9.19E-07	1.07E-02	3.39E-06	9.86E-07	1.64E-02	5.18E-06	1.51E-06
1201	489635.89, 3858876.54	9.86E-03	3.11E-06	9.05E-07	1.06E-02	3.34E-06	9.72E-07	1.62E-02	5.12E-06	1.49E-06
1202	489685.89, 3858876.54	9.71E-03	3.07E-06	8.92E-07	1.04E-02	3.29E-06	9.58E-07	1.60E-02	5.06E-06	1.47E-06
1203	489735.89, 3858876.54	9.58E-03	3.02E-06	8.79E-07	1.03E-02	3.25E-06	9.45E-07	1.59E-02	5.01E-06	1.46E-06
1204	489785.89, 3858876.54	9.45E-03	2.98E-06	8.67E-07	1.02E-02	3.21E-06	9.33E-07	1.57E-02	4.95E-06	1.44E-06
1205	489835.89, 3858876.54	9.33E-03	2.94E-06	8.56E-07	1.00E-02	3.17E-06	9.21E-07	1.55E-02	4.90E-06	1.42E-06
1206	489885.89, 3858876.54	9.21E-03	2.91E-06	8.45E-07	9.90E-03	3.13E-06	9.09E-07	1.53E-02	4.84E-06	1.41E-06
1207	489935.89, 3858876.54	9.09E-03	2.87E-06	8.35E-07	9.78E-03	3.09E-06	8.98E-07	1.52E-02	4.79E-06	1.39E-06
1208	489985.89, 3858876.54	8.98E-03	2.83E-06	8.25E-07	9.67E-03	3.05E-06	8.88E-07	1.50E-02	4.74E-06	1.38E-06
1209	490035.89, 3858876.54	8.88E-03	2.80E-06	8.15E-07	9.55E-03	3.02E-06	8.77E-07	1.49E-02	4.70E-06	1.37E-06
1210	489285.89, 3858926.54	1.04E-02	3.28E-06	9.55E-07	1.11E-02	3.51E-06	1.02E-06	1.65E-02	5.22E-06	1.52E-06
1211	489335.89, 3858926.54	1.02E-02	3.22E-06	9.36E-07	1.09E-02	3.45E-06	1.00E-06	1.63E-02	5.15E-06	1.50E-06
1212	489385.89, 3858926.54	1.00E-02	3.16E-06	9.19E-07	1.07E-02	3.39E-06	9.85E-07	1.61E-02	5.09E-06	1.48E-06
1213	489435.89, 3858926.54	9.85E-03	3.11E-06	9.04E-07	1.06E-02	3.33E-06	9.69E-07	1.60E-02	5.04E-06	1.46E-06
1214	489485.89, 3858926.54	9.70E-03	3.06E-06	8.90E-07	1.04E-02	3.28E-06	9.55E-07	1.58E-02	4.98E-06	1.45E-06
1215	489535.89, 3858926.54	9.56E-03	3.02E-06	8.77E-07	1.03E-02	3.24E-06	9.42E-07	1.56E-02	4.93E-06	1.43E-06
1216	489585.89, 3858926.54	9.43E-03	2.97E-06	8.65E-07	1.01E-02	3.19E-06	9.29E-07	1.55E-02	4.88E-06	1.42E-06

1217	489635.89, 3858926.54	9.30E-03	2.94E-06	8.54E-07	9.99E-03	3.15E-06	9.17E-07	1.53E-02	4.83E-06	1.41E-06
1218	489685.89, 3858926.54	9.19E-03	2.90E-06	8.43E-07	9.87E-03	3.12E-06	9.06E-07	1.52E-02	4.79E-06	1.39E-06
1219	489735.89, 3858926.54	9.07E-03	2.86E-06	8.33E-07	9.75E-03	3.08E-06	8.95E-07	1.50E-02	4.74E-06	1.38E-06
1220	489785.89, 3858926.54	8.96E-03	2.83E-06	8.23E-07	9.64E-03	3.04E-06	8.85E-07	1.49E-02	4.69E-06	1.37E-06
1221	489835.89, 3858926.54	8.86E-03	2.80E-06	8.13E-07	9.53E-03	3.01E-06	8.75E-07	1.47E-02	4.65E-06	1.35E-06
1222	489885.89, 3858926.54	8.76E-03	2.76E-06	8.04E-07	9.42E-03	2.97E-06	8.65E-07	1.46E-02	4.61E-06	1.34E-06
1223	489935.89, 3858926.54	8.66E-03	2.73E-06	7.95E-07	9.32E-03	2.94E-06	8.55E-07	1.45E-02	4.56E-06	1.33E-06
1224	489985.89, 3858926.54	8.56E-03	2.70E-06	7.86E-07	9.22E-03	2.91E-06	8.46E-07	1.43E-02	4.52E-06	1.32E-06
1225	490035.89, 3858926.54	8.47E-03	2.67E-06	7.78E-07	9.12E-03	2.88E-06	8.37E-07	1.42E-02	4.48E-06	1.30E-06
1226	489335.89, 3858976.54	9.41E-03	2.97E-06	8.64E-07	1.01E-02	3.18E-06	9.26E-07	1.51E-02	4.78E-06	1.39E-06
1227	489385.89, 3858976.54	9.29E-03	2.93E-06	8.53E-07	9.96E-03	3.14E-06	9.15E-07	1.50E-02	4.74E-06	1.38E-06
1228	489435.89, 3858976.54	9.17E-03	2.90E-06	8.42E-07	9.84E-03	3.11E-06	9.03E-07	1.49E-02	4.70E-06	1.37E-06
1229	489485.89, 3858976.54	9.06E-03	2.86E-06	8.32E-07	9.73E-03	3.07E-06	8.93E-07	1.48E-02	4.67E-06	1.36E-06
1230	489535.89, 3858976.54	8.96E-03	2.83E-06	8.23E-07	9.62E-03	3.04E-06	8.83E-07	1.47E-02	4.63E-06	1.35E-06
1231	489585.89, 3858976.54	8.86E-03	2.80E-06	8.13E-07	9.51E-03	3.00E-06	8.73E-07	1.46E-02	4.59E-06	1.34E-06
1232	489635.89, 3858976.54	8.76E-03	2.77E-06	8.04E-07	9.41E-03	2.97E-06	8.64E-07	1.44E-02	4.56E-06	1.33E-06
1233	489685.89, 3858976.54	8.67E-03	2.74E-06	7.96E-07	9.32E-03	2.94E-06	8.55E-07	1.43E-02	4.52E-06	1.32E-06
1234	489735.89, 3858976.54	8.58E-03	2.71E-06	7.88E-07	9.22E-03	2.91E-06	8.47E-07	1.42E-02	4.48E-06	1.30E-06
1235	489785.89, 3858976.54	8.49E-03	2.68E-06	7.79E-07	9.13E-03	2.88E-06	8.38E-07	1.41E-02	4.45E-06	1.29E-06
1236	489835.89, 3858976.54	8.40E-03	2.65E-06	7.71E-07	9.03E-03	2.85E-06	8.29E-07	1.40E-02	4.41E-06	1.28E-06
1237	489885.89, 3858976.54	8.32E-03	2.63E-06	7.64E-07	8.95E-03	2.82E-06	8.22E-07	1.39E-02	4.38E-06	1.27E-06
1238	489935.89, 3858976.54	8.24E-03	2.60E-06	7.56E-07	8.87E-03	2.80E-06	8.14E-07	1.38E-02	4.34E-06	1.26E-06
1239	489985.89, 3858976.54	8.16E-03	2.57E-06	7.49E-07	8.78E-03	2.77E-06	8.06E-07	1.36E-02	4.31E-06	1.25E-06
1240	490035.89, 3858976.54	8.09E-03	2.55E-06	7.42E-07	8.71E-03	2.75E-06	7.99E-07	1.36E-02	4.28E-06	1.25E-06
1241	489385.89, 3859026.54	8.60E-03	2.71E-06	7.89E-07	9.22E-03	2.91E-06	8.46E-07	1.40E-02	4.41E-06	1.28E-06
1242	489435.89, 3859026.54	8.53E-03	2.69E-06	7.83E-07	9.15E-03	2.89E-06	8.40E-07	1.39E-02	4.39E-06	1.28E-06
1243	489485.89, 3859026.54	8.46E-03	2.67E-06	7.76E-07	9.08E-03	2.86E-06	8.33E-07	1.38E-02	4.37E-06	1.27E-06
1244	489535.89, 3859026.54	8.38E-03	2.65E-06	7.70E-07	9.00E-03	2.84E-06	8.27E-07	1.38E-02	4.34E-06	1.26E-06
1245	489585.89, 3859026.54	8.31E-03	2.62E-06	7.63E-07	8.93E-03	2.82E-06	8.20E-07	1.37E-02	4.32E-06	1.26E-06
1246	489635.89, 3859026.54	8.24E-03	2.60E-06	7.57E-07	8.86E-03	2.80E-06	8.13E-07	1.36E-02	4.29E-06	1.25E-06
1247	489685.89, 3859026.54	8.17E-03	2.58E-06	7.50E-07	8.78E-03	2.77E-06	8.06E-07	1.35E-02	4.27E-06	1.24E-06
1248	489735.89, 3859026.54	8.10E-03	2.56E-06	7.44E-07	8.71E-03	2.75E-06	7.99E-07	1.34E-02	4.24E-06	1.23E-06
1249	489785.89, 3859026.54	8.03E-03	2.53E-06	7.37E-07	8.63E-03	2.73E-06	7.93E-07	1.33E-02	4.21E-06	1.22E-06
1250	489835.89, 3859026.54	7.96E-03	2.51E-06	7.31E-07	8.57E-03	2.70E-06	7.87E-07	1.33E-02	4.19E-06	1.22E-06
1251	489885.89, 3859026.54	7.90E-03	2.49E-06	7.25E-07	8.50E-03	2.68E-06	7.80E-07	1.32E-02	4.16E-06	1.21E-06
1252	489935.89, 3859026.54	7.83E-03	2.47E-06	7.19E-07	8.43E-03	2.66E-06	7.74E-07	1.31E-02	4.13E-06	1.20E-06
1253	489985.89, 3859026.54	7.77E-03	2.45E-06	7.13E-07	8.36E-03	2.64E-06	7.68E-07	1.30E-02	4.10E-06	1.19E-06
1254	490035.89, 3859026.54	7.71E-03	2.43E-06	7.08E-07	8.30E-03	2.62E-06	7.62E-07	1.29E-02	4.08E-06	1.19E-06
1255	489485.89, 3859076.54	7.88E-03	2.49E-06	7.23E-07	8.46E-03	2.67E-06	7.77E-07	1.29E-02	4.09E-06	1.19E-06
1256	489535.89, 3859076.54	7.84E-03	2.47E-06	7.20E-07	8.42E-03	2.66E-06	7.73E-07	1.29E-02	4.08E-06	1.19E-06
1257	489585.89, 3859076.54	7.79E-03	2.46E-06	7.15E-07	8.37E-03	2.64E-06	7.69E-07	1.29E-02	4.06E-06	1.18E-06
1258	489635.89, 3859076.54	7.74E-03	2.44E-06	7.11E-07	8.32E-03	2.63E-06	7.64E-07	1.28E-02	4.04E-06	1.18E-06
1259	489685.89, 3859076.54	7.69E-03	2.43E-06	7.06E-07	8.27E-03	2.61E-06	7.59E-07	1.28E-02	4.03E-06	1.17E-06
1260	489735.89, 3859076.54	7.64E-03	2.41E-06	7.02E-07	8.22E-03	2.59E-06	7.54E-07	1.27E-02	4.01E-06	1.17E-06
1261	489785.89, 3859076.54	7.59E-03	2.40E-06	6.97E-07	8.16E-03	2.58E-06	7.49E-07	1.26E-02	3.99E-06	1.16E-06
1262	489835.89, 3859076.54	7.54E-03	2.38E-06	6.92E-07	8.11E-03	2.56E-06	7.45E-07	1.26E-02	3.97E-06	1.15E-06
1263	489885.89, 3859076.54	7.49E-03	2.36E-06	6.88E-07	8.06E-03	2.54E-06	7.40E-07	1.25E-02	3.95E-06	1.15E-06
1264	489935.89, 3859076.54	7.44E-03	2.35E-06	6.83E-07	8.01E-03	2.53E-06	7.35E-07	1.24E-02	3.93E-06	1.14E-06
1265	489985.89, 3859076.54	7.39E-03	2.33E-06	6.78E-07	7.95E-03	2.51E-06	7.30E-07	1.24E-02	3.91E-06	1.14E-06
1266	490035.89, 3859076.54	7.35E-03	2.32E-06	6.74E-07	7.91E-03	2.50E-06	7.26E-07	1.23E-02	3.89E-06	1.13E-06
1267	489585.89, 3859126.54	7.30E-03	2.30E-06	6.70E-07	7.85E-03	2.48E-06	7.20E-07	1.21E-02	3.82E-06	1.11E-06
1268	489635.89, 3859126.54	7.27E-03	2.30E-06	6.68E-07	7.82E-03	2.47E-06	7.18E-07	1.21E-02	3.81E-06	1.11E-06
1269	489685.89, 3859126.54	7.24E-03	2.29E-06	6.65E-07	7.79E-03	2.46E-06	7.15E-07	1.20E-02	3.80E-06	1.10E-06
1270	489735.89, 3859126.54	7.21E-03	2.28E-06	6.62E-07	7.75E-03	2.45E-06	7.12E-07	1.20E-02	3.79E-06	1.10E-06
1271	489785.89, 3859126.54	7.17E-03	2.26E-06	6.59E-07	7.72E-03	2.44E-06	7.08E-07	1.20E-02	3.77E-06	1.10E-06
1272	489835.89, 3859126.54	7.14E-03	2.25E-06	6.55E-07	7.68E-03	2.42E-06	7.05E-07	1.19E-02	3.76E-06	1.09E-06
1273	489885.89, 3859126.54	7.10E-03	2.24E-06	6.52E-07	7.64E-03	2.41E-06	7.02E-07	1.19E-02	3.75E-06	1.09E-06
1274	489935.89, 3859126.54	7.06E-03	2.23E-06	6.48E-07	7.60E-03	2.40E-06	6.98E-07	1.18E-02	3.73E-06	1.09E-06
1275	489985.89, 3859126.54	7.03E-03	2.22E-06	6.45E-07	7.57E-03	2.39E-06	6.95E-07	1.18E-02	3.72E-06	1.08E-06
1276	490035.89, 3859126.54	6.99E-03	2.21E-06	6.42E-07	7.53E-03	2.38E-06	6.91E-07	1.17E-02	3.71E-06	1.08E-06
1277	489585.89, 3859176.54	6.84E-03	2.16E-06	6.28E-07	7.36E-03	2.32E-06	6.75E-07	1.14E-02	3.59E-06	1.04E-06

1278	489635.89, 3859176.54	6.83E-03	2.16E-06	6.27E-07	7.35E-03	2.32E-06	6.74E-07	1.14E-02	3.58E-06	1.04E-06
1279	489685.89, 3859176.54	6.81E-03	2.15E-06	6.26E-07	7.33E-03	2.31E-06	6.73E-07	1.13E-02	3.58E-06	1.04E-06
1280	489735.89, 3859176.54	6.80E-03	2.14E-06	6.24E-07	7.31E-03	2.31E-06	6.71E-07	1.13E-02	3.57E-06	1.04E-06
1281	489785.89, 3859176.54	6.78E-03	2.14E-06	6.22E-07	7.29E-03	2.30E-06	6.69E-07	1.13E-02	3.57E-06	1.04E-06
1282	489835.89, 3859176.54	6.75E-03	2.13E-06	6.20E-07	7.27E-03	2.29E-06	6.67E-07	1.13E-02	3.56E-06	1.04E-06
1283	489885.89, 3859176.54	6.73E-03	2.12E-06	6.18E-07	7.25E-03	2.29E-06	6.65E-07	1.13E-02	3.56E-06	1.03E-06
1284	489935.89, 3859176.54	6.70E-03	2.12E-06	6.15E-07	7.22E-03	2.28E-06	6.63E-07	1.12E-02	3.55E-06	1.03E-06
1285	489985.89, 3859176.54	6.68E-03	2.11E-06	6.13E-07	7.20E-03	2.27E-06	6.61E-07	1.12E-02	3.54E-06	1.03E-06
1286	490035.89, 3859176.54	6.65E-03	2.10E-06	6.11E-07	7.16E-03	2.26E-06	6.58E-07	1.12E-02	3.53E-06	1.03E-06
1287	489685.89, 3859226.54	6.42E-03	2.03E-06	5.89E-07	6.90E-03	2.18E-06	6.34E-07	1.07E-02	3.38E-06	9.83E-07
1288	489735.89, 3859226.54	6.41E-03	2.02E-06	5.88E-07	6.90E-03	2.18E-06	6.33E-07	1.07E-02	3.38E-06	9.82E-07
1289	489785.89, 3859226.54	6.40E-03	2.02E-06	5.88E-07	6.89E-03	2.17E-06	6.32E-07	1.07E-02	3.38E-06	9.82E-07
1290	489835.89, 3859226.54	6.39E-03	2.02E-06	5.87E-07	6.88E-03	2.17E-06	6.32E-07	1.07E-02	3.38E-06	9.83E-07
1291	489885.89, 3859226.54	6.38E-03	2.01E-06	5.86E-07	6.87E-03	2.17E-06	6.31E-07	1.07E-02	3.38E-06	9.82E-07
1292	489935.89, 3859226.54	6.37E-03	2.01E-06	5.84E-07	6.85E-03	2.16E-06	6.29E-07	1.07E-02	3.37E-06	9.81E-07
1293	489985.89, 3859226.54	6.35E-03	2.01E-06	5.83E-07	6.84E-03	2.16E-06	6.28E-07	1.07E-02	3.37E-06	9.81E-07
1294	490035.89, 3859226.54	6.33E-03	2.00E-06	5.81E-07	6.82E-03	2.15E-06	6.26E-07	1.07E-02	3.36E-06	9.78E-07
1295	489735.89, 3859276.54	6.04E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.97E-07	1.01E-02	3.19E-06	9.28E-07
1296	489785.89, 3859276.54	6.05E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.97E-07	1.01E-02	3.19E-06	9.29E-07
1297	489835.89, 3859276.54	6.05E-03	1.91E-06	5.56E-07	6.51E-03	2.06E-06	5.98E-07	1.01E-02	3.20E-06	9.31E-07
1298	489885.89, 3859276.54	6.05E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.98E-07	1.01E-02	3.20E-06	9.31E-07
1299	489935.89, 3859276.54	6.04E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.97E-07	1.02E-02	3.20E-06	9.32E-07
1300	489985.89, 3859276.54	6.04E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.97E-07	1.02E-02	3.21E-06	9.34E-07
1301	490035.89, 3859276.54	6.02E-03	1.90E-06	5.53E-07	6.49E-03	2.05E-06	5.96E-07	1.01E-02	3.20E-06	9.31E-07
1302	490458.06, 3859590.74	4.48E-03	1.41E-06	4.12E-07	4.83E-03	1.53E-06	4.44E-07	7.60E-03	2.40E-06	6.98E-07
1303	490508.06, 3859590.74	4.49E-03	1.42E-06	4.13E-07	4.85E-03	1.53E-06	4.45E-07	7.62E-03	2.41E-06	7.00E-07
1304	490558.06, 3859590.74	4.50E-03	1.42E-06	4.13E-07	4.85E-03	1.53E-06	4.46E-07	7.64E-03	2.41E-06	7.02E-07
1305	490608.06, 3859590.74	4.51E-03	1.42E-06	4.14E-07	4.86E-03	1.53E-06	4.46E-07	7.66E-03	2.42E-06	7.03E-07
1306	490658.06, 3859590.74	4.51E-03	1.42E-06	4.14E-07	4.86E-03	1.54E-06	4.46E-07	7.67E-03	2.42E-06	7.04E-07
1307	490708.06, 3859590.74	4.51E-03	1.42E-06	4.14E-07	4.86E-03	1.54E-06	4.47E-07	7.67E-03	2.42E-06	7.05E-07
1308	490758.06, 3859590.74	4.51E-03	1.42E-06	4.14E-07	4.86E-03	1.53E-06	4.46E-07	7.67E-03	2.42E-06	7.05E-07
1309	490808.06, 3859590.74	4.50E-03	1.42E-06	4.13E-07	4.85E-03	1.53E-06	4.46E-07	7.67E-03	2.42E-06	7.04E-07
1310	490858.06, 3859590.74	4.49E-03	1.42E-06	4.12E-07	4.84E-03	1.53E-06	4.45E-07	7.66E-03	2.42E-06	7.03E-07
1311	490458.06, 3859640.74	4.28E-03	1.35E-06	3.93E-07	4.62E-03	1.46E-06	4.24E-07	7.26E-03	2.29E-06	6.66E-07
1312	490508.06, 3859640.74	4.30E-03	1.36E-06	3.95E-07	4.63E-03	1.46E-06	4.25E-07	7.29E-03	2.30E-06	6.69E-07
1313	490558.06, 3859640.74	4.31E-03	1.36E-06	3.96E-07	4.65E-03	1.47E-06	4.27E-07	7.32E-03	2.31E-06	6.72E-07
1314	490608.06, 3859640.74	4.32E-03	1.36E-06	3.97E-07	4.66E-03	1.47E-06	4.28E-07	7.34E-03	2.32E-06	6.74E-07
1315	490658.06, 3859640.74	4.33E-03	1.37E-06	3.98E-07	4.67E-03	1.47E-06	4.29E-07	7.37E-03	2.32E-06	6.76E-07
1316	490708.06, 3859640.74	4.34E-03	1.37E-06	3.98E-07	4.68E-03	1.48E-06	4.29E-07	7.38E-03	2.33E-06	6.77E-07
1317	490758.06, 3859640.74	4.34E-03	1.37E-06	3.98E-07	4.68E-03	1.48E-06	4.30E-07	7.39E-03	2.33E-06	6.78E-07
1318	490808.06, 3859640.74	4.34E-03	1.37E-06	3.98E-07	4.68E-03	1.48E-06	4.29E-07	7.39E-03	2.33E-06	6.78E-07
1319	490858.06, 3859640.74	4.33E-03	1.37E-06	3.98E-07	4.67E-03	1.48E-06	4.29E-07	7.39E-03	2.33E-06	6.78E-07
1320	490608.06, 3859690.74	4.14E-03	1.31E-06	3.81E-07	4.47E-03	1.41E-06	4.10E-07	7.04E-03	2.22E-06	6.46E-07
1321	490658.06, 3859690.74	4.16E-03	1.31E-06	3.82E-07	4.49E-03	1.42E-06	4.12E-07	7.07E-03	2.23E-06	6.49E-07
1322	490708.06, 3859690.74	4.17E-03	1.32E-06	3.83E-07	4.50E-03	1.42E-06	4.13E-07	7.09E-03	2.24E-06	6.51E-07
1323	490758.06, 3859690.74	4.18E-03	1.32E-06	3.83E-07	4.50E-03	1.42E-06	4.13E-07	7.11E-03	2.24E-06	6.52E-07
1324	490808.06, 3859690.74	4.18E-03	1.32E-06	3.84E-07	4.51E-03	1.42E-06	4.14E-07	7.12E-03	2.25E-06	6.53E-07
1325	490858.06, 3859690.74	4.18E-03	1.32E-06	3.84E-07	4.51E-03	1.42E-06	4.14E-07	7.12E-03	2.25E-06	6.53E-07
1326	490708.06, 3859740.74	4.00E-03	1.26E-06	3.67E-07	4.32E-03	1.36E-06	3.96E-07	6.80E-03	2.15E-06	6.24E-07
1327	490758.06, 3859740.74	4.01E-03	1.27E-06	3.68E-07	4.32E-03	1.36E-06	3.97E-07	6.82E-03	2.15E-06	6.26E-07
1328	490808.06, 3859740.74	4.02E-03	1.27E-06	3.69E-07	4.33E-03	1.37E-06	3.98E-07	6.84E-03	2.16E-06	6.28E-07
1329	490858.06, 3859740.74	4.02E-03	1.27E-06	3.69E-07	4.34E-03	1.37E-06	3.98E-07	6.85E-03	2.16E-06	6.28E-07
1330	490786.56, 3859749.39	3.99E-03	1.26E-06	3.66E-07	4.30E-03	1.36E-06	3.95E-07	6.78E-03	2.14E-06	6.22E-07
1331	490836.56, 3859749.39	3.99E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.95E-07	6.80E-03	2.14E-06	6.24E-07
1332	490786.56, 3859799.39	3.83E-03	1.21E-06	3.51E-07	4.13E-03	1.30E-06	3.79E-07	6.50E-03	2.05E-06	5.97E-07
1333	490836.56, 3859799.39	3.84E-03	1.21E-06	3.52E-07	4.14E-03	1.31E-06	3.80E-07	6.53E-03	2.06E-06	5.99E-07
1334	492307.84, 3854508.36	3.98E-03	1.26E-06	3.66E-07	4.30E-03	1.36E-06	3.95E-07	6.85E-03	2.16E-06	6.29E-07
1335	486445.7, 3854753.6	7.94E-03	2.51E-06	7.29E-07	8.57E-03	2.70E-06	7.87E-07	1.35E-02	4.27E-06	1.24E-06
1336	472599.75, 3877830.11	1.33E-04	4.21E-08	1.22E-08	1.44E-04	4.53E-08	1.32E-08	2.24E-04	7.08E-08	2.06E-08
1337	493107.48, 3866840.19	4.00E-04	1.26E-07	3.67E-08	4.31E-04	1.36E-07	3.96E-08	6.83E-04	2.15E-07	6.27E-08
1338	495815.8, 3861662.87	1.45E-03	4.58E-07	1.33E-07	1.57E-03	4.95E-07	1.44E-07	2.50E-03	7.89E-07	2.29E-07

1339	480272.33, 3841389.2	4.10E-05	1.29E-08	3.76E-09	4.42E-05	1.40E-08	4.06E-09	6.98E-05	2.20E-08	6.41E-09
1340	497005.18, 3862813.64	1.03E-03	3.26E-07	9.49E-08	1.12E-03	3.52E-07	1.02E-07	1.78E-03	5.62E-07	1.63E-07
1341	493677.33, 3860302.55	2.65E-03	8.35E-07	2.43E-07	2.86E-03	9.02E-07	2.62E-07	4.55E-03	1.44E-06	4.17E-07
1342	493727.33, 3860302.55	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1343	493777.33, 3860302.55	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
1344	493827.33, 3860302.55	2.62E-03	8.27E-07	2.41E-07	2.83E-03	8.93E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
1345	493877.33, 3860302.55	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
1346	493927.33, 3860302.55	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.47E-03	1.41E-06	4.11E-07
1347	493977.33, 3860302.55	2.60E-03	8.19E-07	2.38E-07	2.80E-03	8.85E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
1348	494027.33, 3860302.55	2.59E-03	8.17E-07	2.38E-07	2.79E-03	8.82E-07	2.56E-07	4.45E-03	1.40E-06	4.08E-07
1349	493677.33, 3860352.55	2.60E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
1350	493727.33, 3860352.55	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
1351	493777.33, 3860352.55	2.58E-03	8.13E-07	2.37E-07	2.78E-03	8.78E-07	2.55E-07	4.43E-03	1.40E-06	4.07E-07
1352	493827.33, 3860352.55	2.57E-03	8.11E-07	2.36E-07	2.77E-03	8.76E-07	2.55E-07	4.42E-03	1.39E-06	4.05E-07
1353	493877.33, 3860352.55	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
1354	493927.33, 3860352.55	2.55E-03	8.06E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
1355	493977.33, 3860352.55	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
1356	494027.33, 3860352.55	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
1357	493677.33, 3860402.55	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
1358	493727.33, 3860402.55	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
1359	493777.33, 3860402.55	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.35E-03	1.37E-06	3.99E-07
1360	493827.33, 3860402.55	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.33E-03	1.37E-06	3.98E-07
1361	493877.33, 3860402.55	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
1362	493927.33, 3860402.55	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.54E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
1363	493977.33, 3860402.55	2.50E-03	7.89E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
1364	494027.33, 3860402.55	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.29E-03	1.35E-06	3.93E-07
1365	493677.33, 3860452.55	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
1366	493727.33, 3860452.55	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.26E-03	1.35E-06	3.91E-07
1367	493777.33, 3860452.55	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1368	493827.33, 3860452.55	2.47E-03	7.79E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.24E-03	1.34E-06	3.90E-07
1369	493877.33, 3860452.55	2.46E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.23E-03	1.34E-06	3.89E-07
1370	493927.33, 3860452.55	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
1371	493977.33, 3860452.55	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
1372	494027.33, 3860452.55	2.45E-03	7.72E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.20E-03	1.33E-06	3.86E-07
1373	493677.33, 3860502.55	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.32E-07	2.42E-07	4.20E-03	1.32E-06	3.85E-07
1374	493727.33, 3860502.55	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1375	493777.33, 3860502.55	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.17E-03	1.32E-06	3.83E-07
1376	493827.33, 3860502.55	2.42E-03	7.64E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
1377	493877.33, 3860502.55	2.42E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1378	493927.33, 3860502.55	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1379	493977.33, 3860502.55	2.40E-03	7.59E-07	2.21E-07	2.60E-03	8.19E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
1380	494027.33, 3860502.55	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.17E-07	2.38E-07	4.12E-03	1.30E-06	3.78E-07
1381	493627.33, 3860552.55	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.12E-03	1.30E-06	3.78E-07
1382	493677.33, 3860552.55	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.15E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
1383	493727.33, 3860552.55	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.09E-03	1.29E-06	3.76E-07
1384	493777.33, 3860552.55	2.38E-03	7.50E-07	2.18E-07	2.57E-03	8.10E-07	2.36E-07	4.08E-03	1.29E-06	3.75E-07
1385	493827.33, 3860552.55	2.37E-03	7.49E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.08E-03	1.29E-06	3.74E-07
1386	493877.33, 3860552.55	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.28E-06	3.73E-07
1387	493927.33, 3860552.55	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.05E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1388	493977.33, 3860552.55	2.36E-03	7.44E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.05E-03	1.28E-06	3.72E-07
1389	494027.33, 3860552.55	2.35E-03	7.42E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.04E-03	1.28E-06	3.71E-07
1390	493627.33, 3860602.55	2.35E-03	7.42E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.04E-03	1.27E-06	3.70E-07
1391	493727.33, 3860602.55	2.33E-03	7.36E-07	2.14E-07	2.52E-03	7.94E-07	2.31E-07	4.00E-03	1.26E-06	3.68E-07
1392	493777.33, 3860602.55	2.33E-03	7.35E-07	2.14E-07	2.52E-03	7.94E-07	2.31E-07	4.00E-03	1.26E-06	3.67E-07
1393	493827.33, 3860602.55	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.92E-07	2.30E-07	3.99E-03	1.26E-06	3.67E-07
1394	493877.33, 3860602.55	2.32E-03	7.33E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.99E-03	1.26E-06	3.66E-07
1395	493927.33, 3860602.55	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.90E-07	2.30E-07	3.98E-03	1.26E-06	3.66E-07
1396	493977.33, 3860602.55	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.98E-03	1.25E-06	3.65E-07
1397	494027.33, 3860602.55	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.86E-07	2.29E-07	3.96E-03	1.25E-06	3.64E-07
1398	493627.33, 3860652.55	2.30E-03	7.26E-07	2.11E-07	2.48E-03	7.84E-07	2.28E-07	3.95E-03	1.25E-06	3.62E-07
1399	493727.33, 3860652.55	2.28E-03	7.20E-07	2.10E-07	2.46E-03	7.78E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07

1400	493777.33, 3860652.55	2.28E-03	7.20E-07	2.09E-07	2.46E-03	7.77E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1401	493827.33, 3860652.55	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.91E-03	1.24E-06	3.59E-07
1402	493877.33, 3860652.55	2.28E-03	7.18E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.91E-03	1.23E-06	3.59E-07
1403	493927.33, 3860652.55	2.27E-03	7.17E-07	2.09E-07	2.45E-03	7.74E-07	2.25E-07	3.90E-03	1.23E-06	3.58E-07
1404	493977.33, 3860652.55	2.27E-03	7.15E-07	2.08E-07	2.45E-03	7.73E-07	2.25E-07	3.90E-03	1.23E-06	3.58E-07
1405	494027.33, 3860652.55	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
1406	494311.06, 3858401.99	2.58E-03	8.13E-07	2.37E-07	2.78E-03	8.78E-07	2.55E-07	4.43E-03	1.40E-06	4.07E-07
1407	494361.06, 3858401.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	3.99E-07
1408	494411.06, 3858401.99	2.50E-03	7.89E-07	2.29E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
1409	494461.06, 3858401.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
1410	494511.06, 3858401.99	2.45E-03	7.73E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
1411	494561.06, 3858401.99	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1412	494611.06, 3858401.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.12E-03	1.30E-06	3.79E-07
1413	494661.06, 3858401.99	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.08E-03	1.29E-06	3.74E-07
1414	494711.06, 3858401.99	2.33E-03	7.35E-07	2.14E-07	2.51E-03	7.93E-07	2.31E-07	4.00E-03	1.26E-06	3.67E-07
1415	494761.06, 3858401.99	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.86E-07	2.29E-07	3.96E-03	1.25E-06	3.64E-07
1416	494811.06, 3858401.99	2.27E-03	7.18E-07	2.09E-07	2.45E-03	7.75E-07	2.25E-07	3.91E-03	1.23E-06	3.59E-07
1417	494861.06, 3858401.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.23E-07	3.86E-03	1.22E-06	3.54E-07
1418	494911.06, 3858401.99	2.22E-03	7.00E-07	2.03E-07	2.39E-03	7.55E-07	2.20E-07	3.81E-03	1.20E-06	3.50E-07
1419	494961.06, 3858401.99	2.19E-03	6.90E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.76E-03	1.19E-06	3.45E-07
1420	495011.06, 3858401.99	2.15E-03	6.79E-07	1.97E-07	2.32E-03	7.33E-07	2.13E-07	3.70E-03	1.17E-06	3.39E-07
1421	495061.06, 3858401.99	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.64E-03	1.15E-06	3.35E-07
1422	495111.06, 3858401.99	2.07E-03	6.52E-07	1.90E-07	2.23E-03	7.04E-07	2.05E-07	3.55E-03	1.12E-06	3.26E-07
1423	495161.06, 3858401.99	2.06E-03	6.49E-07	1.89E-07	2.22E-03	7.01E-07	2.04E-07	3.53E-03	1.12E-06	3.24E-07
1424	495211.06, 3858401.99	2.01E-03	6.34E-07	1.85E-07	2.17E-03	6.85E-07	1.99E-07	3.45E-03	1.09E-06	3.17E-07
1425	495261.06, 3858401.99	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.76E-07	1.97E-07	3.41E-03	1.08E-06	3.13E-07
1426	495311.06, 3858401.99	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.67E-07	1.94E-07	3.36E-03	1.06E-06	3.09E-07
1427	495361.06, 3858401.99	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.33E-03	1.05E-06	3.06E-07
1428	495411.06, 3858401.99	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.31E-03	1.05E-06	3.04E-07
1429	495461.06, 3858401.99	1.92E-03	6.06E-07	1.76E-07	2.07E-03	6.55E-07	1.90E-07	3.30E-03	1.04E-06	3.03E-07
1430	495511.06, 3858401.99	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.51E-07	1.89E-07	3.28E-03	1.04E-06	3.01E-07
1431	495561.06, 3858401.99	1.89E-03	5.95E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.24E-03	1.02E-06	2.97E-07
1432	495611.06, 3858401.99	1.88E-03	5.92E-07	1.72E-07	2.03E-03	6.39E-07	1.86E-07	3.22E-03	1.02E-06	2.96E-07
1433	495661.06, 3858401.99	1.89E-03	5.96E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.24E-03	1.02E-06	2.98E-07
1434	494311.06, 3858451.99	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
1435	494361.06, 3858451.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.45E-03	1.41E-06	4.09E-07
1436	494411.06, 3858451.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
1437	494461.06, 3858451.99	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.35E-03	1.37E-06	3.99E-07
1438	494511.06, 3858451.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
1439	494561.06, 3858451.99	2.48E-03	7.82E-07	2.27E-07	2.67E-03	8.44E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
1440	494611.06, 3858451.99	2.45E-03	7.73E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
1441	494661.06, 3858451.99	2.42E-03	7.64E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
1442	494711.06, 3858451.99	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.10E-03	1.29E-06	3.76E-07
1443	494761.06, 3858451.99	2.35E-03	7.41E-07	2.15E-07	2.53E-03	8.00E-07	2.33E-07	4.04E-03	1.27E-06	3.70E-07
1444	494811.06, 3858451.99	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.90E-07	2.30E-07	3.98E-03	1.26E-06	3.66E-07
1445	494861.06, 3858451.99	2.28E-03	7.21E-07	2.10E-07	2.47E-03	7.78E-07	2.26E-07	3.93E-03	1.24E-06	3.60E-07
1446	494911.06, 3858451.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.64E-07	2.22E-07	3.85E-03	1.22E-06	3.54E-07
1447	494961.06, 3858451.99	2.21E-03	6.97E-07	2.03E-07	2.38E-03	7.53E-07	2.19E-07	3.80E-03	1.20E-06	3.48E-07
1448	495011.06, 3858451.99	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.73E-03	1.18E-06	3.42E-07
1449	495061.06, 3858451.99	2.15E-03	6.79E-07	1.97E-07	2.32E-03	7.33E-07	2.13E-07	3.70E-03	1.17E-06	3.39E-07
1450	495111.06, 3858451.99	2.11E-03	6.67E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.63E-03	1.15E-06	3.33E-07
1451	495161.06, 3858451.99	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.56E-03	1.12E-06	3.26E-07
1452	495211.06, 3858451.99	2.03E-03	6.41E-07	1.86E-07	2.19E-03	6.92E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
1453	495261.06, 3858451.99	2.01E-03	6.33E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.45E-03	1.09E-06	3.16E-07
1454	495311.06, 3858451.99	1.99E-03	6.27E-07	1.82E-07	2.14E-03	6.77E-07	1.97E-07	3.41E-03	1.08E-06	3.13E-07
1455	495361.06, 3858451.99	1.97E-03	6.21E-07	1.81E-07	2.12E-03	6.71E-07	1.95E-07	3.38E-03	1.07E-06	3.10E-07
1456	495411.06, 3858451.99	1.96E-03	6.18E-07	1.80E-07	2.12E-03	6.68E-07	1.94E-07	3.37E-03	1.06E-06	3.09E-07
1457	495461.06, 3858451.99	1.95E-03	6.16E-07	1.79E-07	2.11E-03	6.65E-07	1.94E-07	3.36E-03	1.06E-06	3.08E-07
1458	495511.06, 3858451.99	1.93E-03	6.10E-07	1.77E-07	2.09E-03	6.59E-07	1.92E-07	3.32E-03	1.05E-06	3.05E-07
1459	495561.06, 3858451.99	1.93E-03	6.10E-07	1.78E-07	2.09E-03	6.59E-07	1.92E-07	3.32E-03	1.05E-06	3.05E-07
1460	495611.06, 3858451.99	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.51E-07	1.89E-07	3.28E-03	1.04E-06	3.01E-07

1461	495661.06, 3858451.99	1.91E-03	6.01E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.27E-03	1.03E-06	3.01E-07
1462	494311.06, 3858501.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1463	494361.06, 3858501.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
1464	494411.06, 3858501.99	2.58E-03	8.14E-07	2.37E-07	2.79E-03	8.79E-07	2.56E-07	4.44E-03	1.40E-06	4.07E-07
1465	494461.06, 3858501.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
1466	494511.06, 3858501.99	2.52E-03	7.96E-07	2.32E-07	2.72E-03	8.60E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1467	494561.06, 3858501.99	2.52E-03	7.96E-07	2.32E-07	2.72E-03	8.60E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1468	494611.06, 3858501.99	2.49E-03	7.86E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
1469	494661.06, 3858501.99	2.47E-03	7.79E-07	2.27E-07	2.66E-03	8.41E-07	2.45E-07	4.24E-03	1.34E-06	3.89E-07
1470	494711.06, 3858501.99	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
1471	494761.06, 3858501.99	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.10E-03	1.30E-06	3.77E-07
1472	494811.06, 3858501.99	2.35E-03	7.41E-07	2.16E-07	2.54E-03	8.00E-07	2.33E-07	4.04E-03	1.27E-06	3.71E-07
1473	494861.06, 3858501.99	2.32E-03	7.33E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.99E-03	1.26E-06	3.66E-07
1474	494911.06, 3858501.99	2.27E-03	7.16E-07	2.08E-07	2.45E-03	7.73E-07	2.25E-07	3.90E-03	1.23E-06	3.58E-07
1475	494961.06, 3858501.99	2.24E-03	7.07E-07	2.06E-07	2.42E-03	7.64E-07	2.22E-07	3.85E-03	1.22E-06	3.54E-07
1476	495011.06, 3858501.99	2.20E-03	6.93E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.77E-03	1.19E-06	3.47E-07
1477	495061.06, 3858501.99	2.18E-03	6.87E-07	2.00E-07	2.35E-03	7.42E-07	2.16E-07	3.74E-03	1.18E-06	3.43E-07
1478	495111.06, 3858501.99	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.65E-03	1.15E-06	3.35E-07
1479	495161.06, 3858501.99	2.09E-03	6.59E-07	1.92E-07	2.25E-03	7.11E-07	2.07E-07	3.59E-03	1.13E-06	3.29E-07
1480	495211.06, 3858501.99	2.05E-03	6.48E-07	1.89E-07	2.22E-03	7.00E-07	2.04E-07	3.53E-03	1.11E-06	3.24E-07
1481	495261.06, 3858501.99	2.03E-03	6.40E-07	1.86E-07	2.19E-03	6.91E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
1482	495311.06, 3858501.99	2.01E-03	6.36E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
1483	495361.06, 3858501.99	2.00E-03	6.31E-07	1.84E-07	2.16E-03	6.82E-07	1.98E-07	3.44E-03	1.08E-06	3.16E-07
1484	495411.06, 3858501.99	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.42E-03	1.08E-06	3.14E-07
1485	495461.06, 3858501.99	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.41E-03	1.07E-06	3.13E-07
1486	495511.06, 3858501.99	1.97E-03	6.21E-07	1.81E-07	2.13E-03	6.71E-07	1.95E-07	3.38E-03	1.07E-06	3.10E-07
1487	495561.06, 3858501.99	1.97E-03	6.21E-07	1.81E-07	2.13E-03	6.71E-07	1.95E-07	3.38E-03	1.07E-06	3.11E-07
1488	495611.06, 3858501.99	1.94E-03	6.13E-07	1.78E-07	2.10E-03	6.62E-07	1.93E-07	3.34E-03	1.05E-06	3.07E-07
1489	495661.06, 3858501.99	1.94E-03	6.13E-07	1.78E-07	2.10E-03	6.62E-07	1.93E-07	3.34E-03	1.05E-06	3.07E-07
1490	494311.06, 3858551.99	2.59E-03	8.17E-07	2.38E-07	2.79E-03	8.82E-07	2.57E-07	4.45E-03	1.40E-06	4.08E-07
1491	494361.06, 3858551.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.47E-03	1.41E-06	4.11E-07
1492	494411.06, 3858551.99	2.62E-03	8.27E-07	2.40E-07	2.83E-03	8.93E-07	2.60E-07	4.50E-03	1.42E-06	4.14E-07
1493	494461.06, 3858551.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
1494	494511.06, 3858551.99	2.59E-03	8.17E-07	2.38E-07	2.79E-03	8.82E-07	2.57E-07	4.45E-03	1.40E-06	4.08E-07
1495	494561.06, 3858551.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.55E-07	4.41E-03	1.39E-06	4.05E-07
1496	494611.06, 3858551.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
1497	494661.06, 3858551.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
1498	494711.06, 3858551.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.91E-07
1499	494761.06, 3858551.99	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1500	494811.06, 3858551.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
1501	494861.06, 3858551.99	2.36E-03	7.44E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.05E-03	1.28E-06	3.72E-07
1502	494911.06, 3858551.99	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.97E-03	1.25E-06	3.65E-07
1503	494961.06, 3858551.99	2.27E-03	7.18E-07	2.09E-07	2.46E-03	7.75E-07	2.25E-07	3.91E-03	1.23E-06	3.59E-07
1504	495011.06, 3858551.99	2.23E-03	7.03E-07	2.05E-07	2.41E-03	7.59E-07	2.21E-07	3.83E-03	1.21E-06	3.52E-07
1505	495061.06, 3858551.99	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.50E-07	2.18E-07	3.78E-03	1.19E-06	3.47E-07
1506	495111.06, 3858551.99	2.14E-03	6.77E-07	1.97E-07	2.32E-03	7.31E-07	2.13E-07	3.68E-03	1.16E-06	3.38E-07
1507	495161.06, 3858551.99	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.19E-07	2.09E-07	3.62E-03	1.14E-06	3.33E-07
1508	495211.06, 3858551.99	2.08E-03	6.56E-07	1.91E-07	2.24E-03	7.08E-07	2.06E-07	3.57E-03	1.13E-06	3.28E-07
1509	495261.06, 3858551.99	2.06E-03	6.49E-07	1.89E-07	2.22E-03	7.01E-07	2.04E-07	3.53E-03	1.11E-06	3.24E-07
1510	495311.06, 3858551.99	2.04E-03	6.45E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.51E-03	1.11E-06	3.23E-07
1511	495361.06, 3858551.99	2.03E-03	6.41E-07	1.86E-07	2.19E-03	6.92E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
1512	495411.06, 3858551.99	2.02E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.48E-03	1.10E-06	3.19E-07
1513	495461.06, 3858551.99	2.01E-03	6.35E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
1514	495511.06, 3858551.99	2.01E-03	6.33E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.45E-03	1.09E-06	3.17E-07
1515	495561.06, 3858551.99	2.00E-03	6.30E-07	1.83E-07	2.16E-03	6.80E-07	1.98E-07	3.43E-03	1.08E-06	3.15E-07
1516	495611.06, 3858551.99	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.41E-03	1.08E-06	3.13E-07
1517	495661.06, 3858551.99	1.97E-03	6.21E-07	1.81E-07	2.12E-03	6.70E-07	1.95E-07	3.38E-03	1.07E-06	3.10E-07
1518	494311.06, 3858601.99	2.47E-03	7.79E-07	2.27E-07	2.67E-03	8.41E-07	2.45E-07	4.24E-03	1.34E-06	3.89E-07
1519	494361.06, 3858601.99	2.58E-03	8.15E-07	2.37E-07	2.79E-03	8.80E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
1520	494411.06, 3858601.99	2.67E-03	8.44E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
1521	494461.06, 3858601.99	2.66E-03	8.40E-07	2.44E-07	2.88E-03	9.07E-07	2.64E-07	4.58E-03	1.45E-06	4.20E-07

1522	494511.06, 3858601.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
1523	494561.06, 3858601.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
1524	494611.06, 3858601.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.45E-03	1.41E-06	4.09E-07
1525	494661.06, 3858601.99	2.56E-03	8.09E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1526	494711.06, 3858601.99	2.52E-03	7.96E-07	2.32E-07	2.72E-03	8.60E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1527	494761.06, 3858601.99	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
1528	494811.06, 3858601.99	2.42E-03	7.65E-07	2.22E-07	2.62E-03	8.26E-07	2.40E-07	4.17E-03	1.31E-06	3.82E-07
1529	494861.06, 3858601.99	2.39E-03	7.55E-07	2.20E-07	2.58E-03	8.15E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
1530	494911.06, 3858601.99	2.34E-03	7.38E-07	2.15E-07	2.52E-03	7.97E-07	2.32E-07	4.02E-03	1.27E-06	3.69E-07
1531	494961.06, 3858601.99	2.30E-03	7.26E-07	2.11E-07	2.48E-03	7.84E-07	2.28E-07	3.95E-03	1.25E-06	3.63E-07
1532	495011.06, 3858601.99	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
1533	495061.06, 3858601.99	2.22E-03	7.01E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.82E-03	1.20E-06	3.50E-07
1534	495111.06, 3858601.99	2.16E-03	6.83E-07	1.99E-07	2.34E-03	7.37E-07	2.14E-07	3.72E-03	1.17E-06	3.41E-07
1535	495161.06, 3858601.99	2.13E-03	6.72E-07	1.96E-07	2.30E-03	7.26E-07	2.11E-07	3.66E-03	1.16E-06	3.36E-07
1536	495211.06, 3858601.99	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.19E-07	2.09E-07	3.63E-03	1.14E-06	3.33E-07
1537	495261.06, 3858601.99	2.09E-03	6.58E-07	1.92E-07	2.25E-03	7.11E-07	2.07E-07	3.59E-03	1.13E-06	3.29E-07
1538	495311.06, 3858601.99	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.56E-03	1.12E-06	3.26E-07
1539	495361.06, 3858601.99	2.06E-03	6.50E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
1540	495411.06, 3858601.99	2.05E-03	6.47E-07	1.88E-07	2.21E-03	6.98E-07	2.03E-07	3.52E-03	1.11E-06	3.23E-07
1541	495461.06, 3858601.99	2.04E-03	6.44E-07	1.87E-07	2.20E-03	6.95E-07	2.02E-07	3.51E-03	1.11E-06	3.22E-07
1542	495511.06, 3858601.99	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.48E-03	1.10E-06	3.19E-07
1543	495561.06, 3858601.99	2.02E-03	6.37E-07	1.85E-07	2.18E-03	6.88E-07	2.00E-07	3.47E-03	1.10E-06	3.19E-07
1544	495611.06, 3858601.99	2.00E-03	6.31E-07	1.83E-07	2.16E-03	6.81E-07	1.98E-07	3.43E-03	1.08E-06	3.15E-07
1545	495661.06, 3858601.99	1.99E-03	6.29E-07	1.83E-07	2.15E-03	6.79E-07	1.97E-07	3.42E-03	1.08E-06	3.14E-07
1546	494311.06, 3858651.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.20E-03	1.32E-06	3.85E-07
1547	494361.06, 3858651.99	2.55E-03	8.06E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
1548	494411.06, 3858651.99	2.69E-03	8.49E-07	2.47E-07	2.90E-03	9.17E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
1549	494461.06, 3858651.99	2.70E-03	8.54E-07	2.48E-07	2.92E-03	9.22E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1550	494511.06, 3858651.99	2.68E-03	8.46E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.61E-03	1.46E-06	4.23E-07
1551	494561.06, 3858651.99	2.67E-03	8.41E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
1552	494611.06, 3858651.99	2.64E-03	8.34E-07	2.43E-07	2.85E-03	9.01E-07	2.62E-07	4.55E-03	1.43E-06	4.17E-07
1553	494661.06, 3858651.99	2.61E-03	8.23E-07	2.39E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
1554	494711.06, 3858651.99	2.56E-03	8.09E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1555	494761.06, 3858651.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.34E-03	1.37E-06	3.99E-07
1556	494811.06, 3858651.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1557	494861.06, 3858651.99	2.42E-03	7.65E-07	2.23E-07	2.62E-03	8.26E-07	2.40E-07	4.17E-03	1.32E-06	3.83E-07
1558	494911.06, 3858651.99	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.08E-03	1.29E-06	3.74E-07
1559	494961.06, 3858651.99	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.92E-07	2.30E-07	4.00E-03	1.26E-06	3.67E-07
1560	495011.06, 3858651.99	2.29E-03	7.22E-07	2.10E-07	2.47E-03	7.80E-07	2.27E-07	3.93E-03	1.24E-06	3.61E-07
1561	495061.06, 3858651.99	2.25E-03	7.09E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.86E-03	1.22E-06	3.55E-07
1562	495111.06, 3858651.99	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.78E-03	1.19E-06	3.47E-07
1563	495161.06, 3858651.99	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.73E-03	1.18E-06	3.42E-07
1564	495211.06, 3858651.99	2.13E-03	6.73E-07	1.96E-07	2.30E-03	7.27E-07	2.11E-07	3.67E-03	1.16E-06	3.37E-07
1565	495261.06, 3858651.99	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.65E-03	1.15E-06	3.35E-07
1566	495311.06, 3858651.99	2.10E-03	6.64E-07	1.93E-07	2.27E-03	7.17E-07	2.09E-07	3.62E-03	1.14E-06	3.32E-07
1567	495361.06, 3858651.99	2.09E-03	6.60E-07	1.92E-07	2.26E-03	7.13E-07	2.07E-07	3.60E-03	1.14E-06	3.30E-07
1568	495411.06, 3858651.99	2.08E-03	6.58E-07	1.91E-07	2.25E-03	7.11E-07	2.07E-07	3.58E-03	1.13E-06	3.29E-07
1569	495461.06, 3858651.99	2.08E-03	6.57E-07	1.91E-07	2.25E-03	7.10E-07	2.06E-07	3.58E-03	1.13E-06	3.29E-07
1570	495511.06, 3858651.99	2.06E-03	6.51E-07	1.89E-07	2.23E-03	7.02E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
1571	495561.06, 3858651.99	2.05E-03	6.46E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.52E-03	1.11E-06	3.23E-07
1572	495611.06, 3858651.99	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.47E-03	1.10E-06	3.19E-07
1573	495661.06, 3858651.99	2.01E-03	6.35E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
1574	494311.06, 3858701.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1575	494361.06, 3858701.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.98E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1576	494411.06, 3858701.99	2.73E-03	8.61E-07	2.50E-07	2.95E-03	9.30E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
1577	494461.06, 3858701.99	2.73E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
1578	494511.06, 3858701.99	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
1579	494561.06, 3858701.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1580	494611.06, 3858701.99	2.65E-03	8.35E-07	2.43E-07	2.86E-03	9.02E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
1581	494661.06, 3858701.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
1582	494711.06, 3858701.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.34E-03	1.37E-06	3.99E-07

1583	494761.06, 3858701.99	2.55E-03	8.03E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1584	494811.06, 3858701.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.29E-03	1.35E-06	3.93E-07
1585	494861.06, 3858701.99	2.45E-03	7.73E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
1586	494911.06, 3858701.99	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1587	494961.06, 3858701.99	2.34E-03	7.39E-07	2.15E-07	2.53E-03	7.98E-07	2.32E-07	4.02E-03	1.27E-06	3.69E-07
1588	495011.06, 3858701.99	2.30E-03	7.25E-07	2.11E-07	2.48E-03	7.82E-07	2.28E-07	3.95E-03	1.25E-06	3.62E-07
1589	495061.06, 3858701.99	2.27E-03	7.18E-07	2.09E-07	2.46E-03	7.75E-07	2.26E-07	3.91E-03	1.23E-06	3.59E-07
1590	495111.06, 3858701.99	2.22E-03	7.02E-07	2.04E-07	2.40E-03	7.58E-07	2.20E-07	3.82E-03	1.21E-06	3.51E-07
1591	495161.06, 3858701.99	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.78E-03	1.19E-06	3.47E-07
1592	495211.06, 3858701.99	2.16E-03	6.83E-07	1.99E-07	2.34E-03	7.37E-07	2.14E-07	3.72E-03	1.17E-06	3.41E-07
1593	495261.06, 3858701.99	2.15E-03	6.80E-07	1.98E-07	2.32E-03	7.34E-07	2.13E-07	3.70E-03	1.17E-06	3.40E-07
1594	495311.06, 3858701.99	2.14E-03	6.77E-07	1.97E-07	2.31E-03	7.31E-07	2.13E-07	3.68E-03	1.16E-06	3.38E-07
1595	495361.06, 3858701.99	2.13E-03	6.72E-07	1.95E-07	2.30E-03	7.26E-07	2.11E-07	3.66E-03	1.15E-06	3.36E-07
1596	495411.06, 3858701.99	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.24E-07	2.11E-07	3.65E-03	1.15E-06	3.35E-07
1597	495461.06, 3858701.99	2.11E-03	6.67E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.63E-03	1.15E-06	3.33E-07
1598	495511.06, 3858701.99	2.10E-03	6.62E-07	1.92E-07	2.26E-03	7.14E-07	2.08E-07	3.60E-03	1.14E-06	3.31E-07
1599	495561.06, 3858701.99	2.08E-03	6.55E-07	1.91E-07	2.24E-03	7.07E-07	2.06E-07	3.57E-03	1.13E-06	3.28E-07
1600	495611.06, 3858701.99	2.06E-03	6.49E-07	1.89E-07	2.22E-03	7.00E-07	2.04E-07	3.53E-03	1.11E-06	3.24E-07
1601	495661.06, 3858701.99	2.04E-03	6.45E-07	1.87E-07	2.21E-03	6.96E-07	2.02E-07	3.51E-03	1.11E-06	3.22E-07
1602	494311.06, 3858751.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.57E-07	2.49E-07	4.32E-03	1.36E-06	3.97E-07
1603	494361.06, 3858751.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1604	494411.06, 3858751.99	2.77E-03	8.76E-07	2.55E-07	3.00E-03	9.46E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1605	494461.06, 3858751.99	2.77E-03	8.75E-07	2.54E-07	2.99E-03	9.44E-07	2.75E-07	4.77E-03	1.50E-06	4.38E-07
1606	494511.06, 3858751.99	2.78E-03	8.77E-07	2.55E-07	3.00E-03	9.47E-07	2.75E-07	4.78E-03	1.51E-06	4.39E-07
1607	494561.06, 3858751.99	2.74E-03	8.65E-07	2.51E-07	2.96E-03	9.34E-07	2.72E-07	4.71E-03	1.49E-06	4.33E-07
1608	494611.06, 3858751.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.63E-03	1.46E-06	4.26E-07
1609	494661.06, 3858751.99	2.66E-03	8.41E-07	2.44E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
1610	494711.06, 3858751.99	2.60E-03	8.19E-07	2.38E-07	2.80E-03	8.85E-07	2.57E-07	4.47E-03	1.41E-06	4.10E-07
1611	494761.06, 3858751.99	2.58E-03	8.14E-07	2.37E-07	2.78E-03	8.79E-07	2.56E-07	4.44E-03	1.40E-06	4.07E-07
1612	494811.06, 3858751.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1613	494861.06, 3858751.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1614	494911.06, 3858751.99	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1615	494961.06, 3858751.99	2.37E-03	7.50E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.08E-03	1.29E-06	3.75E-07
1616	495011.06, 3858751.99	2.35E-03	7.41E-07	2.15E-07	2.53E-03	8.00E-07	2.33E-07	4.04E-03	1.27E-06	3.70E-07
1617	495061.06, 3858751.99	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.86E-07	2.29E-07	3.96E-03	1.25E-06	3.64E-07
1618	495111.06, 3858751.99	2.26E-03	7.12E-07	2.07E-07	2.44E-03	7.69E-07	2.24E-07	3.88E-03	1.22E-06	3.56E-07
1619	495161.06, 3858751.99	2.23E-03	7.04E-07	2.05E-07	2.41E-03	7.60E-07	2.21E-07	3.83E-03	1.21E-06	3.52E-07
1620	495211.06, 3858751.99	2.19E-03	6.93E-07	2.01E-07	2.37E-03	7.48E-07	2.18E-07	3.77E-03	1.19E-06	3.46E-07
1621	495261.06, 3858751.99	2.18E-03	6.89E-07	2.00E-07	2.36E-03	7.44E-07	2.16E-07	3.75E-03	1.18E-06	3.44E-07
1622	495311.06, 3858751.99	2.17E-03	6.86E-07	2.00E-07	2.35E-03	7.41E-07	2.15E-07	3.74E-03	1.18E-06	3.43E-07
1623	495361.06, 3858751.99	2.16E-03	6.82E-07	1.98E-07	2.33E-03	7.36E-07	2.14E-07	3.71E-03	1.17E-06	3.41E-07
1624	495411.06, 3858751.99	2.16E-03	6.81E-07	1.98E-07	2.33E-03	7.35E-07	2.14E-07	3.71E-03	1.17E-06	3.41E-07
1625	495461.06, 3858751.99	2.15E-03	6.77E-07	1.97E-07	2.32E-03	7.32E-07	2.13E-07	3.69E-03	1.16E-06	3.39E-07
1626	495511.06, 3858751.99	2.13E-03	6.72E-07	1.95E-07	2.30E-03	7.26E-07	2.11E-07	3.66E-03	1.16E-06	3.36E-07
1627	495561.06, 3858751.99	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.19E-07	2.09E-07	3.63E-03	1.14E-06	3.33E-07
1628	495611.06, 3858751.99	2.09E-03	6.60E-07	1.92E-07	2.26E-03	7.12E-07	2.07E-07	3.59E-03	1.13E-06	3.30E-07
1629	495661.06, 3858751.99	2.07E-03	6.55E-07	1.90E-07	2.24E-03	7.07E-07	2.06E-07	3.57E-03	1.13E-06	3.27E-07
1630	494311.06, 3858801.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.45E-03	1.41E-06	4.09E-07
1631	494361.06, 3858801.99	2.76E-03	8.70E-07	2.53E-07	2.98E-03	9.40E-07	2.73E-07	4.74E-03	1.50E-06	4.35E-07
1632	494411.06, 3858801.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
1633	494461.06, 3858801.99	2.81E-03	8.87E-07	2.58E-07	3.03E-03	9.57E-07	2.78E-07	4.83E-03	1.53E-06	4.44E-07
1634	494511.06, 3858801.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.85E-03	1.53E-06	4.46E-07
1635	494561.06, 3858801.99	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.56E-07	2.78E-07	4.82E-03	1.52E-06	4.43E-07
1636	494611.06, 3858801.99	2.77E-03	8.75E-07	2.55E-07	3.00E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1637	494661.06, 3858801.99	2.73E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
1638	494711.06, 3858801.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.65E-07	4.59E-03	1.45E-06	4.21E-07
1639	494761.06, 3858801.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.48E-03	1.41E-06	4.11E-07
1640	494811.06, 3858801.99	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.64E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
1641	494861.06, 3858801.99	2.50E-03	7.89E-07	2.29E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
1642	494911.06, 3858801.99	2.45E-03	7.72E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.21E-03	1.33E-06	3.86E-07
1643	494961.06, 3858801.99	2.41E-03	7.59E-07	2.21E-07	2.60E-03	8.20E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07

1644	495011.06, 3858801.99	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1645	495061.06, 3858801.99	2.34E-03	7.38E-07	2.15E-07	2.52E-03	7.96E-07	2.32E-07	4.02E-03	1.27E-06	3.69E-07
1646	495111.06, 3858801.99	2.28E-03	7.20E-07	2.10E-07	2.47E-03	7.78E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1647	495161.06, 3858801.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.22E-07	3.86E-03	1.22E-06	3.54E-07
1648	495211.06, 3858801.99	2.22E-03	7.02E-07	2.04E-07	2.40E-03	7.58E-07	2.20E-07	3.82E-03	1.21E-06	3.51E-07
1649	495261.06, 3858801.99	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.54E-07	2.19E-07	3.80E-03	1.20E-06	3.49E-07
1650	495311.06, 3858801.99	2.21E-03	6.96E-07	2.03E-07	2.38E-03	7.52E-07	2.19E-07	3.79E-03	1.20E-06	3.48E-07
1651	495361.06, 3858801.99	2.19E-03	6.92E-07	2.01E-07	2.37E-03	7.48E-07	2.17E-07	3.77E-03	1.19E-06	3.46E-07
1652	495411.06, 3858801.99	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.78E-03	1.19E-06	3.47E-07
1653	495461.06, 3858801.99	2.18E-03	6.89E-07	2.00E-07	2.36E-03	7.44E-07	2.16E-07	3.75E-03	1.18E-06	3.45E-07
1654	495511.06, 3858801.99	2.16E-03	6.83E-07	1.99E-07	2.34E-03	7.37E-07	2.14E-07	3.72E-03	1.17E-06	3.41E-07
1655	495561.06, 3858801.99	2.15E-03	6.77E-07	1.97E-07	2.32E-03	7.31E-07	2.13E-07	3.69E-03	1.16E-06	3.39E-07
1656	495611.06, 3858801.99	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.65E-03	1.15E-06	3.35E-07
1657	495661.06, 3858801.99	2.11E-03	6.65E-07	1.94E-07	2.28E-03	7.18E-07	2.09E-07	3.62E-03	1.14E-06	3.33E-07
1658	494311.06, 3858851.99	2.77E-03	8.75E-07	2.54E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1659	494361.06, 3858851.99	2.87E-03	9.05E-07	2.63E-07	3.10E-03	9.77E-07	2.84E-07	4.93E-03	1.56E-06	4.53E-07
1660	494411.06, 3858851.99	2.86E-03	9.01E-07	2.62E-07	3.08E-03	9.73E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
1661	494461.06, 3858851.99	2.86E-03	9.02E-07	2.62E-07	3.09E-03	9.74E-07	2.83E-07	4.92E-03	1.55E-06	4.52E-07
1662	494511.06, 3858851.99	2.86E-03	9.01E-07	2.62E-07	3.08E-03	9.73E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
1663	494561.06, 3858851.99	2.83E-03	8.95E-07	2.60E-07	3.06E-03	9.66E-07	2.81E-07	4.88E-03	1.54E-06	4.48E-07
1664	494611.06, 3858851.99	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.81E-03	1.52E-06	4.42E-07
1665	494661.06, 3858851.99	2.75E-03	8.68E-07	2.52E-07	2.97E-03	9.37E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
1666	494711.06, 3858851.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
1667	494761.06, 3858851.99	2.62E-03	8.27E-07	2.40E-07	2.83E-03	8.93E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
1668	494811.06, 3858851.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1669	494861.06, 3858851.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
1670	494911.06, 3858851.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
1671	494961.06, 3858851.99	2.44E-03	7.70E-07	2.24E-07	2.64E-03	8.32E-07	2.42E-07	4.20E-03	1.33E-06	3.85E-07
1672	495011.06, 3858851.99	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.20E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
1673	495061.06, 3858851.99	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.28E-06	3.74E-07
1674	495111.06, 3858851.99	2.30E-03	7.25E-07	2.11E-07	2.48E-03	7.82E-07	2.28E-07	3.95E-03	1.25E-06	3.62E-07
1675	495161.06, 3858851.99	2.26E-03	7.13E-07	2.07E-07	2.44E-03	7.70E-07	2.24E-07	3.88E-03	1.23E-06	3.56E-07
1676	495211.06, 3858851.99	2.26E-03	7.13E-07	2.07E-07	2.44E-03	7.70E-07	2.24E-07	3.88E-03	1.23E-06	3.56E-07
1677	495261.06, 3858851.99	2.25E-03	7.09E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.86E-03	1.22E-06	3.55E-07
1678	495311.06, 3858851.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.22E-07	3.86E-03	1.22E-06	3.54E-07
1679	495361.06, 3858851.99	2.23E-03	7.05E-07	2.05E-07	2.41E-03	7.61E-07	2.21E-07	3.84E-03	1.21E-06	3.53E-07
1680	495411.06, 3858851.99	2.23E-03	7.02E-07	2.04E-07	2.40E-03	7.58E-07	2.21E-07	3.83E-03	1.21E-06	3.51E-07
1681	495461.06, 3858851.99	2.22E-03	7.00E-07	2.04E-07	2.40E-03	7.56E-07	2.20E-07	3.82E-03	1.20E-06	3.50E-07
1682	495511.06, 3858851.99	2.20E-03	6.96E-07	2.02E-07	2.38E-03	7.51E-07	2.18E-07	3.79E-03	1.20E-06	3.48E-07
1683	495561.06, 3858851.99	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.73E-03	1.18E-06	3.42E-07
1684	495611.06, 3858851.99	2.14E-03	6.76E-07	1.97E-07	2.31E-03	7.30E-07	2.12E-07	3.68E-03	1.16E-06	3.38E-07
1685	495661.06, 3858851.99	2.14E-03	6.74E-07	1.96E-07	2.31E-03	7.28E-07	2.12E-07	3.67E-03	1.16E-06	3.37E-07
1686	494311.06, 3858901.99	2.84E-03	8.98E-07	2.61E-07	3.07E-03	9.69E-07	2.82E-07	4.90E-03	1.54E-06	4.49E-07
1687	494361.06, 3858901.99	2.91E-03	9.20E-07	2.67E-07	3.15E-03	9.93E-07	2.89E-07	5.02E-03	1.58E-06	4.60E-07
1688	494411.06, 3858901.99	2.92E-03	9.20E-07	2.68E-07	3.15E-03	9.94E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
1689	494461.06, 3858901.99	2.92E-03	9.23E-07	2.68E-07	3.16E-03	9.96E-07	2.90E-07	5.03E-03	1.59E-06	4.62E-07
1690	494511.06, 3858901.99	2.91E-03	9.20E-07	2.68E-07	3.15E-03	9.94E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
1691	494561.06, 3858901.99	2.88E-03	9.08E-07	2.64E-07	3.11E-03	9.81E-07	2.85E-07	4.95E-03	1.56E-06	4.55E-07
1692	494611.06, 3858901.99	2.81E-03	8.87E-07	2.58E-07	3.03E-03	9.58E-07	2.79E-07	4.84E-03	1.53E-06	4.44E-07
1693	494661.06, 3858901.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1694	494711.06, 3858901.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.67E-03	1.47E-06	4.29E-07
1695	494761.06, 3858901.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
1696	494811.06, 3858901.99	2.60E-03	8.20E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.47E-03	1.41E-06	4.10E-07
1697	494861.06, 3858901.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.42E-03	1.39E-06	4.05E-07
1698	494911.06, 3858901.99	2.50E-03	7.89E-07	2.29E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
1699	494961.06, 3858901.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.34E-06	3.89E-07
1700	495011.06, 3858901.99	2.43E-03	7.65E-07	2.23E-07	2.62E-03	8.27E-07	2.40E-07	4.17E-03	1.32E-06	3.83E-07
1701	495061.06, 3858901.99	2.37E-03	7.49E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.08E-03	1.29E-06	3.75E-07
1702	495111.06, 3858901.99	2.30E-03	7.26E-07	2.11E-07	2.49E-03	7.84E-07	2.28E-07	3.96E-03	1.25E-06	3.63E-07
1703	495161.06, 3858901.99	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.77E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1704	495211.06, 3858901.99	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.81E-07	2.27E-07	3.94E-03	1.24E-06	3.62E-07

1705	495261.06, 3858901.99	2.28E-03	7.21E-07	2.10E-07	2.47E-03	7.79E-07	2.26E-07	3.93E-03	1.24E-06	3.61E-07
1706	495311.06, 3858901.99	2.27E-03	7.17E-07	2.09E-07	2.45E-03	7.75E-07	2.25E-07	3.91E-03	1.23E-06	3.59E-07
1707	495361.06, 3858901.99	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
1708	495411.06, 3858901.99	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
1709	495461.06, 3858901.99	2.25E-03	7.09E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.86E-03	1.22E-06	3.55E-07
1710	495511.06, 3858901.99	2.22E-03	7.01E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.82E-03	1.21E-06	3.51E-07
1711	495561.06, 3858901.99	2.20E-03	6.95E-07	2.02E-07	2.38E-03	7.51E-07	2.18E-07	3.79E-03	1.20E-06	3.48E-07
1712	495611.06, 3858901.99	2.18E-03	6.87E-07	2.00E-07	2.35E-03	7.41E-07	2.16E-07	3.74E-03	1.18E-06	3.43E-07
1713	495661.06, 3858901.99	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.40E-07	2.15E-07	3.73E-03	1.18E-06	3.43E-07
1714	494311.06, 3858951.99	2.96E-03	9.33E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.09E-03	1.61E-06	4.67E-07
1715	494361.06, 3858951.99	2.98E-03	9.41E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.13E-03	1.62E-06	4.71E-07
1716	494411.06, 3858951.99	2.95E-03	9.32E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.09E-03	1.61E-06	4.67E-07
1717	494461.06, 3858951.99	2.96E-03	9.35E-07	2.72E-07	3.20E-03	1.01E-06	2.94E-07	5.10E-03	1.61E-06	4.68E-07
1718	494511.06, 3858951.99	2.94E-03	9.29E-07	2.70E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.65E-07
1719	494561.06, 3858951.99	2.90E-03	9.17E-07	2.67E-07	3.14E-03	9.90E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
1720	494611.06, 3858951.99	2.85E-03	8.99E-07	2.62E-07	3.08E-03	9.71E-07	2.82E-07	4.91E-03	1.55E-06	4.50E-07
1721	494661.06, 3858951.99	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.54E-07	2.77E-07	4.82E-03	1.52E-06	4.42E-07
1722	494711.06, 3858951.99	2.73E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
1723	494761.06, 3858951.99	2.67E-03	8.43E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
1724	494811.06, 3858951.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.54E-03	1.43E-06	4.16E-07
1725	494861.06, 3858951.99	2.60E-03	8.20E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.47E-03	1.41E-06	4.11E-07
1726	494911.06, 3858951.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1727	494961.06, 3858951.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.33E-03	1.37E-06	3.98E-07
1728	495011.06, 3858951.99	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.20E-03	1.32E-06	3.85E-07
1729	495061.06, 3858951.99	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.28E-06	3.73E-07
1730	495111.06, 3858951.99	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.86E-07	2.29E-07	3.97E-03	1.25E-06	3.64E-07
1731	495161.06, 3858951.99	2.33E-03	7.35E-07	2.14E-07	2.52E-03	7.94E-07	2.31E-07	4.01E-03	1.26E-06	3.68E-07
1732	495211.06, 3858951.99	2.33E-03	7.34E-07	2.13E-07	2.51E-03	7.93E-07	2.31E-07	4.00E-03	1.26E-06	3.67E-07
1733	495261.06, 3858951.99	2.32E-03	7.32E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.99E-03	1.26E-06	3.66E-07
1734	495311.06, 3858951.99	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.81E-07	2.27E-07	3.94E-03	1.24E-06	3.62E-07
1735	495361.06, 3858951.99	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.80E-07	2.27E-07	3.94E-03	1.24E-06	3.62E-07
1736	495411.06, 3858951.99	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.81E-07	2.27E-07	3.94E-03	1.24E-06	3.62E-07
1737	495461.06, 3858951.99	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.77E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1738	495511.06, 3858951.99	2.28E-03	7.18E-07	2.09E-07	2.46E-03	7.75E-07	2.26E-07	3.91E-03	1.24E-06	3.59E-07
1739	495561.06, 3858951.99	2.23E-03	7.05E-07	2.05E-07	2.41E-03	7.62E-07	2.22E-07	3.84E-03	1.21E-06	3.53E-07
1740	495611.06, 3858951.99	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.80E-03	1.20E-06	3.49E-07
1741	495661.06, 3858951.99	2.21E-03	6.97E-07	2.03E-07	2.38E-03	7.52E-07	2.19E-07	3.80E-03	1.20E-06	3.49E-07
1742	494311.06, 3859001.99	3.03E-03	9.57E-07	2.78E-07	3.27E-03	1.03E-06	3.01E-07	5.22E-03	1.65E-06	4.79E-07
1743	494361.06, 3859001.99	3.02E-03	9.54E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.21E-03	1.64E-06	4.78E-07
1744	494411.06, 3859001.99	3.02E-03	9.53E-07	2.77E-07	3.26E-03	1.03E-06	2.99E-07	5.20E-03	1.64E-06	4.77E-07
1745	494461.06, 3859001.99	3.00E-03	9.47E-07	2.75E-07	3.24E-03	1.02E-06	2.97E-07	5.16E-03	1.63E-06	4.74E-07
1746	494511.06, 3859001.99	2.98E-03	9.40E-07	2.73E-07	3.22E-03	1.02E-06	2.95E-07	5.13E-03	1.62E-06	4.71E-07
1747	494561.06, 3859001.99	2.93E-03	9.23E-07	2.69E-07	3.16E-03	9.97E-07	2.90E-07	5.04E-03	1.59E-06	4.63E-07
1748	494611.06, 3859001.99	2.88E-03	9.08E-07	2.64E-07	3.11E-03	9.81E-07	2.85E-07	4.95E-03	1.56E-06	4.55E-07
1749	494661.06, 3859001.99	2.82E-03	8.89E-07	2.59E-07	3.04E-03	9.60E-07	2.79E-07	4.85E-03	1.53E-06	4.45E-07
1750	494711.06, 3859001.99	2.75E-03	8.67E-07	2.52E-07	2.97E-03	9.36E-07	2.72E-07	4.73E-03	1.49E-06	4.34E-07
1751	494761.06, 3859001.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1752	494811.06, 3859001.99	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.13E-07	2.65E-07	4.61E-03	1.45E-06	4.23E-07
1753	494861.06, 3859001.99	2.63E-03	8.30E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1754	494911.06, 3859001.99	2.58E-03	8.15E-07	2.37E-07	2.79E-03	8.80E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
1755	494961.06, 3859001.99	2.53E-03	7.99E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
1756	495011.06, 3859001.99	2.40E-03	7.59E-07	2.21E-07	2.60E-03	8.19E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
1757	495061.06, 3859001.99	2.38E-03	7.51E-07	2.18E-07	2.57E-03	8.11E-07	2.36E-07	4.09E-03	1.29E-06	3.76E-07
1758	495111.06, 3859001.99	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.92E-07	2.30E-07	4.00E-03	1.26E-06	3.67E-07
1759	495161.06, 3859001.99	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.28E-06	3.73E-07
1760	495211.06, 3859001.99	2.35E-03	7.42E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.04E-03	1.28E-06	3.71E-07
1761	495261.06, 3859001.99	2.35E-03	7.41E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.04E-03	1.28E-06	3.71E-07
1762	495311.06, 3859001.99	2.33E-03	7.37E-07	2.14E-07	2.52E-03	7.96E-07	2.31E-07	4.02E-03	1.27E-06	3.69E-07
1763	495361.06, 3859001.99	2.33E-03	7.36E-07	2.14E-07	2.52E-03	7.94E-07	2.31E-07	4.01E-03	1.27E-06	3.68E-07
1764	495411.06, 3859001.99	2.32E-03	7.33E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.99E-03	1.26E-06	3.67E-07
1765	495461.06, 3859001.99	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.89E-07	2.30E-07	3.98E-03	1.26E-06	3.66E-07

1766	495511.06, 3859001.99	2.28E-03	7.21E-07	2.10E-07	2.47E-03	7.78E-07	2.26E-07	3.93E-03	1.24E-06	3.61E-07
1767	495561.06, 3859001.99	2.27E-03	7.15E-07	2.08E-07	2.45E-03	7.72E-07	2.25E-07	3.90E-03	1.23E-06	3.58E-07
1768	495611.06, 3859001.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.23E-07	3.86E-03	1.22E-06	3.54E-07
1769	495661.06, 3859001.99	2.26E-03	7.12E-07	2.07E-07	2.44E-03	7.69E-07	2.24E-07	3.88E-03	1.22E-06	3.56E-07
1770	494311.06, 3859051.99	3.08E-03	9.73E-07	2.83E-07	3.33E-03	1.05E-06	3.06E-07	5.31E-03	1.68E-06	4.88E-07
1771	494361.06, 3859051.99	3.09E-03	9.74E-07	2.83E-07	3.33E-03	1.05E-06	3.06E-07	5.31E-03	1.68E-06	4.88E-07
1772	494411.06, 3859051.99	3.06E-03	9.65E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.27E-03	1.66E-06	4.83E-07
1773	494461.06, 3859051.99	3.02E-03	9.54E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.21E-03	1.64E-06	4.78E-07
1774	494511.06, 3859051.99	2.98E-03	9.41E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.13E-03	1.62E-06	4.71E-07
1775	494561.06, 3859051.99	2.94E-03	9.29E-07	2.70E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.65E-07
1776	494611.06, 3859051.99	2.89E-03	9.13E-07	2.66E-07	3.13E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.57E-07
1777	494661.06, 3859051.99	2.84E-03	8.96E-07	2.61E-07	3.07E-03	9.68E-07	2.81E-07	4.89E-03	1.54E-06	4.49E-07
1778	494711.06, 3859051.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.51E-07	2.76E-07	4.80E-03	1.52E-06	4.41E-07
1779	494761.06, 3859051.99	2.74E-03	8.64E-07	2.51E-07	2.95E-03	9.33E-07	2.71E-07	4.71E-03	1.49E-06	4.32E-07
1780	494811.06, 3859051.99	2.70E-03	8.52E-07	2.48E-07	2.92E-03	9.20E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1781	494861.06, 3859051.99	2.66E-03	8.40E-07	2.44E-07	2.87E-03	9.07E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
1782	494911.06, 3859051.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.48E-03	1.41E-06	4.11E-07
1783	494961.06, 3859051.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
1784	495011.06, 3859051.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
1785	495061.06, 3859051.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1786	495111.06, 3859051.99	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
1787	495161.06, 3859051.99	2.41E-03	7.59E-07	2.21E-07	2.60E-03	8.20E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
1788	495211.06, 3859051.99	2.38E-03	7.51E-07	2.18E-07	2.57E-03	8.11E-07	2.36E-07	4.09E-03	1.29E-06	3.76E-07
1789	495261.06, 3859051.99	2.39E-03	7.53E-07	2.19E-07	2.58E-03	8.13E-07	2.36E-07	4.10E-03	1.30E-06	3.77E-07
1790	495311.06, 3859051.99	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.29E-06	3.74E-07
1791	495361.06, 3859051.99	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1792	495411.06, 3859051.99	2.36E-03	7.44E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1793	495461.06, 3859051.99	2.36E-03	7.44E-07	2.16E-07	2.54E-03	8.03E-07	2.34E-07	4.06E-03	1.28E-06	3.72E-07
1794	495511.06, 3859051.99	2.32E-03	7.33E-07	2.13E-07	2.51E-03	7.92E-07	2.30E-07	4.00E-03	1.26E-06	3.67E-07
1795	495561.06, 3859051.99	2.30E-03	7.25E-07	2.11E-07	2.48E-03	7.83E-07	2.28E-07	3.95E-03	1.25E-06	3.63E-07
1796	495611.06, 3859051.99	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1797	495661.06, 3859051.99	2.29E-03	7.21E-07	2.10E-07	2.47E-03	7.79E-07	2.27E-07	3.93E-03	1.24E-06	3.61E-07
1798	494311.06, 3859101.99	3.14E-03	9.90E-07	2.88E-07	3.39E-03	1.07E-06	3.11E-07	5.41E-03	1.71E-06	4.96E-07
1799	494361.06, 3859101.99	3.11E-03	9.83E-07	2.86E-07	3.36E-03	1.06E-06	3.09E-07	5.36E-03	1.69E-06	4.92E-07
1800	494411.06, 3859101.99	3.09E-03	9.76E-07	2.84E-07	3.34E-03	1.05E-06	3.07E-07	5.33E-03	1.68E-06	4.89E-07
1801	494461.06, 3859101.99	3.06E-03	9.65E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.27E-03	1.66E-06	4.84E-07
1802	494511.06, 3859101.99	3.01E-03	9.49E-07	2.76E-07	3.25E-03	1.03E-06	2.98E-07	5.18E-03	1.63E-06	4.76E-07
1803	494561.06, 3859101.99	2.97E-03	9.36E-07	2.72E-07	3.20E-03	1.01E-06	2.94E-07	5.11E-03	1.61E-06	4.69E-07
1804	494611.06, 3859101.99	2.90E-03	9.17E-07	2.67E-07	3.14E-03	9.90E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
1805	494661.06, 3859101.99	2.86E-03	9.04E-07	2.63E-07	3.09E-03	9.77E-07	2.84E-07	4.93E-03	1.56E-06	4.53E-07
1806	494711.06, 3859101.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.81E-03	1.52E-06	4.42E-07
1807	494761.06, 3859101.99	2.78E-03	8.76E-07	2.55E-07	3.00E-03	9.46E-07	2.75E-07	4.78E-03	1.51E-06	4.39E-07
1808	494811.06, 3859101.99	2.73E-03	8.61E-07	2.51E-07	2.95E-03	9.30E-07	2.71E-07	4.70E-03	1.48E-06	4.31E-07
1809	494861.06, 3859101.99	2.69E-03	8.49E-07	2.47E-07	2.90E-03	9.17E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
1810	494911.06, 3859101.99	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.53E-03	1.43E-06	4.15E-07
1811	494961.06, 3859101.99	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
1812	495011.06, 3859101.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.20E-03	1.33E-06	3.86E-07
1813	495061.06, 3859101.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.20E-03	1.33E-06	3.86E-07
1814	495111.06, 3859101.99	2.42E-03	7.63E-07	2.22E-07	2.61E-03	8.24E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
1815	495161.06, 3859101.99	2.43E-03	7.68E-07	2.24E-07	2.63E-03	8.30E-07	2.41E-07	4.19E-03	1.32E-06	3.85E-07
1816	495211.06, 3859101.99	2.42E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.16E-03	1.31E-06	3.82E-07
1817	495261.06, 3859101.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1818	495311.06, 3859101.99	2.40E-03	7.58E-07	2.21E-07	2.60E-03	8.19E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
1819	495361.06, 3859101.99	2.40E-03	7.59E-07	2.21E-07	2.60E-03	8.20E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
1820	495411.06, 3859101.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.17E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
1821	495461.06, 3859101.99	2.38E-03	7.50E-07	2.18E-07	2.57E-03	8.10E-07	2.36E-07	4.09E-03	1.29E-06	3.75E-07
1822	495511.06, 3859101.99	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.28E-06	3.74E-07
1823	495561.06, 3859101.99	2.34E-03	7.39E-07	2.15E-07	2.53E-03	7.98E-07	2.32E-07	4.03E-03	1.27E-06	3.70E-07
1824	495611.06, 3859101.99	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.89E-07	2.30E-07	3.98E-03	1.26E-06	3.66E-07
1825	495661.06, 3859101.99	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.89E-07	2.29E-07	3.98E-03	1.26E-06	3.65E-07
1826	494311.06, 3859151.99	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.46E-03	1.72E-06	5.01E-07

1827	494361.06, 3859151.99	3.15E-03	9.95E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.43E-03	1.71E-06	4.98E-07
1828	494411.06, 3859151.99	3.11E-03	9.82E-07	2.86E-07	3.36E-03	1.06E-06	3.09E-07	5.36E-03	1.69E-06	4.92E-07
1829	494461.06, 3859151.99	3.07E-03	9.69E-07	2.82E-07	3.32E-03	1.05E-06	3.04E-07	5.29E-03	1.67E-06	4.86E-07
1830	494511.06, 3859151.99	3.02E-03	9.52E-07	2.77E-07	3.26E-03	1.03E-06	2.99E-07	5.20E-03	1.64E-06	4.77E-07
1831	494561.06, 3859151.99	2.98E-03	9.42E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.14E-03	1.62E-06	4.72E-07
1832	494611.06, 3859151.99	2.93E-03	9.24E-07	2.69E-07	3.16E-03	9.98E-07	2.90E-07	5.05E-03	1.59E-06	4.63E-07
1833	494661.06, 3859151.99	2.89E-03	9.13E-07	2.66E-07	3.13E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.58E-07
1834	494711.06, 3859151.99	2.86E-03	9.04E-07	2.63E-07	3.09E-03	9.76E-07	2.84E-07	4.93E-03	1.56E-06	4.53E-07
1835	494761.06, 3859151.99	2.80E-03	8.84E-07	2.57E-07	3.02E-03	9.55E-07	2.78E-07	4.82E-03	1.52E-06	4.43E-07
1836	494811.06, 3859151.99	2.75E-03	8.67E-07	2.52E-07	2.97E-03	9.36E-07	2.72E-07	4.73E-03	1.49E-06	4.34E-07
1837	494861.06, 3859151.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.67E-03	1.47E-06	4.29E-07
1838	494911.06, 3859151.99	2.65E-03	8.35E-07	2.43E-07	2.86E-03	9.02E-07	2.62E-07	4.56E-03	1.44E-06	4.18E-07
1839	494961.06, 3859151.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
1840	495011.06, 3859151.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
1841	495061.06, 3859151.99	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.41E-07	2.45E-07	4.24E-03	1.34E-06	3.90E-07
1842	495111.06, 3859151.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
1843	495161.06, 3859151.99	2.47E-03	7.79E-07	2.27E-07	2.67E-03	8.41E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1844	495211.06, 3859151.99	2.46E-03	7.75E-07	2.25E-07	2.65E-03	8.37E-07	2.43E-07	4.23E-03	1.33E-06	3.88E-07
1845	495261.06, 3859151.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.21E-03	1.33E-06	3.86E-07
1846	495311.06, 3859151.99	2.44E-03	7.69E-07	2.24E-07	2.63E-03	8.30E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
1847	495361.06, 3859151.99	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
1848	495411.06, 3859151.99	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.20E-03	1.33E-06	3.85E-07
1849	495461.06, 3859151.99	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1850	495511.06, 3859151.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
1851	495561.06, 3859151.99	2.38E-03	7.51E-07	2.18E-07	2.57E-03	8.11E-07	2.36E-07	4.10E-03	1.29E-06	3.76E-07
1852	495611.06, 3859151.99	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.05E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1853	495661.06, 3859151.99	2.35E-03	7.41E-07	2.15E-07	2.53E-03	8.00E-07	2.33E-07	4.04E-03	1.27E-06	3.71E-07
1854	494311.06, 3859201.99	3.19E-03	1.01E-06	2.93E-07	3.44E-03	1.09E-06	3.16E-07	5.49E-03	1.73E-06	5.04E-07
1855	494361.06, 3859201.99	3.16E-03	9.99E-07	2.90E-07	3.42E-03	1.08E-06	3.14E-07	5.45E-03	1.72E-06	5.00E-07
1856	494411.06, 3859201.99	3.13E-03	9.88E-07	2.87E-07	3.38E-03	1.07E-06	3.10E-07	5.39E-03	1.70E-06	4.95E-07
1857	494461.06, 3859201.99	3.08E-03	9.72E-07	2.83E-07	3.33E-03	1.05E-06	3.05E-07	5.31E-03	1.68E-06	4.87E-07
1858	494511.06, 3859201.99	3.05E-03	9.62E-07	2.80E-07	3.29E-03	1.04E-06	3.02E-07	5.25E-03	1.66E-06	4.82E-07
1859	494561.06, 3859201.99	2.99E-03	9.44E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.15E-03	1.63E-06	4.73E-07
1860	494611.06, 3859201.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.08E-03	1.60E-06	4.66E-07
1861	494661.06, 3859201.99	2.91E-03	9.19E-07	2.67E-07	3.15E-03	9.93E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
1862	494711.06, 3859201.99	2.88E-03	9.08E-07	2.64E-07	3.11E-03	9.81E-07	2.85E-07	4.96E-03	1.56E-06	4.55E-07
1863	494761.06, 3859201.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
1864	494811.06, 3859201.99	2.77E-03	8.75E-07	2.54E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1865	494861.06, 3859201.99	2.72E-03	8.57E-07	2.49E-07	2.93E-03	9.26E-07	2.69E-07	4.68E-03	1.48E-06	4.29E-07
1866	494911.06, 3859201.99	2.64E-03	8.34E-07	2.43E-07	2.85E-03	9.01E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
1867	494961.06, 3859201.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.55E-07	4.42E-03	1.40E-06	4.06E-07
1868	495011.06, 3859201.99	2.47E-03	7.79E-07	2.26E-07	2.66E-03	8.41E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1869	495061.06, 3859201.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.31E-03	1.36E-06	3.96E-07
1870	495111.06, 3859201.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
1871	495161.06, 3859201.99	2.50E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.30E-03	1.36E-06	3.94E-07
1872	495211.06, 3859201.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
1873	495261.06, 3859201.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
1874	495311.06, 3859201.99	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.41E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1875	495361.06, 3859201.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
1876	495411.06, 3859201.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.91E-07
1877	495461.06, 3859201.99	2.46E-03	7.75E-07	2.25E-07	2.65E-03	8.37E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
1878	495511.06, 3859201.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.21E-03	1.33E-06	3.86E-07
1879	495561.06, 3859201.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1880	495611.06, 3859201.99	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
1881	495661.06, 3859201.99	2.37E-03	7.49E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.09E-03	1.29E-06	3.75E-07
1882	494311.06, 3859251.99	3.20E-03	1.01E-06	2.94E-07	3.46E-03	1.09E-06	3.18E-07	5.52E-03	1.74E-06	5.07E-07
1883	494361.06, 3859251.99	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.46E-03	1.72E-06	5.01E-07
1884	494411.06, 3859251.99	3.12E-03	9.85E-07	2.86E-07	3.37E-03	1.06E-06	3.09E-07	5.38E-03	1.70E-06	4.94E-07
1885	494461.06, 3859251.99	3.09E-03	9.75E-07	2.84E-07	3.34E-03	1.05E-06	3.06E-07	5.32E-03	1.68E-06	4.88E-07
1886	494511.06, 3859251.99	3.03E-03	9.58E-07	2.79E-07	3.28E-03	1.03E-06	3.01E-07	5.23E-03	1.65E-06	4.80E-07
1887	494561.06, 3859251.99	3.00E-03	9.47E-07	2.75E-07	3.24E-03	1.02E-06	2.97E-07	5.17E-03	1.63E-06	4.74E-07

1888	494611.06, 3859251.99	2.95E-03	9.32E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.09E-03	1.61E-06	4.67E-07
1889	494661.06, 3859251.99	2.93E-03	9.24E-07	2.69E-07	3.16E-03	9.98E-07	2.90E-07	5.04E-03	1.59E-06	4.63E-07
1890	494711.06, 3859251.99	2.89E-03	9.13E-07	2.66E-07	3.13E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.58E-07
1891	494761.06, 3859251.99	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.56E-07	2.78E-07	4.83E-03	1.52E-06	4.44E-07
1892	494811.06, 3859251.99	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
1893	494861.06, 3859251.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
1894	494911.06, 3859251.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.99E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
1895	494961.06, 3859251.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.48E-03	1.41E-06	4.11E-07
1896	495011.06, 3859251.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
1897	495061.06, 3859251.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.41E-03	1.39E-06	4.04E-07
1898	495111.06, 3859251.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1899	495161.06, 3859251.99	2.53E-03	7.99E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
1900	495211.06, 3859251.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.57E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
1901	495261.06, 3859251.99	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.55E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
1902	495311.06, 3859251.99	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.55E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
1903	495361.06, 3859251.99	2.50E-03	7.88E-07	2.29E-07	2.70E-03	8.51E-07	2.47E-07	4.30E-03	1.36E-06	3.95E-07
1904	495411.06, 3859251.99	2.50E-03	7.89E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
1905	495461.06, 3859251.99	2.49E-03	7.85E-07	2.28E-07	2.69E-03	8.48E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
1906	495511.06, 3859251.99	2.46E-03	7.76E-07	2.26E-07	2.66E-03	8.38E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
1907	495561.06, 3859251.99	2.44E-03	7.69E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.20E-03	1.32E-06	3.85E-07
1908	495611.06, 3859251.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1909	495661.06, 3859251.99	2.39E-03	7.55E-07	2.20E-07	2.58E-03	8.16E-07	2.37E-07	4.12E-03	1.30E-06	3.78E-07
1910	494311.06, 3859301.99	3.21E-03	1.01E-06	2.95E-07	3.47E-03	1.09E-06	3.18E-07	5.53E-03	1.75E-06	5.08E-07
1911	494361.06, 3859301.99	3.17E-03	1.00E-06	2.91E-07	3.43E-03	1.08E-06	3.15E-07	5.47E-03	1.73E-06	5.02E-07
1912	494411.06, 3859301.99	3.13E-03	9.87E-07	2.87E-07	3.38E-03	1.07E-06	3.10E-07	5.39E-03	1.70E-06	4.95E-07
1913	494461.06, 3859301.99	3.08E-03	9.72E-07	2.83E-07	3.33E-03	1.05E-06	3.06E-07	5.31E-03	1.68E-06	4.87E-07
1914	494511.06, 3859301.99	3.04E-03	9.59E-07	2.79E-07	3.28E-03	1.04E-06	3.01E-07	5.24E-03	1.65E-06	4.81E-07
1915	494561.06, 3859301.99	3.01E-03	9.49E-07	2.76E-07	3.25E-03	1.02E-06	2.98E-07	5.18E-03	1.63E-06	4.75E-07
1916	494611.06, 3859301.99	2.97E-03	9.37E-07	2.73E-07	3.21E-03	1.01E-06	2.94E-07	5.11E-03	1.61E-06	4.70E-07
1917	494661.06, 3859301.99	2.93E-03	9.26E-07	2.69E-07	3.17E-03	1.00E-06	2.91E-07	5.05E-03	1.59E-06	4.64E-07
1918	494711.06, 3859301.99	2.89E-03	9.11E-07	2.65E-07	3.12E-03	9.84E-07	2.86E-07	4.97E-03	1.57E-06	4.57E-07
1919	494761.06, 3859301.99	2.85E-03	8.99E-07	2.61E-07	3.08E-03	9.71E-07	2.82E-07	4.91E-03	1.55E-06	4.50E-07
1920	494811.06, 3859301.99	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
1921	494861.06, 3859301.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.23E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
1922	494911.06, 3859301.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.10E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
1923	494961.06, 3859301.99	2.59E-03	8.17E-07	2.38E-07	2.79E-03	8.82E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
1924	495011.06, 3859301.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.41E-03	1.39E-06	4.04E-07
1925	495061.06, 3859301.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.47E-03	1.41E-06	4.10E-07
1926	495111.06, 3859301.99	2.55E-03	8.06E-07	2.34E-07	2.76E-03	8.70E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
1927	495161.06, 3859301.99	2.54E-03	8.03E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1928	495211.06, 3859301.99	2.55E-03	8.06E-07	2.34E-07	2.76E-03	8.71E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
1929	495261.06, 3859301.99	2.55E-03	8.05E-07	2.34E-07	2.76E-03	8.70E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
1930	495311.06, 3859301.99	2.52E-03	7.97E-07	2.32E-07	2.73E-03	8.60E-07	2.50E-07	4.35E-03	1.37E-06	3.99E-07
1931	495361.06, 3859301.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.35E-03	1.37E-06	3.99E-07
1932	495411.06, 3859301.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1933	495461.06, 3859301.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
1934	495511.06, 3859301.99	2.49E-03	7.85E-07	2.28E-07	2.69E-03	8.48E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
1935	495561.06, 3859301.99	2.45E-03	7.72E-07	2.25E-07	2.64E-03	8.34E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
1936	495611.06, 3859301.99	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1937	495661.06, 3859301.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1938	494311.06, 3859351.99	3.20E-03	1.01E-06	2.94E-07	3.46E-03	1.09E-06	3.17E-07	5.51E-03	1.74E-06	5.06E-07
1939	494361.06, 3859351.99	3.16E-03	9.99E-07	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.45E-03	1.72E-06	5.00E-07
1940	494411.06, 3859351.99	3.12E-03	9.83E-07	2.86E-07	3.37E-03	1.06E-06	3.09E-07	5.37E-03	1.69E-06	4.93E-07
1941	494461.06, 3859351.99	3.07E-03	9.70E-07	2.82E-07	3.32E-03	1.05E-06	3.05E-07	5.29E-03	1.67E-06	4.86E-07
1942	494511.06, 3859351.99	3.04E-03	9.58E-07	2.79E-07	3.28E-03	1.03E-06	3.01E-07	5.23E-03	1.65E-06	4.80E-07
1943	494561.06, 3859351.99	3.01E-03	9.49E-07	2.76E-07	3.25E-03	1.03E-06	2.98E-07	5.18E-03	1.64E-06	4.76E-07
1944	494611.06, 3859351.99	2.97E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.62E-06	4.70E-07
1945	494661.06, 3859351.99	2.94E-03	9.27E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.06E-03	1.60E-06	4.65E-07
1946	494711.06, 3859351.99	2.89E-03	9.13E-07	2.65E-07	3.12E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.57E-07
1947	494761.06, 3859351.99	2.83E-03	8.94E-07	2.60E-07	3.06E-03	9.65E-07	2.81E-07	4.88E-03	1.54E-06	4.48E-07
1948	494811.06, 3859351.99	2.75E-03	8.67E-07	2.52E-07	2.97E-03	9.37E-07	2.72E-07	4.73E-03	1.49E-06	4.35E-07

1949	494861.06, 3859351.99	2.72E-03	8.57E-07	2.49E-07	2.93E-03	9.26E-07	2.69E-07	4.68E-03	1.48E-06	4.30E-07
1950	494911.06, 3859351.99	2.70E-03	8.51E-07	2.47E-07	2.91E-03	9.19E-07	2.67E-07	4.64E-03	1.47E-06	4.26E-07
1951	494961.06, 3859351.99	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.64E-07	4.58E-03	1.45E-06	4.20E-07
1952	495011.06, 3859351.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1953	495061.06, 3859351.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
1954	495111.06, 3859351.99	2.62E-03	8.26E-07	2.40E-07	2.83E-03	8.93E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
1955	495161.06, 3859351.99	2.61E-03	8.22E-07	2.39E-07	2.81E-03	8.88E-07	2.58E-07	4.49E-03	1.42E-06	4.12E-07
1956	495211.06, 3859351.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
1957	495261.06, 3859351.99	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.45E-03	1.41E-06	4.09E-07
1958	495311.06, 3859351.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1959	495361.06, 3859351.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
1960	495411.06, 3859351.99	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.67E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1961	495461.06, 3859351.99	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.66E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1962	495511.06, 3859351.99	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.55E-07	2.49E-07	4.32E-03	1.36E-06	3.97E-07
1963	495561.06, 3859351.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.28E-03	1.35E-06	3.93E-07
1964	495611.06, 3859351.99	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.25E-03	1.34E-06	3.90E-07
1965	495661.06, 3859351.99	2.43E-03	7.67E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.19E-03	1.32E-06	3.84E-07
1966	494311.06, 3859401.99	3.19E-03	1.01E-06	2.93E-07	3.45E-03	1.09E-06	3.17E-07	5.50E-03	1.74E-06	5.05E-07
1967	494361.06, 3859401.99	3.15E-03	9.94E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.42E-03	1.71E-06	4.98E-07
1968	494411.06, 3859401.99	3.10E-03	9.79E-07	2.85E-07	3.35E-03	1.06E-06	3.07E-07	5.34E-03	1.69E-06	4.90E-07
1969	494461.06, 3859401.99	3.06E-03	9.67E-07	2.81E-07	3.31E-03	1.04E-06	3.04E-07	5.28E-03	1.67E-06	4.85E-07
1970	494511.06, 3859401.99	3.04E-03	9.60E-07	2.79E-07	3.28E-03	1.04E-06	3.01E-07	5.24E-03	1.65E-06	4.81E-07
1971	494561.06, 3859401.99	3.01E-03	9.50E-07	2.76E-07	3.25E-03	1.03E-06	2.99E-07	5.19E-03	1.64E-06	4.76E-07
1972	494611.06, 3859401.99	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.62E-06	4.70E-07
1973	494661.06, 3859401.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.08E-03	1.60E-06	4.66E-07
1974	494711.06, 3859401.99	2.91E-03	9.20E-07	2.68E-07	3.15E-03	9.94E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
1975	494761.06, 3859401.99	2.85E-03	9.00E-07	2.62E-07	3.08E-03	9.72E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
1976	494811.06, 3859401.99	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.56E-07	2.78E-07	4.83E-03	1.52E-06	4.43E-07
1977	494861.06, 3859401.99	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.35E-07	2.72E-07	4.73E-03	1.49E-06	4.34E-07
1978	494911.06, 3859401.99	2.71E-03	8.54E-07	2.48E-07	2.92E-03	9.23E-07	2.68E-07	4.66E-03	1.47E-06	4.28E-07
1979	494961.06, 3859401.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.15E-07	2.66E-07	4.63E-03	1.46E-06	4.25E-07
1980	495011.06, 3859401.99	2.67E-03	8.43E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.60E-03	1.45E-06	4.23E-07
1981	495061.06, 3859401.99	2.66E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
1982	495111.06, 3859401.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.98E-07	2.61E-07	4.54E-03	1.43E-06	4.16E-07
1983	495161.06, 3859401.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
1984	495211.06, 3859401.99	2.62E-03	8.27E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
1985	495261.06, 3859401.99	2.61E-03	8.23E-07	2.39E-07	2.82E-03	8.89E-07	2.58E-07	4.49E-03	1.42E-06	4.12E-07
1986	495311.06, 3859401.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
1987	495361.06, 3859401.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
1988	495411.06, 3859401.99	2.58E-03	8.14E-07	2.37E-07	2.79E-03	8.79E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
1989	495461.06, 3859401.99	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1990	495511.06, 3859401.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
1991	495561.06, 3859401.99	2.49E-03	7.86E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.29E-03	1.35E-06	3.94E-07
1992	495611.06, 3859401.99	2.47E-03	7.79E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.91E-07
1993	495661.06, 3859401.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.23E-03	1.33E-06	3.88E-07
1994	494311.06, 3859451.99	3.17E-03	9.99E-07	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.45E-03	1.72E-06	5.00E-07
1995	494361.06, 3859451.99	3.13E-03	9.87E-07	2.87E-07	3.38E-03	1.07E-06	3.10E-07	5.38E-03	1.70E-06	4.94E-07
1996	494411.06, 3859451.99	3.07E-03	9.70E-07	2.82E-07	3.32E-03	1.05E-06	3.05E-07	5.29E-03	1.67E-06	4.86E-07
1997	494461.06, 3859451.99	3.05E-03	9.64E-07	2.80E-07	3.30E-03	1.04E-06	3.03E-07	5.26E-03	1.66E-06	4.83E-07
1998	494511.06, 3859451.99	3.02E-03	9.53E-07	2.77E-07	3.26E-03	1.03E-06	2.99E-07	5.20E-03	1.64E-06	4.77E-07
1999	494561.06, 3859451.99	2.99E-03	9.44E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.15E-03	1.63E-06	4.73E-07
2000	494611.06, 3859451.99	2.98E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.13E-03	1.62E-06	4.71E-07
2001	494661.06, 3859451.99	2.94E-03	9.28E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.06E-03	1.60E-06	4.65E-07
2002	494711.06, 3859451.99	2.90E-03	9.16E-07	2.66E-07	3.13E-03	9.89E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
2003	494761.06, 3859451.99	2.87E-03	9.06E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.54E-07
2004	494811.06, 3859451.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.62E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
2005	494861.06, 3859451.99	2.78E-03	8.77E-07	2.55E-07	3.00E-03	9.48E-07	2.76E-07	4.79E-03	1.51E-06	4.40E-07
2006	494911.06, 3859451.99	2.75E-03	8.68E-07	2.52E-07	2.97E-03	9.37E-07	2.73E-07	4.74E-03	1.49E-06	4.35E-07
2007	494961.06, 3859451.99	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.71E-03	1.49E-06	4.32E-07
2008	495011.06, 3859451.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.23E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
2009	495061.06, 3859451.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.16E-07	2.66E-07	4.63E-03	1.46E-06	4.25E-07

2010	495111.06, 3859451.99	2.66E-03	8.40E-07	2.44E-07	2.88E-03	9.08E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
2011	495161.06, 3859451.99	2.65E-03	8.37E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.57E-03	1.44E-06	4.20E-07
2012	495211.06, 3859451.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2013	495261.06, 3859451.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
2014	495311.06, 3859451.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2015	495361.06, 3859451.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.50E-03	1.42E-06	4.13E-07
2016	495411.06, 3859451.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
2017	495461.06, 3859451.99	2.58E-03	8.13E-07	2.37E-07	2.78E-03	8.78E-07	2.55E-07	4.44E-03	1.40E-06	4.07E-07
2018	495511.06, 3859451.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
2019	495561.06, 3859451.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2020	495611.06, 3859451.99	2.50E-03	7.88E-07	2.29E-07	2.70E-03	8.51E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2021	495661.06, 3859451.99	2.48E-03	7.82E-07	2.27E-07	2.68E-03	8.45E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2022	494311.06, 3859501.99	3.14E-03	9.92E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.41E-03	1.71E-06	4.97E-07
2023	494361.06, 3859501.99	3.11E-03	9.81E-07	2.85E-07	3.36E-03	1.06E-06	3.08E-07	5.35E-03	1.69E-06	4.91E-07
2024	494411.06, 3859501.99	3.04E-03	9.60E-07	2.79E-07	3.29E-03	1.04E-06	3.02E-07	5.24E-03	1.65E-06	4.81E-07
2025	494461.06, 3859501.99	3.04E-03	9.60E-07	2.79E-07	3.28E-03	1.04E-06	3.02E-07	5.24E-03	1.65E-06	4.81E-07
2026	494511.06, 3859501.99	3.01E-03	9.49E-07	2.76E-07	3.25E-03	1.02E-06	2.98E-07	5.17E-03	1.63E-06	4.75E-07
2027	494561.06, 3859501.99	2.97E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.62E-06	4.70E-07
2028	494611.06, 3859501.99	2.98E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.62E-06	4.70E-07
2029	494661.06, 3859501.99	2.94E-03	9.27E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.06E-03	1.60E-06	4.64E-07
2030	494711.06, 3859501.99	2.89E-03	9.11E-07	2.65E-07	3.12E-03	9.84E-07	2.86E-07	4.97E-03	1.57E-06	4.56E-07
2031	494761.06, 3859501.99	2.88E-03	9.08E-07	2.64E-07	3.11E-03	9.81E-07	2.85E-07	4.96E-03	1.56E-06	4.55E-07
2032	494811.06, 3859501.99	2.81E-03	8.88E-07	2.58E-07	3.04E-03	9.59E-07	2.79E-07	4.85E-03	1.53E-06	4.45E-07
2033	494861.06, 3859501.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.80E-03	1.52E-06	4.41E-07
2034	494911.06, 3859501.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.78E-03	1.51E-06	4.38E-07
2035	494961.06, 3859501.99	2.74E-03	8.65E-07	2.51E-07	2.96E-03	9.34E-07	2.72E-07	4.72E-03	1.49E-06	4.33E-07
2036	495011.06, 3859501.99	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
2037	495061.06, 3859501.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.67E-03	1.47E-06	4.29E-07
2038	495111.06, 3859501.99	2.68E-03	8.46E-07	2.46E-07	2.89E-03	9.14E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
2039	495161.06, 3859501.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
2040	495211.06, 3859501.99	2.66E-03	8.41E-07	2.44E-07	2.88E-03	9.08E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
2041	495261.06, 3859501.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.57E-03	1.44E-06	4.19E-07
2042	495311.06, 3859501.99	2.64E-03	8.34E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
2043	495361.06, 3859501.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2044	495411.06, 3859501.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.50E-03	1.42E-06	4.13E-07
2045	495461.06, 3859501.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.47E-03	1.41E-06	4.10E-07
2046	495511.06, 3859501.99	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
2047	495561.06, 3859501.99	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.66E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
2048	495611.06, 3859501.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2049	495661.06, 3859501.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.30E-03	1.36E-06	3.94E-07
2050	494311.06, 3859551.99	3.12E-03	9.83E-07	2.86E-07	3.36E-03	1.06E-06	3.09E-07	5.36E-03	1.69E-06	4.92E-07
2051	494361.06, 3859551.99	3.08E-03	9.71E-07	2.82E-07	3.32E-03	1.05E-06	3.05E-07	5.29E-03	1.67E-06	4.86E-07
2052	494411.06, 3859551.99	3.01E-03	9.51E-07	2.77E-07	3.25E-03	1.03E-06	2.99E-07	5.19E-03	1.64E-06	4.76E-07
2053	494461.06, 3859551.99	3.02E-03	9.53E-07	2.77E-07	3.26E-03	1.03E-06	2.99E-07	5.20E-03	1.64E-06	4.77E-07
2054	494511.06, 3859551.99	2.99E-03	9.43E-07	2.74E-07	3.23E-03	1.02E-06	2.96E-07	5.14E-03	1.62E-06	4.72E-07
2055	494561.06, 3859551.99	2.96E-03	9.35E-07	2.72E-07	3.20E-03	1.01E-06	2.94E-07	5.10E-03	1.61E-06	4.68E-07
2056	494611.06, 3859551.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.66E-07
2057	494661.06, 3859551.99	2.93E-03	9.24E-07	2.69E-07	3.16E-03	9.98E-07	2.90E-07	5.04E-03	1.59E-06	4.63E-07
2058	494711.06, 3859551.99	2.86E-03	9.02E-07	2.62E-07	3.09E-03	9.74E-07	2.83E-07	4.92E-03	1.55E-06	4.52E-07
2059	494761.06, 3859551.99	2.87E-03	9.06E-07	2.63E-07	3.10E-03	9.78E-07	2.85E-07	4.94E-03	1.56E-06	4.54E-07
2060	494811.06, 3859551.99	2.82E-03	8.90E-07	2.59E-07	3.04E-03	9.61E-07	2.80E-07	4.85E-03	1.53E-06	4.46E-07
2061	494861.06, 3859551.99	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.82E-03	1.52E-06	4.42E-07
2062	494911.06, 3859551.99	2.77E-03	8.74E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.77E-03	1.50E-06	4.38E-07
2063	494961.06, 3859551.99	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.74E-03	1.50E-06	4.35E-07
2064	495011.06, 3859551.99	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.36E-07	2.72E-07	4.73E-03	1.49E-06	4.34E-07
2065	495061.06, 3859551.99	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
2066	495111.06, 3859551.99	2.70E-03	8.51E-07	2.48E-07	2.91E-03	9.19E-07	2.67E-07	4.64E-03	1.47E-06	4.26E-07
2067	495161.06, 3859551.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.16E-07	2.66E-07	4.63E-03	1.46E-06	4.25E-07
2068	495211.06, 3859551.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
2069	495261.06, 3859551.99	2.66E-03	8.40E-07	2.44E-07	2.87E-03	9.07E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
2070	495311.06, 3859551.99	2.64E-03	8.35E-07	2.43E-07	2.86E-03	9.01E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07

2071	495361.06, 3859551.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2072	495411.06, 3859551.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2073	495461.06, 3859551.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.47E-03	1.41E-06	4.10E-07
2074	495511.06, 3859551.99	2.56E-03	8.09E-07	2.35E-07	2.77E-03	8.74E-07	2.54E-07	4.42E-03	1.39E-06	4.06E-07
2075	495561.06, 3859551.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.53E-07	4.39E-03	1.38E-06	4.03E-07
2076	495611.06, 3859551.99	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
2077	495661.06, 3859551.99	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.54E-07	2.48E-07	4.32E-03	1.36E-06	3.96E-07
2078	494311.06, 3859601.99	3.09E-03	9.75E-07	2.84E-07	3.34E-03	1.05E-06	3.06E-07	5.31E-03	1.68E-06	4.88E-07
2079	494361.06, 3859601.99	3.03E-03	9.56E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.21E-03	1.64E-06	4.78E-07
2080	494411.06, 3859601.99	2.99E-03	9.44E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.15E-03	1.62E-06	4.73E-07
2081	494461.06, 3859601.99	3.00E-03	9.46E-07	2.75E-07	3.24E-03	1.02E-06	2.97E-07	5.15E-03	1.63E-06	4.73E-07
2082	494511.06, 3859601.99	2.95E-03	9.32E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.08E-03	1.60E-06	4.67E-07
2083	494561.06, 3859601.99	2.95E-03	9.31E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.08E-03	1.60E-06	4.66E-07
2084	494611.06, 3859601.99	2.94E-03	9.28E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.06E-03	1.60E-06	4.64E-07
2085	494661.06, 3859601.99	2.89E-03	9.13E-07	2.66E-07	3.12E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.57E-07
2086	494711.06, 3859601.99	2.85E-03	8.99E-07	2.61E-07	3.08E-03	9.71E-07	2.82E-07	4.90E-03	1.55E-06	4.50E-07
2087	494761.06, 3859601.99	2.87E-03	9.06E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.54E-07
2088	494811.06, 3859601.99	2.82E-03	8.91E-07	2.59E-07	3.05E-03	9.62E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
2089	494861.06, 3859601.99	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.56E-07	2.78E-07	4.83E-03	1.52E-06	4.43E-07
2090	494911.06, 3859601.99	2.77E-03	8.73E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.76E-03	1.50E-06	4.37E-07
2091	494961.06, 3859601.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
2092	495011.06, 3859601.99	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2093	495061.06, 3859601.99	2.73E-03	8.61E-07	2.51E-07	2.95E-03	9.30E-07	2.71E-07	4.70E-03	1.48E-06	4.31E-07
2094	495111.06, 3859601.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2095	495161.06, 3859601.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.64E-03	1.46E-06	4.26E-07
2096	495211.06, 3859601.99	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.13E-07	2.66E-07	4.61E-03	1.46E-06	4.23E-07
2097	495261.06, 3859601.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2098	495311.06, 3859601.99	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.64E-07	4.58E-03	1.44E-06	4.20E-07
2099	495361.06, 3859601.99	2.64E-03	8.34E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
2100	495411.06, 3859601.99	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2101	495461.06, 3859601.99	2.60E-03	8.20E-07	2.38E-07	2.80E-03	8.85E-07	2.57E-07	4.47E-03	1.41E-06	4.11E-07
2102	495511.06, 3859601.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.42E-03	1.40E-06	4.06E-07
2103	495561.06, 3859601.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
2104	495611.06, 3859601.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.35E-03	1.37E-06	3.99E-07
2105	495661.06, 3859601.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.57E-07	2.49E-07	4.33E-03	1.37E-06	3.98E-07
2106	494311.06, 3859651.99	3.04E-03	9.61E-07	2.80E-07	3.29E-03	1.04E-06	3.02E-07	5.23E-03	1.65E-06	4.81E-07
2107	494361.06, 3859651.99	2.99E-03	9.44E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.15E-03	1.62E-06	4.72E-07
2108	494411.06, 3859651.99	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.11E-03	1.61E-06	4.69E-07
2109	494461.06, 3859651.99	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.11E-03	1.61E-06	4.69E-07
2110	494511.06, 3859651.99	2.95E-03	9.31E-07	2.71E-07	3.19E-03	1.01E-06	2.92E-07	5.07E-03	1.60E-06	4.66E-07
2111	494561.06, 3859651.99	2.94E-03	9.26E-07	2.69E-07	3.17E-03	1.00E-06	2.91E-07	5.05E-03	1.59E-06	4.64E-07
2112	494611.06, 3859651.99	2.92E-03	9.21E-07	2.68E-07	3.15E-03	9.95E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
2113	494661.06, 3859651.99	2.87E-03	9.05E-07	2.63E-07	3.10E-03	9.78E-07	2.84E-07	4.94E-03	1.56E-06	4.53E-07
2114	494711.06, 3859651.99	2.86E-03	9.01E-07	2.62E-07	3.08E-03	9.73E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
2115	494761.06, 3859651.99	2.85E-03	8.98E-07	2.61E-07	3.07E-03	9.70E-07	2.82E-07	4.90E-03	1.55E-06	4.49E-07
2116	494811.06, 3859651.99	2.82E-03	8.89E-07	2.58E-07	3.04E-03	9.60E-07	2.79E-07	4.84E-03	1.53E-06	4.45E-07
2117	494861.06, 3859651.99	2.80E-03	8.84E-07	2.57E-07	3.03E-03	9.55E-07	2.78E-07	4.82E-03	1.52E-06	4.43E-07
2118	494911.06, 3859651.99	2.78E-03	8.77E-07	2.55E-07	3.00E-03	9.47E-07	2.76E-07	4.78E-03	1.51E-06	4.39E-07
2119	494961.06, 3859651.99	2.76E-03	8.72E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.76E-03	1.50E-06	4.37E-07
2120	495011.06, 3859651.99	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.36E-07	2.72E-07	4.72E-03	1.49E-06	4.34E-07
2121	495061.06, 3859651.99	2.73E-03	8.63E-07	2.51E-07	2.95E-03	9.32E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2122	495111.06, 3859651.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
2123	495161.06, 3859651.99	2.70E-03	8.51E-07	2.47E-07	2.91E-03	9.19E-07	2.67E-07	4.64E-03	1.46E-06	4.26E-07
2124	495211.06, 3859651.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.15E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
2125	495261.06, 3859651.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.10E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2126	495311.06, 3859651.99	2.66E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.57E-03	1.44E-06	4.20E-07
2127	495361.06, 3859651.99	2.64E-03	8.34E-07	2.43E-07	2.86E-03	9.01E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
2128	495411.06, 3859651.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2129	495461.06, 3859651.99	2.60E-03	8.20E-07	2.38E-07	2.81E-03	8.85E-07	2.58E-07	4.47E-03	1.41E-06	4.11E-07
2130	495511.06, 3859651.99	2.57E-03	8.11E-07	2.36E-07	2.78E-03	8.76E-07	2.55E-07	4.43E-03	1.40E-06	4.06E-07
2131	495561.06, 3859651.99	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07

2132	495611.06, 3859651.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.02E-07
2133	495661.06, 3859651.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2134	494311.06, 3859701.99	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.11E-03	1.61E-06	4.69E-07
2135	494361.06, 3859701.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.65E-07
2136	494411.06, 3859701.99	2.94E-03	9.27E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.05E-03	1.59E-06	4.64E-07
2137	494461.06, 3859701.99	2.95E-03	9.30E-07	2.70E-07	3.18E-03	1.00E-06	2.92E-07	5.06E-03	1.60E-06	4.65E-07
2138	494511.06, 3859701.99	2.93E-03	9.24E-07	2.69E-07	3.16E-03	9.97E-07	2.90E-07	5.03E-03	1.59E-06	4.62E-07
2139	494561.06, 3859701.99	2.91E-03	9.20E-07	2.68E-07	3.15E-03	9.93E-07	2.89E-07	5.01E-03	1.58E-06	4.60E-07
2140	494611.06, 3859701.99	2.90E-03	9.15E-07	2.66E-07	3.13E-03	9.88E-07	2.87E-07	4.99E-03	1.57E-06	4.58E-07
2141	494661.06, 3859701.99	2.85E-03	8.99E-07	2.61E-07	3.08E-03	9.71E-07	2.82E-07	4.90E-03	1.55E-06	4.50E-07
2142	494711.06, 3859701.99	2.84E-03	8.98E-07	2.61E-07	3.07E-03	9.69E-07	2.82E-07	4.89E-03	1.54E-06	4.49E-07
2143	494761.06, 3859701.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.85E-03	1.53E-06	4.45E-07
2144	494811.06, 3859701.99	2.80E-03	8.82E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
2145	494861.06, 3859701.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
2146	494911.06, 3859701.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
2147	494961.06, 3859701.99	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.38E-07	2.73E-07	4.74E-03	1.50E-06	4.35E-07
2148	495011.06, 3859701.99	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.35E-07	2.72E-07	4.72E-03	1.49E-06	4.33E-07
2149	495061.06, 3859701.99	2.73E-03	8.61E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
2150	495111.06, 3859701.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.66E-03	1.47E-06	4.28E-07
2151	495161.06, 3859701.99	2.69E-03	8.49E-07	2.47E-07	2.91E-03	9.17E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2152	495211.06, 3859701.99	2.67E-03	8.43E-07	2.45E-07	2.88E-03	9.10E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
2153	495261.06, 3859701.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
2154	495311.06, 3859701.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2155	495361.06, 3859701.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2156	495411.06, 3859701.99	2.61E-03	8.23E-07	2.39E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2157	495461.06, 3859701.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2158	495511.06, 3859701.99	2.55E-03	8.06E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
2159	495561.06, 3859701.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
2160	495611.06, 3859701.99	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2161	495661.06, 3859701.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2162	494311.06, 3859751.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.65E-07
2163	494361.06, 3859751.99	2.93E-03	9.25E-07	2.69E-07	3.16E-03	9.99E-07	2.90E-07	5.04E-03	1.59E-06	4.62E-07
2164	494411.06, 3859751.99	2.91E-03	9.18E-07	2.67E-07	3.14E-03	9.91E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
2165	494461.06, 3859751.99	2.91E-03	9.18E-07	2.67E-07	3.14E-03	9.92E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
2166	494511.06, 3859751.99	2.90E-03	9.17E-07	2.67E-07	3.14E-03	9.90E-07	2.88E-07	4.99E-03	1.58E-06	4.58E-07
2167	494561.06, 3859751.99	2.89E-03	9.11E-07	2.65E-07	3.12E-03	9.84E-07	2.86E-07	4.96E-03	1.57E-06	4.56E-07
2168	494611.06, 3859751.99	2.87E-03	9.04E-07	2.63E-07	3.09E-03	9.77E-07	2.84E-07	4.93E-03	1.55E-06	4.52E-07
2169	494661.06, 3859751.99	2.83E-03	8.93E-07	2.60E-07	3.06E-03	9.65E-07	2.81E-07	4.87E-03	1.54E-06	4.47E-07
2170	494711.06, 3859751.99	2.83E-03	8.92E-07	2.59E-07	3.05E-03	9.63E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
2171	494761.06, 3859751.99	2.81E-03	8.88E-07	2.58E-07	3.04E-03	9.59E-07	2.79E-07	4.84E-03	1.53E-06	4.44E-07
2172	494811.06, 3859751.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.80E-03	1.52E-06	4.41E-07
2173	494861.06, 3859751.99	2.78E-03	8.77E-07	2.55E-07	3.00E-03	9.47E-07	2.75E-07	4.78E-03	1.51E-06	4.39E-07
2174	494911.06, 3859751.99	2.76E-03	8.72E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2175	494961.06, 3859751.99	2.75E-03	8.68E-07	2.52E-07	2.97E-03	9.37E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2176	495011.06, 3859751.99	2.73E-03	8.63E-07	2.51E-07	2.95E-03	9.32E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2177	495061.06, 3859751.99	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
2178	495111.06, 3859751.99	2.71E-03	8.54E-07	2.48E-07	2.92E-03	9.22E-07	2.68E-07	4.66E-03	1.47E-06	4.27E-07
2179	495161.06, 3859751.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.16E-07	2.66E-07	4.62E-03	1.46E-06	4.25E-07
2180	495211.06, 3859751.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.10E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2181	495261.06, 3859751.99	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.63E-07	4.57E-03	1.44E-06	4.20E-07
2182	495311.06, 3859751.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
2183	495361.06, 3859751.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2184	495411.06, 3859751.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2185	495461.06, 3859751.99	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.82E-07	2.56E-07	4.45E-03	1.40E-06	4.09E-07
2186	495511.06, 3859751.99	2.56E-03	8.09E-07	2.35E-07	2.77E-03	8.74E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
2187	495561.06, 3859751.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
2188	495611.06, 3859751.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
2189	495661.06, 3859751.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2190	494311.06, 3859801.99	2.92E-03	9.22E-07	2.68E-07	3.15E-03	9.96E-07	2.90E-07	5.02E-03	1.58E-06	4.61E-07
2191	494361.06, 3859801.99	2.90E-03	9.15E-07	2.66E-07	3.13E-03	9.88E-07	2.87E-07	4.98E-03	1.57E-06	4.57E-07
2192	494411.06, 3859801.99	2.87E-03	9.07E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.53E-07

2193	494461.06, 3859801.99	2.87E-03	9.07E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.53E-07
2194	494511.06, 3859801.99	2.87E-03	9.07E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.53E-07
2195	494561.06, 3859801.99	2.86E-03	9.02E-07	2.62E-07	3.09E-03	9.74E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
2196	494611.06, 3859801.99	2.83E-03	8.93E-07	2.60E-07	3.05E-03	9.64E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
2197	494661.06, 3859801.99	2.81E-03	8.87E-07	2.58E-07	3.04E-03	9.58E-07	2.79E-07	4.83E-03	1.52E-06	4.44E-07
2198	494711.06, 3859801.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.79E-03	1.51E-06	4.40E-07
2199	494761.06, 3859801.99	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.80E-03	1.51E-06	4.40E-07
2200	494811.06, 3859801.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.50E-06	4.38E-07
2201	494861.06, 3859801.99	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2202	494911.06, 3859801.99	2.74E-03	8.65E-07	2.52E-07	2.96E-03	9.35E-07	2.72E-07	4.71E-03	1.49E-06	4.33E-07
2203	494961.06, 3859801.99	2.73E-03	8.61E-07	2.50E-07	2.95E-03	9.30E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
2204	495011.06, 3859801.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
2205	495061.06, 3859801.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2206	495111.06, 3859801.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.15E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
2207	495161.06, 3859801.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
2208	495211.06, 3859801.99	2.66E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.57E-03	1.44E-06	4.19E-07
2209	495261.06, 3859801.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.54E-03	1.43E-06	4.16E-07
2210	495311.06, 3859801.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2211	495361.06, 3859801.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2212	495411.06, 3859801.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2213	495461.06, 3859801.99	2.58E-03	8.13E-07	2.36E-07	2.78E-03	8.78E-07	2.55E-07	4.43E-03	1.40E-06	4.07E-07
2214	495511.06, 3859801.99	2.55E-03	8.06E-07	2.34E-07	2.76E-03	8.70E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
2215	495561.06, 3859801.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2216	495611.06, 3859801.99	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.64E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
2217	495661.06, 3859801.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.57E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
2218	494311.06, 3859851.99	2.88E-03	9.10E-07	2.65E-07	3.11E-03	9.83E-07	2.86E-07	4.95E-03	1.56E-06	4.55E-07
2219	494361.06, 3859851.99	2.87E-03	9.05E-07	2.63E-07	3.10E-03	9.77E-07	2.84E-07	4.92E-03	1.55E-06	4.52E-07
2220	494411.06, 3859851.99	2.85E-03	8.98E-07	2.61E-07	3.07E-03	9.70E-07	2.82E-07	4.89E-03	1.54E-06	4.49E-07
2221	494461.06, 3859851.99	2.83E-03	8.93E-07	2.60E-07	3.06E-03	9.65E-07	2.81E-07	4.86E-03	1.54E-06	4.47E-07
2222	494511.06, 3859851.99	2.83E-03	8.92E-07	2.59E-07	3.05E-03	9.63E-07	2.80E-07	4.85E-03	1.53E-06	4.46E-07
2223	494561.06, 3859851.99	2.82E-03	8.91E-07	2.59E-07	3.05E-03	9.62E-07	2.80E-07	4.85E-03	1.53E-06	4.45E-07
2224	494611.06, 3859851.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.80E-03	1.52E-06	4.41E-07
2225	494661.06, 3859851.99	2.79E-03	8.79E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.79E-03	1.51E-06	4.40E-07
2226	494711.06, 3859851.99	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.42E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2227	494761.06, 3859851.99	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2228	494811.06, 3859851.99	2.75E-03	8.67E-07	2.52E-07	2.97E-03	9.36E-07	2.72E-07	4.72E-03	1.49E-06	4.33E-07
2229	494861.06, 3859851.99	2.74E-03	8.64E-07	2.51E-07	2.96E-03	9.33E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2230	494911.06, 3859851.99	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.27E-07	2.70E-07	4.68E-03	1.48E-06	4.29E-07
2231	494961.06, 3859851.99	2.71E-03	8.54E-07	2.49E-07	2.92E-03	9.23E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2232	495011.06, 3859851.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2233	495061.06, 3859851.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.61E-03	1.46E-06	4.23E-07
2234	495111.06, 3859851.99	2.66E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.45E-06	4.20E-07
2235	495161.06, 3859851.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.56E-03	1.44E-06	4.18E-07
2236	495211.06, 3859851.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2237	495261.06, 3859851.99	2.62E-03	8.27E-07	2.41E-07	2.83E-03	8.93E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2238	495311.06, 3859851.99	2.61E-03	8.23E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2239	495361.06, 3859851.99	2.60E-03	8.19E-07	2.38E-07	2.80E-03	8.85E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
2240	495411.06, 3859851.99	2.58E-03	8.14E-07	2.37E-07	2.78E-03	8.79E-07	2.56E-07	4.43E-03	1.40E-06	4.07E-07
2241	495461.06, 3859851.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.04E-07
2242	495511.06, 3859851.99	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.67E-07	2.52E-07	4.37E-03	1.38E-06	4.02E-07
2243	495561.06, 3859851.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.36E-03	1.37E-06	4.00E-07
2244	495611.06, 3859851.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2245	495661.06, 3859851.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
2246	494311.06, 3859901.99	2.84E-03	8.98E-07	2.61E-07	3.07E-03	9.69E-07	2.82E-07	4.89E-03	1.54E-06	4.48E-07
2247	494361.06, 3859901.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.84E-03	1.53E-06	4.45E-07
2248	494411.06, 3859901.99	2.81E-03	8.88E-07	2.58E-07	3.04E-03	9.58E-07	2.79E-07	4.83E-03	1.52E-06	4.43E-07
2249	494461.06, 3859901.99	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.54E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
2250	494511.06, 3859901.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.79E-03	1.51E-06	4.40E-07
2251	494561.06, 3859901.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.79E-03	1.51E-06	4.40E-07
2252	494611.06, 3859901.99	2.76E-03	8.71E-07	2.53E-07	2.98E-03	9.41E-07	2.74E-07	4.74E-03	1.50E-06	4.35E-07
2253	494661.06, 3859901.99	2.76E-03	8.71E-07	2.53E-07	2.98E-03	9.40E-07	2.73E-07	4.74E-03	1.50E-06	4.35E-07

2254	494711.06, 3859901.99	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.69E-03	1.48E-06	4.31E-07
2255	494761.06, 3859901.99	2.73E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
2256	494811.06, 3859901.99	2.72E-03	8.58E-07	2.50E-07	2.94E-03	9.27E-07	2.70E-07	4.67E-03	1.47E-06	4.29E-07
2257	494861.06, 3859901.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.66E-03	1.47E-06	4.27E-07
2258	494911.06, 3859901.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2259	494961.06, 3859901.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.61E-03	1.46E-06	4.23E-07
2260	495011.06, 3859901.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
2261	495061.06, 3859901.99	2.65E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2262	495111.06, 3859901.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2263	495161.06, 3859901.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2264	495211.06, 3859901.99	2.61E-03	8.25E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2265	495261.06, 3859901.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2266	495311.06, 3859901.99	2.58E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
2267	495361.06, 3859901.99	2.57E-03	8.11E-07	2.36E-07	2.78E-03	8.76E-07	2.55E-07	4.42E-03	1.39E-06	4.06E-07
2268	495411.06, 3859901.99	2.55E-03	8.06E-07	2.34E-07	2.76E-03	8.70E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
2269	495461.06, 3859901.99	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2270	495511.06, 3859901.99	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.35E-03	1.37E-06	3.99E-07
2271	495561.06, 3859901.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.33E-03	1.37E-06	3.98E-07
2272	495611.06, 3859901.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2273	495661.06, 3859901.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2274	494311.06, 3859951.99	2.81E-03	8.86E-07	2.58E-07	3.03E-03	9.57E-07	2.78E-07	4.82E-03	1.52E-06	4.43E-07
2275	494361.06, 3859951.99	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.79E-03	1.51E-06	4.40E-07
2276	494411.06, 3859951.99	2.78E-03	8.76E-07	2.55E-07	3.00E-03	9.46E-07	2.75E-07	4.77E-03	1.50E-06	4.38E-07
2277	494461.06, 3859951.99	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.74E-03	1.50E-06	4.36E-07
2278	494511.06, 3859951.99	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.38E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2279	494561.06, 3859951.99	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2280	494611.06, 3859951.99	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.69E-03	1.48E-06	4.31E-07
2281	494661.06, 3859951.99	2.73E-03	8.61E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
2282	494711.06, 3859951.99	2.71E-03	8.54E-07	2.48E-07	2.92E-03	9.22E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2283	494761.06, 3859951.99	2.70E-03	8.51E-07	2.48E-07	2.91E-03	9.19E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2284	494811.06, 3859951.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.15E-07	2.66E-07	4.61E-03	1.46E-06	4.24E-07
2285	494861.06, 3859951.99	2.68E-03	8.46E-07	2.46E-07	2.89E-03	9.13E-07	2.66E-07	4.60E-03	1.45E-06	4.23E-07
2286	494911.06, 3859951.99	2.66E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.44E-06	4.20E-07
2287	494961.06, 3859951.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.55E-03	1.44E-06	4.18E-07
2288	495011.06, 3859951.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2289	495061.06, 3859951.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.95E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2290	495111.06, 3859951.99	2.61E-03	8.23E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.48E-03	1.41E-06	4.12E-07
2291	495161.06, 3859951.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2292	495211.06, 3859951.99	2.58E-03	8.14E-07	2.37E-07	2.78E-03	8.79E-07	2.56E-07	4.43E-03	1.40E-06	4.07E-07
2293	495261.06, 3859951.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
2294	495311.06, 3859951.99	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2295	495361.06, 3859951.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
2296	495411.06, 3859951.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
2297	495461.06, 3859951.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.33E-03	1.37E-06	3.97E-07
2298	495511.06, 3859951.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.54E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
2299	495561.06, 3859951.99	2.50E-03	7.88E-07	2.29E-07	2.70E-03	8.51E-07	2.48E-07	4.29E-03	1.36E-06	3.94E-07
2300	495611.06, 3859951.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2301	495661.06, 3859951.99	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
2302	494311.06, 3860001.99	2.77E-03	8.74E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2303	494361.06, 3860001.99	2.76E-03	8.70E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2304	494411.06, 3860001.99	2.74E-03	8.64E-07	2.51E-07	2.96E-03	9.33E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2305	494461.06, 3860001.99	2.73E-03	8.61E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
2306	494511.06, 3860001.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.66E-03	1.47E-06	4.28E-07
2307	494561.06, 3860001.99	2.72E-03	8.58E-07	2.49E-07	2.93E-03	9.26E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
2308	494611.06, 3860001.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.64E-03	1.46E-06	4.26E-07
2309	494661.06, 3860001.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.17E-07	2.67E-07	4.62E-03	1.46E-06	4.24E-07
2310	494711.06, 3860001.99	2.67E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.45E-06	4.20E-07
2311	494761.06, 3860001.99	2.66E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.44E-06	4.20E-07
2312	494811.06, 3860001.99	2.66E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2313	494861.06, 3860001.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.02E-07	2.62E-07	4.55E-03	1.44E-06	4.17E-07
2314	494911.06, 3860001.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07

2315	494961.06, 3860001.99	2.62E-03	8.25E-07	2.40E-07	2.82E-03	8.91E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2316	495011.06, 3860001.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.47E-03	1.41E-06	4.10E-07
2317	495061.06, 3860001.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2318	495111.06, 3860001.99	2.58E-03	8.14E-07	2.37E-07	2.79E-03	8.79E-07	2.56E-07	4.43E-03	1.40E-06	4.07E-07
2319	495161.06, 3860001.99	2.56E-03	8.10E-07	2.35E-07	2.77E-03	8.74E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
2320	495211.06, 3860001.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
2321	495261.06, 3860001.99	2.54E-03	8.03E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2322	495311.06, 3860001.99	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
2323	495361.06, 3860001.99	2.51E-03	7.94E-07	2.31E-07	2.71E-03	8.57E-07	2.49E-07	4.32E-03	1.36E-06	3.97E-07
2324	495411.06, 3860001.99	2.51E-03	7.92E-07	2.30E-07	2.71E-03	8.55E-07	2.49E-07	4.31E-03	1.36E-06	3.96E-07
2325	495461.06, 3860001.99	2.50E-03	7.88E-07	2.29E-07	2.70E-03	8.51E-07	2.47E-07	4.29E-03	1.35E-06	3.94E-07
2326	495511.06, 3860001.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2327	495561.06, 3860001.99	2.48E-03	7.82E-07	2.27E-07	2.67E-03	8.44E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
2328	495611.06, 3860001.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.34E-06	3.88E-07
2329	495661.06, 3860001.99	2.45E-03	7.72E-07	2.25E-07	2.64E-03	8.34E-07	2.43E-07	4.21E-03	1.33E-06	3.86E-07
2330	494411.06, 3860051.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.64E-03	1.46E-06	4.26E-07
2331	494461.06, 3860051.99	2.69E-03	8.49E-07	2.47E-07	2.90E-03	9.17E-07	2.67E-07	4.62E-03	1.46E-06	4.24E-07
2332	494511.06, 3860051.99	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.13E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
2333	494561.06, 3860051.99	2.67E-03	8.44E-07	2.46E-07	2.89E-03	9.11E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2334	494611.06, 3860051.99	2.67E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.44E-06	4.20E-07
2335	494661.06, 3860051.99	2.66E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2336	494711.06, 3860051.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.62E-07	4.53E-03	1.43E-06	4.16E-07
2337	494761.06, 3860051.99	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2338	494811.06, 3860051.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2339	494861.06, 3860051.99	2.62E-03	8.26E-07	2.40E-07	2.82E-03	8.92E-07	2.59E-07	4.49E-03	1.42E-06	4.13E-07
2340	494911.06, 3860051.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.47E-03	1.41E-06	4.10E-07
2341	494961.06, 3860051.99	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.82E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
2342	495011.06, 3860051.99	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.42E-03	1.39E-06	4.06E-07
2343	495061.06, 3860051.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2344	495111.06, 3860051.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2345	495161.06, 3860051.99	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.64E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
2346	495211.06, 3860051.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.33E-03	1.37E-06	3.98E-07
2347	495261.06, 3860051.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
2348	495311.06, 3860051.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2349	495361.06, 3860051.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2350	495411.06, 3860051.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2351	495461.06, 3860051.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
2352	495511.06, 3860051.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
2353	495561.06, 3860051.99	2.45E-03	7.73E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
2354	495611.06, 3860051.99	2.44E-03	7.69E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
2355	495661.06, 3860051.99	2.42E-03	7.65E-07	2.22E-07	2.62E-03	8.26E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
2356	494411.06, 3860101.99	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.64E-07	4.57E-03	1.44E-06	4.19E-07
2357	494461.06, 3860101.99	2.65E-03	8.38E-07	2.44E-07	2.87E-03	9.04E-07	2.63E-07	4.56E-03	1.44E-06	4.18E-07
2358	494511.06, 3860101.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.62E-07	4.53E-03	1.43E-06	4.16E-07
2359	494561.06, 3860101.99	2.63E-03	8.30E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2360	494611.06, 3860101.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2361	494661.06, 3860101.99	2.62E-03	8.26E-07	2.40E-07	2.83E-03	8.92E-07	2.59E-07	4.50E-03	1.42E-06	4.13E-07
2362	494711.06, 3860101.99	2.60E-03	8.22E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.47E-03	1.41E-06	4.10E-07
2363	494761.06, 3860101.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2364	494811.06, 3860101.99	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
2365	494861.06, 3860101.99	2.58E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
2366	494911.06, 3860101.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2367	494961.06, 3860101.99	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.70E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
2368	495011.06, 3860101.99	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.36E-03	1.38E-06	4.00E-07
2369	495061.06, 3860101.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2370	495111.06, 3860101.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.31E-03	1.36E-06	3.96E-07
2371	495161.06, 3860101.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2372	495211.06, 3860101.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2373	495261.06, 3860101.99	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.26E-03	1.35E-06	3.91E-07
2374	495311.06, 3860101.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
2375	495361.06, 3860101.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.34E-06	3.88E-07

2376	495411.06, 3860101.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
2377	495461.06, 3860101.99	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
2378	495511.06, 3860101.99	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
2379	495561.06, 3860101.99	2.42E-03	7.65E-07	2.22E-07	2.62E-03	8.26E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
2380	495611.06, 3860101.99	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
2381	495661.06, 3860101.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.17E-07	2.38E-07	4.12E-03	1.30E-06	3.78E-07
2382	494861.06, 3860151.99	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2383	494911.06, 3860151.99	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.61E-07	2.51E-07	4.34E-03	1.37E-06	3.99E-07
2384	494961.06, 3860151.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.49E-07	4.32E-03	1.36E-06	3.97E-07
2385	495011.06, 3860151.99	2.50E-03	7.91E-07	2.30E-07	2.70E-03	8.54E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2386	495061.06, 3860151.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2387	495111.06, 3860151.99	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.26E-03	1.35E-06	3.91E-07
2388	495161.06, 3860151.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
2389	495211.06, 3860151.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
2390	495261.06, 3860151.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
2391	495311.06, 3860151.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.32E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
2392	495361.06, 3860151.99	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
2393	495411.06, 3860151.99	2.42E-03	7.64E-07	2.22E-07	2.62E-03	8.25E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
2394	495461.06, 3860151.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
2395	495511.06, 3860151.99	2.40E-03	7.58E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
2396	495561.06, 3860151.99	2.39E-03	7.55E-07	2.20E-07	2.58E-03	8.15E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
2397	495611.06, 3860151.99	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.09E-03	1.29E-06	3.76E-07
2398	495661.06, 3860151.99	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.07E-03	1.29E-06	3.74E-07
2399	495718.25, 3859442.96	2.45E-03	7.73E-07	2.25E-07	2.64E-03	8.34E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
2400	495818.25, 3859442.96	2.40E-03	7.58E-07	2.20E-07	2.59E-03	8.19E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
2401	495918.25, 3859442.96	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.08E-03	1.29E-06	3.75E-07
2402	496018.25, 3859442.96	2.34E-03	7.39E-07	2.15E-07	2.53E-03	7.99E-07	2.32E-07	4.04E-03	1.27E-06	3.70E-07
2403	496118.25, 3859442.96	2.36E-03	7.44E-07	2.16E-07	2.55E-03	8.04E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
2404	496218.25, 3859442.96	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.08E-03	1.29E-06	3.74E-07
2405	496318.25, 3859442.96	2.34E-03	7.40E-07	2.15E-07	2.53E-03	7.99E-07	2.32E-07	4.04E-03	1.27E-06	3.71E-07
2406	496418.25, 3859442.96	2.32E-03	7.32E-07	2.13E-07	2.50E-03	7.91E-07	2.30E-07	4.00E-03	1.26E-06	3.67E-07
2407	495718.25, 3859542.96	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2408	495818.25, 3859542.96	2.45E-03	7.73E-07	2.25E-07	2.64E-03	8.35E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
2409	495918.25, 3859542.96	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
2410	496018.25, 3859542.96	2.37E-03	7.50E-07	2.18E-07	2.57E-03	8.10E-07	2.35E-07	4.09E-03	1.29E-06	3.76E-07
2411	496118.25, 3859542.96	2.39E-03	7.53E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.78E-07
2412	496218.25, 3859542.96	2.39E-03	7.53E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
2413	496318.25, 3859542.96	2.38E-03	7.50E-07	2.18E-07	2.57E-03	8.11E-07	2.36E-07	4.10E-03	1.29E-06	3.76E-07
2414	496418.25, 3859542.96	2.34E-03	7.40E-07	2.15E-07	2.53E-03	7.99E-07	2.32E-07	4.04E-03	1.27E-06	3.71E-07
2415	495718.25, 3859642.96	2.49E-03	7.86E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.29E-03	1.35E-06	3.94E-07
2416	495818.25, 3859642.96	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.23E-03	1.33E-06	3.88E-07
2417	495918.25, 3859642.96	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.19E-03	1.32E-06	3.84E-07
2418	496018.25, 3859642.96	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.17E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
2419	496118.25, 3859642.96	2.41E-03	7.61E-07	2.21E-07	2.61E-03	8.22E-07	2.39E-07	4.16E-03	1.31E-06	3.81E-07
2420	496218.25, 3859642.96	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.16E-03	1.31E-06	3.82E-07
2421	496318.25, 3859642.96	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.78E-07
2422	496418.25, 3859642.96	2.29E-03	7.24E-07	2.11E-07	2.48E-03	7.82E-07	2.28E-07	3.95E-03	1.25E-06	3.63E-07
2423	495718.25, 3859742.96	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.31E-03	1.36E-06	3.96E-07
2424	495818.25, 3859742.96	2.46E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
2425	495918.25, 3859742.96	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.30E-07	2.41E-07	4.19E-03	1.32E-06	3.85E-07
2426	496018.25, 3859742.96	2.40E-03	7.58E-07	2.20E-07	2.59E-03	8.19E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
2427	496118.25, 3859742.96	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
2428	496218.25, 3859742.96	2.42E-03	7.63E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.17E-03	1.31E-06	3.82E-07
2429	496318.25, 3859742.96	2.35E-03	7.41E-07	2.16E-07	2.54E-03	8.00E-07	2.33E-07	4.04E-03	1.28E-06	3.71E-07
2430	496418.25, 3859742.96	2.28E-03	7.20E-07	2.09E-07	2.46E-03	7.78E-07	2.26E-07	3.93E-03	1.24E-06	3.61E-07
2431	495718.25, 3859842.96	2.49E-03	7.86E-07	2.29E-07	2.69E-03	8.48E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2432	495818.25, 3859842.96	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
2433	495918.25, 3859842.96	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.19E-03	1.32E-06	3.84E-07
2434	496018.25, 3859842.96	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
2435	496118.25, 3859842.96	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
2436	496218.25, 3859842.96	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.29E-06	3.74E-07

2437	496318.25, 3859842.96	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.22E-07	3.86E-03	1.22E-06	3.55E-07
2438	496418.25, 3859842.96	2.16E-03	6.81E-07	1.98E-07	2.33E-03	7.36E-07	2.14E-07	3.72E-03	1.17E-06	3.41E-07
2439	495718.25, 3859942.96	2.46E-03	7.76E-07	2.26E-07	2.65E-03	8.38E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
2440	495818.25, 3859942.96	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
2441	495918.25, 3859942.96	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.14E-03	1.31E-06	3.81E-07
2442	496018.25, 3859942.96	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.20E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
2443	496118.25, 3859942.96	2.37E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.28E-06	3.74E-07
2444	496218.25, 3859942.96	2.29E-03	7.24E-07	2.11E-07	2.48E-03	7.82E-07	2.27E-07	3.95E-03	1.25E-06	3.63E-07
2445	496318.25, 3859942.96	2.22E-03	6.99E-07	2.03E-07	2.39E-03	7.55E-07	2.20E-07	3.82E-03	1.20E-06	3.50E-07
2446	496418.25, 3859942.96	2.10E-03	6.64E-07	1.93E-07	2.27E-03	7.17E-07	2.09E-07	3.62E-03	1.14E-06	3.32E-07
2447	496856.82, 3858864.83	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.67E-07	1.94E-07	3.37E-03	1.06E-06	3.09E-07
2448	496956.82, 3858864.83	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
2449	497056.82, 3858864.83	1.90E-03	6.00E-07	1.75E-07	2.05E-03	6.48E-07	1.88E-07	3.27E-03	1.03E-06	3.00E-07
2450	497156.82, 3858864.83	1.87E-03	5.89E-07	1.71E-07	2.02E-03	6.36E-07	1.85E-07	3.21E-03	1.01E-06	2.95E-07
2451	497256.82, 3858864.83	1.86E-03	5.86E-07	1.70E-07	2.00E-03	6.33E-07	1.84E-07	3.19E-03	1.01E-06	2.93E-07
2452	496856.82, 3858964.83	2.01E-03	6.33E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.45E-03	1.09E-06	3.17E-07
2453	496956.82, 3858964.83	1.96E-03	6.20E-07	1.80E-07	2.12E-03	6.69E-07	1.95E-07	3.38E-03	1.07E-06	3.10E-07
2454	497056.82, 3858964.83	1.93E-03	6.10E-07	1.77E-07	2.09E-03	6.58E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
2455	497156.82, 3858964.83	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.27E-03	1.03E-06	3.00E-07
2456	497256.82, 3858964.83	1.92E-03	6.05E-07	1.76E-07	2.07E-03	6.53E-07	1.90E-07	3.30E-03	1.04E-06	3.03E-07
2457	496856.82, 3859064.83	2.02E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.48E-03	1.10E-06	3.20E-07
2458	496956.82, 3859064.83	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.42E-03	1.08E-06	3.14E-07
2459	497056.82, 3859064.83	1.96E-03	6.19E-07	1.80E-07	2.12E-03	6.69E-07	1.94E-07	3.38E-03	1.07E-06	3.10E-07
2460	497156.82, 3859064.83	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.34E-03	1.05E-06	3.06E-07
2461	497256.82, 3859064.83	1.97E-03	6.22E-07	1.81E-07	2.13E-03	6.72E-07	1.95E-07	3.39E-03	1.07E-06	3.12E-07
2462	496856.82, 3859164.83	2.02E-03	6.38E-07	1.85E-07	2.18E-03	6.89E-07	2.00E-07	3.48E-03	1.10E-06	3.19E-07
2463	496956.82, 3859164.83	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.76E-07	1.97E-07	3.41E-03	1.08E-06	3.13E-07
2464	497056.82, 3859164.83	1.97E-03	6.21E-07	1.81E-07	2.13E-03	6.71E-07	1.95E-07	3.39E-03	1.07E-06	3.11E-07
2465	497156.82, 3859164.83	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.41E-03	1.08E-06	3.13E-07
2466	497256.82, 3859164.83	2.02E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
2467	496856.82, 3859264.83	2.00E-03	6.32E-07	1.84E-07	2.16E-03	6.82E-07	1.98E-07	3.45E-03	1.09E-06	3.16E-07
2468	496956.82, 3859264.83	2.00E-03	6.30E-07	1.83E-07	2.16E-03	6.81E-07	1.98E-07	3.44E-03	1.08E-06	3.16E-07
2469	497056.82, 3859264.83	2.01E-03	6.35E-07	1.85E-07	2.17E-03	6.86E-07	1.99E-07	3.46E-03	1.09E-06	3.18E-07
2470	497156.82, 3859264.83	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.89E-07	2.01E-07	3.48E-03	1.10E-06	3.20E-07
2471	497256.82, 3859264.83	2.06E-03	6.49E-07	1.89E-07	2.22E-03	7.01E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
2472	497088.92, 3858620.93	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.08E-07	1.77E-07	3.07E-03	9.67E-07	2.81E-07
2473	497138.92, 3858620.93	1.78E-03	5.62E-07	1.63E-07	1.92E-03	6.07E-07	1.76E-07	3.06E-03	9.66E-07	2.81E-07
2474	497188.92, 3858620.93	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.04E-03	9.60E-07	2.79E-07
2475	497238.92, 3858620.93	1.76E-03	5.55E-07	1.61E-07	1.90E-03	5.99E-07	1.74E-07	3.02E-03	9.55E-07	2.78E-07
2476	497088.92, 3858670.93	1.79E-03	5.64E-07	1.64E-07	1.93E-03	6.09E-07	1.77E-07	3.07E-03	9.69E-07	2.82E-07
2477	497138.92, 3858670.93	1.79E-03	5.66E-07	1.65E-07	1.94E-03	6.11E-07	1.78E-07	3.08E-03	9.73E-07	2.83E-07
2478	497188.92, 3858670.93	1.78E-03	5.61E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.06E-03	9.64E-07	2.80E-07
2479	497238.92, 3858670.93	1.77E-03	5.60E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.05E-03	9.62E-07	2.80E-07
2480	497088.92, 3858720.93	1.82E-03	5.76E-07	1.67E-07	1.97E-03	6.22E-07	1.81E-07	3.14E-03	9.90E-07	2.88E-07
2481	497138.92, 3858720.93	1.78E-03	5.62E-07	1.64E-07	1.92E-03	6.07E-07	1.77E-07	3.06E-03	9.67E-07	2.81E-07
2482	497188.92, 3858720.93	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.05E-03	9.62E-07	2.80E-07
2483	497238.92, 3858720.93	1.79E-03	5.66E-07	1.65E-07	1.94E-03	6.11E-07	1.78E-07	3.08E-03	9.73E-07	2.83E-07
2484	497088.92, 3858770.93	1.83E-03	5.79E-07	1.68E-07	1.98E-03	6.25E-07	1.82E-07	3.15E-03	9.95E-07	2.90E-07
2485	497138.92, 3858770.93	1.82E-03	5.73E-07	1.67E-07	1.96E-03	6.19E-07	1.80E-07	3.12E-03	9.85E-07	2.87E-07
2486	497188.92, 3858770.93	1.80E-03	5.68E-07	1.65E-07	1.94E-03	6.14E-07	1.79E-07	3.10E-03	9.78E-07	2.84E-07
2487	497238.92, 3858770.93	1.81E-03	5.72E-07	1.66E-07	1.96E-03	6.18E-07	1.80E-07	3.12E-03	9.84E-07	2.86E-07
2488	497396.65, 3858622.63	1.82E-03	5.76E-07	1.67E-07	1.97E-03	6.22E-07	1.81E-07	3.14E-03	9.90E-07	2.88E-07
2489	497496.65, 3858622.63	1.86E-03	5.87E-07	1.71E-07	2.01E-03	6.34E-07	1.84E-07	3.20E-03	1.01E-06	2.94E-07
2490	497596.65, 3858622.63	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.32E-03	1.05E-06	3.04E-07
2491	497696.65, 3858622.63	1.95E-03	6.14E-07	1.79E-07	2.10E-03	6.63E-07	1.93E-07	3.35E-03	1.06E-06	3.08E-07
2492	497796.65, 3858622.63	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.43E-03	1.08E-06	3.14E-07
2493	497896.65, 3858622.63	2.03E-03	6.41E-07	1.87E-07	2.20E-03	6.93E-07	2.02E-07	3.50E-03	1.10E-06	3.21E-07
2494	497396.65, 3858722.63	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.22E-03	1.02E-06	2.95E-07
2495	497496.65, 3858722.63	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.50E-07	1.89E-07	3.28E-03	1.04E-06	3.01E-07
2496	497596.65, 3858722.63	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.40E-03	1.07E-06	3.12E-07
2497	497696.65, 3858722.63	2.01E-03	6.34E-07	1.84E-07	2.17E-03	6.85E-07	1.99E-07	3.46E-03	1.09E-06	3.18E-07

2498	497796.65, 3858722.63	2.03E-03	6.39E-07	1.86E-07	2.19E-03	6.91E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
2499	497896.65, 3858722.63	2.05E-03	6.48E-07	1.89E-07	2.22E-03	7.00E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
2500	497396.65, 3858822.63	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.27E-03	1.03E-06	3.00E-07
2501	497496.65, 3858822.63	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.58E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
2502	497596.65, 3858822.63	2.01E-03	6.33E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.45E-03	1.09E-06	3.17E-07
2503	497696.65, 3858822.63	2.03E-03	6.41E-07	1.87E-07	2.20E-03	6.93E-07	2.02E-07	3.50E-03	1.10E-06	3.21E-07
2504	497796.65, 3858822.63	2.05E-03	6.47E-07	1.88E-07	2.21E-03	6.99E-07	2.03E-07	3.53E-03	1.11E-06	3.24E-07
2505	497896.65, 3858822.63	2.10E-03	6.63E-07	1.93E-07	2.27E-03	7.16E-07	2.08E-07	3.62E-03	1.14E-06	3.32E-07
2506	497396.65, 3858922.63	1.93E-03	6.09E-07	1.77E-07	2.09E-03	6.58E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
2507	497496.65, 3858922.63	2.00E-03	6.30E-07	1.83E-07	2.16E-03	6.81E-07	1.98E-07	3.44E-03	1.09E-06	3.16E-07
2508	497596.65, 3858922.63	1.99E-03	6.29E-07	1.83E-07	2.15E-03	6.79E-07	1.98E-07	3.43E-03	1.08E-06	3.15E-07
2509	497696.65, 3858922.63	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.56E-03	1.12E-06	3.27E-07
2510	497796.65, 3858922.63	2.11E-03	6.65E-07	1.93E-07	2.28E-03	7.18E-07	2.09E-07	3.63E-03	1.15E-06	3.33E-07
2511	497896.65, 3858922.63	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.40E-07	2.15E-07	3.74E-03	1.18E-06	3.43E-07
2512	497364.44, 3858201.52	1.74E-03	5.48E-07	1.60E-07	1.88E-03	5.92E-07	1.72E-07	2.99E-03	9.43E-07	2.74E-07
2513	497414.44, 3858201.52	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	3.02E-03	9.52E-07	2.77E-07
2514	497464.44, 3858201.52	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.04E-03	9.60E-07	2.79E-07
2515	497514.44, 3858201.52	1.78E-03	5.60E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.05E-03	9.64E-07	2.80E-07
2516	497564.44, 3858201.52	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.02E-07	1.75E-07	3.04E-03	9.60E-07	2.79E-07
2517	497614.44, 3858201.52	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.03E-07	1.76E-07	3.05E-03	9.61E-07	2.80E-07
2518	497364.44, 3858251.52	1.77E-03	5.57E-07	1.62E-07	1.91E-03	6.02E-07	1.75E-07	3.04E-03	9.58E-07	2.79E-07
2519	497414.44, 3858251.52	1.79E-03	5.65E-07	1.64E-07	1.93E-03	6.10E-07	1.77E-07	3.08E-03	9.71E-07	2.82E-07
2520	497464.44, 3858251.52	1.77E-03	5.60E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.05E-03	9.63E-07	2.80E-07
2521	497514.44, 3858251.52	1.76E-03	5.54E-07	1.61E-07	1.90E-03	5.99E-07	1.74E-07	3.02E-03	9.53E-07	2.77E-07
2522	497564.44, 3858251.52	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.96E-07	1.73E-07	3.01E-03	9.50E-07	2.76E-07
2523	497614.44, 3858251.52	1.74E-03	5.51E-07	1.60E-07	1.88E-03	5.95E-07	1.73E-07	3.00E-03	9.47E-07	2.75E-07
2524	497364.44, 3858301.52	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.05E-03	9.61E-07	2.80E-07
2525	497414.44, 3858301.52	1.79E-03	5.63E-07	1.64E-07	1.93E-03	6.08E-07	1.77E-07	3.07E-03	9.69E-07	2.82E-07
2526	497464.44, 3858301.52	1.77E-03	5.57E-07	1.62E-07	1.91E-03	6.02E-07	1.75E-07	3.04E-03	9.58E-07	2.79E-07
2527	497514.44, 3858301.52	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.97E-07	1.74E-07	3.01E-03	9.52E-07	2.77E-07
2528	497564.44, 3858301.52	1.73E-03	5.47E-07	1.59E-07	1.87E-03	5.91E-07	1.72E-07	2.98E-03	9.41E-07	2.74E-07
2529	497614.44, 3858301.52	1.73E-03	5.45E-07	1.59E-07	1.86E-03	5.89E-07	1.71E-07	2.97E-03	9.37E-07	2.73E-07
2530	497364.44, 3858351.52	1.78E-03	5.62E-07	1.64E-07	1.92E-03	6.07E-07	1.77E-07	3.06E-03	9.67E-07	2.81E-07
2531	497414.44, 3858351.52	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.04E-03	9.60E-07	2.79E-07
2532	497464.44, 3858351.52	1.76E-03	5.57E-07	1.62E-07	1.90E-03	6.01E-07	1.75E-07	3.03E-03	9.57E-07	2.78E-07
2533	497514.44, 3858351.52	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	3.02E-03	9.52E-07	2.77E-07
2534	497564.44, 3858351.52	1.73E-03	5.46E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.97E-03	9.38E-07	2.73E-07
2535	497614.44, 3858351.52	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.87E-07	1.71E-07	2.96E-03	9.35E-07	2.72E-07
2536	497364.44, 3858401.52	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	3.03E-03	9.56E-07	2.78E-07
2537	497414.44, 3858401.52	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	3.03E-03	9.56E-07	2.78E-07
2538	497464.44, 3858401.52	1.75E-03	5.52E-07	1.60E-07	1.89E-03	5.96E-07	1.73E-07	3.01E-03	9.49E-07	2.76E-07
2539	497514.44, 3858401.52	1.74E-03	5.49E-07	1.60E-07	1.88E-03	5.93E-07	1.73E-07	2.99E-03	9.45E-07	2.75E-07
2540	497564.44, 3858401.52	1.76E-03	5.55E-07	1.61E-07	1.90E-03	5.99E-07	1.74E-07	3.02E-03	9.54E-07	2.77E-07
2541	497614.44, 3858401.52	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.03E-07	1.76E-07	3.05E-03	9.61E-07	2.80E-07
2542	493478.11, 3860497.94	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
2543	493528.11, 3860497.94	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.23E-03	1.34E-06	3.89E-07
2544	493478.11, 3860547.94	2.42E-03	7.64E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
2545	493528.11, 3860547.94	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.22E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
2546	493478.11, 3860597.94	2.37E-03	7.48E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.28E-06	3.73E-07
2547	493528.11, 3860597.94	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.05E-07	2.34E-07	4.06E-03	1.28E-06	3.72E-07
2548	493561.88, 3860524.64	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
2549	493591.88, 3860524.64	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
2550	493561.88, 3860554.64	2.40E-03	7.58E-07	2.21E-07	2.59E-03	8.19E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
2551	493591.88, 3860554.64	2.40E-03	7.58E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.12E-03	1.30E-06	3.79E-07
2552	492880.5, 3860293.11	2.77E-03	8.74E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2553	492930.5, 3860293.11	2.77E-03	8.73E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.74E-03	1.50E-06	4.36E-07
2554	492980.5, 3860293.11	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.74E-03	1.50E-06	4.35E-07
2555	493030.5, 3860293.11	2.77E-03	8.73E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2556	493080.5, 3860293.11	2.76E-03	8.73E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2557	493130.5, 3860293.11	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.38E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2558	493180.5, 3860293.11	2.74E-03	8.65E-07	2.52E-07	2.96E-03	9.34E-07	2.72E-07	4.71E-03	1.49E-06	4.32E-07

2559	493230.5, 3860293.11	2.73E-03	8.63E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.69E-03	1.48E-06	4.31E-07
2560	493280.5, 3860293.11	2.73E-03	8.61E-07	2.50E-07	2.95E-03	9.30E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
2561	493330.5, 3860293.11	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.68E-03	1.48E-06	4.29E-07
2562	493380.5, 3860293.11	2.71E-03	8.57E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.66E-03	1.47E-06	4.28E-07
2563	492880.5, 3860343.11	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.63E-03	1.46E-06	4.25E-07
2564	492930.5, 3860343.11	2.70E-03	8.52E-07	2.48E-07	2.91E-03	9.20E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2565	492980.5, 3860343.11	2.71E-03	8.55E-07	2.49E-07	2.92E-03	9.23E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2566	493030.5, 3860343.11	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.64E-03	1.46E-06	4.26E-07
2567	493080.5, 3860343.11	2.70E-03	8.54E-07	2.48E-07	2.92E-03	9.22E-07	2.68E-07	4.64E-03	1.47E-06	4.26E-07
2568	493130.5, 3860343.11	2.70E-03	8.51E-07	2.47E-07	2.91E-03	9.19E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2569	493180.5, 3860343.11	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.61E-03	1.45E-06	4.23E-07
2570	493230.5, 3860343.11	2.68E-03	8.44E-07	2.46E-07	2.89E-03	9.12E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2571	493280.5, 3860343.11	2.67E-03	8.43E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.59E-03	1.45E-06	4.21E-07
2572	493330.5, 3860343.11	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
2573	493380.5, 3860343.11	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.64E-07	4.57E-03	1.44E-06	4.19E-07
2574	492880.5, 3860393.11	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2575	492930.5, 3860393.11	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2576	492980.5, 3860393.11	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.53E-03	1.43E-06	4.16E-07
2577	493030.5, 3860393.11	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.53E-03	1.43E-06	4.16E-07
2578	493080.5, 3860393.11	2.64E-03	8.35E-07	2.43E-07	2.86E-03	9.01E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
2579	493130.5, 3860393.11	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2580	493180.5, 3860393.11	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.50E-03	1.42E-06	4.13E-07
2581	493230.5, 3860393.11	2.62E-03	8.26E-07	2.40E-07	2.83E-03	8.92E-07	2.59E-07	4.49E-03	1.42E-06	4.13E-07
2582	493280.5, 3860393.11	2.62E-03	8.26E-07	2.40E-07	2.82E-03	8.92E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2583	493330.5, 3860393.11	2.61E-03	8.25E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2584	493380.5, 3860393.11	2.61E-03	8.23E-07	2.39E-07	2.81E-03	8.88E-07	2.58E-07	4.48E-03	1.41E-06	4.11E-07
2585	492880.5, 3860443.11	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.41E-03	1.39E-06	4.05E-07
2586	492930.5, 3860443.11	2.57E-03	8.11E-07	2.36E-07	2.78E-03	8.76E-07	2.55E-07	4.41E-03	1.39E-06	4.05E-07
2587	492980.5, 3860443.11	2.57E-03	8.13E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.42E-03	1.39E-06	4.05E-07
2588	493030.5, 3860443.11	2.58E-03	8.13E-07	2.37E-07	2.78E-03	8.78E-07	2.55E-07	4.42E-03	1.40E-06	4.06E-07
2589	493080.5, 3860443.11	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.42E-03	1.39E-06	4.05E-07
2590	493130.5, 3860443.11	2.57E-03	8.11E-07	2.36E-07	2.78E-03	8.76E-07	2.55E-07	4.41E-03	1.39E-06	4.05E-07
2591	493180.5, 3860443.11	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.39E-03	1.39E-06	4.03E-07
2592	493230.5, 3860443.11	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2593	493280.5, 3860443.11	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.39E-03	1.39E-06	4.03E-07
2594	493330.5, 3860443.11	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.39E-03	1.39E-06	4.03E-07
2595	493380.5, 3860443.11	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
2596	493180.5, 3860493.11	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2597	493230.5, 3860493.11	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2598	493280.5, 3860493.11	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2599	493330.5, 3860493.11	2.50E-03	7.89E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.29E-03	1.36E-06	3.94E-07
2600	493380.5, 3860493.11	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2601	493330.5, 3860543.11	2.45E-03	7.72E-07	2.25E-07	2.64E-03	8.34E-07	2.42E-07	4.20E-03	1.33E-06	3.86E-07
2602	493380.5, 3860543.11	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
2603	494135.94, 3860876.85	2.06E-03	6.50E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
2604	494185.94, 3860876.85	2.05E-03	6.48E-07	1.89E-07	2.22E-03	7.00E-07	2.04E-07	3.53E-03	1.11E-06	3.24E-07
2605	494135.94, 3860926.85	2.02E-03	6.36E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
2606	494185.94, 3860926.85	2.01E-03	6.35E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
2607	494135.94, 3860976.85	1.98E-03	6.23E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.39E-03	1.07E-06	3.12E-07
2608	494185.94, 3860976.85	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.72E-07	1.96E-07	3.39E-03	1.07E-06	3.11E-07
2609	494135.94, 3861026.85	1.93E-03	6.10E-07	1.78E-07	2.09E-03	6.59E-07	1.92E-07	3.32E-03	1.05E-06	3.05E-07
2610	494185.94, 3861026.85	1.93E-03	6.10E-07	1.77E-07	2.09E-03	6.59E-07	1.92E-07	3.32E-03	1.05E-06	3.05E-07
2611	494135.94, 3861076.85	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.25E-03	1.03E-06	2.99E-07
2612	494185.94, 3861076.85	1.89E-03	5.97E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.25E-03	1.03E-06	2.98E-07
2613	490360.04, 3858710.04	9.35E-03	2.95E-06	8.58E-07	1.01E-02	3.18E-06	9.25E-07	1.59E-02	5.01E-06	1.46E-06
2614	490410.04, 3858710.04	9.22E-03	2.91E-06	8.47E-07	9.94E-03	3.14E-06	9.13E-07	1.57E-02	4.94E-06	1.44E-06
2615	490460.04, 3858710.04	9.08E-03	2.87E-06	8.34E-07	9.80E-03	3.09E-06	8.99E-07	1.54E-02	4.88E-06	1.42E-06
2616	490510.04, 3858710.04	8.96E-03	2.83E-06	8.22E-07	9.66E-03	3.05E-06	8.87E-07	1.52E-02	4.81E-06	1.40E-06
2617	490560.04, 3858710.04	8.83E-03	2.79E-06	8.11E-07	9.53E-03	3.01E-06	8.75E-07	1.50E-02	4.75E-06	1.38E-06
2618	490610.04, 3858710.04	8.71E-03	2.75E-06	8.00E-07	9.39E-03	2.97E-06	8.62E-07	1.48E-02	4.69E-06	1.36E-06
2619	490660.04, 3858710.04	8.60E-03	2.71E-06	7.89E-07	9.28E-03	2.93E-06	8.52E-07	1.47E-02	4.63E-06	1.35E-06

2620	490710.04, 3858710.04	8.45E-03	2.67E-06	7.75E-07	9.11E-03	2.88E-06	8.37E-07	1.44E-02	4.55E-06	1.32E-06
2621	490760.04, 3858710.04	8.32E-03	2.63E-06	7.64E-07	8.98E-03	2.83E-06	8.24E-07	1.42E-02	4.49E-06	1.30E-06
2622	490810.04, 3858710.04	8.20E-03	2.59E-06	7.53E-07	8.85E-03	2.79E-06	8.12E-07	1.40E-02	4.42E-06	1.29E-06
2623	490860.04, 3858710.04	8.07E-03	2.55E-06	7.41E-07	8.71E-03	2.75E-06	8.00E-07	1.38E-02	4.36E-06	1.27E-06
2624	490360.04, 3858760.04	9.02E-03	2.85E-06	8.28E-07	9.72E-03	3.07E-06	8.92E-07	1.53E-02	4.82E-06	1.40E-06
2625	490410.04, 3858760.04	8.90E-03	2.81E-06	8.17E-07	9.59E-03	3.03E-06	8.81E-07	1.51E-02	4.77E-06	1.39E-06
2626	490460.04, 3858760.04	8.77E-03	2.77E-06	8.06E-07	9.46E-03	2.99E-06	8.69E-07	1.49E-02	4.70E-06	1.37E-06
2627	490510.04, 3858760.04	8.65E-03	2.73E-06	7.94E-07	9.33E-03	2.94E-06	8.56E-07	1.47E-02	4.64E-06	1.35E-06
2628	490560.04, 3858760.04	8.53E-03	2.69E-06	7.83E-07	9.20E-03	2.90E-06	8.45E-07	1.45E-02	4.58E-06	1.33E-06
2629	490610.04, 3858760.04	8.41E-03	2.66E-06	7.72E-07	9.07E-03	2.86E-06	8.33E-07	1.43E-02	4.53E-06	1.32E-06
2630	490660.04, 3858760.04	8.27E-03	2.61E-06	7.59E-07	8.92E-03	2.81E-06	8.19E-07	1.41E-02	4.45E-06	1.29E-06
2631	490710.04, 3858760.04	8.15E-03	2.57E-06	7.48E-07	8.79E-03	2.78E-06	8.07E-07	1.39E-02	4.39E-06	1.28E-06
2632	490760.04, 3858760.04	8.03E-03	2.53E-06	7.37E-07	8.66E-03	2.73E-06	7.95E-07	1.37E-02	4.33E-06	1.26E-06
2633	490810.04, 3858760.04	7.91E-03	2.50E-06	7.26E-07	8.53E-03	2.69E-06	7.83E-07	1.35E-02	4.27E-06	1.24E-06
2634	490860.04, 3858760.04	7.80E-03	2.46E-06	7.16E-07	8.41E-03	2.66E-06	7.72E-07	1.33E-02	4.21E-06	1.22E-06
2635	490360.04, 3858810.04	8.68E-03	2.74E-06	7.97E-07	9.36E-03	2.95E-06	8.59E-07	1.47E-02	4.64E-06	1.35E-06
2636	490410.04, 3858810.04	8.57E-03	2.70E-06	7.87E-07	9.24E-03	2.92E-06	8.48E-07	1.45E-02	4.59E-06	1.33E-06
2637	490460.04, 3858810.04	8.45E-03	2.67E-06	7.76E-07	9.12E-03	2.88E-06	8.37E-07	1.44E-02	4.53E-06	1.32E-06
2638	490510.04, 3858810.04	8.35E-03	2.63E-06	7.66E-07	9.00E-03	2.84E-06	8.26E-07	1.42E-02	4.48E-06	1.30E-06
2639	490560.04, 3858810.04	8.24E-03	2.60E-06	7.56E-07	8.88E-03	2.80E-06	8.15E-07	1.40E-02	4.42E-06	1.29E-06
2640	490610.04, 3858810.04	8.12E-03	2.56E-06	7.46E-07	8.76E-03	2.76E-06	8.04E-07	1.38E-02	4.37E-06	1.27E-06
2641	490660.04, 3858810.04	7.98E-03	2.52E-06	7.32E-07	8.60E-03	2.72E-06	7.90E-07	1.36E-02	4.29E-06	1.25E-06
2642	490710.04, 3858810.04	7.86E-03	2.48E-06	7.21E-07	8.48E-03	2.68E-06	7.78E-07	1.34E-02	4.23E-06	1.23E-06
2643	490760.04, 3858810.04	7.73E-03	2.44E-06	7.10E-07	8.34E-03	2.63E-06	7.66E-07	1.32E-02	4.17E-06	1.21E-06
2644	490810.04, 3858810.04	7.64E-03	2.41E-06	7.01E-07	8.24E-03	2.60E-06	7.56E-07	1.30E-02	4.12E-06	1.20E-06
2645	490860.04, 3858810.04	7.52E-03	2.37E-06	6.90E-07	8.11E-03	2.56E-06	7.45E-07	1.29E-02	4.06E-06	1.18E-06
2646	490360.04, 3858860.04	8.34E-03	2.63E-06	7.66E-07	8.99E-03	2.84E-06	8.25E-07	1.41E-02	4.46E-06	1.30E-06
2647	490410.04, 3858860.04	8.25E-03	2.60E-06	7.57E-07	8.89E-03	2.81E-06	8.16E-07	1.40E-02	4.41E-06	1.28E-06
2648	490460.04, 3858860.04	8.14E-03	2.57E-06	7.47E-07	8.77E-03	2.77E-06	8.05E-07	1.38E-02	4.36E-06	1.27E-06
2649	490510.04, 3858860.04	8.04E-03	2.54E-06	7.38E-07	8.67E-03	2.74E-06	7.96E-07	1.37E-02	4.31E-06	1.25E-06
2650	490560.04, 3858860.04	7.94E-03	2.51E-06	7.29E-07	8.56E-03	2.70E-06	7.86E-07	1.35E-02	4.26E-06	1.24E-06
2651	490610.04, 3858860.04	7.79E-03	2.46E-06	7.15E-07	8.40E-03	2.65E-06	7.71E-07	1.33E-02	4.18E-06	1.22E-06
2652	490660.04, 3858860.04	7.68E-03	2.42E-06	7.05E-07	8.29E-03	2.62E-06	7.61E-07	1.31E-02	4.13E-06	1.20E-06
2653	490710.04, 3858860.04	7.59E-03	2.39E-06	6.97E-07	8.19E-03	2.58E-06	7.51E-07	1.29E-02	4.08E-06	1.19E-06
2654	490760.04, 3858860.04	7.47E-03	2.36E-06	6.86E-07	8.06E-03	2.54E-06	7.40E-07	1.27E-02	4.02E-06	1.17E-06
2655	490810.04, 3858860.04	7.35E-03	2.32E-06	6.75E-07	7.93E-03	2.50E-06	7.28E-07	1.26E-02	3.96E-06	1.15E-06
2656	490860.04, 3858860.04	7.23E-03	2.28E-06	6.64E-07	7.80E-03	2.46E-06	7.16E-07	1.24E-02	3.90E-06	1.14E-06
2657	490360.04, 3858910.04	8.02E-03	2.53E-06	7.36E-07	8.64E-03	2.73E-06	7.93E-07	1.36E-02	4.28E-06	1.25E-06
2658	490410.04, 3858910.04	7.93E-03	2.50E-06	7.28E-07	8.55E-03	2.70E-06	7.85E-07	1.34E-02	4.24E-06	1.23E-06
2659	490460.04, 3858910.04	7.83E-03	2.47E-06	7.19E-07	8.45E-03	2.67E-06	7.75E-07	1.33E-02	4.20E-06	1.22E-06
2660	490510.04, 3858910.04	7.74E-03	2.44E-06	7.10E-07	8.34E-03	2.63E-06	7.66E-07	1.31E-02	4.15E-06	1.21E-06
2661	490560.04, 3858910.04	7.64E-03	2.41E-06	7.01E-07	8.24E-03	2.60E-06	7.56E-07	1.30E-02	4.10E-06	1.19E-06
2662	490610.04, 3858910.04	7.50E-03	2.37E-06	6.88E-07	8.09E-03	2.55E-06	7.42E-07	1.28E-02	4.03E-06	1.17E-06
2663	490660.04, 3858910.04	7.40E-03	2.33E-06	6.79E-07	7.98E-03	2.52E-06	7.33E-07	1.26E-02	3.98E-06	1.16E-06
2664	490710.04, 3858910.04	7.29E-03	2.30E-06	6.69E-07	7.86E-03	2.48E-06	7.22E-07	1.24E-02	3.92E-06	1.14E-06
2665	490760.04, 3858910.04	7.17E-03	2.26E-06	6.58E-07	7.74E-03	2.44E-06	7.10E-07	1.22E-02	3.86E-06	1.12E-06
2666	490810.04, 3858910.04	7.07E-03	2.23E-06	6.49E-07	7.63E-03	2.41E-06	7.00E-07	1.21E-02	3.81E-06	1.11E-06
2667	490860.04, 3858910.04	6.95E-03	2.19E-06	6.38E-07	7.50E-03	2.37E-06	6.88E-07	1.19E-02	3.75E-06	1.09E-06
2668	490360.04, 3858960.04	7.70E-03	2.43E-06	7.06E-07	8.29E-03	2.62E-06	7.61E-07	1.30E-02	4.11E-06	1.20E-06
2669	490410.04, 3858960.04	7.61E-03	2.40E-06	6.99E-07	8.20E-03	2.59E-06	7.53E-07	1.29E-02	4.07E-06	1.18E-06
2670	490460.04, 3858960.04	7.52E-03	2.37E-06	6.90E-07	8.11E-03	2.56E-06	7.44E-07	1.28E-02	4.03E-06	1.17E-06
2671	490510.04, 3858960.04	7.43E-03	2.35E-06	6.82E-07	8.01E-03	2.53E-06	7.36E-07	1.26E-02	3.99E-06	1.16E-06
2672	490560.04, 3858960.04	7.31E-03	2.31E-06	6.71E-07	7.88E-03	2.49E-06	7.23E-07	1.24E-02	3.92E-06	1.14E-06
2673	490610.04, 3858960.04	7.20E-03	2.27E-06	6.61E-07	7.76E-03	2.45E-06	7.13E-07	1.23E-02	3.87E-06	1.12E-06
2674	490660.04, 3858960.04	7.12E-03	2.25E-06	6.53E-07	7.68E-03	2.42E-06	7.05E-07	1.21E-02	3.83E-06	1.11E-06
2675	490710.04, 3858960.04	7.01E-03	2.21E-06	6.43E-07	7.56E-03	2.39E-06	6.94E-07	1.20E-02	3.77E-06	1.10E-06
2676	490760.04, 3858960.04	6.90E-03	2.18E-06	6.33E-07	7.44E-03	2.35E-06	6.83E-07	1.18E-02	3.72E-06	1.08E-06
2677	490810.04, 3858960.04	6.79E-03	2.14E-06	6.23E-07	7.33E-03	2.31E-06	6.73E-07	1.16E-02	3.66E-06	1.07E-06
2678	490860.04, 3858960.04	6.66E-03	2.10E-06	6.12E-07	7.19E-03	2.27E-06	6.60E-07	1.14E-02	3.60E-06	1.05E-06
2679	490360.04, 3859010.04	7.38E-03	2.33E-06	6.78E-07	7.96E-03	2.51E-06	7.30E-07	1.25E-02	3.94E-06	1.15E-06
2680	490410.04, 3859010.04	7.30E-03	2.30E-06	6.70E-07	7.87E-03	2.48E-06	7.22E-07	1.24E-02	3.91E-06	1.14E-06

2681	490460.04, 3859010.04	7.21E-03	2.28E-06	6.62E-07	7.78E-03	2.45E-06	7.14E-07	1.22E-02	3.87E-06	1.12E-06
2682	490510.04, 3859010.04	7.08E-03	2.23E-06	6.50E-07	7.64E-03	2.41E-06	7.01E-07	1.20E-02	3.80E-06	1.10E-06
2683	490560.04, 3859010.04	7.00E-03	2.21E-06	6.43E-07	7.55E-03	2.38E-06	6.93E-07	1.19E-02	3.76E-06	1.09E-06
2684	490610.04, 3859010.04	6.90E-03	2.18E-06	6.34E-07	7.44E-03	2.35E-06	6.83E-07	1.18E-02	3.71E-06	1.08E-06
2685	490660.04, 3859010.04	6.83E-03	2.16E-06	6.27E-07	7.37E-03	2.33E-06	6.77E-07	1.16E-02	3.67E-06	1.07E-06
2686	490710.04, 3859010.04	6.72E-03	2.12E-06	6.17E-07	7.25E-03	2.29E-06	6.66E-07	1.15E-02	3.62E-06	1.05E-06
2687	490760.04, 3859010.04	6.62E-03	2.09E-06	6.07E-07	7.14E-03	2.25E-06	6.55E-07	1.13E-02	3.57E-06	1.04E-06
2688	490810.04, 3859010.04	6.50E-03	2.05E-06	5.97E-07	7.02E-03	2.22E-06	6.44E-07	1.11E-02	3.51E-06	1.02E-06
2689	490860.04, 3859010.04	6.40E-03	2.02E-06	5.87E-07	6.90E-03	2.18E-06	6.34E-07	1.10E-02	3.46E-06	1.01E-06
2690	490360.04, 3859060.04	7.07E-03	2.23E-06	6.49E-07	7.62E-03	2.41E-06	7.00E-07	1.20E-02	3.78E-06	1.10E-06
2691	490410.04, 3859060.04	6.99E-03	2.21E-06	6.42E-07	7.54E-03	2.38E-06	6.92E-07	1.19E-02	3.74E-06	1.09E-06
2692	490460.04, 3859060.04	6.91E-03	2.18E-06	6.35E-07	7.45E-03	2.35E-06	6.84E-07	1.17E-02	3.71E-06	1.08E-06
2693	490510.04, 3859060.04	6.79E-03	2.14E-06	6.24E-07	7.32E-03	2.31E-06	6.72E-07	1.15E-02	3.64E-06	1.06E-06
2694	490560.04, 3859060.04	6.69E-03	2.11E-06	6.15E-07	7.22E-03	2.28E-06	6.63E-07	1.14E-02	3.60E-06	1.05E-06
2695	490610.04, 3859060.04	6.62E-03	2.09E-06	6.08E-07	7.14E-03	2.25E-06	6.55E-07	1.13E-02	3.56E-06	1.03E-06
2696	490660.04, 3859060.04	6.54E-03	2.06E-06	6.01E-07	7.06E-03	2.23E-06	6.48E-07	1.12E-02	3.52E-06	1.02E-06
2697	490710.04, 3859060.04	6.43E-03	2.03E-06	5.91E-07	6.94E-03	2.19E-06	6.37E-07	1.10E-02	3.47E-06	1.01E-06
2698	490760.04, 3859060.04	6.33E-03	2.00E-06	5.81E-07	6.83E-03	2.16E-06	6.27E-07	1.08E-02	3.41E-06	9.93E-07
2699	490810.04, 3859060.04	6.22E-03	1.96E-06	5.71E-07	6.71E-03	2.12E-06	6.16E-07	1.06E-02	3.36E-06	9.77E-07
2700	490860.04, 3859060.04	6.11E-03	1.93E-06	5.61E-07	6.60E-03	2.08E-06	6.06E-07	1.05E-02	3.30E-06	9.61E-07
2701	490360.04, 3859110.04	6.78E-03	2.14E-06	6.23E-07	7.31E-03	2.31E-06	6.71E-07	1.15E-02	3.63E-06	1.05E-06
2702	490410.04, 3859110.04	6.71E-03	2.12E-06	6.16E-07	7.23E-03	2.28E-06	6.64E-07	1.14E-02	3.59E-06	1.05E-06
2703	490460.04, 3859110.04	6.64E-03	2.10E-06	6.10E-07	7.16E-03	2.26E-06	6.58E-07	1.13E-02	3.56E-06	1.04E-06
2704	490510.04, 3859110.04	6.50E-03	2.05E-06	5.97E-07	7.01E-03	2.21E-06	6.43E-07	1.11E-02	3.49E-06	1.01E-06
2705	490560.04, 3859110.04	6.42E-03	2.02E-06	5.89E-07	6.92E-03	2.18E-06	6.35E-07	1.09E-02	3.45E-06	1.00E-06
2706	490610.04, 3859110.04	6.32E-03	2.00E-06	5.80E-07	6.82E-03	2.15E-06	6.26E-07	1.08E-02	3.40E-06	9.89E-07
2707	490660.04, 3859110.04	6.22E-03	1.96E-06	5.71E-07	6.71E-03	2.12E-06	6.16E-07	1.06E-02	3.35E-06	9.74E-07
2708	490710.04, 3859110.04	6.14E-03	1.94E-06	5.64E-07	6.62E-03	2.09E-06	6.08E-07	1.05E-02	3.31E-06	9.63E-07
2709	490760.04, 3859110.04	6.04E-03	1.91E-06	5.55E-07	6.52E-03	2.06E-06	5.99E-07	1.03E-02	3.26E-06	9.49E-07
2710	490810.04, 3859110.04	5.93E-03	1.87E-06	5.44E-07	6.40E-03	2.02E-06	5.87E-07	1.02E-02	3.20E-06	9.32E-07
2711	490860.04, 3859110.04	5.81E-03	1.83E-06	5.34E-07	6.27E-03	1.98E-06	5.76E-07	9.96E-03	3.14E-06	9.14E-07
2712	490360.04, 3859160.04	6.51E-03	2.05E-06	5.97E-07	7.01E-03	2.21E-06	6.44E-07	1.10E-02	3.48E-06	1.01E-06
2713	490410.04, 3859160.04	6.44E-03	2.03E-06	5.91E-07	6.95E-03	2.19E-06	6.38E-07	1.09E-02	3.45E-06	1.00E-06
2714	490460.04, 3859160.04	6.38E-03	2.01E-06	5.85E-07	6.88E-03	2.17E-06	6.31E-07	1.08E-02	3.42E-06	9.96E-07
2715	490510.04, 3859160.04	6.26E-03	1.98E-06	5.75E-07	6.76E-03	2.13E-06	6.20E-07	1.07E-02	3.36E-06	9.78E-07
2716	490560.04, 3859160.04	6.16E-03	1.95E-06	5.66E-07	6.65E-03	2.10E-06	6.10E-07	1.05E-02	3.31E-06	9.64E-07
2717	490610.04, 3859160.04	6.09E-03	1.92E-06	5.59E-07	6.57E-03	2.07E-06	6.03E-07	1.04E-02	3.28E-06	9.53E-07
2718	490660.04, 3859160.04	5.94E-03	1.87E-06	5.45E-07	6.41E-03	2.02E-06	5.88E-07	1.01E-02	3.20E-06	9.31E-07
2719	490710.04, 3859160.04	5.86E-03	1.85E-06	5.38E-07	6.32E-03	2.00E-06	5.80E-07	1.00E-02	3.16E-06	9.20E-07
2720	490760.04, 3859160.04	5.73E-03	1.81E-06	5.26E-07	6.18E-03	1.95E-06	5.67E-07	9.81E-03	3.09E-06	9.00E-07
2721	490810.04, 3859160.04	5.64E-03	1.78E-06	5.18E-07	6.09E-03	1.92E-06	5.59E-07	9.67E-03	3.05E-06	8.87E-07
2722	490860.04, 3859160.04	5.55E-03	1.75E-06	5.09E-07	5.99E-03	1.89E-06	5.50E-07	9.51E-03	3.00E-06	8.73E-07
2723	490360.04, 3859210.04	6.24E-03	1.97E-06	5.73E-07	6.73E-03	2.12E-06	6.17E-07	1.06E-02	3.34E-06	9.71E-07
2724	490410.04, 3859210.04	6.20E-03	1.96E-06	5.69E-07	6.68E-03	2.11E-06	6.13E-07	1.05E-02	3.32E-06	9.65E-07
2725	490460.04, 3859210.04	6.12E-03	1.93E-06	5.62E-07	6.61E-03	2.08E-06	6.06E-07	1.04E-02	3.29E-06	9.57E-07
2726	490510.04, 3859210.04	6.02E-03	1.90E-06	5.52E-07	6.49E-03	2.05E-06	5.96E-07	1.02E-02	3.23E-06	9.40E-07
2727	490560.04, 3859210.04	5.95E-03	1.88E-06	5.46E-07	6.42E-03	2.03E-06	5.89E-07	1.01E-02	3.20E-06	9.31E-07
2728	490610.04, 3859210.04	5.87E-03	1.85E-06	5.39E-07	6.33E-03	2.00E-06	5.81E-07	1.00E-02	3.16E-06	9.18E-07
2729	490660.04, 3859210.04	5.74E-03	1.81E-06	5.27E-07	6.19E-03	1.96E-06	5.69E-07	9.81E-03	3.10E-06	9.00E-07
2730	490710.04, 3859210.04	5.65E-03	1.78E-06	5.19E-07	6.10E-03	1.93E-06	5.60E-07	9.67E-03	3.05E-06	8.88E-07
2731	490760.04, 3859210.04	5.52E-03	1.74E-06	5.07E-07	5.96E-03	1.88E-06	5.47E-07	9.45E-03	2.98E-06	8.68E-07
2732	490810.04, 3859210.04	5.48E-03	1.73E-06	5.03E-07	5.92E-03	1.87E-06	5.43E-07	9.39E-03	2.96E-06	8.62E-07
2733	490860.04, 3859210.04	5.44E-03	1.72E-06	4.99E-07	5.87E-03	1.85E-06	5.39E-07	9.32E-03	2.94E-06	8.56E-07
2734	490360.04, 3859260.04	5.98E-03	1.89E-06	5.49E-07	6.45E-03	2.03E-06	5.92E-07	1.01E-02	3.20E-06	9.31E-07
2735	490410.04, 3859260.04	5.94E-03	1.87E-06	5.45E-07	6.40E-03	2.02E-06	5.88E-07	1.01E-02	3.18E-06	9.26E-07
2736	490460.04, 3859260.04	5.90E-03	1.86E-06	5.42E-07	6.36E-03	2.01E-06	5.84E-07	1.00E-02	3.17E-06	9.21E-07
2737	490510.04, 3859260.04	5.86E-03	1.85E-06	5.38E-07	6.32E-03	1.99E-06	5.80E-07	9.97E-03	3.15E-06	9.16E-07
2738	490560.04, 3859260.04	5.77E-03	1.82E-06	5.30E-07	6.22E-03	1.96E-06	5.71E-07	9.82E-03	3.10E-06	9.01E-07
2739	490610.04, 3859260.04	5.67E-03	1.79E-06	5.21E-07	6.12E-03	1.93E-06	5.62E-07	9.67E-03	3.05E-06	8.88E-07
2740	490660.04, 3859260.04	5.63E-03	1.78E-06	5.17E-07	6.08E-03	1.92E-06	5.58E-07	9.61E-03	3.03E-06	8.82E-07
2741	490710.04, 3859260.04	5.57E-03	1.76E-06	5.11E-07	6.01E-03	1.90E-06	5.52E-07	9.51E-03	3.00E-06	8.73E-07

2742	490760.04, 3859260.04	5.45E-03	1.72E-06	5.01E-07	5.89E-03	1.86E-06	5.40E-07	9.33E-03	2.94E-06	8.56E-07
2743	490810.04, 3859260.04	5.41E-03	1.71E-06	4.96E-07	5.83E-03	1.84E-06	5.36E-07	9.25E-03	2.92E-06	8.49E-07
2744	490860.04, 3859260.04	5.36E-03	1.69E-06	4.92E-07	5.78E-03	1.82E-06	5.31E-07	9.17E-03	2.89E-06	8.42E-07
2745	490360.04, 3859310.04	5.74E-03	1.81E-06	5.27E-07	6.18E-03	1.95E-06	5.68E-07	9.73E-03	3.07E-06	8.93E-07
2746	490410.04, 3859310.04	5.71E-03	1.80E-06	5.24E-07	6.15E-03	1.94E-06	5.65E-07	9.69E-03	3.06E-06	8.90E-07
2747	490460.04, 3859310.04	5.68E-03	1.79E-06	5.21E-07	6.12E-03	1.93E-06	5.62E-07	9.65E-03	3.05E-06	8.86E-07
2748	490510.04, 3859310.04	5.64E-03	1.78E-06	5.18E-07	6.09E-03	1.92E-06	5.59E-07	9.60E-03	3.03E-06	8.82E-07
2749	490560.04, 3859310.04	5.61E-03	1.77E-06	5.15E-07	6.05E-03	1.91E-06	5.55E-07	9.55E-03	3.02E-06	8.77E-07
2750	490610.04, 3859310.04	5.58E-03	1.76E-06	5.12E-07	6.02E-03	1.90E-06	5.52E-07	9.50E-03	3.00E-06	8.73E-07
2751	490660.04, 3859310.04	5.50E-03	1.74E-06	5.05E-07	5.93E-03	1.87E-06	5.45E-07	9.37E-03	2.96E-06	8.60E-07
2752	490710.04, 3859310.04	5.41E-03	1.71E-06	4.97E-07	5.84E-03	1.84E-06	5.36E-07	9.24E-03	2.92E-06	8.48E-07
2753	490760.04, 3859310.04	5.35E-03	1.69E-06	4.91E-07	5.77E-03	1.82E-06	5.30E-07	9.14E-03	2.88E-06	8.39E-07
2754	490810.04, 3859310.04	5.30E-03	1.67E-06	4.87E-07	5.72E-03	1.81E-06	5.25E-07	9.07E-03	2.86E-06	8.32E-07
2755	490860.04, 3859310.04	5.24E-03	1.65E-06	4.81E-07	5.66E-03	1.78E-06	5.19E-07	8.96E-03	2.83E-06	8.23E-07
2756	490360.04, 3859360.04	5.50E-03	1.74E-06	5.05E-07	5.93E-03	1.87E-06	5.44E-07	9.32E-03	2.94E-06	8.56E-07
2757	490410.04, 3859360.04	5.48E-03	1.73E-06	5.03E-07	5.91E-03	1.87E-06	5.43E-07	9.30E-03	2.94E-06	8.54E-07
2758	490460.04, 3859360.04	5.46E-03	1.72E-06	5.02E-07	5.89E-03	1.86E-06	5.41E-07	9.28E-03	2.93E-06	8.52E-07
2759	490510.04, 3859360.04	5.44E-03	1.72E-06	5.00E-07	5.87E-03	1.85E-06	5.39E-07	9.25E-03	2.92E-06	8.49E-07
2760	490560.04, 3859360.04	5.41E-03	1.71E-06	4.97E-07	5.84E-03	1.84E-06	5.36E-07	9.21E-03	2.91E-06	8.46E-07
2761	490610.04, 3859360.04	5.38E-03	1.70E-06	4.94E-07	5.80E-03	1.83E-06	5.33E-07	9.16E-03	2.89E-06	8.41E-07
2762	490660.04, 3859360.04	5.35E-03	1.69E-06	4.91E-07	5.77E-03	1.82E-06	5.30E-07	9.12E-03	2.88E-06	8.37E-07
2763	490710.04, 3859360.04	5.27E-03	1.66E-06	4.84E-07	5.69E-03	1.79E-06	5.22E-07	8.99E-03	2.84E-06	8.25E-07
2764	490760.04, 3859360.04	5.21E-03	1.64E-06	4.78E-07	5.62E-03	1.77E-06	5.16E-07	8.89E-03	2.81E-06	8.16E-07
2765	490810.04, 3859360.04	5.18E-03	1.64E-06	4.76E-07	5.59E-03	1.76E-06	5.13E-07	8.85E-03	2.79E-06	8.12E-07
2766	490860.04, 3859360.04	5.13E-03	1.62E-06	4.71E-07	5.54E-03	1.75E-06	5.09E-07	8.77E-03	2.77E-06	8.05E-07
2767	490360.04, 3859410.04	5.26E-03	1.66E-06	4.83E-07	5.67E-03	1.79E-06	5.21E-07	8.92E-03	2.81E-06	8.19E-07
2768	490410.04, 3859410.04	5.25E-03	1.66E-06	4.82E-07	5.66E-03	1.79E-06	5.20E-07	8.91E-03	2.81E-06	8.18E-07
2769	490460.04, 3859410.04	5.24E-03	1.66E-06	4.81E-07	5.65E-03	1.78E-06	5.19E-07	8.90E-03	2.81E-06	8.17E-07
2770	490510.04, 3859410.04	5.23E-03	1.65E-06	4.80E-07	5.64E-03	1.78E-06	5.18E-07	8.89E-03	2.81E-06	8.16E-07
2771	490560.04, 3859410.04	5.22E-03	1.65E-06	4.79E-07	5.62E-03	1.78E-06	5.16E-07	8.87E-03	2.80E-06	8.14E-07
2772	490610.04, 3859410.04	5.20E-03	1.64E-06	4.77E-07	5.60E-03	1.77E-06	5.14E-07	8.84E-03	2.79E-06	8.12E-07
2773	490660.04, 3859410.04	5.17E-03	1.63E-06	4.74E-07	5.57E-03	1.76E-06	5.12E-07	8.80E-03	2.78E-06	8.08E-07
2774	490710.04, 3859410.04	5.14E-03	1.62E-06	4.72E-07	5.54E-03	1.75E-06	5.09E-07	8.76E-03	2.77E-06	8.04E-07
2775	490760.04, 3859410.04	5.07E-03	1.60E-06	4.65E-07	5.47E-03	1.73E-06	5.02E-07	8.64E-03	2.73E-06	7.93E-07
2776	490810.04, 3859410.04	5.04E-03	1.59E-06	4.63E-07	5.44E-03	1.72E-06	4.99E-07	8.60E-03	2.71E-06	7.89E-07
2777	490860.04, 3859410.04	5.02E-03	1.58E-06	4.61E-07	5.42E-03	1.71E-06	4.97E-07	8.57E-03	2.70E-06	7.86E-07
2778	490360.04, 3859460.04	5.03E-03	1.59E-06	4.62E-07	5.42E-03	1.71E-06	4.98E-07	8.52E-03	2.69E-06	7.83E-07
2779	490410.04, 3859460.04	5.03E-03	1.59E-06	4.62E-07	5.43E-03	1.71E-06	4.98E-07	8.53E-03	2.69E-06	7.83E-07
2780	490460.04, 3859460.04	5.03E-03	1.59E-06	4.62E-07	5.42E-03	1.71E-06	4.98E-07	8.53E-03	2.69E-06	7.83E-07
2781	490510.04, 3859460.04	5.02E-03	1.59E-06	4.61E-07	5.42E-03	1.71E-06	4.97E-07	8.53E-03	2.69E-06	7.83E-07
2782	490560.04, 3859460.04	5.01E-03	1.58E-06	4.60E-07	5.41E-03	1.71E-06	4.96E-07	8.52E-03	2.69E-06	7.82E-07
2783	490610.04, 3859460.04	5.00E-03	1.58E-06	4.59E-07	5.40E-03	1.70E-06	4.95E-07	8.51E-03	2.69E-06	7.81E-07
2784	490660.04, 3859460.04	4.99E-03	1.57E-06	4.58E-07	5.38E-03	1.70E-06	4.94E-07	8.49E-03	2.68E-06	7.80E-07
2785	490710.04, 3859460.04	4.97E-03	1.57E-06	4.56E-07	5.36E-03	1.69E-06	4.92E-07	8.47E-03	2.67E-06	7.77E-07
2786	490760.04, 3859460.04	4.94E-03	1.56E-06	4.54E-07	5.33E-03	1.68E-06	4.90E-07	8.43E-03	2.66E-06	7.74E-07
2787	490810.04, 3859460.04	4.92E-03	1.55E-06	4.52E-07	5.31E-03	1.67E-06	4.87E-07	8.40E-03	2.65E-06	7.71E-07
2788	490860.04, 3859460.04	4.90E-03	1.55E-06	4.50E-07	5.29E-03	1.67E-06	4.85E-07	8.37E-03	2.64E-06	7.68E-07
2789	490360.04, 3859510.04	4.81E-03	1.52E-06	4.42E-07	5.18E-03	1.64E-06	4.76E-07	8.14E-03	2.57E-06	7.48E-07
2790	490410.04, 3859510.04	4.81E-03	1.52E-06	4.42E-07	5.19E-03	1.64E-06	4.76E-07	8.16E-03	2.57E-06	7.49E-07
2791	490460.04, 3859510.04	4.82E-03	1.52E-06	4.42E-07	5.19E-03	1.64E-06	4.77E-07	8.17E-03	2.58E-06	7.50E-07
2792	490510.04, 3859510.04	4.82E-03	1.52E-06	4.42E-07	5.20E-03	1.64E-06	4.77E-07	8.18E-03	2.58E-06	7.51E-07
2793	490560.04, 3859510.04	4.82E-03	1.52E-06	4.42E-07	5.19E-03	1.64E-06	4.77E-07	8.18E-03	2.58E-06	7.51E-07
2794	490610.04, 3859510.04	4.81E-03	1.52E-06	4.42E-07	5.19E-03	1.64E-06	4.76E-07	8.18E-03	2.58E-06	7.51E-07
2795	490660.04, 3859510.04	4.80E-03	1.52E-06	4.41E-07	5.18E-03	1.64E-06	4.76E-07	8.17E-03	2.58E-06	7.50E-07
2796	490710.04, 3859510.04	4.79E-03	1.51E-06	4.40E-07	5.17E-03	1.63E-06	4.75E-07	8.16E-03	2.58E-06	7.49E-07
2797	490760.04, 3859510.04	4.78E-03	1.51E-06	4.39E-07	5.15E-03	1.63E-06	4.73E-07	8.14E-03	2.57E-06	7.48E-07
2798	490810.04, 3859510.04	4.76E-03	1.50E-06	4.37E-07	5.14E-03	1.62E-06	4.72E-07	8.12E-03	2.56E-06	7.46E-07
2799	490860.04, 3859510.04	4.74E-03	1.50E-06	4.35E-07	5.12E-03	1.62E-06	4.70E-07	8.09E-03	2.55E-06	7.43E-07
2800	490360.04, 3859560.04	4.59E-03	1.45E-06	4.21E-07	4.95E-03	1.56E-06	4.54E-07	7.77E-03	2.45E-06	7.13E-07
2801	490410.04, 3859560.04	4.60E-03	1.45E-06	4.22E-07	4.96E-03	1.57E-06	4.55E-07	7.79E-03	2.46E-06	7.16E-07
2802	490460.04, 3859560.04	4.61E-03	1.46E-06	4.23E-07	4.97E-03	1.57E-06	4.56E-07	7.82E-03	2.47E-06	7.18E-07

2803	490510.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.84E-03	2.47E-06	7.19E-07
2804	490560.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.85E-03	2.48E-06	7.20E-07
2805	490610.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.58E-07	7.85E-03	2.48E-06	7.21E-07
2806	490660.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.86E-03	2.48E-06	7.21E-07
2807	490710.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.86E-03	2.48E-06	7.21E-07
2808	490760.04, 3859560.04	4.61E-03	1.45E-06	4.23E-07	4.97E-03	1.57E-06	4.56E-07	7.85E-03	2.48E-06	7.21E-07
2809	490810.04, 3859560.04	4.60E-03	1.45E-06	4.22E-07	4.96E-03	1.57E-06	4.55E-07	7.84E-03	2.47E-06	7.20E-07
2810	490860.04, 3859560.04	4.58E-03	1.45E-06	4.21E-07	4.94E-03	1.56E-06	4.54E-07	7.82E-03	2.47E-06	7.18E-07
2811	490187.25, 3859422.08	5.20E-03	1.64E-06	4.78E-07	5.61E-03	1.77E-06	5.15E-07	8.79E-03	2.77E-06	8.07E-07
2812	490237.25, 3859422.08	5.21E-03	1.64E-06	4.78E-07	5.61E-03	1.77E-06	5.15E-07	8.80E-03	2.78E-06	8.08E-07
2813	490287.25, 3859422.08	5.21E-03	1.64E-06	4.78E-07	5.61E-03	1.77E-06	5.15E-07	8.81E-03	2.78E-06	8.09E-07
2814	490337.25, 3859422.08	5.21E-03	1.64E-06	4.78E-07	5.61E-03	1.77E-06	5.15E-07	8.82E-03	2.78E-06	8.10E-07
2815	490187.25, 3859472.08	4.96E-03	1.56E-06	4.55E-07	5.34E-03	1.69E-06	4.90E-07	8.37E-03	2.64E-06	7.68E-07
2816	490237.25, 3859472.08	4.96E-03	1.57E-06	4.56E-07	5.35E-03	1.69E-06	4.91E-07	8.39E-03	2.65E-06	7.70E-07
2817	490287.25, 3859472.08	4.98E-03	1.57E-06	4.57E-07	5.36E-03	1.69E-06	4.92E-07	8.42E-03	2.66E-06	7.73E-07
2818	490337.25, 3859472.08	4.98E-03	1.57E-06	4.57E-07	5.37E-03	1.69E-06	4.93E-07	8.43E-03	2.66E-06	7.74E-07
2819	490297.07, 3859500.42	4.85E-03	1.53E-06	4.45E-07	5.22E-03	1.65E-06	4.79E-07	8.20E-03	2.59E-06	7.52E-07
2820	490327.07, 3859500.42	4.85E-03	1.53E-06	4.45E-07	5.22E-03	1.65E-06	4.80E-07	8.20E-03	2.59E-06	7.53E-07
2821	490297.07, 3859530.42	4.70E-03	1.48E-06	4.32E-07	5.07E-03	1.60E-06	4.65E-07	7.96E-03	2.51E-06	7.30E-07
2822	490327.07, 3859530.42	4.71E-03	1.49E-06	4.33E-07	5.08E-03	1.60E-06	4.66E-07	7.97E-03	2.52E-06	7.32E-07
2823	490319.73, 3859055.34	7.16E-03	2.26E-06	6.57E-07	7.72E-03	2.44E-06	7.08E-07	1.21E-02	3.82E-06	1.11E-06
2824	490319.73, 3859105.34	6.86E-03	2.17E-06	6.30E-07	7.39E-03	2.33E-06	6.79E-07	1.16E-02	3.66E-06	1.07E-06
2825	490069.73, 3859155.34	6.77E-03	2.14E-06	6.21E-07	7.29E-03	2.30E-06	6.69E-07	1.14E-02	3.59E-06	1.05E-06
2826	490119.73, 3859155.34	6.73E-03	2.13E-06	6.18E-07	7.25E-03	2.29E-06	6.66E-07	1.13E-02	3.58E-06	1.04E-06
2827	490269.73, 3859155.34	6.62E-03	2.09E-06	6.07E-07	7.13E-03	2.25E-06	6.55E-07	1.12E-02	3.53E-06	1.03E-06
2828	490319.73, 3859155.34	6.57E-03	2.07E-06	6.04E-07	7.09E-03	2.24E-06	6.50E-07	1.11E-02	3.51E-06	1.02E-06
2829	490069.73, 3859205.34	6.44E-03	2.03E-06	5.91E-07	6.94E-03	2.19E-06	6.37E-07	1.08E-02	3.42E-06	9.95E-07
2830	490119.73, 3859205.34	6.41E-03	2.02E-06	5.89E-07	6.91E-03	2.18E-06	6.34E-07	1.08E-02	3.41E-06	9.91E-07
2831	490169.73, 3859205.34	6.39E-03	2.02E-06	5.86E-07	6.88E-03	2.17E-06	6.31E-07	1.08E-02	3.40E-06	9.88E-07
2832	490219.73, 3859205.34	6.36E-03	2.01E-06	5.84E-07	6.85E-03	2.16E-06	6.29E-07	1.07E-02	3.39E-06	9.86E-07
2833	490269.73, 3859205.34	6.33E-03	2.00E-06	5.81E-07	6.82E-03	2.15E-06	6.26E-07	1.07E-02	3.38E-06	9.83E-07
2834	490319.73, 3859205.34	6.30E-03	1.99E-06	5.78E-07	6.79E-03	2.14E-06	6.23E-07	1.07E-02	3.36E-06	9.79E-07
2835	490069.73, 3859255.34	6.14E-03	1.94E-06	5.63E-07	6.61E-03	2.09E-06	6.07E-07	1.03E-02	3.26E-06	9.48E-07
2836	490119.73, 3859255.34	6.11E-03	1.93E-06	5.61E-07	6.59E-03	2.08E-06	6.05E-07	1.03E-02	3.25E-06	9.46E-07
2837	490169.73, 3859255.34	6.09E-03	1.92E-06	5.60E-07	6.57E-03	2.07E-06	6.03E-07	1.03E-02	3.24E-06	9.44E-07
2838	490219.73, 3859255.34	6.08E-03	1.92E-06	5.58E-07	6.55E-03	2.07E-06	6.01E-07	1.03E-02	3.24E-06	9.42E-07
2839	490269.73, 3859255.34	6.06E-03	1.91E-06	5.56E-07	6.53E-03	2.06E-06	5.99E-07	1.02E-02	3.23E-06	9.41E-07
2840	490319.73, 3859255.34	6.03E-03	1.90E-06	5.54E-07	6.50E-03	2.05E-06	5.97E-07	1.02E-02	3.22E-06	9.38E-07
2841	490069.73, 3859305.34	5.84E-03	1.84E-06	5.36E-07	6.29E-03	1.99E-06	5.78E-07	9.84E-03	3.11E-06	9.04E-07
2842	490119.73, 3859305.34	5.83E-03	1.84E-06	5.35E-07	6.28E-03	1.98E-06	5.76E-07	9.82E-03	3.10E-06	9.02E-07
2843	490169.73, 3859305.34	5.82E-03	1.84E-06	5.34E-07	6.27E-03	1.98E-06	5.75E-07	9.81E-03	3.10E-06	9.01E-07
2844	490219.73, 3859305.34	5.81E-03	1.83E-06	5.33E-07	6.26E-03	1.97E-06	5.74E-07	9.81E-03	3.10E-06	9.00E-07
2845	490269.73, 3859305.34	5.79E-03	1.83E-06	5.32E-07	6.24E-03	1.97E-06	5.73E-07	9.80E-03	3.09E-06	8.99E-07
2846	490319.73, 3859305.34	5.78E-03	1.82E-06	5.30E-07	6.23E-03	1.97E-06	5.72E-07	9.78E-03	3.09E-06	8.98E-07
2847	490069.73, 3859355.34	5.56E-03	1.75E-06	5.10E-07	5.99E-03	1.89E-06	5.50E-07	9.36E-03	2.95E-06	8.60E-07
2848	490119.73, 3859355.34	5.55E-03	1.75E-06	5.09E-07	5.98E-03	1.89E-06	5.49E-07	9.36E-03	2.95E-06	8.59E-07
2849	490169.73, 3859355.34	5.55E-03	1.75E-06	5.09E-07	5.97E-03	1.89E-06	5.49E-07	9.36E-03	2.95E-06	8.59E-07
2850	490219.73, 3859355.34	5.54E-03	1.75E-06	5.09E-07	5.97E-03	1.89E-06	5.48E-07	9.37E-03	2.96E-06	8.60E-07
2851	490269.73, 3859355.34	5.54E-03	1.75E-06	5.08E-07	5.97E-03	1.88E-06	5.48E-07	9.36E-03	2.96E-06	8.60E-07
2852	490319.73, 3859355.34	5.53E-03	1.75E-06	5.08E-07	5.96E-03	1.88E-06	5.47E-07	9.36E-03	2.96E-06	8.60E-07
2853	490069.73, 3859405.34	5.28E-03	1.67E-06	4.85E-07	5.69E-03	1.79E-06	5.22E-07	8.90E-03	2.81E-06	8.17E-07
2854	490119.73, 3859405.34	5.28E-03	1.67E-06	4.85E-07	5.69E-03	1.80E-06	5.22E-07	8.91E-03	2.81E-06	8.18E-07
2855	490169.73, 3859405.34	5.29E-03	1.67E-06	4.85E-07	5.70E-03	1.80E-06	5.23E-07	8.92E-03	2.82E-06	8.19E-07
2856	490219.73, 3859405.34	5.29E-03	1.67E-06	4.86E-07	5.70E-03	1.80E-06	5.23E-07	8.94E-03	2.82E-06	8.20E-07
2857	490269.73, 3859405.34	5.29E-03	1.67E-06	4.86E-07	5.70E-03	1.80E-06	5.23E-07	8.95E-03	2.82E-06	8.22E-07
2858	490319.73, 3859405.34	5.29E-03	1.67E-06	4.86E-07	5.70E-03	1.80E-06	5.23E-07	8.96E-03	2.83E-06	8.22E-07
2859	490161.89, 3859541.83	4.61E-03	1.46E-06	4.24E-07	4.97E-03	1.57E-06	4.56E-07	7.79E-03	2.46E-06	7.15E-07
2860	490171.89, 3859541.83	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.80E-03	2.46E-06	7.16E-07
2861	490161.89, 3859551.83	4.57E-03	1.44E-06	4.19E-07	4.92E-03	1.55E-06	4.52E-07	7.72E-03	2.44E-06	7.08E-07
2862	490171.89, 3859551.83	4.57E-03	1.44E-06	4.20E-07	4.93E-03	1.55E-06	4.52E-07	7.72E-03	2.44E-06	7.09E-07
2863	489799.72, 3859348.21	5.58E-03	1.76E-06	5.12E-07	6.00E-03	1.89E-06	5.51E-07	9.36E-03	2.95E-06	8.59E-07

2864	489819.72, 3859348.21	5.58E-03	1.76E-06	5.12E-07	6.01E-03	1.90E-06	5.52E-07	9.36E-03	2.96E-06	8.60E-07
2865	489799.72, 3859368.21	5.45E-03	1.72E-06	5.00E-07	5.87E-03	1.85E-06	5.39E-07	9.15E-03	2.89E-06	8.40E-07
2866	489819.72, 3859368.21	5.46E-03	1.72E-06	5.01E-07	5.87E-03	1.85E-06	5.39E-07	9.16E-03	2.89E-06	8.41E-07
2867	489775.41, 3859329.72	5.69E-03	1.80E-06	5.22E-07	6.12E-03	1.93E-06	5.62E-07	9.53E-03	3.01E-06	8.75E-07
2868	489795.41, 3859329.72	5.69E-03	1.80E-06	5.23E-07	6.13E-03	1.93E-06	5.63E-07	9.54E-03	3.01E-06	8.76E-07
2869	489775.41, 3859349.72	5.56E-03	1.75E-06	5.10E-07	5.98E-03	1.89E-06	5.49E-07	9.32E-03	2.94E-06	8.56E-07
2870	489795.41, 3859349.72	5.57E-03	1.76E-06	5.11E-07	5.99E-03	1.89E-06	5.50E-07	9.34E-03	2.95E-06	8.57E-07
2871	489595.05, 3859219.43	6.47E-03	2.04E-06	5.94E-07	6.96E-03	2.20E-06	6.39E-07	1.08E-02	3.40E-06	9.88E-07
2872	489615.05, 3859219.43	6.47E-03	2.04E-06	5.94E-07	6.96E-03	2.20E-06	6.39E-07	1.08E-02	3.40E-06	9.89E-07
2873	489595.05, 3859239.43	6.30E-03	1.99E-06	5.79E-07	6.78E-03	2.14E-06	6.22E-07	1.05E-02	3.31E-06	9.64E-07
2874	489615.05, 3859239.43	6.31E-03	1.99E-06	5.79E-07	6.79E-03	2.14E-06	6.23E-07	1.05E-02	3.32E-06	9.65E-07
2875	489372.4, 3859092.58	7.75E-03	2.45E-06	7.12E-07	8.32E-03	2.63E-06	7.64E-07	1.27E-02	4.00E-06	1.16E-06
2876	489422.4, 3859092.58	7.73E-03	2.44E-06	7.10E-07	8.30E-03	2.62E-06	7.62E-07	1.27E-02	4.00E-06	1.16E-06
2877	489372.4, 3859142.58	7.17E-03	2.26E-06	6.58E-07	7.70E-03	2.43E-06	7.07E-07	1.18E-02	3.72E-06	1.08E-06
2878	489422.4, 3859142.58	7.18E-03	2.26E-06	6.59E-07	7.71E-03	2.43E-06	7.08E-07	1.18E-02	3.73E-06	1.09E-06
2879	488870.84, 3858666.64	1.76E-02	5.56E-06	1.62E-06	1.88E-02	5.93E-06	1.73E-06	2.73E-02	8.62E-06	2.51E-06
2880	488900.84, 3858666.64	1.73E-02	5.45E-06	1.59E-06	1.84E-02	5.82E-06	1.69E-06	2.69E-02	8.49E-06	2.47E-06
2881	488870.84, 3858696.64	1.75E-02	5.52E-06	1.61E-06	1.86E-02	5.88E-06	1.71E-06	2.66E-02	8.39E-06	2.44E-06
2882	488900.84, 3858696.64	1.71E-02	5.40E-06	1.57E-06	1.82E-02	5.75E-06	1.67E-06	2.62E-02	8.26E-06	2.40E-06
2883	488889.67, 3858683.97	1.73E-02	5.46E-06	1.59E-06	1.84E-02	5.82E-06	1.69E-06	2.66E-02	8.40E-06	2.44E-06
2884	488919.67, 3858683.97	1.69E-02	5.34E-06	1.55E-06	1.81E-02	5.70E-06	1.66E-06	2.62E-02	8.27E-06	2.41E-06
2885	488889.67, 3858713.97	1.72E-02	5.43E-06	1.58E-06	1.83E-02	5.78E-06	1.68E-06	2.60E-02	8.20E-06	2.39E-06
2886	488919.67, 3858713.97	1.68E-02	5.30E-06	1.54E-06	1.79E-02	5.64E-06	1.64E-06	2.56E-02	8.06E-06	2.35E-06
2887	488906.61, 3858703.33	1.70E-02	5.37E-06	1.56E-06	1.81E-02	5.71E-06	1.66E-06	2.59E-02	8.19E-06	2.38E-06
2888	488936.61, 3858703.33	1.66E-02	5.25E-06	1.53E-06	1.77E-02	5.59E-06	1.63E-06	2.55E-02	8.06E-06	2.35E-06
2889	488906.61, 3858733.33	1.70E-02	5.36E-06	1.56E-06	1.80E-02	5.70E-06	1.66E-06	2.54E-02	8.02E-06	2.33E-06
2890	488936.61, 3858733.33	1.66E-02	5.22E-06	1.52E-06	1.76E-02	5.56E-06	1.62E-06	2.50E-02	7.88E-06	2.29E-06
2891	488637.63, 3858467.85	2.47E-02	7.81E-06	2.27E-06	2.66E-02	8.40E-06	2.44E-06	4.13E-02	1.30E-05	3.79E-06
2892	488662.63, 3858467.85	2.42E-02	7.64E-06	2.22E-06	2.61E-02	8.22E-06	2.39E-06	4.05E-02	1.28E-05	3.71E-06
2893	488637.63, 3858492.85	2.40E-02	7.57E-06	2.20E-06	2.58E-02	8.13E-06	2.37E-06	3.96E-02	1.25E-05	3.64E-06
2894	488662.63, 3858492.85	2.35E-02	7.41E-06	2.16E-06	2.52E-02	7.97E-06	2.32E-06	3.89E-02	1.23E-05	3.57E-06
2895	488687.63, 3858492.85	2.30E-02	7.27E-06	2.11E-06	2.48E-02	7.82E-06	2.27E-06	3.82E-02	1.20E-05	3.50E-06
2896	488637.63, 3858517.85	2.33E-02	7.34E-06	2.14E-06	2.50E-02	7.88E-06	2.29E-06	3.79E-02	1.20E-05	3.48E-06
2897	488662.63, 3858517.85	2.28E-02	7.20E-06	2.09E-06	2.45E-02	7.73E-06	2.25E-06	3.73E-02	1.18E-05	3.42E-06
2898	488687.63, 3858517.85	2.24E-02	7.06E-06	2.05E-06	2.40E-02	7.58E-06	2.20E-06	3.66E-02	1.16E-05	3.36E-06
2899	488194.42, 3857168.98	2.98E-02	9.40E-06	2.73E-06	3.22E-02	1.02E-05	2.96E-06	5.17E-02	1.63E-05	4.75E-06
2900	488244.42, 3857168.98	2.91E-02	9.20E-06	2.68E-06	3.15E-02	9.94E-06	2.89E-06	5.06E-02	1.60E-05	4.64E-06
2901	488294.42, 3857168.98	2.85E-02	8.99E-06	2.62E-06	3.08E-02	9.72E-06	2.83E-06	4.94E-02	1.56E-05	4.54E-06
2902	488244.42, 3857218.98	2.98E-02	9.41E-06	2.74E-06	3.22E-02	1.02E-05	2.96E-06	5.18E-02	1.63E-05	4.75E-06
2903	488294.42, 3857218.98	2.91E-02	9.20E-06	2.68E-06	3.15E-02	9.95E-06	2.89E-06	5.06E-02	1.60E-05	4.65E-06
2904	488294.42, 3857268.98	2.98E-02	9.41E-06	2.74E-06	3.22E-02	1.02E-05	2.96E-06	5.18E-02	1.64E-05	4.76E-06
2905	488139.13, 3857111.68	2.97E-02	9.37E-06	2.73E-06	3.21E-02	1.01E-05	2.95E-06	5.15E-02	1.63E-05	4.73E-06
2906	488189.13, 3857111.68	2.91E-02	9.18E-06	2.67E-06	3.14E-02	9.92E-06	2.89E-06	5.04E-02	1.59E-05	4.63E-06
2907	488189.13, 3857161.68	2.98E-02	9.39E-06	2.73E-06	3.22E-02	1.02E-05	2.95E-06	5.16E-02	1.63E-05	4.74E-06
2908	487951.04, 3856961.26	2.96E-02	9.33E-06	2.72E-06	3.20E-02	1.01E-05	2.93E-06	5.12E-02	1.62E-05	4.70E-06
2909	488001.04, 3856961.26	2.90E-02	9.15E-06	2.66E-06	3.13E-02	9.88E-06	2.87E-06	5.01E-02	1.58E-05	4.60E-06
2910	488051.04, 3856961.26	2.83E-02	8.95E-06	2.60E-06	3.06E-02	9.67E-06	2.81E-06	4.90E-02	1.55E-05	4.50E-06
2911	488101.04, 3856961.26	2.79E-02	8.80E-06	2.56E-06	3.01E-02	9.51E-06	2.76E-06	4.82E-02	1.52E-05	4.43E-06
2912	487951.04, 3857011.26	3.05E-02	9.62E-06	2.80E-06	3.29E-02	1.04E-05	3.02E-06	5.28E-02	1.66E-05	4.84E-06
2913	488001.04, 3857011.26	2.98E-02	9.39E-06	2.73E-06	3.22E-02	1.01E-05	2.95E-06	5.15E-02	1.63E-05	4.73E-06
2914	488051.04, 3857011.26	2.91E-02	9.18E-06	2.67E-06	3.14E-02	9.92E-06	2.89E-06	5.04E-02	1.59E-05	4.62E-06
2915	488101.04, 3857011.26	2.86E-02	9.02E-06	2.62E-06	3.09E-02	9.75E-06	2.84E-06	4.95E-02	1.56E-05	4.54E-06
2916	488001.04, 3857061.26	3.06E-02	9.66E-06	2.81E-06	3.31E-02	1.04E-05	3.04E-06	5.30E-02	1.67E-05	4.86E-06
2917	488051.04, 3857061.26	2.99E-02	9.45E-06	2.75E-06	3.24E-02	1.02E-05	2.97E-06	5.18E-02	1.64E-05	4.76E-06
2918	488101.04, 3857061.26	2.93E-02	9.26E-06	2.69E-06	3.17E-02	1.00E-05	2.91E-06	5.08E-02	1.60E-05	4.66E-06
2919	487638.98, 3856673.79	2.80E-02	8.83E-06	2.57E-06	3.02E-02	9.54E-06	2.78E-06	4.83E-02	1.52E-05	4.44E-06
2920	487688.98, 3856673.79	2.75E-02	8.68E-06	2.52E-06	2.97E-02	9.38E-06	2.73E-06	4.75E-02	1.50E-05	4.36E-06
2921	487638.98, 3856723.79	2.89E-02	9.14E-06	2.66E-06	3.13E-02	9.87E-06	2.87E-06	5.00E-02	1.58E-05	4.59E-06
2922	487688.98, 3856723.79	2.84E-02	8.96E-06	2.61E-06	3.07E-02	9.68E-06	2.82E-06	4.91E-02	1.55E-05	4.50E-06
2923	486324.61, 3855740.57	2.30E-02	7.25E-06	2.11E-06	2.48E-02	7.83E-06	2.28E-06	3.92E-02	1.24E-05	3.60E-06
2924	486374.61, 3855740.57	2.18E-02	6.88E-06	2.00E-06	2.35E-02	7.42E-06	2.16E-06	3.72E-02	1.17E-05	3.41E-06

2925	486424.61, 3855740.57	2.12E-02	6.68E-06	1.94E-06	2.28E-02	7.20E-06	2.10E-06	3.61E-02	1.14E-05	3.32E-06
2926	486324.61, 3855790.57	2.38E-02	7.51E-06	2.19E-06	2.57E-02	8.11E-06	2.36E-06	4.07E-02	1.28E-05	3.73E-06
2927	486374.61, 3855790.57	2.27E-02	7.15E-06	2.08E-06	2.44E-02	7.72E-06	2.24E-06	3.87E-02	1.22E-05	3.55E-06
2928	486424.61, 3855790.57	2.22E-02	7.00E-06	2.04E-06	2.39E-02	7.56E-06	2.20E-06	3.79E-02	1.20E-05	3.48E-06
2929	486324.61, 3855840.57	2.46E-02	7.77E-06	2.26E-06	2.66E-02	8.38E-06	2.44E-06	4.21E-02	1.33E-05	3.86E-06
2930	486374.61, 3855840.57	2.40E-02	7.58E-06	2.20E-06	2.59E-02	8.18E-06	2.38E-06	4.11E-02	1.30E-05	3.77E-06
2931	486424.61, 3855840.57	2.33E-02	7.34E-06	2.14E-06	2.51E-02	7.93E-06	2.31E-06	3.98E-02	1.26E-05	3.65E-06
2932	486324.61, 3855890.57	2.60E-02	8.22E-06	2.39E-06	2.81E-02	8.87E-06	2.58E-06	4.46E-02	1.41E-05	4.10E-06
2933	486374.61, 3855890.57	2.53E-02	7.98E-06	2.32E-06	2.73E-02	8.62E-06	2.51E-06	4.33E-02	1.37E-05	3.98E-06
2934	486424.61, 3855890.57	2.44E-02	7.71E-06	2.24E-06	2.64E-02	8.33E-06	2.42E-06	4.19E-02	1.32E-05	3.84E-06
2935	488735.69, 3858285.64	2.71E-02	8.57E-06	2.49E-06	2.93E-02	9.26E-06	2.69E-06	4.70E-02	1.48E-05	4.31E-06
2936	488765.69, 3858285.64	2.65E-02	8.35E-06	2.43E-06	2.86E-02	9.03E-06	2.63E-06	4.58E-02	1.44E-05	4.20E-06
2937	488735.69, 3858315.64	2.66E-02	8.40E-06	2.44E-06	2.87E-02	9.07E-06	2.64E-06	4.59E-02	1.45E-05	4.22E-06
2938	488765.69, 3858315.64	2.59E-02	8.19E-06	2.38E-06	2.80E-02	8.85E-06	2.57E-06	4.48E-02	1.41E-05	4.11E-06
2939	478676.63, 3849871.93	6.40E-04	2.02E-07	5.87E-08	6.90E-04	2.18E-07	6.34E-08	1.09E-03	3.45E-07	1.00E-07
2940	479326.63, 3849871.93	6.10E-04	1.92E-07	5.60E-08	6.58E-04	2.08E-07	6.04E-08	1.04E-03	3.29E-07	9.56E-08
2941	479376.63, 3849871.93	5.99E-04	1.89E-07	5.50E-08	6.47E-04	2.04E-07	5.94E-08	1.02E-03	3.23E-07	9.40E-08
2942	479426.63, 3849871.93	5.92E-04	1.87E-07	5.43E-08	6.39E-04	2.02E-07	5.86E-08	1.01E-03	3.19E-07	9.27E-08
2943	478726.63, 3849921.93	6.51E-04	2.05E-07	5.97E-08	7.02E-04	2.22E-07	6.45E-08	1.11E-03	3.51E-07	1.02E-07
2944	478776.63, 3849921.93	6.60E-04	2.08E-07	6.06E-08	7.12E-04	2.25E-07	6.54E-08	1.13E-03	3.56E-07	1.04E-07
2945	478826.63, 3849921.93	6.67E-04	2.11E-07	6.13E-08	7.20E-04	2.27E-07	6.61E-08	1.14E-03	3.60E-07	1.05E-07
2946	478976.63, 3849921.93	6.78E-04	2.14E-07	6.22E-08	7.31E-04	2.31E-07	6.71E-08	1.16E-03	3.66E-07	1.06E-07
2947	479026.63, 3849921.93	6.83E-04	2.15E-07	6.27E-08	7.37E-04	2.32E-07	6.76E-08	1.17E-03	3.68E-07	1.07E-07
2948	479076.63, 3849921.93	6.82E-04	2.15E-07	6.26E-08	7.36E-04	2.32E-07	6.76E-08	1.17E-03	3.68E-07	1.07E-07
2949	479126.63, 3849921.93	6.79E-04	2.14E-07	6.23E-08	7.32E-04	2.31E-07	6.72E-08	1.16E-03	3.66E-07	1.07E-07
2950	479176.63, 3849921.93	6.76E-04	2.13E-07	6.21E-08	7.30E-04	2.30E-07	6.70E-08	1.16E-03	3.65E-07	1.06E-07
2951	479226.63, 3849921.93	6.62E-04	2.09E-07	6.08E-08	7.14E-04	2.26E-07	6.56E-08	1.13E-03	3.57E-07	1.04E-07
2952	479276.63, 3849921.93	6.37E-04	2.01E-07	5.85E-08	6.87E-04	2.17E-07	6.31E-08	1.09E-03	3.44E-07	9.99E-08
2953	479326.63, 3849921.93	6.49E-04	2.05E-07	5.96E-08	7.00E-04	2.21E-07	6.43E-08	1.11E-03	3.50E-07	1.02E-07
2954	479376.63, 3849921.93	6.22E-04	1.96E-07	5.71E-08	6.71E-04	2.12E-07	6.16E-08	1.06E-03	3.35E-07	9.75E-08
2955	479426.63, 3849921.93	6.25E-04	1.97E-07	5.74E-08	6.74E-04	2.13E-07	6.19E-08	1.07E-03	3.37E-07	9.79E-08
2956	478726.63, 3849971.93	6.50E-04	2.05E-07	5.97E-08	7.01E-04	2.21E-07	6.44E-08	1.11E-03	3.50E-07	1.02E-07
2957	478776.63, 3849971.93	6.61E-04	2.09E-07	6.07E-08	7.13E-04	2.25E-07	6.55E-08	1.13E-03	3.56E-07	1.04E-07
2958	478826.63, 3849971.93	6.70E-04	2.12E-07	6.15E-08	7.23E-04	2.28E-07	6.64E-08	1.15E-03	3.61E-07	1.05E-07
2959	478976.63, 3849971.93	6.92E-04	2.19E-07	6.36E-08	7.47E-04	2.36E-07	6.86E-08	1.18E-03	3.74E-07	1.09E-07
2960	479026.63, 3849971.93	6.94E-04	2.19E-07	6.37E-08	7.49E-04	2.36E-07	6.88E-08	1.19E-03	3.74E-07	1.09E-07
2961	479076.63, 3849971.93	6.94E-04	2.19E-07	6.37E-08	7.49E-04	2.36E-07	6.87E-08	1.19E-03	3.74E-07	1.09E-07
2962	479126.63, 3849971.93	6.94E-04	2.19E-07	6.37E-08	7.49E-04	2.36E-07	6.87E-08	1.19E-03	3.74E-07	1.09E-07
2963	479176.63, 3849971.93	6.91E-04	2.18E-07	6.35E-08	7.46E-04	2.35E-07	6.85E-08	1.18E-03	3.73E-07	1.08E-07
2964	479226.63, 3849971.93	6.64E-04	2.10E-07	6.09E-08	7.16E-04	2.26E-07	6.58E-08	1.13E-03	3.58E-07	1.04E-07
2965	479276.63, 3849971.93	6.74E-04	2.13E-07	6.19E-08	7.27E-04	2.30E-07	6.68E-08	1.15E-03	3.64E-07	1.06E-07
2966	479326.63, 3849971.93	6.78E-04	2.14E-07	6.22E-08	7.31E-04	2.31E-07	6.71E-08	1.16E-03	3.66E-07	1.06E-07
2967	479376.63, 3849971.93	6.53E-04	2.06E-07	5.99E-08	7.04E-04	2.22E-07	6.46E-08	1.11E-03	3.52E-07	1.02E-07
2968	479426.63, 3849971.93	6.48E-04	2.05E-07	5.95E-08	7.00E-04	2.21E-07	6.42E-08	1.11E-03	3.49E-07	1.02E-07
2969	478726.63, 3850021.93	6.48E-04	2.05E-07	5.95E-08	6.99E-04	2.21E-07	6.42E-08	1.11E-03	3.49E-07	1.02E-07
2970	478776.63, 3850021.93	6.60E-04	2.08E-07	6.06E-08	7.12E-04	2.25E-07	6.54E-08	1.13E-03	3.56E-07	1.03E-07
2971	478826.63, 3850021.93	6.72E-04	2.12E-07	6.17E-08	7.25E-04	2.29E-07	6.65E-08	1.15E-03	3.62E-07	1.05E-07
2972	478976.63, 3850021.93	6.99E-04	2.21E-07	6.42E-08	7.54E-04	2.38E-07	6.93E-08	1.19E-03	3.77E-07	1.10E-07
2973	478726.63, 3850071.93	6.44E-04	2.03E-07	5.91E-08	6.95E-04	2.19E-07	6.38E-08	1.10E-03	3.47E-07	1.01E-07
2974	478776.63, 3850071.93	6.58E-04	2.08E-07	6.05E-08	7.10E-04	2.24E-07	6.52E-08	1.12E-03	3.55E-07	1.03E-07
2975	478826.63, 3850071.93	6.72E-04	2.12E-07	6.16E-08	7.24E-04	2.29E-07	6.65E-08	1.15E-03	3.62E-07	1.05E-07
2976	478876.63, 3850071.93	6.84E-04	2.16E-07	6.28E-08	7.38E-04	2.33E-07	6.77E-08	1.17E-03	3.68E-07	1.07E-07
2977	478976.63, 3850071.93	7.04E-04	2.22E-07	6.47E-08	7.60E-04	2.40E-07	6.98E-08	1.20E-03	3.80E-07	1.10E-07
2978	478726.63, 3850121.93	6.39E-04	2.02E-07	5.86E-08	6.89E-04	2.17E-07	6.33E-08	1.09E-03	3.43E-07	9.99E-08
2979	478776.63, 3850121.93	6.55E-04	2.07E-07	6.01E-08	7.07E-04	2.23E-07	6.49E-08	1.12E-03	3.53E-07	1.03E-07
2980	478826.63, 3850121.93	6.70E-04	2.11E-07	6.15E-08	7.22E-04	2.28E-07	6.63E-08	1.14E-03	3.61E-07	1.05E-07
2981	478876.63, 3850121.93	6.83E-04	2.15E-07	6.27E-08	7.36E-04	2.32E-07	6.76E-08	1.17E-03	3.68E-07	1.07E-07
2982	478976.63, 3850121.93	7.07E-04	2.23E-07	6.50E-08	7.63E-04	2.41E-07	7.01E-08	1.21E-03	3.81E-07	1.11E-07
2983	479026.63, 3850121.93	7.17E-04	2.26E-07	6.58E-08	7.74E-04	2.44E-07	7.10E-08	1.23E-03	3.87E-07	1.12E-07
2984	479076.63, 3850121.93	7.24E-04	2.28E-07	6.64E-08	7.81E-04	2.46E-07	7.17E-08	1.24E-03	3.90E-07	1.14E-07
2985	479126.63, 3850121.93	7.29E-04	2.30E-07	6.69E-08	7.87E-04	2.48E-07	7.22E-08	1.25E-03	3.93E-07	1.14E-07

2986	478776.63, 3850171.93	6.49E-04	2.05E-07	5.96E-08	7.01E-04	2.21E-07	6.43E-08	1.11E-03	3.49E-07	1.02E-07
2987	478826.63, 3850171.93	6.65E-04	2.10E-07	6.11E-08	7.18E-04	2.27E-07	6.59E-08	1.13E-03	3.58E-07	1.04E-07
2988	478876.63, 3850171.93	6.80E-04	2.15E-07	6.25E-08	7.34E-04	2.32E-07	6.74E-08	1.16E-03	3.66E-07	1.07E-07
2989	478976.63, 3850171.93	7.09E-04	2.24E-07	6.50E-08	7.64E-04	2.41E-07	7.02E-08	1.21E-03	3.82E-07	1.11E-07
2990	479026.63, 3850171.93	7.21E-04	2.27E-07	6.62E-08	7.78E-04	2.45E-07	7.14E-08	1.23E-03	3.89E-07	1.13E-07
2991	479076.63, 3850171.93	7.30E-04	2.30E-07	6.70E-08	7.87E-04	2.48E-07	7.23E-08	1.25E-03	3.93E-07	1.14E-07
2992	479126.63, 3850171.93	7.37E-04	2.33E-07	6.77E-08	7.95E-04	2.51E-07	7.30E-08	1.26E-03	3.97E-07	1.16E-07
2993	479176.63, 3850171.93	7.44E-04	2.35E-07	6.83E-08	8.03E-04	2.53E-07	7.37E-08	1.27E-03	4.01E-07	1.17E-07
2994	479226.63, 3850171.93	7.51E-04	2.37E-07	6.90E-08	8.11E-04	2.56E-07	7.44E-08	1.28E-03	4.05E-07	1.18E-07
2995	479276.63, 3850171.93	7.57E-04	2.39E-07	6.95E-08	8.17E-04	2.58E-07	7.50E-08	1.29E-03	4.08E-07	1.19E-07
2996	479326.63, 3850171.93	7.56E-04	2.39E-07	6.94E-08	8.16E-04	2.58E-07	7.49E-08	1.29E-03	4.08E-07	1.19E-07
2997	479376.63, 3850171.93	7.53E-04	2.38E-07	6.91E-08	8.12E-04	2.56E-07	7.46E-08	1.29E-03	4.06E-07	1.18E-07
2998	478676.63, 3850221.93	6.04E-04	1.91E-07	5.55E-08	6.51E-04	2.06E-07	5.98E-08	1.03E-03	3.24E-07	9.43E-08
2999	478726.63, 3850221.93	6.24E-04	1.97E-07	5.73E-08	6.73E-04	2.12E-07	6.18E-08	1.06E-03	3.35E-07	9.74E-08
3000	478976.63, 3850221.93	7.08E-04	2.24E-07	6.50E-08	7.64E-04	2.41E-07	7.01E-08	1.21E-03	3.81E-07	1.11E-07
3001	479026.63, 3850221.93	7.22E-04	2.28E-07	6.63E-08	7.79E-04	2.46E-07	7.15E-08	1.23E-03	3.89E-07	1.13E-07
3002	479076.63, 3850221.93	7.33E-04	2.31E-07	6.73E-08	7.91E-04	2.50E-07	7.26E-08	1.25E-03	3.95E-07	1.15E-07
3003	479126.63, 3850221.93	7.43E-04	2.34E-07	6.82E-08	8.01E-04	2.53E-07	7.36E-08	1.27E-03	4.01E-07	1.17E-07
3004	479176.63, 3850221.93	7.52E-04	2.37E-07	6.91E-08	8.12E-04	2.56E-07	7.45E-08	1.29E-03	4.06E-07	1.18E-07
3005	479226.63, 3850221.93	7.60E-04	2.40E-07	6.98E-08	8.20E-04	2.59E-07	7.53E-08	1.30E-03	4.10E-07	1.19E-07
3006	479276.63, 3850221.93	7.67E-04	2.42E-07	7.04E-08	8.27E-04	2.61E-07	7.60E-08	1.31E-03	4.14E-07	1.20E-07
3007	479326.63, 3850221.93	7.68E-04	2.42E-07	7.05E-08	8.28E-04	2.61E-07	7.60E-08	1.31E-03	4.14E-07	1.20E-07
3008	479376.63, 3850221.93	7.68E-04	2.42E-07	7.05E-08	8.28E-04	2.61E-07	7.60E-08	1.31E-03	4.14E-07	1.20E-07
3009	478676.63, 3850271.93	5.95E-04	1.88E-07	5.46E-08	6.41E-04	2.02E-07	5.89E-08	1.01E-03	3.19E-07	9.27E-08
3010	478726.63, 3850271.93	6.15E-04	1.94E-07	5.65E-08	6.63E-04	2.09E-07	6.09E-08	1.05E-03	3.30E-07	9.60E-08
3011	478976.63, 3850271.93	7.05E-04	2.23E-07	6.47E-08	7.61E-04	2.40E-07	6.98E-08	1.20E-03	3.79E-07	1.10E-07
3012	479026.63, 3850271.93	7.21E-04	2.28E-07	6.62E-08	7.78E-04	2.46E-07	7.14E-08	1.23E-03	3.88E-07	1.13E-07
3013	479076.63, 3850271.93	7.35E-04	2.32E-07	6.74E-08	7.93E-04	2.50E-07	7.28E-08	1.25E-03	3.96E-07	1.15E-07
3014	479126.63, 3850271.93	7.47E-04	2.36E-07	6.86E-08	8.06E-04	2.54E-07	7.40E-08	1.27E-03	4.02E-07	1.17E-07
3015	479176.63, 3850271.93	7.58E-04	2.39E-07	6.96E-08	8.17E-04	2.58E-07	7.50E-08	1.29E-03	4.08E-07	1.19E-07
3016	479226.63, 3850271.93	7.67E-04	2.42E-07	7.04E-08	8.28E-04	2.61E-07	7.60E-08	1.31E-03	4.14E-07	1.20E-07
3017	479276.63, 3850271.93	7.74E-04	2.44E-07	7.11E-08	8.35E-04	2.64E-07	7.67E-08	1.32E-03	4.17E-07	1.21E-07
3018	479326.63, 3850271.93	7.77E-04	2.45E-07	7.14E-08	8.39E-04	2.65E-07	7.70E-08	1.33E-03	4.19E-07	1.22E-07
3019	479376.63, 3850271.93	7.78E-04	2.45E-07	7.14E-08	8.39E-04	2.65E-07	7.70E-08	1.33E-03	4.19E-07	1.22E-07
3020	479053.24, 3850293.52	7.28E-04	2.30E-07	6.69E-08	7.86E-04	2.48E-07	7.21E-08	1.24E-03	3.92E-07	1.14E-07
3021	479103.24, 3850293.52	7.42E-04	2.34E-07	6.81E-08	8.00E-04	2.53E-07	7.35E-08	1.27E-03	4.00E-07	1.16E-07
3022	479153.24, 3850293.52	7.54E-04	2.38E-07	6.92E-08	8.13E-04	2.57E-07	7.46E-08	1.29E-03	4.06E-07	1.18E-07
3023	479203.24, 3850293.52	7.65E-04	2.41E-07	7.02E-08	8.25E-04	2.61E-07	7.58E-08	1.31E-03	4.12E-07	1.20E-07
3024	479253.24, 3850293.52	7.74E-04	2.44E-07	7.10E-08	8.35E-04	2.63E-07	7.66E-08	1.32E-03	4.17E-07	1.21E-07
3025	479303.24, 3850293.52	7.79E-04	2.46E-07	7.15E-08	8.41E-04	2.65E-07	7.72E-08	1.33E-03	4.20E-07	1.22E-07
3026	479353.24, 3850293.52	7.82E-04	2.47E-07	7.18E-08	8.44E-04	2.66E-07	7.75E-08	1.34E-03	4.22E-07	1.23E-07
3027	479153.24, 3850343.52	7.55E-04	2.38E-07	6.93E-08	8.15E-04	2.57E-07	7.48E-08	1.29E-03	4.07E-07	1.18E-07
3028	479203.24, 3850343.52	7.68E-04	2.42E-07	7.05E-08	8.29E-04	2.62E-07	7.61E-08	1.31E-03	4.14E-07	1.20E-07
3029	479253.24, 3850343.52	7.78E-04	2.45E-07	7.14E-08	8.39E-04	2.65E-07	7.70E-08	1.33E-03	4.19E-07	1.22E-07
3030	479303.24, 3850343.52	7.85E-04	2.48E-07	7.21E-08	8.47E-04	2.67E-07	7.77E-08	1.34E-03	4.23E-07	1.23E-07
3031	479353.24, 3850343.52	7.90E-04	2.49E-07	7.25E-08	8.52E-04	2.69E-07	7.82E-08	1.35E-03	4.26E-07	1.24E-07
3032	479203.24, 3850393.52	7.68E-04	2.42E-07	7.05E-08	8.29E-04	2.62E-07	7.61E-08	1.31E-03	4.14E-07	1.20E-07
3033	479253.24, 3850393.52	7.80E-04	2.46E-07	7.16E-08	8.41E-04	2.66E-07	7.72E-08	1.33E-03	4.20E-07	1.22E-07
3034	479303.24, 3850393.52	7.89E-04	2.49E-07	7.24E-08	8.51E-04	2.69E-07	7.82E-08	1.35E-03	4.25E-07	1.24E-07
3035	479353.24, 3850393.52	7.96E-04	2.51E-07	7.31E-08	8.59E-04	2.71E-07	7.89E-08	1.36E-03	4.29E-07	1.25E-07
3036	479403.24, 3850393.52	8.01E-04	2.53E-07	7.36E-08	8.65E-04	2.73E-07	7.94E-08	1.37E-03	4.32E-07	1.26E-07
3037	479453.24, 3850393.52	8.03E-04	2.53E-07	7.37E-08	8.67E-04	2.73E-07	7.96E-08	1.37E-03	4.33E-07	1.26E-07
3038	479503.24, 3850393.52	8.01E-04	2.53E-07	7.36E-08	8.65E-04	2.73E-07	7.94E-08	1.37E-03	4.32E-07	1.26E-07
3039	479303.24, 3850443.52	7.91E-04	2.50E-07	7.26E-08	8.53E-04	2.69E-07	7.83E-08	1.35E-03	4.26E-07	1.24E-07
3040	479353.24, 3850443.52	8.00E-04	2.52E-07	7.34E-08	8.63E-04	2.72E-07	7.92E-08	1.37E-03	4.31E-07	1.25E-07
3041	479403.24, 3850443.52	8.06E-04	2.54E-07	7.40E-08	8.70E-04	2.75E-07	7.98E-08	1.38E-03	4.35E-07	1.26E-07
3042	479453.24, 3850443.52	8.10E-04	2.56E-07	7.43E-08	8.74E-04	2.76E-07	8.02E-08	1.38E-03	4.37E-07	1.27E-07
3043	479503.24, 3850443.52	8.11E-04	2.56E-07	7.44E-08	8.75E-04	2.76E-07	8.03E-08	1.39E-03	4.37E-07	1.27E-07
3044	480327.18, 3850987.04	9.69E-04	3.06E-07	8.90E-08	1.05E-03	3.30E-07	9.59E-08	1.65E-03	5.20E-07	1.51E-07
3045	480377.18, 3850987.04	9.62E-04	3.04E-07	8.83E-08	1.04E-03	3.27E-07	9.52E-08	1.64E-03	5.16E-07	1.50E-07
3046	480427.18, 3850987.04	9.52E-04	3.01E-07	8.74E-08	1.03E-03	3.24E-07	9.43E-08	1.62E-03	5.11E-07	1.49E-07

3047	480477.18, 3850987.04	9.41E-04	2.97E-07	8.64E-08	1.01E-03	3.20E-07	9.32E-08	1.60E-03	5.05E-07	1.47E-07
3048	480327.18, 3851037.04	9.91E-04	3.13E-07	9.10E-08	1.07E-03	3.37E-07	9.82E-08	1.69E-03	5.32E-07	1.55E-07
3049	480377.18, 3851037.04	9.85E-04	3.11E-07	9.04E-08	1.06E-03	3.35E-07	9.75E-08	1.68E-03	5.29E-07	1.54E-07
3050	480427.18, 3851037.04	9.77E-04	3.08E-07	8.97E-08	1.05E-03	3.32E-07	9.67E-08	1.66E-03	5.24E-07	1.52E-07
3051	480477.18, 3851037.04	9.68E-04	3.05E-07	8.89E-08	1.04E-03	3.29E-07	9.58E-08	1.64E-03	5.19E-07	1.51E-07
3052	480622.06, 3851087.39	9.68E-04	3.05E-07	8.88E-08	1.04E-03	3.29E-07	9.58E-08	1.64E-03	5.18E-07	1.51E-07
3053	480672.06, 3851087.39	9.58E-04	3.02E-07	8.80E-08	1.03E-03	3.26E-07	9.48E-08	1.63E-03	5.13E-07	1.49E-07
3054	480622.06, 3851137.39	9.96E-04	3.14E-07	9.14E-08	1.07E-03	3.39E-07	9.86E-08	1.69E-03	5.33E-07	1.55E-07
3055	480672.06, 3851137.39	9.86E-04	3.11E-07	9.06E-08	1.06E-03	3.36E-07	9.76E-08	1.67E-03	5.28E-07	1.54E-07
3056	480722.06, 3851137.39	9.78E-04	3.09E-07	8.98E-08	1.05E-03	3.33E-07	9.68E-08	1.66E-03	5.23E-07	1.52E-07
3057	480622.06, 3851187.39	1.02E-03	3.23E-07	9.40E-08	1.10E-03	3.48E-07	1.01E-07	1.74E-03	5.48E-07	1.60E-07
3058	480672.06, 3851187.39	1.02E-03	3.20E-07	9.32E-08	1.09E-03	3.45E-07	1.00E-07	1.72E-03	5.44E-07	1.58E-07
3059	480722.06, 3851187.39	1.01E-03	3.18E-07	9.25E-08	1.09E-03	3.43E-07	9.97E-08	1.71E-03	5.39E-07	1.57E-07
3060	471363.09, 3845877.25	1.28E-04	4.05E-08	1.18E-08	1.38E-04	4.37E-08	1.27E-08	2.19E-04	6.92E-08	2.01E-08
3061	471863.09, 3845877.25	1.21E-04	3.80E-08	1.11E-08	1.30E-04	4.11E-08	1.19E-08	2.06E-04	6.51E-08	1.89E-08
3062	472363.09, 3845877.25	1.26E-04	3.97E-08	1.15E-08	1.36E-04	4.28E-08	1.24E-08	2.15E-04	6.77E-08	1.97E-08
3063	472863.09, 3845877.25	1.05E-04	3.32E-08	9.67E-09	1.14E-04	3.59E-08	1.04E-08	1.80E-04	5.68E-08	1.65E-08
3064	473363.09, 3845877.25	1.12E-04	3.52E-08	1.02E-08	1.20E-04	3.80E-08	1.10E-08	1.91E-04	6.01E-08	1.75E-08
3065	473863.09, 3845877.25	1.21E-04	3.83E-08	1.11E-08	1.31E-04	4.13E-08	1.20E-08	2.07E-04	6.54E-08	1.90E-08
3066	474363.09, 3845877.25	1.57E-04	4.95E-08	1.44E-08	1.69E-04	5.34E-08	1.55E-08	2.68E-04	8.45E-08	2.46E-08
3067	474863.09, 3845877.25	1.98E-04	6.25E-08	1.82E-08	2.14E-04	6.75E-08	1.96E-08	3.39E-04	1.07E-07	3.11E-08
3068	475363.09, 3845877.25	2.18E-04	6.88E-08	2.00E-08	2.35E-04	7.43E-08	2.16E-08	3.73E-04	1.18E-07	3.43E-08
3069	475863.09, 3845877.25	2.13E-04	6.72E-08	1.95E-08	2.30E-04	7.25E-08	2.11E-08	3.64E-04	1.15E-07	3.34E-08
3070	476363.09, 3845877.25	1.84E-04	5.79E-08	1.69E-08	1.98E-04	6.25E-08	1.82E-08	3.13E-04	9.88E-08	2.87E-08
3071	476863.09, 3845877.25	1.59E-04	5.02E-08	1.46E-08	1.72E-04	5.42E-08	1.58E-08	2.71E-04	8.56E-08	2.49E-08
3072	477363.09, 3845877.25	1.43E-04	4.50E-08	1.31E-08	1.54E-04	4.86E-08	1.41E-08	2.42E-04	7.65E-08	2.22E-08
3073	477863.09, 3845877.25	1.29E-04	4.07E-08	1.18E-08	1.39E-04	4.39E-08	1.28E-08	2.19E-04	6.92E-08	2.01E-08
3074	478363.09, 3845877.25	1.22E-04	3.84E-08	1.12E-08	1.31E-04	4.14E-08	1.20E-08	2.06E-04	6.51E-08	1.89E-08
3075	478863.09, 3845877.25	1.16E-04	3.68E-08	1.07E-08	1.26E-04	3.96E-08	1.15E-08	1.98E-04	6.24E-08	1.82E-08
3076	479363.09, 3845877.25	1.14E-04	3.60E-08	1.05E-08	1.23E-04	3.88E-08	1.13E-08	1.93E-04	6.09E-08	1.77E-08
3077	479863.09, 3845877.25	1.07E-04	3.37E-08	9.80E-09	1.15E-04	3.63E-08	1.06E-08	1.81E-04	5.71E-08	1.66E-08
3078	480363.09, 3845877.25	9.45E-05	2.98E-08	8.67E-09	1.02E-04	3.21E-08	9.35E-09	1.60E-04	5.07E-08	1.47E-08
3079	480863.09, 3845877.25	8.79E-05	2.77E-08	8.07E-09	9.47E-05	2.99E-08	8.70E-09	1.49E-04	4.71E-08	1.37E-08
3080	481363.09, 3845877.25	8.22E-05	2.59E-08	7.55E-09	8.86E-05	2.80E-08	8.14E-09	1.40E-04	4.40E-08	1.28E-08
3081	481863.09, 3845877.25	7.71E-05	2.43E-08	7.08E-09	8.31E-05	2.62E-08	7.63E-09	1.31E-04	4.14E-08	1.20E-08
3082	482363.09, 3845877.25	7.05E-05	2.23E-08	6.47E-09	7.60E-05	2.40E-08	6.98E-09	1.20E-04	3.78E-08	1.10E-08
3083	482863.09, 3845877.25	6.02E-05	1.90E-08	5.52E-09	6.49E-05	2.05E-08	5.96E-09	1.03E-04	3.24E-08	9.41E-09
3084	483363.09, 3845877.25	5.51E-05	1.74E-08	5.06E-09	5.94E-05	1.88E-08	5.45E-09	9.41E-05	2.97E-08	8.64E-09
3085	483863.09, 3845877.25	6.07E-05	1.92E-08	5.58E-09	6.55E-05	2.07E-08	6.01E-09	1.03E-04	3.26E-08	9.49E-09
3086	484363.09, 3845877.25	5.99E-05	1.89E-08	5.50E-09	6.46E-05	2.04E-08	5.93E-09	1.02E-04	3.22E-08	9.36E-09
3087	484863.09, 3845877.25	5.69E-05	1.80E-08	5.23E-09	6.14E-05	1.94E-08	5.64E-09	9.69E-05	3.06E-08	8.89E-09
3088	485363.09, 3845877.25	5.40E-05	1.70E-08	4.95E-09	5.82E-05	1.84E-08	5.34E-09	9.21E-05	2.91E-08	8.45E-09
3089	485863.09, 3845877.25	5.34E-05	1.68E-08	4.90E-09	5.76E-05	1.82E-08	5.29E-09	9.12E-05	2.88E-08	8.37E-09
3090	486363.09, 3845877.25	5.17E-05	1.63E-08	4.75E-09	5.58E-05	1.76E-08	5.12E-09	8.83E-05	2.79E-08	8.11E-09
3091	486863.09, 3845877.25	4.86E-05	1.53E-08	4.46E-09	5.24E-05	1.65E-08	4.81E-09	8.31E-05	2.62E-08	7.63E-09
3092	487363.09, 3845877.25	4.76E-05	1.50E-08	4.37E-09	5.14E-05	1.62E-08	4.71E-09	8.15E-05	2.57E-08	7.48E-09
3093	487863.09, 3845877.25	4.53E-05	1.43E-08	4.16E-09	4.89E-05	1.54E-08	4.49E-09	7.78E-05	2.45E-08	7.14E-09
3094	488363.09, 3845877.25	4.46E-05	1.41E-08	4.09E-09	4.82E-05	1.52E-08	4.42E-09	7.67E-05	2.42E-08	7.05E-09
3095	488863.09, 3845877.25	4.78E-05	1.51E-08	4.39E-09	5.17E-05	1.63E-08	4.74E-09	8.21E-05	2.59E-08	7.54E-09
3096	489363.09, 3845877.25	4.84E-05	1.53E-08	4.44E-09	5.23E-05	1.65E-08	4.80E-09	8.32E-05	2.63E-08	7.64E-09
3097	489863.09, 3845877.25	4.79E-05	1.51E-08	4.40E-09	5.18E-05	1.63E-08	4.75E-09	8.28E-05	2.61E-08	7.60E-09
3098	490363.09, 3845877.25	4.68E-05	1.48E-08	4.29E-09	5.06E-05	1.60E-08	4.64E-09	8.11E-05	2.56E-08	7.44E-09
3099	490863.09, 3845877.25	4.39E-05	1.39E-08	4.03E-09	4.75E-05	1.50E-08	4.36E-09	7.64E-05	2.41E-08	7.02E-09
3100	491363.09, 3845877.25	4.73E-05	1.49E-08	4.34E-09	5.12E-05	1.61E-08	4.70E-09	8.22E-05	2.59E-08	7.55E-09
3101	491863.09, 3845877.25	5.00E-05	1.58E-08	4.59E-09	5.41E-05	1.71E-08	4.96E-09	8.67E-05	2.74E-08	7.96E-09
3102	492363.09, 3845877.25	4.80E-05	1.52E-08	4.41E-09	5.19E-05	1.64E-08	4.77E-09	8.35E-05	2.64E-08	7.67E-09
3103	492863.09, 3845877.25	5.42E-05	1.71E-08	4.98E-09	5.86E-05	1.85E-08	5.38E-09	9.39E-05	2.96E-08	8.62E-09
3104	493363.09, 3845877.25	5.79E-05	1.83E-08	5.31E-09	6.26E-05	1.97E-08	5.74E-09	1.00E-04	3.17E-08	9.21E-09
3105	493863.09, 3845877.25	6.18E-05	1.95E-08	5.68E-09	6.68E-05	2.11E-08	6.13E-09	1.07E-04	3.38E-08	9.82E-09
3106	494363.09, 3845877.25	6.59E-05	2.08E-08	6.05E-09	7.12E-05	2.25E-08	6.54E-09	1.14E-04	3.60E-08	1.05E-08
3107	494863.09, 3845877.25	6.96E-05	2.20E-08	6.39E-09	7.52E-05	2.37E-08	6.90E-09	1.20E-04	3.80E-08	1.11E-08

3108	495363.09, 3845877.25	7.42E-05	2.34E-08	6.81E-09	8.02E-05	2.53E-08	7.36E-09	1.28E-04	4.05E-08	1.18E-08
3109	495863.09, 3845877.25	8.00E-05	2.52E-08	7.34E-09	8.64E-05	2.73E-08	7.93E-09	1.38E-04	4.37E-08	1.27E-08
3110	496363.09, 3845877.25	8.59E-05	2.71E-08	7.89E-09	9.28E-05	2.93E-08	8.52E-09	1.48E-04	4.68E-08	1.36E-08
3111	496863.09, 3845877.25	9.04E-05	2.85E-08	8.30E-09	9.77E-05	3.08E-08	8.97E-09	1.56E-04	4.93E-08	1.43E-08
3112	497363.09, 3845877.25	9.53E-05	3.01E-08	8.75E-09	1.03E-04	3.25E-08	9.45E-09	1.65E-04	5.20E-08	1.51E-08
3113	497863.09, 3845877.25	1.01E-04	3.18E-08	9.25E-09	1.09E-04	3.44E-08	1.00E-08	1.74E-04	5.50E-08	1.60E-08
3114	498363.09, 3845877.25	1.06E-04	3.34E-08	9.71E-09	1.14E-04	3.61E-08	1.05E-08	1.83E-04	5.77E-08	1.68E-08
3115	471363.09, 3846377.25	2.06E-04	6.51E-08	1.89E-08	2.23E-04	7.02E-08	2.04E-08	3.51E-04	1.11E-07	3.22E-08
3116	471863.09, 3846377.25	1.85E-04	5.85E-08	1.70E-08	2.00E-04	6.31E-08	1.84E-08	3.16E-04	9.97E-08	2.90E-08
3117	472363.09, 3846377.25	1.31E-04	4.13E-08	1.20E-08	1.41E-04	4.46E-08	1.30E-08	2.24E-04	7.07E-08	2.06E-08
3118	472863.09, 3846377.25	1.28E-04	4.04E-08	1.17E-08	1.38E-04	4.36E-08	1.27E-08	2.19E-04	6.90E-08	2.01E-08
3119	473363.09, 3846377.25	1.22E-04	3.86E-08	1.12E-08	1.32E-04	4.16E-08	1.21E-08	2.09E-04	6.59E-08	1.92E-08
3120	473863.09, 3846377.25	1.34E-04	4.22E-08	1.23E-08	1.44E-04	4.55E-08	1.32E-08	2.28E-04	7.20E-08	2.09E-08
3121	474363.09, 3846377.25	1.49E-04	4.71E-08	1.37E-08	1.61E-04	5.08E-08	1.48E-08	2.54E-04	8.03E-08	2.33E-08
3122	474863.09, 3846377.25	1.91E-04	6.03E-08	1.76E-08	2.06E-04	6.51E-08	1.89E-08	3.26E-04	1.03E-07	2.99E-08
3123	475363.09, 3846377.25	2.34E-04	7.38E-08	2.15E-08	2.52E-04	7.97E-08	2.32E-08	4.00E-04	1.26E-07	3.67E-08
3124	475863.09, 3846377.25	2.53E-04	7.98E-08	2.32E-08	2.73E-04	8.61E-08	2.50E-08	4.32E-04	1.36E-07	3.97E-08
3125	476363.09, 3846377.25	2.31E-04	7.29E-08	2.12E-08	2.49E-04	7.87E-08	2.29E-08	3.95E-04	1.25E-07	3.62E-08
3126	476863.09, 3846377.25	1.98E-04	6.25E-08	1.82E-08	2.14E-04	6.74E-08	1.96E-08	3.38E-04	1.07E-07	3.10E-08
3127	477363.09, 3846377.25	1.75E-04	5.53E-08	1.61E-08	1.89E-04	5.96E-08	1.73E-08	2.99E-04	9.42E-08	2.74E-08
3128	477863.09, 3846377.25	1.52E-04	4.79E-08	1.39E-08	1.64E-04	5.17E-08	1.50E-08	2.58E-04	8.14E-08	2.37E-08
3129	478363.09, 3846377.25	1.42E-04	4.47E-08	1.30E-08	1.53E-04	4.82E-08	1.40E-08	2.41E-04	7.59E-08	2.21E-08
3130	478863.09, 3846377.25	1.41E-04	4.44E-08	1.29E-08	1.52E-04	4.79E-08	1.39E-08	2.39E-04	7.55E-08	2.20E-08
3131	479363.09, 3846377.25	1.33E-04	4.21E-08	1.22E-08	1.44E-04	4.54E-08	1.32E-08	2.26E-04	7.15E-08	2.08E-08
3132	479863.09, 3846377.25	1.21E-04	3.82E-08	1.11E-08	1.30E-04	4.11E-08	1.20E-08	2.05E-04	6.46E-08	1.88E-08
3133	480363.09, 3846377.25	1.17E-04	3.68E-08	1.07E-08	1.26E-04	3.97E-08	1.15E-08	1.98E-04	6.25E-08	1.82E-08
3134	480863.09, 3846377.25	1.01E-04	3.19E-08	9.28E-09	1.09E-04	3.44E-08	1.00E-08	1.72E-04	5.42E-08	1.58E-08
3135	481363.09, 3846377.25	9.54E-05	3.01E-08	8.75E-09	1.03E-04	3.24E-08	9.44E-09	1.62E-04	5.10E-08	1.48E-08
3136	481863.09, 3846377.25	8.85E-05	2.79E-08	8.13E-09	9.55E-05	3.01E-08	8.76E-09	1.50E-04	4.75E-08	1.38E-08
3137	482363.09, 3846377.25	7.94E-05	2.51E-08	7.29E-09	8.56E-05	2.70E-08	7.86E-09	1.35E-04	4.26E-08	1.24E-08
3138	482863.09, 3846377.25	6.91E-05	2.18E-08	6.34E-09	7.45E-05	2.35E-08	6.84E-09	1.17E-04	3.71E-08	1.08E-08
3139	483363.09, 3846377.25	7.02E-05	2.22E-08	6.44E-09	7.57E-05	2.39E-08	6.95E-09	1.19E-04	3.77E-08	1.10E-08
3140	483863.09, 3846377.25	6.82E-05	2.15E-08	6.26E-09	7.36E-05	2.32E-08	6.75E-09	1.16E-04	3.66E-08	1.06E-08
3141	484363.09, 3846377.25	6.29E-05	1.98E-08	5.77E-09	6.78E-05	2.14E-08	6.22E-09	1.07E-04	3.38E-08	9.82E-09
3142	484863.09, 3846377.25	6.53E-05	2.06E-08	5.99E-09	7.04E-05	2.22E-08	6.46E-09	1.11E-04	3.50E-08	1.02E-08
3143	485363.09, 3846377.25	6.37E-05	2.01E-08	5.85E-09	6.87E-05	2.17E-08	6.31E-09	1.08E-04	3.42E-08	9.95E-09
3144	485863.09, 3846377.25	5.96E-05	1.88E-08	5.47E-09	6.43E-05	2.03E-08	5.90E-09	1.02E-04	3.21E-08	9.33E-09
3145	486363.09, 3846377.25	5.28E-05	1.67E-08	4.85E-09	5.70E-05	1.80E-08	5.23E-09	9.03E-05	2.85E-08	8.29E-09
3146	486863.09, 3846377.25	5.03E-05	1.59E-08	4.62E-09	5.43E-05	1.71E-08	4.98E-09	8.60E-05	2.71E-08	7.90E-09
3147	487363.09, 3846377.25	5.05E-05	1.60E-08	4.64E-09	5.45E-05	1.72E-08	5.01E-09	8.66E-05	2.73E-08	7.95E-09
3148	487863.09, 3846377.25	5.36E-05	1.69E-08	4.92E-09	5.79E-05	1.83E-08	5.31E-09	9.18E-05	2.90E-08	8.43E-09
3149	488363.09, 3846377.25	5.27E-05	1.66E-08	4.83E-09	5.68E-05	1.79E-08	5.22E-09	9.02E-05	2.85E-08	8.28E-09
3150	488863.09, 3846377.25	5.32E-05	1.68E-08	4.88E-09	5.74E-05	1.81E-08	5.27E-09	9.13E-05	2.88E-08	8.39E-09
3151	489363.09, 3846377.25	5.37E-05	1.70E-08	4.93E-09	5.80E-05	1.83E-08	5.33E-09	9.25E-05	2.92E-08	8.49E-09
3152	489863.09, 3846377.25	5.30E-05	1.67E-08	4.87E-09	5.73E-05	1.81E-08	5.26E-09	9.15E-05	2.89E-08	8.40E-09
3153	490363.09, 3846377.25	4.96E-05	1.57E-08	4.55E-09	5.36E-05	1.69E-08	4.92E-09	8.60E-05	2.71E-08	7.89E-09
3154	490863.09, 3846377.25	4.90E-05	1.55E-08	4.50E-09	5.30E-05	1.67E-08	4.86E-09	8.51E-05	2.69E-08	7.81E-09
3155	491363.09, 3846377.25	5.01E-05	1.58E-08	4.60E-09	5.42E-05	1.71E-08	4.98E-09	8.71E-05	2.75E-08	8.00E-09
3156	491863.09, 3846377.25	5.55E-05	1.75E-08	5.10E-09	6.00E-05	1.89E-08	5.51E-09	9.61E-05	3.03E-08	8.82E-09
3157	492363.09, 3846377.25	5.65E-05	1.78E-08	5.18E-09	6.10E-05	1.93E-08	5.60E-09	9.80E-05	3.09E-08	8.99E-09
3158	492863.09, 3846377.25	5.87E-05	1.85E-08	5.39E-09	6.35E-05	2.00E-08	5.83E-09	1.02E-04	3.21E-08	9.34E-09
3159	493363.09, 3846377.25	6.46E-05	2.04E-08	5.93E-09	6.99E-05	2.20E-08	6.41E-09	1.12E-04	3.53E-08	1.03E-08
3160	493863.09, 3846377.25	6.93E-05	2.19E-08	6.36E-09	7.49E-05	2.36E-08	6.87E-09	1.20E-04	3.78E-08	1.10E-08
3161	494363.09, 3846377.25	7.42E-05	2.34E-08	6.81E-09	8.02E-05	2.53E-08	7.36E-09	1.28E-04	4.05E-08	1.18E-08
3162	494863.09, 3846377.25	7.93E-05	2.50E-08	7.28E-09	8.57E-05	2.70E-08	7.86E-09	1.37E-04	4.32E-08	1.26E-08
3163	495363.09, 3846377.25	8.49E-05	2.68E-08	7.79E-09	9.17E-05	2.90E-08	8.42E-09	1.47E-04	4.63E-08	1.35E-08
3164	495863.09, 3846377.25	9.15E-05	2.89E-08	8.40E-09	9.89E-05	3.12E-08	9.08E-09	1.58E-04	4.99E-08	1.45E-08
3165	496363.09, 3846377.25	9.83E-05	3.10E-08	9.02E-09	1.06E-04	3.35E-08	9.75E-09	1.70E-04	5.36E-08	1.56E-08
3166	496863.09, 3846377.25	1.05E-04	3.31E-08	9.63E-09	1.13E-04	3.58E-08	1.04E-08	1.81E-04	5.72E-08	1.66E-08
3167	497363.09, 3846377.25	1.11E-04	3.51E-08	1.02E-08	1.20E-04	3.80E-08	1.10E-08	1.93E-04	6.08E-08	1.77E-08
3168	497863.09, 3846377.25	1.17E-04	3.69E-08	1.07E-08	1.26E-04	3.99E-08	1.16E-08	2.02E-04	6.38E-08	1.86E-08

3169	498363.09, 3846377.25	1.22E-04	3.85E-08	1.12E-08	1.32E-04	4.16E-08	1.21E-08	2.11E-04	6.65E-08	1.93E-08
3170	471363.09, 3846877.25	2.27E-04	7.15E-08	2.08E-08	2.44E-04	7.71E-08	2.24E-08	3.86E-04	1.22E-07	3.54E-08
3171	471863.09, 3846877.25	2.28E-04	7.20E-08	2.09E-08	2.46E-04	7.76E-08	2.26E-08	3.87E-04	1.22E-07	3.56E-08
3172	472363.09, 3846877.25	2.16E-04	6.81E-08	1.98E-08	2.33E-04	7.35E-08	2.14E-08	3.67E-04	1.16E-07	3.37E-08
3173	472863.09, 3846877.25	1.42E-04	4.47E-08	1.30E-08	1.53E-04	4.82E-08	1.40E-08	2.42E-04	7.64E-08	2.22E-08
3174	473363.09, 3846877.25	1.48E-04	4.69E-08	1.36E-08	1.60E-04	5.06E-08	1.47E-08	2.54E-04	8.00E-08	2.33E-08
3175	473863.09, 3846877.25	1.52E-04	4.80E-08	1.40E-08	1.64E-04	5.18E-08	1.51E-08	2.59E-04	8.19E-08	2.38E-08
3176	474363.09, 3846877.25	1.54E-04	4.87E-08	1.42E-08	1.66E-04	5.25E-08	1.53E-08	2.63E-04	8.29E-08	2.41E-08
3177	474863.09, 3846877.25	1.69E-04	5.35E-08	1.56E-08	1.83E-04	5.77E-08	1.68E-08	2.89E-04	9.11E-08	2.65E-08
3178	475363.09, 3846877.25	2.01E-04	6.36E-08	1.85E-08	2.17E-04	6.86E-08	2.00E-08	3.44E-04	1.08E-07	3.15E-08
3179	475863.09, 3846877.25	2.63E-04	8.31E-08	2.42E-08	2.84E-04	8.96E-08	2.61E-08	4.50E-04	1.42E-07	4.13E-08
3180	476363.09, 3846877.25	2.77E-04	8.76E-08	2.55E-08	2.99E-04	9.45E-08	2.75E-08	4.74E-04	1.50E-07	4.36E-08
3181	476863.09, 3846877.25	2.50E-04	7.90E-08	2.30E-08	2.70E-04	8.52E-08	2.48E-08	4.27E-04	1.35E-07	3.92E-08
3182	477363.09, 3846877.25	2.17E-04	6.84E-08	1.99E-08	2.34E-04	7.38E-08	2.15E-08	3.70E-04	1.17E-07	3.39E-08
3183	477863.09, 3846877.25	1.87E-04	5.91E-08	1.72E-08	2.02E-04	6.37E-08	1.85E-08	3.19E-04	1.01E-07	2.93E-08
3184	478363.09, 3846877.25	1.70E-04	5.36E-08	1.56E-08	1.83E-04	5.78E-08	1.68E-08	2.88E-04	9.09E-08	2.64E-08
3185	478863.09, 3846877.25	1.67E-04	5.28E-08	1.54E-08	1.80E-04	5.69E-08	1.66E-08	2.84E-04	8.95E-08	2.60E-08
3186	479363.09, 3846877.25	1.58E-04	4.99E-08	1.45E-08	1.70E-04	5.38E-08	1.56E-08	2.69E-04	8.48E-08	2.47E-08
3187	479863.09, 3846877.25	1.24E-04	3.91E-08	1.14E-08	1.34E-04	4.22E-08	1.23E-08	2.10E-04	6.63E-08	1.93E-08
3188	480363.09, 3846877.25	1.06E-04	3.35E-08	9.75E-09	1.14E-04	3.61E-08	1.05E-08	1.80E-04	5.69E-08	1.66E-08
3189	480863.09, 3846877.25	9.96E-05	3.15E-08	9.15E-09	1.07E-04	3.39E-08	9.87E-09	1.70E-04	5.35E-08	1.56E-08
3190	481363.09, 3846877.25	1.01E-04	3.18E-08	9.26E-09	1.09E-04	3.43E-08	9.98E-09	1.71E-04	5.40E-08	1.57E-08
3191	481863.09, 3846877.25	9.72E-05	3.07E-08	8.92E-09	1.05E-04	3.31E-08	9.62E-09	1.65E-04	5.21E-08	1.51E-08
3192	482363.09, 3846877.25	8.53E-05	2.69E-08	7.83E-09	9.20E-05	2.90E-08	8.44E-09	1.45E-04	4.58E-08	1.33E-08
3193	482863.09, 3846877.25	8.24E-05	2.60E-08	7.56E-09	8.88E-05	2.80E-08	8.15E-09	1.40E-04	4.41E-08	1.28E-08
3194	483363.09, 3846877.25	7.95E-05	2.51E-08	7.30E-09	8.57E-05	2.71E-08	7.87E-09	1.35E-04	4.26E-08	1.24E-08
3195	483863.09, 3846877.25	7.68E-05	2.43E-08	7.05E-09	8.29E-05	2.62E-08	7.61E-09	1.31E-04	4.12E-08	1.20E-08
3196	484363.09, 3846877.25	7.43E-05	2.35E-08	6.82E-09	8.01E-05	2.53E-08	7.35E-09	1.26E-04	3.98E-08	1.16E-08
3197	484863.09, 3846877.25	7.15E-05	2.26E-08	6.56E-09	7.71E-05	2.43E-08	7.08E-09	1.21E-04	3.83E-08	1.11E-08
3198	485363.09, 3846877.25	7.06E-05	2.23E-08	6.48E-09	7.62E-05	2.40E-08	6.99E-09	1.20E-04	3.79E-08	1.10E-08
3199	485863.09, 3846877.25	6.68E-05	2.11E-08	6.13E-09	7.20E-05	2.27E-08	6.61E-09	1.14E-04	3.60E-08	1.05E-08
3200	486363.09, 3846877.25	6.72E-05	2.12E-08	6.17E-09	7.25E-05	2.29E-08	6.66E-09	1.14E-04	3.61E-08	1.05E-08
3201	486863.09, 3846877.25	6.00E-05	1.89E-08	5.51E-09	6.48E-05	2.04E-08	5.94E-09	1.02E-04	3.23E-08	9.40E-09
3202	487363.09, 3846877.25	5.99E-05	1.89E-08	5.50E-09	6.46E-05	2.04E-08	5.93E-09	1.02E-04	3.23E-08	9.38E-09
3203	487863.09, 3846877.25	5.91E-05	1.87E-08	5.43E-09	6.38E-05	2.01E-08	5.86E-09	1.01E-04	3.19E-08	9.29E-09
3204	488363.09, 3846877.25	5.84E-05	1.84E-08	5.36E-09	6.31E-05	1.99E-08	5.79E-09	1.00E-04	3.16E-08	9.20E-09
3205	488863.09, 3846877.25	5.94E-05	1.87E-08	5.45E-09	6.41E-05	2.02E-08	5.88E-09	1.02E-04	3.22E-08	9.37E-09
3206	489363.09, 3846877.25	6.03E-05	1.90E-08	5.54E-09	6.52E-05	2.06E-08	5.98E-09	1.04E-04	3.28E-08	9.54E-09
3207	489863.09, 3846877.25	5.99E-05	1.89E-08	5.50E-09	6.47E-05	2.04E-08	5.94E-09	1.03E-04	3.26E-08	9.47E-09
3208	490363.09, 3846877.25	5.65E-05	1.78E-08	5.19E-09	6.11E-05	1.93E-08	5.61E-09	9.77E-05	3.08E-08	8.97E-09
3209	490863.09, 3846877.25	5.72E-05	1.81E-08	5.25E-09	6.18E-05	1.95E-08	5.67E-09	9.90E-05	3.12E-08	9.09E-09
3210	491363.09, 3846877.25	5.87E-05	1.85E-08	5.39E-09	6.35E-05	2.00E-08	5.83E-09	1.02E-04	3.21E-08	9.34E-09
3211	491863.09, 3846877.25	5.90E-05	1.86E-08	5.42E-09	6.38E-05	2.01E-08	5.85E-09	1.02E-04	3.23E-08	9.39E-09
3212	492363.09, 3846877.25	6.59E-05	2.08E-08	6.05E-09	7.12E-05	2.25E-08	6.54E-09	1.14E-04	3.60E-08	1.05E-08
3213	492863.09, 3846877.25	6.93E-05	2.19E-08	6.36E-09	7.49E-05	2.36E-08	6.87E-09	1.20E-04	3.78E-08	1.10E-08
3214	493363.09, 3846877.25	7.46E-05	2.36E-08	6.85E-09	8.06E-05	2.55E-08	7.40E-09	1.29E-04	4.07E-08	1.18E-08
3215	493863.09, 3846877.25	7.95E-05	2.51E-08	7.30E-09	8.60E-05	2.71E-08	7.89E-09	1.38E-04	4.34E-08	1.26E-08
3216	494363.09, 3846877.25	8.45E-05	2.67E-08	7.75E-09	9.13E-05	2.88E-08	8.38E-09	1.46E-04	4.61E-08	1.34E-08
3217	494863.09, 3846877.25	9.02E-05	2.85E-08	8.28E-09	9.75E-05	3.08E-08	8.95E-09	1.56E-04	4.93E-08	1.43E-08
3218	495363.09, 3846877.25	9.63E-05	3.04E-08	8.84E-09	1.04E-04	3.28E-08	9.55E-09	1.67E-04	5.26E-08	1.53E-08
3219	495863.09, 3846877.25	1.02E-04	3.23E-08	9.41E-09	1.11E-04	3.49E-08	1.02E-08	1.77E-04	5.60E-08	1.63E-08
3220	496363.09, 3846877.25	1.09E-04	3.45E-08	1.00E-08	1.18E-04	3.72E-08	1.08E-08	1.89E-04	5.96E-08	1.73E-08
3221	496863.09, 3846877.25	1.18E-04	3.71E-08	1.08E-08	1.27E-04	4.01E-08	1.17E-08	2.03E-04	6.41E-08	1.87E-08
3222	497363.09, 3846877.25	1.28E-04	4.03E-08	1.17E-08	1.38E-04	4.35E-08	1.27E-08	2.21E-04	6.96E-08	2.02E-08
3223	497863.09, 3846877.25	1.37E-04	4.32E-08	1.26E-08	1.48E-04	4.66E-08	1.36E-08	2.36E-04	7.46E-08	2.17E-08
3224	498363.09, 3846877.25	1.42E-04	4.48E-08	1.30E-08	1.53E-04	4.84E-08	1.41E-08	2.45E-04	7.73E-08	2.25E-08
3225	471363.09, 3847377.25	2.46E-04	7.78E-08	2.26E-08	2.66E-04	8.39E-08	2.44E-08	4.21E-04	1.33E-07	3.86E-08
3226	471863.09, 3847377.25	2.49E-04	7.85E-08	2.28E-08	2.68E-04	8.46E-08	2.46E-08	4.24E-04	1.34E-07	3.89E-08
3227	472363.09, 3847377.25	2.50E-04	7.89E-08	2.29E-08	2.70E-04	8.51E-08	2.47E-08	4.25E-04	1.34E-07	3.90E-08
3228	472863.09, 3847377.25	2.39E-04	7.55E-08	2.20E-08	2.58E-04	8.14E-08	2.37E-08	4.07E-04	1.28E-07	3.73E-08
3229	473363.09, 3847377.25	1.89E-04	5.98E-08	1.74E-08	2.04E-04	6.45E-08	1.88E-08	3.23E-04	1.02E-07	2.97E-08

3230	473863.09, 3847377.25	1.82E-04	5.74E-08	1.67E-08	1.96E-04	6.19E-08	1.80E-08	3.10E-04	9.78E-08	2.85E-08
3231	474363.09, 3847377.25	1.81E-04	5.70E-08	1.66E-08	1.95E-04	6.15E-08	1.79E-08	3.08E-04	9.71E-08	2.82E-08
3232	474863.09, 3847377.25	1.73E-04	5.45E-08	1.59E-08	1.86E-04	5.88E-08	1.71E-08	2.94E-04	9.28E-08	2.70E-08
3233	475363.09, 3847377.25	1.80E-04	5.68E-08	1.65E-08	1.94E-04	6.13E-08	1.78E-08	3.07E-04	9.68E-08	2.82E-08
3234	475863.09, 3847377.25	2.42E-04	7.64E-08	2.22E-08	2.61E-04	8.24E-08	2.40E-08	4.13E-04	1.30E-07	3.79E-08
3235	476363.09, 3847377.25	3.23E-04	1.02E-07	2.97E-08	3.49E-04	1.10E-07	3.20E-08	5.53E-04	1.74E-07	5.07E-08
3236	476863.09, 3847377.25	3.10E-04	9.78E-08	2.85E-08	3.34E-04	1.06E-07	3.07E-08	5.30E-04	1.67E-07	4.87E-08
3237	477363.09, 3847377.25	2.81E-04	8.88E-08	2.58E-08	3.04E-04	9.58E-08	2.79E-08	4.80E-04	1.52E-07	4.41E-08
3238	477863.09, 3847377.25	2.38E-04	7.52E-08	2.19E-08	2.57E-04	8.12E-08	2.36E-08	4.07E-04	1.28E-07	3.73E-08
3239	478363.09, 3847377.25	2.11E-04	6.66E-08	1.94E-08	2.28E-04	7.18E-08	2.09E-08	3.59E-04	1.13E-07	3.29E-08
3240	478863.09, 3847377.25	1.99E-04	6.27E-08	1.82E-08	2.14E-04	6.76E-08	1.97E-08	3.37E-04	1.06E-07	3.09E-08
3241	479363.09, 3847377.25	1.62E-04	5.12E-08	1.49E-08	1.75E-04	5.52E-08	1.61E-08	2.75E-04	8.69E-08	2.53E-08
3242	479863.09, 3847377.25	1.20E-04	3.80E-08	1.11E-08	1.30E-04	4.10E-08	1.19E-08	2.05E-04	6.46E-08	1.88E-08
3243	480363.09, 3847377.25	9.16E-05	2.89E-08	8.41E-09	9.88E-05	3.12E-08	9.07E-09	1.56E-04	4.93E-08	1.43E-08
3244	480863.09, 3847377.25	8.39E-05	2.65E-08	7.71E-09	9.06E-05	2.86E-08	8.32E-09	1.43E-04	4.53E-08	1.32E-08
3245	481363.09, 3847377.25	9.05E-05	2.86E-08	8.31E-09	9.76E-05	3.08E-08	8.96E-09	1.54E-04	4.86E-08	1.42E-08
3246	481863.09, 3847377.25	1.06E-04	3.36E-08	9.76E-09	1.15E-04	3.62E-08	1.05E-08	1.80E-04	5.70E-08	1.66E-08
3247	482363.09, 3847377.25	1.02E-04	3.20E-08	9.32E-09	1.09E-04	3.45E-08	1.00E-08	1.72E-04	5.44E-08	1.58E-08
3248	482863.09, 3847377.25	9.51E-05	3.00E-08	8.73E-09	1.02E-04	3.23E-08	9.41E-09	1.61E-04	5.08E-08	1.48E-08
3249	483363.09, 3847377.25	8.97E-05	2.83E-08	8.23E-09	9.67E-05	3.05E-08	8.88E-09	1.52E-04	4.81E-08	1.40E-08
3250	483863.09, 3847377.25	8.63E-05	2.72E-08	7.92E-09	9.30E-05	2.94E-08	8.54E-09	1.47E-04	4.63E-08	1.35E-08
3251	484363.09, 3847377.25	8.69E-05	2.74E-08	7.97E-09	9.36E-05	2.96E-08	8.60E-09	1.47E-04	4.65E-08	1.35E-08
3252	484863.09, 3847377.25	8.24E-05	2.60E-08	7.56E-09	8.88E-05	2.80E-08	8.15E-09	1.40E-04	4.41E-08	1.28E-08
3253	485363.09, 3847377.25	8.01E-05	2.53E-08	7.35E-09	8.63E-05	2.73E-08	7.93E-09	1.36E-04	4.30E-08	1.25E-08
3254	485863.09, 3847377.25	7.88E-05	2.49E-08	7.23E-09	8.50E-05	2.68E-08	7.80E-09	1.34E-04	4.23E-08	1.23E-08
3255	486363.09, 3847377.25	7.73E-05	2.44E-08	7.09E-09	8.33E-05	2.63E-08	7.65E-09	1.31E-04	4.14E-08	1.21E-08
3256	486863.09, 3847377.25	7.05E-05	2.22E-08	6.47E-09	7.60E-05	2.40E-08	6.98E-09	1.20E-04	3.79E-08	1.10E-08
3257	487363.09, 3847377.25	6.99E-05	2.21E-08	6.42E-09	7.54E-05	2.38E-08	6.92E-09	1.19E-04	3.76E-08	1.09E-08
3258	487863.09, 3847377.25	6.65E-05	2.10E-08	6.10E-09	7.17E-05	2.26E-08	6.58E-09	1.14E-04	3.59E-08	1.04E-08
3259	488363.09, 3847377.25	6.60E-05	2.08E-08	6.06E-09	7.13E-05	2.25E-08	6.54E-09	1.13E-04	3.57E-08	1.04E-08
3260	488863.09, 3847377.25	6.70E-05	2.11E-08	6.15E-09	7.23E-05	2.28E-08	6.64E-09	1.15E-04	3.63E-08	1.06E-08
3261	489363.09, 3847377.25	6.83E-05	2.15E-08	6.27E-09	7.37E-05	2.33E-08	6.77E-09	1.17E-04	3.70E-08	1.08E-08
3262	489863.09, 3847377.25	6.74E-05	2.13E-08	6.19E-09	7.28E-05	2.30E-08	6.68E-09	1.16E-04	3.66E-08	1.07E-08
3263	490363.09, 3847377.25	6.66E-05	2.10E-08	6.12E-09	7.20E-05	2.27E-08	6.61E-09	1.15E-04	3.63E-08	1.06E-08
3264	490863.09, 3847377.25	6.82E-05	2.15E-08	6.26E-09	7.37E-05	2.32E-08	6.76E-09	1.18E-04	3.72E-08	1.08E-08
3265	491363.09, 3847377.25	6.93E-05	2.19E-08	6.36E-09	7.49E-05	2.36E-08	6.87E-09	1.20E-04	3.78E-08	1.10E-08
3266	491863.09, 3847377.25	7.48E-05	2.36E-08	6.87E-09	8.08E-05	2.55E-08	7.42E-09	1.29E-04	4.08E-08	1.19E-08
3267	492363.09, 3847377.25	7.67E-05	2.42E-08	7.05E-09	8.29E-05	2.62E-08	7.61E-09	1.33E-04	4.19E-08	1.22E-08
3268	492863.09, 3847377.25	8.23E-05	2.60E-08	7.56E-09	8.90E-05	2.81E-08	8.17E-09	1.42E-04	4.50E-08	1.31E-08
3269	493363.09, 3847377.25	8.73E-05	2.75E-08	8.01E-09	9.43E-05	2.98E-08	8.66E-09	1.51E-04	4.77E-08	1.39E-08
3270	493863.09, 3847377.25	9.05E-05	2.86E-08	8.31E-09	9.78E-05	3.09E-08	8.98E-09	1.57E-04	4.94E-08	1.44E-08
3271	494363.09, 3847377.25	9.42E-05	2.97E-08	8.64E-09	1.02E-04	3.21E-08	9.34E-09	1.63E-04	5.15E-08	1.50E-08
3272	494863.09, 3847377.25	9.99E-05	3.15E-08	9.17E-09	1.08E-04	3.41E-08	9.91E-09	1.73E-04	5.46E-08	1.59E-08
3273	495363.09, 3847377.25	1.05E-04	3.32E-08	9.66E-09	1.14E-04	3.59E-08	1.04E-08	1.82E-04	5.75E-08	1.67E-08
3274	495863.09, 3847377.25	1.12E-04	3.54E-08	1.03E-08	1.21E-04	3.83E-08	1.11E-08	1.94E-04	6.14E-08	1.78E-08
3275	496363.09, 3847377.25	1.19E-04	3.76E-08	1.09E-08	1.29E-04	4.06E-08	1.18E-08	2.06E-04	6.50E-08	1.89E-08
3276	496863.09, 3847377.25	1.30E-04	4.10E-08	1.19E-08	1.40E-04	4.43E-08	1.29E-08	2.25E-04	7.09E-08	2.06E-08
3277	497363.09, 3847377.25	1.43E-04	4.52E-08	1.32E-08	1.55E-04	4.89E-08	1.42E-08	2.48E-04	7.81E-08	2.27E-08
3278	497863.09, 3847377.25	1.59E-04	5.01E-08	1.46E-08	1.72E-04	5.41E-08	1.57E-08	2.74E-04	8.65E-08	2.52E-08
3279	498363.09, 3847377.25	1.67E-04	5.28E-08	1.54E-08	1.81E-04	5.71E-08	1.66E-08	2.89E-04	9.12E-08	2.65E-08
3280	471363.09, 3847877.25	2.68E-04	8.45E-08	2.46E-08	2.89E-04	9.12E-08	2.65E-08	4.58E-04	1.45E-07	4.20E-08
3281	471863.09, 3847877.25	2.73E-04	8.63E-08	2.51E-08	2.95E-04	9.31E-08	2.71E-08	4.67E-04	1.47E-07	4.28E-08
3282	472363.09, 3847877.25	2.75E-04	8.69E-08	2.53E-08	2.97E-04	9.38E-08	2.73E-08	4.70E-04	1.48E-07	4.31E-08
3283	472863.09, 3847877.25	2.76E-04	8.71E-08	2.53E-08	2.98E-04	9.39E-08	2.73E-08	4.70E-04	1.48E-07	4.31E-08
3284	473363.09, 3847877.25	2.77E-04	8.75E-08	2.55E-08	2.99E-04	9.44E-08	2.75E-08	4.71E-04	1.49E-07	4.33E-08
3285	473863.09, 3847877.25	2.60E-04	8.21E-08	2.39E-08	2.80E-04	8.85E-08	2.58E-08	4.42E-04	1.40E-07	4.06E-08
3286	474363.09, 3847877.25	2.13E-04	6.72E-08	1.95E-08	2.30E-04	7.24E-08	2.11E-08	3.63E-04	1.14E-07	3.33E-08
3287	474863.09, 3847877.25	2.12E-04	6.68E-08	1.94E-08	2.28E-04	7.20E-08	2.09E-08	3.60E-04	1.14E-07	3.31E-08
3288	475363.09, 3847877.25	1.93E-04	6.10E-08	1.78E-08	2.09E-04	6.58E-08	1.91E-08	3.29E-04	1.04E-07	3.02E-08
3289	475863.09, 3847877.25	1.98E-04	6.26E-08	1.82E-08	2.14E-04	6.75E-08	1.96E-08	3.38E-04	1.07E-07	3.10E-08
3290	476363.09, 3847877.25	2.99E-04	9.43E-08	2.74E-08	3.22E-04	1.02E-07	2.96E-08	5.09E-04	1.61E-07	4.68E-08

3291	476863.09, 3847877.25	3.64E-04	1.15E-07	3.34E-08	3.93E-04	1.24E-07	3.61E-08	6.22E-04	1.96E-07	5.71E-08
3292	477363.09, 3847877.25	3.61E-04	1.14E-07	3.31E-08	3.89E-04	1.23E-07	3.57E-08	6.16E-04	1.95E-07	5.66E-08
3293	477863.09, 3847877.25	3.15E-04	9.94E-08	2.89E-08	3.40E-04	1.07E-07	3.12E-08	5.37E-04	1.70E-07	4.93E-08
3294	478363.09, 3847877.25	2.69E-04	8.49E-08	2.47E-08	2.90E-04	9.16E-08	2.67E-08	4.59E-04	1.45E-07	4.21E-08
3295	478863.09, 3847877.25	2.33E-04	7.36E-08	2.14E-08	2.51E-04	7.94E-08	2.31E-08	3.96E-04	1.25E-07	3.63E-08
3296	479363.09, 3847877.25	1.63E-04	5.16E-08	1.50E-08	1.76E-04	5.56E-08	1.62E-08	2.78E-04	8.78E-08	2.55E-08
3297	479863.09, 3847877.25	1.05E-04	3.32E-08	9.66E-09	1.14E-04	3.58E-08	1.04E-08	1.80E-04	5.67E-08	1.65E-08
3298	480363.09, 3847877.25	1.07E-04	3.38E-08	9.83E-09	1.16E-04	3.65E-08	1.06E-08	1.82E-04	5.76E-08	1.68E-08
3299	480863.09, 3847877.25	9.71E-05	3.06E-08	8.91E-09	1.05E-04	3.31E-08	9.61E-09	1.66E-04	5.22E-08	1.52E-08
3300	481363.09, 3847877.25	9.84E-05	3.10E-08	9.03E-09	1.06E-04	3.35E-08	9.74E-09	1.68E-04	5.29E-08	1.54E-08
3301	481863.09, 3847877.25	1.23E-04	3.88E-08	1.13E-08	1.33E-04	4.18E-08	1.22E-08	2.09E-04	6.58E-08	1.91E-08
3302	482363.09, 3847877.25	1.16E-04	3.68E-08	1.07E-08	1.26E-04	3.96E-08	1.15E-08	1.98E-04	6.24E-08	1.82E-08
3303	482863.09, 3847877.25	1.07E-04	3.37E-08	9.80E-09	1.15E-04	3.63E-08	1.06E-08	1.81E-04	5.71E-08	1.66E-08
3304	483363.09, 3847877.25	1.01E-04	3.20E-08	9.31E-09	1.09E-04	3.45E-08	1.00E-08	1.72E-04	5.43E-08	1.58E-08
3305	483863.09, 3847877.25	9.90E-05	3.12E-08	9.09E-09	1.07E-04	3.37E-08	9.80E-09	1.68E-04	5.30E-08	1.54E-08
3306	484363.09, 3847877.25	9.85E-05	3.11E-08	9.04E-09	1.06E-04	3.35E-08	9.74E-09	1.67E-04	5.27E-08	1.53E-08
3307	484863.09, 3847877.25	9.52E-05	3.00E-08	8.74E-09	1.03E-04	3.24E-08	9.42E-09	1.62E-04	5.10E-08	1.48E-08
3308	485363.09, 3847877.25	9.38E-05	2.96E-08	8.61E-09	1.01E-04	3.19E-08	9.28E-09	1.59E-04	5.02E-08	1.46E-08
3309	485863.09, 3847877.25	9.24E-05	2.92E-08	8.48E-09	9.96E-05	3.14E-08	9.14E-09	1.57E-04	4.94E-08	1.44E-08
3310	486363.09, 3847877.25	8.63E-05	2.72E-08	7.92E-09	9.30E-05	2.94E-08	8.54E-09	1.47E-04	4.63E-08	1.35E-08
3311	486863.09, 3847877.25	8.15E-05	2.57E-08	7.48E-09	8.79E-05	2.77E-08	8.07E-09	1.39E-04	4.37E-08	1.27E-08
3312	487363.09, 3847877.25	7.91E-05	2.50E-08	7.26E-09	8.53E-05	2.69E-08	7.83E-09	1.35E-04	4.25E-08	1.24E-08
3313	487863.09, 3847877.25	7.60E-05	2.40E-08	6.98E-09	8.21E-05	2.59E-08	7.53E-09	1.30E-04	4.11E-08	1.19E-08
3314	488363.09, 3847877.25	7.60E-05	2.40E-08	6.98E-09	8.20E-05	2.59E-08	7.53E-09	1.30E-04	4.11E-08	1.20E-08
3315	488863.09, 3847877.25	7.73E-05	2.44E-08	7.09E-09	8.34E-05	2.63E-08	7.66E-09	1.33E-04	4.18E-08	1.22E-08
3316	489363.09, 3847877.25	7.92E-05	2.50E-08	7.28E-09	8.56E-05	2.70E-08	7.85E-09	1.36E-04	4.29E-08	1.25E-08
3317	489863.09, 3847877.25	8.33E-05	2.63E-08	7.65E-09	9.00E-05	2.84E-08	8.26E-09	1.43E-04	4.52E-08	1.31E-08
3318	490363.09, 3847877.25	8.50E-05	2.68E-08	7.80E-09	9.18E-05	2.90E-08	8.42E-09	1.46E-04	4.62E-08	1.34E-08
3319	490863.09, 3847877.25	8.54E-05	2.69E-08	7.84E-09	9.22E-05	2.91E-08	8.47E-09	1.47E-04	4.64E-08	1.35E-08
3320	491363.09, 3847877.25	8.45E-05	2.67E-08	7.76E-09	9.13E-05	2.88E-08	8.38E-09	1.46E-04	4.60E-08	1.34E-08
3321	491863.09, 3847877.25	8.77E-05	2.77E-08	8.05E-09	9.48E-05	2.99E-08	8.70E-09	1.51E-04	4.78E-08	1.39E-08
3322	492363.09, 3847877.25	9.25E-05	2.92E-08	8.49E-09	9.99E-05	3.15E-08	9.17E-09	1.60E-04	5.04E-08	1.47E-08
3323	492863.09, 3847877.25	9.68E-05	3.06E-08	8.89E-09	1.05E-04	3.30E-08	9.61E-09	1.67E-04	5.29E-08	1.54E-08
3324	493363.09, 3847877.25	9.78E-05	3.09E-08	8.98E-09	1.06E-04	3.34E-08	9.70E-09	1.69E-04	5.35E-08	1.55E-08
3325	493863.09, 3847877.25	1.01E-04	3.18E-08	9.24E-09	1.09E-04	3.43E-08	9.98E-09	1.74E-04	5.50E-08	1.60E-08
3326	494363.09, 3847877.25	1.06E-04	3.33E-08	9.69E-09	1.14E-04	3.60E-08	1.05E-08	1.83E-04	5.77E-08	1.68E-08
3327	494863.09, 3847877.25	1.12E-04	3.53E-08	1.03E-08	1.21E-04	3.81E-08	1.11E-08	1.94E-04	6.11E-08	1.78E-08
3328	495363.09, 3847877.25	1.16E-04	3.65E-08	1.06E-08	1.25E-04	3.95E-08	1.15E-08	2.01E-04	6.33E-08	1.84E-08
3329	495863.09, 3847877.25	1.12E-04	3.53E-08	1.03E-08	1.21E-04	3.82E-08	1.11E-08	1.94E-04	6.12E-08	1.78E-08
3330	496363.09, 3847877.25	1.31E-04	4.14E-08	1.20E-08	1.42E-04	4.47E-08	1.30E-08	2.27E-04	7.17E-08	2.08E-08
3331	496863.09, 3847877.25	1.42E-04	4.49E-08	1.30E-08	1.54E-04	4.85E-08	1.41E-08	2.46E-04	7.76E-08	2.26E-08
3332	497363.09, 3847877.25	1.57E-04	4.97E-08	1.45E-08	1.70E-04	5.37E-08	1.56E-08	2.72E-04	8.59E-08	2.50E-08
3333	497863.09, 3847877.25	1.83E-04	5.79E-08	1.68E-08	1.98E-04	6.25E-08	1.82E-08	3.17E-04	1.00E-07	2.91E-08
3334	498363.09, 3847877.25	1.98E-04	6.26E-08	1.82E-08	2.14E-04	6.76E-08	1.97E-08	3.43E-04	1.08E-07	3.14E-08
3335	471363.09, 3848377.25	2.87E-04	9.04E-08	2.63E-08	3.09E-04	9.76E-08	2.84E-08	4.90E-04	1.55E-07	4.50E-08
3336	471863.09, 3848377.25	2.94E-04	9.29E-08	2.70E-08	3.17E-04	1.00E-07	2.91E-08	5.03E-04	1.59E-07	4.62E-08
3337	472363.09, 3848377.25	2.99E-04	9.43E-08	2.74E-08	3.22E-04	1.02E-07	2.96E-08	5.11E-04	1.61E-07	4.69E-08
3338	472863.09, 3848377.25	3.04E-04	9.60E-08	2.79E-08	3.28E-04	1.04E-07	3.01E-08	5.19E-04	1.64E-07	4.76E-08
3339	473363.09, 3848377.25	3.05E-04	9.63E-08	2.80E-08	3.29E-04	1.04E-07	3.02E-08	5.20E-04	1.64E-07	4.78E-08
3340	473863.09, 3848377.25	3.07E-04	9.69E-08	2.82E-08	3.31E-04	1.04E-07	3.04E-08	5.22E-04	1.65E-07	4.79E-08
3341	474363.09, 3848377.25	2.96E-04	9.35E-08	2.72E-08	3.20E-04	1.01E-07	2.93E-08	5.04E-04	1.59E-07	4.63E-08
3342	474863.09, 3848377.25	2.54E-04	8.00E-08	2.33E-08	2.73E-04	8.63E-08	2.51E-08	4.32E-04	1.36E-07	3.96E-08
3343	475363.09, 3848377.25	2.59E-04	8.18E-08	2.38E-08	2.80E-04	8.82E-08	2.57E-08	4.41E-04	1.39E-07	4.05E-08
3344	475863.09, 3848377.25	2.27E-04	7.15E-08	2.08E-08	2.44E-04	7.72E-08	2.24E-08	3.85E-04	1.22E-07	3.54E-08
3345	476363.09, 3848377.25	2.22E-04	7.02E-08	2.04E-08	2.40E-04	7.57E-08	2.20E-08	3.79E-04	1.19E-07	3.47E-08
3346	476863.09, 3848377.25	3.54E-04	1.12E-07	3.25E-08	3.82E-04	1.21E-07	3.51E-08	6.03E-04	1.90E-07	5.54E-08
3347	477363.09, 3848377.25	4.05E-04	1.28E-07	3.72E-08	4.37E-04	1.38E-07	4.01E-08	6.92E-04	2.19E-07	6.36E-08
3348	477863.09, 3848377.25	4.06E-04	1.28E-07	3.72E-08	4.38E-04	1.38E-07	4.02E-08	6.93E-04	2.19E-07	6.37E-08
3349	478363.09, 3848377.25	3.44E-04	1.09E-07	3.16E-08	3.71E-04	1.17E-07	3.41E-08	5.87E-04	1.85E-07	5.39E-08
3350	478863.09, 3848377.25	2.79E-04	8.80E-08	2.56E-08	3.01E-04	9.49E-08	2.76E-08	4.75E-04	1.50E-07	4.36E-08
3351	479363.09, 3848377.25	1.92E-04	6.05E-08	1.76E-08	2.07E-04	6.53E-08	1.90E-08	3.26E-04	1.03E-07	3.00E-08

3352	479863.09, 3848377.25	8.59E-05	2.71E-08	7.89E-09	9.28E-05	2.93E-08	8.52E-09	1.48E-04	4.67E-08	1.36E-08
3353	480363.09, 3848377.25	1.10E-04	3.47E-08	1.01E-08	1.19E-04	3.75E-08	1.09E-08	1.88E-04	5.93E-08	1.72E-08
3354	480863.09, 3848377.25	1.40E-04	4.43E-08	1.29E-08	1.51E-04	4.78E-08	1.39E-08	2.39E-04	7.53E-08	2.19E-08
3355	481363.09, 3848377.25	1.40E-04	4.43E-08	1.29E-08	1.51E-04	4.77E-08	1.39E-08	2.38E-04	7.52E-08	2.19E-08
3356	481863.09, 3848377.25	1.44E-04	4.53E-08	1.32E-08	1.55E-04	4.89E-08	1.42E-08	2.44E-04	7.69E-08	2.24E-08
3357	482363.09, 3848377.25	1.43E-04	4.50E-08	1.31E-08	1.54E-04	4.86E-08	1.41E-08	2.42E-04	7.65E-08	2.22E-08
3358	482863.09, 3848377.25	1.25E-04	3.93E-08	1.14E-08	1.34E-04	4.24E-08	1.23E-08	2.11E-04	6.66E-08	1.94E-08
3359	483363.09, 3848377.25	1.20E-04	3.78E-08	1.10E-08	1.29E-04	4.08E-08	1.19E-08	2.03E-04	6.41E-08	1.86E-08
3360	483863.09, 3848377.25	1.11E-04	3.50E-08	1.02E-08	1.20E-04	3.77E-08	1.10E-08	1.88E-04	5.93E-08	1.73E-08
3361	484363.09, 3848377.25	1.07E-04	3.38E-08	9.84E-09	1.16E-04	3.65E-08	1.06E-08	1.82E-04	5.73E-08	1.67E-08
3362	484863.09, 3848377.25	1.13E-04	3.56E-08	1.03E-08	1.21E-04	3.83E-08	1.12E-08	1.91E-04	6.03E-08	1.75E-08
3363	485363.09, 3848377.25	1.08E-04	3.42E-08	9.96E-09	1.17E-04	3.69E-08	1.07E-08	1.84E-04	5.80E-08	1.69E-08
3364	485863.09, 3848377.25	1.06E-04	3.33E-08	9.70E-09	1.14E-04	3.59E-08	1.05E-08	1.79E-04	5.66E-08	1.64E-08
3365	486363.09, 3848377.25	1.00E-04	3.16E-08	9.18E-09	1.08E-04	3.40E-08	9.90E-09	1.70E-04	5.35E-08	1.56E-08
3366	486863.09, 3848377.25	9.36E-05	2.95E-08	8.59E-09	1.01E-04	3.19E-08	9.27E-09	1.59E-04	5.02E-08	1.46E-08
3367	487363.09, 3848377.25	8.78E-05	2.77E-08	8.06E-09	9.47E-05	2.99E-08	8.69E-09	1.50E-04	4.72E-08	1.37E-08
3368	487863.09, 3848377.25	8.79E-05	2.77E-08	8.07E-09	9.48E-05	2.99E-08	8.70E-09	1.50E-04	4.74E-08	1.38E-08
3369	488363.09, 3848377.25	8.84E-05	2.79E-08	8.12E-09	9.54E-05	3.01E-08	8.76E-09	1.51E-04	4.78E-08	1.39E-08
3370	488863.09, 3848377.25	9.04E-05	2.85E-08	8.30E-09	9.76E-05	3.08E-08	8.96E-09	1.55E-04	4.89E-08	1.42E-08
3371	489363.09, 3848377.25	9.34E-05	2.95E-08	8.57E-09	1.01E-04	3.18E-08	9.25E-09	1.60E-04	5.05E-08	1.47E-08
3372	489863.09, 3848377.25	1.00E-04	3.15E-08	9.18E-09	1.08E-04	3.41E-08	9.91E-09	1.71E-04	5.41E-08	1.57E-08
3373	490363.09, 3848377.25	1.01E-04	3.20E-08	9.30E-09	1.09E-04	3.45E-08	1.00E-08	1.74E-04	5.49E-08	1.60E-08
3374	490863.09, 3848377.25	1.00E-04	3.17E-08	9.22E-09	1.08E-04	3.42E-08	9.96E-09	1.73E-04	5.46E-08	1.59E-08
3375	491363.09, 3848377.25	1.03E-04	3.24E-08	9.41E-09	1.11E-04	3.50E-08	1.02E-08	1.77E-04	5.58E-08	1.62E-08
3376	491863.09, 3848377.25	1.06E-04	3.33E-08	9.69E-09	1.14E-04	3.60E-08	1.05E-08	1.82E-04	5.75E-08	1.67E-08
3377	492363.09, 3848377.25	1.06E-04	3.34E-08	9.73E-09	1.15E-04	3.61E-08	1.05E-08	1.83E-04	5.78E-08	1.68E-08
3378	492863.09, 3848377.25	1.06E-04	3.34E-08	9.70E-09	1.14E-04	3.60E-08	1.05E-08	1.83E-04	5.77E-08	1.68E-08
3379	493363.09, 3848377.25	1.09E-04	3.45E-08	1.00E-08	1.18E-04	3.73E-08	1.09E-08	1.90E-04	5.99E-08	1.74E-08
3380	493863.09, 3848377.25	1.14E-04	3.60E-08	1.05E-08	1.23E-04	3.89E-08	1.13E-08	1.98E-04	6.24E-08	1.81E-08
3381	494363.09, 3848377.25	1.18E-04	3.72E-08	1.08E-08	1.27E-04	4.02E-08	1.17E-08	2.04E-04	6.44E-08	1.87E-08
3382	494863.09, 3848377.25	1.25E-04	3.96E-08	1.15E-08	1.36E-04	4.28E-08	1.25E-08	2.18E-04	6.87E-08	2.00E-08
3383	495363.09, 3848377.25	1.25E-04	3.96E-08	1.15E-08	1.35E-04	4.28E-08	1.24E-08	2.17E-04	6.86E-08	2.00E-08
3384	495863.09, 3848377.25	1.31E-04	4.12E-08	1.20E-08	1.41E-04	4.46E-08	1.30E-08	2.27E-04	7.15E-08	2.08E-08
3385	496363.09, 3848377.25	1.44E-04	4.54E-08	1.32E-08	1.55E-04	4.90E-08	1.43E-08	2.49E-04	7.86E-08	2.29E-08
3386	496863.09, 3848377.25	1.48E-04	4.67E-08	1.36E-08	1.60E-04	5.04E-08	1.47E-08	2.56E-04	8.08E-08	2.35E-08
3387	497363.09, 3848377.25	1.68E-04	5.30E-08	1.54E-08	1.81E-04	5.72E-08	1.66E-08	2.91E-04	9.17E-08	2.67E-08
3388	497863.09, 3848377.25	2.20E-04	6.94E-08	2.02E-08	2.37E-04	7.49E-08	2.18E-08	3.80E-04	1.20E-07	3.49E-08
3389	498363.09, 3848377.25	2.32E-04	7.33E-08	2.13E-08	2.51E-04	7.92E-08	2.30E-08	4.01E-04	1.27E-07	3.68E-08
3390	471363.09, 3848877.25	2.88E-04	9.10E-08	2.65E-08	3.11E-04	9.82E-08	2.86E-08	4.92E-04	1.55E-07	4.52E-08
3391	471863.09, 3848877.25	3.09E-04	9.74E-08	2.83E-08	3.33E-04	1.05E-07	3.06E-08	5.27E-04	1.66E-07	4.84E-08
3392	472363.09, 3848877.25	3.22E-04	1.02E-07	2.96E-08	3.48E-04	1.10E-07	3.19E-08	5.51E-04	1.74E-07	5.06E-08
3393	472863.09, 3848877.25	3.31E-04	1.05E-07	3.04E-08	3.57E-04	1.13E-07	3.28E-08	5.66E-04	1.79E-07	5.20E-08
3394	473363.09, 3848877.25	3.40E-04	1.07E-07	3.12E-08	3.66E-04	1.16E-07	3.36E-08	5.80E-04	1.83E-07	5.33E-08
3395	473863.09, 3848877.25	3.42E-04	1.08E-07	3.14E-08	3.69E-04	1.16E-07	3.39E-08	5.84E-04	1.84E-07	5.36E-08
3396	474363.09, 3848877.25	3.46E-04	1.09E-07	3.18E-08	3.73E-04	1.18E-07	3.43E-08	5.89E-04	1.86E-07	5.41E-08
3397	474863.09, 3848877.25	3.27E-04	1.03E-07	3.00E-08	3.53E-04	1.11E-07	3.24E-08	5.56E-04	1.76E-07	5.11E-08
3398	475363.09, 3848877.25	3.11E-04	9.82E-08	2.86E-08	3.36E-04	1.06E-07	3.08E-08	5.29E-04	1.67E-07	4.86E-08
3399	475863.09, 3848877.25	3.07E-04	9.68E-08	2.82E-08	3.31E-04	1.04E-07	3.04E-08	5.21E-04	1.65E-07	4.79E-08
3400	476363.09, 3848877.25	2.77E-04	8.73E-08	2.54E-08	2.98E-04	9.41E-08	2.74E-08	4.70E-04	1.48E-07	4.31E-08
3401	476863.09, 3848877.25	2.78E-04	8.79E-08	2.56E-08	3.00E-04	9.48E-08	2.76E-08	4.73E-04	1.49E-07	4.34E-08
3402	477363.09, 3848877.25	4.21E-04	1.33E-07	3.86E-08	4.54E-04	1.43E-07	4.16E-08	7.16E-04	2.26E-07	6.58E-08
3403	477863.09, 3848877.25	4.76E-04	1.50E-07	4.37E-08	5.14E-04	1.62E-07	4.71E-08	8.13E-04	2.57E-07	7.47E-08
3404	478363.09, 3848877.25	4.70E-04	1.48E-07	4.31E-08	5.07E-04	1.60E-07	4.65E-08	8.03E-04	2.53E-07	7.37E-08
3405	478863.09, 3848877.25	3.77E-04	1.19E-07	3.46E-08	4.07E-04	1.28E-07	3.74E-08	6.43E-04	2.03E-07	5.90E-08
3406	479363.09, 3848877.25	2.84E-04	8.95E-08	2.60E-08	3.06E-04	9.65E-08	2.81E-08	4.83E-04	1.52E-07	4.43E-08
3407	479863.09, 3848877.25	2.11E-04	6.67E-08	1.94E-08	2.28E-04	7.20E-08	2.09E-08	3.60E-04	1.14E-07	3.30E-08
3408	480363.09, 3848877.25	2.15E-04	6.78E-08	1.97E-08	2.32E-04	7.31E-08	2.13E-08	3.65E-04	1.15E-07	3.35E-08
3409	480863.09, 3848877.25	2.12E-04	6.71E-08	1.95E-08	2.29E-04	7.23E-08	2.10E-08	3.60E-04	1.14E-07	3.31E-08
3410	481363.09, 3848877.25	1.96E-04	6.19E-08	1.80E-08	2.11E-04	6.67E-08	1.94E-08	3.33E-04	1.05E-07	3.06E-08
3411	481863.09, 3848877.25	1.69E-04	5.32E-08	1.55E-08	1.82E-04	5.73E-08	1.67E-08	2.86E-04	9.02E-08	2.62E-08
3412	482363.09, 3848877.25	1.44E-04	4.53E-08	1.32E-08	1.55E-04	4.88E-08	1.42E-08	2.44E-04	7.69E-08	2.24E-08

3413	482863.09, 3848877.25	1.24E-04	3.91E-08	1.14E-08	1.34E-04	4.22E-08	1.23E-08	2.10E-04	6.64E-08	1.93E-08
3414	483363.09, 3848877.25	1.12E-04	3.52E-08	1.02E-08	1.20E-04	3.80E-08	1.10E-08	1.90E-04	5.98E-08	1.74E-08
3415	483863.09, 3848877.25	1.09E-04	3.43E-08	9.97E-09	1.17E-04	3.69E-08	1.07E-08	1.85E-04	5.82E-08	1.69E-08
3416	484363.09, 3848877.25	1.21E-04	3.81E-08	1.11E-08	1.30E-04	4.10E-08	1.19E-08	2.04E-04	6.45E-08	1.88E-08
3417	484863.09, 3848877.25	1.33E-04	4.20E-08	1.22E-08	1.44E-04	4.53E-08	1.32E-08	2.26E-04	7.12E-08	2.07E-08
3418	485363.09, 3848877.25	1.27E-04	4.01E-08	1.17E-08	1.37E-04	4.32E-08	1.26E-08	2.15E-04	6.79E-08	1.97E-08
3419	485863.09, 3848877.25	1.22E-04	3.86E-08	1.12E-08	1.32E-04	4.16E-08	1.21E-08	2.07E-04	6.54E-08	1.90E-08
3420	486363.09, 3848877.25	1.13E-04	3.56E-08	1.03E-08	1.21E-04	3.83E-08	1.12E-08	1.91E-04	6.04E-08	1.76E-08
3421	486863.09, 3848877.25	1.04E-04	3.27E-08	9.53E-09	1.12E-04	3.53E-08	1.03E-08	1.76E-04	5.57E-08	1.62E-08
3422	487363.09, 3848877.25	1.04E-04	3.30E-08	9.59E-09	1.13E-04	3.55E-08	1.03E-08	1.78E-04	5.62E-08	1.63E-08
3423	487863.09, 3848877.25	1.04E-04	3.27E-08	9.52E-09	1.12E-04	3.53E-08	1.03E-08	1.77E-04	5.59E-08	1.63E-08
3424	488363.09, 3848877.25	1.06E-04	3.33E-08	9.70E-09	1.14E-04	3.60E-08	1.05E-08	1.81E-04	5.70E-08	1.66E-08
3425	488863.09, 3848877.25	1.07E-04	3.39E-08	9.85E-09	1.16E-04	3.66E-08	1.06E-08	1.84E-04	5.80E-08	1.69E-08
3426	489363.09, 3848877.25	1.12E-04	3.54E-08	1.03E-08	1.21E-04	3.82E-08	1.11E-08	1.92E-04	6.07E-08	1.77E-08
3427	489863.09, 3848877.25	1.18E-04	3.72E-08	1.08E-08	1.27E-04	4.02E-08	1.17E-08	2.02E-04	6.39E-08	1.86E-08
3428	490363.09, 3848877.25	1.18E-04	3.72E-08	1.08E-08	1.27E-04	4.02E-08	1.17E-08	2.03E-04	6.40E-08	1.86E-08
3429	490863.09, 3848877.25	1.18E-04	3.73E-08	1.08E-08	1.28E-04	4.03E-08	1.17E-08	2.04E-04	6.42E-08	1.87E-08
3430	491363.09, 3848877.25	1.22E-04	3.86E-08	1.12E-08	1.32E-04	4.17E-08	1.21E-08	2.11E-04	6.66E-08	1.94E-08
3431	491863.09, 3848877.25	1.22E-04	3.85E-08	1.12E-08	1.32E-04	4.16E-08	1.21E-08	2.11E-04	6.66E-08	1.94E-08
3432	492363.09, 3848877.25	1.22E-04	3.84E-08	1.12E-08	1.32E-04	4.15E-08	1.21E-08	2.11E-04	6.65E-08	1.93E-08
3433	492863.09, 3848877.25	1.20E-04	3.77E-08	1.10E-08	1.29E-04	4.08E-08	1.19E-08	2.07E-04	6.55E-08	1.90E-08
3434	493363.09, 3848877.25	1.18E-04	3.73E-08	1.08E-08	1.28E-04	4.03E-08	1.17E-08	2.05E-04	6.47E-08	1.88E-08
3435	493863.09, 3848877.25	1.26E-04	3.99E-08	1.16E-08	1.37E-04	4.31E-08	1.25E-08	2.19E-04	6.92E-08	2.01E-08
3436	494363.09, 3848877.25	1.33E-04	4.19E-08	1.22E-08	1.44E-04	4.53E-08	1.32E-08	2.31E-04	7.28E-08	2.12E-08
3437	494863.09, 3848877.25	1.44E-04	4.54E-08	1.32E-08	1.55E-04	4.90E-08	1.43E-08	2.49E-04	7.87E-08	2.29E-08
3438	495363.09, 3848877.25	1.53E-04	4.82E-08	1.40E-08	1.65E-04	5.21E-08	1.51E-08	2.64E-04	8.35E-08	2.43E-08
3439	495863.09, 3848877.25	1.50E-04	4.72E-08	1.37E-08	1.62E-04	5.11E-08	1.48E-08	2.59E-04	8.19E-08	2.38E-08
3440	496363.09, 3848877.25	1.58E-04	5.00E-08	1.45E-08	1.71E-04	5.40E-08	1.57E-08	2.74E-04	8.66E-08	2.52E-08
3441	496863.09, 3848877.25	1.79E-04	5.66E-08	1.65E-08	1.94E-04	6.12E-08	1.78E-08	3.10E-04	9.80E-08	2.85E-08
3442	497363.09, 3848877.25	2.24E-04	7.08E-08	2.06E-08	2.42E-04	7.65E-08	2.23E-08	3.88E-04	1.22E-07	3.56E-08
3443	497863.09, 3848877.25	2.51E-04	7.92E-08	2.30E-08	2.71E-04	8.55E-08	2.49E-08	4.33E-04	1.37E-07	3.98E-08
3444	498363.09, 3848877.25	2.74E-04	8.64E-08	2.51E-08	2.96E-04	9.33E-08	2.72E-08	4.73E-04	1.49E-07	4.34E-08
3445	471363.09, 3849377.25	2.71E-04	8.56E-08	2.49E-08	2.93E-04	9.23E-08	2.69E-08	4.62E-04	1.46E-07	4.25E-08
3446	471863.09, 3849377.25	3.04E-04	9.61E-08	2.80E-08	3.28E-04	1.04E-07	3.02E-08	5.19E-04	1.64E-07	4.77E-08
3447	472363.09, 3849377.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.61E-04	1.77E-07	5.15E-08
3448	472863.09, 3849377.25	3.50E-04	1.11E-07	3.21E-08	3.78E-04	1.19E-07	3.47E-08	5.98E-04	1.89E-07	5.49E-08
3449	473363.09, 3849377.25	3.66E-04	1.16E-07	3.36E-08	3.95E-04	1.25E-07	3.63E-08	6.26E-04	1.98E-07	5.75E-08
3450	473863.09, 3849377.25	3.78E-04	1.19E-07	3.47E-08	4.07E-04	1.29E-07	3.74E-08	6.46E-04	2.04E-07	5.93E-08
3451	474363.09, 3849377.25	3.85E-04	1.21E-07	3.53E-08	4.15E-04	1.31E-07	3.81E-08	6.57E-04	2.07E-07	6.03E-08
3452	474863.09, 3849377.25	3.90E-04	1.23E-07	3.58E-08	4.21E-04	1.33E-07	3.86E-08	6.65E-04	2.10E-07	6.10E-08
3453	475363.09, 3849377.25	3.88E-04	1.23E-07	3.57E-08	4.19E-04	1.32E-07	3.85E-08	6.60E-04	2.08E-07	6.06E-08
3454	475863.09, 3849377.25	3.89E-04	1.23E-07	3.57E-08	4.20E-04	1.32E-07	3.85E-08	6.60E-04	2.08E-07	6.06E-08
3455	476363.09, 3849377.25	3.79E-04	1.20E-07	3.48E-08	4.08E-04	1.29E-07	3.75E-08	6.42E-04	2.03E-07	5.90E-08
3456	476863.09, 3849377.25	3.52E-04	1.11E-07	3.23E-08	3.80E-04	1.20E-07	3.49E-08	5.97E-04	1.88E-07	5.48E-08
3457	477363.09, 3849377.25	3.62E-04	1.14E-07	3.33E-08	3.91E-04	1.23E-07	3.59E-08	6.15E-04	1.94E-07	5.64E-08
3458	477863.09, 3849377.25	4.57E-04	1.44E-07	4.20E-08	4.93E-04	1.56E-07	4.53E-08	7.79E-04	2.46E-07	7.15E-08
3459	478363.09, 3849377.25	5.54E-04	1.75E-07	5.09E-08	5.98E-04	1.89E-07	5.49E-08	9.47E-04	2.99E-07	8.69E-08
3460	478863.09, 3849377.25	5.00E-04	1.58E-07	4.59E-08	5.40E-04	1.70E-07	4.96E-08	8.55E-04	2.70E-07	7.85E-08
3461	479363.09, 3849377.25	4.17E-04	1.32E-07	3.83E-08	4.50E-04	1.42E-07	4.13E-08	7.11E-04	2.24E-07	6.53E-08
3462	479863.09, 3849377.25	3.02E-04	9.52E-08	2.77E-08	3.25E-04	1.03E-07	2.99E-08	5.13E-04	1.62E-07	4.71E-08
3463	480363.09, 3849377.25	3.23E-04	1.02E-07	2.97E-08	3.49E-04	1.10E-07	3.20E-08	5.48E-04	1.73E-07	5.04E-08
3464	480863.09, 3849377.25	2.88E-04	9.09E-08	2.64E-08	3.10E-04	9.79E-08	2.85E-08	4.87E-04	1.54E-07	4.47E-08
3465	481363.09, 3849377.25	2.30E-04	7.25E-08	2.11E-08	2.48E-04	7.82E-08	2.27E-08	3.90E-04	1.23E-07	3.58E-08
3466	481863.09, 3849377.25	1.66E-04	5.24E-08	1.52E-08	1.79E-04	5.65E-08	1.64E-08	2.82E-04	8.91E-08	2.59E-08
3467	482363.09, 3849377.25	1.50E-04	4.72E-08	1.37E-08	1.61E-04	5.09E-08	1.48E-08	2.54E-04	8.03E-08	2.33E-08
3468	482863.09, 3849377.25	1.27E-04	4.01E-08	1.17E-08	1.37E-04	4.33E-08	1.26E-08	2.16E-04	6.83E-08	1.99E-08
3469	483363.09, 3849377.25	1.18E-04	3.72E-08	1.08E-08	1.27E-04	4.01E-08	1.17E-08	2.01E-04	6.33E-08	1.84E-08
3470	483863.09, 3849377.25	1.03E-04	3.26E-08	9.48E-09	1.11E-04	3.52E-08	1.02E-08	1.76E-04	5.55E-08	1.62E-08
3471	484363.09, 3849377.25	1.33E-04	4.20E-08	1.22E-08	1.43E-04	4.53E-08	1.32E-08	2.25E-04	7.12E-08	2.07E-08
3472	484863.09, 3849377.25	1.56E-04	4.92E-08	1.43E-08	1.68E-04	5.30E-08	1.54E-08	2.64E-04	8.32E-08	2.42E-08
3473	485363.09, 3849377.25	1.51E-04	4.75E-08	1.38E-08	1.62E-04	5.12E-08	1.49E-08	2.55E-04	8.04E-08	2.34E-08

3474	485863.09, 3849377.25	1.20E-04	3.79E-08	1.10E-08	1.30E-04	4.09E-08	1.19E-08	2.04E-04	6.44E-08	1.87E-08
3475	486363.09, 3849377.25	1.05E-04	3.30E-08	9.60E-09	1.13E-04	3.56E-08	1.04E-08	1.78E-04	5.62E-08	1.64E-08
3476	486863.09, 3849377.25	1.20E-04	3.78E-08	1.10E-08	1.29E-04	4.07E-08	1.18E-08	2.04E-04	6.43E-08	1.87E-08
3477	487363.09, 3849377.25	1.25E-04	3.95E-08	1.15E-08	1.35E-04	4.26E-08	1.24E-08	2.14E-04	6.75E-08	1.96E-08
3478	487863.09, 3849377.25	1.25E-04	3.94E-08	1.15E-08	1.35E-04	4.26E-08	1.24E-08	2.14E-04	6.74E-08	1.96E-08
3479	488363.09, 3849377.25	1.27E-04	4.01E-08	1.17E-08	1.37E-04	4.33E-08	1.26E-08	2.17E-04	6.85E-08	1.99E-08
3480	488863.09, 3849377.25	1.32E-04	4.17E-08	1.21E-08	1.42E-04	4.50E-08	1.31E-08	2.26E-04	7.12E-08	2.07E-08
3481	489363.09, 3849377.25	1.37E-04	4.32E-08	1.26E-08	1.48E-04	4.67E-08	1.36E-08	2.35E-04	7.41E-08	2.15E-08
3482	489863.09, 3849377.25	1.41E-04	4.45E-08	1.29E-08	1.52E-04	4.81E-08	1.40E-08	2.42E-04	7.64E-08	2.22E-08
3483	490363.09, 3849377.25	1.41E-04	4.46E-08	1.30E-08	1.53E-04	4.81E-08	1.40E-08	2.43E-04	7.67E-08	2.23E-08
3484	490863.09, 3849377.25	1.44E-04	4.53E-08	1.32E-08	1.55E-04	4.90E-08	1.42E-08	2.48E-04	7.81E-08	2.27E-08
3485	491363.09, 3849377.25	1.49E-04	4.69E-08	1.37E-08	1.61E-04	5.07E-08	1.48E-08	2.57E-04	8.11E-08	2.36E-08
3486	491863.09, 3849377.25	1.49E-04	4.69E-08	1.37E-08	1.61E-04	5.07E-08	1.48E-08	2.57E-04	8.12E-08	2.36E-08
3487	492363.09, 3849377.25	1.49E-04	4.71E-08	1.37E-08	1.61E-04	5.09E-08	1.48E-08	2.58E-04	8.15E-08	2.37E-08
3488	492863.09, 3849377.25	1.42E-04	4.50E-08	1.31E-08	1.54E-04	4.86E-08	1.41E-08	2.47E-04	7.80E-08	2.27E-08
3489	493363.09, 3849377.25	1.45E-04	4.59E-08	1.34E-08	1.57E-04	4.96E-08	1.44E-08	2.52E-04	7.96E-08	2.32E-08
3490	493863.09, 3849377.25	1.51E-04	4.78E-08	1.39E-08	1.64E-04	5.17E-08	1.50E-08	2.63E-04	8.29E-08	2.41E-08
3491	494363.09, 3849377.25	1.63E-04	5.14E-08	1.50E-08	1.76E-04	5.56E-08	1.62E-08	2.83E-04	8.92E-08	2.60E-08
3492	494863.09, 3849377.25	1.89E-04	5.95E-08	1.73E-08	2.04E-04	6.43E-08	1.87E-08	3.27E-04	1.03E-07	3.00E-08
3493	495363.09, 3849377.25	2.04E-04	6.43E-08	1.87E-08	2.20E-04	6.95E-08	2.02E-08	3.53E-04	1.11E-07	3.24E-08
3494	495863.09, 3849377.25	1.77E-04	5.58E-08	1.62E-08	1.91E-04	6.04E-08	1.76E-08	3.07E-04	9.68E-08	2.81E-08
3495	496363.09, 3849377.25	1.79E-04	5.66E-08	1.65E-08	1.94E-04	6.12E-08	1.78E-08	3.11E-04	9.81E-08	2.85E-08
3496	496863.09, 3849377.25	2.34E-04	7.37E-08	2.14E-08	2.52E-04	7.96E-08	2.32E-08	4.04E-04	1.27E-07	3.71E-08
3497	497363.09, 3849377.25	2.59E-04	8.18E-08	2.38E-08	2.80E-04	8.84E-08	2.57E-08	4.48E-04	1.41E-07	4.11E-08
3498	497863.09, 3849377.25	3.29E-04	1.04E-07	3.02E-08	3.56E-04	1.12E-07	3.26E-08	5.68E-04	1.79E-07	5.22E-08
3499	498363.09, 3849377.25	3.27E-04	1.03E-07	3.00E-08	3.53E-04	1.12E-07	3.24E-08	5.65E-04	1.78E-07	5.18E-08
3500	471363.09, 3849877.25	2.30E-04	7.26E-08	2.11E-08	2.48E-04	7.83E-08	2.28E-08	3.93E-04	1.24E-07	3.61E-08
3501	471863.09, 3849877.25	2.74E-04	8.65E-08	2.52E-08	2.96E-04	9.33E-08	2.71E-08	4.68E-04	1.48E-07	4.29E-08
3502	472363.09, 3849877.25	3.17E-04	9.99E-08	2.91E-08	3.41E-04	1.08E-07	3.13E-08	5.39E-04	1.70E-07	4.95E-08
3503	472863.09, 3849877.25	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.96E-04	1.88E-07	5.47E-08
3504	473363.09, 3849877.25	3.75E-04	1.18E-07	3.44E-08	4.04E-04	1.28E-07	3.71E-08	6.39E-04	2.02E-07	5.87E-08
3505	473863.09, 3849877.25	4.00E-04	1.26E-07	3.68E-08	4.32E-04	1.36E-07	3.97E-08	6.84E-04	2.16E-07	6.28E-08
3506	474363.09, 3849877.25	4.21E-04	1.33E-07	3.87E-08	4.54E-04	1.43E-07	4.17E-08	7.20E-04	2.27E-07	6.61E-08
3507	474863.09, 3849877.25	4.34E-04	1.37E-07	3.99E-08	4.68E-04	1.48E-07	4.30E-08	7.42E-04	2.34E-07	6.81E-08
3508	475363.09, 3849877.25	4.39E-04	1.38E-07	4.03E-08	4.73E-04	1.49E-07	4.34E-08	7.49E-04	2.36E-07	6.87E-08
3509	475863.09, 3849877.25	4.43E-04	1.40E-07	4.07E-08	4.78E-04	1.51E-07	4.39E-08	7.55E-04	2.38E-07	6.93E-08
3510	476363.09, 3849877.25	4.45E-04	1.40E-07	4.09E-08	4.80E-04	1.51E-07	4.40E-08	7.55E-04	2.38E-07	6.93E-08
3511	476863.09, 3849877.25	4.42E-04	1.40E-07	4.06E-08	4.77E-04	1.50E-07	4.38E-08	7.49E-04	2.36E-07	6.87E-08
3512	477363.09, 3849877.25	4.28E-04	1.35E-07	3.93E-08	4.61E-04	1.45E-07	4.23E-08	7.22E-04	2.28E-07	6.63E-08
3513	477863.09, 3849877.25	4.38E-04	1.38E-07	4.02E-08	4.72E-04	1.49E-07	4.33E-08	7.41E-04	2.34E-07	6.80E-08
3514	478363.09, 3849877.25	5.45E-04	1.72E-07	5.00E-08	5.88E-04	1.86E-07	5.40E-08	9.28E-04	2.93E-07	8.52E-08
3515	478863.09, 3849877.25	6.68E-04	2.11E-07	6.13E-08	7.21E-04	2.27E-07	6.62E-08	1.14E-03	3.60E-07	1.05E-07
3516	479363.09, 3849877.25	6.04E-04	1.91E-07	5.54E-08	6.51E-04	2.06E-07	5.98E-08	1.03E-03	3.25E-07	9.46E-08
3517	479863.09, 3849877.25	5.37E-04	1.69E-07	4.93E-08	5.79E-04	1.83E-07	5.31E-08	9.14E-04	2.89E-07	8.39E-08
3518	480363.09, 3849877.25	4.08E-04	1.29E-07	3.75E-08	4.40E-04	1.39E-07	4.04E-08	6.93E-04	2.19E-07	6.37E-08
3519	480863.09, 3849877.25	3.29E-04	1.04E-07	3.02E-08	3.54E-04	1.12E-07	3.25E-08	5.57E-04	1.76E-07	5.12E-08
3520	481363.09, 3849877.25	2.79E-04	8.80E-08	2.56E-08	3.01E-04	9.49E-08	2.76E-08	4.72E-04	1.49E-07	4.33E-08
3521	481863.09, 3849877.25	1.82E-04	5.74E-08	1.67E-08	1.96E-04	6.19E-08	1.80E-08	3.09E-04	9.77E-08	2.84E-08
3522	482363.09, 3849877.25	1.55E-04	4.90E-08	1.42E-08	1.67E-04	5.28E-08	1.54E-08	2.64E-04	8.34E-08	2.43E-08
3523	482863.09, 3849877.25	1.38E-04	4.35E-08	1.26E-08	1.49E-04	4.69E-08	1.36E-08	2.34E-04	7.40E-08	2.15E-08
3524	483363.09, 3849877.25	1.23E-04	3.88E-08	1.13E-08	1.33E-04	4.18E-08	1.22E-08	2.09E-04	6.61E-08	1.92E-08
3525	483863.09, 3849877.25	1.20E-04	3.79E-08	1.10E-08	1.30E-04	4.09E-08	1.19E-08	2.05E-04	6.46E-08	1.88E-08
3526	484363.09, 3849877.25	1.49E-04	4.70E-08	1.37E-08	1.60E-04	5.06E-08	1.47E-08	2.52E-04	7.96E-08	2.32E-08
3527	484863.09, 3849877.25	1.89E-04	5.98E-08	1.74E-08	2.04E-04	6.44E-08	1.87E-08	3.20E-04	1.01E-07	2.94E-08
3528	485363.09, 3849877.25	1.73E-04	5.45E-08	1.59E-08	1.86E-04	5.88E-08	1.71E-08	2.92E-04	9.22E-08	2.68E-08
3529	485863.09, 3849877.25	1.48E-04	4.66E-08	1.36E-08	1.59E-04	5.03E-08	1.46E-08	2.50E-04	7.90E-08	2.30E-08
3530	486363.09, 3849877.25	1.39E-04	4.40E-08	1.28E-08	1.50E-04	4.74E-08	1.38E-08	2.37E-04	7.49E-08	2.18E-08
3531	486863.09, 3849877.25	1.52E-04	4.79E-08	1.39E-08	1.64E-04	5.17E-08	1.50E-08	2.59E-04	8.17E-08	2.38E-08
3532	487363.09, 3849877.25	1.54E-04	4.85E-08	1.41E-08	1.66E-04	5.23E-08	1.52E-08	2.62E-04	8.27E-08	2.41E-08
3533	487863.09, 3849877.25	1.55E-04	4.90E-08	1.42E-08	1.67E-04	5.28E-08	1.54E-08	2.65E-04	8.37E-08	2.43E-08
3534	488363.09, 3849877.25	1.59E-04	5.03E-08	1.46E-08	1.72E-04	5.43E-08	1.58E-08	2.72E-04	8.59E-08	2.50E-08

3535	488863.09, 3849877.25	1.66E-04	5.24E-08	1.52E-08	1.79E-04	5.66E-08	1.65E-08	2.84E-04	8.97E-08	2.61E-08
3536	489363.09, 3849877.25	1.71E-04	5.40E-08	1.57E-08	1.85E-04	5.83E-08	1.70E-08	2.93E-04	9.26E-08	2.69E-08
3537	489863.09, 3849877.25	1.74E-04	5.51E-08	1.60E-08	1.88E-04	5.95E-08	1.73E-08	3.00E-04	9.47E-08	2.75E-08
3538	490363.09, 3849877.25	1.77E-04	5.58E-08	1.62E-08	1.91E-04	6.03E-08	1.75E-08	3.05E-04	9.62E-08	2.80E-08
3539	490863.09, 3849877.25	1.83E-04	5.78E-08	1.68E-08	1.98E-04	6.24E-08	1.82E-08	3.16E-04	9.97E-08	2.90E-08
3540	491363.09, 3849877.25	1.89E-04	5.97E-08	1.74E-08	2.04E-04	6.45E-08	1.88E-08	3.27E-04	1.03E-07	3.00E-08
3541	491863.09, 3849877.25	1.90E-04	6.00E-08	1.74E-08	2.05E-04	6.48E-08	1.89E-08	3.29E-04	1.04E-07	3.02E-08
3542	492363.09, 3849877.25	1.92E-04	6.06E-08	1.76E-08	2.08E-04	6.55E-08	1.90E-08	3.32E-04	1.05E-07	3.05E-08
3543	492863.09, 3849877.25	1.88E-04	5.93E-08	1.72E-08	2.03E-04	6.41E-08	1.86E-08	3.26E-04	1.03E-07	2.99E-08
3544	493363.09, 3849877.25	1.84E-04	5.81E-08	1.69E-08	1.99E-04	6.28E-08	1.83E-08	3.19E-04	1.01E-07	2.93E-08
3545	493863.09, 3849877.25	1.85E-04	5.85E-08	1.70E-08	2.00E-04	6.32E-08	1.84E-08	3.21E-04	1.01E-07	2.95E-08
3546	494363.09, 3849877.25	2.24E-04	7.06E-08	2.05E-08	2.42E-04	7.63E-08	2.22E-08	3.87E-04	1.22E-07	3.55E-08
3547	494863.09, 3849877.25	2.56E-04	8.08E-08	2.35E-08	2.76E-04	8.73E-08	2.54E-08	4.43E-04	1.40E-07	4.06E-08
3548	495363.09, 3849877.25	2.37E-04	7.48E-08	2.18E-08	2.56E-04	8.09E-08	2.35E-08	4.10E-04	1.30E-07	3.77E-08
3549	495863.09, 3849877.25	2.74E-04	8.66E-08	2.52E-08	2.97E-04	9.36E-08	2.72E-08	4.74E-04	1.50E-07	4.36E-08
3550	496363.09, 3849877.25	2.94E-04	9.27E-08	2.70E-08	3.17E-04	1.00E-07	2.91E-08	5.07E-04	1.60E-07	4.66E-08
3551	496863.09, 3849877.25	3.10E-04	9.78E-08	2.84E-08	3.35E-04	1.06E-07	3.07E-08	5.35E-04	1.69E-07	4.91E-08
3552	497363.09, 3849877.25	3.67E-04	1.16E-07	3.37E-08	3.97E-04	1.25E-07	3.64E-08	6.34E-04	2.00E-07	5.82E-08
3553	497863.09, 3849877.25	3.94E-04	1.24E-07	3.62E-08	4.26E-04	1.34E-07	3.91E-08	6.80E-04	2.15E-07	6.25E-08
3554	498363.09, 3849877.25	3.90E-04	1.23E-07	3.58E-08	4.21E-04	1.33E-07	3.87E-08	6.73E-04	2.12E-07	6.18E-08
3555	471363.09, 3850377.25	1.88E-04	5.92E-08	1.72E-08	2.03E-04	6.39E-08	1.86E-08	3.22E-04	1.02E-07	2.96E-08
3556	471863.09, 3850377.25	2.44E-04	7.69E-08	2.24E-08	2.63E-04	8.30E-08	2.41E-08	4.18E-04	1.32E-07	3.83E-08
3557	472363.09, 3850377.25	2.73E-04	8.62E-08	2.51E-08	2.95E-04	9.30E-08	2.70E-08	4.67E-04	1.47E-07	4.29E-08
3558	472863.09, 3850377.25	3.29E-04	1.04E-07	3.02E-08	3.54E-04	1.12E-07	3.25E-08	5.60E-04	1.77E-07	5.14E-08
3559	473363.09, 3850377.25	3.59E-04	1.13E-07	3.30E-08	3.87E-04	1.22E-07	3.56E-08	6.12E-04	1.93E-07	5.62E-08
3560	473863.09, 3850377.25	3.98E-04	1.25E-07	3.65E-08	4.29E-04	1.35E-07	3.94E-08	6.78E-04	2.14E-07	6.22E-08
3561	474363.09, 3850377.25	4.33E-04	1.37E-07	3.97E-08	4.67E-04	1.47E-07	4.29E-08	7.38E-04	2.33E-07	6.78E-08
3562	474863.09, 3850377.25	4.64E-04	1.46E-07	4.26E-08	5.01E-04	1.58E-07	4.60E-08	7.92E-04	2.50E-07	7.27E-08
3563	475363.09, 3850377.25	4.90E-04	1.55E-07	4.50E-08	5.28E-04	1.67E-07	4.85E-08	8.37E-04	2.64E-07	7.68E-08
3564	475863.09, 3850377.25	5.03E-04	1.59E-07	4.62E-08	5.43E-04	1.71E-07	4.99E-08	8.60E-04	2.71E-07	7.89E-08
3565	476363.09, 3850377.25	5.09E-04	1.61E-07	4.68E-08	5.50E-04	1.73E-07	5.05E-08	8.68E-04	2.74E-07	7.97E-08
3566	476863.09, 3850377.25	5.15E-04	1.62E-07	4.72E-08	5.55E-04	1.75E-07	5.09E-08	8.74E-04	2.76E-07	8.03E-08
3567	477363.09, 3850377.25	5.16E-04	1.63E-07	4.74E-08	5.56E-04	1.75E-07	5.10E-08	8.73E-04	2.76E-07	8.01E-08
3568	477863.09, 3850377.25	4.99E-04	1.57E-07	4.58E-08	5.37E-04	1.70E-07	4.93E-08	8.43E-04	2.66E-07	7.74E-08
3569	478363.09, 3850377.25	4.99E-04	1.57E-07	4.58E-08	5.37E-04	1.70E-07	4.93E-08	8.44E-04	2.66E-07	7.75E-08
3570	478863.09, 3850377.25	6.52E-04	2.06E-07	5.99E-08	7.03E-04	2.22E-07	6.46E-08	1.11E-03	3.50E-07	1.02E-07
3571	479363.09, 3850377.25	7.96E-04	2.51E-07	7.30E-08	8.58E-04	2.71E-07	7.88E-08	1.36E-03	4.29E-07	1.25E-07
3572	479863.09, 3850377.25	7.34E-04	2.32E-07	6.74E-08	7.92E-04	2.50E-07	7.27E-08	1.25E-03	3.95E-07	1.15E-07
3573	480363.09, 3850377.25	6.12E-04	1.93E-07	5.62E-08	6.60E-04	2.08E-07	6.06E-08	1.04E-03	3.29E-07	9.57E-08
3574	480863.09, 3850377.25	5.60E-04	1.77E-07	5.14E-08	6.03E-04	1.90E-07	5.54E-08	9.50E-04	3.00E-07	8.72E-08
3575	481363.09, 3850377.25	3.46E-04	1.09E-07	3.17E-08	3.72E-04	1.18E-07	3.42E-08	5.85E-04	1.85E-07	5.37E-08
3576	481863.09, 3850377.25	3.13E-04	9.87E-08	2.87E-08	3.37E-04	1.06E-07	3.09E-08	5.30E-04	1.67E-07	4.87E-08
3577	482363.09, 3850377.25	2.79E-04	8.80E-08	2.56E-08	3.00E-04	9.48E-08	2.76E-08	4.73E-04	1.49E-07	4.34E-08
3578	482863.09, 3850377.25	1.95E-04	6.16E-08	1.79E-08	2.10E-04	6.64E-08	1.93E-08	3.31E-04	1.05E-07	3.04E-08
3579	483363.09, 3850377.25	1.61E-04	5.09E-08	1.48E-08	1.74E-04	5.48E-08	1.60E-08	2.74E-04	8.65E-08	2.52E-08
3580	483863.09, 3850377.25	1.68E-04	5.31E-08	1.54E-08	1.81E-04	5.73E-08	1.67E-08	2.85E-04	9.00E-08	2.62E-08
3581	484363.09, 3850377.25	1.93E-04	6.09E-08	1.77E-08	2.08E-04	6.56E-08	1.91E-08	3.26E-04	1.03E-07	3.00E-08
3582	484863.09, 3850377.25	2.25E-04	7.11E-08	2.07E-08	2.43E-04	7.66E-08	2.23E-08	3.81E-04	1.20E-07	3.50E-08
3583	485363.09, 3850377.25	2.19E-04	6.92E-08	2.01E-08	2.36E-04	7.45E-08	2.17E-08	3.70E-04	1.17E-07	3.40E-08
3584	485863.09, 3850377.25	1.97E-04	6.22E-08	1.81E-08	2.12E-04	6.70E-08	1.95E-08	3.34E-04	1.05E-07	3.06E-08
3585	486363.09, 3850377.25	1.95E-04	6.16E-08	1.79E-08	2.11E-04	6.65E-08	1.93E-08	3.32E-04	1.05E-07	3.05E-08
3586	486863.09, 3850377.25	1.96E-04	6.20E-08	1.80E-08	2.12E-04	6.68E-08	1.94E-08	3.34E-04	1.05E-07	3.07E-08
3587	487363.09, 3850377.25	1.92E-04	6.05E-08	1.76E-08	2.07E-04	6.52E-08	1.90E-08	3.26E-04	1.03E-07	3.00E-08
3588	487863.09, 3850377.25	1.98E-04	6.25E-08	1.82E-08	2.14E-04	6.74E-08	1.96E-08	3.38E-04	1.07E-07	3.10E-08
3589	488363.09, 3850377.25	2.04E-04	6.43E-08	1.87E-08	2.20E-04	6.93E-08	2.02E-08	3.48E-04	1.10E-07	3.19E-08
3590	488863.09, 3850377.25	2.13E-04	6.72E-08	1.95E-08	2.30E-04	7.25E-08	2.11E-08	3.64E-04	1.15E-07	3.35E-08
3591	489363.09, 3850377.25	2.21E-04	6.99E-08	2.03E-08	2.39E-04	7.55E-08	2.20E-08	3.81E-04	1.20E-07	3.50E-08
3592	489863.09, 3850377.25	2.26E-04	7.13E-08	2.07E-08	2.44E-04	7.70E-08	2.24E-08	3.89E-04	1.23E-07	3.57E-08
3593	490363.09, 3850377.25	2.33E-04	7.34E-08	2.14E-08	2.51E-04	7.93E-08	2.31E-08	4.01E-04	1.27E-07	3.68E-08
3594	490863.09, 3850377.25	2.42E-04	7.63E-08	2.22E-08	2.61E-04	8.24E-08	2.40E-08	4.17E-04	1.32E-07	3.83E-08
3595	491363.09, 3850377.25	2.49E-04	7.87E-08	2.29E-08	2.69E-04	8.50E-08	2.47E-08	4.31E-04	1.36E-07	3.95E-08

3596	491863.09, 3850377.25	2.48E-04	7.83E-08	2.28E-08	2.68E-04	8.46E-08	2.46E-08	4.29E-04	1.35E-07	3.94E-08
3597	492363.09, 3850377.25	2.44E-04	7.70E-08	2.24E-08	2.64E-04	8.32E-08	2.42E-08	4.22E-04	1.33E-07	3.88E-08
3598	492863.09, 3850377.25	2.46E-04	7.75E-08	2.26E-08	2.66E-04	8.38E-08	2.44E-08	4.26E-04	1.34E-07	3.91E-08
3599	493363.09, 3850377.25	2.40E-04	7.59E-08	2.21E-08	2.60E-04	8.20E-08	2.38E-08	4.16E-04	1.31E-07	3.82E-08
3600	493863.09, 3850377.25	2.67E-04	8.43E-08	2.45E-08	2.88E-04	9.10E-08	2.65E-08	4.62E-04	1.46E-07	4.24E-08
3601	494363.09, 3850377.25	2.89E-04	9.13E-08	2.66E-08	3.13E-04	9.87E-08	2.87E-08	5.00E-04	1.58E-07	4.59E-08
3602	494863.09, 3850377.25	3.24E-04	1.02E-07	2.98E-08	3.50E-04	1.11E-07	3.22E-08	5.60E-04	1.77E-07	5.14E-08
3603	495363.09, 3850377.25	3.67E-04	1.16E-07	3.37E-08	3.97E-04	1.25E-07	3.64E-08	6.34E-04	2.00E-07	5.82E-08
3604	495863.09, 3850377.25	3.60E-04	1.14E-07	3.31E-08	3.89E-04	1.23E-07	3.57E-08	6.22E-04	1.96E-07	5.71E-08
3605	496363.09, 3850377.25	4.04E-04	1.28E-07	3.71E-08	4.36E-04	1.38E-07	4.01E-08	6.97E-04	2.20E-07	6.40E-08
3606	496863.09, 3850377.25	4.46E-04	1.41E-07	4.10E-08	4.82E-04	1.52E-07	4.43E-08	7.70E-04	2.43E-07	7.07E-08
3607	497363.09, 3850377.25	4.69E-04	1.48E-07	4.31E-08	5.07E-04	1.60E-07	4.65E-08	8.09E-04	2.55E-07	7.43E-08
3608	497863.09, 3850377.25	4.72E-04	1.49E-07	4.33E-08	5.10E-04	1.61E-07	4.68E-08	8.15E-04	2.57E-07	7.48E-08
3609	498363.09, 3850377.25	4.75E-04	1.50E-07	4.36E-08	5.13E-04	1.62E-07	4.71E-08	8.20E-04	2.59E-07	7.53E-08
3610	471363.09, 3850877.25	2.33E-04	7.34E-08	2.14E-08	2.51E-04	7.92E-08	2.30E-08	3.99E-04	1.26E-07	3.66E-08
3611	471863.09, 3850877.25	2.59E-04	8.18E-08	2.38E-08	2.80E-04	8.83E-08	2.57E-08	4.44E-04	1.40E-07	4.08E-08
3612	472363.09, 3850877.25	2.96E-04	9.35E-08	2.72E-08	3.20E-04	1.01E-07	2.94E-08	5.08E-04	1.60E-07	4.66E-08
3613	472863.09, 3850877.25	3.31E-04	1.04E-07	3.04E-08	3.57E-04	1.13E-07	3.28E-08	5.66E-04	1.79E-07	5.20E-08
3614	473363.09, 3850877.25	3.23E-04	1.02E-07	2.96E-08	3.48E-04	1.10E-07	3.20E-08	5.53E-04	1.74E-07	5.07E-08
3615	473863.09, 3850877.25	3.71E-04	1.17E-07	3.41E-08	4.01E-04	1.26E-07	3.68E-08	6.34E-04	2.00E-07	5.82E-08
3616	474363.09, 3850877.25	4.29E-04	1.35E-07	3.94E-08	4.63E-04	1.46E-07	4.25E-08	7.31E-04	2.31E-07	6.71E-08
3617	474863.09, 3850877.25	4.69E-04	1.48E-07	4.31E-08	5.06E-04	1.60E-07	4.64E-08	7.99E-04	2.52E-07	7.33E-08
3618	475363.09, 3850877.25	5.08E-04	1.60E-07	4.66E-08	5.48E-04	1.73E-07	5.03E-08	8.66E-04	2.73E-07	7.95E-08
3619	475863.09, 3850877.25	5.47E-04	1.73E-07	5.03E-08	5.91E-04	1.86E-07	5.42E-08	9.34E-04	2.95E-07	8.57E-08
3620	476363.09, 3850877.25	5.77E-04	1.82E-07	5.30E-08	6.23E-04	1.97E-07	5.72E-08	9.85E-04	3.11E-07	9.05E-08
3621	476863.09, 3850877.25	5.94E-04	1.88E-07	5.46E-08	6.41E-04	2.02E-07	5.89E-08	1.01E-03	3.20E-07	9.30E-08
3622	477363.09, 3850877.25	6.05E-04	1.91E-07	5.56E-08	6.53E-04	2.06E-07	5.99E-08	1.03E-03	3.25E-07	9.45E-08
3623	477863.09, 3850877.25	6.10E-04	1.93E-07	5.60E-08	6.58E-04	2.08E-07	6.04E-08	1.03E-03	3.26E-07	9.48E-08
3624	478363.09, 3850877.25	5.99E-04	1.89E-07	5.50E-08	6.45E-04	2.04E-07	5.92E-08	1.01E-03	3.19E-07	9.28E-08
3625	478863.09, 3850877.25	6.21E-04	1.96E-07	5.70E-08	6.69E-04	2.11E-07	6.14E-08	1.04E-03	3.30E-07	9.59E-08
3626	479363.09, 3850877.25	7.71E-04	2.43E-07	7.08E-08	8.31E-04	2.62E-07	7.63E-08	1.31E-03	4.12E-07	1.20E-07
3627	479863.09, 3850877.25	9.25E-04	2.92E-07	8.49E-08	9.98E-04	3.15E-07	9.16E-08	1.58E-03	4.99E-07	1.45E-07
3628	480363.09, 3850877.25	9.11E-04	2.87E-07	8.36E-08	9.82E-04	3.10E-07	9.02E-08	1.55E-03	4.89E-07	1.42E-07
3629	480863.09, 3850877.25	8.00E-04	2.52E-07	7.34E-08	8.62E-04	2.72E-07	7.92E-08	1.36E-03	4.29E-07	1.25E-07
3630	481363.09, 3850877.25	6.99E-04	2.21E-07	6.42E-08	7.53E-04	2.38E-07	6.92E-08	1.18E-03	3.74E-07	1.09E-07
3631	481863.09, 3850877.25	5.60E-04	1.77E-07	5.14E-08	6.04E-04	1.91E-07	5.54E-08	9.47E-04	2.99E-07	8.69E-08
3632	482363.09, 3850877.25	4.02E-04	1.27E-07	3.69E-08	4.34E-04	1.37E-07	3.98E-08	6.82E-04	2.15E-07	6.26E-08
3633	482863.09, 3850877.25	3.17E-04	1.00E-07	2.91E-08	3.41E-04	1.08E-07	3.13E-08	5.35E-04	1.69E-07	4.92E-08
3634	483363.09, 3850877.25	2.45E-04	7.74E-08	2.25E-08	2.64E-04	8.34E-08	2.43E-08	4.16E-04	1.31E-07	3.82E-08
3635	483863.09, 3850877.25	2.37E-04	7.47E-08	2.17E-08	2.55E-04	8.05E-08	2.34E-08	4.01E-04	1.27E-07	3.69E-08
3636	484363.09, 3850877.25	2.66E-04	8.38E-08	2.44E-08	2.86E-04	9.03E-08	2.63E-08	4.49E-04	1.42E-07	4.12E-08
3637	484863.09, 3850877.25	2.59E-04	8.16E-08	2.37E-08	2.79E-04	8.79E-08	2.56E-08	4.37E-04	1.38E-07	4.01E-08
3638	485363.09, 3850877.25	2.71E-04	8.57E-08	2.49E-08	2.92E-04	9.23E-08	2.68E-08	4.59E-04	1.45E-07	4.21E-08
3639	485863.09, 3850877.25	2.39E-04	7.55E-08	2.20E-08	2.58E-04	8.14E-08	2.37E-08	4.06E-04	1.28E-07	3.73E-08
3640	486363.09, 3850877.25	2.52E-04	7.95E-08	2.31E-08	2.72E-04	8.57E-08	2.49E-08	4.28E-04	1.35E-07	3.93E-08
3641	486863.09, 3850877.25	2.53E-04	7.98E-08	2.32E-08	2.73E-04	8.61E-08	2.50E-08	4.30E-04	1.36E-07	3.95E-08
3642	487363.09, 3850877.25	2.47E-04	7.81E-08	2.27E-08	2.67E-04	8.42E-08	2.45E-08	4.21E-04	1.33E-07	3.86E-08
3643	487863.09, 3850877.25	2.57E-04	8.10E-08	2.36E-08	2.77E-04	8.74E-08	2.54E-08	4.38E-04	1.38E-07	4.02E-08
3644	488363.09, 3850877.25	2.70E-04	8.53E-08	2.48E-08	2.92E-04	9.20E-08	2.68E-08	4.62E-04	1.46E-07	4.24E-08
3645	488863.09, 3850877.25	2.82E-04	8.91E-08	2.59E-08	3.05E-04	9.62E-08	2.80E-08	4.85E-04	1.53E-07	4.45E-08
3646	489363.09, 3850877.25	2.98E-04	9.39E-08	2.73E-08	3.21E-04	1.01E-07	2.95E-08	5.12E-04	1.62E-07	4.70E-08
3647	489863.09, 3850877.25	3.09E-04	9.74E-08	2.83E-08	3.34E-04	1.05E-07	3.06E-08	5.32E-04	1.68E-07	4.89E-08
3648	490363.09, 3850877.25	3.24E-04	1.02E-07	2.97E-08	3.50E-04	1.10E-07	3.21E-08	5.59E-04	1.76E-07	5.13E-08
3649	490863.09, 3850877.25	3.35E-04	1.06E-07	3.07E-08	3.62E-04	1.14E-07	3.32E-08	5.78E-04	1.82E-07	5.31E-08
3650	491363.09, 3850877.25	3.38E-04	1.07E-07	3.10E-08	3.65E-04	1.15E-07	3.35E-08	5.84E-04	1.84E-07	5.36E-08
3651	491863.09, 3850877.25	3.38E-04	1.07E-07	3.10E-08	3.65E-04	1.15E-07	3.35E-08	5.84E-04	1.84E-07	5.36E-08
3652	492363.09, 3850877.25	3.36E-04	1.06E-07	3.08E-08	3.63E-04	1.15E-07	3.33E-08	5.81E-04	1.83E-07	5.33E-08
3653	492863.09, 3850877.25	3.39E-04	1.07E-07	3.11E-08	3.66E-04	1.15E-07	3.36E-08	5.85E-04	1.85E-07	5.37E-08
3654	493363.09, 3850877.25	3.47E-04	1.10E-07	3.19E-08	3.75E-04	1.18E-07	3.45E-08	6.01E-04	1.90E-07	5.51E-08
3655	493863.09, 3850877.25	3.83E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.62E-04	2.09E-07	6.07E-08
3656	494363.09, 3850877.25	4.03E-04	1.27E-07	3.70E-08	4.35E-04	1.37E-07	3.99E-08	6.95E-04	2.19E-07	6.38E-08

3657	494863.09, 3850877.25	4.43E-04	1.40E-07	4.07E-08	4.79E-04	1.51E-07	4.40E-08	7.65E-04	2.42E-07	7.03E-08
3658	495363.09, 3850877.25	4.88E-04	1.54E-07	4.48E-08	5.27E-04	1.66E-07	4.84E-08	8.43E-04	2.66E-07	7.74E-08
3659	495863.09, 3850877.25	5.01E-04	1.58E-07	4.60E-08	5.42E-04	1.71E-07	4.97E-08	8.65E-04	2.73E-07	7.94E-08
3660	496363.09, 3850877.25	5.29E-04	1.67E-07	4.85E-08	5.71E-04	1.80E-07	5.24E-08	9.12E-04	2.88E-07	8.37E-08
3661	496863.09, 3850877.25	5.70E-04	1.80E-07	5.24E-08	6.16E-04	1.94E-07	5.66E-08	9.84E-04	3.11E-07	9.03E-08
3662	497363.09, 3850877.25	5.77E-04	1.82E-07	5.30E-08	6.24E-04	1.97E-07	5.73E-08	9.96E-04	3.14E-07	9.15E-08
3663	497863.09, 3850877.25	5.72E-04	1.81E-07	5.26E-08	6.18E-04	1.95E-07	5.68E-08	9.88E-04	3.12E-07	9.07E-08
3664	498363.09, 3850877.25	5.67E-04	1.79E-07	5.20E-08	6.12E-04	1.93E-07	5.62E-08	9.78E-04	3.09E-07	8.98E-08
3665	471363.09, 3851377.25	2.57E-04	8.11E-08	2.36E-08	2.77E-04	8.76E-08	2.55E-08	4.41E-04	1.39E-07	4.05E-08
3666	471863.09, 3851377.25	3.13E-04	9.89E-08	2.88E-08	3.38E-04	1.07E-07	3.10E-08	5.37E-04	1.69E-07	4.93E-08
3667	472363.09, 3851377.25	3.20E-04	1.01E-07	2.94E-08	3.45E-04	1.09E-07	3.17E-08	5.48E-04	1.73E-07	5.03E-08
3668	472863.09, 3851377.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.63E-04	1.78E-07	5.17E-08
3669	473363.09, 3851377.25	3.03E-04	9.57E-08	2.78E-08	3.27E-04	1.03E-07	3.00E-08	5.19E-04	1.64E-07	4.77E-08
3670	473863.09, 3851377.25	3.22E-04	1.01E-07	2.95E-08	3.47E-04	1.10E-07	3.19E-08	5.51E-04	1.74E-07	5.06E-08
3671	474363.09, 3851377.25	3.86E-04	1.22E-07	3.54E-08	4.16E-04	1.31E-07	3.82E-08	6.60E-04	2.08E-07	6.06E-08
3672	474863.09, 3851377.25	4.47E-04	1.41E-07	4.10E-08	4.82E-04	1.52E-07	4.43E-08	7.64E-04	2.41E-07	7.01E-08
3673	475363.09, 3851377.25	5.04E-04	1.59E-07	4.62E-08	5.43E-04	1.71E-07	4.99E-08	8.59E-04	2.71E-07	7.88E-08
3674	475863.09, 3851377.25	5.52E-04	1.74E-07	5.06E-08	5.95E-04	1.88E-07	5.46E-08	9.40E-04	2.97E-07	8.63E-08
3675	476363.09, 3851377.25	6.02E-04	1.90E-07	5.52E-08	6.49E-04	2.05E-07	5.96E-08	1.03E-03	3.24E-07	9.42E-08
3676	476863.09, 3851377.25	6.41E-04	2.02E-07	5.88E-08	6.91E-04	2.18E-07	6.35E-08	1.09E-03	3.45E-07	1.00E-07
3677	477363.09, 3851377.25	6.92E-04	2.19E-07	6.36E-08	7.47E-04	2.36E-07	6.86E-08	1.18E-03	3.73E-07	1.08E-07
3678	477863.09, 3851377.25	7.16E-04	2.26E-07	6.58E-08	7.73E-04	2.44E-07	7.09E-08	1.22E-03	3.85E-07	1.12E-07
3679	478363.09, 3851377.25	7.26E-04	2.29E-07	6.67E-08	7.83E-04	2.47E-07	7.19E-08	1.23E-03	3.89E-07	1.13E-07
3680	478863.09, 3851377.25	7.25E-04	2.29E-07	6.65E-08	7.81E-04	2.46E-07	7.17E-08	1.22E-03	3.86E-07	1.12E-07
3681	479363.09, 3851377.25	7.40E-04	2.34E-07	6.79E-08	7.97E-04	2.51E-07	7.32E-08	1.24E-03	3.93E-07	1.14E-07
3682	479863.09, 3851377.25	9.20E-04	2.90E-07	8.45E-08	9.91E-04	3.13E-07	9.10E-08	1.56E-03	4.91E-07	1.43E-07
3683	480363.09, 3851377.25	1.11E-03	3.51E-07	1.02E-07	1.20E-03	3.79E-07	1.10E-07	1.89E-03	5.98E-07	1.74E-07
3684	480863.09, 3851377.25	1.09E-03	3.45E-07	1.00E-07	1.18E-03	3.71E-07	1.08E-07	1.85E-03	5.84E-07	1.70E-07
3685	481363.09, 3851377.25	9.90E-04	3.13E-07	9.09E-08	1.07E-03	3.37E-07	9.80E-08	1.68E-03	5.29E-07	1.54E-07
3686	481863.09, 3851377.25	8.16E-04	2.57E-07	7.49E-08	8.79E-04	2.77E-07	8.07E-08	1.38E-03	4.35E-07	1.27E-07
3687	482363.09, 3851377.25	6.90E-04	2.18E-07	6.34E-08	7.44E-04	2.35E-07	6.83E-08	1.17E-03	3.68E-07	1.07E-07
3688	482863.09, 3851377.25	4.95E-04	1.56E-07	4.55E-08	5.34E-04	1.68E-07	4.90E-08	8.37E-04	2.64E-07	7.68E-08
3689	483363.09, 3851377.25	3.54E-04	1.12E-07	3.25E-08	3.82E-04	1.20E-07	3.50E-08	5.99E-04	1.89E-07	5.49E-08
3690	483863.09, 3851377.25	3.07E-04	9.70E-08	2.82E-08	3.31E-04	1.05E-07	3.04E-08	5.21E-04	1.64E-07	4.78E-08
3691	484363.09, 3851377.25	3.71E-04	1.17E-07	3.40E-08	3.99E-04	1.26E-07	3.66E-08	6.25E-04	1.97E-07	5.74E-08
3692	484863.09, 3851377.25	2.80E-04	8.84E-08	2.57E-08	3.02E-04	9.53E-08	2.77E-08	4.74E-04	1.50E-07	4.35E-08
3693	485363.09, 3851377.25	3.52E-04	1.11E-07	3.23E-08	3.79E-04	1.20E-07	3.48E-08	5.94E-04	1.88E-07	5.46E-08
3694	485863.09, 3851377.25	3.09E-04	9.74E-08	2.83E-08	3.33E-04	1.05E-07	3.05E-08	5.24E-04	1.65E-07	4.81E-08
3695	486363.09, 3851377.25	3.40E-04	1.07E-07	3.12E-08	3.66E-04	1.16E-07	3.36E-08	5.76E-04	1.82E-07	5.29E-08
3696	486863.09, 3851377.25	3.37E-04	1.06E-07	3.10E-08	3.64E-04	1.15E-07	3.34E-08	5.74E-04	1.81E-07	5.27E-08
3697	487363.09, 3851377.25	3.09E-04	9.75E-08	2.84E-08	3.33E-04	1.05E-07	3.06E-08	5.27E-04	1.66E-07	4.84E-08
3698	487863.09, 3851377.25	3.51E-04	1.11E-07	3.22E-08	3.79E-04	1.19E-07	3.48E-08	6.01E-04	1.90E-07	5.51E-08
3699	488363.09, 3851377.25	3.77E-04	1.19E-07	3.46E-08	4.07E-04	1.28E-07	3.73E-08	6.46E-04	2.04E-07	5.93E-08
3700	488863.09, 3851377.25	3.96E-04	1.25E-07	3.63E-08	4.27E-04	1.35E-07	3.92E-08	6.80E-04	2.15E-07	6.25E-08
3701	489363.09, 3851377.25	4.16E-04	1.31E-07	3.82E-08	4.49E-04	1.42E-07	4.13E-08	7.17E-04	2.26E-07	6.58E-08
3702	489863.09, 3851377.25	4.33E-04	1.37E-07	3.97E-08	4.67E-04	1.48E-07	4.29E-08	7.47E-04	2.36E-07	6.85E-08
3703	490363.09, 3851377.25	4.50E-04	1.42E-07	4.13E-08	4.86E-04	1.53E-07	4.46E-08	7.76E-04	2.45E-07	7.12E-08
3704	490863.09, 3851377.25	4.61E-04	1.46E-07	4.24E-08	4.98E-04	1.57E-07	4.58E-08	7.96E-04	2.51E-07	7.31E-08
3705	491363.09, 3851377.25	4.60E-04	1.45E-07	4.23E-08	4.97E-04	1.57E-07	4.57E-08	7.95E-04	2.51E-07	7.30E-08
3706	491863.09, 3851377.25	4.62E-04	1.46E-07	4.24E-08	4.99E-04	1.58E-07	4.58E-08	7.98E-04	2.52E-07	7.32E-08
3707	492363.09, 3851377.25	4.68E-04	1.48E-07	4.29E-08	5.05E-04	1.59E-07	4.64E-08	8.08E-04	2.55E-07	7.42E-08
3708	492863.09, 3851377.25	4.63E-04	1.46E-07	4.25E-08	5.00E-04	1.58E-07	4.59E-08	8.00E-04	2.52E-07	7.34E-08
3709	493363.09, 3851377.25	4.28E-04	1.35E-07	3.93E-08	4.63E-04	1.46E-07	4.25E-08	7.40E-04	2.34E-07	6.80E-08
3710	493863.09, 3851377.25	4.67E-04	1.48E-07	4.29E-08	5.05E-04	1.59E-07	4.64E-08	8.07E-04	2.55E-07	7.41E-08
3711	494363.09, 3851377.25	5.47E-04	1.73E-07	5.02E-08	5.91E-04	1.87E-07	5.43E-08	9.44E-04	2.98E-07	8.67E-08
3712	494863.09, 3851377.25	5.70E-04	1.80E-07	5.23E-08	6.15E-04	1.94E-07	5.65E-08	9.83E-04	3.10E-07	9.03E-08
3713	495363.09, 3851377.25	6.51E-04	2.06E-07	5.98E-08	7.04E-04	2.22E-07	6.46E-08	1.12E-03	3.55E-07	1.03E-07
3714	495863.09, 3851377.25	6.84E-04	2.16E-07	6.28E-08	7.39E-04	2.33E-07	6.78E-08	1.18E-03	3.72E-07	1.08E-07
3715	496363.09, 3851377.25	7.02E-04	2.21E-07	6.44E-08	7.58E-04	2.39E-07	6.96E-08	1.21E-03	3.82E-07	1.11E-07
3716	496863.09, 3851377.25	7.07E-04	2.23E-07	6.49E-08	7.64E-04	2.41E-07	7.01E-08	1.22E-03	3.85E-07	1.12E-07
3717	497363.09, 3851377.25	7.09E-04	2.24E-07	6.51E-08	7.66E-04	2.42E-07	7.03E-08	1.22E-03	3.86E-07	1.12E-07

3718	497863.09, 3851377.25	6.98E-04	2.20E-07	6.41E-08	7.55E-04	2.38E-07	6.93E-08	1.20E-03	3.80E-07	1.11E-07
3719	498363.09, 3851377.25	6.65E-04	2.10E-07	6.11E-08	7.18E-04	2.27E-07	6.60E-08	1.15E-03	3.62E-07	1.05E-07
3720	471363.09, 3851877.25	2.90E-04	9.17E-08	2.67E-08	3.14E-04	9.90E-08	2.88E-08	4.99E-04	1.57E-07	4.58E-08
3721	471863.09, 3851877.25	2.82E-04	8.91E-08	2.59E-08	3.05E-04	9.62E-08	2.80E-08	4.85E-04	1.53E-07	4.45E-08
3722	472363.09, 3851877.25	3.17E-04	1.00E-07	2.91E-08	3.42E-04	1.08E-07	3.14E-08	5.44E-04	1.72E-07	4.99E-08
3723	472863.09, 3851877.25	3.48E-04	1.10E-07	3.19E-08	3.75E-04	1.18E-07	3.45E-08	5.97E-04	1.88E-07	5.48E-08
3724	473363.09, 3851877.25	3.28E-04	1.03E-07	3.01E-08	3.54E-04	1.12E-07	3.25E-08	5.62E-04	1.77E-07	5.16E-08
3725	473863.09, 3851877.25	3.38E-04	1.07E-07	3.10E-08	3.65E-04	1.15E-07	3.35E-08	5.79E-04	1.83E-07	5.31E-08
3726	474363.09, 3851877.25	3.95E-04	1.25E-07	3.63E-08	4.26E-04	1.35E-07	3.91E-08	6.76E-04	2.13E-07	6.21E-08
3727	474863.09, 3851877.25	4.54E-04	1.43E-07	4.16E-08	4.90E-04	1.55E-07	4.49E-08	7.77E-04	2.45E-07	7.13E-08
3728	475363.09, 3851877.25	4.94E-04	1.56E-07	4.53E-08	5.33E-04	1.68E-07	4.89E-08	8.45E-04	2.67E-07	7.76E-08
3729	475863.09, 3851877.25	5.33E-04	1.68E-07	4.90E-08	5.76E-04	1.82E-07	5.28E-08	9.12E-04	2.88E-07	8.37E-08
3730	476363.09, 3851877.25	5.51E-04	1.74E-07	5.06E-08	5.95E-04	1.88E-07	5.46E-08	9.43E-04	2.98E-07	8.65E-08
3731	476863.09, 3851877.25	6.23E-04	1.97E-07	5.72E-08	6.72E-04	2.12E-07	6.17E-08	1.07E-03	3.36E-07	9.78E-08
3732	477363.09, 3851877.25	6.99E-04	2.21E-07	6.42E-08	7.55E-04	2.38E-07	6.93E-08	1.19E-03	3.77E-07	1.10E-07
3733	477863.09, 3851877.25	7.65E-04	2.41E-07	7.02E-08	8.25E-04	2.60E-07	7.57E-08	1.31E-03	4.12E-07	1.20E-07
3734	478363.09, 3851877.25	7.92E-04	2.50E-07	7.28E-08	8.55E-04	2.70E-07	7.85E-08	1.36E-03	4.28E-07	1.24E-07
3735	478863.09, 3851877.25	8.45E-04	2.67E-07	7.76E-08	9.12E-04	2.88E-07	8.37E-08	1.44E-03	4.55E-07	1.32E-07
3736	479363.09, 3851877.25	8.85E-04	2.79E-07	8.13E-08	9.54E-04	3.01E-07	8.76E-08	1.50E-03	4.74E-07	1.38E-07
3737	479863.09, 3851877.25	9.31E-04	2.94E-07	8.55E-08	1.00E-03	3.17E-07	9.21E-08	1.57E-03	4.97E-07	1.44E-07
3738	480363.09, 3851877.25	1.12E-03	3.54E-07	1.03E-07	1.21E-03	3.81E-07	1.11E-07	1.90E-03	5.99E-07	1.74E-07
3739	480863.09, 3851877.25	1.35E-03	4.25E-07	1.24E-07	1.45E-03	4.58E-07	1.33E-07	2.29E-03	7.22E-07	2.10E-07
3740	481363.09, 3851877.25	1.34E-03	4.22E-07	1.23E-07	1.44E-03	4.55E-07	1.32E-07	2.26E-03	7.13E-07	2.07E-07
3741	481863.09, 3851877.25	1.18E-03	3.71E-07	1.08E-07	1.27E-03	4.00E-07	1.16E-07	1.99E-03	6.28E-07	1.83E-07
3742	482363.09, 3851877.25	8.34E-04	2.63E-07	7.66E-08	8.99E-04	2.84E-07	8.25E-08	1.41E-03	4.45E-07	1.29E-07
3743	482863.09, 3851877.25	5.48E-04	1.73E-07	5.03E-08	5.90E-04	1.86E-07	5.42E-08	9.27E-04	2.93E-07	8.51E-08
3744	483363.09, 3851877.25	5.48E-04	1.73E-07	5.03E-08	5.90E-04	1.86E-07	5.42E-08	9.22E-04	2.91E-07	8.47E-08
3745	483863.09, 3851877.25	4.77E-04	1.50E-07	4.38E-08	5.13E-04	1.62E-07	4.71E-08	8.03E-04	2.53E-07	7.37E-08
3746	484363.09, 3851877.25	5.13E-04	1.62E-07	4.71E-08	5.53E-04	1.74E-07	5.08E-08	8.65E-04	2.73E-07	7.94E-08
3747	484863.09, 3851877.25	4.59E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.54E-08	7.75E-04	2.45E-07	7.12E-08
3748	485363.09, 3851877.25	4.75E-04	1.50E-07	4.37E-08	5.12E-04	1.62E-07	4.70E-08	8.03E-04	2.54E-07	7.38E-08
3749	485863.09, 3851877.25	4.91E-04	1.55E-07	4.51E-08	5.30E-04	1.67E-07	4.86E-08	8.31E-04	2.62E-07	7.63E-08
3750	486363.09, 3851877.25	4.54E-04	1.43E-07	4.17E-08	4.90E-04	1.55E-07	4.50E-08	7.72E-04	2.44E-07	7.08E-08
3751	486863.09, 3851877.25	4.71E-04	1.49E-07	4.32E-08	5.08E-04	1.60E-07	4.66E-08	8.03E-04	2.53E-07	7.37E-08
3752	487363.09, 3851877.25	4.88E-04	1.54E-07	4.48E-08	5.26E-04	1.66E-07	4.83E-08	8.35E-04	2.64E-07	7.67E-08
3753	487863.09, 3851877.25	4.64E-04	1.47E-07	4.26E-08	5.01E-04	1.58E-07	4.60E-08	7.99E-04	2.52E-07	7.33E-08
3754	488363.09, 3851877.25	4.97E-04	1.57E-07	4.56E-08	5.37E-04	1.69E-07	4.93E-08	8.56E-04	2.70E-07	7.86E-08
3755	488863.09, 3851877.25	5.04E-04	1.59E-07	4.63E-08	5.44E-04	1.72E-07	5.00E-08	8.70E-04	2.75E-07	7.99E-08
3756	489363.09, 3851877.25	5.15E-04	1.62E-07	4.73E-08	5.56E-04	1.76E-07	5.11E-08	8.89E-04	2.81E-07	8.17E-08
3757	489863.09, 3851877.25	5.33E-04	1.68E-07	4.90E-08	5.76E-04	1.82E-07	5.29E-08	9.22E-04	2.91E-07	8.46E-08
3758	490363.09, 3851877.25	5.63E-04	1.78E-07	5.17E-08	6.08E-04	1.92E-07	5.58E-08	9.72E-04	3.07E-07	8.92E-08
3759	490863.09, 3851877.25	5.94E-04	1.88E-07	5.46E-08	6.42E-04	2.03E-07	5.90E-08	1.03E-03	3.24E-07	9.42E-08
3760	491363.09, 3851877.25	6.28E-04	1.98E-07	5.76E-08	6.78E-04	2.14E-07	6.23E-08	1.08E-03	3.42E-07	9.95E-08
3761	491863.09, 3851877.25	6.51E-04	2.05E-07	5.97E-08	7.03E-04	2.22E-07	6.45E-08	1.12E-03	3.54E-07	1.03E-07
3762	492363.09, 3851877.25	6.40E-04	2.02E-07	5.88E-08	6.92E-04	2.18E-07	6.35E-08	1.10E-03	3.49E-07	1.01E-07
3763	492863.09, 3851877.25	5.70E-04	1.80E-07	5.23E-08	6.16E-04	1.94E-07	5.65E-08	9.84E-04	3.11E-07	9.03E-08
3764	493363.09, 3851877.25	6.69E-04	2.11E-07	6.15E-08	7.23E-04	2.28E-07	6.64E-08	1.16E-03	3.65E-07	1.06E-07
3765	493863.09, 3851877.25	7.79E-04	2.46E-07	7.15E-08	8.41E-04	2.66E-07	7.72E-08	1.34E-03	4.24E-07	1.23E-07
3766	494363.09, 3851877.25	7.60E-04	2.40E-07	6.98E-08	8.21E-04	2.59E-07	7.54E-08	1.31E-03	4.14E-07	1.20E-07
3767	494863.09, 3851877.25	8.32E-04	2.63E-07	7.64E-08	8.98E-04	2.84E-07	8.25E-08	1.43E-03	4.52E-07	1.32E-07
3768	495363.09, 3851877.25	8.78E-04	2.77E-07	8.06E-08	9.48E-04	2.99E-07	8.70E-08	1.51E-03	4.78E-07	1.39E-07
3769	495863.09, 3851877.25	9.05E-04	2.85E-07	8.30E-08	9.77E-04	3.08E-07	8.97E-08	1.56E-03	4.92E-07	1.43E-07
3770	496363.09, 3851877.25	8.93E-04	2.82E-07	8.20E-08	9.65E-04	3.05E-07	8.86E-08	1.54E-03	4.86E-07	1.41E-07
3771	496863.09, 3851877.25	8.75E-04	2.76E-07	8.04E-08	9.45E-04	2.98E-07	8.68E-08	1.51E-03	4.76E-07	1.39E-07
3772	497363.09, 3851877.25	8.51E-04	2.69E-07	7.81E-08	9.19E-04	2.90E-07	8.44E-08	1.47E-03	4.63E-07	1.35E-07
3773	497863.09, 3851877.25	7.99E-04	2.52E-07	7.33E-08	8.63E-04	2.72E-07	7.92E-08	1.38E-03	4.35E-07	1.26E-07
3774	498363.09, 3851877.25	7.52E-04	2.37E-07	6.91E-08	8.13E-04	2.56E-07	7.46E-08	1.30E-03	4.10E-07	1.19E-07
3775	471363.09, 3852377.25	2.67E-04	8.42E-08	2.45E-08	2.88E-04	9.09E-08	2.64E-08	4.58E-04	1.45E-07	4.21E-08
3776	471863.09, 3852377.25	3.05E-04	9.62E-08	2.80E-08	3.29E-04	1.04E-07	3.02E-08	5.23E-04	1.65E-07	4.80E-08
3777	472363.09, 3852377.25	3.33E-04	1.05E-07	3.06E-08	3.59E-04	1.13E-07	3.30E-08	5.72E-04	1.80E-07	5.25E-08
3778	472863.09, 3852377.25	3.54E-04	1.12E-07	3.25E-08	3.83E-04	1.21E-07	3.51E-08	6.09E-04	1.92E-07	5.59E-08

3779	473363.09, 3852377.25	3.66E-04	1.16E-07	3.36E-08	3.96E-04	1.25E-07	3.63E-08	6.29E-04	1.99E-07	5.77E-08
3780	473863.09, 3852377.25	3.72E-04	1.17E-07	3.41E-08	4.01E-04	1.27E-07	3.68E-08	6.38E-04	2.01E-07	5.86E-08
3781	474363.09, 3852377.25	3.83E-04	1.21E-07	3.52E-08	4.13E-04	1.30E-07	3.80E-08	6.57E-04	2.07E-07	6.03E-08
3782	474863.09, 3852377.25	4.91E-04	1.55E-07	4.51E-08	5.30E-04	1.67E-07	4.86E-08	8.41E-04	2.65E-07	7.72E-08
3783	475363.09, 3852377.25	5.10E-04	1.61E-07	4.69E-08	5.51E-04	1.74E-07	5.06E-08	8.74E-04	2.76E-07	8.03E-08
3784	475863.09, 3852377.25	5.23E-04	1.65E-07	4.80E-08	5.65E-04	1.78E-07	5.19E-08	8.96E-04	2.83E-07	8.22E-08
3785	476363.09, 3852377.25	5.24E-04	1.65E-07	4.81E-08	5.65E-04	1.78E-07	5.19E-08	8.96E-04	2.83E-07	8.23E-08
3786	476863.09, 3852377.25	5.68E-04	1.79E-07	5.22E-08	6.13E-04	1.93E-07	5.63E-08	9.72E-04	3.07E-07	8.93E-08
3787	477363.09, 3852377.25	6.02E-04	1.90E-07	5.52E-08	6.49E-04	2.05E-07	5.96E-08	1.03E-03	3.25E-07	9.46E-08
3788	477863.09, 3852377.25	5.46E-04	1.72E-07	5.01E-08	5.90E-04	1.86E-07	5.41E-08	9.36E-04	2.95E-07	8.59E-08
3789	478363.09, 3852377.25	5.18E-04	1.64E-07	4.76E-08	5.59E-04	1.76E-07	5.13E-08	8.87E-04	2.80E-07	8.15E-08
3790	478863.09, 3852377.25	6.95E-04	2.19E-07	6.38E-08	7.49E-04	2.37E-07	6.88E-08	1.19E-03	3.74E-07	1.09E-07
3791	479363.09, 3852377.25	8.24E-04	2.60E-07	7.57E-08	8.89E-04	2.81E-07	8.16E-08	1.41E-03	4.44E-07	1.29E-07
3792	479863.09, 3852377.25	1.04E-03	3.30E-07	9.59E-08	1.13E-03	3.56E-07	1.03E-07	1.78E-03	5.63E-07	1.64E-07
3793	480363.09, 3852377.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.03E-07	1.17E-07	2.00E-03	6.33E-07	1.84E-07
3794	480863.09, 3852377.25	1.42E-03	4.47E-07	1.30E-07	1.53E-03	4.82E-07	1.40E-07	2.40E-03	7.56E-07	2.20E-07
3795	481363.09, 3852377.25	1.71E-03	5.40E-07	1.57E-07	1.84E-03	5.82E-07	1.69E-07	2.90E-03	9.17E-07	2.67E-07
3796	481863.09, 3852377.25	1.69E-03	5.34E-07	1.55E-07	1.82E-03	5.75E-07	1.67E-07	2.85E-03	9.01E-07	2.62E-07
3797	482363.09, 3852377.25	1.48E-03	4.66E-07	1.35E-07	1.59E-03	5.02E-07	1.46E-07	2.48E-03	7.84E-07	2.28E-07
3798	482863.09, 3852377.25	1.22E-03	3.86E-07	1.12E-07	1.32E-03	4.16E-07	1.21E-07	2.07E-03	6.52E-07	1.90E-07
3799	483363.09, 3852377.25	8.11E-04	2.56E-07	7.45E-08	8.73E-04	2.76E-07	8.02E-08	1.36E-03	4.31E-07	1.25E-07
3800	483863.09, 3852377.25	6.35E-04	2.00E-07	5.83E-08	6.84E-04	2.16E-07	6.28E-08	1.07E-03	3.37E-07	9.81E-08
3801	484363.09, 3852377.25	7.05E-04	2.23E-07	6.47E-08	7.60E-04	2.40E-07	6.97E-08	1.19E-03	3.75E-07	1.09E-07
3802	484863.09, 3852377.25	7.52E-04	2.37E-07	6.90E-08	8.10E-04	2.56E-07	7.44E-08	1.27E-03	4.00E-07	1.16E-07
3803	485363.09, 3852377.25	8.03E-04	2.53E-07	7.37E-08	8.64E-04	2.73E-07	7.94E-08	1.35E-03	4.27E-07	1.24E-07
3804	485863.09, 3852377.25	7.51E-04	2.37E-07	6.90E-08	8.10E-04	2.56E-07	7.43E-08	1.27E-03	4.02E-07	1.17E-07
3805	486363.09, 3852377.25	6.67E-04	2.10E-07	6.12E-08	7.19E-04	2.27E-07	6.60E-08	1.14E-03	3.59E-07	1.05E-07
3806	486863.09, 3852377.25	6.75E-04	2.13E-07	6.19E-08	7.28E-04	2.30E-07	6.68E-08	1.16E-03	3.65E-07	1.06E-07
3807	487363.09, 3852377.25	6.66E-04	2.10E-07	6.12E-08	7.20E-04	2.27E-07	6.61E-08	1.15E-03	3.62E-07	1.05E-07
3808	487863.09, 3852377.25	6.65E-04	2.10E-07	6.11E-08	7.18E-04	2.27E-07	6.60E-08	1.15E-03	3.62E-07	1.05E-07
3809	488363.09, 3852377.25	6.62E-04	2.09E-07	6.08E-08	7.15E-04	2.26E-07	6.57E-08	1.14E-03	3.61E-07	1.05E-07
3810	488863.09, 3852377.25	6.52E-04	2.06E-07	5.98E-08	7.04E-04	2.22E-07	6.47E-08	1.13E-03	3.56E-07	1.04E-07
3811	489363.09, 3852377.25	6.54E-04	2.07E-07	6.01E-08	7.07E-04	2.23E-07	6.49E-08	1.13E-03	3.57E-07	1.04E-07
3812	489863.09, 3852377.25	6.30E-04	1.99E-07	5.78E-08	6.80E-04	2.15E-07	6.25E-08	1.09E-03	3.44E-07	1.00E-07
3813	490363.09, 3852377.25	7.04E-04	2.22E-07	6.47E-08	7.61E-04	2.40E-07	6.99E-08	1.22E-03	3.84E-07	1.12E-07
3814	490863.09, 3852377.25	7.65E-04	2.41E-07	7.02E-08	8.26E-04	2.61E-07	7.59E-08	1.32E-03	4.17E-07	1.21E-07
3815	491363.09, 3852377.25	8.93E-04	2.82E-07	8.20E-08	9.65E-04	3.04E-07	8.86E-08	1.54E-03	4.86E-07	1.41E-07
3816	491863.09, 3852377.25	9.23E-04	2.91E-07	8.48E-08	9.97E-04	3.15E-07	9.15E-08	1.59E-03	5.02E-07	1.46E-07
3817	492363.09, 3852377.25	9.36E-04	2.95E-07	8.59E-08	1.01E-03	3.19E-07	9.28E-08	1.61E-03	5.09E-07	1.48E-07
3818	492863.09, 3852377.25	9.92E-04	3.13E-07	9.10E-08	1.07E-03	3.38E-07	9.83E-08	1.71E-03	5.39E-07	1.57E-07
3819	493363.09, 3852377.25	1.09E-03	3.43E-07	9.98E-08	1.17E-03	3.71E-07	1.08E-07	1.87E-03	5.91E-07	1.72E-07
3820	493863.09, 3852377.25	1.08E-03	3.40E-07	9.89E-08	1.16E-03	3.67E-07	1.07E-07	1.86E-03	5.86E-07	1.70E-07
3821	494363.09, 3852377.25	1.07E-03	3.38E-07	9.84E-08	1.16E-03	3.65E-07	1.06E-07	1.85E-03	5.83E-07	1.69E-07
3822	494863.09, 3852377.25	1.12E-03	3.54E-07	1.03E-07	1.21E-03	3.82E-07	1.11E-07	1.93E-03	6.10E-07	1.77E-07
3823	495363.09, 3852377.25	1.17E-03	3.70E-07	1.08E-07	1.27E-03	3.99E-07	1.16E-07	2.02E-03	6.37E-07	1.85E-07
3824	495863.09, 3852377.25	1.13E-03	3.57E-07	1.04E-07	1.22E-03	3.85E-07	1.12E-07	1.95E-03	6.15E-07	1.79E-07
3825	496363.09, 3852377.25	1.08E-03	3.42E-07	9.96E-08	1.17E-03	3.70E-07	1.08E-07	1.87E-03	5.90E-07	1.72E-07
3826	496863.09, 3852377.25	1.05E-03	3.32E-07	9.67E-08	1.14E-03	3.59E-07	1.04E-07	1.82E-03	5.73E-07	1.67E-07
3827	497363.09, 3852377.25	9.63E-04	3.04E-07	8.84E-08	1.04E-03	3.28E-07	9.55E-08	1.66E-03	5.24E-07	1.52E-07
3828	497863.09, 3852377.25	8.78E-04	2.77E-07	8.06E-08	9.48E-04	2.99E-07	8.70E-08	1.51E-03	4.78E-07	1.39E-07
3829	498363.09, 3852377.25	8.00E-04	2.53E-07	7.35E-08	8.65E-04	2.73E-07	7.94E-08	1.38E-03	4.36E-07	1.27E-07
3830	471363.09, 3852877.25	2.79E-04	8.81E-08	2.56E-08	3.02E-04	9.52E-08	2.77E-08	4.80E-04	1.51E-07	4.41E-08
3831	471863.09, 3852877.25	3.10E-04	9.80E-08	2.85E-08	3.35E-04	1.06E-07	3.08E-08	5.33E-04	1.68E-07	4.89E-08
3832	472363.09, 3852877.25	3.45E-04	1.09E-07	3.17E-08	3.73E-04	1.18E-07	3.42E-08	5.93E-04	1.87E-07	5.44E-08
3833	472863.09, 3852877.25	3.74E-04	1.18E-07	3.43E-08	4.04E-04	1.27E-07	3.70E-08	6.42E-04	2.02E-07	5.89E-08
3834	473363.09, 3852877.25	4.05E-04	1.28E-07	3.72E-08	4.37E-04	1.38E-07	4.01E-08	6.95E-04	2.19E-07	6.38E-08
3835	473863.09, 3852877.25	4.45E-04	1.40E-07	4.08E-08	4.80E-04	1.52E-07	4.41E-08	7.63E-04	2.41E-07	7.00E-08
3836	474363.09, 3852877.25	4.84E-04	1.53E-07	4.44E-08	5.23E-04	1.65E-07	4.80E-08	8.30E-04	2.62E-07	7.62E-08
3837	474863.09, 3852877.25	4.55E-04	1.43E-07	4.17E-08	4.91E-04	1.55E-07	4.50E-08	7.80E-04	2.46E-07	7.16E-08
3838	475363.09, 3852877.25	5.03E-04	1.59E-07	4.61E-08	5.42E-04	1.71E-07	4.98E-08	8.62E-04	2.72E-07	7.91E-08
3839	475863.09, 3852877.25	5.23E-04	1.65E-07	4.80E-08	5.64E-04	1.78E-07	5.18E-08	8.96E-04	2.83E-07	8.23E-08

3840	476363.09, 3852877.25	4.99E-04	1.58E-07	4.59E-08	5.39E-04	1.70E-07	4.95E-08	8.56E-04	2.70E-07	7.86E-08
3841	476863.09, 3852877.25	4.47E-04	1.41E-07	4.10E-08	4.82E-04	1.52E-07	4.43E-08	7.65E-04	2.42E-07	7.03E-08
3842	477363.09, 3852877.25	4.15E-04	1.31E-07	3.81E-08	4.48E-04	1.41E-07	4.12E-08	7.12E-04	2.25E-07	6.54E-08
3843	477863.09, 3852877.25	3.84E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.59E-04	2.08E-07	6.05E-08
3844	478363.09, 3852877.25	3.21E-04	1.01E-07	2.95E-08	3.47E-04	1.09E-07	3.18E-08	5.53E-04	1.74E-07	5.08E-08
3845	478863.09, 3852877.25	3.80E-04	1.20E-07	3.49E-08	4.10E-04	1.29E-07	3.77E-08	6.54E-04	2.06E-07	6.01E-08
3846	479363.09, 3852877.25	5.29E-04	1.67E-07	4.86E-08	5.71E-04	1.80E-07	5.24E-08	9.07E-04	2.86E-07	8.33E-08
3847	479863.09, 3852877.25	9.99E-04	3.15E-07	9.17E-08	1.08E-03	3.40E-07	9.89E-08	1.71E-03	5.38E-07	1.57E-07
3848	480363.09, 3852877.25	1.44E-03	4.55E-07	1.32E-07	1.56E-03	4.91E-07	1.43E-07	2.46E-03	7.77E-07	2.26E-07
3849	480863.09, 3852877.25	1.53E-03	4.82E-07	1.40E-07	1.65E-03	5.20E-07	1.51E-07	2.60E-03	8.19E-07	2.38E-07
3850	481363.09, 3852877.25	1.90E-03	6.01E-07	1.75E-07	2.05E-03	6.48E-07	1.88E-07	3.23E-03	1.02E-06	2.96E-07
3851	481863.09, 3852877.25	2.32E-03	7.32E-07	2.13E-07	2.50E-03	7.89E-07	2.29E-07	3.94E-03	1.24E-06	3.61E-07
3852	482363.09, 3852877.25	2.25E-03	7.09E-07	2.06E-07	2.42E-03	7.64E-07	2.22E-07	3.77E-03	1.19E-06	3.46E-07
3853	482863.09, 3852877.25	2.04E-03	6.45E-07	1.88E-07	2.20E-03	6.95E-07	2.02E-07	3.43E-03	1.08E-06	3.15E-07
3854	483363.09, 3852877.25	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.33E-07	1.55E-07	2.63E-03	8.30E-07	2.42E-07
3855	483863.09, 3852877.25	1.01E-03	3.17E-07	9.23E-08	1.08E-03	3.41E-07	9.93E-08	1.68E-03	5.30E-07	1.54E-07
3856	484363.09, 3852877.25	1.20E-03	3.77E-07	1.10E-07	1.29E-03	4.06E-07	1.18E-07	2.00E-03	6.30E-07	1.83E-07
3857	484863.09, 3852877.25	1.30E-03	4.10E-07	1.19E-07	1.40E-03	4.42E-07	1.29E-07	2.19E-03	6.90E-07	2.01E-07
3858	485363.09, 3852877.25	9.84E-04	3.11E-07	9.03E-08	1.06E-03	3.35E-07	9.74E-08	1.67E-03	5.27E-07	1.53E-07
3859	485863.09, 3852877.25	9.48E-04	2.99E-07	8.70E-08	1.02E-03	3.23E-07	9.39E-08	1.62E-03	5.12E-07	1.49E-07
3860	486363.09, 3852877.25	9.09E-04	2.87E-07	8.34E-08	9.82E-04	3.10E-07	9.01E-08	1.57E-03	4.95E-07	1.44E-07
3861	486863.09, 3852877.25	9.42E-04	2.97E-07	8.64E-08	1.02E-03	3.21E-07	9.34E-08	1.63E-03	5.14E-07	1.49E-07
3862	487363.09, 3852877.25	9.27E-04	2.93E-07	8.51E-08	1.00E-03	3.16E-07	9.20E-08	1.61E-03	5.07E-07	1.47E-07
3863	487863.09, 3852877.25	9.24E-04	2.92E-07	8.48E-08	9.99E-04	3.15E-07	9.17E-08	1.60E-03	5.05E-07	1.47E-07
3864	488363.09, 3852877.25	7.61E-04	2.40E-07	6.99E-08	8.23E-04	2.60E-07	7.55E-08	1.32E-03	4.17E-07	1.21E-07
3865	488863.09, 3852877.25	8.39E-04	2.65E-07	7.70E-08	9.07E-04	2.86E-07	8.33E-08	1.45E-03	4.59E-07	1.33E-07
3866	489363.09, 3852877.25	8.78E-04	2.77E-07	8.06E-08	9.49E-04	3.00E-07	8.71E-08	1.52E-03	4.80E-07	1.40E-07
3867	489863.09, 3852877.25	9.10E-04	2.87E-07	8.35E-08	9.83E-04	3.10E-07	9.02E-08	1.57E-03	4.96E-07	1.44E-07
3868	490363.09, 3852877.25	1.12E-03	3.54E-07	1.03E-07	1.21E-03	3.82E-07	1.11E-07	1.93E-03	6.10E-07	1.78E-07
3869	490863.09, 3852877.25	1.22E-03	3.86E-07	1.12E-07	1.32E-03	4.17E-07	1.21E-07	2.11E-03	6.65E-07	1.93E-07
3870	491363.09, 3852877.25	1.30E-03	4.11E-07	1.20E-07	1.41E-03	4.44E-07	1.29E-07	2.24E-03	7.08E-07	2.06E-07
3871	491863.09, 3852877.25	1.33E-03	4.19E-07	1.22E-07	1.43E-03	4.52E-07	1.32E-07	2.29E-03	7.21E-07	2.10E-07
3872	492363.09, 3852877.25	1.36E-03	4.30E-07	1.25E-07	1.47E-03	4.64E-07	1.35E-07	2.35E-03	7.41E-07	2.15E-07
3873	492863.09, 3852877.25	1.45E-03	4.57E-07	1.33E-07	1.56E-03	4.94E-07	1.44E-07	2.49E-03	7.87E-07	2.29E-07
3874	493363.09, 3852877.25	1.50E-03	4.75E-07	1.38E-07	1.62E-03	5.13E-07	1.49E-07	2.59E-03	8.17E-07	2.38E-07
3875	493863.09, 3852877.25	1.49E-03	4.69E-07	1.36E-07	1.60E-03	5.07E-07	1.47E-07	2.56E-03	8.08E-07	2.35E-07
3876	494363.09, 3852877.25	1.47E-03	4.65E-07	1.35E-07	1.59E-03	5.02E-07	1.46E-07	2.54E-03	8.00E-07	2.33E-07
3877	494863.09, 3852877.25	1.48E-03	4.68E-07	1.36E-07	1.60E-03	5.05E-07	1.47E-07	2.55E-03	8.06E-07	2.34E-07
3878	495363.09, 3852877.25	1.41E-03	4.44E-07	1.29E-07	1.52E-03	4.79E-07	1.39E-07	2.42E-03	7.65E-07	2.22E-07
3879	495863.09, 3852877.25	1.33E-03	4.20E-07	1.22E-07	1.44E-03	4.54E-07	1.32E-07	2.29E-03	7.24E-07	2.11E-07
3880	496363.09, 3852877.25	1.31E-03	4.12E-07	1.20E-07	1.41E-03	4.45E-07	1.29E-07	2.25E-03	7.10E-07	2.07E-07
3881	496863.09, 3852877.25	1.25E-03	3.94E-07	1.15E-07	1.35E-03	4.25E-07	1.24E-07	2.15E-03	6.78E-07	1.97E-07
3882	497363.09, 3852877.25	1.08E-03	3.42E-07	9.94E-08	1.17E-03	3.69E-07	1.07E-07	1.87E-03	5.89E-07	1.71E-07
3883	497863.09, 3852877.25	8.50E-04	2.68E-07	7.80E-08	9.18E-04	2.90E-07	8.43E-08	1.47E-03	4.62E-07	1.35E-07
3884	498363.09, 3852877.25	8.03E-04	2.53E-07	7.37E-08	8.67E-04	2.74E-07	7.96E-08	1.38E-03	4.37E-07	1.27E-07
3885	471363.09, 3853377.25	2.88E-04	9.09E-08	2.64E-08	3.11E-04	9.81E-08	2.85E-08	4.95E-04	1.56E-07	4.54E-08
3886	471863.09, 3853377.25	3.15E-04	9.94E-08	2.89E-08	3.40E-04	1.07E-07	3.12E-08	5.41E-04	1.71E-07	4.97E-08
3887	472363.09, 3853377.25	3.45E-04	1.09E-07	3.17E-08	3.72E-04	1.18E-07	3.42E-08	5.92E-04	1.87E-07	5.44E-08
3888	472863.09, 3853377.25	3.76E-04	1.19E-07	3.45E-08	4.06E-04	1.28E-07	3.73E-08	6.45E-04	2.04E-07	5.93E-08
3889	473363.09, 3853377.25	4.02E-04	1.27E-07	3.69E-08	4.34E-04	1.37E-07	3.98E-08	6.90E-04	2.18E-07	6.33E-08
3890	473863.09, 3853377.25	4.32E-04	1.36E-07	3.97E-08	4.66E-04	1.47E-07	4.28E-08	7.41E-04	2.34E-07	6.80E-08
3891	474363.09, 3853377.25	4.62E-04	1.46E-07	4.24E-08	4.99E-04	1.57E-07	4.58E-08	7.93E-04	2.50E-07	7.28E-08
3892	474863.09, 3853377.25	4.59E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.55E-08	7.86E-04	2.48E-07	7.22E-08
3893	475363.09, 3853377.25	4.66E-04	1.47E-07	4.28E-08	5.03E-04	1.59E-07	4.61E-08	7.98E-04	2.52E-07	7.33E-08
3894	475863.09, 3853377.25	4.68E-04	1.48E-07	4.29E-08	5.05E-04	1.59E-07	4.63E-08	8.01E-04	2.53E-07	7.35E-08
3895	476363.09, 3853377.25	4.34E-04	1.37E-07	3.98E-08	4.68E-04	1.48E-07	4.30E-08	7.43E-04	2.35E-07	6.82E-08
3896	476863.09, 3853377.25	3.73E-04	1.18E-07	3.43E-08	4.03E-04	1.27E-07	3.70E-08	6.41E-04	2.02E-07	5.88E-08
3897	477363.09, 3853377.25	3.71E-04	1.17E-07	3.41E-08	4.00E-04	1.26E-07	3.68E-08	6.37E-04	2.01E-07	5.85E-08
3898	477863.09, 3853377.25	3.88E-04	1.23E-07	3.56E-08	4.19E-04	1.32E-07	3.85E-08	6.67E-04	2.11E-07	6.12E-08
3899	478363.09, 3853377.25	3.52E-04	1.11E-07	3.23E-08	3.80E-04	1.20E-07	3.49E-08	6.06E-04	1.91E-07	5.57E-08
3900	478863.09, 3853377.25	2.95E-04	9.33E-08	2.71E-08	3.19E-04	1.01E-07	2.93E-08	5.11E-04	1.61E-07	4.69E-08

3901	479363.09, 3853377.25	4.65E-04	1.47E-07	4.27E-08	5.03E-04	1.59E-07	4.61E-08	8.01E-04	2.53E-07	7.35E-08
3902	479863.09, 3853377.25	7.10E-04	2.24E-07	6.51E-08	7.66E-04	2.42E-07	7.03E-08	1.22E-03	3.84E-07	1.12E-07
3903	480363.09, 3853377.25	1.36E-03	4.28E-07	1.25E-07	1.46E-03	4.62E-07	1.34E-07	2.32E-03	7.33E-07	2.13E-07
3904	480863.09, 3853377.25	1.39E-03	4.40E-07	1.28E-07	1.50E-03	4.75E-07	1.38E-07	2.38E-03	7.51E-07	2.18E-07
3905	481363.09, 3853377.25	2.08E-03	6.55E-07	1.91E-07	2.24E-03	7.07E-07	2.06E-07	3.55E-03	1.12E-06	3.26E-07
3906	481863.09, 3853377.25	2.91E-03	9.19E-07	2.67E-07	3.14E-03	9.91E-07	2.88E-07	4.94E-03	1.56E-06	4.53E-07
3907	482363.09, 3853377.25	3.72E-03	1.18E-06	3.42E-07	4.01E-03	1.26E-06	3.68E-07	6.24E-03	1.97E-06	5.73E-07
3908	482863.09, 3853377.25	3.88E-03	1.23E-06	3.57E-07	4.16E-03	1.31E-06	3.82E-07	6.22E-03	1.96E-06	5.71E-07
3909	483363.09, 3853377.25	3.25E-03	1.03E-06	2.98E-07	3.48E-03	1.10E-06	3.19E-07	5.15E-03	1.62E-06	4.73E-07
3910	483863.09, 3853377.25	2.69E-03	8.50E-07	2.47E-07	2.89E-03	9.12E-07	2.65E-07	4.39E-03	1.39E-06	4.03E-07
3911	484363.09, 3853377.25	2.65E-03	8.37E-07	2.43E-07	2.85E-03	9.00E-07	2.62E-07	4.44E-03	1.40E-06	4.07E-07
3912	484863.09, 3853377.25	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.04E-07	2.05E-07	3.52E-03	1.11E-06	3.24E-07
3913	485363.09, 3853377.25	1.49E-03	4.71E-07	1.37E-07	1.61E-03	5.09E-07	1.48E-07	2.58E-03	8.15E-07	2.37E-07
3914	485863.09, 3853377.25	1.26E-03	3.98E-07	1.16E-07	1.37E-03	4.31E-07	1.25E-07	2.20E-03	6.94E-07	2.02E-07
3915	486363.09, 3853377.25	1.37E-03	4.31E-07	1.25E-07	1.48E-03	4.66E-07	1.36E-07	2.38E-03	7.50E-07	2.18E-07
3916	486863.09, 3853377.25	1.43E-03	4.51E-07	1.31E-07	1.54E-03	4.88E-07	1.42E-07	2.48E-03	7.83E-07	2.28E-07
3917	487363.09, 3853377.25	1.54E-03	4.87E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.67E-03	8.44E-07	2.45E-07
3918	487863.09, 3853377.25	1.62E-03	5.10E-07	1.48E-07	1.75E-03	5.51E-07	1.60E-07	2.79E-03	8.82E-07	2.57E-07
3919	488363.09, 3853377.25	1.71E-03	5.41E-07	1.57E-07	1.85E-03	5.84E-07	1.70E-07	2.96E-03	9.33E-07	2.71E-07
3920	488863.09, 3853377.25	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.88E-07	1.71E-07	2.97E-03	9.38E-07	2.73E-07
3921	489363.09, 3853377.25	1.73E-03	5.46E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.98E-03	9.40E-07	2.73E-07
3922	489863.09, 3853377.25	1.68E-03	5.32E-07	1.55E-07	1.82E-03	5.74E-07	1.67E-07	2.90E-03	9.16E-07	2.66E-07
3923	490363.09, 3853377.25	1.78E-03	5.62E-07	1.63E-07	1.92E-03	6.07E-07	1.77E-07	3.07E-03	9.67E-07	2.81E-07
3924	490863.09, 3853377.25	1.83E-03	5.76E-07	1.68E-07	1.97E-03	6.22E-07	1.81E-07	3.14E-03	9.92E-07	2.89E-07
3925	491363.09, 3853377.25	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.22E-03	1.02E-06	2.95E-07
3926	491863.09, 3853377.25	1.90E-03	6.01E-07	1.75E-07	2.05E-03	6.49E-07	1.89E-07	3.27E-03	1.03E-06	3.01E-07
3927	492363.09, 3853377.25	1.98E-03	6.24E-07	1.81E-07	2.13E-03	6.74E-07	1.96E-07	3.40E-03	1.07E-06	3.12E-07
3928	492863.09, 3853377.25	2.04E-03	6.43E-07	1.87E-07	2.20E-03	6.95E-07	2.02E-07	3.51E-03	1.11E-06	3.22E-07
3929	493363.09, 3853377.25	2.03E-03	6.40E-07	1.86E-07	2.19E-03	6.92E-07	2.01E-07	3.49E-03	1.10E-06	3.21E-07
3930	493863.09, 3853377.25	1.99E-03	6.29E-07	1.83E-07	2.15E-03	6.79E-07	1.98E-07	3.43E-03	1.08E-06	3.15E-07
3931	494363.09, 3853377.25	1.90E-03	6.00E-07	1.75E-07	2.05E-03	6.48E-07	1.89E-07	3.28E-03	1.03E-06	3.01E-07
3932	494863.09, 3853377.25	1.78E-03	5.63E-07	1.64E-07	1.93E-03	6.08E-07	1.77E-07	3.07E-03	9.70E-07	2.82E-07
3933	495363.09, 3853377.25	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.87E-07	1.71E-07	2.97E-03	9.37E-07	2.72E-07
3934	495863.09, 3853377.25	1.63E-03	5.14E-07	1.50E-07	1.76E-03	5.55E-07	1.61E-07	2.81E-03	8.86E-07	2.58E-07
3935	496363.09, 3853377.25	1.50E-03	4.75E-07	1.38E-07	1.62E-03	5.13E-07	1.49E-07	2.59E-03	8.18E-07	2.38E-07
3936	496863.09, 3853377.25	1.33E-03	4.20E-07	1.22E-07	1.44E-03	4.53E-07	1.32E-07	2.29E-03	7.23E-07	2.10E-07
3937	497363.09, 3853377.25	1.13E-03	3.56E-07	1.04E-07	1.22E-03	3.85E-07	1.12E-07	1.94E-03	6.14E-07	1.79E-07
3938	497863.09, 3853377.25	7.99E-04	2.52E-07	7.33E-08	8.63E-04	2.72E-07	7.92E-08	1.38E-03	4.35E-07	1.26E-07
3939	498363.09, 3853377.25	6.47E-04	2.04E-07	5.94E-08	6.99E-04	2.21E-07	6.42E-08	1.12E-03	3.52E-07	1.02E-07
3940	471363.09, 3853877.25	2.99E-04	9.43E-08	2.74E-08	3.23E-04	1.02E-07	2.96E-08	5.14E-04	1.62E-07	4.72E-08
3941	471863.09, 3853877.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.65E-04	1.78E-07	5.18E-08
3942	472363.09, 3853877.25	3.48E-04	1.10E-07	3.20E-08	3.76E-04	1.19E-07	3.45E-08	5.99E-04	1.89E-07	5.50E-08
3943	472863.09, 3853877.25	3.75E-04	1.18E-07	3.44E-08	4.05E-04	1.28E-07	3.71E-08	6.44E-04	2.03E-07	5.91E-08
3944	473363.09, 3853877.25	3.93E-04	1.24E-07	3.61E-08	4.25E-04	1.34E-07	3.90E-08	6.76E-04	2.13E-07	6.20E-08
3945	473863.09, 3853877.25	4.15E-04	1.31E-07	3.81E-08	4.48E-04	1.41E-07	4.12E-08	7.13E-04	2.25E-07	6.55E-08
3946	474363.09, 3853877.25	4.47E-04	1.41E-07	4.10E-08	4.82E-04	1.52E-07	4.43E-08	7.67E-04	2.42E-07	7.04E-08
3947	474863.09, 3853877.25	4.73E-04	1.49E-07	4.34E-08	5.11E-04	1.61E-07	4.69E-08	8.12E-04	2.56E-07	7.45E-08
3948	475363.09, 3853877.25	4.63E-04	1.46E-07	4.25E-08	5.00E-04	1.58E-07	4.59E-08	7.94E-04	2.51E-07	7.29E-08
3949	475863.09, 3853877.25	4.04E-04	1.27E-07	3.71E-08	4.36E-04	1.38E-07	4.00E-08	6.93E-04	2.19E-07	6.36E-08
3950	476363.09, 3853877.25	3.51E-04	1.11E-07	3.23E-08	3.79E-04	1.20E-07	3.48E-08	6.04E-04	1.91E-07	5.54E-08
3951	476863.09, 3853877.25	2.92E-04	9.22E-08	2.68E-08	3.15E-04	9.96E-08	2.90E-08	5.03E-04	1.59E-07	4.62E-08
3952	477363.09, 3853877.25	3.19E-04	1.01E-07	2.93E-08	3.44E-04	1.09E-07	3.16E-08	5.49E-04	1.73E-07	5.04E-08
3953	477863.09, 3853877.25	3.65E-04	1.15E-07	3.35E-08	3.94E-04	1.24E-07	3.62E-08	6.28E-04	1.98E-07	5.77E-08
3954	478363.09, 3853877.25	3.91E-04	1.23E-07	3.58E-08	4.22E-04	1.33E-07	3.87E-08	6.72E-04	2.12E-07	6.17E-08
3955	478863.09, 3853877.25	3.06E-04	9.66E-08	2.81E-08	3.31E-04	1.04E-07	3.04E-08	5.29E-04	1.67E-07	4.86E-08
3956	479363.09, 3853877.25	4.09E-04	1.29E-07	3.75E-08	4.41E-04	1.39E-07	4.05E-08	7.05E-04	2.22E-07	6.47E-08
3957	479863.09, 3853877.25	7.26E-04	2.29E-07	6.67E-08	7.84E-04	2.47E-07	7.20E-08	1.25E-03	3.93E-07	1.14E-07
3958	480363.09, 3853877.25	1.10E-03	3.47E-07	1.01E-07	1.19E-03	3.74E-07	1.09E-07	1.88E-03	5.94E-07	1.73E-07
3959	480863.09, 3853877.25	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.41E-03	1.08E-06	3.13E-07
3960	481363.09, 3853877.25	2.85E-03	9.00E-07	2.62E-07	3.08E-03	9.72E-07	2.83E-07	4.90E-03	1.55E-06	4.50E-07
3961	481863.09, 3853877.25	4.10E-03	1.29E-06	3.76E-07	4.43E-03	1.40E-06	4.06E-07	7.05E-03	2.23E-06	6.48E-07

3962	482363.09, 3853877.25	6.10E-03	1.93E-06	5.60E-07	6.59E-03	2.08E-06	6.05E-07	1.05E-02	3.32E-06	9.65E-07
3963	482863.09, 3853877.25	2.88E-02	9.10E-06	2.65E-06	3.15E-02	9.95E-06	2.89E-06	5.46E-02	1.72E-05	5.01E-06
3964	483363.09, 3853877.25	1.11E-02	3.50E-06	1.02E-06	1.20E-02	3.79E-06	1.10E-06	1.93E-02	6.08E-06	1.77E-06
3965	483863.09, 3853877.25	7.82E-03	2.47E-06	7.18E-07	8.47E-03	2.67E-06	7.77E-07	1.37E-02	4.32E-06	1.26E-06
3966	484363.09, 3853877.25	5.25E-03	1.66E-06	4.82E-07	5.68E-03	1.79E-06	5.21E-07	9.21E-03	2.91E-06	8.46E-07
3967	484863.09, 3853877.25	3.62E-03	1.14E-06	3.33E-07	3.92E-03	1.24E-06	3.60E-07	6.38E-03	2.01E-06	5.86E-07
3968	485363.09, 3853877.25	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.69E-07	2.53E-07	4.48E-03	1.41E-06	4.11E-07
3969	485863.09, 3853877.25	2.73E-03	8.63E-07	2.51E-07	2.96E-03	9.34E-07	2.72E-07	4.78E-03	1.51E-06	4.39E-07
3970	486363.09, 3853877.25	2.67E-03	8.43E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.64E-03	1.47E-06	4.26E-07
3971	486863.09, 3853877.25	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.66E-07	2.52E-07	4.40E-03	1.39E-06	4.04E-07
3972	487363.09, 3853877.25	2.61E-03	8.25E-07	2.40E-07	2.82E-03	8.91E-07	2.59E-07	4.51E-03	1.42E-06	4.14E-07
3973	487863.09, 3853877.25	2.85E-03	8.99E-07	2.62E-07	3.08E-03	9.71E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
3974	488363.09, 3853877.25	2.90E-03	9.16E-07	2.66E-07	3.13E-03	9.89E-07	2.88E-07	4.99E-03	1.58E-06	4.58E-07
3975	488863.09, 3853877.25	3.03E-03	9.57E-07	2.78E-07	3.27E-03	1.03E-06	3.01E-07	5.21E-03	1.65E-06	4.79E-07
3976	489363.09, 3853877.25	2.84E-03	8.97E-07	2.61E-07	3.07E-03	9.68E-07	2.82E-07	4.88E-03	1.54E-06	4.48E-07
3977	489863.09, 3853877.25	2.85E-03	8.99E-07	2.62E-07	3.08E-03	9.71E-07	2.82E-07	4.90E-03	1.55E-06	4.49E-07
3978	490363.09, 3853877.25	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
3979	490863.09, 3853877.25	2.74E-03	8.64E-07	2.51E-07	2.95E-03	9.32E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
3980	491363.09, 3853877.25	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
3981	491863.09, 3853877.25	2.70E-03	8.52E-07	2.48E-07	2.92E-03	9.20E-07	2.68E-07	4.64E-03	1.47E-06	4.26E-07
3982	492363.09, 3853877.25	2.77E-03	8.73E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.76E-03	1.50E-06	4.37E-07
3983	492863.09, 3853877.25	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
3984	493363.09, 3853877.25	2.66E-03	8.40E-07	2.44E-07	2.88E-03	9.07E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
3985	493863.09, 3853877.25	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
3986	494363.09, 3853877.25	2.42E-03	7.65E-07	2.23E-07	2.62E-03	8.27E-07	2.40E-07	4.18E-03	1.32E-06	3.84E-07
3987	494863.09, 3853877.25	2.27E-03	7.16E-07	2.08E-07	2.45E-03	7.73E-07	2.25E-07	3.91E-03	1.23E-06	3.59E-07
3988	495363.09, 3853877.25	1.97E-03	6.21E-07	1.81E-07	2.12E-03	6.71E-07	1.95E-07	3.39E-03	1.07E-06	3.11E-07
3989	495863.09, 3853877.25	1.74E-03	5.50E-07	1.60E-07	1.88E-03	5.94E-07	1.73E-07	3.00E-03	9.47E-07	2.75E-07
3990	496363.09, 3853877.25	1.60E-03	5.04E-07	1.47E-07	1.73E-03	5.45E-07	1.58E-07	2.75E-03	8.69E-07	2.53E-07
3991	496863.09, 3853877.25	1.37E-03	4.31E-07	1.25E-07	1.47E-03	4.66E-07	1.35E-07	2.35E-03	7.43E-07	2.16E-07
3992	497363.09, 3853877.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.04E-07	1.17E-07	2.04E-03	6.44E-07	1.87E-07
3993	497863.09, 3853877.25	9.58E-04	3.02E-07	8.80E-08	1.03E-03	3.27E-07	9.50E-08	1.65E-03	5.21E-07	1.52E-07
3994	498363.09, 3853877.25	8.27E-04	2.61E-07	7.59E-08	8.93E-04	2.82E-07	8.20E-08	1.43E-03	4.50E-07	1.31E-07
3995	471363.09, 3854377.25	3.10E-04	9.79E-08	2.85E-08	3.35E-04	1.06E-07	3.08E-08	5.33E-04	1.68E-07	4.89E-08
3996	471863.09, 3854377.25	3.42E-04	1.08E-07	3.14E-08	3.69E-04	1.16E-07	3.39E-08	5.87E-04	1.85E-07	5.39E-08
3997	472363.09, 3854377.25	3.65E-04	1.15E-07	3.35E-08	3.94E-04	1.24E-07	3.61E-08	6.26E-04	1.98E-07	5.75E-08
3998	472863.09, 3854377.25	3.82E-04	1.20E-07	3.50E-08	4.12E-04	1.30E-07	3.78E-08	6.55E-04	2.07E-07	6.01E-08
3999	473363.09, 3854377.25	4.07E-04	1.28E-07	3.73E-08	4.39E-04	1.39E-07	4.03E-08	6.98E-04	2.20E-07	6.41E-08
4000	473863.09, 3854377.25	4.39E-04	1.38E-07	4.03E-08	4.74E-04	1.49E-07	4.35E-08	7.52E-04	2.37E-07	6.91E-08
4001	474363.09, 3854377.25	4.73E-04	1.49E-07	4.34E-08	5.11E-04	1.61E-07	4.69E-08	8.12E-04	2.56E-07	7.46E-08
4002	474863.09, 3854377.25	4.56E-04	1.44E-07	4.18E-08	4.92E-04	1.55E-07	4.52E-08	7.82E-04	2.47E-07	7.18E-08
4003	475363.09, 3854377.25	3.98E-04	1.26E-07	3.66E-08	4.30E-04	1.36E-07	3.95E-08	6.83E-04	2.16E-07	6.27E-08
4004	475863.09, 3854377.25	2.95E-04	9.32E-08	2.71E-08	3.19E-04	1.01E-07	2.93E-08	5.08E-04	1.60E-07	4.66E-08
4005	476363.09, 3854377.25	2.78E-04	8.77E-08	2.55E-08	3.00E-04	9.47E-08	2.75E-08	4.78E-04	1.51E-07	4.39E-08
4006	476863.09, 3854377.25	2.77E-04	8.75E-08	2.55E-08	3.00E-04	9.45E-08	2.75E-08	4.78E-04	1.51E-07	4.39E-08
4007	477363.09, 3854377.25	2.84E-04	8.95E-08	2.60E-08	3.06E-04	9.67E-08	2.81E-08	4.89E-04	1.54E-07	4.49E-08
4008	477863.09, 3854377.25	2.96E-04	9.34E-08	2.72E-08	3.20E-04	1.01E-07	2.93E-08	5.10E-04	1.61E-07	4.68E-08
4009	478363.09, 3854377.25	3.45E-04	1.09E-07	3.16E-08	3.72E-04	1.18E-07	3.42E-08	5.94E-04	1.87E-07	5.45E-08
4010	478863.09, 3854377.25	3.80E-04	1.20E-07	3.49E-08	4.10E-04	1.30E-07	3.77E-08	6.54E-04	2.07E-07	6.01E-08
4011	479363.09, 3854377.25	5.63E-04	1.78E-07	5.17E-08	6.08E-04	1.92E-07	5.59E-08	9.68E-04	3.05E-07	8.88E-08
4012	479863.09, 3854377.25	7.36E-04	2.32E-07	6.76E-08	7.95E-04	2.51E-07	7.30E-08	1.26E-03	3.98E-07	1.16E-07
4013	480363.09, 3854377.25	1.06E-03	3.36E-07	9.77E-08	1.15E-03	3.62E-07	1.05E-07	1.82E-03	5.74E-07	1.67E-07
4014	480863.09, 3854377.25	1.81E-03	5.72E-07	1.66E-07	1.96E-03	6.18E-07	1.80E-07	3.09E-03	9.77E-07	2.84E-07
4015	481363.09, 3854377.25	3.06E-03	9.66E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.24E-03	1.66E-06	4.81E-07
4016	481863.09, 3854377.25	5.49E-03	1.73E-06	5.04E-07	5.93E-03	1.87E-06	5.44E-07	9.51E-03	3.00E-06	8.73E-07
4017	482363.09, 3854377.25	8.76E-03	2.76E-06	8.04E-07	9.48E-03	2.99E-06	8.70E-07	1.54E-02	4.85E-06	1.41E-06
4018	482863.09, 3854377.25	3.48E-02	1.10E-05	3.20E-06	3.78E-02	1.19E-05	3.47E-06	6.29E-02	1.99E-05	5.78E-06
4019	483363.09, 3854377.25	3.77E-02	1.19E-05	3.46E-06	4.11E-02	1.30E-05	3.77E-06	7.02E-02	2.22E-05	6.44E-06
4020	483863.09, 3854377.25	1.56E-02	4.92E-06	1.43E-06	1.69E-02	5.34E-06	1.55E-06	2.80E-02	8.83E-06	2.57E-06
4021	484363.09, 3854377.25	9.01E-03	2.84E-06	8.27E-07	9.76E-03	3.08E-06	8.96E-07	1.59E-02	5.03E-06	1.46E-06
4022	484863.09, 3854377.25	6.13E-03	1.94E-06	5.63E-07	6.64E-03	2.10E-06	6.09E-07	1.08E-02	3.40E-06	9.88E-07

4023	485363.09, 3854377.25	6.55E-03	2.07E-06	6.01E-07	7.08E-03	2.23E-06	6.50E-07	1.13E-02	3.58E-06	1.04E-06
4024	485863.09, 3854377.25	5.11E-03	1.61E-06	4.69E-07	5.52E-03	1.74E-06	5.07E-07	8.83E-03	2.79E-06	8.10E-07
4025	486363.09, 3854377.25	5.08E-03	1.60E-06	4.67E-07	5.49E-03	1.73E-06	5.04E-07	8.74E-03	2.76E-06	8.03E-07
4026	486863.09, 3854377.25	4.60E-03	1.45E-06	4.22E-07	4.97E-03	1.57E-06	4.56E-07	7.90E-03	2.49E-06	7.25E-07
4027	487363.09, 3854377.25	4.58E-03	1.44E-06	4.20E-07	4.94E-03	1.56E-06	4.53E-07	7.84E-03	2.48E-06	7.20E-07
4028	487863.09, 3854377.25	4.72E-03	1.49E-06	4.34E-07	5.10E-03	1.61E-06	4.68E-07	8.09E-03	2.55E-06	7.43E-07
4029	488363.09, 3854377.25	4.71E-03	1.49E-06	4.32E-07	5.08E-03	1.60E-06	4.66E-07	8.07E-03	2.55E-06	7.41E-07
4030	488863.09, 3854377.25	4.65E-03	1.47E-06	4.27E-07	5.02E-03	1.59E-06	4.61E-07	7.98E-03	2.52E-06	7.32E-07
4031	489363.09, 3854377.25	4.53E-03	1.43E-06	4.16E-07	4.89E-03	1.54E-06	4.49E-07	7.77E-03	2.45E-06	7.13E-07
4032	489863.09, 3854377.25	4.34E-03	1.37E-06	3.99E-07	4.69E-03	1.48E-06	4.31E-07	7.46E-03	2.35E-06	6.85E-07
4033	490363.09, 3854377.25	4.11E-03	1.30E-06	3.77E-07	4.44E-03	1.40E-06	4.07E-07	7.06E-03	2.23E-06	6.48E-07
4034	490863.09, 3854377.25	3.38E-03	1.07E-06	3.10E-07	3.64E-03	1.15E-06	3.35E-07	5.79E-03	1.83E-06	5.32E-07
4035	491363.09, 3854377.25	3.61E-03	1.14E-06	3.31E-07	3.89E-03	1.23E-06	3.58E-07	6.20E-03	1.96E-06	5.69E-07
4036	491863.09, 3854377.25	3.74E-03	1.18E-06	3.43E-07	4.04E-03	1.28E-06	3.71E-07	6.43E-03	2.03E-06	5.91E-07
4037	492363.09, 3854377.25	3.71E-03	1.17E-06	3.41E-07	4.01E-03	1.27E-06	3.68E-07	6.39E-03	2.02E-06	5.87E-07
4038	492863.09, 3854377.25	3.56E-03	1.12E-06	3.27E-07	3.84E-03	1.21E-06	3.53E-07	6.13E-03	1.93E-06	5.63E-07
4039	493363.09, 3854377.25	3.34E-03	1.05E-06	3.07E-07	3.61E-03	1.14E-06	3.31E-07	5.75E-03	1.82E-06	5.28E-07
4040	493863.09, 3854377.25	3.12E-03	9.84E-07	2.86E-07	3.37E-03	1.06E-06	3.09E-07	5.37E-03	1.70E-06	4.93E-07
4041	494363.09, 3854377.25	2.91E-03	9.19E-07	2.67E-07	3.15E-03	9.93E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
4042	494863.09, 3854377.25	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
4043	495363.09, 3854377.25	1.92E-03	6.05E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.30E-03	1.04E-06	3.03E-07
4044	495863.09, 3854377.25	1.63E-03	5.13E-07	1.49E-07	1.76E-03	5.54E-07	1.61E-07	2.80E-03	8.83E-07	2.57E-07
4045	496363.09, 3854377.25	1.48E-03	4.68E-07	1.36E-07	1.60E-03	5.06E-07	1.47E-07	2.56E-03	8.06E-07	2.35E-07
4046	496863.09, 3854377.25	1.31E-03	4.13E-07	1.20E-07	1.41E-03	4.46E-07	1.30E-07	2.25E-03	7.11E-07	2.07E-07
4047	497363.09, 3854377.25	1.06E-03	3.34E-07	9.71E-08	1.14E-03	3.61E-07	1.05E-07	1.82E-03	5.75E-07	1.67E-07
4048	497863.09, 3854377.25	1.07E-03	3.38E-07	9.85E-08	1.16E-03	3.66E-07	1.06E-07	1.85E-03	5.83E-07	1.70E-07
4049	498363.09, 3854377.25	9.36E-04	2.95E-07	8.59E-08	1.01E-03	3.19E-07	9.28E-08	1.61E-03	5.09E-07	1.48E-07
4050	471363.09, 3854877.25	3.16E-04	9.97E-08	2.90E-08	3.41E-04	1.08E-07	3.13E-08	5.42E-04	1.71E-07	4.97E-08
4051	471863.09, 3854877.25	3.42E-04	1.08E-07	3.14E-08	3.69E-04	1.16E-07	3.39E-08	5.86E-04	1.85E-07	5.38E-08
4052	472363.09, 3854877.25	3.65E-04	1.15E-07	3.35E-08	3.94E-04	1.24E-07	3.62E-08	6.26E-04	1.98E-07	5.75E-08
4053	472863.09, 3854877.25	3.76E-04	1.19E-07	3.45E-08	4.06E-04	1.28E-07	3.73E-08	6.45E-04	2.04E-07	5.92E-08
4054	473363.09, 3854877.25	4.13E-04	1.30E-07	3.79E-08	4.46E-04	1.41E-07	4.09E-08	7.08E-04	2.23E-07	6.50E-08
4055	473863.09, 3854877.25	4.50E-04	1.42E-07	4.13E-08	4.86E-04	1.53E-07	4.46E-08	7.72E-04	2.44E-07	7.09E-08
4056	474363.09, 3854877.25	4.98E-04	1.57E-07	4.57E-08	5.38E-04	1.70E-07	4.94E-08	8.55E-04	2.70E-07	7.85E-08
4057	474863.09, 3854877.25	4.18E-04	1.32E-07	3.84E-08	4.51E-04	1.42E-07	4.14E-08	7.16E-04	2.26E-07	6.57E-08
4058	475363.09, 3854877.25	3.35E-04	1.06E-07	3.08E-08	3.62E-04	1.14E-07	3.32E-08	5.75E-04	1.81E-07	5.28E-08
4059	475863.09, 3854877.25	2.69E-04	8.48E-08	2.47E-08	2.90E-04	9.15E-08	2.66E-08	4.61E-04	1.46E-07	4.24E-08
4060	476363.09, 3854877.25	1.94E-04	6.11E-08	1.78E-08	2.09E-04	6.61E-08	1.92E-08	3.34E-04	1.05E-07	3.07E-08
4061	476863.09, 3854877.25	1.96E-04	6.20E-08	1.80E-08	2.12E-04	6.70E-08	1.95E-08	3.39E-04	1.07E-07	3.11E-08
4062	477363.09, 3854877.25	2.37E-04	7.46E-08	2.17E-08	2.55E-04	8.06E-08	2.35E-08	4.08E-04	1.29E-07	3.74E-08
4063	477863.09, 3854877.25	2.77E-04	8.74E-08	2.54E-08	2.99E-04	9.44E-08	2.75E-08	4.77E-04	1.50E-07	4.38E-08
4064	478363.09, 3854877.25	3.66E-04	1.16E-07	3.36E-08	3.96E-04	1.25E-07	3.63E-08	6.30E-04	1.99E-07	5.78E-08
4065	478863.09, 3854877.25	5.14E-04	1.62E-07	4.72E-08	5.54E-04	1.75E-07	5.09E-08	8.81E-04	2.78E-07	8.09E-08
4066	479363.09, 3854877.25	7.25E-04	2.29E-07	6.66E-08	7.83E-04	2.47E-07	7.19E-08	1.24E-03	3.92E-07	1.14E-07
4067	479863.09, 3854877.25	1.02E-03	3.22E-07	9.36E-08	1.10E-03	3.47E-07	1.01E-07	1.74E-03	5.49E-07	1.60E-07
4068	480363.09, 3854877.25	1.38E-03	4.36E-07	1.27E-07	1.49E-03	4.70E-07	1.37E-07	2.35E-03	7.43E-07	2.16E-07
4069	480863.09, 3854877.25	2.24E-03	7.07E-07	2.06E-07	2.42E-03	7.63E-07	2.22E-07	3.82E-03	1.21E-06	3.51E-07
4070	481363.09, 3854877.25	3.19E-03	1.01E-06	2.92E-07	3.44E-03	1.08E-06	3.16E-07	5.44E-03	1.72E-06	5.00E-07
4071	481863.09, 3854877.25	3.55E-03	1.12E-06	3.26E-07	3.83E-03	1.21E-06	3.51E-07	6.04E-03	1.91E-06	5.55E-07
4072	482363.09, 3854877.25	9.14E-03	2.88E-06	8.39E-07	9.88E-03	3.12E-06	9.07E-07	1.59E-02	5.00E-06	1.46E-06
4073	482863.09, 3854877.25	1.88E-02	5.93E-06	1.72E-06	2.03E-02	6.41E-06	1.86E-06	3.27E-02	1.03E-05	3.00E-06
4074	483363.09, 3854877.25	1.06E-01	3.36E-05	9.77E-06	1.15E-01	3.64E-05	1.06E-05	1.90E-01	5.99E-05	1.74E-05
4075	483863.09, 3854877.25	9.44E-02	2.98E-05	8.67E-06	1.01E-01	3.20E-05	9.30E-06	1.55E-01	4.88E-05	1.42E-05
4076	484363.09, 3854877.25	3.09E-02	9.75E-06	2.84E-06	3.32E-02	1.05E-05	3.05E-06	5.14E-02	1.62E-05	4.71E-06
4077	484863.09, 3854877.25	1.95E-02	6.16E-06	1.79E-06	2.10E-02	6.63E-06	1.93E-06	3.29E-02	1.04E-05	3.02E-06
4078	485363.09, 3854877.25	1.45E-02	4.59E-06	1.33E-06	1.57E-02	4.94E-06	1.44E-06	2.46E-02	7.76E-06	2.26E-06
4079	485863.09, 3854877.25	1.13E-02	3.56E-06	1.04E-06	1.22E-02	3.84E-06	1.12E-06	1.91E-02	6.04E-06	1.76E-06
4080	486363.09, 3854877.25	9.20E-03	2.90E-06	8.45E-07	9.92E-03	3.13E-06	9.11E-07	1.57E-02	4.94E-06	1.44E-06
4081	486863.09, 3854877.25	7.95E-03	2.51E-06	7.30E-07	8.58E-03	2.71E-06	7.87E-07	1.35E-02	4.28E-06	1.24E-06
4082	487363.09, 3854877.25	7.63E-03	2.41E-06	7.01E-07	8.24E-03	2.60E-06	7.56E-07	1.30E-02	4.11E-06	1.20E-06
4083	487863.09, 3854877.25	7.35E-03	2.32E-06	6.75E-07	7.93E-03	2.50E-06	7.28E-07	1.26E-02	3.97E-06	1.15E-06

4084	488363.09, 3854877.25	7.13E-03	2.25E-06	6.54E-07	7.69E-03	2.43E-06	7.06E-07	1.22E-02	3.85E-06	1.12E-06
4085	488863.09, 3854877.25	6.98E-03	2.20E-06	6.41E-07	7.53E-03	2.38E-06	6.92E-07	1.20E-02	3.78E-06	1.10E-06
4086	489363.09, 3854877.25	6.61E-03	2.09E-06	6.07E-07	7.14E-03	2.25E-06	6.55E-07	1.14E-02	3.58E-06	1.04E-06
4087	489863.09, 3854877.25	5.97E-03	1.88E-06	5.48E-07	6.45E-03	2.03E-06	5.92E-07	1.03E-02	3.24E-06	9.41E-07
4088	490363.09, 3854877.25	4.50E-03	1.42E-06	4.13E-07	4.86E-03	1.53E-06	4.46E-07	7.72E-03	2.44E-06	7.09E-07
4089	490863.09, 3854877.25	3.29E-03	1.04E-06	3.02E-07	3.55E-03	1.12E-06	3.26E-07	5.64E-03	1.78E-06	5.18E-07
4090	491363.09, 3854877.25	3.46E-03	1.09E-06	3.18E-07	3.74E-03	1.18E-06	3.43E-07	5.94E-03	1.88E-06	5.46E-07
4091	491863.09, 3854877.25	4.80E-03	1.51E-06	4.41E-07	5.18E-03	1.64E-06	4.76E-07	8.26E-03	2.61E-06	7.59E-07
4092	492363.09, 3854877.25	4.70E-03	1.48E-06	4.31E-07	5.07E-03	1.60E-06	4.66E-07	8.09E-03	2.55E-06	7.43E-07
4093	492863.09, 3854877.25	4.38E-03	1.38E-06	4.02E-07	4.73E-03	1.49E-06	4.34E-07	7.55E-03	2.38E-06	6.93E-07
4094	493363.09, 3854877.25	4.01E-03	1.26E-06	3.68E-07	4.33E-03	1.37E-06	3.97E-07	6.91E-03	2.18E-06	6.34E-07
4095	493863.09, 3854877.25	3.70E-03	1.17E-06	3.40E-07	4.00E-03	1.26E-06	3.67E-07	6.38E-03	2.01E-06	5.86E-07
4096	494363.09, 3854877.25	2.86E-03	9.03E-07	2.63E-07	3.09E-03	9.75E-07	2.84E-07	4.92E-03	1.55E-06	4.52E-07
4097	494863.09, 3854877.25	2.13E-03	6.72E-07	1.95E-07	2.30E-03	7.26E-07	2.11E-07	3.66E-03	1.16E-06	3.36E-07
4098	495363.09, 3854877.25	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.87E-07	1.71E-07	2.96E-03	9.35E-07	2.72E-07
4099	495863.09, 3854877.25	1.50E-03	4.73E-07	1.37E-07	1.62E-03	5.10E-07	1.48E-07	2.58E-03	8.13E-07	2.37E-07
4100	496363.09, 3854877.25	1.22E-03	3.87E-07	1.12E-07	1.32E-03	4.17E-07	1.21E-07	2.11E-03	6.65E-07	1.93E-07
4101	496863.09, 3854877.25	1.06E-03	3.34E-07	9.73E-08	1.14E-03	3.61E-07	1.05E-07	1.82E-03	5.76E-07	1.67E-07
4102	497363.09, 3854877.25	1.00E-03	3.16E-07	9.18E-08	1.08E-03	3.41E-07	9.91E-08	1.72E-03	5.43E-07	1.58E-07
4103	497863.09, 3854877.25	1.07E-03	3.38E-07	9.82E-08	1.15E-03	3.65E-07	1.06E-07	1.84E-03	5.81E-07	1.69E-07
4104	498363.09, 3854877.25	1.03E-03	3.24E-07	9.43E-08	1.11E-03	3.50E-07	1.02E-07	1.77E-03	5.58E-07	1.62E-07
4105	471363.09, 3855377.25	3.21E-04	1.01E-07	2.95E-08	3.46E-04	1.09E-07	3.18E-08	5.50E-04	1.74E-07	5.05E-08
4106	471863.09, 3855377.25	3.37E-04	1.06E-07	3.09E-08	3.64E-04	1.15E-07	3.34E-08	5.78E-04	1.82E-07	5.30E-08
4107	472363.09, 3855377.25	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.63E-08	6.29E-04	1.98E-07	5.77E-08
4108	472863.09, 3855377.25	3.84E-04	1.21E-07	3.53E-08	4.15E-04	1.31E-07	3.81E-08	6.59E-04	2.08E-07	6.05E-08
4109	473363.09, 3855377.25	4.28E-04	1.35E-07	3.93E-08	4.62E-04	1.46E-07	4.24E-08	7.35E-04	2.32E-07	6.75E-08
4110	473863.09, 3855377.25	4.67E-04	1.48E-07	4.29E-08	5.05E-04	1.59E-07	4.63E-08	8.02E-04	2.53E-07	7.37E-08
4111	474363.09, 3855377.25	5.03E-04	1.59E-07	4.62E-08	5.43E-04	1.72E-07	4.99E-08	8.64E-04	2.73E-07	7.93E-08
4112	474863.09, 3855377.25	4.33E-04	1.37E-07	3.98E-08	4.67E-04	1.48E-07	4.29E-08	7.43E-04	2.34E-07	6.82E-08
4113	475363.09, 3855377.25	2.31E-04	7.29E-08	2.12E-08	2.49E-04	7.87E-08	2.29E-08	3.96E-04	1.25E-07	3.64E-08
4114	475863.09, 3855377.25	1.87E-04	5.90E-08	1.72E-08	2.02E-04	6.38E-08	1.85E-08	3.22E-04	1.02E-07	2.95E-08
4115	476363.09, 3855377.25	2.19E-04	6.90E-08	2.01E-08	2.36E-04	7.46E-08	2.17E-08	3.76E-04	1.19E-07	3.45E-08
4116	476863.09, 3855377.25	2.19E-04	6.91E-08	2.01E-08	2.37E-04	7.46E-08	2.17E-08	3.76E-04	1.19E-07	3.46E-08
4117	477363.09, 3855377.25	2.45E-04	7.73E-08	2.25E-08	2.65E-04	8.35E-08	2.43E-08	4.21E-04	1.33E-07	3.87E-08
4118	477863.09, 3855377.25	3.15E-04	9.95E-08	2.89E-08	3.40E-04	1.07E-07	3.12E-08	5.41E-04	1.71E-07	4.96E-08
4119	478363.09, 3855377.25	4.06E-04	1.28E-07	3.73E-08	4.38E-04	1.38E-07	4.03E-08	6.96E-04	2.20E-07	6.39E-08
4120	478863.09, 3855377.25	5.15E-04	1.62E-07	4.73E-08	5.56E-04	1.75E-07	5.10E-08	8.82E-04	2.78E-07	8.09E-08
4121	479363.09, 3855377.25	6.98E-04	2.20E-07	6.41E-08	7.54E-04	2.38E-07	6.92E-08	1.19E-03	3.77E-07	1.10E-07
4122	479863.09, 3855377.25	9.27E-04	2.93E-07	8.51E-08	1.00E-03	3.16E-07	9.18E-08	1.58E-03	5.00E-07	1.45E-07
4123	480363.09, 3855377.25	1.43E-03	4.52E-07	1.32E-07	1.55E-03	4.88E-07	1.42E-07	2.44E-03	7.71E-07	2.24E-07
4124	480863.09, 3855377.25	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.41E-07	2.45E-07	4.22E-03	1.33E-06	3.87E-07
4125	481363.09, 3855377.25	4.05E-03	1.28E-06	3.72E-07	4.38E-03	1.38E-06	4.02E-07	6.95E-03	2.19E-06	6.38E-07
4126	481863.09, 3855377.25	5.87E-03	1.85E-06	5.39E-07	6.34E-03	2.00E-06	5.82E-07	1.01E-02	3.18E-06	9.26E-07
4127	482363.09, 3855377.25	7.99E-03	2.52E-06	7.34E-07	8.63E-03	2.72E-06	7.92E-07	1.37E-02	4.33E-06	1.26E-06
4128	482863.09, 3855377.25	1.21E-02	3.81E-06	1.11E-06	1.30E-02	4.11E-06	1.19E-06	2.06E-02	6.52E-06	1.90E-06
4129	483363.09, 3855377.25	2.02E-02	6.38E-06	1.86E-06	2.18E-02	6.88E-06	2.00E-06	3.42E-02	1.08E-05	3.14E-06
4130	483863.09, 3855377.25	8.45E-02	2.67E-05	7.76E-06	9.11E-02	2.88E-05	8.37E-06	1.43E-01	4.52E-05	1.32E-05
4131	484363.09, 3855377.25	1.19E-01	3.75E-05	1.09E-05	1.27E-01	4.02E-05	1.17E-05	1.95E-01	6.15E-05	1.79E-05
4132	484863.09, 3855377.25	5.39E-02	1.70E-05	4.94E-06	5.80E-02	1.83E-05	5.32E-06	9.01E-02	2.84E-05	8.27E-06
4133	485363.09, 3855377.25	3.11E-02	9.82E-06	2.86E-06	3.35E-02	1.06E-05	3.08E-06	5.24E-02	1.65E-05	4.81E-06
4134	485863.09, 3855377.25	2.21E-02	6.98E-06	2.03E-06	2.39E-02	7.53E-06	2.19E-06	3.75E-02	1.18E-05	3.44E-06
4135	486363.09, 3855377.25	1.61E-02	5.09E-06	1.48E-06	1.74E-02	5.49E-06	1.60E-06	2.74E-02	8.64E-06	2.51E-06
4136	486863.09, 3855377.25	1.27E-02	4.00E-06	1.16E-06	1.37E-02	4.31E-06	1.25E-06	2.16E-02	6.80E-06	1.98E-06
4137	487363.09, 3855377.25	1.18E-02	3.72E-06	1.08E-06	1.27E-02	4.02E-06	1.17E-06	2.01E-02	6.36E-06	1.85E-06
4138	487863.09, 3855377.25	1.10E-02	3.48E-06	1.01E-06	1.19E-02	3.75E-06	1.09E-06	1.89E-02	5.95E-06	1.73E-06
4139	488363.09, 3855377.25	1.03E-02	3.27E-06	9.50E-07	1.12E-02	3.53E-06	1.03E-06	1.78E-02	5.60E-06	1.63E-06
4140	488863.09, 3855377.25	9.71E-03	3.06E-06	8.91E-07	1.05E-02	3.31E-06	9.62E-07	1.67E-02	5.26E-06	1.53E-06
4141	489363.09, 3855377.25	8.97E-03	2.83E-06	8.24E-07	9.69E-03	3.06E-06	8.89E-07	1.54E-02	4.87E-06	1.42E-06
4142	489863.09, 3855377.25	8.10E-03	2.56E-06	7.44E-07	8.75E-03	2.76E-06	8.03E-07	1.39E-02	4.40E-06	1.28E-06
4143	490363.09, 3855377.25	7.69E-03	2.43E-06	7.06E-07	8.31E-03	2.62E-06	7.63E-07	1.32E-02	4.18E-06	1.22E-06
4144	490863.09, 3855377.25	4.98E-03	1.57E-06	4.57E-07	5.37E-03	1.70E-06	4.93E-07	8.54E-03	2.70E-06	7.84E-07

4145	491363.09, 3855377.25	4.24E-03	1.34E-06	3.89E-07	4.57E-03	1.44E-06	4.20E-07	7.27E-03	2.30E-06	6.68E-07
4146	491863.09, 3855377.25	5.90E-03	1.86E-06	5.42E-07	6.38E-03	2.01E-06	5.85E-07	1.02E-02	3.21E-06	9.34E-07
4147	492363.09, 3855377.25	5.64E-03	1.78E-06	5.18E-07	6.09E-03	1.92E-06	5.59E-07	9.72E-03	3.07E-06	8.93E-07
4148	492863.09, 3855377.25	5.16E-03	1.63E-06	4.74E-07	5.58E-03	1.76E-06	5.12E-07	8.90E-03	2.81E-06	8.17E-07
4149	493363.09, 3855377.25	4.46E-03	1.41E-06	4.10E-07	4.82E-03	1.52E-06	4.43E-07	7.69E-03	2.43E-06	7.06E-07
4150	493863.09, 3855377.25	3.45E-03	1.09E-06	3.16E-07	3.72E-03	1.18E-06	3.42E-07	5.93E-03	1.87E-06	5.45E-07
4151	494363.09, 3855377.25	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.43E-03	1.40E-06	4.06E-07
4152	494863.09, 3855377.25	1.91E-03	6.04E-07	1.76E-07	2.07E-03	6.52E-07	1.90E-07	3.29E-03	1.04E-06	3.02E-07
4153	495363.09, 3855377.25	1.51E-03	4.75E-07	1.38E-07	1.63E-03	5.13E-07	1.49E-07	2.59E-03	8.18E-07	2.38E-07
4154	495863.09, 3855377.25	1.25E-03	3.93E-07	1.14E-07	1.35E-03	4.25E-07	1.24E-07	2.14E-03	6.76E-07	1.97E-07
4155	496363.09, 3855377.25	1.17E-03	3.69E-07	1.07E-07	1.26E-03	3.98E-07	1.16E-07	2.01E-03	6.34E-07	1.84E-07
4156	496863.09, 3855377.25	1.11E-03	3.50E-07	1.02E-07	1.20E-03	3.78E-07	1.10E-07	1.91E-03	6.03E-07	1.75E-07
4157	497363.09, 3855377.25	1.09E-03	3.45E-07	1.00E-07	1.18E-03	3.73E-07	1.08E-07	1.88E-03	5.94E-07	1.73E-07
4158	497863.09, 3855377.25	1.12E-03	3.53E-07	1.03E-07	1.21E-03	3.81E-07	1.11E-07	1.92E-03	6.08E-07	1.77E-07
4159	498363.09, 3855377.25	1.16E-03	3.65E-07	1.06E-07	1.25E-03	3.94E-07	1.15E-07	1.99E-03	6.28E-07	1.83E-07
4160	471363.09, 3855877.25	3.30E-04	1.04E-07	3.03E-08	3.56E-04	1.12E-07	3.27E-08	5.66E-04	1.79E-07	5.19E-08
4161	471863.09, 3855877.25	3.46E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.93E-04	1.87E-07	5.45E-08
4162	472363.09, 3855877.25	3.84E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.58E-04	2.08E-07	6.04E-08
4163	472863.09, 3855877.25	3.94E-04	1.24E-07	3.61E-08	4.25E-04	1.34E-07	3.90E-08	6.74E-04	2.13E-07	6.19E-08
4164	473363.09, 3855877.25	4.45E-04	1.40E-07	4.09E-08	4.80E-04	1.52E-07	4.41E-08	7.63E-04	2.41E-07	7.00E-08
4165	473863.09, 3855877.25	4.87E-04	1.54E-07	4.47E-08	5.25E-04	1.66E-07	4.82E-08	8.33E-04	2.63E-07	7.65E-08
4166	474363.09, 3855877.25	5.16E-04	1.63E-07	4.73E-08	5.56E-04	1.76E-07	5.11E-08	8.83E-04	2.79E-07	8.11E-08
4167	474863.09, 3855877.25	4.10E-04	1.29E-07	3.77E-08	4.43E-04	1.40E-07	4.06E-08	7.02E-04	2.22E-07	6.44E-08
4168	475363.09, 3855877.25	2.74E-04	8.64E-08	2.51E-08	2.95E-04	9.32E-08	2.71E-08	4.69E-04	1.48E-07	4.30E-08
4169	475863.09, 3855877.25	1.43E-04	4.51E-08	1.31E-08	1.54E-04	4.87E-08	1.42E-08	2.46E-04	7.75E-08	2.26E-08
4170	476363.09, 3855877.25	1.54E-04	4.87E-08	1.42E-08	1.67E-04	5.26E-08	1.53E-08	2.66E-04	8.38E-08	2.44E-08
4171	476863.09, 3855877.25	2.22E-04	6.99E-08	2.03E-08	2.39E-04	7.55E-08	2.20E-08	3.80E-04	1.20E-07	3.49E-08
4172	477363.09, 3855877.25	2.66E-04	8.41E-08	2.45E-08	2.88E-04	9.08E-08	2.64E-08	4.57E-04	1.44E-07	4.19E-08
4173	477863.09, 3855877.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.64E-04	1.78E-07	5.17E-08
4174	478363.09, 3855877.25	4.14E-04	1.31E-07	3.80E-08	4.47E-04	1.41E-07	4.10E-08	7.08E-04	2.23E-07	6.50E-08
4175	478863.09, 3855877.25	5.51E-04	1.74E-07	5.06E-08	5.94E-04	1.88E-07	5.46E-08	9.41E-04	2.97E-07	8.64E-08
4176	479363.09, 3855877.25	7.59E-04	2.39E-07	6.96E-08	8.18E-04	2.58E-07	7.51E-08	1.30E-03	4.09E-07	1.19E-07
4177	479863.09, 3855877.25	1.03E-03	3.26E-07	9.47E-08	1.11E-03	3.51E-07	1.02E-07	1.76E-03	5.55E-07	1.62E-07
4178	480363.09, 3855877.25	1.52E-03	4.80E-07	1.40E-07	1.64E-03	5.17E-07	1.51E-07	2.59E-03	8.18E-07	2.38E-07
4179	480863.09, 3855877.25	2.39E-03	7.55E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.08E-03	1.29E-06	3.74E-07
4180	481363.09, 3855877.25	2.76E-03	8.70E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.69E-03	1.48E-06	4.31E-07
4181	481863.09, 3855877.25	5.33E-03	1.68E-06	4.90E-07	5.76E-03	1.82E-06	5.29E-07	9.13E-03	2.88E-06	8.38E-07
4182	482363.09, 3855877.25	6.83E-03	2.16E-06	6.27E-07	7.37E-03	2.33E-06	6.76E-07	1.17E-02	3.68E-06	1.07E-06
4183	482863.09, 3855877.25	9.19E-03	2.90E-06	8.44E-07	9.91E-03	3.13E-06	9.10E-07	1.57E-02	4.94E-06	1.44E-06
4184	483363.09, 3855877.25	1.28E-02	4.04E-06	1.18E-06	1.38E-02	4.36E-06	1.27E-06	2.17E-02	6.85E-06	1.99E-06
4185	483863.09, 3855877.25	1.96E-02	6.20E-06	1.80E-06	2.12E-02	6.68E-06	1.94E-06	3.30E-02	1.04E-05	3.03E-06
4186	484363.09, 3855877.25	5.38E-02	1.70E-05	4.94E-06	5.78E-02	1.82E-05	5.30E-06	8.85E-02	2.79E-05	8.12E-06
4187	484863.09, 3855877.25	1.57E-01	4.94E-05	1.44E-05	1.69E-01	5.34E-05	1.55E-05	2.69E-01	8.48E-05	2.47E-05
4188	485363.09, 3855877.25	7.01E-02	2.21E-05	6.44E-06	7.57E-02	2.39E-05	6.95E-06	1.20E-01	3.80E-05	1.10E-05
4189	485863.09, 3855877.25	3.84E-02	1.21E-05	3.52E-06	4.14E-02	1.31E-05	3.80E-06	6.58E-02	2.08E-05	6.04E-06
4190	486363.09, 3855877.25	2.51E-02	7.93E-06	2.31E-06	2.71E-02	8.55E-06	2.49E-06	4.30E-02	1.36E-05	3.95E-06
4191	486863.09, 3855877.25	1.94E-02	6.12E-06	1.78E-06	2.09E-02	6.61E-06	1.92E-06	3.32E-02	1.05E-05	3.05E-06
4192	487363.09, 3855877.25	1.74E-02	5.49E-06	1.60E-06	1.88E-02	5.92E-06	1.72E-06	2.98E-02	9.42E-06	2.74E-06
4193	487863.09, 3855877.25	1.58E-02	4.98E-06	1.45E-06	1.70E-02	5.38E-06	1.56E-06	2.71E-02	8.56E-06	2.49E-06
4194	488363.09, 3855877.25	1.42E-02	4.48E-06	1.30E-06	1.53E-02	4.84E-06	1.41E-06	2.44E-02	7.71E-06	2.24E-06
4195	488863.09, 3855877.25	1.29E-02	4.07E-06	1.18E-06	1.39E-02	4.39E-06	1.28E-06	2.22E-02	7.00E-06	2.04E-06
4196	489363.09, 3855877.25	1.17E-02	3.68E-06	1.07E-06	1.26E-02	3.98E-06	1.16E-06	2.01E-02	6.34E-06	1.85E-06
4197	489863.09, 3855877.25	1.06E-02	3.34E-06	9.71E-07	1.14E-02	3.61E-06	1.05E-06	1.82E-02	5.75E-06	1.67E-06
4198	490363.09, 3855877.25	9.67E-03	3.05E-06	8.88E-07	1.04E-02	3.30E-06	9.59E-07	1.67E-02	5.26E-06	1.53E-06
4199	490863.09, 3855877.25	8.61E-03	2.72E-06	7.91E-07	9.31E-03	2.94E-06	8.54E-07	1.49E-02	4.69E-06	1.36E-06
4200	491363.09, 3855877.25	7.16E-03	2.26E-06	6.57E-07	7.73E-03	2.44E-06	7.10E-07	1.23E-02	3.89E-06	1.13E-06
4201	491863.09, 3855877.25	7.22E-03	2.28E-06	6.63E-07	7.80E-03	2.46E-06	7.16E-07	1.25E-02	3.93E-06	1.14E-06
4202	492363.09, 3855877.25	6.44E-03	2.03E-06	5.91E-07	6.96E-03	2.20E-06	6.39E-07	1.11E-02	3.51E-06	1.02E-06
4203	492863.09, 3855877.25	5.80E-03	1.83E-06	5.32E-07	6.26E-03	1.98E-06	5.75E-07	1.00E-02	3.16E-06	9.18E-07
4204	493363.09, 3855877.25	4.42E-03	1.39E-06	4.06E-07	4.77E-03	1.51E-06	4.38E-07	7.62E-03	2.40E-06	6.99E-07
4205	493863.09, 3855877.25	3.15E-03	9.94E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.42E-03	1.71E-06	4.98E-07

4206	494363.09, 3855877.25	2.25E-03	7.11E-07	2.07E-07	2.43E-03	7.68E-07	2.23E-07	3.87E-03	1.22E-06	3.56E-07
4207	494863.09, 3855877.25	1.72E-03	5.43E-07	1.58E-07	1.86E-03	5.87E-07	1.71E-07	2.96E-03	9.34E-07	2.72E-07
4208	495363.09, 3855877.25	1.26E-03	3.97E-07	1.15E-07	1.36E-03	4.28E-07	1.25E-07	2.16E-03	6.82E-07	1.98E-07
4209	495863.09, 3855877.25	1.19E-03	3.75E-07	1.09E-07	1.28E-03	4.05E-07	1.18E-07	2.04E-03	6.45E-07	1.88E-07
4210	496363.09, 3855877.25	1.14E-03	3.61E-07	1.05E-07	1.24E-03	3.90E-07	1.13E-07	1.97E-03	6.21E-07	1.81E-07
4211	496863.09, 3855877.25	1.15E-03	3.63E-07	1.06E-07	1.24E-03	3.92E-07	1.14E-07	1.98E-03	6.24E-07	1.81E-07
4212	497363.09, 3855877.25	1.16E-03	3.67E-07	1.07E-07	1.26E-03	3.97E-07	1.15E-07	2.00E-03	6.32E-07	1.84E-07
4213	497863.09, 3855877.25	1.20E-03	3.79E-07	1.10E-07	1.30E-03	4.09E-07	1.19E-07	2.06E-03	6.52E-07	1.90E-07
4214	498363.09, 3855877.25	1.32E-03	4.17E-07	1.21E-07	1.43E-03	4.50E-07	1.31E-07	2.27E-03	7.17E-07	2.08E-07
4215	471363.09, 3856377.25	3.39E-04	1.07E-07	3.12E-08	3.66E-04	1.16E-07	3.36E-08	5.81E-04	1.83E-07	5.33E-08
4216	471863.09, 3856377.25	3.53E-04	1.12E-07	3.24E-08	3.81E-04	1.20E-07	3.50E-08	6.05E-04	1.91E-07	5.55E-08
4217	472363.09, 3856377.25	3.81E-04	1.20E-07	3.50E-08	4.12E-04	1.30E-07	3.78E-08	6.53E-04	2.06E-07	5.99E-08
4218	472863.09, 3856377.25	4.18E-04	1.32E-07	3.83E-08	4.51E-04	1.42E-07	4.14E-08	7.15E-04	2.26E-07	6.56E-08
4219	473363.09, 3856377.25	4.50E-04	1.42E-07	4.13E-08	4.86E-04	1.53E-07	4.46E-08	7.70E-04	2.43E-07	7.07E-08
4220	473863.09, 3856377.25	5.09E-04	1.61E-07	4.68E-08	5.50E-04	1.73E-07	5.05E-08	8.72E-04	2.75E-07	8.00E-08
4221	474363.09, 3856377.25	5.03E-04	1.59E-07	4.61E-08	5.42E-04	1.71E-07	4.98E-08	8.60E-04	2.71E-07	7.89E-08
4222	474863.09, 3856377.25	4.71E-04	1.49E-07	4.33E-08	5.08E-04	1.60E-07	4.67E-08	8.05E-04	2.54E-07	7.39E-08
4223	475363.09, 3856377.25	3.77E-04	1.19E-07	3.46E-08	4.07E-04	1.28E-07	3.74E-08	6.45E-04	2.03E-07	5.92E-08
4224	475863.09, 3856377.25	2.70E-04	8.54E-08	2.48E-08	2.92E-04	9.21E-08	2.68E-08	4.62E-04	1.46E-07	4.24E-08
4225	476363.09, 3856377.25	2.61E-04	8.24E-08	2.40E-08	2.82E-04	8.90E-08	2.59E-08	4.47E-04	1.41E-07	4.10E-08
4226	476863.09, 3856377.25	2.72E-04	8.59E-08	2.50E-08	2.94E-04	9.27E-08	2.70E-08	4.66E-04	1.47E-07	4.28E-08
4227	477363.09, 3856377.25	2.96E-04	9.35E-08	2.72E-08	3.20E-04	1.01E-07	2.93E-08	5.06E-04	1.60E-07	4.65E-08
4228	477863.09, 3856377.25	2.54E-04	8.01E-08	2.33E-08	2.74E-04	8.64E-08	2.51E-08	4.34E-04	1.37E-07	3.98E-08
4229	478363.09, 3856377.25	2.38E-04	7.50E-08	2.18E-08	2.56E-04	8.09E-08	2.35E-08	4.06E-04	1.28E-07	3.73E-08
4230	478863.09, 3856377.25	4.38E-04	1.38E-07	4.02E-08	4.72E-04	1.49E-07	4.34E-08	7.48E-04	2.36E-07	6.86E-08
4231	479363.09, 3856377.25	5.77E-04	1.82E-07	5.29E-08	6.22E-04	1.96E-07	5.71E-08	9.84E-04	3.11E-07	9.04E-08
4232	479863.09, 3856377.25	9.87E-04	3.11E-07	9.06E-08	1.06E-03	3.36E-07	9.77E-08	1.68E-03	5.31E-07	1.54E-07
4233	480363.09, 3856377.25	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.59E-07	1.63E-07	2.80E-03	8.83E-07	2.57E-07
4234	480863.09, 3856377.25	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.20E-07	2.39E-07	4.11E-03	1.30E-06	3.77E-07
4235	481363.09, 3856377.25	3.46E-03	1.09E-06	3.18E-07	3.73E-03	1.18E-06	3.43E-07	5.92E-03	1.87E-06	5.43E-07
4236	481863.09, 3856377.25	4.83E-03	1.52E-06	4.43E-07	5.21E-03	1.65E-06	4.79E-07	8.27E-03	2.61E-06	7.59E-07
4237	482363.09, 3856377.25	5.89E-03	1.86E-06	5.41E-07	6.35E-03	2.01E-06	5.83E-07	1.00E-02	3.17E-06	9.22E-07
4238	482863.09, 3856377.25	7.43E-03	2.35E-06	6.83E-07	8.02E-03	2.53E-06	7.36E-07	1.26E-02	3.99E-06	1.16E-06
4239	483363.09, 3856377.25	9.53E-03	3.01E-06	8.75E-07	1.03E-02	3.24E-06	9.43E-07	1.61E-02	5.09E-06	1.48E-06
4240	483863.09, 3856377.25	1.29E-02	4.06E-06	1.18E-06	1.39E-02	4.37E-06	1.27E-06	2.17E-02	6.84E-06	1.99E-06
4241	484363.09, 3856377.25	1.87E-02	5.91E-06	1.72E-06	2.02E-02	6.36E-06	1.85E-06	3.14E-02	9.90E-06	2.88E-06
4242	484863.09, 3856377.25	3.87E-02	1.22E-05	3.55E-06	4.15E-02	1.31E-05	3.81E-06	6.33E-02	2.00E-05	5.81E-06
4243	485363.09, 3856377.25	1.45E-01	4.57E-05	1.33E-05	1.56E-01	4.93E-05	1.43E-05	2.45E-01	7.75E-05	2.25E-05
4244	485863.09, 3856377.25	8.84E-02	2.79E-05	8.12E-06	9.56E-02	3.02E-05	8.78E-06	1.54E-01	4.86E-05	1.41E-05
4245	486363.09, 3856377.25	3.90E-02	1.23E-05	3.58E-06	4.21E-02	1.33E-05	3.87E-06	6.74E-02	2.13E-05	6.19E-06
4246	486863.09, 3856377.25	2.98E-02	9.41E-06	2.74E-06	3.22E-02	1.02E-05	2.96E-06	5.14E-02	1.62E-05	4.72E-06
4247	487363.09, 3856377.25	2.50E-02	7.89E-06	2.29E-06	2.70E-02	8.52E-06	2.48E-06	4.31E-02	1.36E-05	3.96E-06
4248	487863.09, 3856377.25	2.17E-02	6.84E-06	1.99E-06	2.34E-02	7.39E-06	2.15E-06	3.74E-02	1.18E-05	3.43E-06
4249	488363.09, 3856377.25	1.88E-02	5.93E-06	1.73E-06	2.03E-02	6.41E-06	1.86E-06	3.24E-02	1.02E-05	2.97E-06
4250	488863.09, 3856377.25	1.65E-02	5.20E-06	1.51E-06	1.78E-02	5.62E-06	1.63E-06	2.84E-02	8.97E-06	2.61E-06
4251	489363.09, 3856377.25	1.45E-02	4.59E-06	1.34E-06	1.57E-02	4.96E-06	1.44E-06	2.51E-02	7.92E-06	2.30E-06
4252	489863.09, 3856377.25	1.29E-02	4.08E-06	1.19E-06	1.40E-02	4.41E-06	1.28E-06	2.23E-02	7.04E-06	2.05E-06
4253	490363.09, 3856377.25	1.15E-02	3.62E-06	1.05E-06	1.24E-02	3.91E-06	1.14E-06	1.98E-02	6.25E-06	1.82E-06
4254	490863.09, 3856377.25	1.02E-02	3.22E-06	9.36E-07	1.10E-02	3.48E-06	1.01E-06	1.76E-02	5.56E-06	1.62E-06
4255	491363.09, 3856377.25	9.14E-03	2.88E-06	8.39E-07	9.88E-03	3.12E-06	9.07E-07	1.58E-02	4.99E-06	1.45E-06
4256	491863.09, 3856377.25	8.14E-03	2.57E-06	7.47E-07	8.79E-03	2.78E-06	8.07E-07	1.41E-02	4.44E-06	1.29E-06
4257	492363.09, 3856377.25	7.09E-03	2.24E-06	6.51E-07	7.66E-03	2.42E-06	7.03E-07	1.23E-02	3.87E-06	1.12E-06
4258	492863.09, 3856377.25	5.66E-03	1.79E-06	5.20E-07	6.12E-03	1.93E-06	5.62E-07	9.77E-03	3.08E-06	8.97E-07
4259	493363.09, 3856377.25	3.63E-03	1.15E-06	3.34E-07	3.92E-03	1.24E-06	3.60E-07	6.26E-03	1.97E-06	5.74E-07
4260	493863.09, 3856377.25	2.81E-03	8.88E-07	2.58E-07	3.04E-03	9.59E-07	2.79E-07	4.84E-03	1.53E-06	4.44E-07
4261	494363.09, 3856377.25	2.06E-03	6.51E-07	1.89E-07	2.23E-03	7.03E-07	2.04E-07	3.55E-03	1.12E-06	3.26E-07
4262	494863.09, 3856377.25	1.56E-03	4.91E-07	1.43E-07	1.68E-03	5.31E-07	1.54E-07	2.68E-03	8.45E-07	2.46E-07
4263	495363.09, 3856377.25	1.26E-03	3.97E-07	1.16E-07	1.36E-03	4.29E-07	1.25E-07	2.16E-03	6.83E-07	1.99E-07
4264	495863.09, 3856377.25	1.18E-03	3.73E-07	1.08E-07	1.28E-03	4.03E-07	1.17E-07	2.03E-03	6.41E-07	1.86E-07
4265	496363.09, 3856377.25	1.16E-03	3.65E-07	1.06E-07	1.25E-03	3.94E-07	1.15E-07	1.99E-03	6.28E-07	1.83E-07
4266	496863.09, 3856377.25	1.21E-03	3.82E-07	1.11E-07	1.31E-03	4.12E-07	1.20E-07	2.08E-03	6.57E-07	1.91E-07

4267	497363.09, 3856377.25	1.25E-03	3.94E-07	1.15E-07	1.35E-03	4.26E-07	1.24E-07	2.15E-03	6.78E-07	1.97E-07
4268	497863.09, 3856377.25	1.33E-03	4.21E-07	1.22E-07	1.44E-03	4.54E-07	1.32E-07	2.29E-03	7.23E-07	2.10E-07
4269	498363.09, 3856377.25	1.45E-03	4.57E-07	1.33E-07	1.56E-03	4.94E-07	1.44E-07	2.49E-03	7.87E-07	2.29E-07
4270	471363.09, 3856877.25	3.53E-04	1.12E-07	3.24E-08	3.81E-04	1.20E-07	3.50E-08	6.04E-04	1.91E-07	5.55E-08
4271	471863.09, 3856877.25	3.63E-04	1.15E-07	3.34E-08	3.92E-04	1.24E-07	3.60E-08	6.21E-04	1.96E-07	5.70E-08
4272	472363.09, 3856877.25	3.90E-04	1.23E-07	3.58E-08	4.21E-04	1.33E-07	3.87E-08	6.67E-04	2.11E-07	6.13E-08
4273	472863.09, 3856877.25	4.19E-04	1.32E-07	3.85E-08	4.52E-04	1.43E-07	4.15E-08	7.16E-04	2.26E-07	6.58E-08
4274	473363.09, 3856877.25	4.75E-04	1.50E-07	4.36E-08	5.13E-04	1.62E-07	4.71E-08	8.12E-04	2.56E-07	7.46E-08
4275	473863.09, 3856877.25	5.11E-04	1.61E-07	4.69E-08	5.52E-04	1.74E-07	5.06E-08	8.74E-04	2.76E-07	8.03E-08
4276	474363.09, 3856877.25	4.99E-04	1.58E-07	4.58E-08	5.39E-04	1.70E-07	4.94E-08	8.53E-04	2.69E-07	7.83E-08
4277	474863.09, 3856877.25	4.63E-04	1.46E-07	4.25E-08	5.00E-04	1.58E-07	4.59E-08	7.92E-04	2.50E-07	7.27E-08
4278	475363.09, 3856877.25	3.92E-04	1.24E-07	3.59E-08	4.22E-04	1.33E-07	3.88E-08	6.69E-04	2.11E-07	6.14E-08
4279	475863.09, 3856877.25	3.95E-04	1.25E-07	3.63E-08	4.26E-04	1.34E-07	3.91E-08	6.74E-04	2.13E-07	6.19E-08
4280	476363.09, 3856877.25	3.47E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.91E-04	1.87E-07	5.43E-08
4281	476863.09, 3856877.25	3.39E-04	1.07E-07	3.11E-08	3.66E-04	1.15E-07	3.36E-08	5.78E-04	1.83E-07	5.31E-08
4282	477363.09, 3856877.25	3.09E-04	9.76E-08	2.84E-08	3.34E-04	1.05E-07	3.06E-08	5.28E-04	1.66E-07	4.84E-08
4283	477863.09, 3856877.25	2.28E-04	7.19E-08	2.09E-08	2.46E-04	7.76E-08	2.26E-08	3.89E-04	1.23E-07	3.57E-08
4284	478363.09, 3856877.25	2.11E-04	6.66E-08	1.94E-08	2.28E-04	7.18E-08	2.09E-08	3.60E-04	1.14E-07	3.31E-08
4285	478863.09, 3856877.25	2.66E-04	8.40E-08	2.44E-08	2.87E-04	9.06E-08	2.64E-08	4.54E-04	1.43E-07	4.17E-08
4286	479363.09, 3856877.25	3.57E-04	1.13E-07	3.28E-08	3.85E-04	1.22E-07	3.54E-08	6.09E-04	1.92E-07	5.59E-08
4287	479863.09, 3856877.25	8.79E-04	2.77E-07	8.07E-08	9.48E-04	2.99E-07	8.70E-08	1.50E-03	4.72E-07	1.37E-07
4288	480363.09, 3856877.25	1.57E-03	4.94E-07	1.44E-07	1.69E-03	5.33E-07	1.55E-07	2.67E-03	8.42E-07	2.45E-07
4289	480863.09, 3856877.25	2.46E-03	7.75E-07	2.26E-07	2.65E-03	8.37E-07	2.43E-07	4.20E-03	1.32E-06	3.85E-07
4290	481363.09, 3856877.25	3.32E-03	1.05E-06	3.05E-07	3.58E-03	1.13E-06	3.29E-07	5.68E-03	1.79E-06	5.21E-07
4291	481863.09, 3856877.25	4.13E-03	1.30E-06	3.79E-07	4.46E-03	1.41E-06	4.09E-07	7.05E-03	2.23E-06	6.48E-07
4292	482363.09, 3856877.25	5.09E-03	1.61E-06	4.67E-07	5.49E-03	1.73E-06	5.04E-07	8.67E-03	2.74E-06	7.96E-07
4293	482863.09, 3856877.25	6.10E-03	1.93E-06	5.60E-07	6.58E-03	2.08E-06	6.04E-07	1.04E-02	3.27E-06	9.51E-07
4294	483363.09, 3856877.25	7.49E-03	2.36E-06	6.88E-07	8.07E-03	2.55E-06	7.41E-07	1.27E-02	4.00E-06	1.16E-06
4295	483863.09, 3856877.25	9.46E-03	2.99E-06	8.69E-07	1.02E-02	3.22E-06	9.36E-07	1.60E-02	5.04E-06	1.47E-06
4296	484363.09, 3856877.25	1.25E-02	3.94E-06	1.15E-06	1.34E-02	4.24E-06	1.23E-06	2.10E-02	6.62E-06	1.93E-06
4297	484863.09, 3856877.25	1.75E-02	5.51E-06	1.60E-06	1.88E-02	5.93E-06	1.73E-06	2.92E-02	9.21E-06	2.68E-06
4298	485363.09, 3856877.25	3.26E-02	1.03E-05	2.99E-06	3.50E-02	1.10E-05	3.21E-06	5.36E-02	1.69E-05	4.92E-06
4299	485863.09, 3856877.25	1.32E-01	4.17E-05	1.21E-05	1.42E-01	4.48E-05	1.30E-05	2.20E-01	6.95E-05	2.02E-05
4300	486363.09, 3856877.25	8.22E-02	2.59E-05	7.55E-06	8.88E-02	2.80E-05	8.15E-06	1.42E-01	4.48E-05	1.30E-05
4301	486863.09, 3856877.25	4.88E-02	1.54E-05	4.48E-06	5.27E-02	1.66E-05	4.84E-06	8.44E-02	2.66E-05	7.75E-06
4302	487363.09, 3856877.25	3.67E-02	1.16E-05	3.37E-06	3.97E-02	1.25E-05	3.64E-06	6.35E-02	2.00E-05	5.83E-06
4303	487863.09, 3856877.25	2.92E-02	9.22E-06	2.68E-06	3.16E-02	9.97E-06	2.90E-06	5.05E-02	1.59E-05	4.64E-06
4304	488363.09, 3856877.25	2.41E-02	7.61E-06	2.21E-06	2.61E-02	8.22E-06	2.39E-06	4.17E-02	1.32E-05	3.83E-06
4305	488863.09, 3856877.25	2.02E-02	6.39E-06	1.86E-06	2.19E-02	6.90E-06	2.01E-06	3.50E-02	1.10E-05	3.21E-06
4306	489363.09, 3856877.25	1.73E-02	5.47E-06	1.59E-06	1.87E-02	5.91E-06	1.72E-06	3.00E-02	9.46E-06	2.75E-06
4307	489863.09, 3856877.25	1.50E-02	4.72E-06	1.37E-06	1.62E-02	5.11E-06	1.49E-06	2.59E-02	8.18E-06	2.38E-06
4308	490363.09, 3856877.25	1.30E-02	4.10E-06	1.19E-06	1.40E-02	4.43E-06	1.29E-06	2.25E-02	7.09E-06	2.06E-06
4309	490863.09, 3856877.25	1.14E-02	3.58E-06	1.04E-06	1.23E-02	3.87E-06	1.13E-06	1.97E-02	6.20E-06	1.80E-06
4310	491363.09, 3856877.25	9.98E-03	3.15E-06	9.16E-07	1.08E-02	3.40E-06	9.90E-07	1.73E-02	5.45E-06	1.59E-06
4311	491863.09, 3856877.25	8.75E-03	2.76E-06	8.03E-07	9.45E-03	2.98E-06	8.68E-07	1.51E-02	4.78E-06	1.39E-06
4312	492363.09, 3856877.25	6.86E-03	2.16E-06	6.30E-07	7.41E-03	2.34E-06	6.80E-07	1.19E-02	3.74E-06	1.09E-06
4313	492863.09, 3856877.25	5.26E-03	1.66E-06	4.83E-07	5.68E-03	1.79E-06	5.22E-07	9.07E-03	2.86E-06	8.33E-07
4314	493363.09, 3856877.25	3.79E-03	1.20E-06	3.48E-07	4.09E-03	1.29E-06	3.76E-07	6.53E-03	2.06E-06	5.99E-07
4315	493863.09, 3856877.25	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
4316	494363.09, 3856877.25	1.86E-03	5.87E-07	1.71E-07	2.01E-03	6.34E-07	1.84E-07	3.20E-03	1.01E-06	2.93E-07
4317	494863.09, 3856877.25	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.27E-07	1.53E-07	2.66E-03	8.39E-07	2.44E-07
4318	495363.09, 3856877.25	1.37E-03	4.31E-07	1.25E-07	1.48E-03	4.66E-07	1.35E-07	2.35E-03	7.41E-07	2.16E-07
4319	495863.09, 3856877.25	1.31E-03	4.12E-07	1.20E-07	1.41E-03	4.45E-07	1.29E-07	2.24E-03	7.08E-07	2.06E-07
4320	496363.09, 3856877.25	1.27E-03	3.99E-07	1.16E-07	1.37E-03	4.31E-07	1.25E-07	2.17E-03	6.86E-07	2.00E-07
4321	496863.09, 3856877.25	1.27E-03	4.02E-07	1.17E-07	1.37E-03	4.34E-07	1.26E-07	2.19E-03	6.91E-07	2.01E-07
4322	497363.09, 3856877.25	1.32E-03	4.17E-07	1.21E-07	1.43E-03	4.50E-07	1.31E-07	2.27E-03	7.16E-07	2.08E-07
4323	497863.09, 3856877.25	1.46E-03	4.61E-07	1.34E-07	1.58E-03	4.98E-07	1.45E-07	2.51E-03	7.93E-07	2.31E-07
4324	498363.09, 3856877.25	1.63E-03	5.16E-07	1.50E-07	1.76E-03	5.57E-07	1.62E-07	2.81E-03	8.88E-07	2.58E-07
4325	471363.09, 3857377.25	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.64E-08	6.28E-04	1.98E-07	5.76E-08
4326	471863.09, 3857377.25	3.76E-04	1.19E-07	3.45E-08	4.06E-04	1.28E-07	3.73E-08	6.43E-04	2.03E-07	5.91E-08
4327	472363.09, 3857377.25	3.99E-04	1.26E-07	3.66E-08	4.30E-04	1.36E-07	3.95E-08	6.82E-04	2.15E-07	6.26E-08

4328	472863.09, 3857377.25	4.30E-04	1.36E-07	3.95E-08	4.64E-04	1.46E-07	4.26E-08	7.36E-04	2.32E-07	6.76E-08
4329	473363.09, 3857377.25	4.73E-04	1.49E-07	4.35E-08	5.11E-04	1.61E-07	4.69E-08	8.11E-04	2.56E-07	7.44E-08
4330	473863.09, 3857377.25	5.30E-04	1.67E-07	4.87E-08	5.72E-04	1.81E-07	5.25E-08	9.08E-04	2.87E-07	8.34E-08
4331	474363.09, 3857377.25	4.98E-04	1.57E-07	4.57E-08	5.37E-04	1.70E-07	4.93E-08	8.53E-04	2.69E-07	7.83E-08
4332	474863.09, 3857377.25	3.69E-04	1.17E-07	3.39E-08	3.98E-04	1.26E-07	3.66E-08	6.31E-04	1.99E-07	5.79E-08
4333	475363.09, 3857377.25	2.57E-04	8.12E-08	2.36E-08	2.78E-04	8.76E-08	2.55E-08	4.39E-04	1.39E-07	4.03E-08
4334	475863.09, 3857377.25	2.43E-04	7.68E-08	2.23E-08	2.62E-04	8.28E-08	2.41E-08	4.15E-04	1.31E-07	3.81E-08
4335	476363.09, 3857377.25	3.18E-04	1.00E-07	2.92E-08	3.43E-04	1.08E-07	3.15E-08	5.42E-04	1.71E-07	4.98E-08
4336	476863.09, 3857377.25	3.47E-04	1.10E-07	3.19E-08	3.74E-04	1.18E-07	3.44E-08	5.92E-04	1.87E-07	5.44E-08
4337	477363.09, 3857377.25	3.06E-04	9.67E-08	2.81E-08	3.31E-04	1.04E-07	3.03E-08	5.23E-04	1.65E-07	4.80E-08
4338	477863.09, 3857377.25	2.41E-04	7.61E-08	2.21E-08	2.60E-04	8.21E-08	2.39E-08	4.11E-04	1.30E-07	3.77E-08
4339	478363.09, 3857377.25	1.96E-04	6.19E-08	1.80E-08	2.12E-04	6.68E-08	1.94E-08	3.34E-04	1.05E-07	3.07E-08
4340	478863.09, 3857377.25	1.75E-04	5.53E-08	1.61E-08	1.89E-04	5.97E-08	1.74E-08	2.99E-04	9.43E-08	2.74E-08
4341	479363.09, 3857377.25	2.71E-04	8.55E-08	2.49E-08	2.92E-04	9.22E-08	2.68E-08	4.60E-04	1.45E-07	4.23E-08
4342	479863.09, 3857377.25	7.06E-04	2.23E-07	6.48E-08	7.61E-04	2.40E-07	6.99E-08	1.20E-03	3.79E-07	1.10E-07
4343	480363.09, 3857377.25	5.95E-04	1.88E-07	5.46E-08	6.41E-04	2.02E-07	5.89E-08	1.01E-03	3.19E-07	9.27E-08
4344	480863.09, 3857377.25	2.30E-03	7.24E-07	2.11E-07	2.48E-03	7.82E-07	2.27E-07	3.93E-03	1.24E-06	3.60E-07
4345	481363.09, 3857377.25	2.60E-03	8.22E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.46E-03	1.41E-06	4.09E-07
4346	481863.09, 3857377.25	3.43E-03	1.08E-06	3.15E-07	3.70E-03	1.17E-06	3.39E-07	5.86E-03	1.85E-06	5.38E-07
4347	482363.09, 3857377.25	4.39E-03	1.39E-06	4.03E-07	4.74E-03	1.50E-06	4.35E-07	7.48E-03	2.36E-06	6.87E-07
4348	482863.09, 3857377.25	5.08E-03	1.60E-06	4.67E-07	5.48E-03	1.73E-06	5.03E-07	8.63E-03	2.72E-06	7.92E-07
4349	483363.09, 3857377.25	5.99E-03	1.89E-06	5.50E-07	6.46E-03	2.04E-06	5.93E-07	1.01E-02	3.20E-06	9.31E-07
4350	483863.09, 3857377.25	7.26E-03	2.29E-06	6.66E-07	7.82E-03	2.47E-06	7.18E-07	1.23E-02	3.87E-06	1.13E-06
4351	484363.09, 3857377.25	8.94E-03	2.82E-06	8.21E-07	9.63E-03	3.04E-06	8.84E-07	1.51E-02	4.75E-06	1.38E-06
4352	484863.09, 3857377.25	1.15E-02	3.63E-06	1.06E-06	1.24E-02	3.91E-06	1.14E-06	1.93E-02	6.10E-06	1.77E-06
4353	485363.09, 3857377.25	1.58E-02	4.97E-06	1.45E-06	1.70E-02	5.35E-06	1.56E-06	2.64E-02	8.33E-06	2.42E-06
4354	485863.09, 3857377.25	2.56E-02	8.09E-06	2.35E-06	2.76E-02	8.70E-06	2.53E-06	4.27E-02	1.35E-05	3.92E-06
4355	486363.09, 3857377.25	1.17E-01	3.71E-05	1.08E-05	1.26E-01	3.99E-05	1.16E-05	1.96E-01	6.20E-05	1.80E-05
4356	486863.09, 3857377.25	1.25E-01	3.94E-05	1.15E-05	1.35E-01	4.25E-05	1.24E-05	2.14E-01	6.76E-05	1.97E-05
4357	487363.09, 3857377.25	6.01E-02	1.90E-05	5.51E-06	6.50E-02	2.05E-05	5.96E-06	1.05E-01	3.31E-05	9.62E-06
4358	487863.09, 3857377.25	4.05E-02	1.28E-05	3.71E-06	4.38E-02	1.38E-05	4.02E-06	7.05E-02	2.23E-05	6.48E-06
4359	488363.09, 3857377.25	3.02E-02	9.55E-06	2.78E-06	3.27E-02	1.03E-05	3.00E-06	5.26E-02	1.66E-05	4.83E-06
4360	488863.09, 3857377.25	2.39E-02	7.55E-06	2.20E-06	2.59E-02	8.17E-06	2.37E-06	4.16E-02	1.31E-05	3.82E-06
4361	489363.09, 3857377.25	1.96E-02	6.19E-06	1.80E-06	2.12E-02	6.69E-06	1.95E-06	3.41E-02	1.07E-05	3.13E-06
4362	489863.09, 3857377.25	1.64E-02	5.18E-06	1.51E-06	1.77E-02	5.60E-06	1.63E-06	2.85E-02	8.99E-06	2.61E-06
4363	490363.09, 3857377.25	1.39E-02	4.38E-06	1.27E-06	1.50E-02	4.73E-06	1.38E-06	2.41E-02	7.59E-06	2.21E-06
4364	490863.09, 3857377.25	1.19E-02	3.75E-06	1.09E-06	1.29E-02	4.06E-06	1.18E-06	2.06E-02	6.51E-06	1.89E-06
4365	491363.09, 3857377.25	1.03E-02	3.26E-06	9.47E-07	1.11E-02	3.52E-06	1.02E-06	1.79E-02	5.64E-06	1.64E-06
4366	491863.09, 3857377.25	8.79E-03	2.78E-06	8.07E-07	9.50E-03	3.00E-06	8.73E-07	1.52E-02	4.81E-06	1.40E-06
4367	492363.09, 3857377.25	6.38E-03	2.01E-06	5.86E-07	6.90E-03	2.18E-06	6.33E-07	1.10E-02	3.49E-06	1.01E-06
4368	492863.09, 3857377.25	4.35E-03	1.37E-06	3.99E-07	4.70E-03	1.48E-06	4.32E-07	7.50E-03	2.37E-06	6.89E-07
4369	493363.09, 3857377.25	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.61E-06	4.70E-07
4370	493863.09, 3857377.25	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.17E-03	1.32E-06	3.83E-07
4371	494363.09, 3857377.25	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.67E-07	1.94E-07	3.36E-03	1.06E-06	3.09E-07
4372	494863.09, 3857377.25	1.73E-03	5.45E-07	1.58E-07	1.86E-03	5.88E-07	1.71E-07	2.96E-03	9.35E-07	2.72E-07
4373	495363.09, 3857377.25	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.27E-07	1.53E-07	2.66E-03	8.38E-07	2.44E-07
4374	495863.09, 3857377.25	1.47E-03	4.65E-07	1.35E-07	1.59E-03	5.02E-07	1.46E-07	2.53E-03	7.99E-07	2.32E-07
4375	496363.09, 3857377.25	1.43E-03	4.51E-07	1.31E-07	1.54E-03	4.87E-07	1.42E-07	2.46E-03	7.75E-07	2.25E-07
4376	496863.09, 3857377.25	1.41E-03	4.45E-07	1.30E-07	1.52E-03	4.81E-07	1.40E-07	2.42E-03	7.65E-07	2.23E-07
4377	497363.09, 3857377.25	1.46E-03	4.60E-07	1.34E-07	1.57E-03	4.96E-07	1.44E-07	2.50E-03	7.91E-07	2.30E-07
4378	497863.09, 3857377.25	1.56E-03	4.91E-07	1.43E-07	1.68E-03	5.30E-07	1.54E-07	2.68E-03	8.45E-07	2.46E-07
4379	498363.09, 3857377.25	1.86E-03	5.86E-07	1.71E-07	2.01E-03	6.33E-07	1.84E-07	3.20E-03	1.01E-06	2.94E-07
4380	471363.09, 3857877.25	3.70E-04	1.17E-07	3.40E-08	3.99E-04	1.26E-07	3.67E-08	6.33E-04	2.00E-07	5.82E-08
4381	471863.09, 3857877.25	3.85E-04	1.21E-07	3.53E-08	4.15E-04	1.31E-07	3.81E-08	6.58E-04	2.08E-07	6.05E-08
4382	472363.09, 3857877.25	4.09E-04	1.29E-07	3.75E-08	4.41E-04	1.39E-07	4.05E-08	7.00E-04	2.21E-07	6.43E-08
4383	472863.09, 3857877.25	4.52E-04	1.43E-07	4.15E-08	4.88E-04	1.54E-07	4.48E-08	7.74E-04	2.44E-07	7.10E-08
4384	473363.09, 3857877.25	4.82E-04	1.52E-07	4.43E-08	5.21E-04	1.64E-07	4.78E-08	8.26E-04	2.61E-07	7.58E-08
4385	473863.09, 3857877.25	5.30E-04	1.67E-07	4.87E-08	5.72E-04	1.81E-07	5.25E-08	9.08E-04	2.87E-07	8.33E-08
4386	474363.09, 3857877.25	4.81E-04	1.52E-07	4.42E-08	5.19E-04	1.64E-07	4.77E-08	8.23E-04	2.60E-07	7.55E-08
4387	474863.09, 3857877.25	3.41E-04	1.08E-07	3.13E-08	3.67E-04	1.16E-07	3.37E-08	5.81E-04	1.83E-07	5.34E-08
4388	475363.09, 3857877.25	1.96E-04	6.18E-08	1.80E-08	2.11E-04	6.67E-08	1.94E-08	3.34E-04	1.05E-07	3.07E-08

4389	475863.09, 3857877.25	1.01E-04	3.19E-08	9.29E-09	1.09E-04	3.44E-08	1.00E-08	1.72E-04	5.44E-08	1.58E-08
4390	476363.09, 3857877.25	2.26E-04	7.13E-08	2.07E-08	2.44E-04	7.69E-08	2.24E-08	3.85E-04	1.22E-07	3.54E-08
4391	476863.09, 3857877.25	2.84E-04	8.97E-08	2.61E-08	3.07E-04	9.68E-08	2.82E-08	4.85E-04	1.53E-07	4.45E-08
4392	477363.09, 3857877.25	2.80E-04	8.83E-08	2.57E-08	3.02E-04	9.53E-08	2.77E-08	4.76E-04	1.50E-07	4.37E-08
4393	477863.09, 3857877.25	2.75E-04	8.69E-08	2.53E-08	2.97E-04	9.37E-08	2.73E-08	4.69E-04	1.48E-07	4.30E-08
4394	478363.09, 3857877.25	1.64E-04	5.17E-08	1.50E-08	1.76E-04	5.57E-08	1.62E-08	2.78E-04	8.78E-08	2.55E-08
4395	478863.09, 3857877.25	1.39E-04	4.40E-08	1.28E-08	1.50E-04	4.75E-08	1.38E-08	2.36E-04	7.46E-08	2.17E-08
4396	479363.09, 3857877.25	6.39E-04	2.02E-07	5.86E-08	6.89E-04	2.17E-07	6.32E-08	1.09E-03	3.43E-07	9.96E-08
4397	479863.09, 3857877.25	1.40E-03	4.40E-07	1.28E-07	1.51E-03	4.75E-07	1.38E-07	2.38E-03	7.53E-07	2.19E-07
4398	480363.09, 3857877.25	1.85E-03	5.83E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.16E-03	9.97E-07	2.90E-07
4399	480863.09, 3857877.25	2.13E-03	6.71E-07	1.95E-07	2.29E-03	7.24E-07	2.11E-07	3.64E-03	1.15E-06	3.34E-07
4400	481363.09, 3857877.25	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.22E-03	1.33E-06	3.87E-07
4401	481863.09, 3857877.25	2.96E-03	9.33E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.06E-03	1.60E-06	4.64E-07
4402	482363.09, 3857877.25	3.71E-03	1.17E-06	3.41E-07	4.00E-03	1.26E-06	3.67E-07	6.32E-03	2.00E-06	5.81E-07
4403	482863.09, 3857877.25	4.25E-03	1.34E-06	3.90E-07	4.58E-03	1.44E-06	4.20E-07	7.20E-03	2.27E-06	6.61E-07
4404	483363.09, 3857877.25	4.87E-03	1.54E-06	4.47E-07	5.25E-03	1.66E-06	4.82E-07	8.24E-03	2.60E-06	7.57E-07
4405	483863.09, 3857877.25	5.69E-03	1.80E-06	5.22E-07	6.13E-03	1.93E-06	5.63E-07	9.62E-03	3.03E-06	8.83E-07
4406	484363.09, 3857877.25	6.72E-03	2.12E-06	6.17E-07	7.24E-03	2.28E-06	6.64E-07	1.13E-02	3.58E-06	1.04E-06
4407	484863.09, 3857877.25	8.14E-03	2.57E-06	7.47E-07	8.76E-03	2.77E-06	8.05E-07	1.37E-02	4.33E-06	1.26E-06
4408	485363.09, 3857877.25	1.02E-02	3.21E-06	9.33E-07	1.09E-02	3.45E-06	1.00E-06	1.71E-02	5.40E-06	1.57E-06
4409	485863.09, 3857877.25	1.35E-02	4.25E-06	1.24E-06	1.45E-02	4.58E-06	1.33E-06	2.26E-02	7.14E-06	2.08E-06
4410	486363.09, 3857877.25	2.00E-02	6.31E-06	1.83E-06	2.15E-02	6.79E-06	1.97E-06	3.35E-02	1.06E-05	3.08E-06
4411	486863.09, 3857877.25	4.45E-02	1.40E-05	4.09E-06	4.79E-02	1.51E-05	4.40E-06	7.49E-02	2.36E-05	6.88E-06
4412	487363.09, 3857877.25	1.34E-01	4.23E-05	1.23E-05	1.44E-01	4.56E-05	1.33E-05	2.24E-01	7.07E-05	2.06E-05
4413	487863.09, 3857877.25	5.95E-02	1.88E-05	5.46E-06	6.44E-02	2.03E-05	5.91E-06	1.04E-01	3.30E-05	9.59E-06
4414	488363.09, 3857877.25	3.64E-02	1.15E-05	3.34E-06	3.94E-02	1.24E-05	3.62E-06	6.36E-02	2.01E-05	5.84E-06
4415	488863.09, 3857877.25	2.63E-02	8.30E-06	2.41E-06	2.84E-02	8.98E-06	2.61E-06	4.58E-02	1.44E-05	4.20E-06
4416	489363.09, 3857877.25	2.04E-02	6.44E-06	1.87E-06	2.21E-02	6.96E-06	2.03E-06	3.55E-02	1.12E-05	3.26E-06
4417	489863.09, 3857877.25	1.64E-02	5.16E-06	1.50E-06	1.77E-02	5.58E-06	1.62E-06	2.84E-02	8.97E-06	2.61E-06
4418	490363.09, 3857877.25	1.35E-02	4.27E-06	1.24E-06	1.46E-02	4.61E-06	1.34E-06	2.34E-02	7.40E-06	2.15E-06
4419	490863.09, 3857877.25	1.14E-02	3.60E-06	1.05E-06	1.23E-02	3.89E-06	1.13E-06	1.98E-02	6.23E-06	1.81E-06
4420	491363.09, 3857877.25	9.60E-03	3.03E-06	8.81E-07	1.04E-02	3.28E-06	9.53E-07	1.66E-02	5.25E-06	1.53E-06
4421	491863.09, 3857877.25	7.80E-03	2.46E-06	7.16E-07	8.43E-03	2.66E-06	7.74E-07	1.35E-02	4.26E-06	1.24E-06
4422	492363.09, 3857877.25	5.28E-03	1.67E-06	4.85E-07	5.71E-03	1.80E-06	5.24E-07	9.12E-03	2.88E-06	8.37E-07
4423	492863.09, 3857877.25	3.55E-03	1.12E-06	3.25E-07	3.83E-03	1.21E-06	3.52E-07	6.10E-03	1.93E-06	5.60E-07
4424	493363.09, 3857877.25	2.86E-03	9.04E-07	2.63E-07	3.09E-03	9.76E-07	2.84E-07	4.93E-03	1.56E-06	4.52E-07
4425	493863.09, 3857877.25	2.50E-03	7.89E-07	2.29E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.94E-07
4426	494363.09, 3857877.25	2.24E-03	7.06E-07	2.05E-07	2.42E-03	7.63E-07	2.22E-07	3.85E-03	1.21E-06	3.53E-07
4427	494863.09, 3857877.25	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.25E-03	1.03E-06	2.99E-07
4428	495363.09, 3857877.25	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.97E-07	1.74E-07	3.01E-03	9.50E-07	2.76E-07
4429	495863.09, 3857877.25	1.63E-03	5.16E-07	1.50E-07	1.76E-03	5.57E-07	1.62E-07	2.81E-03	8.86E-07	2.58E-07
4430	496363.09, 3857877.25	1.61E-03	5.09E-07	1.48E-07	1.74E-03	5.49E-07	1.60E-07	2.77E-03	8.74E-07	2.54E-07
4431	496863.09, 3857877.25	1.60E-03	5.04E-07	1.46E-07	1.72E-03	5.44E-07	1.58E-07	2.74E-03	8.65E-07	2.52E-07
4432	497363.09, 3857877.25	1.55E-03	4.91E-07	1.43E-07	1.68E-03	5.30E-07	1.54E-07	2.67E-03	8.44E-07	2.45E-07
4433	497863.09, 3857877.25	1.74E-03	5.49E-07	1.60E-07	1.88E-03	5.93E-07	1.73E-07	2.99E-03	9.45E-07	2.75E-07
4434	498363.09, 3857877.25	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
4435	471363.09, 3858377.25	3.87E-04	1.22E-07	3.55E-08	4.18E-04	1.32E-07	3.83E-08	6.62E-04	2.09E-07	6.08E-08
4436	471863.09, 3858377.25	4.03E-04	1.27E-07	3.70E-08	4.35E-04	1.37E-07	3.99E-08	6.90E-04	2.18E-07	6.33E-08
4437	472363.09, 3858377.25	4.21E-04	1.33E-07	3.86E-08	4.54E-04	1.43E-07	4.17E-08	7.20E-04	2.27E-07	6.61E-08
4438	472863.09, 3858377.25	4.55E-04	1.44E-07	4.18E-08	4.91E-04	1.55E-07	4.51E-08	7.78E-04	2.46E-07	7.14E-08
4439	473363.09, 3858377.25	5.21E-04	1.64E-07	4.78E-08	5.62E-04	1.77E-07	5.16E-08	8.91E-04	2.81E-07	8.18E-08
4440	473863.09, 3858377.25	5.27E-04	1.66E-07	4.84E-08	5.69E-04	1.80E-07	5.22E-08	9.01E-04	2.84E-07	8.27E-08
4441	474363.09, 3858377.25	4.58E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.54E-08	7.83E-04	2.47E-07	7.19E-08
4442	474863.09, 3858377.25	3.53E-04	1.11E-07	3.24E-08	3.81E-04	1.20E-07	3.50E-08	6.02E-04	1.90E-07	5.52E-08
4443	475363.09, 3858377.25	2.34E-04	7.38E-08	2.15E-08	2.52E-04	7.96E-08	2.31E-08	3.98E-04	1.26E-07	3.65E-08
4444	475863.09, 3858377.25	1.74E-04	5.49E-08	1.60E-08	1.88E-04	5.92E-08	1.72E-08	2.96E-04	9.34E-08	2.72E-08
4445	476363.09, 3858377.25	1.91E-04	6.02E-08	1.75E-08	2.06E-04	6.50E-08	1.89E-08	3.24E-04	1.02E-07	2.98E-08
4446	476863.09, 3858377.25	2.14E-04	6.76E-08	1.97E-08	2.31E-04	7.29E-08	2.12E-08	3.64E-04	1.15E-07	3.34E-08
4447	477363.09, 3858377.25	2.04E-04	6.45E-08	1.88E-08	2.20E-04	6.96E-08	2.02E-08	3.47E-04	1.10E-07	3.19E-08
4448	477863.09, 3858377.25	2.74E-04	8.65E-08	2.52E-08	2.96E-04	9.33E-08	2.71E-08	4.66E-04	1.47E-07	4.28E-08
4449	478363.09, 3858377.25	2.98E-04	9.40E-08	2.74E-08	3.21E-04	1.01E-07	2.95E-08	5.06E-04	1.60E-07	4.64E-08

4450	478863.09, 3858377.25	2.09E-04	6.59E-08	1.92E-08	2.25E-04	7.11E-08	2.07E-08	3.54E-04	1.12E-07	3.25E-08
4451	479363.09, 3858377.25	6.72E-04	2.12E-07	6.17E-08	7.24E-04	2.29E-07	6.65E-08	1.14E-03	3.61E-07	1.05E-07
4452	479863.09, 3858377.25	1.44E-03	4.56E-07	1.33E-07	1.56E-03	4.92E-07	1.43E-07	2.47E-03	7.80E-07	2.27E-07
4453	480363.09, 3858377.25	1.81E-03	5.70E-07	1.66E-07	1.95E-03	6.15E-07	1.79E-07	3.09E-03	9.76E-07	2.84E-07
4454	480863.09, 3858377.25	2.03E-03	6.41E-07	1.86E-07	2.19E-03	6.92E-07	2.01E-07	3.48E-03	1.10E-06	3.19E-07
4455	481363.09, 3858377.25	2.32E-03	7.32E-07	2.13E-07	2.50E-03	7.90E-07	2.30E-07	3.97E-03	1.25E-06	3.64E-07
4456	481863.09, 3858377.25	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.46E-03	1.41E-06	4.10E-07
4457	482363.09, 3858377.25	3.03E-03	9.57E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.18E-03	1.63E-06	4.75E-07
4458	482863.09, 3858377.25	3.67E-03	1.16E-06	3.37E-07	3.96E-03	1.25E-06	3.63E-07	6.25E-03	1.97E-06	5.73E-07
4459	483363.09, 3858377.25	4.08E-03	1.29E-06	3.74E-07	4.40E-03	1.39E-06	4.04E-07	6.91E-03	2.18E-06	6.34E-07
4460	483863.09, 3858377.25	4.53E-03	1.43E-06	4.16E-07	4.88E-03	1.54E-06	4.48E-07	7.66E-03	2.42E-06	7.03E-07
4461	484363.09, 3858377.25	5.22E-03	1.65E-06	4.79E-07	5.62E-03	1.77E-06	5.16E-07	8.81E-03	2.78E-06	8.09E-07
4462	484863.09, 3858377.25	6.03E-03	1.90E-06	5.53E-07	6.49E-03	2.05E-06	5.96E-07	1.02E-02	3.21E-06	9.34E-07
4463	485363.09, 3858377.25	6.99E-03	2.20E-06	6.41E-07	7.53E-03	2.38E-06	6.91E-07	1.18E-02	3.72E-06	1.08E-06
4464	485863.09, 3858377.25	8.36E-03	2.64E-06	7.67E-07	9.00E-03	2.84E-06	8.26E-07	1.41E-02	4.44E-06	1.29E-06
4465	486363.09, 3858377.25	1.03E-02	3.24E-06	9.42E-07	1.10E-02	3.49E-06	1.01E-06	1.72E-02	5.44E-06	1.58E-06
4466	486863.09, 3858377.25	1.30E-02	4.11E-06	1.20E-06	1.40E-02	4.42E-06	1.29E-06	2.18E-02	6.90E-06	2.01E-06
4467	487363.09, 3858377.25	1.89E-02	5.96E-06	1.73E-06	2.03E-02	6.42E-06	1.87E-06	3.16E-02	9.99E-06	2.90E-06
4468	487863.09, 3858377.25	6.01E-02	1.90E-05	5.51E-06	6.50E-02	2.05E-05	5.97E-06	1.05E-01	3.32E-05	9.65E-06
4469	488363.09, 3858377.25	3.90E-02	1.23E-05	3.58E-06	4.22E-02	1.33E-05	3.87E-06	6.76E-02	2.13E-05	6.21E-06
4470	488863.09, 3858377.25	2.29E-02	7.21E-06	2.10E-06	2.47E-02	7.78E-06	2.26E-06	3.91E-02	1.23E-05	3.59E-06
4471	489363.09, 3858377.25	1.71E-02	5.38E-06	1.57E-06	1.84E-02	5.81E-06	1.69E-06	2.92E-02	9.20E-06	2.68E-06
4472	489863.09, 3858377.25	1.37E-02	4.32E-06	1.26E-06	1.48E-02	4.66E-06	1.36E-06	2.34E-02	7.39E-06	2.15E-06
4473	490363.09, 3858377.25	1.14E-02	3.60E-06	1.05E-06	1.23E-02	3.89E-06	1.13E-06	1.95E-02	6.17E-06	1.79E-06
4474	490863.09, 3858377.25	9.73E-03	3.07E-06	8.93E-07	1.05E-02	3.32E-06	9.64E-07	1.67E-02	5.27E-06	1.53E-06
4475	491363.09, 3858377.25	8.20E-03	2.59E-06	7.53E-07	8.86E-03	2.80E-06	8.13E-07	1.41E-02	4.46E-06	1.30E-06
4476	491863.09, 3858377.25	6.11E-03	1.93E-06	5.61E-07	6.60E-03	2.08E-06	6.06E-07	1.06E-02	3.33E-06	9.69E-07
4477	492363.09, 3858377.25	3.85E-03	1.22E-06	3.54E-07	4.16E-03	1.31E-06	3.82E-07	6.63E-03	2.09E-06	6.08E-07
4478	492863.09, 3858377.25	3.93E-03	1.24E-06	3.61E-07	4.25E-03	1.34E-06	3.90E-07	6.77E-03	2.14E-06	6.22E-07
4479	493363.09, 3858377.25	3.26E-03	1.03E-06	2.99E-07	3.52E-03	1.11E-06	3.23E-07	5.61E-03	1.77E-06	5.15E-07
4480	493863.09, 3858377.25	2.89E-03	9.12E-07	2.65E-07	3.12E-03	9.85E-07	2.87E-07	4.97E-03	1.57E-06	4.56E-07
4481	494363.09, 3858377.25	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.33E-03	1.37E-06	3.97E-07
4482	494863.09, 3858377.25	2.22E-03	7.02E-07	2.04E-07	2.40E-03	7.58E-07	2.20E-07	3.82E-03	1.21E-06	3.51E-07
4483	495363.09, 3858377.25	1.92E-03	6.07E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.31E-03	1.04E-06	3.04E-07
4484	495863.09, 3858377.25	1.84E-03	5.81E-07	1.69E-07	1.99E-03	6.28E-07	1.83E-07	3.17E-03	9.99E-07	2.91E-07
4485	496363.09, 3858377.25	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.97E-07	1.74E-07	3.01E-03	9.49E-07	2.76E-07
4486	496863.09, 3858377.25	1.79E-03	5.66E-07	1.64E-07	1.93E-03	6.11E-07	1.78E-07	3.08E-03	9.72E-07	2.83E-07
4487	497363.09, 3858377.25	1.76E-03	5.57E-07	1.62E-07	1.90E-03	6.01E-07	1.75E-07	3.03E-03	9.57E-07	2.78E-07
4488	497863.09, 3858377.25	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.51E-07	1.89E-07	3.29E-03	1.04E-06	3.02E-07
4489	498363.09, 3858377.25	2.12E-03	6.68E-07	1.94E-07	2.28E-03	7.21E-07	2.10E-07	3.64E-03	1.15E-06	3.35E-07
4490	471363.09, 3858877.25	3.97E-04	1.25E-07	3.65E-08	4.29E-04	1.35E-07	3.94E-08	6.80E-04	2.15E-07	6.24E-08
4491	471863.09, 3858877.25	4.11E-04	1.30E-07	3.78E-08	4.44E-04	1.40E-07	4.08E-08	7.03E-04	2.22E-07	6.46E-08
4492	472363.09, 3858877.25	4.48E-04	1.41E-07	4.11E-08	4.83E-04	1.53E-07	4.44E-08	7.66E-04	2.42E-07	7.03E-08
4493	472863.09, 3858877.25	4.82E-04	1.52E-07	4.43E-08	5.20E-04	1.64E-07	4.78E-08	8.25E-04	2.60E-07	7.57E-08
4494	473363.09, 3858877.25	5.38E-04	1.70E-07	4.94E-08	5.80E-04	1.83E-07	5.33E-08	9.20E-04	2.91E-07	8.45E-08
4495	473863.09, 3858877.25	5.51E-04	1.74E-07	5.06E-08	5.95E-04	1.88E-07	5.46E-08	9.44E-04	2.98E-07	8.66E-08
4496	474363.09, 3858877.25	4.99E-04	1.58E-07	4.58E-08	5.39E-04	1.70E-07	4.95E-08	8.54E-04	2.69E-07	7.84E-08
4497	474863.09, 3858877.25	2.25E-04	7.09E-08	2.06E-08	2.42E-04	7.64E-08	2.22E-08	3.82E-04	1.21E-07	3.51E-08
4498	475363.09, 3858877.25	1.69E-04	5.33E-08	1.55E-08	1.82E-04	5.74E-08	1.67E-08	2.87E-04	9.05E-08	2.63E-08
4499	475863.09, 3858877.25	1.95E-04	6.17E-08	1.79E-08	2.11E-04	6.65E-08	1.93E-08	3.32E-04	1.05E-07	3.05E-08
4500	476363.09, 3858877.25	1.28E-04	4.03E-08	1.17E-08	1.38E-04	4.34E-08	1.26E-08	2.16E-04	6.83E-08	1.99E-08
4501	476863.09, 3858877.25	1.62E-04	5.10E-08	1.48E-08	1.74E-04	5.50E-08	1.60E-08	2.75E-04	8.67E-08	2.52E-08
4502	477363.09, 3858877.25	1.67E-04	5.28E-08	1.54E-08	1.80E-04	5.69E-08	1.66E-08	2.84E-04	8.95E-08	2.60E-08
4503	477863.09, 3858877.25	2.09E-04	6.59E-08	1.92E-08	2.25E-04	7.11E-08	2.07E-08	3.54E-04	1.12E-07	3.25E-08
4504	478363.09, 3858877.25	4.39E-04	1.38E-07	4.03E-08	4.73E-04	1.49E-07	4.34E-08	7.46E-04	2.35E-07	6.85E-08
4505	478863.09, 3858877.25	3.68E-04	1.16E-07	3.38E-08	3.96E-04	1.25E-07	3.64E-08	6.24E-04	1.97E-07	5.73E-08
4506	479363.09, 3858877.25	3.00E-04	9.47E-08	2.75E-08	3.23E-04	1.02E-07	2.97E-08	5.08E-04	1.60E-07	4.67E-08
4507	479863.09, 3858877.25	1.45E-03	4.59E-07	1.34E-07	1.57E-03	4.96E-07	1.44E-07	2.49E-03	7.86E-07	2.29E-07
4508	480363.09, 3858877.25	1.71E-03	5.39E-07	1.57E-07	1.84E-03	5.81E-07	1.69E-07	2.92E-03	9.22E-07	2.68E-07
4509	480863.09, 3858877.25	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.58E-07	1.91E-07	3.30E-03	1.04E-06	3.03E-07
4510	481363.09, 3858877.25	2.15E-03	6.78E-07	1.97E-07	2.32E-03	7.32E-07	2.13E-07	3.67E-03	1.16E-06	3.37E-07

4511	481863.09, 3858877.25	2.42E-03	7.63E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.13E-03	1.30E-06	3.79E-07
4512	482363.09, 3858877.25	2.66E-03	8.41E-07	2.45E-07	2.87E-03	9.07E-07	2.64E-07	4.55E-03	1.44E-06	4.17E-07
4513	482863.09, 3858877.25	3.01E-03	9.50E-07	2.76E-07	3.25E-03	1.02E-06	2.98E-07	5.14E-03	1.62E-06	4.71E-07
4514	483363.09, 3858877.25	3.38E-03	1.07E-06	3.11E-07	3.65E-03	1.15E-06	3.35E-07	5.73E-03	1.81E-06	5.26E-07
4515	483863.09, 3858877.25	3.68E-03	1.16E-06	3.37E-07	3.96E-03	1.25E-06	3.64E-07	6.22E-03	1.96E-06	5.71E-07
4516	484363.09, 3858877.25	4.09E-03	1.29E-06	3.76E-07	4.41E-03	1.39E-06	4.05E-07	6.92E-03	2.18E-06	6.35E-07
4517	484863.09, 3858877.25	4.56E-03	1.44E-06	4.19E-07	4.92E-03	1.55E-06	4.51E-07	7.71E-03	2.43E-06	7.08E-07
4518	485363.09, 3858877.25	5.08E-03	1.60E-06	4.66E-07	5.47E-03	1.73E-06	5.02E-07	8.57E-03	2.70E-06	7.86E-07
4519	485863.09, 3858877.25	5.72E-03	1.81E-06	5.25E-07	6.17E-03	1.95E-06	5.66E-07	9.65E-03	3.05E-06	8.86E-07
4520	486363.09, 3858877.25	6.35E-03	2.01E-06	5.83E-07	6.84E-03	2.16E-06	6.28E-07	1.07E-02	3.38E-06	9.82E-07
4521	486863.09, 3858877.25	7.11E-03	2.25E-06	6.53E-07	7.66E-03	2.42E-06	7.03E-07	1.20E-02	3.77E-06	1.10E-06
4522	487363.09, 3858877.25	8.21E-03	2.59E-06	7.54E-07	8.84E-03	2.79E-06	8.11E-07	1.37E-02	4.34E-06	1.26E-06
4523	487863.09, 3858877.25	9.13E-03	2.88E-06	8.39E-07	9.82E-03	3.10E-06	9.02E-07	1.51E-02	4.78E-06	1.39E-06
4524	488363.09, 3858877.25	1.06E-02	3.36E-06	9.77E-07	1.14E-02	3.60E-06	1.05E-06	1.70E-02	5.37E-06	1.56E-06
4525	488863.09, 3858877.25	2.33E-02	7.35E-06	2.14E-06	2.43E-02	7.68E-06	2.23E-06	2.95E-02	9.30E-06	2.71E-06
4526	489363.09, 3858877.25	1.08E-02	3.42E-06	9.94E-07	1.16E-02	3.66E-06	1.06E-06	1.74E-02	5.48E-06	1.59E-06
4527	489863.09, 3858877.25	9.25E-03	2.92E-06	8.49E-07	9.95E-03	3.14E-06	9.14E-07	1.54E-02	4.86E-06	1.41E-06
4528	490363.09, 3858877.25	8.22E-03	2.60E-06	7.55E-07	8.86E-03	2.80E-06	8.14E-07	1.39E-02	4.40E-06	1.28E-06
4529	490863.09, 3858877.25	7.12E-03	2.25E-06	6.54E-07	7.69E-03	2.43E-06	7.06E-07	1.22E-02	3.85E-06	1.12E-06
4530	491363.09, 3858877.25	5.64E-03	1.78E-06	5.18E-07	6.09E-03	1.92E-06	5.59E-07	9.71E-03	3.06E-06	8.91E-07
4531	491863.09, 3858877.25	3.98E-03	1.26E-06	3.65E-07	4.29E-03	1.36E-06	3.94E-07	6.84E-03	2.16E-06	6.28E-07
4532	492363.09, 3858877.25	4.32E-03	1.36E-06	3.96E-07	4.66E-03	1.47E-06	4.28E-07	7.44E-03	2.35E-06	6.83E-07
4533	492863.09, 3858877.25	4.53E-03	1.43E-06	4.16E-07	4.90E-03	1.55E-06	4.50E-07	7.81E-03	2.47E-06	7.17E-07
4534	493363.09, 3858877.25	3.99E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.96E-07	6.88E-03	2.17E-06	6.32E-07
4535	493863.09, 3858877.25	3.21E-03	1.01E-06	2.94E-07	3.46E-03	1.09E-06	3.18E-07	5.52E-03	1.74E-06	5.07E-07
4536	494363.09, 3858877.25	2.89E-03	9.12E-07	2.65E-07	3.12E-03	9.85E-07	2.86E-07	4.97E-03	1.57E-06	4.56E-07
4537	494863.09, 3858877.25	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
4538	495363.09, 3858877.25	2.25E-03	7.10E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.87E-03	1.22E-06	3.55E-07
4539	495863.09, 3858877.25	2.09E-03	6.60E-07	1.92E-07	2.26E-03	7.13E-07	2.07E-07	3.59E-03	1.13E-06	3.30E-07
4540	496363.09, 3858877.25	2.02E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.48E-03	1.10E-06	3.20E-07
4541	496863.09, 3858877.25	1.97E-03	6.21E-07	1.81E-07	2.12E-03	6.70E-07	1.95E-07	3.38E-03	1.07E-06	3.11E-07
4542	497363.09, 3858877.25	1.90E-03	6.01E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.28E-03	1.03E-06	3.01E-07
4543	497863.09, 3858877.25	2.08E-03	6.58E-07	1.91E-07	2.25E-03	7.10E-07	2.07E-07	3.59E-03	1.13E-06	3.29E-07
4544	498363.09, 3858877.25	2.23E-03	7.05E-07	2.05E-07	2.41E-03	7.61E-07	2.21E-07	3.85E-03	1.21E-06	3.53E-07
4545	471363.09, 3859377.25	4.06E-04	1.28E-07	3.73E-08	4.38E-04	1.38E-07	4.03E-08	6.95E-04	2.19E-07	6.38E-08
4546	471863.09, 3859377.25	4.29E-04	1.36E-07	3.94E-08	4.63E-04	1.46E-07	4.26E-08	7.35E-04	2.32E-07	6.75E-08
4547	472363.09, 3859377.25	4.68E-04	1.48E-07	4.30E-08	5.05E-04	1.59E-07	4.64E-08	8.02E-04	2.53E-07	7.36E-08
4548	472863.09, 3859377.25	5.03E-04	1.59E-07	4.62E-08	5.43E-04	1.71E-07	4.99E-08	8.62E-04	2.72E-07	7.92E-08
4549	473363.09, 3859377.25	5.47E-04	1.73E-07	5.02E-08	5.90E-04	1.86E-07	5.42E-08	9.37E-04	2.96E-07	8.61E-08
4550	473863.09, 3859377.25	5.74E-04	1.81E-07	5.27E-08	6.20E-04	1.96E-07	5.69E-08	9.84E-04	3.11E-07	9.03E-08
4551	474363.09, 3859377.25	5.11E-04	1.61E-07	4.69E-08	5.52E-04	1.74E-07	5.07E-08	8.75E-04	2.76E-07	8.03E-08
4552	474863.09, 3859377.25	3.59E-04	1.13E-07	3.29E-08	3.87E-04	1.22E-07	3.55E-08	6.12E-04	1.93E-07	5.62E-08
4553	475363.09, 3859377.25	2.28E-04	7.21E-08	2.10E-08	2.46E-04	7.77E-08	2.26E-08	3.88E-04	1.23E-07	3.57E-08
4554	475863.09, 3859377.25	1.51E-04	4.77E-08	1.39E-08	1.63E-04	5.15E-08	1.50E-08	2.57E-04	8.11E-08	2.36E-08
4555	476363.09, 3859377.25	1.38E-04	4.35E-08	1.27E-08	1.49E-04	4.69E-08	1.36E-08	2.34E-04	7.38E-08	2.15E-08
4556	476863.09, 3859377.25	1.14E-04	3.60E-08	1.05E-08	1.23E-04	3.88E-08	1.13E-08	1.93E-04	6.09E-08	1.77E-08
4557	477363.09, 3859377.25	1.24E-04	3.93E-08	1.14E-08	1.34E-04	4.23E-08	1.23E-08	2.10E-04	6.62E-08	1.93E-08
4558	477863.09, 3859377.25	2.30E-04	7.25E-08	2.11E-08	2.48E-04	7.81E-08	2.27E-08	3.89E-04	1.23E-07	3.57E-08
4559	478363.09, 3859377.25	3.75E-04	1.18E-07	3.44E-08	4.04E-04	1.28E-07	3.71E-08	6.37E-04	2.01E-07	5.85E-08
4560	478863.09, 3859377.25	6.47E-04	2.04E-07	5.94E-08	6.98E-04	2.20E-07	6.41E-08	1.11E-03	3.49E-07	1.01E-07
4561	479363.09, 3859377.25	9.67E-04	3.05E-07	8.88E-08	1.04E-03	3.29E-07	9.58E-08	1.66E-03	5.23E-07	1.52E-07
4562	479863.09, 3859377.25	1.27E-03	4.02E-07	1.17E-07	1.38E-03	4.34E-07	1.26E-07	2.18E-03	6.89E-07	2.00E-07
4563	480363.09, 3859377.25	1.56E-03	4.92E-07	1.43E-07	1.68E-03	5.31E-07	1.54E-07	2.67E-03	8.41E-07	2.45E-07
4564	480863.09, 3859377.25	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	3.01E-03	9.50E-07	2.76E-07
4565	481363.09, 3859377.25	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.66E-07	1.94E-07	3.34E-03	1.05E-06	3.06E-07
4566	481863.09, 3859377.25	2.16E-03	6.82E-07	1.98E-07	2.33E-03	7.36E-07	2.14E-07	3.69E-03	1.16E-06	3.38E-07
4567	482363.09, 3859377.25	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.02E-03	1.27E-06	3.69E-07
4568	482863.09, 3859377.25	2.62E-03	8.26E-07	2.40E-07	2.82E-03	8.91E-07	2.59E-07	4.46E-03	1.41E-06	4.09E-07
4569	483363.09, 3859377.25	2.89E-03	9.11E-07	2.65E-07	3.11E-03	9.82E-07	2.86E-07	4.90E-03	1.55E-06	4.50E-07
4570	483863.09, 3859377.25	3.00E-03	9.47E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.07E-03	1.60E-06	4.66E-07
4571	484363.09, 3859377.25	3.26E-03	1.03E-06	2.99E-07	3.51E-03	1.11E-06	3.23E-07	5.51E-03	1.74E-06	5.06E-07

4572	484863.09, 3859377.25	3.55E-03	1.12E-06	3.26E-07	3.83E-03	1.21E-06	3.52E-07	6.01E-03	1.90E-06	5.51E-07
4573	485363.09, 3859377.25	3.82E-03	1.21E-06	3.51E-07	4.12E-03	1.30E-06	3.78E-07	6.45E-03	2.04E-06	5.93E-07
4574	485863.09, 3859377.25	4.07E-03	1.28E-06	3.74E-07	4.39E-03	1.38E-06	4.03E-07	6.86E-03	2.17E-06	6.30E-07
4575	486363.09, 3859377.25	4.33E-03	1.37E-06	3.98E-07	4.67E-03	1.47E-06	4.28E-07	7.30E-03	2.30E-06	6.70E-07
4576	486863.09, 3859377.25	4.57E-03	1.44E-06	4.19E-07	4.92E-03	1.55E-06	4.52E-07	7.68E-03	2.42E-06	7.05E-07
4577	487363.09, 3859377.25	4.79E-03	1.51E-06	4.40E-07	5.16E-03	1.63E-06	4.74E-07	8.04E-03	2.54E-06	7.38E-07
4578	487863.09, 3859377.25	5.05E-03	1.60E-06	4.64E-07	5.44E-03	1.72E-06	4.99E-07	8.44E-03	2.66E-06	7.75E-07
4579	488363.09, 3859377.25	5.33E-03	1.68E-06	4.90E-07	5.74E-03	1.81E-06	5.27E-07	8.89E-03	2.81E-06	8.16E-07
4580	488863.09, 3859377.25	5.47E-03	1.73E-06	5.02E-07	5.89E-03	1.86E-06	5.40E-07	9.16E-03	2.89E-06	8.41E-07
4581	489363.09, 3859377.25	5.27E-03	1.66E-06	4.83E-07	5.67E-03	1.79E-06	5.21E-07	8.84E-03	2.79E-06	8.11E-07
4582	489863.09, 3859377.25	5.41E-03	1.71E-06	4.97E-07	5.83E-03	1.84E-06	5.35E-07	9.09E-03	2.87E-06	8.35E-07
4583	490363.09, 3859377.25	5.42E-03	1.71E-06	4.97E-07	5.84E-03	1.84E-06	5.36E-07	9.18E-03	2.90E-06	8.43E-07
4584	490863.09, 3859377.25	5.10E-03	1.61E-06	4.68E-07	5.50E-03	1.74E-06	5.05E-07	8.71E-03	2.75E-06	7.99E-07
4585	491363.09, 3859377.25	4.10E-03	1.29E-06	3.76E-07	4.43E-03	1.40E-06	4.06E-07	7.05E-03	2.23E-06	6.48E-07
4586	491863.09, 3859377.25	4.42E-03	1.40E-06	4.06E-07	4.77E-03	1.51E-06	4.38E-07	7.59E-03	2.40E-06	6.97E-07
4587	492363.09, 3859377.25	4.17E-03	1.32E-06	3.83E-07	4.51E-03	1.42E-06	4.14E-07	7.17E-03	2.26E-06	6.58E-07
4588	492863.09, 3859377.25	3.98E-03	1.25E-06	3.65E-07	4.29E-03	1.35E-06	3.94E-07	6.83E-03	2.16E-06	6.27E-07
4589	493363.09, 3859377.25	3.62E-03	1.14E-06	3.32E-07	3.90E-03	1.23E-06	3.58E-07	6.22E-03	1.96E-06	5.71E-07
4590	493863.09, 3859377.25	3.43E-03	1.08E-06	3.15E-07	3.70E-03	1.17E-06	3.40E-07	5.90E-03	1.86E-06	5.41E-07
4591	494363.09, 3859377.25	3.16E-03	9.97E-07	2.90E-07	3.41E-03	1.08E-06	3.13E-07	5.44E-03	1.72E-06	4.99E-07
4592	494863.09, 3859377.25	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
4593	495363.09, 3859377.25	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.43E-03	1.40E-06	4.07E-07
4594	495863.09, 3859377.25	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.29E-06	3.74E-07
4595	496363.09, 3859377.25	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.98E-03	1.26E-06	3.66E-07
4596	496863.09, 3859377.25	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.56E-03	1.12E-06	3.27E-07
4597	497363.09, 3859377.25	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.64E-03	1.15E-06	3.34E-07
4598	497863.09, 3859377.25	2.23E-03	7.03E-07	2.05E-07	2.41E-03	7.60E-07	2.21E-07	3.84E-03	1.21E-06	3.52E-07
4599	498363.09, 3859377.25	2.26E-03	7.12E-07	2.07E-07	2.44E-03	7.70E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
4600	471363.09, 3859877.25	4.21E-04	1.33E-07	3.87E-08	4.54E-04	1.43E-07	4.17E-08	7.21E-04	2.28E-07	6.62E-08
4601	471863.09, 3859877.25	4.49E-04	1.42E-07	4.12E-08	4.85E-04	1.53E-07	4.45E-08	7.70E-04	2.43E-07	7.06E-08
4602	472363.09, 3859877.25	4.74E-04	1.49E-07	4.35E-08	5.11E-04	1.61E-07	4.69E-08	8.12E-04	2.56E-07	7.45E-08
4603	472863.09, 3859877.25	5.12E-04	1.61E-07	4.70E-08	5.52E-04	1.74E-07	5.07E-08	8.77E-04	2.77E-07	8.05E-08
4604	473363.09, 3859877.25	5.49E-04	1.73E-07	5.04E-08	5.92E-04	1.87E-07	5.44E-08	9.39E-04	2.96E-07	8.62E-08
4605	473863.09, 3859877.25	5.81E-04	1.83E-07	5.33E-08	6.27E-04	1.98E-07	5.75E-08	9.93E-04	3.13E-07	9.12E-08
4606	474363.09, 3859877.25	5.46E-04	1.72E-07	5.01E-08	5.89E-04	1.86E-07	5.41E-08	9.33E-04	2.94E-07	8.56E-08
4607	474863.09, 3859877.25	4.61E-04	1.46E-07	4.23E-08	4.98E-04	1.57E-07	4.57E-08	7.88E-04	2.49E-07	7.23E-08
4608	475363.09, 3859877.25	2.76E-04	8.70E-08	2.53E-08	2.97E-04	9.38E-08	2.73E-08	4.69E-04	1.48E-07	4.31E-08
4609	475863.09, 3859877.25	1.46E-04	4.59E-08	1.34E-08	1.57E-04	4.95E-08	1.44E-08	2.47E-04	7.79E-08	2.27E-08
4610	476363.09, 3859877.25	9.29E-05	2.93E-08	8.53E-09	1.00E-04	3.16E-08	9.19E-09	1.57E-04	4.95E-08	1.44E-08
4611	476863.09, 3859877.25	1.07E-04	3.38E-08	9.82E-09	1.15E-04	3.64E-08	1.06E-08	1.81E-04	5.70E-08	1.66E-08
4612	477363.09, 3859877.25	1.14E-04	3.60E-08	1.05E-08	1.23E-04	3.88E-08	1.13E-08	1.92E-04	6.06E-08	1.76E-08
4613	477863.09, 3859877.25	2.04E-04	6.44E-08	1.87E-08	2.20E-04	6.94E-08	2.02E-08	3.45E-04	1.09E-07	3.17E-08
4614	478363.09, 3859877.25	3.69E-04	1.16E-07	3.39E-08	3.98E-04	1.26E-07	3.65E-08	6.27E-04	1.98E-07	5.76E-08
4615	478863.09, 3859877.25	6.34E-04	2.00E-07	5.82E-08	6.84E-04	2.16E-07	6.28E-08	1.08E-03	3.42E-07	9.94E-08
4616	479363.09, 3859877.25	9.82E-04	3.10E-07	9.02E-08	1.06E-03	3.35E-07	9.73E-08	1.68E-03	5.31E-07	1.54E-07
4617	479863.09, 3859877.25	1.25E-03	3.94E-07	1.15E-07	1.35E-03	4.25E-07	1.24E-07	2.14E-03	6.74E-07	1.96E-07
4618	480363.09, 3859877.25	1.46E-03	4.59E-07	1.34E-07	1.57E-03	4.96E-07	1.44E-07	2.49E-03	7.85E-07	2.28E-07
4619	480863.09, 3859877.25	1.61E-03	5.07E-07	1.48E-07	1.73E-03	5.47E-07	1.59E-07	2.74E-03	8.65E-07	2.52E-07
4620	481363.09, 3859877.25	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.74E-07	3.00E-03	9.48E-07	2.76E-07
4621	481863.09, 3859877.25	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.51E-07	1.89E-07	3.26E-03	1.03E-06	2.99E-07
4622	482363.09, 3859877.25	2.07E-03	6.54E-07	1.90E-07	2.24E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
4623	482863.09, 3859877.25	2.25E-03	7.10E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.83E-03	1.21E-06	3.52E-07
4624	483363.09, 3859877.25	2.42E-03	7.62E-07	2.22E-07	2.61E-03	8.22E-07	2.39E-07	4.11E-03	1.30E-06	3.77E-07
4625	483863.09, 3859877.25	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.51E-07	2.48E-07	4.23E-03	1.34E-06	3.89E-07
4626	484363.09, 3859877.25	2.63E-03	8.30E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.44E-03	1.40E-06	4.08E-07
4627	484863.09, 3859877.25	2.80E-03	8.83E-07	2.57E-07	3.01E-03	9.52E-07	2.77E-07	4.73E-03	1.49E-06	4.34E-07
4628	485363.09, 3859877.25	2.94E-03	9.29E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	4.97E-03	1.57E-06	4.56E-07
4629	485863.09, 3859877.25	3.06E-03	9.67E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.16E-03	1.63E-06	4.74E-07
4630	486363.09, 3859877.25	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.34E-03	1.69E-06	4.91E-07
4631	486863.09, 3859877.25	3.30E-03	1.04E-06	3.03E-07	3.55E-03	1.12E-06	3.26E-07	5.55E-03	1.75E-06	5.09E-07
4632	487363.09, 3859877.25	3.31E-03	1.05E-06	3.04E-07	3.57E-03	1.13E-06	3.27E-07	5.56E-03	1.76E-06	5.11E-07

4633	487863.09, 3859877.25	3.44E-03	1.09E-06	3.16E-07	3.71E-03	1.17E-06	3.41E-07	5.78E-03	1.83E-06	5.31E-07
4634	488363.09, 3859877.25	3.50E-03	1.11E-06	3.22E-07	3.77E-03	1.19E-06	3.46E-07	5.89E-03	1.86E-06	5.41E-07
4635	488863.09, 3859877.25	3.65E-03	1.15E-06	3.35E-07	3.93E-03	1.24E-06	3.61E-07	6.17E-03	1.95E-06	5.66E-07
4636	489363.09, 3859877.25	3.69E-03	1.16E-06	3.39E-07	3.98E-03	1.26E-06	3.65E-07	6.26E-03	1.97E-06	5.74E-07
4637	489863.09, 3859877.25	3.51E-03	1.11E-06	3.22E-07	3.79E-03	1.19E-06	3.47E-07	5.96E-03	1.88E-06	5.47E-07
4638	490363.09, 3859877.25	3.44E-03	1.09E-06	3.16E-07	3.71E-03	1.17E-06	3.41E-07	5.84E-03	1.84E-06	5.36E-07
4639	490863.09, 3859877.25	3.62E-03	1.14E-06	3.32E-07	3.90E-03	1.23E-06	3.58E-07	6.15E-03	1.94E-06	5.65E-07
4640	491363.09, 3859877.25	3.64E-03	1.15E-06	3.34E-07	3.93E-03	1.24E-06	3.60E-07	6.21E-03	1.96E-06	5.70E-07
4641	491863.09, 3859877.25	3.58E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.13E-03	1.94E-06	5.63E-07
4642	492363.09, 3859877.25	3.48E-03	1.10E-06	3.19E-07	3.75E-03	1.18E-06	3.45E-07	5.96E-03	1.88E-06	5.47E-07
4643	492863.09, 3859877.25	3.32E-03	1.05E-06	3.05E-07	3.58E-03	1.13E-06	3.29E-07	5.69E-03	1.80E-06	5.23E-07
4644	493363.09, 3859877.25	3.16E-03	9.99E-07	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.43E-03	1.71E-06	4.99E-07
4645	493863.09, 3859877.25	3.01E-03	9.51E-07	2.77E-07	3.25E-03	1.03E-06	2.99E-07	5.17E-03	1.63E-06	4.75E-07
4646	494363.09, 3859877.25	2.84E-03	8.97E-07	2.61E-07	3.07E-03	9.68E-07	2.82E-07	4.88E-03	1.54E-06	4.48E-07
4647	494863.09, 3859877.25	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
4648	495363.09, 3859877.25	2.58E-03	8.15E-07	2.37E-07	2.79E-03	8.80E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
4649	495863.09, 3859877.25	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
4650	496363.09, 3859877.25	2.20E-03	6.96E-07	2.02E-07	2.38E-03	7.52E-07	2.19E-07	3.80E-03	1.20E-06	3.49E-07
4651	496863.09, 3859877.25	1.70E-03	5.36E-07	1.56E-07	1.84E-03	5.79E-07	1.69E-07	2.93E-03	9.23E-07	2.69E-07
4652	497363.09, 3859877.25	1.98E-03	6.24E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.41E-03	1.08E-06	3.13E-07
4653	497863.09, 3859877.25	2.13E-03	6.72E-07	1.95E-07	2.30E-03	7.26E-07	2.11E-07	3.67E-03	1.16E-06	3.37E-07
4654	498363.09, 3859877.25	2.11E-03	6.67E-07	1.94E-07	2.28E-03	7.20E-07	2.10E-07	3.64E-03	1.15E-06	3.34E-07
4655	471363.09, 3860377.25	4.30E-04	1.36E-07	3.94E-08	4.64E-04	1.46E-07	4.26E-08	7.36E-04	2.32E-07	6.76E-08
4656	471863.09, 3860377.25	4.54E-04	1.43E-07	4.17E-08	4.90E-04	1.55E-07	4.50E-08	7.78E-04	2.46E-07	7.14E-08
4657	472363.09, 3860377.25	4.84E-04	1.53E-07	4.44E-08	5.22E-04	1.65E-07	4.79E-08	8.28E-04	2.61E-07	7.60E-08
4658	472863.09, 3860377.25	5.16E-04	1.63E-07	4.73E-08	5.56E-04	1.76E-07	5.11E-08	8.81E-04	2.78E-07	8.09E-08
4659	473363.09, 3860377.25	5.46E-04	1.72E-07	5.01E-08	5.89E-04	1.86E-07	5.41E-08	9.32E-04	2.94E-07	8.56E-08
4660	473863.09, 3860377.25	5.72E-04	1.80E-07	5.25E-08	6.17E-04	1.95E-07	5.66E-08	9.77E-04	3.08E-07	8.97E-08
4661	474363.09, 3860377.25	5.80E-04	1.83E-07	5.33E-08	6.26E-04	1.98E-07	5.75E-08	9.92E-04	3.13E-07	9.10E-08
4662	474863.09, 3860377.25	5.64E-04	1.78E-07	5.18E-08	6.09E-04	1.92E-07	5.59E-08	9.65E-04	3.05E-07	8.86E-08
4663	475363.09, 3860377.25	4.94E-04	1.56E-07	4.53E-08	5.33E-04	1.68E-07	4.89E-08	8.45E-04	2.67E-07	7.75E-08
4664	475863.09, 3860377.25	4.03E-04	1.27E-07	3.70E-08	4.35E-04	1.37E-07	3.99E-08	6.88E-04	2.17E-07	6.32E-08
4665	476363.09, 3860377.25	3.08E-04	9.72E-08	2.83E-08	3.32E-04	1.05E-07	3.05E-08	5.24E-04	1.65E-07	4.81E-08
4666	476863.09, 3860377.25	2.75E-04	8.68E-08	2.53E-08	2.97E-04	9.36E-08	2.72E-08	4.67E-04	1.47E-07	4.29E-08
4667	477363.09, 3860377.25	1.67E-04	5.26E-08	1.53E-08	1.80E-04	5.67E-08	1.65E-08	2.82E-04	8.89E-08	2.58E-08
4668	477863.09, 3860377.25	2.12E-04	6.68E-08	1.94E-08	2.28E-04	7.20E-08	2.09E-08	3.58E-04	1.13E-07	3.29E-08
4669	478363.09, 3860377.25	4.12E-04	1.30E-07	3.78E-08	4.45E-04	1.40E-07	4.08E-08	7.02E-04	2.22E-07	6.44E-08
4670	478863.09, 3860377.25	6.49E-04	2.05E-07	5.96E-08	7.00E-04	2.21E-07	6.43E-08	1.11E-03	3.50E-07	1.02E-07
4671	479363.09, 3860377.25	9.41E-04	2.97E-07	8.64E-08	1.02E-03	3.21E-07	9.33E-08	1.61E-03	5.09E-07	1.48E-07
4672	479863.09, 3860377.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.03E-07	1.17E-07	2.03E-03	6.40E-07	1.86E-07
4673	480363.09, 3860377.25	1.34E-03	4.23E-07	1.23E-07	1.45E-03	4.57E-07	1.33E-07	2.29E-03	7.23E-07	2.10E-07
4674	480863.09, 3860377.25	1.46E-03	4.61E-07	1.34E-07	1.58E-03	4.97E-07	1.45E-07	2.49E-03	7.85E-07	2.28E-07
4675	481363.09, 3860377.25	1.57E-03	4.96E-07	1.44E-07	1.70E-03	5.35E-07	1.56E-07	2.68E-03	8.45E-07	2.46E-07
4676	481863.09, 3860377.25	1.69E-03	5.33E-07	1.55E-07	1.82E-03	5.75E-07	1.67E-07	2.88E-03	9.09E-07	2.64E-07
4677	482363.09, 3860377.25	1.81E-03	5.70E-07	1.66E-07	1.95E-03	6.15E-07	1.79E-07	3.07E-03	9.70E-07	2.82E-07
4678	482863.09, 3860377.25	1.92E-03	6.07E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.27E-03	1.03E-06	3.00E-07
4679	483363.09, 3860377.25	2.03E-03	6.42E-07	1.87E-07	2.19E-03	6.92E-07	2.01E-07	3.45E-03	1.09E-06	3.17E-07
4680	483863.09, 3860377.25	2.14E-03	6.76E-07	1.97E-07	2.31E-03	7.28E-07	2.12E-07	3.63E-03	1.14E-06	3.33E-07
4681	484363.09, 3860377.25	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.38E-07	2.15E-07	3.66E-03	1.16E-06	3.36E-07
4682	484863.09, 3860377.25	2.27E-03	7.15E-07	2.08E-07	2.44E-03	7.70E-07	2.24E-07	3.82E-03	1.21E-06	3.51E-07
4683	485363.09, 3860377.25	2.35E-03	7.41E-07	2.15E-07	2.53E-03	7.98E-07	2.32E-07	3.96E-03	1.25E-06	3.63E-07
4684	485863.09, 3860377.25	2.42E-03	7.62E-07	2.22E-07	2.60E-03	8.21E-07	2.39E-07	4.07E-03	1.28E-06	3.74E-07
4685	486363.09, 3860377.25	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.30E-07	2.41E-07	4.11E-03	1.30E-06	3.78E-07
4686	486863.09, 3860377.25	2.45E-03	7.75E-07	2.25E-07	2.64E-03	8.35E-07	2.43E-07	4.13E-03	1.30E-06	3.79E-07
4687	487363.09, 3860377.25	2.46E-03	7.77E-07	2.26E-07	2.65E-03	8.37E-07	2.43E-07	4.14E-03	1.31E-06	3.80E-07
4688	487863.09, 3860377.25	2.52E-03	7.94E-07	2.31E-07	2.71E-03	8.55E-07	2.49E-07	4.23E-03	1.34E-06	3.89E-07
4689	488363.09, 3860377.25	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.73E-07	2.54E-07	4.33E-03	1.37E-06	3.98E-07
4690	488863.09, 3860377.25	2.63E-03	8.30E-07	2.41E-07	2.83E-03	8.95E-07	2.60E-07	4.45E-03	1.40E-06	4.09E-07
4691	489363.09, 3860377.25	2.71E-03	8.54E-07	2.49E-07	2.92E-03	9.21E-07	2.68E-07	4.60E-03	1.45E-06	4.22E-07
4692	489863.09, 3860377.25	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.34E-07	2.72E-07	4.67E-03	1.47E-06	4.28E-07
4693	490363.09, 3860377.25	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.43E-03	1.40E-06	4.07E-07

4694	490863.09, 3860377.25	2.49E-03	7.86E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.24E-03	1.34E-06	3.89E-07
4695	491363.09, 3860377.25	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.55E-07	2.49E-07	4.28E-03	1.35E-06	3.93E-07
4696	491863.09, 3860377.25	2.60E-03	8.22E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.45E-03	1.40E-06	4.08E-07
4697	492363.09, 3860377.25	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.15E-07	2.66E-07	4.60E-03	1.45E-06	4.22E-07
4698	492863.09, 3860377.25	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.56E-03	1.44E-06	4.18E-07
4699	493363.09, 3860377.25	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
4700	493863.09, 3860377.25	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.36E-03	1.38E-06	4.01E-07
4701	494363.09, 3860377.25	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.34E-06	3.89E-07
4702	494863.09, 3860377.25	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.08E-03	1.29E-06	3.75E-07
4703	495363.09, 3860377.25	2.29E-03	7.23E-07	2.10E-07	2.48E-03	7.81E-07	2.27E-07	3.95E-03	1.25E-06	3.62E-07
4704	495863.09, 3860377.25	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.38E-07	2.15E-07	3.72E-03	1.18E-06	3.42E-07
4705	496363.09, 3860377.25	2.02E-03	6.36E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.47E-03	1.09E-06	3.18E-07
4706	496863.09, 3860377.25	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.22E-03	1.02E-06	2.95E-07
4707	497363.09, 3860377.25	1.68E-03	5.30E-07	1.54E-07	1.81E-03	5.72E-07	1.67E-07	2.89E-03	9.13E-07	2.65E-07
4708	497863.09, 3860377.25	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.16E-03	9.98E-07	2.90E-07
4709	498363.09, 3860377.25	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.22E-03	1.02E-06	2.96E-07
4710	471363.09, 3860877.25	4.34E-04	1.37E-07	3.99E-08	4.69E-04	1.48E-07	4.30E-08	7.43E-04	2.35E-07	6.82E-08
4711	471863.09, 3860877.25	4.58E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.54E-08	7.84E-04	2.47E-07	7.20E-08
4712	472363.09, 3860877.25	4.82E-04	1.52E-07	4.43E-08	5.20E-04	1.64E-07	4.78E-08	8.24E-04	2.60E-07	7.56E-08
4713	472863.09, 3860877.25	5.09E-04	1.61E-07	4.67E-08	5.49E-04	1.73E-07	5.04E-08	8.70E-04	2.74E-07	7.98E-08
4714	473363.09, 3860877.25	5.34E-04	1.68E-07	4.90E-08	5.76E-04	1.82E-07	5.29E-08	9.11E-04	2.88E-07	8.37E-08
4715	473863.09, 3860877.25	5.58E-04	1.76E-07	5.13E-08	6.02E-04	1.90E-07	5.53E-08	9.54E-04	3.01E-07	8.76E-08
4716	474363.09, 3860877.25	5.82E-04	1.84E-07	5.34E-08	6.27E-04	1.98E-07	5.76E-08	9.94E-04	3.14E-07	9.12E-08
4717	474863.09, 3860877.25	6.09E-04	1.92E-07	5.59E-08	6.57E-04	2.07E-07	6.03E-08	1.04E-03	3.28E-07	9.55E-08
4718	475363.09, 3860877.25	6.13E-04	1.94E-07	5.63E-08	6.62E-04	2.09E-07	6.08E-08	1.05E-03	3.31E-07	9.63E-08
4719	475863.09, 3860877.25	5.87E-04	1.85E-07	5.39E-08	6.34E-04	2.00E-07	5.82E-08	1.00E-03	3.17E-07	9.23E-08
4720	476363.09, 3860877.25	5.25E-04	1.66E-07	4.82E-08	5.66E-04	1.79E-07	5.20E-08	8.98E-04	2.83E-07	8.24E-08
4721	476863.09, 3860877.25	5.01E-04	1.58E-07	4.60E-08	5.41E-04	1.71E-07	4.96E-08	8.57E-04	2.70E-07	7.86E-08
4722	477363.09, 3860877.25	5.19E-04	1.64E-07	4.77E-08	5.60E-04	1.77E-07	5.14E-08	8.88E-04	2.80E-07	8.15E-08
4723	477863.09, 3860877.25	4.41E-04	1.39E-07	4.05E-08	4.76E-04	1.50E-07	4.37E-08	7.52E-04	2.37E-07	6.91E-08
4724	478363.09, 3860877.25	2.53E-04	7.98E-08	2.32E-08	2.72E-04	8.60E-08	2.50E-08	4.28E-04	1.35E-07	3.93E-08
4725	478863.09, 3860877.25	6.02E-04	1.90E-07	5.53E-08	6.50E-04	2.05E-07	5.96E-08	1.03E-03	3.25E-07	9.45E-08
4726	479363.09, 3860877.25	9.02E-04	2.85E-07	8.28E-08	9.74E-04	3.07E-07	8.94E-08	1.55E-03	4.88E-07	1.42E-07
4727	479863.09, 3860877.25	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.88E-03	5.95E-07	1.73E-07
4728	480363.09, 3860877.25	1.22E-03	3.85E-07	1.12E-07	1.32E-03	4.15E-07	1.21E-07	2.08E-03	6.56E-07	1.91E-07
4729	480863.09, 3860877.25	1.31E-03	4.12E-07	1.20E-07	1.41E-03	4.45E-07	1.29E-07	2.22E-03	7.02E-07	2.04E-07
4730	481363.09, 3860877.25	1.40E-03	4.41E-07	1.28E-07	1.51E-03	4.76E-07	1.38E-07	2.38E-03	7.51E-07	2.18E-07
4731	481863.09, 3860877.25	1.48E-03	4.67E-07	1.36E-07	1.60E-03	5.04E-07	1.47E-07	2.52E-03	7.95E-07	2.31E-07
4732	482363.09, 3860877.25	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.34E-07	1.55E-07	2.67E-03	8.41E-07	2.45E-07
4733	482863.09, 3860877.25	1.65E-03	5.22E-07	1.52E-07	1.78E-03	5.63E-07	1.64E-07	2.81E-03	8.86E-07	2.58E-07
4734	483363.09, 3860877.25	1.73E-03	5.46E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.93E-03	9.25E-07	2.69E-07
4735	483863.09, 3860877.25	1.80E-03	5.69E-07	1.66E-07	1.94E-03	6.13E-07	1.78E-07	3.05E-03	9.62E-07	2.80E-07
4736	484363.09, 3860877.25	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.31E-07	1.83E-07	3.13E-03	9.88E-07	2.87E-07
4737	484863.09, 3860877.25	1.87E-03	5.91E-07	1.72E-07	2.02E-03	6.36E-07	1.85E-07	3.16E-03	9.97E-07	2.90E-07
4738	485363.09, 3860877.25	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.25E-03	1.03E-06	2.99E-07
4739	485863.09, 3860877.25	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.74E-07	1.96E-07	3.34E-03	1.06E-06	3.07E-07
4740	486363.09, 3860877.25	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.65E-07	1.94E-07	3.30E-03	1.04E-06	3.03E-07
4741	486863.09, 3860877.25	1.94E-03	6.13E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.27E-03	1.03E-06	3.00E-07
4742	487363.09, 3860877.25	1.94E-03	6.13E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.27E-03	1.03E-06	3.00E-07
4743	487863.09, 3860877.25	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.59E-07	1.92E-07	3.26E-03	1.03E-06	3.00E-07
4744	488363.09, 3860877.25	2.02E-03	6.38E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.41E-03	1.08E-06	3.13E-07
4745	488863.09, 3860877.25	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.88E-07	2.00E-07	3.43E-03	1.08E-06	3.14E-07
4746	489363.09, 3860877.25	2.09E-03	6.61E-07	1.92E-07	2.26E-03	7.13E-07	2.07E-07	3.55E-03	1.12E-06	3.26E-07
4747	489863.09, 3860877.25	2.10E-03	6.62E-07	1.93E-07	2.26E-03	7.14E-07	2.08E-07	3.57E-03	1.13E-06	3.27E-07
4748	490363.09, 3860877.25	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.62E-03	1.14E-06	3.32E-07
4749	490863.09, 3860877.25	2.04E-03	6.44E-07	1.87E-07	2.20E-03	6.95E-07	2.02E-07	3.48E-03	1.10E-06	3.20E-07
4750	491363.09, 3860877.25	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
4751	491863.09, 3860877.25	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
4752	492363.09, 3860877.25	1.95E-03	6.14E-07	1.79E-07	2.10E-03	6.63E-07	1.93E-07	3.33E-03	1.05E-06	3.05E-07
4753	492863.09, 3860877.25	2.02E-03	6.37E-07	1.85E-07	2.18E-03	6.88E-07	2.00E-07	3.45E-03	1.09E-06	3.17E-07
4754	493363.09, 3860877.25	2.09E-03	6.58E-07	1.91E-07	2.25E-03	7.11E-07	2.07E-07	3.58E-03	1.13E-06	3.28E-07

4755	493863.09, 3860877.25	2.07E-03	6.54E-07	1.90E-07	2.24E-03	7.06E-07	2.05E-07	3.56E-03	1.12E-06	3.27E-07
4756	494363.09, 3860877.25	2.04E-03	6.43E-07	1.87E-07	2.20E-03	6.95E-07	2.02E-07	3.50E-03	1.11E-06	3.22E-07
4757	494863.09, 3860877.25	2.00E-03	6.31E-07	1.84E-07	2.16E-03	6.82E-07	1.98E-07	3.44E-03	1.09E-06	3.16E-07
4758	495363.09, 3860877.25	1.95E-03	6.16E-07	1.79E-07	2.11E-03	6.65E-07	1.94E-07	3.36E-03	1.06E-06	3.09E-07
4759	495863.09, 3860877.25	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.26E-03	1.03E-06	2.99E-07
4760	496363.09, 3860877.25	1.85E-03	5.84E-07	1.70E-07	2.00E-03	6.31E-07	1.84E-07	3.19E-03	1.01E-06	2.93E-07
4761	496863.09, 3860877.25	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.04E-03	9.59E-07	2.79E-07
4762	497363.09, 3860877.25	1.72E-03	5.42E-07	1.58E-07	1.85E-03	5.85E-07	1.70E-07	2.95E-03	9.32E-07	2.71E-07
4763	497863.09, 3860877.25	1.66E-03	5.23E-07	1.52E-07	1.79E-03	5.65E-07	1.64E-07	2.85E-03	8.99E-07	2.62E-07
4764	498363.09, 3860877.25	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.60E-07	1.63E-07	2.83E-03	8.92E-07	2.60E-07
4765	471363.09, 3861377.25	4.33E-04	1.37E-07	3.98E-08	4.67E-04	1.48E-07	4.29E-08	7.40E-04	2.34E-07	6.79E-08
4766	471863.09, 3861377.25	4.53E-04	1.43E-07	4.16E-08	4.89E-04	1.54E-07	4.49E-08	7.74E-04	2.44E-07	7.10E-08
4767	472363.09, 3861377.25	4.74E-04	1.50E-07	4.35E-08	5.11E-04	1.61E-07	4.69E-08	8.09E-04	2.55E-07	7.43E-08
4768	472863.09, 3861377.25	4.98E-04	1.57E-07	4.57E-08	5.37E-04	1.70E-07	4.93E-08	8.50E-04	2.68E-07	7.81E-08
4769	473363.09, 3861377.25	5.21E-04	1.64E-07	4.78E-08	5.62E-04	1.77E-07	5.16E-08	8.90E-04	2.81E-07	8.17E-08
4770	473863.09, 3861377.25	5.43E-04	1.72E-07	4.99E-08	5.86E-04	1.85E-07	5.38E-08	9.28E-04	2.93E-07	8.52E-08
4771	474363.09, 3861377.25	5.73E-04	1.81E-07	5.26E-08	6.18E-04	1.95E-07	5.67E-08	9.78E-04	3.09E-07	8.98E-08
4772	474863.09, 3861377.25	5.95E-04	1.88E-07	5.46E-08	6.42E-04	2.03E-07	5.89E-08	1.02E-03	3.21E-07	9.33E-08
4773	475363.09, 3861377.25	6.27E-04	1.98E-07	5.76E-08	6.77E-04	2.14E-07	6.21E-08	1.07E-03	3.38E-07	9.83E-08
4774	475863.09, 3861377.25	6.46E-04	2.04E-07	5.93E-08	6.97E-04	2.20E-07	6.40E-08	1.10E-03	3.48E-07	1.01E-07
4775	476363.09, 3861377.25	6.51E-04	2.06E-07	5.98E-08	7.03E-04	2.22E-07	6.45E-08	1.11E-03	3.51E-07	1.02E-07
4776	476863.09, 3861377.25	6.58E-04	2.08E-07	6.04E-08	7.10E-04	2.24E-07	6.52E-08	1.13E-03	3.55E-07	1.03E-07
4777	477363.09, 3861377.25	6.68E-04	2.11E-07	6.13E-08	7.21E-04	2.28E-07	6.62E-08	1.14E-03	3.61E-07	1.05E-07
4778	477863.09, 3861377.25	5.56E-04	1.76E-07	5.11E-08	6.00E-04	1.89E-07	5.51E-08	9.52E-04	3.00E-07	8.74E-08
4779	478363.09, 3861377.25	3.14E-04	9.91E-08	2.88E-08	3.39E-04	1.07E-07	3.11E-08	5.33E-04	1.68E-07	4.90E-08
4780	478863.09, 3861377.25	4.06E-04	1.28E-07	3.73E-08	4.38E-04	1.38E-07	4.02E-08	6.92E-04	2.18E-07	6.35E-08
4781	479363.09, 3861377.25	8.10E-04	2.56E-07	7.44E-08	8.74E-04	2.76E-07	8.03E-08	1.39E-03	4.38E-07	1.27E-07
4782	479863.09, 3861377.25	9.99E-04	3.15E-07	9.17E-08	1.08E-03	3.40E-07	9.89E-08	1.71E-03	5.38E-07	1.57E-07
4783	480363.09, 3861377.25	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.88E-03	5.92E-07	1.72E-07
4784	480863.09, 3861377.25	1.18E-03	3.71E-07	1.08E-07	1.27E-03	4.00E-07	1.16E-07	2.00E-03	6.31E-07	1.83E-07
4785	481363.09, 3861377.25	1.24E-03	3.91E-07	1.14E-07	1.34E-03	4.22E-07	1.23E-07	2.11E-03	6.65E-07	1.94E-07
4786	481863.09, 3861377.25	1.30E-03	4.12E-07	1.20E-07	1.41E-03	4.44E-07	1.29E-07	2.21E-03	6.99E-07	2.03E-07
4787	482363.09, 3861377.25	1.37E-03	4.32E-07	1.26E-07	1.48E-03	4.66E-07	1.36E-07	2.32E-03	7.33E-07	2.13E-07
4788	482863.09, 3861377.25	1.43E-03	4.52E-07	1.32E-07	1.54E-03	4.88E-07	1.42E-07	2.43E-03	7.66E-07	2.23E-07
4789	483363.09, 3861377.25	1.49E-03	4.71E-07	1.37E-07	1.61E-03	5.08E-07	1.48E-07	2.53E-03	7.97E-07	2.32E-07
4790	483863.09, 3861377.25	1.54E-03	4.87E-07	1.42E-07	1.66E-03	5.25E-07	1.53E-07	2.61E-03	8.23E-07	2.39E-07
4791	484363.09, 3861377.25	1.59E-03	5.03E-07	1.46E-07	1.72E-03	5.42E-07	1.58E-07	2.69E-03	8.50E-07	2.47E-07
4792	484863.09, 3861377.25	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.71E-03	8.56E-07	2.49E-07
4793	485363.09, 3861377.25	1.61E-03	5.07E-07	1.48E-07	1.73E-03	5.47E-07	1.59E-07	2.71E-03	8.56E-07	2.49E-07
4794	485863.09, 3861377.25	1.62E-03	5.13E-07	1.49E-07	1.75E-03	5.52E-07	1.61E-07	2.74E-03	8.64E-07	2.51E-07
4795	486363.09, 3861377.25	1.61E-03	5.09E-07	1.48E-07	1.74E-03	5.48E-07	1.59E-07	2.71E-03	8.56E-07	2.49E-07
4796	486863.09, 3861377.25	1.59E-03	5.03E-07	1.46E-07	1.72E-03	5.42E-07	1.58E-07	2.68E-03	8.46E-07	2.46E-07
4797	487363.09, 3861377.25	1.59E-03	5.01E-07	1.46E-07	1.71E-03	5.39E-07	1.57E-07	2.67E-03	8.42E-07	2.45E-07
4798	487863.09, 3861377.25	1.59E-03	5.00E-07	1.46E-07	1.71E-03	5.39E-07	1.57E-07	2.67E-03	8.43E-07	2.45E-07
4799	488363.09, 3861377.25	1.59E-03	5.01E-07	1.46E-07	1.71E-03	5.40E-07	1.57E-07	2.68E-03	8.46E-07	2.46E-07
4800	488863.09, 3861377.25	1.62E-03	5.12E-07	1.49E-07	1.75E-03	5.52E-07	1.61E-07	2.75E-03	8.67E-07	2.52E-07
4801	489363.09, 3861377.25	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.58E-07	1.62E-07	2.78E-03	8.78E-07	2.55E-07
4802	489863.09, 3861377.25	1.67E-03	5.28E-07	1.54E-07	1.80E-03	5.69E-07	1.66E-07	2.84E-03	8.97E-07	2.61E-07
4803	490363.09, 3861377.25	1.70E-03	5.36E-07	1.56E-07	1.83E-03	5.78E-07	1.68E-07	2.89E-03	9.13E-07	2.66E-07
4804	490863.09, 3861377.25	1.72E-03	5.42E-07	1.58E-07	1.85E-03	5.85E-07	1.70E-07	2.93E-03	9.25E-07	2.69E-07
4805	491363.09, 3861377.25	1.66E-03	5.25E-07	1.53E-07	1.79E-03	5.66E-07	1.65E-07	2.84E-03	8.96E-07	2.61E-07
4806	491863.09, 3861377.25	1.58E-03	4.98E-07	1.45E-07	1.70E-03	5.38E-07	1.56E-07	2.70E-03	8.51E-07	2.48E-07
4807	492363.09, 3861377.25	1.54E-03	4.87E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.64E-03	8.33E-07	2.42E-07
4808	492863.09, 3861377.25	1.56E-03	4.91E-07	1.43E-07	1.68E-03	5.30E-07	1.54E-07	2.66E-03	8.39E-07	2.44E-07
4809	493363.09, 3861377.25	1.60E-03	5.06E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.74E-03	8.65E-07	2.52E-07
4810	493863.09, 3861377.25	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.60E-07	1.63E-07	2.82E-03	8.89E-07	2.58E-07
4811	494363.09, 3861377.25	1.66E-03	5.24E-07	1.53E-07	1.79E-03	5.66E-07	1.65E-07	2.85E-03	9.00E-07	2.62E-07
4812	494863.09, 3861377.25	1.66E-03	5.24E-07	1.52E-07	1.79E-03	5.65E-07	1.64E-07	2.85E-03	9.00E-07	2.62E-07
4813	495363.09, 3861377.25	1.64E-03	5.16E-07	1.50E-07	1.77E-03	5.58E-07	1.62E-07	2.81E-03	8.88E-07	2.58E-07
4814	495863.09, 3861377.25	1.60E-03	5.04E-07	1.47E-07	1.72E-03	5.44E-07	1.58E-07	2.75E-03	8.68E-07	2.52E-07
4815	496363.09, 3861377.25	1.58E-03	4.98E-07	1.45E-07	1.71E-03	5.38E-07	1.57E-07	2.72E-03	8.58E-07	2.50E-07

4816	496863.09, 3861377.25	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.34E-07	1.55E-07	2.70E-03	8.53E-07	2.48E-07
4817	497363.09, 3861377.25	1.53E-03	4.83E-07	1.41E-07	1.65E-03	5.22E-07	1.52E-07	2.64E-03	8.33E-07	2.42E-07
4818	497863.09, 3861377.25	1.49E-03	4.71E-07	1.37E-07	1.61E-03	5.09E-07	1.48E-07	2.58E-03	8.13E-07	2.37E-07
4819	498363.09, 3861377.25	1.46E-03	4.60E-07	1.34E-07	1.58E-03	4.97E-07	1.45E-07	2.52E-03	7.95E-07	2.31E-07
4820	471363.09, 3861877.25	4.26E-04	1.34E-07	3.91E-08	4.60E-04	1.45E-07	4.22E-08	7.28E-04	2.30E-07	6.68E-08
4821	471863.09, 3861877.25	4.44E-04	1.40E-07	4.08E-08	4.79E-04	1.51E-07	4.40E-08	7.58E-04	2.39E-07	6.96E-08
4822	472363.09, 3861877.25	4.63E-04	1.46E-07	4.25E-08	5.00E-04	1.58E-07	4.59E-08	7.92E-04	2.50E-07	7.27E-08
4823	472863.09, 3861877.25	4.85E-04	1.53E-07	4.45E-08	5.23E-04	1.65E-07	4.80E-08	8.28E-04	2.61E-07	7.60E-08
4824	473363.09, 3861877.25	5.07E-04	1.60E-07	4.66E-08	5.47E-04	1.73E-07	5.02E-08	8.66E-04	2.73E-07	7.95E-08
4825	473863.09, 3861877.25	5.29E-04	1.67E-07	4.86E-08	5.71E-04	1.80E-07	5.24E-08	9.03E-04	2.85E-07	8.29E-08
4826	474363.09, 3861877.25	5.53E-04	1.75E-07	5.08E-08	5.97E-04	1.88E-07	5.48E-08	9.44E-04	2.98E-07	8.67E-08
4827	474863.09, 3861877.25	5.76E-04	1.82E-07	5.29E-08	6.22E-04	1.96E-07	5.71E-08	9.83E-04	3.10E-07	9.03E-08
4828	475363.09, 3861877.25	6.02E-04	1.90E-07	5.53E-08	6.49E-04	2.05E-07	5.96E-08	1.03E-03	3.24E-07	9.43E-08
4829	475863.09, 3861877.25	6.31E-04	1.99E-07	5.79E-08	6.81E-04	2.15E-07	6.25E-08	1.08E-03	3.40E-07	9.88E-08
4830	476363.09, 3861877.25	6.59E-04	2.08E-07	6.05E-08	7.11E-04	2.24E-07	6.52E-08	1.12E-03	3.55E-07	1.03E-07
4831	476863.09, 3861877.25	6.78E-04	2.14E-07	6.22E-08	7.31E-04	2.31E-07	6.71E-08	1.16E-03	3.65E-07	1.06E-07
4832	477363.09, 3861877.25	6.87E-04	2.17E-07	6.31E-08	7.42E-04	2.34E-07	6.81E-08	1.18E-03	3.71E-07	1.08E-07
4833	477863.09, 3861877.25	5.57E-04	1.76E-07	5.12E-08	6.01E-04	1.90E-07	5.52E-08	9.53E-04	3.01E-07	8.75E-08
4834	478363.09, 3861877.25	2.56E-04	8.09E-08	2.35E-08	2.76E-04	8.72E-08	2.54E-08	4.35E-04	1.37E-07	3.99E-08
4835	478863.09, 3861877.25	4.64E-04	1.46E-07	4.26E-08	5.01E-04	1.58E-07	4.60E-08	7.92E-04	2.50E-07	7.27E-08
4836	479363.09, 3861877.25	4.18E-04	1.32E-07	3.83E-08	4.50E-04	1.42E-07	4.14E-08	7.12E-04	2.25E-07	6.53E-08
4837	479863.09, 3861877.25	9.04E-04	2.85E-07	8.30E-08	9.75E-04	3.08E-07	8.95E-08	1.54E-03	4.87E-07	1.42E-07
4838	480363.09, 3861877.25	1.00E-03	3.16E-07	9.19E-08	1.08E-03	3.41E-07	9.91E-08	1.70E-03	5.37E-07	1.56E-07
4839	480863.09, 3861877.25	1.05E-03	3.32E-07	9.66E-08	1.13E-03	3.58E-07	1.04E-07	1.79E-03	5.64E-07	1.64E-07
4840	481363.09, 3861877.25	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.87E-03	5.90E-07	1.72E-07
4841	481863.09, 3861877.25	1.15E-03	3.64E-07	1.06E-07	1.24E-03	3.93E-07	1.14E-07	1.96E-03	6.17E-07	1.80E-07
4842	482363.09, 3861877.25	1.21E-03	3.81E-07	1.11E-07	1.30E-03	4.11E-07	1.20E-07	2.05E-03	6.46E-07	1.88E-07
4843	482863.09, 3861877.25	1.26E-03	3.98E-07	1.16E-07	1.36E-03	4.29E-07	1.25E-07	2.14E-03	6.74E-07	1.96E-07
4844	483363.09, 3861877.25	1.31E-03	4.12E-07	1.20E-07	1.41E-03	4.44E-07	1.29E-07	2.21E-03	6.97E-07	2.03E-07
4845	483863.09, 3861877.25	1.34E-03	4.23E-07	1.23E-07	1.44E-03	4.56E-07	1.33E-07	2.26E-03	7.14E-07	2.08E-07
4846	484363.09, 3861877.25	1.36E-03	4.29E-07	1.25E-07	1.47E-03	4.62E-07	1.35E-07	2.30E-03	7.25E-07	2.11E-07
4847	484863.09, 3861877.25	1.39E-03	4.37E-07	1.27E-07	1.49E-03	4.71E-07	1.37E-07	2.34E-03	7.38E-07	2.15E-07
4848	485363.09, 3861877.25	1.38E-03	4.37E-07	1.27E-07	1.49E-03	4.71E-07	1.37E-07	2.34E-03	7.37E-07	2.14E-07
4849	485863.09, 3861877.25	1.37E-03	4.31E-07	1.25E-07	1.47E-03	4.65E-07	1.35E-07	2.30E-03	7.26E-07	2.11E-07
4850	486363.09, 3861877.25	1.36E-03	4.28E-07	1.24E-07	1.46E-03	4.61E-07	1.34E-07	2.28E-03	7.19E-07	2.09E-07
4851	486863.09, 3861877.25	1.34E-03	4.23E-07	1.23E-07	1.44E-03	4.55E-07	1.32E-07	2.25E-03	7.11E-07	2.07E-07
4852	487363.09, 3861877.25	1.33E-03	4.20E-07	1.22E-07	1.43E-03	4.52E-07	1.32E-07	2.24E-03	7.07E-07	2.06E-07
4853	487863.09, 3861877.25	1.33E-03	4.19E-07	1.22E-07	1.43E-03	4.52E-07	1.31E-07	2.24E-03	7.07E-07	2.06E-07
4854	488363.09, 3861877.25	1.33E-03	4.19E-07	1.22E-07	1.43E-03	4.52E-07	1.31E-07	2.24E-03	7.08E-07	2.06E-07
4855	488863.09, 3861877.25	1.34E-03	4.24E-07	1.23E-07	1.45E-03	4.57E-07	1.33E-07	2.27E-03	7.17E-07	2.09E-07
4856	489363.09, 3861877.25	1.35E-03	4.26E-07	1.24E-07	1.46E-03	4.60E-07	1.34E-07	2.29E-03	7.23E-07	2.10E-07
4857	489863.09, 3861877.25	1.37E-03	4.33E-07	1.26E-07	1.48E-03	4.67E-07	1.36E-07	2.33E-03	7.36E-07	2.14E-07
4858	490363.09, 3861877.25	1.38E-03	4.35E-07	1.27E-07	1.49E-03	4.69E-07	1.36E-07	2.35E-03	7.40E-07	2.15E-07
4859	490863.09, 3861877.25	1.40E-03	4.43E-07	1.29E-07	1.51E-03	4.78E-07	1.39E-07	2.39E-03	7.55E-07	2.20E-07
4860	491363.09, 3861877.25	1.43E-03	4.51E-07	1.31E-07	1.54E-03	4.86E-07	1.41E-07	2.44E-03	7.70E-07	2.24E-07
4861	491863.09, 3861877.25	1.40E-03	4.41E-07	1.28E-07	1.51E-03	4.76E-07	1.39E-07	2.39E-03	7.55E-07	2.19E-07
4862	492363.09, 3861877.25	1.32E-03	4.17E-07	1.21E-07	1.43E-03	4.50E-07	1.31E-07	2.26E-03	7.13E-07	2.07E-07
4863	492863.09, 3861877.25	1.28E-03	4.04E-07	1.18E-07	1.38E-03	4.36E-07	1.27E-07	2.19E-03	6.92E-07	2.01E-07
4864	493363.09, 3861877.25	1.28E-03	4.03E-07	1.17E-07	1.38E-03	4.35E-07	1.26E-07	2.18E-03	6.90E-07	2.01E-07
4865	493863.09, 3861877.25	1.30E-03	4.10E-07	1.19E-07	1.40E-03	4.42E-07	1.29E-07	2.22E-03	7.01E-07	2.04E-07
4866	494363.09, 3861877.25	1.33E-03	4.21E-07	1.22E-07	1.44E-03	4.54E-07	1.32E-07	2.29E-03	7.21E-07	2.10E-07
4867	494863.09, 3861877.25	1.37E-03	4.33E-07	1.26E-07	1.48E-03	4.67E-07	1.36E-07	2.35E-03	7.43E-07	2.16E-07
4868	495363.09, 3861877.25	1.38E-03	4.37E-07	1.27E-07	1.49E-03	4.72E-07	1.37E-07	2.38E-03	7.51E-07	2.18E-07
4869	495863.09, 3861877.25	1.38E-03	4.35E-07	1.26E-07	1.49E-03	4.69E-07	1.37E-07	2.37E-03	7.48E-07	2.18E-07
4870	496363.09, 3861877.25	1.36E-03	4.30E-07	1.25E-07	1.47E-03	4.64E-07	1.35E-07	2.35E-03	7.41E-07	2.15E-07
4871	496863.09, 3861877.25	1.40E-03	4.43E-07	1.29E-07	1.52E-03	4.78E-07	1.39E-07	2.42E-03	7.63E-07	2.22E-07
4872	497363.09, 3861877.25	1.34E-03	4.22E-07	1.23E-07	1.44E-03	4.56E-07	1.33E-07	2.31E-03	7.28E-07	2.12E-07
4873	497863.09, 3861877.25	1.30E-03	4.09E-07	1.19E-07	1.40E-03	4.42E-07	1.28E-07	2.23E-03	7.05E-07	2.05E-07
4874	498363.09, 3861877.25	1.26E-03	3.99E-07	1.16E-07	1.37E-03	4.31E-07	1.25E-07	2.18E-03	6.89E-07	2.00E-07
4875	471363.09, 3862377.25	4.16E-04	1.31E-07	3.82E-08	4.49E-04	1.42E-07	4.12E-08	7.10E-04	2.24E-07	6.52E-08
4876	471863.09, 3862377.25	4.32E-04	1.36E-07	3.97E-08	4.66E-04	1.47E-07	4.28E-08	7.38E-04	2.33E-07	6.78E-08

4877	472363.09, 3862377.25	4.51E-04	1.42E-07	4.14E-08	4.86E-04	1.53E-07	4.46E-08	7.70E-04	2.43E-07	7.06E-08
4878	472863.09, 3862377.25	4.70E-04	1.48E-07	4.31E-08	5.07E-04	1.60E-07	4.65E-08	8.02E-04	2.53E-07	7.36E-08
4879	473363.09, 3862377.25	4.89E-04	1.54E-07	4.49E-08	5.28E-04	1.67E-07	4.84E-08	8.35E-04	2.63E-07	7.66E-08
4880	473863.09, 3862377.25	5.09E-04	1.61E-07	4.67E-08	5.49E-04	1.73E-07	5.04E-08	8.68E-04	2.74E-07	7.97E-08
4881	474363.09, 3862377.25	5.28E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	9.00E-04	2.84E-07	8.27E-08
4882	474863.09, 3862377.25	5.46E-04	1.72E-07	5.01E-08	5.89E-04	1.86E-07	5.41E-08	9.31E-04	2.94E-07	8.55E-08
4883	475363.09, 3862377.25	5.71E-04	1.80E-07	5.25E-08	6.16E-04	1.95E-07	5.66E-08	9.74E-04	3.07E-07	8.94E-08
4884	475863.09, 3862377.25	5.97E-04	1.89E-07	5.49E-08	6.44E-04	2.03E-07	5.92E-08	1.02E-03	3.21E-07	9.35E-08
4885	476363.09, 3862377.25	6.23E-04	1.97E-07	5.72E-08	6.72E-04	2.12E-07	6.17E-08	1.06E-03	3.35E-07	9.75E-08
4886	476863.09, 3862377.25	6.48E-04	2.05E-07	5.95E-08	6.99E-04	2.21E-07	6.42E-08	1.11E-03	3.49E-07	1.01E-07
4887	477363.09, 3862377.25	6.65E-04	2.10E-07	6.11E-08	7.17E-04	2.26E-07	6.59E-08	1.13E-03	3.58E-07	1.04E-07
4888	477863.09, 3862377.25	5.96E-04	1.88E-07	5.47E-08	6.43E-04	2.03E-07	5.90E-08	1.02E-03	3.22E-07	9.35E-08
4889	478363.09, 3862377.25	4.83E-04	1.52E-07	4.43E-08	5.21E-04	1.64E-07	4.78E-08	8.25E-04	2.60E-07	7.57E-08
4890	478863.09, 3862377.25	5.19E-04	1.64E-07	4.76E-08	5.60E-04	1.77E-07	5.14E-08	8.87E-04	2.80E-07	8.14E-08
4891	479363.09, 3862377.25	6.28E-04	1.98E-07	5.77E-08	6.78E-04	2.14E-07	6.23E-08	1.08E-03	3.39E-07	9.87E-08
4892	479863.09, 3862377.25	8.40E-04	2.65E-07	7.71E-08	9.06E-04	2.86E-07	8.32E-08	1.43E-03	4.51E-07	1.31E-07
4893	480363.09, 3862377.25	9.05E-04	2.86E-07	8.31E-08	9.75E-04	3.08E-07	8.96E-08	1.54E-03	4.85E-07	1.41E-07
4894	480863.09, 3862377.25	9.46E-04	2.99E-07	8.68E-08	1.02E-03	3.22E-07	9.36E-08	1.60E-03	5.06E-07	1.47E-07
4895	481363.09, 3862377.25	9.89E-04	3.12E-07	9.08E-08	1.07E-03	3.37E-07	9.79E-08	1.68E-03	5.29E-07	1.54E-07
4896	481863.09, 3862377.25	1.03E-03	3.26E-07	9.48E-08	1.11E-03	3.51E-07	1.02E-07	1.75E-03	5.52E-07	1.61E-07
4897	482363.09, 3862377.25	1.08E-03	3.40E-07	9.89E-08	1.16E-03	3.67E-07	1.07E-07	1.82E-03	5.76E-07	1.67E-07
4898	482863.09, 3862377.25	1.12E-03	3.53E-07	1.03E-07	1.21E-03	3.80E-07	1.11E-07	1.89E-03	5.97E-07	1.74E-07
4899	483363.09, 3862377.25	1.15E-03	3.63E-07	1.06E-07	1.24E-03	3.92E-07	1.14E-07	1.95E-03	6.15E-07	1.79E-07
4900	483863.09, 3862377.25	1.17E-03	3.69E-07	1.07E-07	1.26E-03	3.97E-07	1.15E-07	1.97E-03	6.22E-07	1.81E-07
4901	484363.09, 3862377.25	1.19E-03	3.75E-07	1.09E-07	1.28E-03	4.04E-07	1.17E-07	2.00E-03	6.32E-07	1.84E-07
4902	484863.09, 3862377.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.03E-07	1.17E-07	2.00E-03	6.30E-07	1.83E-07
4903	485363.09, 3862377.25	1.18E-03	3.72E-07	1.08E-07	1.27E-03	4.01E-07	1.17E-07	1.99E-03	6.27E-07	1.82E-07
4904	485863.09, 3862377.25	1.18E-03	3.71E-07	1.08E-07	1.27E-03	4.00E-07	1.16E-07	1.98E-03	6.25E-07	1.82E-07
4905	486363.09, 3862377.25	1.16E-03	3.66E-07	1.06E-07	1.25E-03	3.94E-07	1.15E-07	1.95E-03	6.15E-07	1.79E-07
4906	486863.09, 3862377.25	1.15E-03	3.61E-07	1.05E-07	1.23E-03	3.89E-07	1.13E-07	1.92E-03	6.07E-07	1.77E-07
4907	487363.09, 3862377.25	1.13E-03	3.58E-07	1.04E-07	1.22E-03	3.85E-07	1.12E-07	1.90E-03	6.01E-07	1.75E-07
4908	487863.09, 3862377.25	1.13E-03	3.58E-07	1.04E-07	1.22E-03	3.85E-07	1.12E-07	1.91E-03	6.03E-07	1.75E-07
4909	488363.09, 3862377.25	1.14E-03	3.58E-07	1.04E-07	1.22E-03	3.86E-07	1.12E-07	1.92E-03	6.05E-07	1.76E-07
4910	488863.09, 3862377.25	1.15E-03	3.61E-07	1.05E-07	1.23E-03	3.90E-07	1.13E-07	1.94E-03	6.12E-07	1.78E-07
4911	489363.09, 3862377.25	1.16E-03	3.65E-07	1.06E-07	1.25E-03	3.93E-07	1.14E-07	1.96E-03	6.18E-07	1.80E-07
4912	489863.09, 3862377.25	1.17E-03	3.69E-07	1.07E-07	1.26E-03	3.98E-07	1.16E-07	1.99E-03	6.27E-07	1.82E-07
4913	490363.09, 3862377.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.03E-07	1.17E-07	2.01E-03	6.36E-07	1.85E-07
4914	490863.09, 3862377.25	1.19E-03	3.76E-07	1.09E-07	1.28E-03	4.05E-07	1.18E-07	2.03E-03	6.40E-07	1.86E-07
4915	491363.09, 3862377.25	1.21E-03	3.82E-07	1.11E-07	1.31E-03	4.12E-07	1.20E-07	2.06E-03	6.52E-07	1.90E-07
4916	491863.09, 3862377.25	1.22E-03	3.86E-07	1.12E-07	1.32E-03	4.16E-07	1.21E-07	2.09E-03	6.59E-07	1.92E-07
4917	492363.09, 3862377.25	1.20E-03	3.79E-07	1.10E-07	1.30E-03	4.09E-07	1.19E-07	2.06E-03	6.49E-07	1.89E-07
4918	492863.09, 3862377.25	1.15E-03	3.62E-07	1.05E-07	1.24E-03	3.91E-07	1.14E-07	1.96E-03	6.19E-07	1.80E-07
4919	493363.09, 3862377.25	1.11E-03	3.49E-07	1.02E-07	1.19E-03	3.77E-07	1.10E-07	1.89E-03	5.97E-07	1.74E-07
4920	493863.09, 3862377.25	1.09E-03	3.44E-07	1.00E-07	1.18E-03	3.71E-07	1.08E-07	1.87E-03	5.89E-07	1.71E-07
4921	494363.09, 3862377.25	1.09E-03	3.46E-07	1.01E-07	1.18E-03	3.73E-07	1.08E-07	1.88E-03	5.92E-07	1.72E-07
4922	494863.09, 3862377.25	1.12E-03	3.53E-07	1.03E-07	1.21E-03	3.81E-07	1.11E-07	1.92E-03	6.06E-07	1.76E-07
4923	495363.09, 3862377.25	1.14E-03	3.61E-07	1.05E-07	1.23E-03	3.89E-07	1.13E-07	1.96E-03	6.19E-07	1.80E-07
4924	495863.09, 3862377.25	1.16E-03	3.68E-07	1.07E-07	1.26E-03	3.97E-07	1.15E-07	2.00E-03	6.32E-07	1.84E-07
4925	496363.09, 3862377.25	1.17E-03	3.70E-07	1.08E-07	1.27E-03	3.99E-07	1.16E-07	2.02E-03	6.36E-07	1.85E-07
4926	496863.09, 3862377.25	1.18E-03	3.72E-07	1.08E-07	1.27E-03	4.02E-07	1.17E-07	2.03E-03	6.40E-07	1.86E-07
4927	497363.09, 3862377.25	1.16E-03	3.65E-07	1.06E-07	1.25E-03	3.94E-07	1.15E-07	1.99E-03	6.28E-07	1.83E-07
4928	497863.09, 3862377.25	1.13E-03	3.57E-07	1.04E-07	1.22E-03	3.86E-07	1.12E-07	1.95E-03	6.16E-07	1.79E-07
4929	498363.09, 3862377.25	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.76E-07	1.09E-07	1.90E-03	6.01E-07	1.75E-07
4930	471363.09, 3862877.25	4.03E-04	1.27E-07	3.70E-08	4.35E-04	1.37E-07	4.00E-08	6.89E-04	2.17E-07	6.33E-08
4931	471863.09, 3862877.25	4.19E-04	1.32E-07	3.84E-08	4.52E-04	1.43E-07	4.15E-08	7.15E-04	2.26E-07	6.56E-08
4932	472363.09, 3862877.25	4.35E-04	1.37E-07	3.99E-08	4.69E-04	1.48E-07	4.30E-08	7.41E-04	2.34E-07	6.81E-08
4933	472863.09, 3862877.25	4.51E-04	1.42E-07	4.14E-08	4.86E-04	1.53E-07	4.46E-08	7.69E-04	2.43E-07	7.06E-08
4934	473363.09, 3862877.25	4.69E-04	1.48E-07	4.30E-08	5.05E-04	1.60E-07	4.64E-08	7.99E-04	2.52E-07	7.34E-08
4935	473863.09, 3862877.25	4.85E-04	1.53E-07	4.45E-08	5.23E-04	1.65E-07	4.80E-08	8.27E-04	2.61E-07	7.59E-08
4936	474363.09, 3862877.25	5.00E-04	1.58E-07	4.59E-08	5.40E-04	1.70E-07	4.96E-08	8.53E-04	2.69E-07	7.83E-08
4937	474863.09, 3862877.25	5.18E-04	1.64E-07	4.76E-08	5.59E-04	1.76E-07	5.13E-08	8.83E-04	2.79E-07	8.10E-08

4938	475363.09, 3862877.25	5.41E-04	1.71E-07	4.97E-08	5.84E-04	1.84E-07	5.36E-08	9.22E-04	2.91E-07	8.47E-08
4939	475863.09, 3862877.25	5.63E-04	1.78E-07	5.17E-08	6.08E-04	1.92E-07	5.58E-08	9.60E-04	3.03E-07	8.82E-08
4940	476363.09, 3862877.25	5.86E-04	1.85E-07	5.38E-08	6.33E-04	2.00E-07	5.81E-08	9.99E-04	3.15E-07	9.17E-08
4941	476863.09, 3862877.25	6.07E-04	1.92E-07	5.57E-08	6.55E-04	2.07E-07	6.01E-08	1.03E-03	3.26E-07	9.48E-08
4942	477363.09, 3862877.25	6.29E-04	1.98E-07	5.77E-08	6.78E-04	2.14E-07	6.22E-08	1.07E-03	3.38E-07	9.82E-08
4943	477863.09, 3862877.25	6.27E-04	1.98E-07	5.76E-08	6.76E-04	2.13E-07	6.21E-08	1.07E-03	3.38E-07	9.82E-08
4944	478363.09, 3862877.25	5.53E-04	1.74E-07	5.08E-08	5.97E-04	1.88E-07	5.48E-08	9.46E-04	2.98E-07	8.68E-08
4945	478863.09, 3862877.25	5.83E-04	1.84E-07	5.35E-08	6.29E-04	1.99E-07	5.77E-08	9.97E-04	3.15E-07	9.15E-08
4946	479363.09, 3862877.25	6.25E-04	1.97E-07	5.74E-08	6.75E-04	2.13E-07	6.19E-08	1.07E-03	3.37E-07	9.80E-08
4947	479863.09, 3862877.25	7.88E-04	2.49E-07	7.24E-08	8.50E-04	2.68E-07	7.80E-08	1.34E-03	4.22E-07	1.23E-07
4948	480363.09, 3862877.25	8.22E-04	2.60E-07	7.55E-08	8.86E-04	2.80E-07	8.14E-08	1.39E-03	4.40E-07	1.28E-07
4949	480863.09, 3862877.25	8.60E-04	2.71E-07	7.89E-08	9.27E-04	2.92E-07	8.51E-08	1.46E-03	4.60E-07	1.34E-07
4950	481363.09, 3862877.25	8.95E-04	2.82E-07	8.21E-08	9.64E-04	3.04E-07	8.85E-08	1.51E-03	4.78E-07	1.39E-07
4951	481863.09, 3862877.25	9.36E-04	2.95E-07	8.59E-08	1.01E-03	3.18E-07	9.26E-08	1.59E-03	5.00E-07	1.46E-07
4952	482363.09, 3862877.25	9.65E-04	3.05E-07	8.86E-08	1.04E-03	3.28E-07	9.55E-08	1.63E-03	5.15E-07	1.50E-07
4953	482863.09, 3862877.25	9.97E-04	3.15E-07	9.15E-08	1.07E-03	3.39E-07	9.86E-08	1.69E-03	5.32E-07	1.55E-07
4954	483363.09, 3862877.25	1.02E-03	3.22E-07	9.37E-08	1.10E-03	3.47E-07	1.01E-07	1.72E-03	5.44E-07	1.58E-07
4955	483863.09, 3862877.25	1.03E-03	3.25E-07	9.47E-08	1.11E-03	3.51E-07	1.02E-07	1.74E-03	5.49E-07	1.60E-07
4956	484363.09, 3862877.25	1.04E-03	3.27E-07	9.52E-08	1.12E-03	3.52E-07	1.03E-07	1.75E-03	5.52E-07	1.60E-07
4957	484863.09, 3862877.25	1.03E-03	3.24E-07	9.43E-08	1.11E-03	3.49E-07	1.02E-07	1.73E-03	5.46E-07	1.59E-07
4958	485363.09, 3862877.25	1.03E-03	3.24E-07	9.41E-08	1.10E-03	3.49E-07	1.01E-07	1.73E-03	5.45E-07	1.58E-07
4959	485863.09, 3862877.25	1.02E-03	3.21E-07	9.33E-08	1.09E-03	3.46E-07	1.01E-07	1.71E-03	5.40E-07	1.57E-07
4960	486363.09, 3862877.25	1.01E-03	3.20E-07	9.30E-08	1.09E-03	3.44E-07	1.00E-07	1.70E-03	5.37E-07	1.56E-07
4961	486863.09, 3862877.25	9.94E-04	3.14E-07	9.12E-08	1.07E-03	3.38E-07	9.82E-08	1.67E-03	5.27E-07	1.53E-07
4962	487363.09, 3862877.25	9.83E-04	3.10E-07	9.02E-08	1.06E-03	3.34E-07	9.71E-08	1.65E-03	5.21E-07	1.52E-07
4963	487863.09, 3862877.25	9.81E-04	3.10E-07	9.01E-08	1.06E-03	3.33E-07	9.70E-08	1.65E-03	5.21E-07	1.52E-07
4964	488363.09, 3862877.25	9.86E-04	3.11E-07	9.05E-08	1.06E-03	3.35E-07	9.75E-08	1.66E-03	5.25E-07	1.53E-07
4965	488863.09, 3862877.25	9.92E-04	3.13E-07	9.11E-08	1.07E-03	3.38E-07	9.82E-08	1.68E-03	5.30E-07	1.54E-07
4966	489363.09, 3862877.25	9.97E-04	3.15E-07	9.15E-08	1.07E-03	3.39E-07	9.86E-08	1.69E-03	5.33E-07	1.55E-07
4967	489863.09, 3862877.25	1.01E-03	3.18E-07	9.25E-08	1.09E-03	3.43E-07	9.97E-08	1.71E-03	5.39E-07	1.57E-07
4968	490363.09, 3862877.25	1.02E-03	3.22E-07	9.37E-08	1.10E-03	3.47E-07	1.01E-07	1.73E-03	5.47E-07	1.59E-07
4969	490863.09, 3862877.25	1.03E-03	3.24E-07	9.43E-08	1.11E-03	3.50E-07	1.02E-07	1.75E-03	5.52E-07	1.60E-07
4970	491363.09, 3862877.25	1.04E-03	3.29E-07	9.57E-08	1.12E-03	3.55E-07	1.03E-07	1.78E-03	5.60E-07	1.63E-07
4971	491863.09, 3862877.25	1.05E-03	3.31E-07	9.63E-08	1.13E-03	3.57E-07	1.04E-07	1.79E-03	5.65E-07	1.64E-07
4972	492363.09, 3862877.25	1.07E-03	3.37E-07	9.80E-08	1.15E-03	3.63E-07	1.06E-07	1.82E-03	5.76E-07	1.67E-07
4973	492863.09, 3862877.25	1.05E-03	3.32E-07	9.65E-08	1.13E-03	3.58E-07	1.04E-07	1.80E-03	5.68E-07	1.65E-07
4974	493363.09, 3862877.25	1.01E-03	3.19E-07	9.27E-08	1.09E-03	3.44E-07	1.00E-07	1.73E-03	5.45E-07	1.59E-07
4975	493863.09, 3862877.25	9.73E-04	3.07E-07	8.94E-08	1.05E-03	3.32E-07	9.64E-08	1.67E-03	5.26E-07	1.53E-07
4976	494363.09, 3862877.25	9.54E-04	3.01E-07	8.76E-08	1.03E-03	3.25E-07	9.45E-08	1.63E-03	5.15E-07	1.50E-07
4977	494863.09, 3862877.25	9.44E-04	2.98E-07	8.66E-08	1.02E-03	3.21E-07	9.35E-08	1.62E-03	5.10E-07	1.48E-07
4978	495363.09, 3862877.25	9.52E-04	3.00E-07	8.74E-08	1.03E-03	3.24E-07	9.43E-08	1.63E-03	5.15E-07	1.50E-07
4979	495863.09, 3862877.25	9.73E-04	3.07E-07	8.94E-08	1.05E-03	3.32E-07	9.65E-08	1.67E-03	5.27E-07	1.53E-07
4980	496363.09, 3862877.25	9.98E-04	3.15E-07	9.16E-08	1.08E-03	3.40E-07	9.89E-08	1.72E-03	5.41E-07	1.57E-07
4981	496863.09, 3862877.25	1.02E-03	3.20E-07	9.32E-08	1.10E-03	3.46E-07	1.01E-07	1.75E-03	5.51E-07	1.60E-07
4982	497363.09, 3862877.25	1.02E-03	3.21E-07	9.33E-08	1.10E-03	3.47E-07	1.01E-07	1.75E-03	5.53E-07	1.61E-07
4983	497863.09, 3862877.25	1.01E-03	3.19E-07	9.27E-08	1.09E-03	3.44E-07	1.00E-07	1.74E-03	5.49E-07	1.60E-07
4984	498363.09, 3862877.25	9.99E-04	3.15E-07	9.17E-08	1.08E-03	3.41E-07	9.91E-08	1.72E-03	5.44E-07	1.58E-07
4985	471363.09, 3863377.25	3.89E-04	1.23E-07	3.57E-08	4.20E-04	1.33E-07	3.86E-08	6.65E-04	2.10E-07	6.10E-08
4986	471863.09, 3863377.25	4.03E-04	1.27E-07	3.70E-08	4.34E-04	1.37E-07	3.99E-08	6.87E-04	2.17E-07	6.31E-08
4987	472363.09, 3863377.25	4.16E-04	1.31E-07	3.82E-08	4.49E-04	1.42E-07	4.12E-08	7.10E-04	2.24E-07	6.52E-08
4988	472863.09, 3863377.25	4.30E-04	1.36E-07	3.95E-08	4.64E-04	1.46E-07	4.26E-08	7.33E-04	2.31E-07	6.73E-08
4989	473363.09, 3863377.25	4.44E-04	1.40E-07	4.08E-08	4.79E-04	1.51E-07	4.40E-08	7.57E-04	2.39E-07	6.95E-08
4990	473863.09, 3863377.25	4.59E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.54E-08	7.81E-04	2.47E-07	7.17E-08
4991	474363.09, 3863377.25	4.74E-04	1.50E-07	4.35E-08	5.11E-04	1.61E-07	4.69E-08	8.07E-04	2.55E-07	7.41E-08
4992	474863.09, 3863377.25	4.91E-04	1.55E-07	4.50E-08	5.29E-04	1.67E-07	4.86E-08	8.35E-04	2.64E-07	7.67E-08
4993	475363.09, 3863377.25	5.09E-04	1.61E-07	4.67E-08	5.49E-04	1.73E-07	5.04E-08	8.66E-04	2.73E-07	7.95E-08
4994	475863.09, 3863377.25	5.28E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	8.99E-04	2.84E-07	8.26E-08
4995	476363.09, 3863377.25	5.48E-04	1.73E-07	5.03E-08	5.91E-04	1.87E-07	5.43E-08	9.32E-04	2.94E-07	8.56E-08
4996	476863.09, 3863377.25	5.69E-04	1.80E-07	5.23E-08	6.14E-04	1.94E-07	5.64E-08	9.68E-04	3.05E-07	8.88E-08
4997	477363.09, 3863377.25	5.91E-04	1.86E-07	5.42E-08	6.37E-04	2.01E-07	5.85E-08	1.00E-03	3.17E-07	9.22E-08
4998	477863.09, 3863377.25	6.06E-04	1.91E-07	5.56E-08	6.53E-04	2.06E-07	6.00E-08	1.03E-03	3.25E-07	9.46E-08

4999	478363.09, 3863377.25	6.02E-04	1.90E-07	5.53E-08	6.50E-04	2.05E-07	5.96E-08	1.03E-03	3.24E-07	9.42E-08
5000	478863.09, 3863377.25	6.39E-04	2.02E-07	5.87E-08	6.90E-04	2.18E-07	6.33E-08	1.09E-03	3.43E-07	9.99E-08
5001	479363.09, 3863377.25	6.89E-04	2.17E-07	6.32E-08	7.43E-04	2.34E-07	6.82E-08	1.17E-03	3.69E-07	1.07E-07
5002	479863.09, 3863377.25	7.24E-04	2.28E-07	6.64E-08	7.80E-04	2.46E-07	7.16E-08	1.23E-03	3.87E-07	1.12E-07
5003	480363.09, 3863377.25	7.52E-04	2.37E-07	6.90E-08	8.11E-04	2.56E-07	7.44E-08	1.27E-03	4.02E-07	1.17E-07
5004	480863.09, 3863377.25	7.85E-04	2.48E-07	7.20E-08	8.46E-04	2.67E-07	7.76E-08	1.33E-03	4.19E-07	1.22E-07
5005	481363.09, 3863377.25	8.12E-04	2.56E-07	7.46E-08	8.75E-04	2.76E-07	8.04E-08	1.38E-03	4.34E-07	1.26E-07
5006	481863.09, 3863377.25	8.42E-04	2.66E-07	7.73E-08	9.07E-04	2.86E-07	8.33E-08	1.42E-03	4.49E-07	1.31E-07
5007	482363.09, 3863377.25	8.69E-04	2.74E-07	7.98E-08	9.36E-04	2.96E-07	8.60E-08	1.47E-03	4.64E-07	1.35E-07
5008	482863.09, 3863377.25	8.91E-04	2.81E-07	8.18E-08	9.60E-04	3.03E-07	8.82E-08	1.51E-03	4.76E-07	1.38E-07
5009	483363.09, 3863377.25	9.07E-04	2.86E-07	8.33E-08	9.78E-04	3.09E-07	8.97E-08	1.53E-03	4.84E-07	1.41E-07
5010	483863.09, 3863377.25	9.12E-04	2.88E-07	8.37E-08	9.83E-04	3.10E-07	9.02E-08	1.54E-03	4.86E-07	1.41E-07
5011	484363.09, 3863377.25	9.08E-04	2.87E-07	8.34E-08	9.79E-04	3.09E-07	8.98E-08	1.53E-03	4.83E-07	1.41E-07
5012	484863.09, 3863377.25	9.06E-04	2.86E-07	8.32E-08	9.76E-04	3.08E-07	8.96E-08	1.52E-03	4.81E-07	1.40E-07
5013	485363.09, 3863377.25	8.97E-04	2.83E-07	8.23E-08	9.66E-04	3.05E-07	8.87E-08	1.51E-03	4.76E-07	1.38E-07
5014	485863.09, 3863377.25	8.91E-04	2.81E-07	8.18E-08	9.60E-04	3.03E-07	8.81E-08	1.50E-03	4.73E-07	1.37E-07
5015	486363.09, 3863377.25	8.87E-04	2.80E-07	8.15E-08	9.56E-04	3.02E-07	8.77E-08	1.49E-03	4.71E-07	1.37E-07
5016	486863.09, 3863377.25	8.77E-04	2.77E-07	8.05E-08	9.44E-04	2.98E-07	8.67E-08	1.47E-03	4.65E-07	1.35E-07
5017	487363.09, 3863377.25	8.66E-04	2.73E-07	7.95E-08	9.32E-04	2.94E-07	8.56E-08	1.45E-03	4.59E-07	1.33E-07
5018	487863.09, 3863377.25	8.61E-04	2.72E-07	7.90E-08	9.27E-04	2.93E-07	8.51E-08	1.45E-03	4.57E-07	1.33E-07
5019	488363.09, 3863377.25	8.63E-04	2.72E-07	7.93E-08	9.30E-04	2.94E-07	8.54E-08	1.46E-03	4.59E-07	1.34E-07
5020	488863.09, 3863377.25	8.70E-04	2.75E-07	7.99E-08	9.38E-04	2.96E-07	8.61E-08	1.47E-03	4.64E-07	1.35E-07
5021	489363.09, 3863377.25	8.72E-04	2.75E-07	8.00E-08	9.39E-04	2.97E-07	8.62E-08	1.48E-03	4.66E-07	1.36E-07
5022	489863.09, 3863377.25	8.76E-04	2.77E-07	8.05E-08	9.45E-04	2.98E-07	8.67E-08	1.49E-03	4.69E-07	1.36E-07
5023	490363.09, 3863377.25	8.88E-04	2.80E-07	8.15E-08	9.57E-04	3.02E-07	8.79E-08	1.51E-03	4.76E-07	1.38E-07
5024	490863.09, 3863377.25	9.02E-04	2.85E-07	8.28E-08	9.72E-04	3.07E-07	8.93E-08	1.53E-03	4.84E-07	1.41E-07
5025	491363.09, 3863377.25	9.02E-04	2.85E-07	8.28E-08	9.73E-04	3.07E-07	8.93E-08	1.54E-03	4.85E-07	1.41E-07
5026	491863.09, 3863377.25	9.07E-04	2.86E-07	8.33E-08	9.78E-04	3.09E-07	8.98E-08	1.55E-03	4.88E-07	1.42E-07
5027	492363.09, 3863377.25	9.32E-04	2.94E-07	8.56E-08	1.01E-03	3.17E-07	9.23E-08	1.59E-03	5.02E-07	1.46E-07
5028	492863.09, 3863377.25	9.65E-04	3.05E-07	8.86E-08	1.04E-03	3.29E-07	9.56E-08	1.65E-03	5.21E-07	1.52E-07
5029	493363.09, 3863377.25	9.65E-04	3.05E-07	8.86E-08	1.04E-03	3.29E-07	9.57E-08	1.65E-03	5.22E-07	1.52E-07
5030	493863.09, 3863377.25	9.26E-04	2.92E-07	8.50E-08	9.99E-04	3.15E-07	9.17E-08	1.59E-03	5.00E-07	1.46E-07
5031	494363.09, 3863377.25	8.80E-04	2.78E-07	8.08E-08	9.50E-04	3.00E-07	8.72E-08	1.51E-03	4.75E-07	1.38E-07
5032	494863.09, 3863377.25	8.60E-04	2.72E-07	7.90E-08	9.29E-04	2.93E-07	8.53E-08	1.47E-03	4.65E-07	1.35E-07
5033	495363.09, 3863377.25	8.59E-04	2.71E-07	7.89E-08	9.27E-04	2.93E-07	8.51E-08	1.47E-03	4.65E-07	1.35E-07
5034	495863.09, 3863377.25	8.65E-04	2.73E-07	7.94E-08	9.34E-04	2.95E-07	8.57E-08	1.48E-03	4.68E-07	1.36E-07
5035	496363.09, 3863377.25	8.54E-04	2.70E-07	7.84E-08	9.22E-04	2.91E-07	8.46E-08	1.47E-03	4.63E-07	1.35E-07
5036	496863.09, 3863377.25	8.57E-04	2.71E-07	7.87E-08	9.26E-04	2.92E-07	8.50E-08	1.47E-03	4.65E-07	1.35E-07
5037	497363.09, 3863377.25	8.77E-04	2.77E-07	8.05E-08	9.47E-04	2.99E-07	8.70E-08	1.51E-03	4.76E-07	1.38E-07
5038	497863.09, 3863377.25	8.92E-04	2.82E-07	8.19E-08	9.64E-04	3.04E-07	8.85E-08	1.54E-03	4.85E-07	1.41E-07
5039	498363.09, 3863377.25	8.95E-04	2.83E-07	8.22E-08	9.67E-04	3.05E-07	8.88E-08	1.54E-03	4.87E-07	1.42E-07
5040	471363.09, 3863877.25	3.73E-04	1.18E-07	3.42E-08	4.02E-04	1.27E-07	3.69E-08	6.36E-04	2.01E-07	5.84E-08
5041	471863.09, 3863877.25	3.84E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.55E-04	2.07E-07	6.01E-08
5042	472363.09, 3863877.25	3.96E-04	1.25E-07	3.63E-08	4.27E-04	1.35E-07	3.92E-08	6.75E-04	2.13E-07	6.20E-08
5043	472863.09, 3863877.25	4.08E-04	1.29E-07	3.74E-08	4.40E-04	1.39E-07	4.04E-08	6.95E-04	2.19E-07	6.38E-08
5044	473363.09, 3863877.25	4.20E-04	1.32E-07	3.85E-08	4.53E-04	1.43E-07	4.16E-08	7.14E-04	2.26E-07	6.56E-08
5045	473863.09, 3863877.25	4.33E-04	1.37E-07	3.97E-08	4.66E-04	1.47E-07	4.28E-08	7.36E-04	2.32E-07	6.76E-08
5046	474363.09, 3863877.25	4.46E-04	1.41E-07	4.10E-08	4.81E-04	1.52E-07	4.42E-08	7.59E-04	2.40E-07	6.97E-08
5047	474863.09, 3863877.25	4.60E-04	1.45E-07	4.23E-08	4.96E-04	1.57E-07	4.56E-08	7.83E-04	2.47E-07	7.19E-08
5048	475363.09, 3863877.25	4.77E-04	1.51E-07	4.38E-08	5.14E-04	1.62E-07	4.72E-08	8.11E-04	2.56E-07	7.44E-08
5049	475863.09, 3863877.25	4.93E-04	1.56E-07	4.52E-08	5.31E-04	1.68E-07	4.88E-08	8.37E-04	2.64E-07	7.69E-08
5050	476363.09, 3863877.25	5.10E-04	1.61E-07	4.68E-08	5.50E-04	1.74E-07	5.05E-08	8.66E-04	2.73E-07	7.95E-08
5051	476863.09, 3863877.25	5.29E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	8.97E-04	2.83E-07	8.23E-08
5052	477363.09, 3863877.25	5.49E-04	1.73E-07	5.04E-08	5.92E-04	1.87E-07	5.44E-08	9.32E-04	2.94E-07	8.55E-08
5053	477863.09, 3863877.25	5.71E-04	1.80E-07	5.24E-08	6.15E-04	1.94E-07	5.65E-08	9.69E-04	3.06E-07	8.90E-08
5054	478363.09, 3863877.25	5.82E-04	1.84E-07	5.34E-08	6.27E-04	1.98E-07	5.76E-08	9.88E-04	3.12E-07	9.07E-08
5055	478863.09, 3863877.25	6.21E-04	1.96E-07	5.70E-08	6.70E-04	2.11E-07	6.15E-08	1.05E-03	3.33E-07	9.67E-08
5056	479363.09, 3863877.25	6.46E-04	2.04E-07	5.93E-08	6.96E-04	2.20E-07	6.39E-08	1.09E-03	3.45E-07	1.00E-07
5057	479863.09, 3863877.25	6.67E-04	2.11E-07	6.13E-08	7.19E-04	2.27E-07	6.60E-08	1.13E-03	3.57E-07	1.04E-07
5058	480363.09, 3863877.25	6.91E-04	2.18E-07	6.35E-08	7.45E-04	2.35E-07	6.84E-08	1.17E-03	3.69E-07	1.07E-07
5059	480863.09, 3863877.25	7.18E-04	2.27E-07	6.59E-08	7.74E-04	2.44E-07	7.11E-08	1.22E-03	3.84E-07	1.12E-07

5060	481363.09, 3863877.25	7.42E-04	2.34E-07	6.81E-08	7.99E-04	2.52E-07	7.34E-08	1.26E-03	3.96E-07	1.15E-07
5061	481863.09, 3863877.25	7.64E-04	2.41E-07	7.01E-08	8.23E-04	2.60E-07	7.56E-08	1.29E-03	4.08E-07	1.19E-07
5062	482363.09, 3863877.25	7.87E-04	2.48E-07	7.22E-08	8.48E-04	2.68E-07	7.78E-08	1.33E-03	4.20E-07	1.22E-07
5063	482863.09, 3863877.25	8.02E-04	2.53E-07	7.36E-08	8.64E-04	2.73E-07	7.94E-08	1.36E-03	4.28E-07	1.24E-07
5064	483363.09, 3863877.25	8.10E-04	2.56E-07	7.44E-08	8.73E-04	2.76E-07	8.02E-08	1.37E-03	4.32E-07	1.26E-07
5065	483863.09, 3863877.25	8.12E-04	2.56E-07	7.45E-08	8.75E-04	2.76E-07	8.03E-08	1.37E-03	4.32E-07	1.26E-07
5066	484363.09, 3863877.25	8.06E-04	2.54E-07	7.40E-08	8.68E-04	2.74E-07	7.97E-08	1.36E-03	4.28E-07	1.25E-07
5067	484863.09, 3863877.25	8.01E-04	2.53E-07	7.35E-08	8.62E-04	2.72E-07	7.92E-08	1.35E-03	4.25E-07	1.24E-07
5068	485363.09, 3863877.25	7.94E-04	2.51E-07	7.29E-08	8.55E-04	2.70E-07	7.85E-08	1.33E-03	4.21E-07	1.22E-07
5069	485863.09, 3863877.25	7.93E-04	2.50E-07	7.28E-08	8.53E-04	2.69E-07	7.83E-08	1.33E-03	4.20E-07	1.22E-07
5070	486363.09, 3863877.25	7.86E-04	2.48E-07	7.22E-08	8.46E-04	2.67E-07	7.77E-08	1.32E-03	4.17E-07	1.21E-07
5071	486863.09, 3863877.25	7.77E-04	2.45E-07	7.13E-08	8.36E-04	2.64E-07	7.68E-08	1.30E-03	4.12E-07	1.20E-07
5072	487363.09, 3863877.25	7.69E-04	2.43E-07	7.06E-08	8.27E-04	2.61E-07	7.60E-08	1.29E-03	4.07E-07	1.18E-07
5073	487863.09, 3863877.25	7.63E-04	2.41E-07	7.01E-08	8.22E-04	2.59E-07	7.55E-08	1.28E-03	4.05E-07	1.18E-07
5074	488363.09, 3863877.25	7.65E-04	2.41E-07	7.02E-08	8.24E-04	2.60E-07	7.56E-08	1.29E-03	4.07E-07	1.18E-07
5075	488863.09, 3863877.25	7.71E-04	2.43E-07	7.07E-08	8.30E-04	2.62E-07	7.62E-08	1.30E-03	4.11E-07	1.20E-07
5076	489363.09, 3863877.25	7.73E-04	2.44E-07	7.09E-08	8.33E-04	2.63E-07	7.65E-08	1.31E-03	4.13E-07	1.20E-07
5077	489863.09, 3863877.25	7.75E-04	2.45E-07	7.11E-08	8.35E-04	2.64E-07	7.67E-08	1.31E-03	4.14E-07	1.20E-07
5078	490363.09, 3863877.25	7.82E-04	2.47E-07	7.18E-08	8.43E-04	2.66E-07	7.74E-08	1.33E-03	4.19E-07	1.22E-07
5079	490863.09, 3863877.25	7.93E-04	2.50E-07	7.28E-08	8.55E-04	2.70E-07	7.85E-08	1.35E-03	4.25E-07	1.24E-07
5080	491363.09, 3863877.25	8.00E-04	2.53E-07	7.35E-08	8.63E-04	2.72E-07	7.92E-08	1.36E-03	4.30E-07	1.25E-07
5081	491863.09, 3863877.25	8.20E-04	2.59E-07	7.53E-08	8.85E-04	2.79E-07	8.12E-08	1.40E-03	4.41E-07	1.28E-07
5082	492363.09, 3863877.25	8.37E-04	2.64E-07	7.68E-08	9.03E-04	2.85E-07	8.29E-08	1.43E-03	4.51E-07	1.31E-07
5083	492863.09, 3863877.25	8.43E-04	2.66E-07	7.74E-08	9.09E-04	2.87E-07	8.35E-08	1.44E-03	4.54E-07	1.32E-07
5084	493363.09, 3863877.25	8.75E-04	2.76E-07	8.03E-08	9.44E-04	2.98E-07	8.67E-08	1.50E-03	4.72E-07	1.37E-07
5085	493863.09, 3863877.25	8.67E-04	2.74E-07	7.96E-08	9.35E-04	2.95E-07	8.59E-08	1.48E-03	4.68E-07	1.36E-07
5086	494363.09, 3863877.25	8.32E-04	2.63E-07	7.64E-08	8.98E-04	2.83E-07	8.24E-08	1.43E-03	4.50E-07	1.31E-07
5087	494863.09, 3863877.25	7.94E-04	2.51E-07	7.29E-08	8.57E-04	2.71E-07	7.87E-08	1.36E-03	4.29E-07	1.25E-07
5088	495363.09, 3863877.25	7.72E-04	2.44E-07	7.09E-08	8.33E-04	2.63E-07	7.65E-08	1.32E-03	4.17E-07	1.21E-07
5089	495863.09, 3863877.25	7.64E-04	2.41E-07	7.02E-08	8.25E-04	2.60E-07	7.57E-08	1.31E-03	4.13E-07	1.20E-07
5090	496363.09, 3863877.25	7.57E-04	2.39E-07	6.95E-08	8.17E-04	2.58E-07	7.50E-08	1.30E-03	4.10E-07	1.19E-07
5091	496863.09, 3863877.25	7.55E-04	2.38E-07	6.93E-08	8.15E-04	2.57E-07	7.48E-08	1.30E-03	4.09E-07	1.19E-07
5092	497363.09, 3863877.25	7.60E-04	2.40E-07	6.98E-08	8.21E-04	2.59E-07	7.54E-08	1.31E-03	4.12E-07	1.20E-07
5093	497863.09, 3863877.25	7.75E-04	2.45E-07	7.12E-08	8.37E-04	2.64E-07	7.68E-08	1.33E-03	4.21E-07	1.22E-07
5094	498363.09, 3863877.25	7.87E-04	2.48E-07	7.22E-08	8.50E-04	2.68E-07	7.80E-08	1.35E-03	4.28E-07	1.24E-07
5095	471363.09, 3864377.25	3.56E-04	1.12E-07	3.27E-08	3.84E-04	1.21E-07	3.52E-08	6.06E-04	1.91E-07	5.57E-08
5096	471863.09, 3864377.25	3.66E-04	1.15E-07	3.36E-08	3.94E-04	1.24E-07	3.62E-08	6.23E-04	1.97E-07	5.72E-08
5097	472363.09, 3864377.25	3.76E-04	1.19E-07	3.45E-08	4.05E-04	1.28E-07	3.72E-08	6.40E-04	2.02E-07	5.87E-08
5098	472863.09, 3864377.25	3.86E-04	1.22E-07	3.54E-08	4.16E-04	1.31E-07	3.82E-08	6.57E-04	2.07E-07	6.03E-08
5099	473363.09, 3864377.25	3.96E-04	1.25E-07	3.63E-08	4.27E-04	1.35E-07	3.92E-08	6.74E-04	2.13E-07	6.18E-08
5100	473863.09, 3864377.25	4.07E-04	1.28E-07	3.73E-08	4.39E-04	1.38E-07	4.03E-08	6.92E-04	2.18E-07	6.35E-08
5101	474363.09, 3864377.25	4.19E-04	1.32E-07	3.85E-08	4.52E-04	1.43E-07	4.15E-08	7.13E-04	2.25E-07	6.54E-08
5102	474863.09, 3864377.25	4.32E-04	1.36E-07	3.96E-08	4.65E-04	1.47E-07	4.27E-08	7.33E-04	2.31E-07	6.73E-08
5103	475363.09, 3864377.25	4.46E-04	1.41E-07	4.09E-08	4.80E-04	1.52E-07	4.41E-08	7.56E-04	2.39E-07	6.94E-08
5104	475863.09, 3864377.25	4.59E-04	1.45E-07	4.22E-08	4.95E-04	1.56E-07	4.54E-08	7.79E-04	2.46E-07	7.15E-08
5105	476363.09, 3864377.25	4.75E-04	1.50E-07	4.36E-08	5.12E-04	1.62E-07	4.70E-08	8.05E-04	2.54E-07	7.39E-08
5106	476863.09, 3864377.25	4.93E-04	1.56E-07	4.53E-08	5.31E-04	1.68E-07	4.88E-08	8.35E-04	2.64E-07	7.67E-08
5107	477363.09, 3864377.25	5.12E-04	1.62E-07	4.70E-08	5.52E-04	1.74E-07	5.07E-08	8.68E-04	2.74E-07	7.97E-08
5108	477863.09, 3864377.25	5.34E-04	1.69E-07	4.90E-08	5.75E-04	1.82E-07	5.28E-08	9.04E-04	2.85E-07	8.30E-08
5109	478363.09, 3864377.25	5.56E-04	1.76E-07	5.11E-08	6.00E-04	1.89E-07	5.51E-08	9.43E-04	2.97E-07	8.65E-08
5110	478863.09, 3864377.25	5.78E-04	1.82E-07	5.30E-08	6.23E-04	1.97E-07	5.72E-08	9.79E-04	3.09E-07	8.98E-08
5111	479363.09, 3864377.25	5.96E-04	1.88E-07	5.47E-08	6.42E-04	2.03E-07	5.90E-08	1.01E-03	3.18E-07	9.26E-08
5112	479863.09, 3864377.25	6.16E-04	1.95E-07	5.66E-08	6.64E-04	2.10E-07	6.10E-08	1.04E-03	3.29E-07	9.58E-08
5113	480363.09, 3864377.25	6.39E-04	2.02E-07	5.87E-08	6.89E-04	2.17E-07	6.33E-08	1.08E-03	3.42E-07	9.94E-08
5114	480863.09, 3864377.25	6.58E-04	2.08E-07	6.04E-08	7.10E-04	2.24E-07	6.51E-08	1.11E-03	3.52E-07	1.02E-07
5115	481363.09, 3864377.25	6.78E-04	2.14E-07	6.22E-08	7.30E-04	2.30E-07	6.70E-08	1.15E-03	3.62E-07	1.05E-07
5116	481863.09, 3864377.25	6.96E-04	2.20E-07	6.39E-08	7.50E-04	2.37E-07	6.89E-08	1.18E-03	3.72E-07	1.08E-07
5117	482363.09, 3864377.25	7.13E-04	2.25E-07	6.54E-08	7.68E-04	2.42E-07	7.05E-08	1.20E-03	3.80E-07	1.11E-07
5118	482863.09, 3864377.25	7.24E-04	2.28E-07	6.64E-08	7.80E-04	2.46E-07	7.16E-08	1.22E-03	3.86E-07	1.12E-07
5119	483363.09, 3864377.25	7.27E-04	2.29E-07	6.67E-08	7.83E-04	2.47E-07	7.19E-08	1.23E-03	3.87E-07	1.13E-07
5120	483863.09, 3864377.25	7.25E-04	2.29E-07	6.66E-08	7.81E-04	2.46E-07	7.17E-08	1.22E-03	3.85E-07	1.12E-07

5121	484363.09, 3864377.25	7.20E-04	2.27E-07	6.61E-08	7.76E-04	2.45E-07	7.12E-08	1.21E-03	3.82E-07	1.11E-07
5122	484863.09, 3864377.25	7.12E-04	2.25E-07	6.54E-08	7.67E-04	2.42E-07	7.04E-08	1.20E-03	3.78E-07	1.10E-07
5123	485363.09, 3864377.25	7.06E-04	2.23E-07	6.49E-08	7.61E-04	2.40E-07	6.98E-08	1.19E-03	3.74E-07	1.09E-07
5124	485863.09, 3864377.25	7.05E-04	2.22E-07	6.47E-08	7.59E-04	2.39E-07	6.97E-08	1.18E-03	3.73E-07	1.09E-07
5125	486363.09, 3864377.25	7.02E-04	2.21E-07	6.44E-08	7.56E-04	2.38E-07	6.94E-08	1.18E-03	3.72E-07	1.08E-07
5126	486863.09, 3864377.25	6.94E-04	2.19E-07	6.37E-08	7.48E-04	2.36E-07	6.86E-08	1.16E-03	3.68E-07	1.07E-07
5127	487363.09, 3864377.25	6.89E-04	2.18E-07	6.33E-08	7.42E-04	2.34E-07	6.81E-08	1.16E-03	3.65E-07	1.06E-07
5128	487863.09, 3864377.25	6.85E-04	2.16E-07	6.29E-08	7.38E-04	2.33E-07	6.77E-08	1.15E-03	3.63E-07	1.06E-07
5129	488363.09, 3864377.25	6.84E-04	2.16E-07	6.28E-08	7.36E-04	2.32E-07	6.76E-08	1.15E-03	3.63E-07	1.06E-07
5130	488863.09, 3864377.25	6.89E-04	2.17E-07	6.32E-08	7.42E-04	2.34E-07	6.81E-08	1.16E-03	3.67E-07	1.07E-07
5131	489363.09, 3864377.25	6.92E-04	2.18E-07	6.35E-08	7.45E-04	2.35E-07	6.84E-08	1.17E-03	3.69E-07	1.07E-07
5132	489863.09, 3864377.25	6.93E-04	2.19E-07	6.36E-08	7.47E-04	2.36E-07	6.85E-08	1.17E-03	3.70E-07	1.08E-07
5133	490363.09, 3864377.25	6.97E-04	2.20E-07	6.40E-08	7.52E-04	2.37E-07	6.90E-08	1.18E-03	3.73E-07	1.09E-07
5134	490863.09, 3864377.25	7.09E-04	2.24E-07	6.51E-08	7.65E-04	2.41E-07	7.02E-08	1.20E-03	3.80E-07	1.11E-07
5135	491363.09, 3864377.25	7.39E-04	2.33E-07	6.78E-08	7.97E-04	2.52E-07	7.32E-08	1.26E-03	3.97E-07	1.15E-07
5136	491863.09, 3864377.25	4.54E-04	1.43E-07	4.17E-08	4.90E-04	1.55E-07	4.49E-08	7.75E-04	2.45E-07	7.12E-08
5137	492363.09, 3864377.25	6.92E-04	2.18E-07	6.35E-08	7.47E-04	2.36E-07	6.86E-08	1.18E-03	3.73E-07	1.09E-07
5138	492863.09, 3864377.25	5.25E-04	1.66E-07	4.82E-08	5.67E-04	1.79E-07	5.20E-08	9.00E-04	2.84E-07	8.26E-08
5139	493363.09, 3864377.25	6.90E-04	2.18E-07	6.33E-08	7.44E-04	2.35E-07	6.83E-08	1.18E-03	3.73E-07	1.08E-07
5140	493863.09, 3864377.25	7.75E-04	2.45E-07	7.12E-08	8.37E-04	2.64E-07	7.68E-08	1.33E-03	4.19E-07	1.22E-07
5141	494363.09, 3864377.25	7.85E-04	2.48E-07	7.20E-08	8.47E-04	2.67E-07	7.77E-08	1.34E-03	4.24E-07	1.23E-07
5142	494863.09, 3864377.25	7.51E-04	2.37E-07	6.89E-08	8.10E-04	2.56E-07	7.44E-08	1.29E-03	4.06E-07	1.18E-07
5143	495363.09, 3864377.25	7.17E-04	2.26E-07	6.58E-08	7.74E-04	2.44E-07	7.10E-08	1.23E-03	3.88E-07	1.13E-07
5144	495863.09, 3864377.25	6.94E-04	2.19E-07	6.37E-08	7.49E-04	2.36E-07	6.87E-08	1.19E-03	3.75E-07	1.09E-07
5145	496363.09, 3864377.25	6.83E-04	2.16E-07	6.27E-08	7.37E-04	2.33E-07	6.77E-08	1.17E-03	3.69E-07	1.07E-07
5146	496863.09, 3864377.25	6.79E-04	2.14E-07	6.23E-08	7.33E-04	2.31E-07	6.73E-08	1.16E-03	3.68E-07	1.07E-07
5147	497363.09, 3864377.25	6.76E-04	2.13E-07	6.21E-08	7.30E-04	2.30E-07	6.70E-08	1.16E-03	3.66E-07	1.07E-07
5148	497863.09, 3864377.25	6.86E-04	2.16E-07	6.29E-08	7.40E-04	2.34E-07	6.80E-08	1.18E-03	3.72E-07	1.08E-07
5149	498363.09, 3864377.25	6.89E-04	2.17E-07	6.32E-08	7.44E-04	2.35E-07	6.83E-08	1.18E-03	3.74E-07	1.09E-07
5150	471363.09, 3864877.25	3.39E-04	1.07E-07	3.11E-08	3.65E-04	1.15E-07	3.35E-08	5.77E-04	1.82E-07	5.30E-08
5151	471863.09, 3864877.25	3.47E-04	1.10E-07	3.19E-08	3.75E-04	1.18E-07	3.44E-08	5.91E-04	1.87E-07	5.43E-08
5152	472363.09, 3864877.25	3.55E-04	1.12E-07	3.26E-08	3.83E-04	1.21E-07	3.52E-08	6.05E-04	1.91E-07	5.55E-08
5153	472863.09, 3864877.25	3.64E-04	1.15E-07	3.34E-08	3.92E-04	1.24E-07	3.60E-08	6.19E-04	1.95E-07	5.68E-08
5154	473363.09, 3864877.25	3.73E-04	1.18E-07	3.42E-08	4.02E-04	1.27E-07	3.69E-08	6.33E-04	2.00E-07	5.81E-08
5155	473863.09, 3864877.25	3.82E-04	1.21E-07	3.51E-08	4.12E-04	1.30E-07	3.78E-08	6.49E-04	2.05E-07	5.96E-08
5156	474363.09, 3864877.25	3.93E-04	1.24E-07	3.60E-08	4.23E-04	1.34E-07	3.89E-08	6.67E-04	2.10E-07	6.12E-08
5157	474863.09, 3864877.25	4.04E-04	1.27E-07	3.71E-08	4.35E-04	1.37E-07	4.00E-08	6.85E-04	2.16E-07	6.29E-08
5158	475363.09, 3864877.25	4.16E-04	1.31E-07	3.82E-08	4.48E-04	1.41E-07	4.11E-08	7.05E-04	2.22E-07	6.47E-08
5159	475863.09, 3864877.25	4.29E-04	1.35E-07	3.94E-08	4.62E-04	1.46E-07	4.24E-08	7.26E-04	2.29E-07	6.67E-08
5160	476363.09, 3864877.25	4.44E-04	1.40E-07	4.08E-08	4.79E-04	1.51E-07	4.40E-08	7.52E-04	2.37E-07	6.91E-08
5161	476863.09, 3864877.25	4.63E-04	1.46E-07	4.25E-08	4.99E-04	1.57E-07	4.58E-08	7.84E-04	2.47E-07	7.19E-08
5162	477363.09, 3864877.25	4.81E-04	1.52E-07	4.42E-08	5.19E-04	1.64E-07	4.76E-08	8.15E-04	2.57E-07	7.48E-08
5163	477863.09, 3864877.25	5.01E-04	1.58E-07	4.60E-08	5.40E-04	1.71E-07	4.96E-08	8.49E-04	2.68E-07	7.79E-08
5164	478363.09, 3864877.25	5.20E-04	1.64E-07	4.77E-08	5.60E-04	1.77E-07	5.14E-08	8.80E-04	2.78E-07	8.08E-08
5165	478863.09, 3864877.25	5.36E-04	1.69E-07	4.92E-08	5.78E-04	1.82E-07	5.31E-08	9.08E-04	2.87E-07	8.34E-08
5166	479363.09, 3864877.25	5.53E-04	1.74E-07	5.07E-08	5.96E-04	1.88E-07	5.47E-08	9.35E-04	2.95E-07	8.58E-08
5167	479863.09, 3864877.25	5.69E-04	1.80E-07	5.23E-08	6.14E-04	1.94E-07	5.63E-08	9.64E-04	3.04E-07	8.85E-08
5168	480363.09, 3864877.25	5.90E-04	1.86E-07	5.41E-08	6.36E-04	2.01E-07	5.84E-08	9.98E-04	3.15E-07	9.16E-08
5169	480863.09, 3864877.25	6.06E-04	1.91E-07	5.56E-08	6.53E-04	2.06E-07	6.00E-08	1.03E-03	3.24E-07	9.41E-08
5170	481363.09, 3864877.25	6.22E-04	1.96E-07	5.71E-08	6.70E-04	2.11E-07	6.15E-08	1.05E-03	3.32E-07	9.65E-08
5171	481863.09, 3864877.25	6.35E-04	2.00E-07	5.83E-08	6.84E-04	2.16E-07	6.28E-08	1.07E-03	3.39E-07	9.86E-08
5172	482363.09, 3864877.25	6.47E-04	2.04E-07	5.94E-08	6.97E-04	2.20E-07	6.40E-08	1.09E-03	3.45E-07	1.00E-07
5173	482863.09, 3864877.25	6.55E-04	2.07E-07	6.01E-08	7.06E-04	2.23E-07	6.48E-08	1.11E-03	3.49E-07	1.02E-07
5174	483363.09, 3864877.25	6.57E-04	2.07E-07	6.03E-08	7.08E-04	2.23E-07	6.50E-08	1.11E-03	3.50E-07	1.02E-07
5175	483863.09, 3864877.25	6.52E-04	2.06E-07	5.99E-08	7.03E-04	2.22E-07	6.45E-08	1.10E-03	3.47E-07	1.01E-07
5176	484363.09, 3864877.25	6.47E-04	2.04E-07	5.94E-08	6.97E-04	2.20E-07	6.40E-08	1.09E-03	3.43E-07	9.99E-08
5177	484863.09, 3864877.25	6.40E-04	2.02E-07	5.88E-08	6.90E-04	2.18E-07	6.33E-08	1.08E-03	3.39E-07	9.87E-08
5178	485363.09, 3864877.25	6.37E-04	2.01E-07	5.85E-08	6.86E-04	2.16E-07	6.29E-08	1.07E-03	3.37E-07	9.81E-08
5179	485863.09, 3864877.25	6.34E-04	2.00E-07	5.82E-08	6.82E-04	2.15E-07	6.26E-08	1.06E-03	3.36E-07	9.76E-08
5180	486363.09, 3864877.25	6.30E-04	1.99E-07	5.79E-08	6.79E-04	2.14E-07	6.23E-08	1.06E-03	3.34E-07	9.71E-08
5181	486863.09, 3864877.25	6.25E-04	1.97E-07	5.74E-08	6.73E-04	2.12E-07	6.18E-08	1.05E-03	3.31E-07	9.62E-08

5182	487363.09, 3864877.25	6.21E-04	1.96E-07	5.70E-08	6.68E-04	2.11E-07	6.13E-08	1.04E-03	3.29E-07	9.56E-08
5183	487863.09, 3864877.25	6.18E-04	1.95E-07	5.67E-08	6.65E-04	2.10E-07	6.11E-08	1.04E-03	3.27E-07	9.52E-08
5184	488363.09, 3864877.25	6.18E-04	1.95E-07	5.67E-08	6.65E-04	2.10E-07	6.11E-08	1.04E-03	3.28E-07	9.53E-08
5185	488863.09, 3864877.25	6.21E-04	1.96E-07	5.70E-08	6.69E-04	2.11E-07	6.14E-08	1.05E-03	3.30E-07	9.61E-08
5186	489363.09, 3864877.25	6.23E-04	1.97E-07	5.72E-08	6.72E-04	2.12E-07	6.17E-08	1.05E-03	3.32E-07	9.67E-08
5187	489863.09, 3864877.25	6.24E-04	1.97E-07	5.73E-08	6.73E-04	2.12E-07	6.18E-08	1.06E-03	3.33E-07	9.70E-08
5188	490363.09, 3864877.25	6.28E-04	1.98E-07	5.76E-08	6.77E-04	2.14E-07	6.21E-08	1.06E-03	3.35E-07	9.76E-08
5189	490863.09, 3864877.25	6.47E-04	2.04E-07	5.94E-08	6.98E-04	2.20E-07	6.41E-08	1.10E-03	3.47E-07	1.01E-07
5190	491363.09, 3864877.25	6.62E-04	2.09E-07	6.08E-08	7.14E-04	2.25E-07	6.55E-08	1.12E-03	3.55E-07	1.03E-07
5191	491863.09, 3864877.25	6.59E-04	2.08E-07	6.05E-08	7.11E-04	2.24E-07	6.52E-08	1.12E-03	3.54E-07	1.03E-07
5192	492363.09, 3864877.25	2.70E-04	8.51E-08	2.48E-08	2.91E-04	9.18E-08	2.67E-08	4.58E-04	1.45E-07	4.20E-08
5193	492863.09, 3864877.25	3.62E-04	1.14E-07	3.33E-08	3.91E-04	1.23E-07	3.59E-08	6.18E-04	1.95E-07	5.67E-08
5194	493363.09, 3864877.25	3.47E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.91E-04	1.87E-07	5.43E-08
5195	493863.09, 3864877.25	6.36E-04	2.01E-07	5.84E-08	6.86E-04	2.16E-07	6.30E-08	1.09E-03	3.43E-07	9.98E-08
5196	494363.09, 3864877.25	7.04E-04	2.22E-07	6.46E-08	7.60E-04	2.40E-07	6.97E-08	1.20E-03	3.80E-07	1.11E-07
5197	494863.09, 3864877.25	7.10E-04	2.24E-07	6.52E-08	7.66E-04	2.42E-07	7.03E-08	1.22E-03	3.84E-07	1.12E-07
5198	495363.09, 3864877.25	6.82E-04	2.15E-07	6.26E-08	7.36E-04	2.32E-07	6.76E-08	1.17E-03	3.69E-07	1.07E-07
5199	495863.09, 3864877.25	6.50E-04	2.05E-07	5.97E-08	7.02E-04	2.22E-07	6.45E-08	1.11E-03	3.52E-07	1.02E-07
5200	496363.09, 3864877.25	6.29E-04	1.98E-07	5.77E-08	6.79E-04	2.14E-07	6.23E-08	1.08E-03	3.40E-07	9.89E-08
5201	496863.09, 3864877.25	6.18E-04	1.95E-07	5.67E-08	6.67E-04	2.10E-07	6.12E-08	1.06E-03	3.34E-07	9.72E-08
5202	497363.09, 3864877.25	6.13E-04	1.93E-07	5.62E-08	6.61E-04	2.09E-07	6.07E-08	1.05E-03	3.32E-07	9.64E-08
5203	497863.09, 3864877.25	6.12E-04	1.93E-07	5.62E-08	6.61E-04	2.08E-07	6.06E-08	1.05E-03	3.32E-07	9.64E-08
5204	498363.09, 3864877.25	6.11E-04	1.93E-07	5.61E-08	6.60E-04	2.08E-07	6.06E-08	1.05E-03	3.31E-07	9.64E-08
5205	471363.09, 3865377.25	3.21E-04	1.01E-07	2.95E-08	3.47E-04	1.09E-07	3.18E-08	5.47E-04	1.73E-07	5.02E-08
5206	471863.09, 3865377.25	3.28E-04	1.04E-07	3.01E-08	3.54E-04	1.12E-07	3.25E-08	5.58E-04	1.76E-07	5.12E-08
5207	472363.09, 3865377.25	3.35E-04	1.06E-07	3.08E-08	3.61E-04	1.14E-07	3.32E-08	5.69E-04	1.80E-07	5.22E-08
5208	472863.09, 3865377.25	3.43E-04	1.08E-07	3.15E-08	3.70E-04	1.17E-07	3.39E-08	5.82E-04	1.84E-07	5.34E-08
5209	473363.09, 3865377.25	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.94E-04	1.87E-07	5.45E-08
5210	473863.09, 3865377.25	3.58E-04	1.13E-07	3.29E-08	3.86E-04	1.22E-07	3.54E-08	6.08E-04	1.92E-07	5.58E-08
5211	474363.09, 3865377.25	3.68E-04	1.16E-07	3.38E-08	3.97E-04	1.25E-07	3.64E-08	6.23E-04	1.97E-07	5.72E-08
5212	474863.09, 3865377.25	3.79E-04	1.20E-07	3.48E-08	4.08E-04	1.29E-07	3.75E-08	6.41E-04	2.02E-07	5.89E-08
5213	475363.09, 3865377.25	3.90E-04	1.23E-07	3.58E-08	4.20E-04	1.33E-07	3.86E-08	6.59E-04	2.08E-07	6.05E-08
5214	475863.09, 3865377.25	4.04E-04	1.27E-07	3.71E-08	4.35E-04	1.37E-07	3.99E-08	6.83E-04	2.16E-07	6.27E-08
5215	476363.09, 3865377.25	4.22E-04	1.33E-07	3.88E-08	4.55E-04	1.44E-07	4.18E-08	7.15E-04	2.26E-07	6.57E-08
5216	476863.09, 3865377.25	4.29E-04	1.35E-07	3.94E-08	4.63E-04	1.46E-07	4.25E-08	7.28E-04	2.30E-07	6.69E-08
5217	477363.09, 3865377.25	4.58E-04	1.44E-07	4.20E-08	4.93E-04	1.56E-07	4.53E-08	7.76E-04	2.45E-07	7.12E-08
5218	477863.09, 3865377.25	4.72E-04	1.49E-07	4.33E-08	5.08E-04	1.60E-07	4.67E-08	7.99E-04	2.52E-07	7.34E-08
5219	478363.09, 3865377.25	4.88E-04	1.54E-07	4.48E-08	5.26E-04	1.66E-07	4.83E-08	8.26E-04	2.61E-07	7.58E-08
5220	478863.09, 3865377.25	5.00E-04	1.58E-07	4.59E-08	5.39E-04	1.70E-07	4.95E-08	8.46E-04	2.67E-07	7.77E-08
5221	479363.09, 3865377.25	5.14E-04	1.62E-07	4.72E-08	5.54E-04	1.75E-07	5.08E-08	8.69E-04	2.74E-07	7.98E-08
5222	479863.09, 3865377.25	5.30E-04	1.67E-07	4.87E-08	5.71E-04	1.80E-07	5.24E-08	8.97E-04	2.83E-07	8.23E-08
5223	480363.09, 3865377.25	5.45E-04	1.72E-07	5.00E-08	5.87E-04	1.85E-07	5.39E-08	9.21E-04	2.91E-07	8.46E-08
5224	480863.09, 3865377.25	5.58E-04	1.76E-07	5.13E-08	6.02E-04	1.90E-07	5.52E-08	9.44E-04	2.98E-07	8.67E-08
5225	481363.09, 3865377.25	5.71E-04	1.80E-07	5.24E-08	6.16E-04	1.94E-07	5.65E-08	9.66E-04	3.05E-07	8.87E-08
5226	481863.09, 3865377.25	5.81E-04	1.84E-07	5.34E-08	6.27E-04	1.98E-07	5.75E-08	9.83E-04	3.10E-07	9.02E-08
5227	482363.09, 3865377.25	5.90E-04	1.86E-07	5.41E-08	6.35E-04	2.01E-07	5.83E-08	9.96E-04	3.14E-07	9.15E-08
5228	482863.09, 3865377.25	5.95E-04	1.88E-07	5.46E-08	6.41E-04	2.02E-07	5.88E-08	1.00E-03	3.17E-07	9.21E-08
5229	483363.09, 3865377.25	5.96E-04	1.88E-07	5.47E-08	6.42E-04	2.03E-07	5.89E-08	1.00E-03	3.17E-07	9.22E-08
5230	483863.09, 3865377.25	5.91E-04	1.87E-07	5.43E-08	6.37E-04	2.01E-07	5.85E-08	9.95E-04	3.14E-07	9.13E-08
5231	484363.09, 3865377.25	5.86E-04	1.85E-07	5.38E-08	6.31E-04	1.99E-07	5.79E-08	9.85E-04	3.11E-07	9.04E-08
5232	484863.09, 3865377.25	5.81E-04	1.83E-07	5.33E-08	6.26E-04	1.97E-07	5.74E-08	9.75E-04	3.08E-07	8.95E-08
5233	485363.09, 3865377.25	5.77E-04	1.82E-07	5.30E-08	6.21E-04	1.96E-07	5.70E-08	9.67E-04	3.05E-07	8.88E-08
5234	485863.09, 3865377.25	5.74E-04	1.81E-07	5.27E-08	6.17E-04	1.95E-07	5.67E-08	9.62E-04	3.04E-07	8.83E-08
5235	486363.09, 3865377.25	5.71E-04	1.80E-07	5.24E-08	6.15E-04	1.94E-07	5.64E-08	9.57E-04	3.02E-07	8.79E-08
5236	486863.09, 3865377.25	5.67E-04	1.79E-07	5.20E-08	6.10E-04	1.93E-07	5.60E-08	9.50E-04	3.00E-07	8.72E-08
5237	487363.09, 3865377.25	5.64E-04	1.78E-07	5.18E-08	6.07E-04	1.92E-07	5.57E-08	9.45E-04	2.98E-07	8.68E-08
5238	487863.09, 3865377.25	5.62E-04	1.77E-07	5.16E-08	6.05E-04	1.91E-07	5.55E-08	9.42E-04	2.97E-07	8.65E-08
5239	488363.09, 3865377.25	5.62E-04	1.77E-07	5.16E-08	6.06E-04	1.91E-07	5.56E-08	9.45E-04	2.98E-07	8.67E-08
5240	488863.09, 3865377.25	5.65E-04	1.78E-07	5.19E-08	6.09E-04	1.92E-07	5.59E-08	9.51E-04	3.00E-07	8.73E-08
5241	489363.09, 3865377.25	5.67E-04	1.79E-07	5.21E-08	6.11E-04	1.93E-07	5.61E-08	9.58E-04	3.02E-07	8.79E-08
5242	489863.09, 3865377.25	5.72E-04	1.80E-07	5.25E-08	6.16E-04	1.94E-07	5.66E-08	9.67E-04	3.05E-07	8.88E-08

5243	490363.09, 3865377.25	5.84E-04	1.84E-07	5.36E-08	6.30E-04	1.99E-07	5.78E-08	9.91E-04	3.13E-07	9.10E-08
5244	490863.09, 3865377.25	5.81E-04	1.83E-07	5.34E-08	6.27E-04	1.98E-07	5.75E-08	9.86E-04	3.11E-07	9.05E-08
5245	491363.09, 3865377.25	5.82E-04	1.84E-07	5.34E-08	6.27E-04	1.98E-07	5.76E-08	9.89E-04	3.12E-07	9.08E-08
5246	491863.09, 3865377.25	5.90E-04	1.86E-07	5.41E-08	6.36E-04	2.01E-07	5.84E-08	1.00E-03	3.17E-07	9.22E-08
5247	492363.09, 3865377.25	5.32E-04	1.68E-07	4.88E-08	5.74E-04	1.81E-07	5.27E-08	9.09E-04	2.87E-07	8.34E-08
5248	492863.09, 3865377.25	4.21E-04	1.33E-07	3.87E-08	4.55E-04	1.43E-07	4.17E-08	7.20E-04	2.27E-07	6.61E-08
5249	493363.09, 3865377.25	3.19E-04	1.01E-07	2.93E-08	3.44E-04	1.09E-07	3.16E-08	5.45E-04	1.72E-07	5.00E-08
5250	493863.09, 3865377.25	4.69E-04	1.48E-07	4.30E-08	5.06E-04	1.60E-07	4.64E-08	8.02E-04	2.53E-07	7.37E-08
5251	494363.09, 3865377.25	5.85E-04	1.85E-07	5.37E-08	6.32E-04	1.99E-07	5.80E-08	1.00E-03	3.16E-07	9.18E-08
5252	494863.09, 3865377.25	6.38E-04	2.01E-07	5.85E-08	6.88E-04	2.17E-07	6.32E-08	1.09E-03	3.44E-07	1.00E-07
5253	495363.09, 3865377.25	6.46E-04	2.04E-07	5.93E-08	6.97E-04	2.20E-07	6.40E-08	1.11E-03	3.49E-07	1.02E-07
5254	495863.09, 3865377.25	6.23E-04	1.96E-07	5.72E-08	6.72E-04	2.12E-07	6.17E-08	1.07E-03	3.36E-07	9.79E-08
5255	496363.09, 3865377.25	5.92E-04	1.87E-07	5.43E-08	6.39E-04	2.02E-07	5.86E-08	1.01E-03	3.20E-07	9.30E-08
5256	496863.09, 3865377.25	5.65E-04	1.78E-07	5.18E-08	6.09E-04	1.92E-07	5.59E-08	9.66E-04	3.05E-07	8.86E-08
5257	497363.09, 3865377.25	5.62E-04	1.77E-07	5.16E-08	6.06E-04	1.91E-07	5.57E-08	9.63E-04	3.04E-07	8.84E-08
5258	497863.09, 3865377.25	5.57E-04	1.76E-07	5.11E-08	6.01E-04	1.90E-07	5.52E-08	9.55E-04	3.01E-07	8.76E-08
5259	498363.09, 3865377.25	5.57E-04	1.76E-07	5.12E-08	6.02E-04	1.90E-07	5.52E-08	9.56E-04	3.02E-07	8.77E-08
5260	471363.09, 3865877.25	3.04E-04	9.58E-08	2.79E-08	3.27E-04	1.03E-07	3.01E-08	5.16E-04	1.63E-07	4.74E-08
5261	471863.09, 3865877.25	3.09E-04	9.75E-08	2.84E-08	3.33E-04	1.05E-07	3.06E-08	5.24E-04	1.66E-07	4.81E-08
5262	472363.09, 3865877.25	3.16E-04	9.97E-08	2.90E-08	3.41E-04	1.07E-07	3.13E-08	5.36E-04	1.69E-07	4.92E-08
5263	472863.09, 3865877.25	3.21E-04	1.01E-07	2.95E-08	3.46E-04	1.09E-07	3.18E-08	5.45E-04	1.72E-07	5.00E-08
5264	473363.09, 3865877.25	3.28E-04	1.04E-07	3.01E-08	3.54E-04	1.12E-07	3.25E-08	5.56E-04	1.76E-07	5.11E-08
5265	473863.09, 3865877.25	3.37E-04	1.06E-07	3.10E-08	3.64E-04	1.15E-07	3.34E-08	5.71E-04	1.80E-07	5.24E-08
5266	474363.09, 3865877.25	3.47E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.87E-04	1.85E-07	5.39E-08
5267	474863.09, 3865877.25	3.58E-04	1.13E-07	3.29E-08	3.86E-04	1.22E-07	3.54E-08	6.06E-04	1.91E-07	5.56E-08
5268	475363.09, 3865877.25	3.70E-04	1.17E-07	3.40E-08	3.99E-04	1.26E-07	3.66E-08	6.25E-04	1.97E-07	5.74E-08
5269	475863.09, 3865877.25	3.84E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.49E-04	2.05E-07	5.96E-08
5270	476363.09, 3865877.25	4.01E-04	1.27E-07	3.68E-08	4.33E-04	1.37E-07	3.97E-08	6.80E-04	2.15E-07	6.25E-08
5271	476863.09, 3865877.25	4.08E-04	1.29E-07	3.74E-08	4.39E-04	1.39E-07	4.03E-08	6.92E-04	2.18E-07	6.35E-08
5272	477363.09, 3865877.25	4.35E-04	1.37E-07	3.99E-08	4.68E-04	1.48E-07	4.30E-08	7.36E-04	2.32E-07	6.76E-08
5273	477863.09, 3865877.25	4.46E-04	1.41E-07	4.09E-08	4.80E-04	1.52E-07	4.41E-08	7.55E-04	2.38E-07	6.93E-08
5274	478363.09, 3865877.25	4.58E-04	1.44E-07	4.20E-08	4.93E-04	1.56E-07	4.53E-08	7.74E-04	2.44E-07	7.11E-08
5275	478863.09, 3865877.25	4.68E-04	1.48E-07	4.30E-08	5.05E-04	1.59E-07	4.63E-08	7.92E-04	2.50E-07	7.27E-08
5276	479363.09, 3865877.25	4.80E-04	1.52E-07	4.41E-08	5.18E-04	1.63E-07	4.75E-08	8.12E-04	2.56E-07	7.46E-08
5277	479863.09, 3865877.25	4.93E-04	1.56E-07	4.53E-08	5.31E-04	1.68E-07	4.88E-08	8.34E-04	2.63E-07	7.65E-08
5278	480363.09, 3865877.25	5.06E-04	1.60E-07	4.64E-08	5.45E-04	1.72E-07	5.00E-08	8.56E-04	2.70E-07	7.85E-08
5279	480863.09, 3865877.25	5.18E-04	1.63E-07	4.75E-08	5.58E-04	1.76E-07	5.12E-08	8.76E-04	2.76E-07	8.04E-08
5280	481363.09, 3865877.25	5.27E-04	1.66E-07	4.84E-08	5.68E-04	1.79E-07	5.21E-08	8.90E-04	2.81E-07	8.17E-08
5281	481863.09, 3865877.25	5.34E-04	1.69E-07	4.90E-08	5.76E-04	1.82E-07	5.29E-08	9.03E-04	2.85E-07	8.29E-08
5282	482363.09, 3865877.25	5.40E-04	1.70E-07	4.96E-08	5.82E-04	1.84E-07	5.34E-08	9.12E-04	2.88E-07	8.37E-08
5283	482863.09, 3865877.25	5.44E-04	1.72E-07	4.99E-08	5.86E-04	1.85E-07	5.38E-08	9.17E-04	2.89E-07	8.42E-08
5284	483363.09, 3865877.25	5.44E-04	1.72E-07	4.99E-08	5.86E-04	1.85E-07	5.38E-08	9.16E-04	2.89E-07	8.41E-08
5285	483863.09, 3865877.25	5.41E-04	1.71E-07	4.96E-08	5.82E-04	1.84E-07	5.34E-08	9.09E-04	2.87E-07	8.34E-08
5286	484363.09, 3865877.25	5.37E-04	1.69E-07	4.93E-08	5.78E-04	1.82E-07	5.30E-08	9.00E-04	2.84E-07	8.27E-08
5287	484863.09, 3865877.25	5.30E-04	1.67E-07	4.86E-08	5.70E-04	1.80E-07	5.24E-08	8.88E-04	2.80E-07	8.16E-08
5288	485363.09, 3865877.25	5.25E-04	1.66E-07	4.82E-08	5.65E-04	1.78E-07	5.19E-08	8.80E-04	2.78E-07	8.08E-08
5289	485863.09, 3865877.25	5.22E-04	1.65E-07	4.79E-08	5.62E-04	1.77E-07	5.16E-08	8.75E-04	2.76E-07	8.03E-08
5290	486363.09, 3865877.25	5.19E-04	1.64E-07	4.77E-08	5.59E-04	1.76E-07	5.13E-08	8.69E-04	2.74E-07	7.98E-08
5291	486863.09, 3865877.25	5.16E-04	1.63E-07	4.74E-08	5.56E-04	1.75E-07	5.10E-08	8.64E-04	2.73E-07	7.94E-08
5292	487363.09, 3865877.25	5.14E-04	1.62E-07	4.72E-08	5.54E-04	1.75E-07	5.08E-08	8.62E-04	2.72E-07	7.91E-08
5293	487863.09, 3865877.25	5.15E-04	1.63E-07	4.73E-08	5.55E-04	1.75E-07	5.09E-08	8.64E-04	2.73E-07	7.93E-08
5294	488363.09, 3865877.25	5.15E-04	1.63E-07	4.73E-08	5.55E-04	1.75E-07	5.09E-08	8.65E-04	2.73E-07	7.94E-08
5295	488863.09, 3865877.25	5.18E-04	1.64E-07	4.76E-08	5.58E-04	1.76E-07	5.12E-08	8.72E-04	2.75E-07	8.00E-08
5296	489363.09, 3865877.25	5.21E-04	1.65E-07	4.78E-08	5.61E-04	1.77E-07	5.15E-08	8.79E-04	2.77E-07	8.07E-08
5297	489863.09, 3865877.25	5.23E-04	1.65E-07	4.80E-08	5.64E-04	1.78E-07	5.18E-08	8.84E-04	2.79E-07	8.11E-08
5298	490363.09, 3865877.25	5.30E-04	1.67E-07	4.87E-08	5.71E-04	1.80E-07	5.24E-08	8.97E-04	2.83E-07	8.23E-08
5299	490863.09, 3865877.25	5.34E-04	1.68E-07	4.90E-08	5.76E-04	1.82E-07	5.28E-08	9.06E-04	2.86E-07	8.31E-08
5300	491363.09, 3865877.25	5.24E-04	1.65E-07	4.81E-08	5.65E-04	1.78E-07	5.19E-08	8.91E-04	2.81E-07	8.18E-08
5301	491863.09, 3865877.25	5.24E-04	1.65E-07	4.81E-08	5.65E-04	1.78E-07	5.19E-08	8.93E-04	2.82E-07	8.19E-08
5302	492363.09, 3865877.25	5.13E-04	1.62E-07	4.71E-08	5.53E-04	1.75E-07	5.08E-08	8.75E-04	2.76E-07	8.04E-08
5303	492863.09, 3865877.25	4.15E-04	1.31E-07	3.81E-08	4.47E-04	1.41E-07	4.11E-08	7.08E-04	2.24E-07	6.50E-08

5304	493363.09, 3865877.25	4.13E-04	1.30E-07	3.79E-08	4.46E-04	1.41E-07	4.09E-08	7.06E-04	2.23E-07	6.48E-08
5305	493863.09, 3865877.25	4.56E-04	1.44E-07	4.19E-08	4.92E-04	1.55E-07	4.52E-08	7.80E-04	2.46E-07	7.16E-08
5306	494363.09, 3865877.25	4.99E-04	1.57E-07	4.58E-08	5.38E-04	1.70E-07	4.94E-08	8.51E-04	2.69E-07	7.82E-08
5307	494863.09, 3865877.25	5.54E-04	1.75E-07	5.09E-08	5.98E-04	1.89E-07	5.49E-08	9.46E-04	2.99E-07	8.69E-08
5308	495363.09, 3865877.25	5.84E-04	1.84E-07	5.36E-08	6.30E-04	1.99E-07	5.79E-08	9.99E-04	3.15E-07	9.17E-08
5309	495863.09, 3865877.25	5.91E-04	1.86E-07	5.42E-08	6.38E-04	2.01E-07	5.85E-08	1.01E-03	3.19E-07	9.29E-08
5310	496363.09, 3865877.25	5.72E-04	1.81E-07	5.25E-08	6.17E-04	1.95E-07	5.67E-08	9.79E-04	3.09E-07	8.99E-08
5311	496863.09, 3865877.25	5.35E-04	1.69E-07	4.91E-08	5.78E-04	1.82E-07	5.30E-08	9.16E-04	2.89E-07	8.41E-08
5312	497363.09, 3865877.25	5.13E-04	1.62E-07	4.71E-08	5.54E-04	1.75E-07	5.08E-08	8.77E-04	2.77E-07	8.05E-08
5313	497863.09, 3865877.25	5.06E-04	1.60E-07	4.65E-08	5.46E-04	1.72E-07	5.01E-08	8.65E-04	2.73E-07	7.94E-08
5314	498363.09, 3865877.25	5.00E-04	1.58E-07	4.59E-08	5.40E-04	1.70E-07	4.96E-08	8.55E-04	2.70E-07	7.85E-08
5315	471363.09, 3866377.25	2.86E-04	9.02E-08	2.62E-08	3.08E-04	9.73E-08	2.83E-08	4.85E-04	1.53E-07	4.45E-08
5316	471863.09, 3866377.25	2.91E-04	9.20E-08	2.67E-08	3.14E-04	9.91E-08	2.88E-08	4.94E-04	1.56E-07	4.53E-08
5317	472363.09, 3866377.25	2.97E-04	9.38E-08	2.73E-08	3.20E-04	1.01E-07	2.94E-08	5.03E-04	1.59E-07	4.62E-08
5318	472863.09, 3866377.25	3.03E-04	9.55E-08	2.78E-08	3.26E-04	1.03E-07	2.99E-08	5.12E-04	1.62E-07	4.70E-08
5319	473363.09, 3866377.25	3.11E-04	9.81E-08	2.85E-08	3.35E-04	1.06E-07	3.07E-08	5.26E-04	1.66E-07	4.83E-08
5320	473863.09, 3866377.25	3.19E-04	1.01E-07	2.93E-08	3.44E-04	1.09E-07	3.16E-08	5.40E-04	1.70E-07	4.96E-08
5321	474363.09, 3866377.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.57E-04	1.76E-07	5.11E-08
5322	474863.09, 3866377.25	3.41E-04	1.07E-07	3.13E-08	3.67E-04	1.16E-07	3.37E-08	5.76E-04	1.82E-07	5.29E-08
5323	475363.09, 3866377.25	3.52E-04	1.11E-07	3.23E-08	3.79E-04	1.20E-07	3.48E-08	5.95E-04	1.88E-07	5.47E-08
5324	475863.09, 3866377.25	3.65E-04	1.15E-07	3.35E-08	3.93E-04	1.24E-07	3.61E-08	6.17E-04	1.95E-07	5.66E-08
5325	476363.09, 3866377.25	3.83E-04	1.21E-07	3.52E-08	4.13E-04	1.30E-07	3.79E-08	6.49E-04	2.05E-07	5.96E-08
5326	476863.09, 3866377.25	3.84E-04	1.21E-07	3.53E-08	4.14E-04	1.31E-07	3.80E-08	6.52E-04	2.06E-07	5.99E-08
5327	477363.09, 3866377.25	4.09E-04	1.29E-07	3.76E-08	4.41E-04	1.39E-07	4.05E-08	6.94E-04	2.19E-07	6.37E-08
5328	477863.09, 3866377.25	4.22E-04	1.33E-07	3.88E-08	4.55E-04	1.44E-07	4.18E-08	7.14E-04	2.25E-07	6.56E-08
5329	478363.09, 3866377.25	4.30E-04	1.36E-07	3.94E-08	4.63E-04	1.46E-07	4.25E-08	7.27E-04	2.29E-07	6.67E-08
5330	478863.09, 3866377.25	4.40E-04	1.39E-07	4.04E-08	4.74E-04	1.50E-07	4.35E-08	7.43E-04	2.35E-07	6.82E-08
5331	479363.09, 3866377.25	4.51E-04	1.42E-07	4.14E-08	4.86E-04	1.53E-07	4.46E-08	7.62E-04	2.41E-07	7.00E-08
5332	479863.09, 3866377.25	4.64E-04	1.46E-07	4.26E-08	5.00E-04	1.58E-07	4.59E-08	7.85E-04	2.48E-07	7.20E-08
5333	480363.09, 3866377.25	4.76E-04	1.50E-07	4.37E-08	5.13E-04	1.62E-07	4.71E-08	8.04E-04	2.54E-07	7.38E-08
5334	480863.09, 3866377.25	4.83E-04	1.52E-07	4.44E-08	5.21E-04	1.64E-07	4.78E-08	8.17E-04	2.58E-07	7.50E-08
5335	481363.09, 3866377.25	4.90E-04	1.55E-07	4.50E-08	5.28E-04	1.67E-07	4.85E-08	8.28E-04	2.61E-07	7.60E-08
5336	481863.09, 3866377.25	4.94E-04	1.56E-07	4.53E-08	5.32E-04	1.68E-07	4.88E-08	8.34E-04	2.63E-07	7.65E-08
5337	482363.09, 3866377.25	4.97E-04	1.57E-07	4.56E-08	5.36E-04	1.69E-07	4.92E-08	8.39E-04	2.65E-07	7.70E-08
5338	482863.09, 3866377.25	5.00E-04	1.58E-07	4.59E-08	5.39E-04	1.70E-07	4.95E-08	8.43E-04	2.66E-07	7.74E-08
5339	483363.09, 3866377.25	5.00E-04	1.58E-07	4.59E-08	5.38E-04	1.70E-07	4.94E-08	8.41E-04	2.65E-07	7.72E-08
5340	483863.09, 3866377.25	4.97E-04	1.57E-07	4.56E-08	5.35E-04	1.69E-07	4.91E-08	8.34E-04	2.63E-07	7.66E-08
5341	484363.09, 3866377.25	4.91E-04	1.55E-07	4.51E-08	5.29E-04	1.67E-07	4.86E-08	8.24E-04	2.60E-07	7.56E-08
5342	484863.09, 3866377.25	4.87E-04	1.54E-07	4.47E-08	5.24E-04	1.66E-07	4.81E-08	8.16E-04	2.58E-07	7.49E-08
5343	485363.09, 3866377.25	4.81E-04	1.52E-07	4.42E-08	5.18E-04	1.64E-07	4.76E-08	8.06E-04	2.54E-07	7.40E-08
5344	485863.09, 3866377.25	4.77E-04	1.50E-07	4.38E-08	5.13E-04	1.62E-07	4.71E-08	7.98E-04	2.52E-07	7.33E-08
5345	486363.09, 3866377.25	4.74E-04	1.50E-07	4.35E-08	5.10E-04	1.61E-07	4.69E-08	7.94E-04	2.51E-07	7.29E-08
5346	486863.09, 3866377.25	4.74E-04	1.50E-07	4.35E-08	5.10E-04	1.61E-07	4.68E-08	7.93E-04	2.50E-07	7.28E-08
5347	487363.09, 3866377.25	4.81E-04	1.52E-07	4.42E-08	5.18E-04	1.63E-07	4.75E-08	8.06E-04	2.54E-07	7.40E-08
5348	487863.09, 3866377.25	4.85E-04	1.53E-07	4.45E-08	5.22E-04	1.65E-07	4.79E-08	8.13E-04	2.57E-07	7.46E-08
5349	488363.09, 3866377.25	4.85E-04	1.53E-07	4.45E-08	5.22E-04	1.65E-07	4.79E-08	8.14E-04	2.57E-07	7.47E-08
5350	488863.09, 3866377.25	4.87E-04	1.54E-07	4.47E-08	5.25E-04	1.66E-07	4.82E-08	8.21E-04	2.59E-07	7.53E-08
5351	489363.09, 3866377.25	4.86E-04	1.53E-07	4.46E-08	5.24E-04	1.65E-07	4.81E-08	8.21E-04	2.59E-07	7.53E-08
5352	489863.09, 3866377.25	4.75E-04	1.50E-07	4.36E-08	5.12E-04	1.62E-07	4.70E-08	8.04E-04	2.54E-07	7.38E-08
5353	490363.09, 3866377.25	4.85E-04	1.53E-07	4.45E-08	5.22E-04	1.65E-07	4.80E-08	8.19E-04	2.59E-07	7.52E-08
5354	490863.09, 3866377.25	4.86E-04	1.53E-07	4.46E-08	5.24E-04	1.65E-07	4.81E-08	8.22E-04	2.60E-07	7.55E-08
5355	491363.09, 3866377.25	4.93E-04	1.55E-07	4.52E-08	5.31E-04	1.68E-07	4.88E-08	8.36E-04	2.64E-07	7.67E-08
5356	491863.09, 3866377.25	4.67E-04	1.47E-07	4.29E-08	5.03E-04	1.59E-07	4.62E-08	7.95E-04	2.51E-07	7.29E-08
5357	492363.09, 3866377.25	4.70E-04	1.48E-07	4.32E-08	5.07E-04	1.60E-07	4.66E-08	8.02E-04	2.53E-07	7.36E-08
5358	492863.09, 3866377.25	4.36E-04	1.38E-07	4.00E-08	4.70E-04	1.48E-07	4.32E-08	7.45E-04	2.35E-07	6.84E-08
5359	493363.09, 3866377.25	4.58E-04	1.44E-07	4.20E-08	4.94E-04	1.56E-07	4.53E-08	7.81E-04	2.47E-07	7.17E-08
5360	493863.09, 3866377.25	4.79E-04	1.51E-07	4.40E-08	5.17E-04	1.63E-07	4.74E-08	8.18E-04	2.58E-07	7.51E-08
5361	494363.09, 3866377.25	4.88E-04	1.54E-07	4.48E-08	5.26E-04	1.66E-07	4.83E-08	8.31E-04	2.62E-07	7.63E-08
5362	494863.09, 3866377.25	4.78E-04	1.51E-07	4.39E-08	5.16E-04	1.63E-07	4.74E-08	8.16E-04	2.57E-07	7.49E-08
5363	495363.09, 3866377.25	4.96E-04	1.57E-07	4.56E-08	5.35E-04	1.69E-07	4.92E-08	8.47E-04	2.67E-07	7.78E-08
5364	495863.09, 3866377.25	5.23E-04	1.65E-07	4.80E-08	5.64E-04	1.78E-07	5.18E-08	8.94E-04	2.82E-07	8.21E-08

5365	496363.09, 3866377.25	5.28E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	9.04E-04	2.85E-07	8.30E-08
5366	496863.09, 3866377.25	5.08E-04	1.60E-07	4.66E-08	5.48E-04	1.73E-07	5.03E-08	8.70E-04	2.74E-07	7.98E-08
5367	497363.09, 3866377.25	4.84E-04	1.53E-07	4.44E-08	5.22E-04	1.65E-07	4.80E-08	8.29E-04	2.62E-07	7.61E-08
5368	497863.09, 3866377.25	4.62E-04	1.46E-07	4.24E-08	4.99E-04	1.57E-07	4.58E-08	7.91E-04	2.50E-07	7.26E-08
5369	498363.09, 3866377.25	4.17E-04	1.32E-07	3.83E-08	4.50E-04	1.42E-07	4.14E-08	7.14E-04	2.25E-07	6.55E-08
5370	474494.92, 3848334.16	2.85E-04	8.99E-08	2.62E-08	3.07E-04	9.70E-08	2.82E-08	4.85E-04	1.53E-07	4.45E-08
5371	475167.27, 3848920.79	3.25E-04	1.03E-07	2.99E-08	3.51E-04	1.11E-07	3.22E-08	5.54E-04	1.75E-07	5.08E-08
5372	475297.89, 3848997.96	3.31E-04	1.04E-07	3.04E-08	3.57E-04	1.13E-07	3.28E-08	5.63E-04	1.78E-07	5.17E-08
5373	475439.05, 3849062	3.27E-04	1.03E-07	3.00E-08	3.53E-04	1.11E-07	3.24E-08	5.57E-04	1.76E-07	5.11E-08
5374	475486.86, 3849061.09	3.24E-04	1.02E-07	2.98E-08	3.49E-04	1.10E-07	3.21E-08	5.52E-04	1.74E-07	5.06E-08
5375	475538.46, 3849075.56	3.26E-04	1.03E-07	2.99E-08	3.52E-04	1.11E-07	3.23E-08	5.55E-04	1.75E-07	5.09E-08
5376	475751.79, 3849137.15	3.41E-04	1.08E-07	3.13E-08	3.67E-04	1.16E-07	3.37E-08	5.79E-04	1.83E-07	5.32E-08
5377	476303.62, 3849223.38	3.47E-04	1.10E-07	3.19E-08	3.74E-04	1.18E-07	3.44E-08	5.89E-04	1.86E-07	5.41E-08
5378	476304.51, 3849238.92	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.94E-04	1.87E-07	5.45E-08
5379	476365.04, 3849247.98	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.93E-04	1.87E-07	5.45E-08
5380	476444.86, 3849267.13	3.48E-04	1.10E-07	3.19E-08	3.75E-04	1.18E-07	3.44E-08	5.90E-04	1.86E-07	5.42E-08
5381	476550.75, 3849300.66	3.52E-04	1.11E-07	3.23E-08	3.79E-04	1.20E-07	3.48E-08	5.97E-04	1.88E-07	5.48E-08
5382	476656.71, 3849346.88	3.55E-04	1.12E-07	3.26E-08	3.83E-04	1.21E-07	3.52E-08	6.03E-04	1.90E-07	5.53E-08
5383	476873.55, 3849454.53	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.63E-08	6.22E-04	1.96E-07	5.71E-08
5384	477700, 3849859.7	4.29E-04	1.35E-07	3.94E-08	4.62E-04	1.46E-07	4.24E-08	7.25E-04	2.29E-07	6.65E-08
5385	477743.16, 3849856.38	4.28E-04	1.35E-07	3.93E-08	4.62E-04	1.46E-07	4.24E-08	7.24E-04	2.29E-07	6.65E-08
5386	478477.35, 3850216.33	5.34E-04	1.69E-07	4.90E-08	5.76E-04	1.82E-07	5.28E-08	9.05E-04	2.86E-07	8.31E-08
5387	478485.8, 3850201.6	5.39E-04	1.70E-07	4.95E-08	5.81E-04	1.83E-07	5.34E-08	9.15E-04	2.89E-07	8.40E-08
5388	479113.21, 3850501.53	7.29E-04	2.30E-07	6.69E-08	7.86E-04	2.48E-07	7.22E-08	1.24E-03	3.91E-07	1.14E-07
5389	479108.11, 3850382.28	7.40E-04	2.34E-07	6.80E-08	7.98E-04	2.52E-07	7.33E-08	1.26E-03	3.98E-07	1.16E-07
5390	479689.85, 3850674.28	8.63E-04	2.72E-07	7.92E-08	9.31E-04	2.94E-07	8.55E-08	1.47E-03	4.65E-07	1.35E-07
5391	479952.42, 3850774.28	8.98E-04	2.83E-07	8.24E-08	9.69E-04	3.06E-07	8.89E-08	1.53E-03	4.84E-07	1.41E-07
5392	479911.32, 3850884.85	9.32E-04	2.94E-07	8.55E-08	1.01E-03	3.17E-07	9.23E-08	1.59E-03	5.02E-07	1.46E-07
5393	480500.92, 3851178.12	1.04E-03	3.27E-07	9.51E-08	1.12E-03	3.53E-07	1.03E-07	1.76E-03	5.56E-07	1.62E-07
5394	480738.01, 3851289.27	1.06E-03	3.35E-07	9.76E-08	1.15E-03	3.62E-07	1.05E-07	1.80E-03	5.69E-07	1.65E-07
5395	481055.42, 3851443.58	1.10E-03	3.47E-07	1.01E-07	1.18E-03	3.74E-07	1.09E-07	1.86E-03	5.86E-07	1.71E-07
5396	481110.22, 3851443.15	1.09E-03	3.43E-07	9.99E-08	1.17E-03	3.70E-07	1.08E-07	1.84E-03	5.80E-07	1.69E-07
5397	481111.1, 3851417.45	1.07E-03	3.38E-07	9.83E-08	1.15E-03	3.64E-07	1.06E-07	1.81E-03	5.72E-07	1.66E-07
5398	482248.44, 3852605.09	1.85E-03	5.85E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.11E-03	9.81E-07	2.85E-07
5399	482273.34, 3852632.31	1.88E-03	5.93E-07	1.73E-07	2.02E-03	6.39E-07	1.86E-07	3.15E-03	9.96E-07	2.90E-07
5400	482665.46, 3853038.72	2.51E-03	7.91E-07	2.30E-07	2.70E-03	8.51E-07	2.48E-07	4.18E-03	1.32E-06	3.84E-07
5401	483077.95, 3853844.31	1.72E-02	5.44E-06	1.58E-06	1.86E-02	5.87E-06	1.71E-06	2.93E-02	9.26E-06	2.69E-06
5402	483121.38, 3853909.38	1.88E-02	5.94E-06	1.73E-06	2.04E-02	6.44E-06	1.87E-06	3.32E-02	1.05E-05	3.05E-06
5403	483492.64, 3853911.49	1.11E-02	3.50E-06	1.02E-06	1.20E-02	3.79E-06	1.10E-06	1.95E-02	6.17E-06	1.79E-06
5404	483498.29, 3854204.73	2.03E-02	6.41E-06	1.86E-06	2.21E-02	6.99E-06	2.03E-06	3.76E-02	1.19E-05	3.45E-06
5405	484132.44, 3854662.55	1.96E-02	6.20E-06	1.80E-06	2.12E-02	6.69E-06	1.94E-06	3.36E-02	1.06E-05	3.09E-06
5406	484627.62, 3854876.13	2.32E-02	7.33E-06	2.13E-06	2.50E-02	7.88E-06	2.29E-06	3.89E-02	1.23E-05	3.57E-06
5407	484756.14, 3854949.04	2.49E-02	7.85E-06	2.28E-06	2.68E-02	8.45E-06	2.46E-06	4.17E-02	1.31E-05	3.82E-06
5408	486697.51, 3856599.17	3.94E-02	1.24E-05	3.62E-06	4.26E-02	1.34E-05	3.91E-06	6.82E-02	2.15E-05	6.26E-06
5409	487105.31, 3856962.27	4.64E-02	1.46E-05	4.26E-06	5.01E-02	1.58E-05	4.60E-06	8.03E-02	2.54E-05	7.37E-06
5410	487157.57, 3856901.7	4.22E-02	1.33E-05	3.88E-06	4.56E-02	1.44E-05	4.19E-06	7.31E-02	2.31E-05	6.71E-06
5411	487173.5, 3856853.74	4.00E-02	1.26E-05	3.67E-06	4.32E-02	1.36E-05	3.97E-06	6.92E-02	2.18E-05	6.35E-06
5412	487564.41, 3856860.83	3.29E-02	1.04E-05	3.02E-06	3.56E-02	1.12E-05	3.27E-06	5.69E-02	1.80E-05	5.23E-06
5413	487563.31, 3856931.58	3.47E-02	1.10E-05	3.19E-06	3.75E-02	1.18E-05	3.44E-06	6.01E-02	1.90E-05	5.52E-06
5414	487782.7, 3856926.85	3.12E-02	9.86E-06	2.87E-06	3.37E-02	1.07E-05	3.10E-06	5.40E-02	1.70E-05	4.96E-06
5415	487782.39, 3856757.07	2.80E-02	8.84E-06	2.57E-06	3.03E-02	9.55E-06	2.78E-06	4.84E-02	1.53E-05	4.44E-06
5416	487917.26, 3856752.41	2.66E-02	8.40E-06	2.44E-06	2.88E-02	9.07E-06	2.64E-06	4.60E-02	1.45E-05	4.22E-06
5417	487919.57, 3856953.35	2.99E-02	9.44E-06	2.75E-06	3.23E-02	1.02E-05	2.97E-06	5.18E-02	1.63E-05	4.75E-06
5418	487932.76, 3857000.32	3.05E-02	9.63E-06	2.80E-06	3.30E-02	1.04E-05	3.03E-06	5.28E-02	1.67E-05	4.85E-06
5419	487960.5, 3857044.75	3.09E-02	9.76E-06	2.84E-06	3.34E-02	1.05E-05	3.07E-06	5.35E-02	1.69E-05	4.91E-06
5420	488016.54, 3857089.54	3.09E-02	9.75E-06	2.83E-06	3.34E-02	1.05E-05	3.06E-06	5.35E-02	1.69E-05	4.91E-06
5421	488114.39, 3857165.47	3.09E-02	9.75E-06	2.84E-06	3.34E-02	1.05E-05	3.07E-06	5.36E-02	1.69E-05	4.92E-06
5422	488171.49, 3857234.24	3.11E-02	9.83E-06	2.86E-06	3.37E-02	1.06E-05	3.09E-06	5.41E-02	1.71E-05	4.97E-06
5423	488193.16, 3857297.8	3.18E-02	1.00E-05	2.92E-06	3.44E-02	1.09E-05	3.16E-06	5.53E-02	1.75E-05	5.08E-06
5424	488189.27, 3857649.94	3.78E-02	1.19E-05	3.47E-06	4.09E-02	1.29E-05	3.75E-06	6.59E-02	2.08E-05	6.05E-06
5425	488127.43, 3857732.32	4.13E-02	1.30E-05	3.79E-06	4.47E-02	1.41E-05	4.11E-06	7.23E-02	2.28E-05	6.64E-06

5426	488149.93, 3857752.94	4.10E-02	1.30E-05	3.77E-06	4.44E-02	1.40E-05	4.08E-06	7.18E-02	2.27E-05	6.59E-06
5427	488144.76, 3857758.71	4.13E-02	1.31E-05	3.80E-06	4.48E-02	1.41E-05	4.11E-06	7.24E-02	2.28E-05	6.64E-06
5428	488335.58, 3857932.55	3.79E-02	1.20E-05	3.48E-06	4.11E-02	1.30E-05	3.77E-06	6.63E-02	2.09E-05	6.09E-06
5429	488372.29, 3857943.79	3.69E-02	1.17E-05	3.39E-06	4.00E-02	1.26E-05	3.67E-06	6.46E-02	2.04E-05	5.93E-06
5430	488828.64, 3857936.4	2.69E-02	8.50E-06	2.47E-06	2.91E-02	9.19E-06	2.67E-06	4.69E-02	1.48E-05	4.30E-06
5431	488829.08, 3857959.58	2.70E-02	8.51E-06	2.48E-06	2.92E-02	9.21E-06	2.68E-06	4.69E-02	1.48E-05	4.31E-06
5432	488351.61, 3857964.55	3.78E-02	1.19E-05	3.47E-06	4.09E-02	1.29E-05	3.76E-06	6.62E-02	2.09E-05	6.08E-06
5433	488316.87, 3857947.65	3.87E-02	1.22E-05	3.56E-06	4.19E-02	1.32E-05	3.85E-06	6.78E-02	2.14E-05	6.23E-06
5434	488129.1, 3857775.77	4.23E-02	1.33E-05	3.88E-06	4.58E-02	1.44E-05	4.20E-06	7.41E-02	2.34E-05	6.80E-06
5435	488062.53, 3857846.13	4.67E-02	1.47E-05	4.29E-06	5.06E-02	1.60E-05	4.64E-06	8.22E-02	2.59E-05	7.54E-06
5436	488330.41, 3858091.34	4.07E-02	1.28E-05	3.74E-06	4.41E-02	1.39E-05	4.05E-06	7.15E-02	2.26E-05	6.56E-06
5437	488470.87, 3858174.45	3.62E-02	1.14E-05	3.32E-06	3.91E-02	1.24E-05	3.59E-06	6.32E-02	2.00E-05	5.80E-06
5438	488568.9, 3858262.31	3.20E-02	1.01E-05	2.94E-06	3.46E-02	1.09E-05	3.18E-06	5.56E-02	1.75E-05	5.10E-06
5439	488964.27, 3858025.71	2.48E-02	7.83E-06	2.28E-06	2.68E-02	8.47E-06	2.46E-06	4.32E-02	1.36E-05	3.96E-06
5440	489147.25, 3857956.64	2.26E-02	7.12E-06	2.07E-06	2.44E-02	7.70E-06	2.24E-06	3.93E-02	1.24E-05	3.61E-06
5441	489343.52, 3857932.45	2.05E-02	6.47E-06	1.88E-06	2.22E-02	7.00E-06	2.04E-06	3.57E-02	1.13E-05	3.28E-06
5442	489866.19, 3857923.19	1.62E-02	5.12E-06	1.49E-06	1.75E-02	5.54E-06	1.61E-06	2.82E-02	8.89E-06	2.59E-06
5443	489955.65, 3857902.27	1.57E-02	4.95E-06	1.44E-06	1.70E-02	5.35E-06	1.56E-06	2.72E-02	8.60E-06	2.50E-06
5444	490079.44, 3857847.9	1.51E-02	4.76E-06	1.39E-06	1.63E-02	5.15E-06	1.50E-06	2.62E-02	8.27E-06	2.41E-06
5445	490108.49, 3857934.13	1.47E-02	4.64E-06	1.35E-06	1.59E-02	5.01E-06	1.46E-06	2.55E-02	8.04E-06	2.34E-06
5446	489884.48, 3858014.17	1.58E-02	4.98E-06	1.45E-06	1.71E-02	5.39E-06	1.57E-06	2.74E-02	8.65E-06	2.51E-06
5447	489326.56, 3858025.86	2.04E-02	6.43E-06	1.87E-06	2.20E-02	6.95E-06	2.02E-06	3.54E-02	1.12E-05	3.25E-06
5448	489130.38, 3858056.71	2.25E-02	7.10E-06	2.07E-06	2.43E-02	7.68E-06	2.23E-06	3.92E-02	1.24E-05	3.60E-06
5449	488936.49, 3858143.93	2.48E-02	7.82E-06	2.27E-06	2.68E-02	8.45E-06	2.46E-06	4.30E-02	1.36E-05	3.95E-06
5450	488638.08, 3858327.45	2.88E-02	9.08E-06	2.64E-06	3.11E-02	9.80E-06	2.85E-06	4.96E-02	1.57E-05	4.56E-06
5451	488663.79, 3858349.57	2.76E-02	8.70E-06	2.53E-06	2.98E-02	9.40E-06	2.73E-06	4.74E-02	1.50E-05	4.36E-06
5452	488694.56, 3858349.5	2.68E-02	8.46E-06	2.46E-06	2.90E-02	9.14E-06	2.66E-06	4.61E-02	1.46E-05	4.23E-06
5453	488694.35, 3858336.75	2.71E-02	8.56E-06	2.49E-06	2.93E-02	9.24E-06	2.69E-06	4.67E-02	1.47E-05	4.29E-06
5454	488712.81, 3858336.38	2.67E-02	8.42E-06	2.45E-06	2.88E-02	9.09E-06	2.65E-06	4.60E-02	1.45E-05	4.22E-06
5455	488713.23, 3858367.46	2.59E-02	8.19E-06	2.38E-06	2.80E-02	8.84E-06	2.57E-06	4.45E-02	1.40E-05	4.09E-06
5456	488704.63, 3858384.05	2.57E-02	8.11E-06	2.36E-06	2.77E-02	8.76E-06	2.55E-06	4.40E-02	1.39E-05	4.04E-06
5457	488604.15, 3858488.29	2.48E-02	7.83E-06	2.28E-06	2.67E-02	8.42E-06	2.45E-06	4.10E-02	1.29E-05	3.76E-06
5458	488605.66, 3858550.47	2.31E-02	7.30E-06	2.12E-06	2.47E-02	7.81E-06	2.27E-06	3.68E-02	1.16E-05	3.38E-06
5459	488692.68, 3858548.71	2.16E-02	6.81E-06	1.98E-06	2.31E-02	7.30E-06	2.12E-06	3.48E-02	1.10E-05	3.19E-06
5460	488759.93, 3858461.81	2.26E-02	7.14E-06	2.08E-06	2.43E-02	7.68E-06	2.23E-06	3.79E-02	1.20E-05	3.48E-06
5461	488816.57, 3858541.79	2.00E-02	6.30E-06	1.83E-06	2.14E-02	6.76E-06	1.97E-06	3.27E-02	1.03E-05	3.00E-06
5462	488944.63, 3858656.77	1.69E-02	5.33E-06	1.55E-06	1.80E-02	5.69E-06	1.66E-06	2.66E-02	8.40E-06	2.44E-06
5463	489134.91, 3858830.7	1.33E-02	4.19E-06	1.22E-06	1.41E-02	4.46E-06	1.30E-06	2.03E-02	6.42E-06	1.87E-06
5464	489193.99, 3858886.05	1.17E-02	3.69E-06	1.07E-06	1.25E-02	3.94E-06	1.14E-06	1.82E-02	5.74E-06	1.67E-06
5465	489295.2, 3858954.34	9.89E-03	3.12E-06	9.08E-07	1.06E-02	3.34E-06	9.72E-07	1.58E-02	4.99E-06	1.45E-06
5466	489295.64, 3858992.74	9.25E-03	2.92E-06	8.49E-07	9.91E-03	3.13E-06	9.10E-07	1.49E-02	4.69E-06	1.36E-06
5467	489183.74, 3858911.72	1.12E-02	3.55E-06	1.03E-06	1.20E-02	3.78E-06	1.10E-06	1.75E-02	5.52E-06	1.61E-06
5468	488873.37, 3858625.59	1.80E-02	5.67E-06	1.65E-06	1.92E-02	6.07E-06	1.76E-06	2.85E-02	8.99E-06	2.62E-06
5469	488842.84, 3858658.69	1.80E-02	5.69E-06	1.66E-06	1.92E-02	6.07E-06	1.77E-06	2.79E-02	8.80E-06	2.56E-06
5470	488856.39, 3858670.93	1.78E-02	5.61E-06	1.63E-06	1.90E-02	5.98E-06	1.74E-06	2.74E-02	8.65E-06	2.51E-06
5471	488805.7, 3858724.5	1.88E-02	5.92E-06	1.72E-06	1.99E-02	6.28E-06	1.83E-06	2.74E-02	8.64E-06	2.51E-06
5472	488805.87, 3858804.16	2.16E-02	6.83E-06	1.99E-06	2.27E-02	7.17E-06	2.08E-06	2.88E-02	9.09E-06	2.64E-06
5473	488995.78, 3858936.96	1.21E-02	3.82E-06	1.11E-06	1.29E-02	4.06E-06	1.18E-06	1.80E-02	5.69E-06	1.66E-06
5474	489130.76, 3859017.38	9.09E-03	2.87E-06	8.34E-07	9.72E-03	3.07E-06	8.93E-07	1.44E-02	4.56E-06	1.33E-06
5475	489130.92, 3859052.24	8.41E-03	2.65E-06	7.72E-07	9.01E-03	2.84E-06	8.27E-07	1.35E-02	4.27E-06	1.24E-06
5476	489200.33, 3859090.6	7.80E-03	2.46E-06	7.16E-07	8.36E-03	2.64E-06	7.68E-07	1.27E-02	4.00E-06	1.16E-06
5477	489296.07, 3859143.7	7.14E-03	2.25E-06	6.55E-07	7.66E-03	2.42E-06	7.04E-07	1.17E-02	3.70E-06	1.08E-06
5478	489296.43, 3858954.74	9.88E-03	3.12E-06	9.07E-07	1.06E-02	3.34E-06	9.71E-07	1.58E-02	4.98E-06	1.45E-06
5479	489410.33, 3859033.19	8.48E-03	2.68E-06	7.78E-07	9.09E-03	2.87E-06	8.35E-07	1.38E-02	4.36E-06	1.27E-06
5480	489371.37, 3859089.8	7.79E-03	2.46E-06	7.15E-07	8.36E-03	2.64E-06	7.67E-07	1.27E-02	4.02E-06	1.17E-06
5481	489390.52, 3859102.82	7.62E-03	2.41E-06	7.00E-07	8.19E-03	2.58E-06	7.52E-07	1.25E-02	3.95E-06	1.15E-06
5482	489382.3, 3859114.53	7.49E-03	2.36E-06	6.88E-07	8.04E-03	2.54E-06	7.38E-07	1.23E-02	3.88E-06	1.13E-06
5483	489363.04, 3859102.45	7.64E-03	2.41E-06	7.01E-07	8.20E-03	2.59E-06	7.53E-07	1.25E-02	3.95E-06	1.15E-06
5484	489337.52, 3859140.71	7.18E-03	2.27E-06	6.60E-07	7.72E-03	2.44E-06	7.08E-07	1.18E-02	3.73E-06	1.08E-06
5485	489375.14, 3859164.55	6.93E-03	2.19E-06	6.37E-07	7.45E-03	2.35E-06	6.84E-07	1.14E-02	3.61E-06	1.05E-06
5486	489409.3, 3859114.5	7.49E-03	2.36E-06	6.87E-07	8.04E-03	2.54E-06	7.38E-07	1.23E-02	3.88E-06	1.13E-06

5487	489434.87, 3859131.81	7.29E-03	2.30E-06	6.69E-07	7.83E-03	2.47E-06	7.19E-07	1.20E-02	3.79E-06	1.10E-06
5488	489471.87, 3859075.75	7.90E-03	2.49E-06	7.25E-07	8.48E-03	2.68E-06	7.79E-07	1.30E-02	4.09E-06	1.19E-06
5489	489602.62, 3859164.69	6.94E-03	2.19E-06	6.37E-07	7.47E-03	2.36E-06	6.85E-07	1.15E-02	3.64E-06	1.06E-06
5490	489558.29, 3859232.45	6.36E-03	2.01E-06	5.83E-07	6.84E-03	2.16E-06	6.28E-07	1.06E-02	3.34E-06	9.71E-07
5491	489620.11, 3859273.56	6.04E-03	1.91E-06	5.55E-07	6.50E-03	2.05E-06	5.97E-07	1.01E-02	3.18E-06	9.25E-07
5492	489666.06, 3859206.42	6.58E-03	2.08E-06	6.04E-07	7.07E-03	2.23E-06	6.49E-07	1.10E-02	3.46E-06	1.01E-06
5493	489787.9, 3859285.65	5.98E-03	1.89E-06	5.49E-07	6.44E-03	2.03E-06	5.91E-07	1.00E-02	3.16E-06	9.20E-07
5494	489752.17, 3859343.13	5.59E-03	1.76E-06	5.13E-07	6.02E-03	1.90E-06	5.53E-07	9.37E-03	2.96E-06	8.60E-07
5495	489814.94, 3859385.33	5.35E-03	1.69E-06	4.91E-07	5.76E-03	1.82E-06	5.29E-07	8.98E-03	2.83E-06	8.24E-07
5496	489853.42, 3859330.74	5.69E-03	1.80E-06	5.23E-07	6.13E-03	1.93E-06	5.63E-07	9.56E-03	3.02E-06	8.77E-07
5497	489969.5, 3859401.91	5.29E-03	1.67E-06	4.86E-07	5.70E-03	1.80E-06	5.23E-07	8.90E-03	2.81E-06	8.17E-07
5498	490166.91, 3859486.96	4.88E-03	1.54E-06	4.48E-07	5.25E-03	1.66E-06	4.82E-07	8.23E-03	2.60E-06	7.56E-07
5499	490128.86, 3859571.46	4.47E-03	1.41E-06	4.11E-07	4.82E-03	1.52E-06	4.42E-07	7.55E-03	2.38E-06	6.93E-07
5500	490186.65, 3859593.65	4.39E-03	1.39E-06	4.03E-07	4.74E-03	1.49E-06	4.35E-07	7.43E-03	2.34E-06	6.82E-07
5501	490223.74, 3859517.48	4.74E-03	1.50E-06	4.36E-07	5.11E-03	1.61E-06	4.69E-07	8.02E-03	2.53E-06	7.36E-07
5502	490846.34, 3859817.22	3.79E-03	1.20E-06	3.48E-07	4.08E-03	1.29E-06	3.75E-07	6.44E-03	2.03E-06	5.91E-07
5503	490925.65, 3859844.59	3.72E-03	1.17E-06	3.42E-07	4.01E-03	1.27E-06	3.69E-07	6.34E-03	2.00E-06	5.82E-07
5504	491159.29, 3859896.28	3.59E-03	1.13E-06	3.30E-07	3.87E-03	1.22E-06	3.56E-07	6.12E-03	1.93E-06	5.62E-07
5505	491370.69, 3859960.89	3.42E-03	1.08E-06	3.14E-07	3.69E-03	1.16E-06	3.39E-07	5.83E-03	1.84E-06	5.36E-07
5506	491330.28, 3860063.17	3.16E-03	9.98E-07	2.90E-07	3.41E-03	1.08E-06	3.13E-07	5.39E-03	1.70E-06	4.95E-07
5507	491636.45, 3860180.75	2.96E-03	9.34E-07	2.72E-07	3.19E-03	1.01E-06	2.93E-07	5.05E-03	1.59E-06	4.64E-07
5508	491617.94, 3860203.93	2.91E-03	9.18E-07	2.67E-07	3.14E-03	9.91E-07	2.88E-07	4.96E-03	1.57E-06	4.56E-07
5509	491805.68, 3860271.59	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.55E-07	2.78E-07	4.79E-03	1.51E-06	4.39E-07
5510	491654.23, 3860414.02	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.32E-03	1.36E-06	3.96E-07
5511	491592.62, 3860510.76	2.34E-03	7.40E-07	2.15E-07	2.53E-03	7.98E-07	2.32E-07	4.00E-03	1.26E-06	3.67E-07
5512	491475.41, 3860368.93	2.55E-03	8.03E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.34E-03	1.37E-06	3.98E-07
5513	491445.61, 3860337.28	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.42E-03	1.40E-06	4.06E-07
5514	491399.05, 3860300.37	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.53E-03	1.43E-06	4.16E-07
5515	491228.84, 3860235.98	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.34E-07	2.72E-07	4.67E-03	1.47E-06	4.29E-07
5516	491228.47, 3860174.57	2.88E-03	9.09E-07	2.64E-07	3.10E-03	9.80E-07	2.85E-07	4.90E-03	1.55E-06	4.50E-07
5517	491145.77, 3860112.55	3.01E-03	9.50E-07	2.76E-07	3.25E-03	1.02E-06	2.98E-07	5.12E-03	1.62E-06	4.70E-07
5518	490844.41, 3859966.22	3.34E-03	1.05E-06	3.06E-07	3.60E-03	1.14E-06	3.30E-07	5.68E-03	1.79E-06	5.21E-07
5519	490845.55, 3859928.15	3.45E-03	1.09E-06	3.16E-07	3.72E-03	1.17E-06	3.41E-07	5.86E-03	1.85E-06	5.38E-07
5520	490046.91, 3859625.6	4.21E-03	1.33E-06	3.87E-07	4.54E-03	1.43E-06	4.17E-07	7.12E-03	2.25E-06	6.54E-07
5521	489970.48, 3859589.4	4.34E-03	1.37E-06	3.99E-07	4.68E-03	1.48E-06	4.30E-07	7.34E-03	2.32E-06	6.74E-07
5522	489865.89, 3859529.06	4.59E-03	1.45E-06	4.21E-07	4.94E-03	1.56E-06	4.54E-07	7.74E-03	2.44E-06	7.11E-07
5523	489826.89, 3859531.74	4.56E-03	1.44E-06	4.19E-07	4.92E-03	1.55E-06	4.51E-07	7.70E-03	2.43E-06	7.07E-07
5524	489410.47, 3859303.06	5.72E-03	1.81E-06	5.26E-07	6.16E-03	1.94E-06	5.66E-07	9.57E-03	3.02E-06	8.78E-07
5525	489407.15, 3859286.09	5.85E-03	1.85E-06	5.37E-07	6.29E-03	1.99E-06	5.78E-07	9.76E-03	3.08E-06	8.96E-07
5526	488806.07, 3858963.62	1.07E-02	3.37E-06	9.81E-07	1.14E-02	3.59E-06	1.04E-06	1.63E-02	5.14E-06	1.50E-06
5527	488817.64, 3859546.3	4.72E-03	1.49E-06	4.33E-07	5.08E-03	1.60E-06	4.66E-07	7.94E-03	2.50E-06	7.28E-07
5528	489187.25, 3859549.52	4.64E-03	1.46E-06	4.26E-07	5.00E-03	1.58E-06	4.59E-07	7.82E-03	2.47E-06	7.18E-07
5529	489187.66, 3859523.74	4.73E-03	1.49E-06	4.34E-07	5.10E-03	1.61E-06	4.68E-07	7.97E-03	2.52E-06	7.32E-07
5530	489232.59, 3859522.85	4.72E-03	1.49E-06	4.33E-07	5.08E-03	1.60E-06	4.67E-07	7.95E-03	2.51E-06	7.30E-07
5531	489224.98, 3859759.91	3.99E-03	1.26E-06	3.66E-07	4.30E-03	1.36E-06	3.94E-07	6.75E-03	2.13E-06	6.19E-07
5532	488401.39, 3859763.34	3.82E-03	1.21E-06	3.51E-07	4.11E-03	1.30E-06	3.77E-07	6.42E-03	2.03E-06	5.89E-07
5533	488405.51, 3859966.16	3.31E-03	1.04E-06	3.04E-07	3.56E-03	1.12E-06	3.27E-07	5.57E-03	1.76E-06	5.11E-07
5534	489202.85, 3859956.57	3.50E-03	1.11E-06	3.22E-07	3.78E-03	1.19E-06	3.47E-07	5.94E-03	1.87E-06	5.45E-07
5535	489191.9, 3860676.74	2.27E-03	7.17E-07	2.08E-07	2.45E-03	7.72E-07	2.25E-07	3.85E-03	1.21E-06	3.53E-07
5536	488392.82, 3860687.88	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.48E-07	2.17E-07	3.71E-03	1.17E-06	3.41E-07
5537	488392.82, 3860760.27	2.13E-03	6.74E-07	1.96E-07	2.30E-03	7.26E-07	2.11E-07	3.61E-03	1.14E-06	3.31E-07
5538	487549.05, 3860777.45	2.04E-03	6.43E-07	1.87E-07	2.20E-03	6.93E-07	2.02E-07	3.43E-03	1.08E-06	3.15E-07
5539	487554.62, 3859571.83	4.17E-03	1.32E-06	3.83E-07	4.49E-03	1.42E-06	4.12E-07	6.99E-03	2.21E-06	6.42E-07
5540	485949.46, 3859558.54	3.67E-03	1.16E-06	3.37E-07	3.96E-03	1.25E-06	3.63E-07	6.19E-03	1.95E-06	5.68E-07
5541	485947.55, 3857943.61	1.35E-02	4.26E-06	1.24E-06	1.45E-02	4.59E-06	1.33E-06	2.27E-02	7.16E-06	2.08E-06
5542	484738.38, 3857940.21	7.46E-03	2.36E-06	6.85E-07	8.04E-03	2.54E-06	7.38E-07	1.26E-02	3.97E-06	1.16E-06
5543	484737.06, 3857535.68	9.62E-03	3.04E-06	8.83E-07	1.04E-02	3.27E-06	9.51E-07	1.62E-02	5.11E-06	1.49E-06
5544	483730.2, 3857530.13	6.41E-03	2.02E-06	5.89E-07	6.91E-03	2.18E-06	6.34E-07	1.08E-02	3.42E-06	9.95E-07
5545	483727.27, 3857130.01	7.79E-03	2.46E-06	7.15E-07	8.39E-03	2.65E-06	7.70E-07	1.32E-02	4.15E-06	1.21E-06
5546	483124.42, 3857123.45	6.13E-03	1.94E-06	5.63E-07	6.61E-03	2.09E-06	6.07E-07	1.04E-02	3.28E-06	9.54E-07
5547	483111.13, 3855921.03	1.05E-02	3.30E-06	9.61E-07	1.13E-02	3.56E-06	1.04E-06	1.78E-02	5.61E-06	1.63E-06

5548	482701.73, 3855918.24	8.20E-03	2.59E-06	7.53E-07	8.85E-03	2.79E-06	8.12E-07	1.40E-02	4.41E-06	1.28E-06
5549	482668.02, 3853521.78	5.39E-03	1.70E-06	4.95E-07	5.75E-03	1.81E-06	5.28E-07	8.35E-03	2.64E-06	7.67E-07
5550	482579.91, 3853219.19	3.05E-03	9.61E-07	2.80E-07	3.27E-03	1.03E-06	3.01E-07	5.05E-03	1.59E-06	4.63E-07
5551	482434.06, 3852961.94	2.39E-03	7.54E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.00E-03	1.26E-06	3.67E-07
5552	482332.11, 3852832.85	2.18E-03	6.87E-07	2.00E-07	2.35E-03	7.40E-07	2.15E-07	3.66E-03	1.15E-06	3.36E-07
5553	481334.99, 3851818.96	1.30E-03	4.10E-07	1.19E-07	1.40E-03	4.42E-07	1.29E-07	2.20E-03	6.93E-07	2.02E-07
5554	481127.62, 3851646.36	1.22E-03	3.84E-07	1.12E-07	1.31E-03	4.14E-07	1.20E-07	2.06E-03	6.50E-07	1.89E-07
5555	481025.04, 3851591.73	1.20E-03	3.78E-07	1.10E-07	1.29E-03	4.08E-07	1.19E-07	2.03E-03	6.40E-07	1.86E-07
5556	480513.6, 3851335.76	1.11E-03	3.50E-07	1.02E-07	1.20E-03	3.78E-07	1.10E-07	1.89E-03	5.95E-07	1.73E-07
5557	480523.56, 3851317.66	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.87E-03	5.91E-07	1.72E-07
5558	476921.56, 3849569.11	3.89E-04	1.23E-07	3.57E-08	4.19E-04	1.32E-07	3.85E-08	6.58E-04	2.08E-07	6.04E-08
5559	476521.19, 3849373.96	3.68E-04	1.16E-07	3.38E-08	3.97E-04	1.25E-07	3.65E-08	6.25E-04	1.97E-07	5.74E-08
5560	476391.45, 3849333.38	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.64E-08	6.23E-04	1.97E-07	5.72E-08
5561	476219.41, 3849304.29	3.69E-04	1.17E-07	3.39E-08	3.98E-04	1.26E-07	3.65E-08	6.26E-04	1.98E-07	5.75E-08
5562	475679.11, 3849218.47	3.61E-04	1.14E-07	3.32E-08	3.90E-04	1.23E-07	3.58E-08	6.14E-04	1.94E-07	5.64E-08
5563	475677.71, 3849233.88	3.64E-04	1.15E-07	3.34E-08	3.93E-04	1.24E-07	3.60E-08	6.19E-04	1.95E-07	5.68E-08
5564	475492.74, 3849204.66	3.21E-04	1.01E-07	2.95E-08	3.46E-04	1.09E-07	3.18E-08	5.47E-04	1.73E-07	5.02E-08
5565	475497.64, 3849158.75	3.33E-04	1.05E-07	3.05E-08	3.59E-04	1.13E-07	3.29E-08	5.66E-04	1.79E-07	5.20E-08
5566	475391.35, 3849141.94	3.46E-04	1.09E-07	3.17E-08	3.73E-04	1.18E-07	3.42E-08	5.88E-04	1.86E-07	5.40E-08
5567	475277, 3849095.47	3.46E-04	1.09E-07	3.18E-08	3.73E-04	1.18E-07	3.43E-08	5.89E-04	1.86E-07	5.40E-08
5568	475183.93, 3849025.66	3.39E-04	1.07E-07	3.12E-08	3.66E-04	1.16E-07	3.36E-08	5.78E-04	1.82E-07	5.30E-08
5569	474453.23, 3848378.77	2.93E-04	9.26E-08	2.69E-08	3.16E-04	9.98E-08	2.90E-08	4.99E-04	1.57E-07	4.58E-08
5570	474569.63, 3848399.34	2.90E-04	9.14E-08	2.66E-08	3.12E-04	9.86E-08	2.87E-08	4.93E-04	1.55E-07	4.52E-08
5571	474644.33, 3848464.52	2.95E-04	9.30E-08	2.71E-08	3.18E-04	1.00E-07	2.92E-08	5.01E-04	1.58E-07	4.60E-08
5572	474719.04, 3848529.7	2.99E-04	9.45E-08	2.75E-08	3.23E-04	1.02E-07	2.96E-08	5.09E-04	1.61E-07	4.68E-08
5573	474793.74, 3848594.88	3.01E-04	9.51E-08	2.77E-08	3.25E-04	1.03E-07	2.98E-08	5.13E-04	1.62E-07	4.71E-08
5574	474868.45, 3848660.07	3.01E-04	9.51E-08	2.77E-08	3.25E-04	1.03E-07	2.98E-08	5.13E-04	1.62E-07	4.71E-08
5575	474943.15, 3848725.25	3.04E-04	9.59E-08	2.79E-08	3.28E-04	1.03E-07	3.01E-08	5.17E-04	1.63E-07	4.75E-08
5576	475017.86, 3848790.43	3.10E-04	9.79E-08	2.85E-08	3.34E-04	1.06E-07	3.07E-08	5.28E-04	1.67E-07	4.85E-08
5577	475092.56, 3848855.61	3.18E-04	1.00E-07	2.92E-08	3.43E-04	1.08E-07	3.15E-08	5.41E-04	1.71E-07	4.97E-08
5578	475232.58, 3848959.38	3.28E-04	1.04E-07	3.02E-08	3.54E-04	1.12E-07	3.25E-08	5.59E-04	1.76E-07	5.13E-08
5579	475368.47, 3849029.98	3.31E-04	1.05E-07	3.04E-08	3.57E-04	1.13E-07	3.28E-08	5.64E-04	1.78E-07	5.17E-08
5580	475609.57, 3849096.09	3.30E-04	1.04E-07	3.03E-08	3.56E-04	1.12E-07	3.27E-08	5.61E-04	1.77E-07	5.15E-08
5581	475680.68, 3849116.62	3.39E-04	1.07E-07	3.11E-08	3.65E-04	1.15E-07	3.35E-08	5.76E-04	1.82E-07	5.28E-08
5582	475843.76, 3849151.52	3.46E-04	1.09E-07	3.17E-08	3.73E-04	1.18E-07	3.42E-08	5.87E-04	1.85E-07	5.39E-08
5583	475935.73, 3849165.89	3.53E-04	1.11E-07	3.24E-08	3.81E-04	1.20E-07	3.49E-08	5.99E-04	1.89E-07	5.50E-08
5584	476027.71, 3849180.27	3.57E-04	1.13E-07	3.28E-08	3.85E-04	1.22E-07	3.53E-08	6.06E-04	1.91E-07	5.56E-08
5585	476119.68, 3849194.64	3.50E-04	1.11E-07	3.22E-08	3.78E-04	1.19E-07	3.47E-08	5.95E-04	1.88E-07	5.46E-08
5586	476211.65, 3849209.01	3.48E-04	1.10E-07	3.20E-08	3.76E-04	1.19E-07	3.45E-08	5.91E-04	1.87E-07	5.43E-08
5587	476497.81, 3849283.9	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.94E-04	1.87E-07	5.45E-08
5588	476603.73, 3849323.77	3.54E-04	1.12E-07	3.25E-08	3.82E-04	1.20E-07	3.50E-08	6.00E-04	1.90E-07	5.51E-08
5589	476728.99, 3849382.76	3.60E-04	1.13E-07	3.30E-08	3.88E-04	1.22E-07	3.56E-08	6.10E-04	1.92E-07	5.60E-08
5590	476801.27, 3849418.65	3.64E-04	1.15E-07	3.34E-08	3.92E-04	1.24E-07	3.60E-08	6.16E-04	1.95E-07	5.66E-08
5591	476956.2, 3849495.05	3.73E-04	1.18E-07	3.42E-08	4.01E-04	1.27E-07	3.69E-08	6.31E-04	1.99E-07	5.79E-08
5592	477038.84, 3849535.56	3.75E-04	1.18E-07	3.44E-08	4.04E-04	1.28E-07	3.71E-08	6.35E-04	2.01E-07	5.83E-08
5593	477121.49, 3849576.08	3.80E-04	1.20E-07	3.49E-08	4.10E-04	1.29E-07	3.76E-08	6.44E-04	2.03E-07	5.91E-08
5594	477204.13, 3849616.6	3.84E-04	1.21E-07	3.52E-08	4.13E-04	1.30E-07	3.79E-08	6.49E-04	2.05E-07	5.96E-08
5595	477286.78, 3849657.12	3.81E-04	1.20E-07	3.50E-08	4.10E-04	1.30E-07	3.77E-08	6.45E-04	2.04E-07	5.92E-08
5596	477369.42, 3849697.63	3.94E-04	1.24E-07	3.62E-08	4.25E-04	1.34E-07	3.90E-08	6.67E-04	2.11E-07	6.13E-08
5597	477452.07, 3849738.15	3.99E-04	1.26E-07	3.66E-08	4.30E-04	1.36E-07	3.95E-08	6.75E-04	2.13E-07	6.20E-08
5598	477534.71, 3849778.67	4.11E-04	1.30E-07	3.77E-08	4.43E-04	1.40E-07	4.07E-08	6.95E-04	2.19E-07	6.38E-08
5599	477617.36, 3849819.18	4.17E-04	1.32E-07	3.83E-08	4.49E-04	1.42E-07	4.13E-08	7.05E-04	2.23E-07	6.47E-08
5600	477824.74, 3849896.37	4.41E-04	1.39E-07	4.05E-08	4.75E-04	1.50E-07	4.36E-08	7.45E-04	2.35E-07	6.84E-08
5601	477906.31, 3849936.37	4.40E-04	1.39E-07	4.04E-08	4.75E-04	1.50E-07	4.36E-08	7.45E-04	2.35E-07	6.84E-08
5602	477987.89, 3849976.36	4.55E-04	1.44E-07	4.18E-08	4.90E-04	1.55E-07	4.50E-08	7.70E-04	2.43E-07	7.07E-08
5603	478069.47, 3850016.36	4.60E-04	1.45E-07	4.22E-08	4.95E-04	1.56E-07	4.55E-08	7.78E-04	2.46E-07	7.15E-08
5604	478151.04, 3850056.35	4.66E-04	1.47E-07	4.28E-08	5.02E-04	1.58E-07	4.61E-08	7.89E-04	2.49E-07	7.25E-08
5605	478232.62, 3850096.35	4.80E-04	1.52E-07	4.41E-08	5.18E-04	1.63E-07	4.75E-08	8.14E-04	2.57E-07	7.47E-08
5606	478314.2, 3850136.34	4.97E-04	1.57E-07	4.56E-08	5.36E-04	1.69E-07	4.92E-08	8.42E-04	2.66E-07	7.73E-08
5607	478395.77, 3850176.34	5.15E-04	1.63E-07	4.73E-08	5.55E-04	1.75E-07	5.10E-08	8.73E-04	2.76E-07	8.01E-08
5608	478575.43, 3850244.45	5.63E-04	1.78E-07	5.17E-08	6.07E-04	1.92E-07	5.57E-08	9.56E-04	3.02E-07	8.77E-08

5609 478665.06, 3850287.29	5.88E-04	1.86E-07	5.40E-08	6.34E-04	2.00E-07	5.82E-08	9.98E-04	3.15E-07	9.17E-08
5610 478754.69, 3850330.14	6.15E-04	1.94E-07	5.65E-08	6.63E-04	2.09E-07	6.09E-08	1.04E-03	3.30E-07	9.59E-08
5611 478844.32, 3850372.99	6.44E-04	2.03E-07	5.92E-08	6.95E-04	2.19E-07	6.38E-08	1.09E-03	3.46E-07	1.00E-07
5612 478933.95, 3850415.84	6.75E-04	2.13E-07	6.20E-08	7.28E-04	2.30E-07	6.68E-08	1.15E-03	3.62E-07	1.05E-07
5613 479023.58, 3850458.68	6.99E-04	2.21E-07	6.42E-08	7.54E-04	2.38E-07	6.92E-08	1.19E-03	3.75E-07	1.09E-07
5614 479110.66, 3850441.91	7.37E-04	2.32E-07	6.76E-08	7.94E-04	2.51E-07	7.29E-08	1.25E-03	3.96E-07	1.15E-07
5615 479191.22, 3850423.99	7.64E-04	2.41E-07	7.01E-08	8.24E-04	2.60E-07	7.57E-08	1.30E-03	4.11E-07	1.20E-07
5616 479274.32, 3850465.71	7.84E-04	2.48E-07	7.20E-08	8.46E-04	2.67E-07	7.77E-08	1.34E-03	4.22E-07	1.23E-07
5617 479357.43, 3850507.42	8.01E-04	2.53E-07	7.36E-08	8.65E-04	2.73E-07	7.94E-08	1.37E-03	4.32E-07	1.26E-07
5618 479440.53, 3850549.14	8.16E-04	2.58E-07	7.49E-08	8.80E-04	2.78E-07	8.08E-08	1.39E-03	4.40E-07	1.28E-07
5619 479523.64, 3850590.85	8.31E-04	2.62E-07	7.63E-08	8.97E-04	2.83E-07	8.23E-08	1.42E-03	4.48E-07	1.30E-07
5620 479606.74, 3850632.57	8.48E-04	2.68E-07	7.78E-08	9.15E-04	2.89E-07	8.40E-08	1.45E-03	4.57E-07	1.33E-07
5621 479777.37, 3850707.61	8.75E-04	2.76E-07	8.03E-08	9.44E-04	2.98E-07	8.67E-08	1.50E-03	4.72E-07	1.37E-07
5622 479864.9, 3850740.95	8.88E-04	2.80E-07	8.15E-08	9.58E-04	3.02E-07	8.79E-08	1.52E-03	4.79E-07	1.39E-07
5623 479931.87, 3850829.57	9.16E-04	2.89E-07	8.41E-08	9.89E-04	3.12E-07	9.08E-08	1.57E-03	4.94E-07	1.44E-07
5624 479995.55, 3850926.75	9.52E-04	3.01E-07	8.74E-08	1.03E-03	3.24E-07	9.43E-08	1.63E-03	5.13E-07	1.49E-07
5625 480079.78, 3850968.64	9.71E-04	3.07E-07	8.92E-08	1.05E-03	3.31E-07	9.62E-08	1.66E-03	5.23E-07	1.52E-07
5626 480164.01, 3851010.54	9.88E-04	3.12E-07	9.07E-08	1.07E-03	3.36E-07	9.78E-08	1.68E-03	5.32E-07	1.55E-07
5627 480248.23, 3851052.43	1.00E-03	3.17E-07	9.21E-08	1.08E-03	3.42E-07	9.93E-08	1.71E-03	5.39E-07	1.57E-07
5628 480332.46, 3851094.33	1.02E-03	3.21E-07	9.33E-08	1.10E-03	3.46E-07	1.01E-07	1.73E-03	5.46E-07	1.59E-07
5629 480416.69, 3851136.22	1.03E-03	3.24E-07	9.42E-08	1.11E-03	3.49E-07	1.02E-07	1.75E-03	5.51E-07	1.60E-07
5630 480579.95, 3851215.17	1.04E-03	3.30E-07	9.59E-08	1.13E-03	3.55E-07	1.03E-07	1.77E-03	5.60E-07	1.63E-07
5631 480658.98, 3851252.22	1.05E-03	3.33E-07	9.67E-08	1.14E-03	3.58E-07	1.04E-07	1.79E-03	5.64E-07	1.64E-07
5632 480817.36, 3851327.85	1.07E-03	3.38E-07	9.83E-08	1.15E-03	3.64E-07	1.06E-07	1.81E-03	5.73E-07	1.67E-07
5633 480896.72, 3851366.43	1.08E-03	3.41E-07	9.91E-08	1.16E-03	3.67E-07	1.07E-07	1.83E-03	5.77E-07	1.68E-07
5634 480976.07, 3851405	1.09E-03	3.44E-07	9.99E-08	1.17E-03	3.70E-07	1.08E-07	1.84E-03	5.81E-07	1.69E-07
5635 481178, 3851487.31	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.86E-03	5.89E-07	1.71E-07
5636 481244.9, 3851557.17	1.14E-03	3.59E-07	1.04E-07	1.22E-03	3.86E-07	1.12E-07	1.92E-03	6.06E-07	1.76E-07
5637 481311.81, 3851627.03	1.17E-03	3.69E-07	1.07E-07	1.26E-03	3.97E-07	1.16E-07	1.97E-03	6.23E-07	1.81E-07
5638 481378.71, 3851696.89	1.20E-03	3.79E-07	1.10E-07	1.30E-03	4.09E-07	1.19E-07	2.03E-03	6.40E-07	1.86E-07
5639 481445.61, 3851766.76	1.24E-03	3.91E-07	1.14E-07	1.33E-03	4.21E-07	1.22E-07	2.09E-03	6.59E-07	1.92E-07
5640 481512.51, 3851836.62	1.27E-03	4.02E-07	1.17E-07	1.37E-03	4.33E-07	1.26E-07	2.15E-03	6.78E-07	1.97E-07
5641 481579.42, 3851906.48	1.31E-03	4.14E-07	1.20E-07	1.41E-03	4.46E-07	1.30E-07	2.21E-03	6.98E-07	2.03E-07
5642 481646.32, 3851976.34	1.35E-03	4.27E-07	1.24E-07	1.46E-03	4.60E-07	1.34E-07	2.28E-03	7.20E-07	2.09E-07
5643 481713.22, 3852046.2	1.39E-03	4.38E-07	1.27E-07	1.50E-03	4.72E-07	1.37E-07	2.34E-03	7.40E-07	2.15E-07
5644 481780.12, 3852116.06	1.44E-03	4.53E-07	1.32E-07	1.55E-03	4.88E-07	1.42E-07	2.42E-03	7.65E-07	2.22E-07
5645 481847.03, 3852185.92	1.49E-03	4.71E-07	1.37E-07	1.61E-03	5.08E-07	1.48E-07	2.52E-03	7.95E-07	2.31E-07
5646 481913.93, 3852255.78	1.55E-03	4.89E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.61E-03	8.23E-07	2.40E-07
5647 481980.83, 3852325.65	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.70E-03	8.53E-07	2.48E-07
5648 482047.73, 3852395.51	1.66E-03	5.25E-07	1.53E-07	1.79E-03	5.65E-07	1.64E-07	2.80E-03	8.83E-07	2.57E-07
5649 482114.64, 3852465.37	1.72E-03	5.44E-07	1.58E-07	1.85E-03	5.85E-07	1.70E-07	2.89E-03	9.14E-07	2.66E-07
5650 482181.54, 3852535.23	1.79E-03	5.63E-07	1.64E-07	1.92E-03	6.07E-07	1.76E-07	3.00E-03	9.46E-07	2.75E-07
5651 482338.69, 3852700.05	1.95E-03	6.16E-07	1.79E-07	2.10E-03	6.64E-07	1.93E-07	3.27E-03	1.03E-06	3.01E-07
5652 482404.05, 3852767.78	2.03E-03	6.42E-07	1.87E-07	2.19E-03	6.91E-07	2.01E-07	3.41E-03	1.08E-06	3.13E-07
5653 482469.4, 3852835.52	2.13E-03	6.71E-07	1.95E-07	2.29E-03	7.22E-07	2.10E-07	3.56E-03	1.12E-06	3.27E-07
5654 482534.75, 3852903.25	2.23E-03	7.05E-07	2.05E-07	2.40E-03	7.58E-07	2.21E-07	3.73E-03	1.18E-06	3.43E-07
5655 482600.11, 3852970.99	2.36E-03	7.44E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	3.94E-03	1.24E-06	3.61E-07
5656 482706.71, 3853119.28	2.72E-03	8.58E-07	2.50E-07	2.92E-03	9.23E-07	2.68E-07	4.52E-03	1.43E-06	4.15E-07
5657 482747.96, 3853199.84	2.97E-03	9.38E-07	2.73E-07	3.20E-03	1.01E-06	2.93E-07	4.92E-03	1.55E-06	4.52E-07
5658 482789.21, 3853280.4	3.29E-03	1.04E-06	3.02E-07	3.54E-03	1.12E-06	3.25E-07	5.41E-03	1.71E-06	4.97E-07
5659 482830.46, 3853360.96	3.77E-03	1.19E-06	3.46E-07	4.04E-03	1.27E-06	3.71E-07	6.07E-03	1.92E-06	5.58E-07
5660 482871.71, 3853441.52	5.86E-03	1.85E-06	5.38E-07	6.19E-03	1.95E-06	5.68E-07	8.35E-03	2.63E-06	7.66E-07
5661 482912.95, 3853522.07	1.12E-02	3.52E-06	1.02E-06	1.16E-02	3.67E-06	1.07E-06	1.38E-02	4.36E-06	1.27E-06
5662 482954.2, 3853602.63	1.12E-02	3.52E-06	1.02E-06	1.17E-02	3.69E-06	1.07E-06	1.44E-02	4.55E-06	1.32E-06
5663 482995.45, 3853683.19	1.17E-02	3.70E-06	1.08E-06	1.24E-02	3.90E-06	1.13E-06	1.64E-02	5.16E-06	1.50E-06
5664 483036.7, 3853763.75	1.37E-02	4.31E-06	1.25E-06	1.46E-02	4.60E-06	1.34E-06	2.12E-02	6.68E-06	1.94E-06
5665 483214.2, 3853909.91	1.47E-02	4.64E-06	1.35E-06	1.59E-02	5.02E-06	1.46E-06	2.58E-02	8.15E-06	2.37E-06
5666 483307.01, 3853910.44	1.33E-02	4.19E-06	1.22E-06	1.44E-02	4.53E-06	1.32E-06	2.33E-02	7.37E-06	2.14E-06
5667 483399.83, 3853910.96	1.20E-02	3.78E-06	1.10E-06	1.30E-02	4.09E-06	1.19E-06	2.11E-02	6.65E-06	1.93E-06
5668 483494.52, 3854009.24	1.38E-02	4.35E-06	1.27E-06	1.50E-02	4.73E-06	1.38E-06	2.49E-02	7.86E-06	2.29E-06
5669 483496.41, 3854106.98	1.71E-02	5.39E-06	1.57E-06	1.86E-02	5.87E-06	1.71E-06	3.14E-02	9.90E-06	2.88E-06

5670	483577.56, 3854261.96	2.00E-02	6.30E-06	1.83E-06	2.18E-02	6.87E-06	2.00E-06	3.67E-02	1.16E-05	3.37E-06
5671	483656.83, 3854319.19	1.95E-02	6.14E-06	1.79E-06	2.12E-02	6.68E-06	1.94E-06	3.54E-02	1.12E-05	3.25E-06
5672	483736.1, 3854376.41	1.88E-02	5.95E-06	1.73E-06	2.05E-02	6.46E-06	1.88E-06	3.40E-02	1.07E-05	3.12E-06
5673	483815.37, 3854433.64	1.84E-02	5.80E-06	1.69E-06	1.99E-02	6.29E-06	1.83E-06	3.28E-02	1.04E-05	3.01E-06
5674	483894.63, 3854490.87	1.80E-02	5.70E-06	1.66E-06	1.96E-02	6.17E-06	1.80E-06	3.19E-02	1.01E-05	2.93E-06
5675	483973.9, 3854548.1	1.81E-02	5.71E-06	1.66E-06	1.96E-02	6.18E-06	1.80E-06	3.17E-02	1.00E-05	2.91E-06
5676	484053.17, 3854605.32	1.89E-02	5.98E-06	1.74E-06	2.05E-02	6.46E-06	1.88E-06	3.28E-02	1.04E-05	3.01E-06
5677	484214.97, 3854698.15	2.04E-02	6.45E-06	1.88E-06	2.20E-02	6.95E-06	2.02E-06	3.48E-02	1.10E-05	3.19E-06
5678	484297.5, 3854733.74	2.16E-02	6.81E-06	1.98E-06	2.32E-02	7.34E-06	2.13E-06	3.64E-02	1.15E-05	3.35E-06
5679	484380.03, 3854769.34	2.18E-02	6.87E-06	2.00E-06	2.34E-02	7.39E-06	2.15E-06	3.66E-02	1.16E-05	3.36E-06
5680	484462.56, 3854804.94	2.26E-02	7.14E-06	2.08E-06	2.43E-02	7.68E-06	2.24E-06	3.80E-02	1.20E-05	3.49E-06
5681	484545.09, 3854840.53	2.24E-02	7.06E-06	2.05E-06	2.41E-02	7.60E-06	2.21E-06	3.75E-02	1.19E-05	3.45E-06
5682	484691.88, 3854912.59	2.41E-02	7.61E-06	2.21E-06	2.60E-02	8.19E-06	2.38E-06	4.04E-02	1.28E-05	3.71E-06
5683	484830.81, 3855012.51	2.66E-02	8.39E-06	2.44E-06	2.86E-02	9.03E-06	2.63E-06	4.44E-02	1.40E-05	4.08E-06
5684	484905.48, 3855075.97	2.94E-02	9.27E-06	2.70E-06	3.16E-02	9.97E-06	2.90E-06	4.91E-02	1.55E-05	4.51E-06
5685	484980.14, 3855139.44	3.12E-02	9.85E-06	2.87E-06	3.36E-02	1.06E-05	3.08E-06	5.23E-02	1.65E-05	4.80E-06
5686	485054.81, 3855202.91	3.22E-02	1.02E-05	2.96E-06	3.47E-02	1.09E-05	3.18E-06	5.40E-02	1.70E-05	4.96E-06
5687	485129.48, 3855266.37	3.20E-02	1.01E-05	2.93E-06	3.44E-02	1.09E-05	3.16E-06	5.36E-02	1.69E-05	4.92E-06
5688	485204.15, 3855329.84	3.37E-02	1.06E-05	3.10E-06	3.63E-02	1.15E-05	3.33E-06	5.67E-02	1.79E-05	5.20E-06
5689	485278.82, 3855393.31	3.43E-02	1.08E-05	3.14E-06	3.69E-02	1.16E-05	3.39E-06	5.77E-02	1.82E-05	5.29E-06
5690	485353.48, 3855456.77	3.53E-02	1.11E-05	3.24E-06	3.81E-02	1.20E-05	3.49E-06	5.96E-02	1.88E-05	5.47E-06
5691	485428.15, 3855520.24	3.57E-02	1.13E-05	3.28E-06	3.84E-02	1.21E-05	3.53E-06	6.03E-02	1.90E-05	5.54E-06
5692	485502.82, 3855583.71	3.61E-02	1.14E-05	3.32E-06	3.89E-02	1.23E-05	3.58E-06	6.12E-02	1.93E-05	5.62E-06
5693	485577.49, 3855647.17	3.75E-02	1.18E-05	3.44E-06	4.05E-02	1.28E-05	3.71E-06	6.38E-02	2.01E-05	5.86E-06
5694	485652.16, 3855710.64	3.89E-02	1.23E-05	3.57E-06	4.19E-02	1.32E-05	3.85E-06	6.63E-02	2.09E-05	6.09E-06
5695	485726.83, 3855774.11	3.93E-02	1.24E-05	3.61E-06	4.24E-02	1.34E-05	3.89E-06	6.72E-02	2.12E-05	6.17E-06
5696	485801.49, 3855837.57	3.92E-02	1.24E-05	3.59E-06	4.23E-02	1.33E-05	3.88E-06	6.70E-02	2.12E-05	6.16E-06
5697	485876.16, 3855901.04	3.95E-02	1.25E-05	3.62E-06	4.26E-02	1.35E-05	3.91E-06	6.77E-02	2.14E-05	6.22E-06
5698	485950.83, 3855964.5	3.94E-02	1.24E-05	3.62E-06	4.26E-02	1.34E-05	3.91E-06	6.77E-02	2.14E-05	6.22E-06
5699	486025.5, 3856027.97	3.88E-02	1.22E-05	3.56E-06	4.19E-02	1.32E-05	3.84E-06	6.67E-02	2.10E-05	6.12E-06
5700	486100.17, 3856091.44	4.05E-02	1.28E-05	3.72E-06	4.38E-02	1.38E-05	4.02E-06	6.98E-02	2.20E-05	6.41E-06
5701	486174.83, 3856154.9	3.95E-02	1.25E-05	3.63E-06	4.27E-02	1.35E-05	3.92E-06	6.82E-02	2.15E-05	6.26E-06
5702	486249.5, 3856218.37	3.71E-02	1.17E-05	3.41E-06	4.01E-02	1.27E-05	3.68E-06	6.41E-02	2.02E-05	5.88E-06
5703	486324.17, 3856281.84	3.53E-02	1.11E-05	3.24E-06	3.82E-02	1.20E-05	3.50E-06	6.10E-02	1.92E-05	5.60E-06
5704	486398.84, 3856345.3	3.61E-02	1.14E-05	3.31E-06	3.90E-02	1.23E-05	3.58E-06	6.23E-02	1.97E-05	5.72E-06
5705	486473.51, 3856408.77	3.62E-02	1.14E-05	3.32E-06	3.91E-02	1.23E-05	3.59E-06	6.26E-02	1.98E-05	5.75E-06
5706	486548.17, 3856472.24	3.72E-02	1.17E-05	3.41E-06	4.02E-02	1.27E-05	3.69E-06	6.42E-02	2.03E-05	5.90E-06
5707	486622.84, 3856535.7	3.82E-02	1.21E-05	3.51E-06	4.13E-02	1.30E-05	3.79E-06	6.60E-02	2.08E-05	6.06E-06
5708	486765.48, 3856659.69	4.10E-02	1.29E-05	3.76E-06	4.43E-02	1.40E-05	4.07E-06	7.08E-02	2.24E-05	6.50E-06
5709	486833.44, 3856720.2	4.20E-02	1.33E-05	3.86E-06	4.54E-02	1.43E-05	4.17E-06	7.27E-02	2.29E-05	6.67E-06
5710	486901.41, 3856780.72	4.34E-02	1.37E-05	3.99E-06	4.69E-02	1.48E-05	4.31E-06	7.51E-02	2.37E-05	6.89E-06
5711	486969.38, 3856841.24	4.45E-02	1.40E-05	4.08E-06	4.81E-02	1.52E-05	4.41E-06	7.70E-02	2.43E-05	7.07E-06
5712	487037.34, 3856901.75	4.54E-02	1.43E-05	4.17E-06	4.91E-02	1.55E-05	4.51E-06	7.87E-02	2.48E-05	7.22E-06
5713	487271.23, 3856855.51	3.79E-02	1.20E-05	3.48E-06	4.09E-02	1.29E-05	3.76E-06	6.55E-02	2.07E-05	6.02E-06
5714	487368.96, 3856857.29	3.60E-02	1.14E-05	3.31E-06	3.89E-02	1.23E-05	3.58E-06	6.23E-02	1.97E-05	5.72E-06
5715	487466.68, 3856859.06	3.45E-02	1.09E-05	3.16E-06	3.72E-02	1.18E-05	3.42E-06	5.96E-02	1.88E-05	5.47E-06
5716	487636.44, 3856930	3.34E-02	1.05E-05	3.07E-06	3.61E-02	1.14E-05	3.32E-06	5.78E-02	1.83E-05	5.31E-06
5717	487709.57, 3856928.43	3.23E-02	1.02E-05	2.97E-06	3.49E-02	1.10E-05	3.21E-06	5.59E-02	1.76E-05	5.13E-06
5718	487782.55, 3856841.96	2.95E-02	9.33E-06	2.71E-06	3.19E-02	1.01E-05	2.93E-06	5.11E-02	1.61E-05	4.69E-06
5719	487849.83, 3856754.74	2.73E-02	8.60E-06	2.50E-06	2.95E-02	9.30E-06	2.70E-06	4.71E-02	1.49E-05	4.32E-06
5720	487918.03, 3856819.39	2.77E-02	8.73E-06	2.54E-06	2.99E-02	9.44E-06	2.74E-06	4.78E-02	1.51E-05	4.39E-06
5721	487918.8, 3856886.37	2.88E-02	9.09E-06	2.64E-06	3.11E-02	9.82E-06	2.86E-06	4.98E-02	1.57E-05	4.57E-06
5722	488065.47, 3857127.51	3.08E-02	9.74E-06	2.83E-06	3.33E-02	1.05E-05	3.06E-06	5.35E-02	1.69E-05	4.91E-06
5723	488192.19, 3857385.84	3.33E-02	1.05E-05	3.05E-06	3.60E-02	1.13E-05	3.30E-06	5.79E-02	1.83E-05	5.31E-06
5724	488191.22, 3857473.87	3.47E-02	1.10E-05	3.19E-06	3.76E-02	1.19E-05	3.45E-06	6.05E-02	1.91E-05	5.56E-06
5725	488190.24, 3857561.91	3.62E-02	1.14E-05	3.33E-06	3.92E-02	1.24E-05	3.60E-06	6.32E-02	1.99E-05	5.80E-06
5726	488158.35, 3857691.13	3.95E-02	1.25E-05	3.62E-06	4.27E-02	1.35E-05	3.92E-06	6.89E-02	2.17E-05	6.33E-06
5727	488208.37, 3857816.66	4.03E-02	1.27E-05	3.70E-06	4.36E-02	1.38E-05	4.00E-06	7.04E-02	2.22E-05	6.47E-06
5728	488271.97, 3857874.6	3.92E-02	1.24E-05	3.60E-06	4.24E-02	1.34E-05	3.89E-06	6.85E-02	2.16E-05	6.29E-06
5729	488463.56, 3857942.31	3.44E-02	1.09E-05	3.16E-06	3.72E-02	1.17E-05	3.42E-06	6.00E-02	1.89E-05	5.51E-06
5730	488554.83, 3857940.83	3.22E-02	1.02E-05	2.95E-06	3.48E-02	1.10E-05	3.19E-06	5.61E-02	1.77E-05	5.15E-06

5731	488646.1, 3857939.36	3.02E-02	9.54E-06	2.77E-06	3.27E-02	1.03E-05	3.00E-06	5.26E-02	1.66E-05	4.83E-06
5732	488737.37, 3857937.88	2.85E-02	8.99E-06	2.61E-06	3.08E-02	9.72E-06	2.83E-06	4.96E-02	1.56E-05	4.55E-06
5733	488733.59, 3857960.57	2.86E-02	9.04E-06	2.63E-06	3.10E-02	9.77E-06	2.84E-06	4.99E-02	1.57E-05	4.58E-06
5734	488638.09, 3857961.57	3.05E-02	9.62E-06	2.80E-06	3.30E-02	1.04E-05	3.03E-06	5.31E-02	1.68E-05	4.88E-06
5735	488542.6, 3857962.56	3.26E-02	1.03E-05	2.99E-06	3.53E-02	1.11E-05	3.24E-06	5.68E-02	1.79E-05	5.22E-06
5736	488447.1, 3857963.56	3.50E-02	1.11E-05	3.22E-06	3.79E-02	1.20E-05	3.48E-06	6.11E-02	1.93E-05	5.61E-06
5737	488254.28, 3857890.36	4.00E-02	1.26E-05	3.67E-06	4.33E-02	1.37E-05	3.97E-06	7.00E-02	2.21E-05	6.43E-06
5738	488191.69, 3857833.06	4.12E-02	1.30E-05	3.78E-06	4.46E-02	1.41E-05	4.09E-06	7.21E-02	2.27E-05	6.61E-06
5739	488129.5, 3857907.43	4.51E-02	1.42E-05	4.14E-06	4.89E-02	1.54E-05	4.49E-06	7.93E-02	2.50E-05	7.28E-06
5740	488196.47, 3857968.74	4.36E-02	1.38E-05	4.00E-06	4.72E-02	1.49E-05	4.34E-06	7.66E-02	2.42E-05	7.04E-06
5741	488263.44, 3858030.04	4.22E-02	1.33E-05	3.87E-06	4.57E-02	1.44E-05	4.19E-06	7.41E-02	2.34E-05	6.80E-06
5742	488400.64, 3858132.9	3.85E-02	1.22E-05	3.53E-06	4.17E-02	1.32E-05	3.83E-06	6.74E-02	2.13E-05	6.19E-06
5743	488519.89, 3858218.38	3.42E-02	1.08E-05	3.14E-06	3.69E-02	1.17E-05	3.39E-06	5.94E-02	1.88E-05	5.45E-06
5744	488647.97, 3858214.99	3.02E-02	9.53E-06	2.77E-06	3.26E-02	1.03E-05	3.00E-06	5.24E-02	1.65E-05	4.81E-06
5745	488727.05, 3858167.67	2.86E-02	9.02E-06	2.62E-06	3.09E-02	9.75E-06	2.84E-06	4.96E-02	1.57E-05	4.56E-06
5746	488806.12, 3858120.35	2.72E-02	8.58E-06	2.50E-06	2.94E-02	9.28E-06	2.70E-06	4.72E-02	1.49E-05	4.34E-06
5747	488885.2, 3858073.03	2.59E-02	8.18E-06	2.38E-06	2.80E-02	8.85E-06	2.57E-06	4.51E-02	1.42E-05	4.14E-06
5748	489055.76, 3857991.18	2.36E-02	7.46E-06	2.17E-06	2.56E-02	8.07E-06	2.35E-06	4.11E-02	1.30E-05	3.78E-06
5749	489245.39, 3857944.55	2.15E-02	6.79E-06	1.97E-06	2.33E-02	7.34E-06	2.14E-06	3.74E-02	1.18E-05	3.44E-06
5750	489430.63, 3857930.91	1.97E-02	6.21E-06	1.81E-06	2.13E-02	6.71E-06	1.95E-06	3.42E-02	1.08E-05	3.14E-06
5751	489517.74, 3857929.36	1.89E-02	5.96E-06	1.73E-06	2.04E-02	6.45E-06	1.87E-06	3.28E-02	1.04E-05	3.02E-06
5752	489604.86, 3857927.82	1.82E-02	5.73E-06	1.67E-06	1.96E-02	6.20E-06	1.80E-06	3.16E-02	9.96E-06	2.90E-06
5753	489691.97, 3857926.28	1.75E-02	5.51E-06	1.60E-06	1.89E-02	5.96E-06	1.73E-06	3.04E-02	9.58E-06	2.79E-06
5754	489779.08, 3857924.73	1.68E-02	5.31E-06	1.54E-06	1.82E-02	5.74E-06	1.67E-06	2.92E-02	9.23E-06	2.68E-06
5755	490017.55, 3857875.09	1.54E-02	4.85E-06	1.41E-06	1.66E-02	5.25E-06	1.53E-06	2.67E-02	8.43E-06	2.45E-06
5756	490033.82, 3857960.81	1.50E-02	4.75E-06	1.38E-06	1.63E-02	5.13E-06	1.49E-06	2.61E-02	8.24E-06	2.40E-06
5757	489959.15, 3857987.49	1.54E-02	4.87E-06	1.42E-06	1.67E-02	5.26E-06	1.53E-06	2.67E-02	8.44E-06	2.45E-06
5758	489791.49, 3858016.12	1.64E-02	5.18E-06	1.51E-06	1.78E-02	5.60E-06	1.63E-06	2.85E-02	8.99E-06	2.62E-06
5759	489698.51, 3858018.07	1.71E-02	5.40E-06	1.57E-06	1.85E-02	5.83E-06	1.70E-06	2.97E-02	9.37E-06	2.73E-06
5760	489605.52, 3858020.02	1.78E-02	5.63E-06	1.64E-06	1.93E-02	6.08E-06	1.77E-06	3.10E-02	9.77E-06	2.84E-06
5761	489512.53, 3858021.96	1.86E-02	5.87E-06	1.71E-06	2.01E-02	6.35E-06	1.85E-06	3.23E-02	1.02E-05	2.97E-06
5762	489419.55, 3858023.91	1.95E-02	6.14E-06	1.79E-06	2.10E-02	6.64E-06	1.93E-06	3.38E-02	1.07E-05	3.10E-06
5763	489228.47, 3858041.29	2.14E-02	6.76E-06	1.96E-06	2.31E-02	7.31E-06	2.12E-06	3.72E-02	1.18E-05	3.42E-06
5764	489065.75, 3858085.78	2.32E-02	7.32E-06	2.13E-06	2.51E-02	7.92E-06	2.30E-06	4.03E-02	1.27E-05	3.70E-06
5765	489001.12, 3858114.86	2.40E-02	7.56E-06	2.20E-06	2.59E-02	8.17E-06	2.38E-06	4.16E-02	1.31E-05	3.82E-06
5766	488861.89, 3858189.81	2.58E-02	8.13E-06	2.36E-06	2.79E-02	8.79E-06	2.56E-06	4.48E-02	1.41E-05	4.11E-06
5767	488787.29, 3858235.69	2.67E-02	8.43E-06	2.45E-06	2.89E-02	9.11E-06	2.65E-06	4.63E-02	1.46E-05	4.25E-06
5768	488712.68, 3858281.57	2.78E-02	8.78E-06	2.55E-06	3.01E-02	9.49E-06	2.76E-06	4.82E-02	1.52E-05	4.43E-06
5769	488654.39, 3858436.17	2.53E-02	8.00E-06	2.33E-06	2.73E-02	8.62E-06	2.51E-06	4.28E-02	1.35E-05	3.93E-06
5770	488726.31, 3858505.26	2.21E-02	6.96E-06	2.02E-06	2.37E-02	7.48E-06	2.18E-06	3.64E-02	1.15E-05	3.34E-06
5771	488880.6, 3858599.28	1.82E-02	5.76E-06	1.67E-06	1.95E-02	6.16E-06	1.79E-06	2.93E-02	9.24E-06	2.69E-06
5772	489008.06, 3858714.75	1.58E-02	4.98E-06	1.45E-06	1.68E-02	5.31E-06	1.54E-06	2.44E-02	7.71E-06	2.24E-06
5773	489071.48, 3858772.72	1.47E-02	4.64E-06	1.35E-06	1.57E-02	4.94E-06	1.44E-06	2.25E-02	7.10E-06	2.06E-06
5774	489244.6, 3858920.2	1.07E-02	3.38E-06	9.83E-07	1.14E-02	3.61E-06	1.05E-06	1.69E-02	5.34E-06	1.55E-06
5775	489239.69, 3858952.23	1.01E-02	3.20E-06	9.30E-07	1.08E-02	3.42E-06	9.94E-07	1.60E-02	5.07E-06	1.47E-06
5776	489121.67, 3858854.49	1.30E-02	4.11E-06	1.20E-06	1.39E-02	4.37E-06	1.27E-06	1.98E-02	6.26E-06	1.82E-06
5777	489059.59, 3858797.27	1.47E-02	4.63E-06	1.35E-06	1.56E-02	4.92E-06	1.43E-06	2.21E-02	6.98E-06	2.03E-06
5778	488997.52, 3858740.04	1.58E-02	4.97E-06	1.45E-06	1.68E-02	5.30E-06	1.54E-06	2.41E-02	7.59E-06	2.21E-06
5779	488935.44, 3858682.82	1.68E-02	5.29E-06	1.54E-06	1.79E-02	5.64E-06	1.64E-06	2.60E-02	8.22E-06	2.39E-06
5780	488869.17, 3858848.43	2.10E-02	6.62E-06	1.92E-06	2.20E-02	6.94E-06	2.02E-06	2.76E-02	8.70E-06	2.53E-06
5781	488932.48, 3858892.69	1.64E-02	5.19E-06	1.51E-06	1.73E-02	5.47E-06	1.59E-06	2.27E-02	7.15E-06	2.08E-06
5782	489063.27, 3858977.17	1.02E-02	3.22E-06	9.37E-07	1.09E-02	3.44E-06	9.99E-07	1.58E-02	5.00E-06	1.45E-06
5783	489248.2, 3859117.15	7.45E-03	2.35E-06	6.84E-07	7.99E-03	2.52E-06	7.34E-07	1.22E-02	3.85E-06	1.12E-06
5784	489296.25, 3859049.22	8.38E-03	2.64E-06	7.69E-07	8.98E-03	2.83E-06	8.24E-07	1.36E-02	4.28E-06	1.25E-06
5785	489353.38, 3858993.97	9.11E-03	2.88E-06	8.37E-07	9.77E-03	3.08E-06	8.97E-07	1.47E-02	4.65E-06	1.35E-06
5786	489537.25, 3859120.22	7.39E-03	2.33E-06	6.78E-07	7.94E-03	2.51E-06	7.29E-07	1.22E-02	3.85E-06	1.12E-06
5787	489726.98, 3859246.04	6.27E-03	1.98E-06	5.75E-07	6.74E-03	2.13E-06	6.19E-07	1.05E-02	3.30E-06	9.61E-07
5788	489911.46, 3859366.33	5.50E-03	1.73E-06	5.04E-07	5.92E-03	1.87E-06	5.43E-07	9.24E-03	2.92E-06	8.48E-07
5789	490035.3, 3859430.26	5.14E-03	1.62E-06	4.72E-07	5.54E-03	1.75E-06	5.08E-07	8.66E-03	2.73E-06	7.95E-07
5790	490101.11, 3859458.61	5.00E-03	1.58E-06	4.59E-07	5.39E-03	1.70E-06	4.95E-07	8.44E-03	2.66E-06	7.75E-07
5791	490312.68, 3859560.3	4.57E-03	1.44E-06	4.20E-07	4.93E-03	1.56E-06	4.52E-07	7.74E-03	2.44E-06	7.10E-07

5792	490401.63, 3859603.12	4.42E-03	1.39E-06	4.05E-07	4.76E-03	1.50E-06	4.37E-07	7.48E-03	2.36E-06	6.87E-07
5793	490490.57, 3859645.94	4.27E-03	1.35E-06	3.92E-07	4.61E-03	1.45E-06	4.23E-07	7.24E-03	2.29E-06	6.65E-07
5794	490579.51, 3859688.76	4.14E-03	1.31E-06	3.80E-07	4.47E-03	1.41E-06	4.10E-07	7.03E-03	2.22E-06	6.45E-07
5795	490668.45, 3859731.58	4.02E-03	1.27E-06	3.69E-07	4.34E-03	1.37E-06	3.98E-07	6.84E-03	2.16E-06	6.28E-07
5796	490757.4, 3859774.4	3.90E-03	1.23E-06	3.58E-07	4.20E-03	1.33E-06	3.86E-07	6.63E-03	2.09E-06	6.08E-07
5797	491003.53, 3859861.82	3.67E-03	1.16E-06	3.37E-07	3.96E-03	1.25E-06	3.64E-07	6.26E-03	1.98E-06	5.75E-07
5798	491081.41, 3859879.05	3.63E-03	1.15E-06	3.33E-07	3.92E-03	1.24E-06	3.60E-07	6.19E-03	1.95E-06	5.68E-07
5799	491229.76, 3859917.82	3.53E-03	1.12E-06	3.24E-07	3.81E-03	1.20E-06	3.50E-07	6.02E-03	1.90E-06	5.53E-07
5800	491300.22, 3859939.35	3.48E-03	1.10E-06	3.19E-07	3.75E-03	1.18E-06	3.44E-07	5.93E-03	1.87E-06	5.44E-07
5801	491350.49, 3860012.03	3.29E-03	1.04E-06	3.02E-07	3.55E-03	1.12E-06	3.26E-07	5.61E-03	1.77E-06	5.15E-07
5802	491406.82, 3860092.57	3.11E-03	9.81E-07	2.85E-07	3.35E-03	1.06E-06	3.08E-07	5.30E-03	1.67E-06	4.86E-07
5803	491483.37, 3860121.96	3.06E-03	9.65E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.21E-03	1.64E-06	4.78E-07
5804	491559.91, 3860151.36	3.00E-03	9.48E-07	2.76E-07	3.24E-03	1.02E-06	2.97E-07	5.12E-03	1.62E-06	4.70E-07
5805	491711.81, 3860237.76	2.91E-03	9.20E-07	2.68E-07	3.14E-03	9.93E-07	2.89E-07	4.98E-03	1.57E-06	4.57E-07
5806	491755.2, 3860319.07	2.70E-03	8.51E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.60E-03	1.45E-06	4.22E-07
5807	491704.71, 3860366.54	2.61E-03	8.23E-07	2.39E-07	2.81E-03	8.88E-07	2.58E-07	4.45E-03	1.40E-06	4.08E-07
5808	491623.43, 3860462.39	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.40E-07	4.14E-03	1.31E-06	3.80E-07
5809	491534.02, 3860439.85	2.52E-03	7.94E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.29E-03	1.35E-06	3.94E-07
5810	491313.95, 3860268.18	2.69E-03	8.50E-07	2.47E-07	2.90E-03	9.17E-07	2.67E-07	4.59E-03	1.45E-06	4.21E-07
5811	491187.12, 3860143.56	2.95E-03	9.30E-07	2.70E-07	3.18E-03	1.00E-06	2.92E-07	5.01E-03	1.58E-06	4.60E-07
5812	491070.43, 3860075.97	3.09E-03	9.75E-07	2.84E-07	3.33E-03	1.05E-06	3.06E-07	5.26E-03	1.66E-06	4.82E-07
5813	490995.09, 3860039.39	3.16E-03	9.99E-07	2.90E-07	3.41E-03	1.08E-06	3.13E-07	5.38E-03	1.70E-06	4.94E-07
5814	490919.75, 3860002.8	3.24E-03	1.02E-06	2.98E-07	3.50E-03	1.10E-06	3.21E-07	5.51E-03	1.74E-06	5.06E-07
5815	490756.81, 3859894.53	3.52E-03	1.11E-06	3.23E-07	3.79E-03	1.20E-06	3.48E-07	5.98E-03	1.89E-06	5.49E-07
5816	490668.07, 3859860.92	3.58E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.09E-03	1.92E-06	5.59E-07
5817	490579.34, 3859827.3	3.66E-03	1.16E-06	3.36E-07	3.95E-03	1.25E-06	3.63E-07	6.22E-03	1.96E-06	5.71E-07
5818	490490.6, 3859793.68	3.74E-03	1.18E-06	3.43E-07	4.03E-03	1.27E-06	3.70E-07	6.34E-03	2.00E-06	5.82E-07
5819	490401.86, 3859760.07	3.81E-03	1.20E-06	3.50E-07	4.11E-03	1.30E-06	3.77E-07	6.46E-03	2.04E-06	5.93E-07
5820	490313.12, 3859726.45	3.90E-03	1.23E-06	3.58E-07	4.21E-03	1.33E-06	3.86E-07	6.61E-03	2.09E-06	6.07E-07
5821	490224.39, 3859692.83	4.00E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.96E-07	6.77E-03	2.14E-06	6.21E-07
5822	490135.65, 3859659.22	4.11E-03	1.30E-06	3.77E-07	4.43E-03	1.40E-06	4.06E-07	6.95E-03	2.19E-06	6.38E-07
5823	489918.19, 3859559.23	4.47E-03	1.41E-06	4.10E-07	4.81E-03	1.52E-06	4.42E-07	7.54E-03	2.38E-06	6.92E-07
5824	489743.61, 3859486	4.75E-03	1.50E-06	4.37E-07	5.12E-03	1.62E-06	4.70E-07	8.01E-03	2.53E-06	7.36E-07
5825	489660.32, 3859440.27	4.96E-03	1.57E-06	4.56E-07	5.34E-03	1.69E-06	4.91E-07	8.35E-03	2.64E-06	7.67E-07
5826	489577.04, 3859394.53	5.19E-03	1.64E-06	4.77E-07	5.59E-03	1.76E-06	5.13E-07	8.72E-03	2.75E-06	8.01E-07
5827	489493.75, 3859348.8	5.44E-03	1.72E-06	5.00E-07	5.86E-03	1.85E-06	5.38E-07	9.12E-03	2.88E-06	8.37E-07
5828	489321.28, 3859240.02	6.18E-03	1.95E-06	5.67E-07	6.64E-03	2.10E-06	6.10E-07	1.03E-02	3.24E-06	9.43E-07
5829	489235.41, 3859193.96	6.57E-03	2.07E-06	6.03E-07	7.06E-03	2.23E-06	6.48E-07	1.09E-02	3.43E-06	9.98E-07
5830	489149.54, 3859147.89	7.00E-03	2.21E-06	6.43E-07	7.52E-03	2.37E-06	6.90E-07	1.15E-02	3.63E-06	1.06E-06
5831	489063.68, 3859101.82	7.55E-03	2.38E-06	6.93E-07	8.10E-03	2.56E-06	7.44E-07	1.23E-02	3.88E-06	1.13E-06
5832	488977.81, 3859055.75	8.26E-03	2.61E-06	7.58E-07	8.85E-03	2.79E-06	8.12E-07	1.33E-02	4.19E-06	1.22E-06
5833	488891.94, 3859009.69	9.20E-03	2.90E-06	8.45E-07	9.84E-03	3.10E-06	9.03E-07	1.45E-02	4.58E-06	1.33E-06
5834	488808, 3859060.73	8.13E-03	2.57E-06	7.47E-07	8.72E-03	2.75E-06	8.00E-07	1.31E-02	4.14E-06	1.20E-06
5835	488809.93, 3859157.85	6.98E-03	2.20E-06	6.41E-07	7.50E-03	2.37E-06	6.88E-07	1.15E-02	3.62E-06	1.05E-06
5836	488811.86, 3859254.96	6.20E-03	1.96E-06	5.69E-07	6.67E-03	2.11E-06	6.12E-07	1.03E-02	3.25E-06	9.47E-07
5837	488813.78, 3859352.07	5.61E-03	1.77E-06	5.15E-07	6.03E-03	1.90E-06	5.54E-07	9.37E-03	2.96E-06	8.60E-07
5838	488815.71, 3859449.19	5.13E-03	1.62E-06	4.71E-07	5.52E-03	1.74E-06	5.07E-07	8.60E-03	2.72E-06	7.90E-07
5839	488910.04, 3859547.11	4.71E-03	1.49E-06	4.32E-07	5.07E-03	1.60E-06	4.65E-07	7.92E-03	2.50E-06	7.27E-07
5840	489002.45, 3859547.91	4.70E-03	1.48E-06	4.31E-07	5.06E-03	1.60E-06	4.64E-07	7.91E-03	2.50E-06	7.26E-07
5841	489094.85, 3859548.72	4.68E-03	1.48E-06	4.29E-07	5.04E-03	1.59E-06	4.62E-07	7.88E-03	2.49E-06	7.23E-07
5842	489230.05, 3859601.87	4.45E-03	1.40E-06	4.08E-07	4.79E-03	1.51E-06	4.40E-07	7.51E-03	2.37E-06	6.89E-07
5843	489227.52, 3859680.89	4.21E-03	1.33E-06	3.86E-07	4.54E-03	1.43E-06	4.16E-07	7.11E-03	2.25E-06	6.53E-07
5844	489133.47, 3859760.29	4.00E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.95E-07	6.76E-03	2.13E-06	6.21E-07
5845	489041.96, 3859760.67	4.00E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.96E-07	6.76E-03	2.13E-06	6.20E-07
5846	488950.45, 3859761.05	3.99E-03	1.26E-06	3.66E-07	4.30E-03	1.36E-06	3.94E-07	6.74E-03	2.13E-06	6.18E-07
5847	488858.94, 3859761.43	3.97E-03	1.25E-06	3.65E-07	4.28E-03	1.35E-06	3.93E-07	6.71E-03	2.12E-06	6.16E-07
5848	488767.43, 3859761.82	3.94E-03	1.24E-06	3.62E-07	4.25E-03	1.34E-06	3.90E-07	6.65E-03	2.10E-06	6.10E-07
5849	488675.92, 3859762.2	3.92E-03	1.24E-06	3.60E-07	4.22E-03	1.33E-06	3.87E-07	6.60E-03	2.08E-06	6.06E-07
5850	488584.41, 3859762.58	3.88E-03	1.23E-06	3.56E-07	4.18E-03	1.32E-06	3.84E-07	6.53E-03	2.06E-06	6.00E-07
5851	488492.9, 3859762.96	3.85E-03	1.22E-06	3.54E-07	4.15E-03	1.31E-06	3.81E-07	6.48E-03	2.05E-06	5.95E-07
5852	488402.76, 3859830.95	3.64E-03	1.15E-06	3.34E-07	3.92E-03	1.24E-06	3.60E-07	6.13E-03	1.93E-06	5.62E-07

5853	488404.14, 3859898.55	3.46E-03	1.09E-06	3.18E-07	3.73E-03	1.18E-06	3.42E-07	5.82E-03	1.84E-06	5.35E-07
5854	488505.18, 3859964.96	3.33E-03	1.05E-06	3.06E-07	3.59E-03	1.13E-06	3.29E-07	5.61E-03	1.77E-06	5.15E-07
5855	488604.85, 3859963.76	3.35E-03	1.06E-06	3.08E-07	3.61E-03	1.14E-06	3.32E-07	5.66E-03	1.79E-06	5.19E-07
5856	488704.51, 3859962.56	3.38E-03	1.07E-06	3.11E-07	3.65E-03	1.15E-06	3.35E-07	5.71E-03	1.80E-06	5.24E-07
5857	488804.18, 3859961.37	3.42E-03	1.08E-06	3.14E-07	3.68E-03	1.16E-06	3.38E-07	5.77E-03	1.82E-06	5.30E-07
5858	488903.85, 3859960.17	3.45E-03	1.09E-06	3.17E-07	3.72E-03	1.17E-06	3.41E-07	5.83E-03	1.84E-06	5.36E-07
5859	489003.52, 3859958.97	3.47E-03	1.10E-06	3.19E-07	3.74E-03	1.18E-06	3.44E-07	5.88E-03	1.86E-06	5.40E-07
5860	489103.18, 3859957.77	3.49E-03	1.10E-06	3.20E-07	3.76E-03	1.19E-06	3.45E-07	5.91E-03	1.87E-06	5.43E-07
5861	489201.48, 3860046.59	3.31E-03	1.04E-06	3.04E-07	3.57E-03	1.13E-06	3.27E-07	5.61E-03	1.77E-06	5.15E-07
5862	489200.11, 3860136.61	3.12E-03	9.85E-07	2.86E-07	3.36E-03	1.06E-06	3.09E-07	5.29E-03	1.67E-06	4.86E-07
5863	489198.74, 3860226.63	2.95E-03	9.31E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.00E-03	1.58E-06	4.59E-07
5864	489197.38, 3860316.66	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.49E-07	2.76E-07	4.73E-03	1.49E-06	4.34E-07
5865	489196.01, 3860406.68	2.64E-03	8.35E-07	2.43E-07	2.85E-03	9.00E-07	2.62E-07	4.48E-03	1.42E-06	4.12E-07
5866	489194.64, 3860496.7	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.24E-03	1.34E-06	3.90E-07
5867	489193.27, 3860586.72	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.11E-07	2.36E-07	4.04E-03	1.27E-06	3.71E-07
5868	489092.02, 3860678.13	2.25E-03	7.11E-07	2.07E-07	2.43E-03	7.66E-07	2.23E-07	3.82E-03	1.20E-06	3.50E-07
5869	488992.13, 3860679.53	2.24E-03	7.06E-07	2.05E-07	2.41E-03	7.61E-07	2.21E-07	3.79E-03	1.20E-06	3.48E-07
5870	488892.25, 3860680.92	2.23E-03	7.03E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.77E-03	1.19E-06	3.46E-07
5871	488792.36, 3860682.31	2.21E-03	6.99E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.75E-03	1.18E-06	3.44E-07
5872	488692.48, 3860683.7	2.21E-03	6.97E-07	2.03E-07	2.38E-03	7.51E-07	2.18E-07	3.73E-03	1.18E-06	3.43E-07
5873	488592.59, 3860685.1	2.19E-03	6.92E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.71E-03	1.17E-06	3.40E-07
5874	488492.71, 3860686.49	2.19E-03	6.92E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.70E-03	1.17E-06	3.40E-07
5875	488299.07, 3860762.18	2.13E-03	6.72E-07	1.95E-07	2.29E-03	7.24E-07	2.11E-07	3.59E-03	1.13E-06	3.30E-07
5876	488205.32, 3860764.09	2.11E-03	6.66E-07	1.94E-07	2.27E-03	7.17E-07	2.09E-07	3.56E-03	1.12E-06	3.27E-07
5877	488111.56, 3860766	2.08E-03	6.58E-07	1.91E-07	2.25E-03	7.09E-07	2.06E-07	3.51E-03	1.11E-06	3.23E-07
5878	488017.81, 3860767.91	2.06E-03	6.51E-07	1.89E-07	2.22E-03	7.01E-07	2.04E-07	3.47E-03	1.10E-06	3.19E-07
5879	487924.06, 3860769.81	2.05E-03	6.45E-07	1.88E-07	2.20E-03	6.95E-07	2.02E-07	3.44E-03	1.09E-06	3.16E-07
5880	487830.31, 3860771.72	2.03E-03	6.42E-07	1.87E-07	2.19E-03	6.91E-07	2.01E-07	3.42E-03	1.08E-06	3.14E-07
5881	487736.55, 3860773.63	2.03E-03	6.40E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.41E-03	1.08E-06	3.13E-07
5882	487642.8, 3860775.54	2.03E-03	6.40E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.41E-03	1.08E-06	3.13E-07
5883	487549.48, 3860684.71	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.22E-07	2.10E-07	3.57E-03	1.13E-06	3.28E-07
5884	487549.91, 3860591.97	2.21E-03	6.97E-07	2.03E-07	2.38E-03	7.51E-07	2.18E-07	3.72E-03	1.17E-06	3.41E-07
5885	487550.34, 3860499.23	2.31E-03	7.30E-07	2.12E-07	2.49E-03	7.87E-07	2.29E-07	3.89E-03	1.23E-06	3.57E-07
5886	487550.76, 3860406.49	2.43E-03	7.68E-07	2.23E-07	2.62E-03	8.27E-07	2.40E-07	4.09E-03	1.29E-06	3.75E-07
5887	487551.19, 3860313.75	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.29E-03	1.35E-06	3.94E-07
5888	487551.62, 3860221.01	2.69E-03	8.48E-07	2.47E-07	2.89E-03	9.13E-07	2.66E-07	4.52E-03	1.43E-06	4.15E-07
5889	487552.05, 3860128.27	2.85E-03	9.00E-07	2.62E-07	3.07E-03	9.69E-07	2.82E-07	4.79E-03	1.51E-06	4.40E-07
5890	487552.48, 3860035.53	3.02E-03	9.55E-07	2.78E-07	3.26E-03	1.03E-06	2.99E-07	5.08E-03	1.60E-06	4.67E-07
5891	487552.91, 3859942.79	3.19E-03	1.01E-06	2.93E-07	3.43E-03	1.08E-06	3.15E-07	5.36E-03	1.69E-06	4.92E-07
5892	487553.33, 3859850.05	3.40E-03	1.07E-06	3.13E-07	3.67E-03	1.16E-06	3.37E-07	5.72E-03	1.80E-06	5.25E-07
5893	487553.76, 3859757.31	3.62E-03	1.14E-06	3.33E-07	3.90E-03	1.23E-06	3.58E-07	6.08E-03	1.92E-06	5.58E-07
5894	487554.19, 3859664.57	3.87E-03	1.22E-06	3.55E-07	4.16E-03	1.31E-06	3.82E-07	6.49E-03	2.05E-06	5.96E-07
5895	487460.2, 3859571.05	4.12E-03	1.30E-06	3.78E-07	4.44E-03	1.40E-06	4.07E-07	6.91E-03	2.18E-06	6.34E-07
5896	487365.78, 3859570.27	4.11E-03	1.30E-06	3.77E-07	4.42E-03	1.40E-06	4.06E-07	6.90E-03	2.18E-06	6.33E-07
5897	487271.36, 3859569.48	4.09E-03	1.29E-06	3.76E-07	4.41E-03	1.39E-06	4.05E-07	6.87E-03	2.17E-06	6.31E-07
5898	487176.94, 3859568.7	4.07E-03	1.29E-06	3.74E-07	4.39E-03	1.38E-06	4.03E-07	6.84E-03	2.16E-06	6.28E-07
5899	487082.51, 3859567.92	4.06E-03	1.28E-06	3.72E-07	4.37E-03	1.38E-06	4.01E-07	6.81E-03	2.15E-06	6.26E-07
5900	486988.09, 3859567.14	4.03E-03	1.27E-06	3.70E-07	4.34E-03	1.37E-06	3.99E-07	6.78E-03	2.14E-06	6.22E-07
5901	486893.67, 3859566.36	4.01E-03	1.26E-06	3.68E-07	4.32E-03	1.36E-06	3.96E-07	6.74E-03	2.13E-06	6.18E-07
5902	486799.25, 3859565.58	3.98E-03	1.26E-06	3.65E-07	4.28E-03	1.35E-06	3.93E-07	6.69E-03	2.11E-06	6.14E-07
5903	486704.83, 3859564.79	3.95E-03	1.25E-06	3.63E-07	4.25E-03	1.34E-06	3.90E-07	6.64E-03	2.10E-06	6.10E-07
5904	486610.41, 3859564.01	3.92E-03	1.24E-06	3.60E-07	4.22E-03	1.33E-06	3.88E-07	6.60E-03	2.08E-06	6.06E-07
5905	486515.99, 3859563.23	3.88E-03	1.22E-06	3.56E-07	4.18E-03	1.32E-06	3.84E-07	6.53E-03	2.06E-06	5.99E-07
5906	486421.57, 3859562.45	3.85E-03	1.21E-06	3.53E-07	4.14E-03	1.31E-06	3.80E-07	6.47E-03	2.04E-06	5.94E-07
5907	486327.14, 3859561.67	3.82E-03	1.21E-06	3.51E-07	4.11E-03	1.30E-06	3.78E-07	6.43E-03	2.03E-06	5.90E-07
5908	486232.72, 3859560.89	3.78E-03	1.19E-06	3.47E-07	4.07E-03	1.28E-06	3.74E-07	6.36E-03	2.01E-06	5.84E-07
5909	486138.3, 3859560.1	3.75E-03	1.18E-06	3.44E-07	4.03E-03	1.27E-06	3.70E-07	6.31E-03	1.99E-06	5.79E-07
5910	486043.88, 3859559.32	3.71E-03	1.17E-06	3.40E-07	3.99E-03	1.26E-06	3.67E-07	6.25E-03	1.97E-06	5.74E-07
5911	485949.35, 3859463.54	3.89E-03	1.23E-06	3.57E-07	4.19E-03	1.32E-06	3.85E-07	6.56E-03	2.07E-06	6.02E-07
5912	485949.24, 3859368.55	4.13E-03	1.30E-06	3.79E-07	4.45E-03	1.40E-06	4.09E-07	6.97E-03	2.20E-06	6.40E-07
5913	485949.12, 3859273.55	4.40E-03	1.39E-06	4.04E-07	4.74E-03	1.50E-06	4.35E-07	7.42E-03	2.34E-06	6.81E-07

5914 485949.01, 3859178.56	4.69E-03	1.48E-06	4.31E-07	5.05E-03	1.60E-06	4.64E-07	7.91E-03	2.50E-06	7.26E-07
5915 485948.9, 3859083.56	5.02E-03	1.59E-06	4.61E-07	5.41E-03	1.71E-06	4.97E-07	8.47E-03	2.67E-06	7.78E-07
5916 485948.79, 3858988.56	5.36E-03	1.69E-06	4.92E-07	5.78E-03	1.82E-06	5.30E-07	9.04E-03	2.85E-06	8.30E-07
5917 485948.67, 3858893.57	5.73E-03	1.81E-06	5.26E-07	6.17E-03	1.95E-06	5.67E-07	9.66E-03	3.05E-06	8.87E-07
5918 485948.56, 3858798.57	6.17E-03	1.95E-06	5.66E-07	6.64E-03	2.10E-06	6.10E-07	1.04E-02	3.28E-06	9.54E-07
5919 485948.45, 3858703.58	6.59E-03	2.08E-06	6.05E-07	7.09E-03	2.24E-06	6.51E-07	1.11E-02	3.50E-06	1.02E-06
5920 485948.34, 3858608.58	7.10E-03	2.24E-06	6.52E-07	7.65E-03	2.42E-06	7.03E-07	1.20E-02	3.78E-06	1.10E-06
5921 485948.22, 3858513.59	7.68E-03	2.42E-06	7.05E-07	8.27E-03	2.61E-06	7.59E-07	1.29E-02	4.08E-06	1.19E-06
5922 485948.11, 3858418.59	8.30E-03	2.62E-06	7.62E-07	8.94E-03	2.82E-06	8.21E-07	1.40E-02	4.41E-06	1.28E-06
5923 485948, 3858323.59	9.06E-03	2.86E-06	8.31E-07	9.75E-03	3.08E-06	8.95E-07	1.52E-02	4.81E-06	1.40E-06
5924 485947.89, 3858228.6	9.85E-03	3.11E-06	9.04E-07	1.06E-02	3.35E-06	9.74E-07	1.66E-02	5.23E-06	1.52E-06
5925 485947.77, 3858133.6	1.08E-02	3.39E-06	9.87E-07	1.16E-02	3.66E-06	1.06E-06	1.81E-02	5.71E-06	1.66E-06
5926 485947.66, 3858038.61	1.20E-02	3.78E-06	1.10E-06	1.29E-02	4.08E-06	1.19E-06	2.02E-02	6.36E-06	1.85E-06
5927 485854.54, 3857943.35	1.24E-02	3.92E-06	1.14E-06	1.34E-02	4.22E-06	1.23E-06	2.09E-02	6.59E-06	1.92E-06
5928 485761.52, 3857943.09	1.18E-02	3.71E-06	1.08E-06	1.27E-02	4.00E-06	1.16E-06	1.98E-02	6.24E-06	1.81E-06
5929 485668.51, 3857942.83	1.12E-02	3.54E-06	1.03E-06	1.21E-02	3.81E-06	1.11E-06	1.88E-02	5.95E-06	1.73E-06
5930 485575.5, 3857942.56	1.06E-02	3.36E-06	9.77E-07	1.15E-02	3.62E-06	1.05E-06	1.79E-02	5.65E-06	1.64E-06
5931 485482.48, 3857942.3	1.02E-02	3.21E-06	9.35E-07	1.10E-02	3.46E-06	1.01E-06	1.71E-02	5.40E-06	1.57E-06
5932 485389.47, 3857942.04	9.75E-03	3.08E-06	8.95E-07	1.05E-02	3.31E-06	9.64E-07	1.64E-02	5.18E-06	1.51E-06
5933 485296.46, 3857941.78	9.35E-03	2.95E-06	8.58E-07	1.01E-02	3.18E-06	9.24E-07	1.57E-02	4.97E-06	1.44E-06
5934 485203.45, 3857941.52	9.02E-03	2.85E-06	8.28E-07	9.72E-03	3.07E-06	8.92E-07	1.52E-02	4.79E-06	1.39E-06
5935 485110.43, 3857941.26	8.66E-03	2.73E-06	7.95E-07	9.33E-03	2.94E-06	8.56E-07	1.46E-02	4.60E-06	1.34E-06
5936 485017.42, 3857940.99	8.31E-03	2.62E-06	7.63E-07	8.95E-03	2.82E-06	8.21E-07	1.40E-02	4.42E-06	1.28E-06
5937 484924.41, 3857940.73	7.98E-03	2.52E-06	7.32E-07	8.59E-03	2.71E-06	7.89E-07	1.34E-02	4.24E-06	1.23E-06
5938 484831.39, 3857940.47	7.70E-03	2.43E-06	7.06E-07	8.29E-03	2.62E-06	7.61E-07	1.30E-02	4.09E-06	1.19E-06
5939 484738.12, 3857859.3	7.79E-03	2.46E-06	7.15E-07	8.39E-03	2.65E-06	7.71E-07	1.31E-02	4.14E-06	1.21E-06
5940 484737.85, 3857778.4	8.22E-03	2.59E-06	7.54E-07	8.85E-03	2.79E-06	8.13E-07	1.38E-02	4.37E-06	1.27E-06
5941 484737.59, 3857697.49	8.66E-03	2.73E-06	7.95E-07	9.33E-03	2.94E-06	8.57E-07	1.46E-02	4.61E-06	1.34E-06
5942 484737.32, 3857616.59	9.11E-03	2.88E-06	8.37E-07	9.82E-03	3.10E-06	9.01E-07	1.53E-02	4.84E-06	1.41E-06
5943 484645.53, 3857535.18	9.23E-03	2.91E-06	8.47E-07	9.94E-03	3.14E-06	9.13E-07	1.55E-02	4.91E-06	1.43E-06
5944 484553.99, 3857534.67	8.84E-03	2.79E-06	8.12E-07	9.52E-03	3.01E-06	8.74E-07	1.49E-02	4.70E-06	1.37E-06
5945 484462.46, 3857534.17	8.51E-03	2.69E-06	7.82E-07	9.17E-03	2.89E-06	8.42E-07	1.43E-02	4.53E-06	1.32E-06
5946 484370.93, 3857533.66	8.19E-03	2.59E-06	7.52E-07	8.83E-03	2.79E-06	8.10E-07	1.38E-02	4.36E-06	1.27E-06
5947 484279.4, 3857533.16	7.90E-03	2.49E-06	7.25E-07	8.51E-03	2.69E-06	7.82E-07	1.33E-02	4.21E-06	1.22E-06
5948 484187.86, 3857532.65	7.62E-03	2.40E-06	6.99E-07	8.20E-03	2.59E-06	7.53E-07	1.29E-02	4.06E-06	1.18E-06
5949 484096.33, 3857532.15	7.36E-03	2.32E-06	6.76E-07	7.93E-03	2.50E-06	7.28E-07	1.24E-02	3.92E-06	1.14E-06
5950 484004.8, 3857531.64	7.10E-03	2.24E-06	6.52E-07	7.65E-03	2.41E-06	7.02E-07	1.20E-02	3.78E-06	1.10E-06
5951 483913.27, 3857531.14	6.82E-03	2.15E-06	6.27E-07	7.35E-03	2.32E-06	6.75E-07	1.15E-02	3.64E-06	1.06E-06
5952 483821.73, 3857530.63	6.59E-03	2.08E-06	6.05E-07	7.10E-03	2.24E-06	6.52E-07	1.11E-02	3.51E-06	1.02E-06
5953 483729.61, 3857450.11	6.62E-03	2.09E-06	6.07E-07	7.13E-03	2.25E-06	6.54E-07	1.12E-02	3.53E-06	1.03E-06
5954 483729.03, 3857370.08	6.92E-03	2.18E-06	6.35E-07	7.45E-03	2.35E-06	6.84E-07	1.17E-02	3.69E-06	1.07E-06
5955 483728.44, 3857290.06	7.20E-03	2.27E-06	6.61E-07	7.76E-03	2.45E-06	7.12E-07	1.22E-02	3.84E-06	1.12E-06
5956 483727.86, 3857210.03	7.49E-03	2.36E-06	6.87E-07	8.07E-03	2.55E-06	7.41E-07	1.27E-02	3.99E-06	1.16E-06
5957 483641.15, 3857129.07	7.53E-03	2.38E-06	6.92E-07	8.12E-03	2.56E-06	7.45E-07	1.27E-02	4.02E-06	1.17E-06
5958 483555.03, 3857128.14	7.27E-03	2.29E-06	6.67E-07	7.83E-03	2.47E-06	7.19E-07	1.23E-02	3.88E-06	1.13E-06
5959 483468.91, 3857127.2	6.97E-03	2.20E-06	6.40E-07	7.51E-03	2.37E-06	6.90E-07	1.18E-02	3.72E-06	1.08E-06
5960 483382.78, 3857126.26	6.76E-03	2.13E-06	6.21E-07	7.29E-03	2.30E-06	6.69E-07	1.14E-02	3.61E-06	1.05E-06
5961 483296.66, 3857125.32	6.53E-03	2.06E-06	5.99E-07	7.04E-03	2.22E-06	6.46E-07	1.11E-02	3.49E-06	1.01E-06
5962 483210.54, 3857124.39	6.30E-03	1.99E-06	5.78E-07	6.79E-03	2.14E-06	6.23E-07	1.07E-02	3.37E-06	9.80E-07
5963 483123.4, 3857030.96	6.33E-03	2.00E-06	5.81E-07	6.83E-03	2.15E-06	6.27E-07	1.07E-02	3.39E-06	9.85E-07
5964 483122.38, 3856938.46	6.61E-03	2.09E-06	6.07E-07	7.13E-03	2.25E-06	6.54E-07	1.12E-02	3.54E-06	1.03E-06
5965 483121.35, 3856845.97	6.90E-03	2.18E-06	6.34E-07	7.44E-03	2.35E-06	6.83E-07	1.17E-02	3.69E-06	1.07E-06
5966 483120.33, 3856753.47	7.15E-03	2.26E-06	6.57E-07	7.71E-03	2.43E-06	7.08E-07	1.21E-02	3.83E-06	1.11E-06
5967 483119.31, 3856660.98	7.41E-03	2.34E-06	6.81E-07	7.99E-03	2.52E-06	7.34E-07	1.26E-02	3.97E-06	1.15E-06
5968 483118.29, 3856568.49	7.71E-03	2.43E-06	7.08E-07	8.32E-03	2.62E-06	7.63E-07	1.31E-02	4.13E-06	1.20E-06
5969 483117.26, 3856475.99	8.05E-03	2.54E-06	7.39E-07	8.68E-03	2.74E-06	7.97E-07	1.37E-02	4.31E-06	1.25E-06
5970 483116.24, 3856383.5	8.38E-03	2.64E-06	7.69E-07	9.03E-03	2.85E-06	8.29E-07	1.42E-02	4.49E-06	1.30E-06
5971 483115.22, 3856291.01	8.74E-03	2.76E-06	8.02E-07	9.42E-03	2.97E-06	8.65E-07	1.48E-02	4.68E-06	1.36E-06
5972 483114.2, 3856198.51	9.08E-03	2.87E-06	8.34E-07	9.79E-03	3.09E-06	8.99E-07	1.54E-02	4.87E-06	1.42E-06
5973 483113.17, 3856106.02	9.55E-03	3.02E-06	8.77E-07	1.03E-02	3.25E-06	9.46E-07	1.62E-02	5.12E-06	1.49E-06
5974 483112.15, 3856013.52	9.99E-03	3.15E-06	9.17E-07	1.08E-02	3.40E-06	9.89E-07	1.70E-02	5.36E-06	1.56E-06

5975	483029.25, 3855920.47	1.00E-02	3.16E-06	9.18E-07	1.08E-02	3.40E-06	9.90E-07	1.70E-02	5.37E-06	1.56E-06
5976	482947.37, 3855919.91	9.50E-03	3.00E-06	8.72E-07	1.02E-02	3.23E-06	9.40E-07	1.62E-02	5.10E-06	1.48E-06
5977	482865.49, 3855919.36	9.01E-03	2.84E-06	8.27E-07	9.72E-03	3.07E-06	8.92E-07	1.54E-02	4.85E-06	1.41E-06
5978	482783.61, 3855918.8	8.60E-03	2.72E-06	7.90E-07	9.28E-03	2.93E-06	8.52E-07	1.47E-02	4.63E-06	1.35E-06
5979	482700.33, 3855818.39	8.53E-03	2.69E-06	7.83E-07	9.20E-03	2.90E-06	8.45E-07	1.46E-02	4.59E-06	1.34E-06
5980	482698.92, 3855718.54	8.94E-03	2.82E-06	8.20E-07	9.64E-03	3.04E-06	8.85E-07	1.53E-02	4.82E-06	1.40E-06
5981	482697.52, 3855618.68	9.32E-03	2.94E-06	8.56E-07	1.01E-02	3.18E-06	9.24E-07	1.59E-02	5.03E-06	1.46E-06
5982	482696.11, 3855518.83	9.82E-03	3.10E-06	9.02E-07	1.06E-02	3.34E-06	9.73E-07	1.68E-02	5.31E-06	1.54E-06
5983	482694.71, 3855418.98	1.03E-02	3.24E-06	9.43E-07	1.11E-02	3.50E-06	1.02E-06	1.76E-02	5.56E-06	1.62E-06
5984	482693.3, 3855319.13	1.08E-02	3.40E-06	9.89E-07	1.16E-02	3.67E-06	1.07E-06	1.85E-02	5.84E-06	1.70E-06
5985	482691.9, 3855219.27	1.14E-02	3.59E-06	1.04E-06	1.23E-02	3.88E-06	1.13E-06	1.96E-02	6.18E-06	1.80E-06
5986	482690.49, 3855119.42	1.20E-02	3.78E-06	1.10E-06	1.29E-02	4.08E-06	1.19E-06	2.07E-02	6.52E-06	1.90E-06
5987	482689.09, 3855019.57	1.29E-02	4.06E-06	1.18E-06	1.39E-02	4.38E-06	1.28E-06	2.23E-02	7.02E-06	2.04E-06
5988	482687.68, 3854919.72	1.36E-02	4.30E-06	1.25E-06	1.47E-02	4.65E-06	1.35E-06	2.37E-02	7.47E-06	2.17E-06
5989	482686.28, 3854819.86	1.46E-02	4.61E-06	1.34E-06	1.58E-02	4.99E-06	1.45E-06	2.55E-02	8.04E-06	2.34E-06
5990	482684.88, 3854720.01	1.54E-02	4.85E-06	1.41E-06	1.66E-02	5.25E-06	1.53E-06	2.69E-02	8.49E-06	2.47E-06
5991	482683.47, 3854620.16	1.63E-02	5.15E-06	1.50E-06	1.77E-02	5.57E-06	1.62E-06	2.87E-02	9.06E-06	2.63E-06
5992	482682.07, 3854520.31	1.67E-02	5.26E-06	1.53E-06	1.81E-02	5.70E-06	1.66E-06	2.95E-02	9.30E-06	2.70E-06
5993	482680.66, 3854420.45	1.65E-02	5.20E-06	1.51E-06	1.79E-02	5.64E-06	1.64E-06	2.92E-02	9.22E-06	2.68E-06
5994	482679.26, 3854320.6	1.58E-02	4.98E-06	1.45E-06	1.71E-02	5.40E-06	1.57E-06	2.81E-02	8.87E-06	2.58E-06
5995	482677.85, 3854220.75	1.53E-02	4.83E-06	1.40E-06	1.66E-02	5.23E-06	1.52E-06	2.72E-02	8.59E-06	2.50E-06
5996	482676.45, 3854120.9	1.38E-02	4.35E-06	1.26E-06	1.49E-02	4.71E-06	1.37E-06	2.44E-02	7.71E-06	2.24E-06
5997	482675.04, 3854021.04	1.23E-02	3.89E-06	1.13E-06	1.33E-02	4.21E-06	1.22E-06	2.17E-02	6.84E-06	1.99E-06
5998	482673.64, 3853921.19	1.07E-02	3.39E-06	9.86E-07	1.16E-02	3.66E-06	1.07E-06	1.86E-02	5.87E-06	1.71E-06
5999	482672.23, 3853821.34	9.36E-03	2.95E-06	8.59E-07	1.01E-02	3.18E-06	9.26E-07	1.58E-02	4.99E-06	1.45E-06
6000	482670.83, 3853721.49	7.86E-03	2.48E-06	7.22E-07	8.43E-03	2.66E-06	7.74E-07	1.28E-02	4.05E-06	1.18E-06
6001	482669.42, 3853621.63	6.48E-03	2.04E-06	5.95E-07	6.92E-03	2.18E-06	6.35E-07	1.02E-02	3.22E-06	9.35E-07
6002	482645.99, 3853446.13	4.47E-03	1.41E-06	4.10E-07	4.78E-03	1.51E-06	4.39E-07	7.10E-03	2.24E-06	6.51E-07
6003	482623.97, 3853370.49	3.80E-03	1.20E-06	3.49E-07	4.08E-03	1.29E-06	3.74E-07	6.17E-03	1.95E-06	5.67E-07
6004	482601.94, 3853294.84	3.36E-03	1.06E-06	3.09E-07	3.61E-03	1.14E-06	3.32E-07	5.53E-03	1.75E-06	5.08E-07
6005	482531.29, 3853133.44	2.78E-03	8.78E-07	2.55E-07	2.99E-03	9.44E-07	2.75E-07	4.63E-03	1.46E-06	4.25E-07
6006	482482.68, 3853047.69	2.57E-03	8.12E-07	2.36E-07	2.77E-03	8.73E-07	2.54E-07	4.30E-03	1.36E-06	3.94E-07
6007	482383.09, 3852897.4	2.28E-03	7.19E-07	2.09E-07	2.45E-03	7.74E-07	2.25E-07	3.82E-03	1.21E-06	3.51E-07
6008	482265.64, 3852765.26	2.09E-03	6.59E-07	1.92E-07	2.25E-03	7.10E-07	2.07E-07	3.51E-03	1.11E-06	3.22E-07
6009	482199.16, 3852697.66	2.01E-03	6.34E-07	1.84E-07	2.16E-03	6.83E-07	1.99E-07	3.38E-03	1.07E-06	3.10E-07
6010	482132.69, 3852630.07	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.25E-03	1.03E-06	2.99E-07
6011	482066.21, 3852562.48	1.86E-03	5.88E-07	1.71E-07	2.01E-03	6.33E-07	1.84E-07	3.14E-03	9.90E-07	2.88E-07
6012	481999.74, 3852494.89	1.80E-03	5.67E-07	1.65E-07	1.93E-03	6.10E-07	1.77E-07	3.02E-03	9.54E-07	2.78E-07
6013	481933.26, 3852427.29	1.73E-03	5.47E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.92E-03	9.21E-07	2.68E-07
6014	481866.79, 3852359.7	1.67E-03	5.28E-07	1.54E-07	1.80E-03	5.69E-07	1.65E-07	2.82E-03	8.90E-07	2.59E-07
6015	481800.31, 3852292.11	1.62E-03	5.10E-07	1.48E-07	1.74E-03	5.49E-07	1.60E-07	2.72E-03	8.60E-07	2.50E-07
6016	481733.84, 3852224.52	1.56E-03	4.93E-07	1.43E-07	1.68E-03	5.31E-07	1.54E-07	2.63E-03	8.32E-07	2.42E-07
6017	481667.36, 3852156.92	1.51E-03	4.76E-07	1.39E-07	1.63E-03	5.13E-07	1.49E-07	2.55E-03	8.04E-07	2.34E-07
6018	481600.89, 3852089.33	1.46E-03	4.62E-07	1.34E-07	1.58E-03	4.97E-07	1.45E-07	2.47E-03	7.79E-07	2.27E-07
6019	481534.41, 3852021.74	1.42E-03	4.48E-07	1.30E-07	1.53E-03	4.83E-07	1.40E-07	2.40E-03	7.57E-07	2.20E-07
6020	481467.94, 3851954.15	1.38E-03	4.35E-07	1.27E-07	1.49E-03	4.69E-07	1.36E-07	2.33E-03	7.35E-07	2.14E-07
6021	481401.46, 3851886.55	1.34E-03	4.22E-07	1.23E-07	1.44E-03	4.55E-07	1.32E-07	2.26E-03	7.13E-07	2.07E-07
6022	481265.87, 3851761.43	1.27E-03	4.01E-07	1.17E-07	1.37E-03	4.33E-07	1.26E-07	2.15E-03	6.78E-07	1.97E-07
6023	481196.74, 3851703.89	1.24E-03	3.93E-07	1.14E-07	1.34E-03	4.23E-07	1.23E-07	2.10E-03	6.63E-07	1.93E-07
6024	481076.33, 3851619.05	1.21E-03	3.81E-07	1.11E-07	1.30E-03	4.11E-07	1.20E-07	2.04E-03	6.45E-07	1.88E-07
6025	480939.8, 3851549.07	1.18E-03	3.73E-07	1.09E-07	1.27E-03	4.02E-07	1.17E-07	2.00E-03	6.32E-07	1.84E-07
6026	480854.56, 3851506.41	1.17E-03	3.68E-07	1.07E-07	1.26E-03	3.97E-07	1.16E-07	1.98E-03	6.24E-07	1.82E-07
6027	480769.32, 3851463.75	1.15E-03	3.64E-07	1.06E-07	1.24E-03	3.93E-07	1.14E-07	1.96E-03	6.18E-07	1.80E-07
6028	480684.08, 3851421.08	1.14E-03	3.60E-07	1.05E-07	1.23E-03	3.88E-07	1.13E-07	1.93E-03	6.11E-07	1.78E-07
6029	480598.84, 3851378.42	1.13E-03	3.55E-07	1.03E-07	1.21E-03	3.83E-07	1.11E-07	1.91E-03	6.03E-07	1.75E-07
6030	480435.71, 3851275.01	1.09E-03	3.43E-07	9.96E-08	1.17E-03	3.69E-07	1.07E-07	1.85E-03	5.83E-07	1.70E-07
6031	480347.85, 3851232.36	1.07E-03	3.37E-07	9.81E-08	1.15E-03	3.64E-07	1.06E-07	1.82E-03	5.74E-07	1.67E-07
6032	480260, 3851189.72	1.05E-03	3.31E-07	9.64E-08	1.13E-03	3.57E-07	1.04E-07	1.79E-03	5.65E-07	1.64E-07
6033	480172.15, 3851147.07	1.03E-03	3.25E-07	9.46E-08	1.11E-03	3.51E-07	1.02E-07	1.76E-03	5.54E-07	1.61E-07
6034	480084.29, 3851104.42	1.01E-03	3.18E-07	9.26E-08	1.09E-03	3.43E-07	9.99E-08	1.72E-03	5.43E-07	1.58E-07
6035	479996.44, 3851061.77	9.85E-04	3.11E-07	9.04E-08	1.06E-03	3.35E-07	9.75E-08	1.68E-03	5.30E-07	1.54E-07

6036	479908.58, 3851019.13	9.55E-04	3.02E-07	8.77E-08	1.03E-03	3.25E-07	9.46E-08	1.63E-03	5.15E-07	1.50E-07
6037	479820.73, 3850976.48	9.29E-04	2.93E-07	8.52E-08	1.00E-03	3.16E-07	9.20E-08	1.58E-03	5.00E-07	1.45E-07
6038	479732.88, 3850933.83	9.00E-04	2.84E-07	8.27E-08	9.71E-04	3.07E-07	8.92E-08	1.54E-03	4.85E-07	1.41E-07
6039	479645.02, 3850891.18	8.73E-04	2.75E-07	8.01E-08	9.41E-04	2.97E-07	8.64E-08	1.49E-03	4.70E-07	1.37E-07
6040	479557.17, 3850848.54	8.45E-04	2.67E-07	7.76E-08	9.12E-04	2.88E-07	8.37E-08	1.44E-03	4.55E-07	1.32E-07
6041	479469.32, 3850805.89	8.14E-04	2.57E-07	7.47E-08	8.78E-04	2.77E-07	8.06E-08	1.39E-03	4.38E-07	1.27E-07
6042	479381.46, 3850763.24	7.88E-04	2.49E-07	7.23E-08	8.50E-04	2.68E-07	7.80E-08	1.34E-03	4.23E-07	1.23E-07
6043	479293.61, 3850720.59	7.65E-04	2.41E-07	7.02E-08	8.25E-04	2.60E-07	7.57E-08	1.30E-03	4.10E-07	1.19E-07
6044	479205.76, 3850677.95	7.40E-04	2.34E-07	6.80E-08	7.98E-04	2.52E-07	7.33E-08	1.26E-03	3.97E-07	1.15E-07
6045	479117.9, 3850635.3	7.17E-04	2.26E-07	6.59E-08	7.73E-04	2.44E-07	7.10E-08	1.22E-03	3.84E-07	1.12E-07
6046	479030.05, 3850592.65	6.94E-04	2.19E-07	6.37E-08	7.48E-04	2.36E-07	6.87E-08	1.17E-03	3.71E-07	1.08E-07
6047	478942.19, 3850550	6.65E-04	2.10E-07	6.11E-08	7.17E-04	2.26E-07	6.58E-08	1.13E-03	3.55E-07	1.03E-07
6048	478854.34, 3850507.36	6.26E-04	1.98E-07	5.75E-08	6.75E-04	2.13E-07	6.20E-08	1.06E-03	3.35E-07	9.74E-08
6049	478766.49, 3850464.71	5.98E-04	1.89E-07	5.49E-08	6.44E-04	2.03E-07	5.91E-08	1.01E-03	3.20E-07	9.29E-08
6050	478678.63, 3850422.06	5.73E-04	1.81E-07	5.26E-08	6.17E-04	1.95E-07	5.67E-08	9.70E-04	3.06E-07	8.91E-08
6051	478590.78, 3850379.41	5.49E-04	1.73E-07	5.04E-08	5.91E-04	1.87E-07	5.43E-08	9.29E-04	2.93E-07	8.53E-08
6052	478502.93, 3850336.77	5.29E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	8.96E-04	2.83E-07	8.22E-08
6053	478415.07, 3850294.12	5.12E-04	1.62E-07	4.70E-08	5.52E-04	1.74E-07	5.07E-08	8.67E-04	2.74E-07	7.96E-08
6054	478327.22, 3850251.47	4.93E-04	1.56E-07	4.53E-08	5.31E-04	1.68E-07	4.88E-08	8.35E-04	2.63E-07	7.66E-08
6055	478239.36, 3850208.82	4.77E-04	1.51E-07	4.38E-08	5.14E-04	1.62E-07	4.72E-08	8.08E-04	2.55E-07	7.41E-08
6056	478151.51, 3850166.18	4.64E-04	1.46E-07	4.26E-08	5.00E-04	1.58E-07	4.59E-08	7.85E-04	2.48E-07	7.21E-08
6057	478063.66, 3850123.53	4.51E-04	1.42E-07	4.14E-08	4.86E-04	1.54E-07	4.47E-08	7.64E-04	2.41E-07	7.02E-08
6058	477975.8, 3850080.88	4.54E-04	1.43E-07	4.17E-08	4.89E-04	1.54E-07	4.49E-08	7.67E-04	2.42E-07	7.05E-08
6059	477887.95, 3850038.23	4.48E-04	1.41E-07	4.11E-08	4.83E-04	1.52E-07	4.43E-08	7.57E-04	2.39E-07	6.95E-08
6060	477800.1, 3849995.59	4.44E-04	1.40E-07	4.08E-08	4.79E-04	1.51E-07	4.39E-08	7.50E-04	2.37E-07	6.88E-08
6061	477712.24, 3849952.94	4.37E-04	1.38E-07	4.02E-08	4.71E-04	1.49E-07	4.33E-08	7.38E-04	2.33E-07	6.78E-08
6062	477624.39, 3849910.29	4.31E-04	1.36E-07	3.96E-08	4.65E-04	1.47E-07	4.27E-08	7.28E-04	2.30E-07	6.68E-08
6063	477536.54, 3849867.64	4.27E-04	1.35E-07	3.92E-08	4.60E-04	1.45E-07	4.22E-08	7.20E-04	2.27E-07	6.61E-08
6064	477448.68, 3849825	4.21E-04	1.33E-07	3.86E-08	4.53E-04	1.43E-07	4.16E-08	7.10E-04	2.24E-07	6.52E-08
6065	477360.83, 3849782.35	4.16E-04	1.31E-07	3.81E-08	4.48E-04	1.41E-07	4.11E-08	7.01E-04	2.21E-07	6.44E-08
6066	477272.97, 3849739.7	4.10E-04	1.30E-07	3.77E-08	4.42E-04	1.40E-07	4.06E-08	6.93E-04	2.19E-07	6.36E-08
6067	477185.12, 3849697.05	4.07E-04	1.28E-07	3.73E-08	4.38E-04	1.38E-07	4.02E-08	6.86E-04	2.17E-07	6.30E-08
6068	477097.27, 3849654.41	4.02E-04	1.27E-07	3.69E-08	4.33E-04	1.37E-07	3.97E-08	6.79E-04	2.14E-07	6.23E-08
6069	477009.41, 3849611.76	3.94E-04	1.24E-07	3.62E-08	4.24E-04	1.34E-07	3.90E-08	6.66E-04	2.10E-07	6.12E-08
6070	476841.49, 3849530.08	3.86E-04	1.22E-07	3.54E-08	4.16E-04	1.31E-07	3.82E-08	6.53E-04	2.06E-07	6.00E-08
6071	476761.41, 3849491.05	3.83E-04	1.21E-07	3.52E-08	4.13E-04	1.30E-07	3.79E-08	6.49E-04	2.05E-07	5.96E-08
6072	476681.34, 3849452.02	3.79E-04	1.20E-07	3.48E-08	4.09E-04	1.29E-07	3.75E-08	6.43E-04	2.03E-07	5.90E-08
6073	476601.26, 3849412.99	3.75E-04	1.18E-07	3.44E-08	4.04E-04	1.27E-07	3.71E-08	6.35E-04	2.00E-07	5.83E-08
6074	476456.32, 3849353.67	3.65E-04	1.15E-07	3.36E-08	3.94E-04	1.24E-07	3.62E-08	6.20E-04	1.96E-07	5.69E-08
6075	476305.43, 3849318.84	3.69E-04	1.16E-07	3.39E-08	3.98E-04	1.25E-07	3.65E-08	6.25E-04	1.97E-07	5.74E-08
6076	476129.36, 3849289.99	3.70E-04	1.17E-07	3.40E-08	3.99E-04	1.26E-07	3.66E-08	6.28E-04	1.98E-07	5.77E-08
6077	476039.31, 3849275.68	3.71E-04	1.17E-07	3.41E-08	4.00E-04	1.26E-07	3.67E-08	6.30E-04	1.99E-07	5.78E-08
6078	475949.26, 3849261.38	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.63E-08	6.23E-04	1.97E-07	5.72E-08
6079	475859.21, 3849247.08	3.67E-04	1.16E-07	3.37E-08	3.95E-04	1.25E-07	3.63E-08	6.22E-04	1.96E-07	5.71E-08
6080	475769.16, 3849232.77	3.65E-04	1.15E-07	3.35E-08	3.93E-04	1.24E-07	3.61E-08	6.20E-04	1.96E-07	5.69E-08
6081	475585.23, 3849219.27	3.21E-04	1.01E-07	2.94E-08	3.46E-04	1.09E-07	3.17E-08	5.46E-04	1.72E-07	5.01E-08
6082	475444.5, 3849150.35	3.43E-04	1.08E-07	3.15E-08	3.70E-04	1.17E-07	3.40E-08	5.84E-04	1.84E-07	5.36E-08
6083	475334.18, 3849118.71	3.47E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.90E-04	1.86E-07	5.42E-08
6084	475230.47, 3849060.57	3.43E-04	1.08E-07	3.15E-08	3.69E-04	1.17E-07	3.39E-08	5.83E-04	1.84E-07	5.35E-08
6085	475110.86, 3848960.97	3.34E-04	1.05E-07	3.06E-08	3.60E-04	1.14E-07	3.30E-08	5.67E-04	1.79E-07	5.21E-08
6086	475037.79, 3848896.28	3.25E-04	1.03E-07	2.99E-08	3.51E-04	1.11E-07	3.22E-08	5.54E-04	1.75E-07	5.08E-08
6087	474964.72, 3848831.59	3.18E-04	1.00E-07	2.92E-08	3.43E-04	1.08E-07	3.15E-08	5.41E-04	1.71E-07	4.97E-08
6088	474891.65, 3848766.9	3.13E-04	9.87E-08	2.87E-08	3.37E-04	1.06E-07	3.10E-08	5.32E-04	1.68E-07	4.89E-08
6089	474818.58, 3848702.22	3.09E-04	9.76E-08	2.84E-08	3.33E-04	1.05E-07	3.06E-08	5.26E-04	1.66E-07	4.83E-08
6090	474745.51, 3848637.53	3.11E-04	9.82E-08	2.86E-08	3.36E-04	1.06E-07	3.08E-08	5.29E-04	1.67E-07	4.86E-08
6091	474672.44, 3848572.84	3.09E-04	9.76E-08	2.84E-08	3.33E-04	1.05E-07	3.06E-08	5.26E-04	1.66E-07	4.83E-08
6092	474599.37, 3848508.15	3.03E-04	9.55E-08	2.78E-08	3.26E-04	1.03E-07	3.00E-08	5.15E-04	1.62E-07	4.72E-08
6093	474526.3, 3848443.46	2.98E-04	9.42E-08	2.74E-08	3.22E-04	1.02E-07	2.95E-08	5.07E-04	1.60E-07	4.66E-08

Block Swap Yard - Worker Risk

Rec#	X, Y	2028 RD Concentrat	Dose	Risk	2033 RD Concentratic	Dose	Risk	2048 RD Concentrat	Dose	Risk
1	485973.61, 3854936.51	1.17E-02	1.84E-06	6.43E-07	1.26E-02	1.99E-06	6.93E-07	1.98E-02	3.13E-06	1.09E-06
2	486023.61, 3854936.51	1.14E-02	1.79E-06	6.24E-07	1.23E-02	1.93E-06	6.72E-07	1.93E-02	3.04E-06	1.06E-06
3	486073.61, 3854936.51	1.11E-02	1.75E-06	6.11E-07	1.20E-02	1.89E-06	6.58E-07	1.89E-02	2.97E-06	1.04E-06
4	486123.61, 3854936.51	1.07E-02	1.68E-06	5.86E-07	1.15E-02	1.81E-06	6.32E-07	1.81E-02	2.86E-06	9.95E-07
5	486173.61, 3854936.51	1.06E-02	1.67E-06	5.80E-07	1.14E-02	1.80E-06	6.26E-07	1.80E-02	2.83E-06	9.85E-07
6	486223.61, 3854936.51	1.03E-02	1.62E-06	5.65E-07	1.11E-02	1.75E-06	6.09E-07	1.75E-02	2.75E-06	9.59E-07
7	486273.61, 3854936.51	1.01E-02	1.59E-06	5.53E-07	1.09E-02	1.71E-06	5.96E-07	1.71E-02	2.69E-06	9.39E-07
8	486323.61, 3854936.51	9.88E-03	1.56E-06	5.42E-07	1.06E-02	1.68E-06	5.84E-07	1.68E-02	2.64E-06	9.21E-07
9	485973.61, 3854986.51	1.25E-02	1.97E-06	6.85E-07	1.35E-02	2.12E-06	7.39E-07	2.12E-02	3.33E-06	1.16E-06
10	486023.61, 3854986.51	1.22E-02	1.92E-06	6.68E-07	1.31E-02	2.07E-06	7.20E-07	2.06E-02	3.25E-06	1.13E-06
11	486073.61, 3854986.51	1.18E-02	1.86E-06	6.47E-07	1.27E-02	2.00E-06	6.98E-07	2.00E-02	3.15E-06	1.10E-06
12	486123.61, 3854986.51	1.15E-02	1.80E-06	6.29E-07	1.23E-02	1.94E-06	6.78E-07	1.94E-02	3.06E-06	1.07E-06
13	486173.61, 3854986.51	1.12E-02	1.77E-06	6.17E-07	1.21E-02	1.91E-06	6.65E-07	1.91E-02	3.01E-06	1.05E-06
14	486223.61, 3854986.51	1.09E-02	1.72E-06	5.99E-07	1.18E-02	1.85E-06	6.46E-07	1.85E-02	2.92E-06	1.02E-06
15	486273.61, 3854986.51	1.06E-02	1.67E-06	5.80E-07	1.14E-02	1.80E-06	6.26E-07	1.80E-02	2.83E-06	9.85E-07
16	486323.61, 3854986.51	1.05E-02	1.66E-06	5.77E-07	1.13E-02	1.79E-06	6.22E-07	1.78E-02	2.81E-06	9.80E-07
17	485973.61, 3855036.51	1.33E-02	2.10E-06	7.33E-07	1.44E-02	2.27E-06	7.90E-07	2.26E-02	3.56E-06	1.24E-06
18	486023.61, 3855036.51	1.30E-02	2.04E-06	7.11E-07	1.40E-02	2.20E-06	7.66E-07	2.19E-02	3.46E-06	1.20E-06
19	486073.61, 3855036.51	1.25E-02	1.97E-06	6.85E-07	1.35E-02	2.12E-06	7.39E-07	2.12E-02	3.33E-06	1.16E-06
20	486123.61, 3855036.51	1.21E-02	1.91E-06	6.66E-07	1.31E-02	2.06E-06	7.18E-07	2.06E-02	3.24E-06	1.13E-06
21	486173.61, 3855036.51	1.19E-02	1.88E-06	6.54E-07	1.28E-02	2.02E-06	7.05E-07	2.02E-02	3.18E-06	1.11E-06
22	486223.61, 3855036.51	1.15E-02	1.81E-06	6.32E-07	1.24E-02	1.95E-06	6.81E-07	1.95E-02	3.07E-06	1.07E-06
23	486273.61, 3855036.51	1.13E-02	1.79E-06	6.22E-07	1.22E-02	1.93E-06	6.71E-07	1.92E-02	3.03E-06	1.06E-06
24	486323.61, 3855036.51	1.10E-02	1.74E-06	6.06E-07	1.19E-02	1.88E-06	6.53E-07	1.87E-02	2.95E-06	1.03E-06
25	485973.61, 3855086.51	1.42E-02	2.24E-06	7.79E-07	1.53E-02	2.41E-06	8.39E-07	2.40E-02	3.78E-06	1.32E-06
26	486023.61, 3855086.51	1.38E-02	2.18E-06	7.59E-07	1.49E-02	2.35E-06	8.18E-07	2.34E-02	3.69E-06	1.28E-06
27	486073.61, 3855086.51	1.33E-02	2.10E-06	7.30E-07	1.43E-02	2.26E-06	7.87E-07	2.25E-02	3.55E-06	1.24E-06
28	486123.61, 3855086.51	1.30E-02	2.05E-06	7.13E-07	1.40E-02	2.20E-06	7.68E-07	2.20E-02	3.47E-06	1.21E-06
29	486173.61, 3855086.51	1.25E-02	1.98E-06	6.89E-07	1.35E-02	2.13E-06	7.42E-07	2.13E-02	3.35E-06	1.17E-06
30	486223.61, 3855086.51	1.23E-02	1.93E-06	6.72E-07	1.32E-02	2.08E-06	7.25E-07	2.08E-02	3.27E-06	1.14E-06
31	485973.61, 3855136.51	1.52E-02	2.39E-06	8.34E-07	1.64E-02	2.58E-06	8.98E-07	2.57E-02	4.05E-06	1.41E-06
32	486023.61, 3855136.51	1.47E-02	2.32E-06	8.07E-07	1.58E-02	2.50E-06	8.70E-07	2.49E-02	3.92E-06	1.37E-06
33	486073.61, 3855136.51	1.42E-02	2.24E-06	7.80E-07	1.53E-02	2.41E-06	8.41E-07	2.41E-02	3.79E-06	1.32E-06
34	486123.61, 3855136.51	1.38E-02	2.17E-06	7.57E-07	1.49E-02	2.34E-06	8.16E-07	2.34E-02	3.68E-06	1.28E-06
35	486173.61, 3855136.51	1.34E-02	2.10E-06	7.33E-07	1.44E-02	2.27E-06	7.90E-07	2.26E-02	3.56E-06	1.24E-06
36	486223.61, 3855136.51	1.30E-02	2.04E-06	7.12E-07	1.40E-02	2.20E-06	7.68E-07	2.20E-02	3.46E-06	1.21E-06
37	485973.61, 3855186.51	1.62E-02	2.56E-06	8.91E-07	1.75E-02	2.76E-06	9.60E-07	2.75E-02	4.33E-06	1.51E-06
38	486023.61, 3855186.51	1.57E-02	2.48E-06	8.63E-07	1.69E-02	2.67E-06	9.30E-07	2.66E-02	4.19E-06	1.46E-06
39	486073.61, 3855186.51	1.51E-02	2.38E-06	8.29E-07	1.63E-02	2.56E-06	8.93E-07	2.56E-02	4.03E-06	1.40E-06
40	486123.61, 3855186.51	1.45E-02	2.29E-06	7.98E-07	1.57E-02	2.47E-06	8.60E-07	2.46E-02	3.88E-06	1.35E-06
41	486173.61, 3855186.51	1.41E-02	2.22E-06	7.74E-07	1.52E-02	2.39E-06	8.34E-07	2.39E-02	3.76E-06	1.31E-06
42	486223.61, 3855186.51	1.37E-02	2.16E-06	7.51E-07	1.48E-02	2.32E-06	8.10E-07	2.32E-02	3.65E-06	1.27E-06
43	486273.61, 3855186.51	1.33E-02	2.09E-06	7.28E-07	1.43E-02	2.25E-06	7.85E-07	2.25E-02	3.54E-06	1.23E-06
44	486323.61, 3855186.51	1.32E-02	2.08E-06	7.25E-07	1.42E-02	2.24E-06	7.81E-07	2.24E-02	3.53E-06	1.23E-06
45	485973.61, 3855236.51	1.73E-02	2.72E-06	9.49E-07	1.86E-02	2.93E-06	1.02E-06	2.92E-02	4.61E-06	1.60E-06
46	486023.61, 3855236.51	1.66E-02	2.61E-06	9.11E-07	1.79E-02	2.82E-06	9.82E-07	2.81E-02	4.42E-06	1.54E-06
47	486073.61, 3855236.51	1.59E-02	2.51E-06	8.74E-07	1.72E-02	2.70E-06	9.42E-07	2.69E-02	4.24E-06	1.48E-06
48	486123.61, 3855236.51	1.54E-02	2.42E-06	8.45E-07	1.66E-02	2.61E-06	9.10E-07	2.61E-02	4.10E-06	1.43E-06
49	486173.61, 3855236.51	1.49E-02	2.35E-06	8.19E-07	1.61E-02	2.53E-06	8.82E-07	2.53E-02	3.98E-06	1.39E-06
50	486223.61, 3855236.51	1.44E-02	2.27E-06	7.92E-07	1.56E-02	2.45E-06	8.54E-07	2.44E-02	3.85E-06	1.34E-06
51	486273.61, 3855236.51	1.38E-02	2.18E-06	7.58E-07	1.49E-02	2.34E-06	8.17E-07	2.34E-02	3.69E-06	1.28E-06
52	486323.61, 3855236.51	1.39E-02	2.19E-06	7.63E-07	1.50E-02	2.36E-06	8.23E-07	2.36E-02	3.71E-06	1.29E-06
53	485973.61, 3855286.51	1.83E-02	2.89E-06	1.01E-06	1.98E-02	3.11E-06	1.08E-06	3.10E-02	4.89E-06	1.70E-06
54	486023.61, 3855286.51	1.76E-02	2.77E-06	9.63E-07	1.89E-02	2.98E-06	1.04E-06	2.97E-02	4.68E-06	1.63E-06
55	486073.61, 3855286.51	1.69E-02	2.66E-06	9.27E-07	1.82E-02	2.87E-06	9.99E-07	2.86E-02	4.50E-06	1.57E-06
56	486123.61, 3855286.51	1.62E-02	2.56E-06	8.90E-07	1.75E-02	2.75E-06	9.60E-07	2.75E-02	4.33E-06	1.51E-06
57	486173.61, 3855286.51	1.56E-02	2.46E-06	8.58E-07	1.69E-02	2.66E-06	9.25E-07	2.65E-02	4.17E-06	1.45E-06
58	486223.61, 3855286.51	1.52E-02	2.39E-06	8.34E-07	1.64E-02	2.58E-06	8.99E-07	2.57E-02	4.05E-06	1.41E-06
59	486123.61, 3855336.51	1.71E-02	2.69E-06	9.37E-07	1.84E-02	2.90E-06	1.01E-06	2.89E-02	4.55E-06	1.59E-06
60	486173.61, 3855336.51	1.65E-02	2.60E-06	9.07E-07	1.78E-02	2.81E-06	9.78E-07	2.80E-02	4.41E-06	1.54E-06

61	486223.61, 3855336.51	1.60E-02	2.52E-06	8.77E-07	1.72E-02	2.71E-06	9.45E-07	2.71E-02	4.26E-06	1.49E-06
62	486123.61, 3855386.51	1.80E-02	2.83E-06	9.87E-07	1.94E-02	3.05E-06	1.06E-06	3.05E-02	4.80E-06	1.67E-06
63	486173.61, 3855386.51	1.74E-02	2.74E-06	9.55E-07	1.87E-02	2.95E-06	1.03E-06	2.95E-02	4.64E-06	1.62E-06
64	486223.61, 3855386.51	1.69E-02	2.66E-06	9.25E-07	1.82E-02	2.86E-06	9.97E-07	2.86E-02	4.50E-06	1.57E-06
65	486533.18, 3855443.15	1.52E-02	2.39E-06	8.32E-07	1.63E-02	2.57E-06	8.97E-07	2.58E-02	4.06E-06	1.41E-06
66	486583.18, 3855443.15	1.47E-02	2.32E-06	8.09E-07	1.59E-02	2.51E-06	8.73E-07	2.51E-02	3.95E-06	1.38E-06
67	486633.18, 3855443.15	1.44E-02	2.26E-06	7.88E-07	1.55E-02	2.44E-06	8.50E-07	2.44E-02	3.85E-06	1.34E-06
68	486683.18, 3855443.15	1.41E-02	2.22E-06	7.73E-07	1.52E-02	2.39E-06	8.34E-07	2.40E-02	3.77E-06	1.31E-06
69	486533.18, 3855493.15	1.58E-02	2.49E-06	8.69E-07	1.71E-02	2.69E-06	9.37E-07	2.69E-02	4.24E-06	1.48E-06
70	486583.18, 3855493.15	1.54E-02	2.43E-06	8.47E-07	1.66E-02	2.62E-06	9.14E-07	2.62E-02	4.14E-06	1.44E-06
71	486633.18, 3855493.15	1.50E-02	2.37E-06	8.25E-07	1.62E-02	2.55E-06	8.90E-07	2.56E-02	4.03E-06	1.40E-06
72	486683.18, 3855493.15	1.47E-02	2.31E-06	8.04E-07	1.58E-02	2.49E-06	8.67E-07	2.49E-02	3.93E-06	1.37E-06
73	486533.18, 3855543.15	1.66E-02	2.61E-06	9.11E-07	1.79E-02	2.82E-06	9.82E-07	2.82E-02	4.45E-06	1.55E-06
74	486583.18, 3855543.15	1.60E-02	2.53E-06	8.81E-07	1.73E-02	2.73E-06	9.50E-07	2.73E-02	4.30E-06	1.50E-06
75	486633.18, 3855543.15	1.56E-02	2.47E-06	8.59E-07	1.69E-02	2.66E-06	9.26E-07	2.66E-02	4.20E-06	1.46E-06
76	486683.18, 3855543.15	1.51E-02	2.38E-06	8.31E-07	1.63E-02	2.57E-06	8.96E-07	2.58E-02	4.06E-06	1.41E-06
77	486533.18, 3855593.15	1.73E-02	2.73E-06	9.49E-07	1.87E-02	2.94E-06	1.02E-06	2.95E-02	4.64E-06	1.62E-06
78	486583.18, 3855593.15	1.68E-02	2.64E-06	9.20E-07	1.81E-02	2.85E-06	9.93E-07	2.85E-02	4.50E-06	1.57E-06
79	486633.18, 3855593.15	1.63E-02	2.57E-06	8.94E-07	1.76E-02	2.77E-06	9.65E-07	2.77E-02	4.37E-06	1.52E-06
80	486683.18, 3855593.15	1.59E-02	2.51E-06	8.73E-07	1.72E-02	2.70E-06	9.42E-07	2.71E-02	4.27E-06	1.49E-06
81	486533.18, 3855643.15	1.81E-02	2.85E-06	9.91E-07	1.95E-02	3.07E-06	1.07E-06	3.08E-02	4.85E-06	1.69E-06
82	486583.18, 3855643.15	1.75E-02	2.76E-06	9.62E-07	1.89E-02	2.98E-06	1.04E-06	2.99E-02	4.70E-06	1.64E-06
83	486633.18, 3855643.15	1.70E-02	2.68E-06	9.34E-07	1.83E-02	2.89E-06	1.01E-06	2.90E-02	4.57E-06	1.59E-06
84	486683.18, 3855643.15	1.66E-02	2.61E-06	9.09E-07	1.79E-02	2.81E-06	9.80E-07	2.82E-02	4.45E-06	1.55E-06
85	486533.18, 3855693.15	1.89E-02	2.98E-06	1.04E-06	2.04E-02	3.22E-06	1.12E-06	3.23E-02	5.09E-06	1.77E-06
86	486583.18, 3855693.15	1.82E-02	2.87E-06	1.00E-06	1.97E-02	3.10E-06	1.08E-06	3.11E-02	4.90E-06	1.71E-06
87	486633.18, 3855693.15	1.75E-02	2.76E-06	9.63E-07	1.89E-02	2.98E-06	1.04E-06	2.99E-02	4.71E-06	1.64E-06
88	486683.18, 3855693.15	1.72E-02	2.71E-06	9.45E-07	1.86E-02	2.93E-06	1.02E-06	2.94E-02	4.63E-06	1.61E-06
89	486733.18, 3855693.15	1.71E-02	2.69E-06	9.36E-07	1.84E-02	2.90E-06	1.01E-06	2.91E-02	4.58E-06	1.60E-06
90	486783.18, 3855693.15	1.70E-02	2.67E-06	9.30E-07	1.83E-02	2.88E-06	1.00E-06	2.89E-02	4.56E-06	1.59E-06
91	486533.18, 3855743.15	1.98E-02	3.11E-06	1.08E-06	2.13E-02	3.36E-06	1.17E-06	3.37E-02	5.31E-06	1.85E-06
92	486583.18, 3855743.15	1.89E-02	2.97E-06	1.04E-06	2.04E-02	3.21E-06	1.12E-06	3.22E-02	5.08E-06	1.77E-06
93	486633.18, 3855743.15	1.83E-02	2.88E-06	1.00E-06	1.97E-02	3.11E-06	1.08E-06	3.12E-02	4.91E-06	1.71E-06
94	486683.18, 3855743.15	1.80E-02	2.84E-06	9.90E-07	1.95E-02	3.06E-06	1.07E-06	3.08E-02	4.85E-06	1.69E-06
95	486733.18, 3855743.15	1.77E-02	2.79E-06	9.70E-07	1.91E-02	3.01E-06	1.05E-06	3.02E-02	4.76E-06	1.66E-06
96	486783.18, 3855743.15	1.77E-02	2.78E-06	9.70E-07	1.91E-02	3.00E-06	1.05E-06	3.02E-02	4.75E-06	1.66E-06
97	486533.18, 3855793.15	2.06E-02	3.25E-06	1.13E-06	2.23E-02	3.51E-06	1.22E-06	3.52E-02	5.55E-06	1.93E-06
98	486583.18, 3855793.15	1.95E-02	3.07E-06	1.07E-06	2.10E-02	3.31E-06	1.15E-06	3.33E-02	5.24E-06	1.83E-06
99	486633.18, 3855793.15	1.92E-02	3.02E-06	1.05E-06	2.07E-02	3.26E-06	1.14E-06	3.28E-02	5.16E-06	1.80E-06
100	486683.18, 3855793.15	1.89E-02	2.98E-06	1.04E-06	2.04E-02	3.22E-06	1.12E-06	3.24E-02	5.10E-06	1.78E-06
101	486733.18, 3855793.15	1.86E-02	2.93E-06	1.02E-06	2.01E-02	3.16E-06	1.10E-06	3.18E-02	5.01E-06	1.75E-06
102	486783.18, 3855793.15	1.84E-02	2.89E-06	1.01E-06	1.98E-02	3.12E-06	1.09E-06	3.14E-02	4.94E-06	1.72E-06
103	486533.18, 3855843.15	2.13E-02	3.36E-06	1.17E-06	2.30E-02	3.62E-06	1.26E-06	3.64E-02	5.74E-06	2.00E-06
104	486583.18, 3855843.15	2.03E-02	3.20E-06	1.12E-06	2.20E-02	3.46E-06	1.20E-06	3.48E-02	5.48E-06	1.91E-06
105	486633.18, 3855843.15	2.00E-02	3.16E-06	1.10E-06	2.16E-02	3.41E-06	1.19E-06	3.43E-02	5.40E-06	1.88E-06
106	486683.18, 3855843.15	1.98E-02	3.11E-06	1.08E-06	2.13E-02	3.36E-06	1.17E-06	3.38E-02	5.33E-06	1.86E-06
107	486733.18, 3855843.15	1.95E-02	3.07E-06	1.07E-06	2.10E-02	3.31E-06	1.15E-06	3.33E-02	5.25E-06	1.83E-06
108	486783.18, 3855843.15	1.92E-02	3.02E-06	1.05E-06	2.07E-02	3.26E-06	1.14E-06	3.28E-02	5.17E-06	1.80E-06
109	486533.18, 3855893.15	2.17E-02	3.42E-06	1.19E-06	2.34E-02	3.69E-06	1.29E-06	3.72E-02	5.86E-06	2.04E-06
110	486583.18, 3855893.15	2.13E-02	3.36E-06	1.17E-06	2.30E-02	3.63E-06	1.26E-06	3.65E-02	5.75E-06	2.00E-06
111	486633.18, 3855893.15	2.09E-02	3.30E-06	1.15E-06	2.26E-02	3.56E-06	1.24E-06	3.58E-02	5.64E-06	1.97E-06
112	486683.18, 3855893.15	2.06E-02	3.25E-06	1.13E-06	2.22E-02	3.51E-06	1.22E-06	3.53E-02	5.56E-06	1.94E-06
113	486733.18, 3855893.15	2.03E-02	3.20E-06	1.11E-06	2.19E-02	3.45E-06	1.20E-06	3.48E-02	5.48E-06	1.91E-06
114	486783.18, 3855893.15	2.01E-02	3.16E-06	1.10E-06	2.17E-02	3.42E-06	1.19E-06	3.44E-02	5.42E-06	1.89E-06
115	486533.18, 3855943.15	2.26E-02	3.56E-06	1.24E-06	2.44E-02	3.84E-06	1.34E-06	3.87E-02	6.09E-06	2.12E-06
116	486583.18, 3855943.15	2.24E-02	3.52E-06	1.23E-06	2.41E-02	3.80E-06	1.32E-06	3.83E-02	6.04E-06	2.10E-06
117	486633.18, 3855943.15	2.19E-02	3.44E-06	1.20E-06	2.36E-02	3.72E-06	1.29E-06	3.75E-02	5.90E-06	2.06E-06
118	486683.18, 3855943.15	2.16E-02	3.40E-06	1.18E-06	2.33E-02	3.67E-06	1.28E-06	3.70E-02	5.83E-06	2.03E-06
119	486733.18, 3855943.15	2.12E-02	3.34E-06	1.16E-06	2.29E-02	3.60E-06	1.26E-06	3.63E-02	5.72E-06	1.99E-06
120	486783.18, 3855943.15	2.10E-02	3.30E-06	1.15E-06	2.26E-02	3.57E-06	1.24E-06	3.60E-02	5.66E-06	1.97E-06
121	486533.18, 3855993.15	2.36E-02	3.73E-06	1.30E-06	2.55E-02	4.02E-06	1.40E-06	4.06E-02	6.39E-06	2.23E-06
122	486583.18, 3855993.15	2.33E-02	3.66E-06	1.28E-06	2.51E-02	3.95E-06	1.38E-06	3.99E-02	6.28E-06	2.19E-06
123	486633.18, 3855993.15	2.28E-02	3.60E-06	1.25E-06	2.46E-02	3.88E-06	1.35E-06	3.92E-02	6.17E-06	2.15E-06
124	486683.18, 3855993.15	2.25E-02	3.55E-06	1.24E-06	2.43E-02	3.83E-06	1.33E-06	3.87E-02	6.09E-06	2.12E-06

125	486733.18, 3855993.15	2.21E-02	3.49E-06	1.21E-06	2.39E-02	3.76E-06	1.31E-06	3.80E-02	5.98E-06	2.08E-06
126	486783.18, 3855993.15	2.18E-02	3.44E-06	1.20E-06	2.36E-02	3.71E-06	1.29E-06	3.74E-02	5.90E-06	2.06E-06
127	486533.18, 3856043.15	2.47E-02	3.89E-06	1.36E-06	2.67E-02	4.20E-06	1.46E-06	4.24E-02	6.68E-06	2.33E-06
128	486583.18, 3856043.15	2.44E-02	3.84E-06	1.34E-06	2.63E-02	4.14E-06	1.44E-06	4.18E-02	6.59E-06	2.29E-06
129	486633.18, 3856043.15	2.38E-02	3.75E-06	1.31E-06	2.57E-02	4.05E-06	1.41E-06	4.09E-02	6.45E-06	2.25E-06
130	486683.18, 3856043.15	2.35E-02	3.71E-06	1.29E-06	2.54E-02	4.00E-06	1.39E-06	4.04E-02	6.37E-06	2.22E-06
131	486733.18, 3856043.15	2.31E-02	3.63E-06	1.27E-06	2.49E-02	3.92E-06	1.37E-06	3.96E-02	6.24E-06	2.18E-06
132	486783.18, 3856043.15	2.28E-02	3.60E-06	1.25E-06	2.47E-02	3.88E-06	1.35E-06	3.92E-02	6.18E-06	2.15E-06
133	486533.18, 3856093.15	2.59E-02	4.09E-06	1.42E-06	2.80E-02	4.41E-06	1.54E-06	4.46E-02	7.02E-06	2.45E-06
134	486583.18, 3856093.15	2.54E-02	4.01E-06	1.40E-06	2.75E-02	4.33E-06	1.51E-06	4.37E-02	6.89E-06	2.40E-06
135	486633.18, 3856093.15	2.49E-02	3.93E-06	1.37E-06	2.69E-02	4.24E-06	1.48E-06	4.28E-02	6.75E-06	2.35E-06
136	486683.18, 3856093.15	2.46E-02	3.87E-06	1.35E-06	2.65E-02	4.18E-06	1.46E-06	4.22E-02	6.65E-06	2.32E-06
137	486733.18, 3856093.15	2.41E-02	3.80E-06	1.32E-06	2.60E-02	4.10E-06	1.43E-06	4.14E-02	6.53E-06	2.27E-06
138	486783.18, 3856093.15	2.38E-02	3.75E-06	1.31E-06	2.57E-02	4.05E-06	1.41E-06	4.09E-02	6.44E-06	2.24E-06
139	486533.18, 3856143.15	2.71E-02	4.27E-06	1.49E-06	2.93E-02	4.61E-06	1.61E-06	4.66E-02	7.35E-06	2.56E-06
140	486583.18, 3856143.15	2.65E-02	4.17E-06	1.45E-06	2.86E-02	4.50E-06	1.57E-06	4.55E-02	7.18E-06	2.50E-06
141	486633.18, 3856143.15	2.60E-02	4.10E-06	1.43E-06	2.81E-02	4.43E-06	1.54E-06	4.48E-02	7.06E-06	2.46E-06
142	486683.18, 3856143.15	2.56E-02	4.03E-06	1.40E-06	2.76E-02	4.35E-06	1.52E-06	4.40E-02	6.94E-06	2.42E-06
143	486733.18, 3856143.15	2.52E-02	3.96E-06	1.38E-06	2.72E-02	4.28E-06	1.49E-06	4.33E-02	6.82E-06	2.38E-06
144	486783.18, 3856143.15	2.49E-02	3.93E-06	1.37E-06	2.69E-02	4.24E-06	1.48E-06	4.29E-02	6.75E-06	2.35E-06
145	486533.18, 3856193.15	2.85E-02	4.48E-06	1.56E-06	3.07E-02	4.84E-06	1.69E-06	4.90E-02	7.72E-06	2.69E-06
146	486583.18, 3856193.15	2.77E-02	4.36E-06	1.52E-06	2.99E-02	4.71E-06	1.64E-06	4.77E-02	7.51E-06	2.62E-06
147	486633.18, 3856193.15	2.72E-02	4.28E-06	1.49E-06	2.94E-02	4.63E-06	1.61E-06	4.68E-02	7.38E-06	2.57E-06
148	486683.18, 3856193.15	2.69E-02	4.23E-06	1.47E-06	2.90E-02	4.57E-06	1.59E-06	4.62E-02	7.29E-06	2.54E-06
149	486733.18, 3856193.15	2.63E-02	4.15E-06	1.44E-06	2.84E-02	4.48E-06	1.56E-06	4.53E-02	7.14E-06	2.49E-06
150	486783.18, 3856193.15	2.60E-02	4.10E-06	1.43E-06	2.81E-02	4.43E-06	1.54E-06	4.49E-02	7.07E-06	2.46E-06
151	486533.18, 3856243.15	2.98E-02	4.69E-06	1.63E-06	3.22E-02	5.07E-06	1.77E-06	5.13E-02	8.09E-06	2.82E-06
152	486583.18, 3856243.15	2.91E-02	4.58E-06	1.60E-06	3.14E-02	4.95E-06	1.73E-06	5.02E-02	7.90E-06	2.75E-06
153	486633.18, 3856243.15	2.85E-02	4.49E-06	1.56E-06	3.08E-02	4.85E-06	1.69E-06	4.91E-02	7.74E-06	2.70E-06
154	486683.18, 3856243.15	2.80E-02	4.41E-06	1.54E-06	3.03E-02	4.77E-06	1.66E-06	4.83E-02	7.60E-06	2.65E-06
155	486733.18, 3856243.15	2.76E-02	4.35E-06	1.52E-06	2.98E-02	4.70E-06	1.64E-06	4.76E-02	7.50E-06	2.61E-06
156	486783.18, 3856243.15	2.71E-02	4.27E-06	1.49E-06	2.93E-02	4.62E-06	1.61E-06	4.68E-02	7.37E-06	2.57E-06
157	486533.18, 3856293.15	3.13E-02	4.93E-06	1.72E-06	3.38E-02	5.32E-06	1.85E-06	5.39E-02	8.50E-06	2.96E-06
158	486583.18, 3856293.15	3.05E-02	4.80E-06	1.67E-06	3.29E-02	5.19E-06	1.81E-06	5.26E-02	8.29E-06	2.89E-06
159	486633.18, 3856293.15	2.99E-02	4.70E-06	1.64E-06	3.23E-02	5.08E-06	1.77E-06	5.15E-02	8.12E-06	2.83E-06
160	486683.18, 3856293.15	2.93E-02	4.62E-06	1.61E-06	3.17E-02	4.99E-06	1.74E-06	5.05E-02	7.96E-06	2.77E-06
161	486733.18, 3856293.15	2.89E-02	4.56E-06	1.59E-06	3.12E-02	4.92E-06	1.71E-06	4.99E-02	7.86E-06	2.74E-06
162	486783.18, 3856293.15	2.84E-02	4.47E-06	1.56E-06	3.07E-02	4.83E-06	1.68E-06	4.89E-02	7.71E-06	2.69E-06
163	486783.18, 3856343.15	2.98E-02	4.70E-06	1.64E-06	3.22E-02	5.08E-06	1.77E-06	5.15E-02	8.11E-06	2.83E-06
164	486833.18, 3856343.15	2.93E-02	4.62E-06	1.61E-06	3.17E-02	4.99E-06	1.74E-06	5.06E-02	7.98E-06	2.78E-06
165	486883.18, 3856343.15	2.89E-02	4.55E-06	1.58E-06	3.12E-02	4.91E-06	1.71E-06	4.98E-02	7.85E-06	2.73E-06
166	486783.18, 3856393.15	3.11E-02	4.91E-06	1.71E-06	3.37E-02	5.30E-06	1.85E-06	5.38E-02	8.47E-06	2.95E-06
167	486833.18, 3856393.15	3.06E-02	4.83E-06	1.68E-06	3.31E-02	5.21E-06	1.82E-06	5.29E-02	8.33E-06	2.90E-06
168	486883.18, 3856393.15	3.00E-02	4.73E-06	1.65E-06	3.24E-02	5.11E-06	1.78E-06	5.18E-02	8.16E-06	2.84E-06
169	487208.74, 3856886.11	4.04E-02	6.36E-06	2.22E-06	4.36E-02	6.87E-06	2.40E-06	6.99E-02	1.10E-05	3.84E-06
170	487258.74, 3856886.11	3.92E-02	6.18E-06	2.15E-06	4.24E-02	6.68E-06	2.33E-06	6.79E-02	1.07E-05	3.72E-06
171	487308.74, 3856886.11	3.81E-02	6.01E-06	2.09E-06	4.12E-02	6.49E-06	2.26E-06	6.60E-02	1.04E-05	3.62E-06
172	487358.74, 3856886.11	3.71E-02	5.84E-06	2.04E-06	4.01E-02	6.31E-06	2.20E-06	6.42E-02	1.01E-05	3.52E-06
173	487208.74, 3856936.11	4.23E-02	6.67E-06	2.32E-06	4.57E-02	7.21E-06	2.51E-06	7.33E-02	1.15E-05	4.02E-06
174	487258.74, 3856936.11	4.10E-02	6.47E-06	2.25E-06	4.44E-02	6.99E-06	2.43E-06	7.11E-02	1.12E-05	3.90E-06
175	487308.74, 3856936.11	3.99E-02	6.28E-06	2.19E-06	4.31E-02	6.79E-06	2.37E-06	6.91E-02	1.09E-05	3.79E-06
176	487358.74, 3856936.11	3.88E-02	6.10E-06	2.13E-06	4.19E-02	6.60E-06	2.30E-06	6.71E-02	1.06E-05	3.68E-06
177	487208.74, 3856986.11	4.44E-02	7.00E-06	2.44E-06	4.80E-02	7.57E-06	2.64E-06	7.70E-02	1.21E-05	4.23E-06
178	487258.74, 3856986.11	4.31E-02	6.79E-06	2.37E-06	4.66E-02	7.34E-06	2.56E-06	7.47E-02	1.18E-05	4.10E-06
179	487308.74, 3856986.11	4.17E-02	6.57E-06	2.29E-06	4.51E-02	7.10E-06	2.48E-06	7.23E-02	1.14E-05	3.97E-06
180	487358.74, 3856986.11	4.05E-02	6.39E-06	2.22E-06	4.38E-02	6.90E-06	2.40E-06	7.02E-02	1.11E-05	3.85E-06
181	487208.74, 3857036.11	4.67E-02	7.36E-06	2.56E-06	5.05E-02	7.96E-06	2.77E-06	8.10E-02	1.28E-05	4.45E-06
182	487258.74, 3857036.11	4.52E-02	7.12E-06	2.48E-06	4.88E-02	7.69E-06	2.68E-06	7.83E-02	1.23E-05	4.30E-06
183	487308.74, 3857036.11	4.38E-02	6.90E-06	2.40E-06	4.73E-02	7.46E-06	2.60E-06	7.59E-02	1.20E-05	4.17E-06
184	487358.74, 3857036.11	4.24E-02	6.69E-06	2.33E-06	4.59E-02	7.23E-06	2.52E-06	7.36E-02	1.16E-05	4.04E-06
185	487427.14, 3856878.23	3.56E-02	5.62E-06	1.96E-06	3.85E-02	6.07E-06	2.11E-06	6.17E-02	9.72E-06	3.38E-06
186	487477.14, 3856878.23	3.48E-02	5.48E-06	1.91E-06	3.76E-02	5.92E-06	2.06E-06	6.02E-02	9.48E-06	3.30E-06
187	487527.14, 3856878.23	3.39E-02	5.35E-06	1.86E-06	3.67E-02	5.78E-06	2.01E-06	5.87E-02	9.25E-06	3.22E-06
188	487427.14, 3856928.23	3.71E-02	5.85E-06	2.04E-06	4.01E-02	6.32E-06	2.20E-06	6.43E-02	1.01E-05	3.53E-06

189	487477.14, 3856928.23	3.61E-02	5.69E-06	1.98E-06	3.91E-02	6.15E-06	2.14E-06	6.25E-02	9.85E-06	3.43E-06
190	487527.14, 3856928.23	3.52E-02	5.55E-06	1.93E-06	3.81E-02	6.00E-06	2.09E-06	6.10E-02	9.61E-06	3.35E-06
191	487577.14, 3856928.23	3.44E-02	5.42E-06	1.89E-06	3.72E-02	5.86E-06	2.04E-06	5.95E-02	9.38E-06	3.27E-06
192	487627.14, 3856928.23	3.35E-02	5.28E-06	1.84E-06	3.62E-02	5.71E-06	1.99E-06	5.80E-02	9.14E-06	3.18E-06
193	487677.14, 3856928.23	3.28E-02	5.16E-06	1.80E-06	3.54E-02	5.58E-06	1.94E-06	5.67E-02	8.93E-06	3.11E-06
194	487727.14, 3856928.23	3.21E-02	5.05E-06	1.76E-06	3.46E-02	5.46E-06	1.90E-06	5.55E-02	8.74E-06	3.04E-06
195	487777.14, 3856928.23	3.13E-02	4.94E-06	1.72E-06	3.39E-02	5.33E-06	1.86E-06	5.42E-02	8.54E-06	2.97E-06
196	487427.14, 3856978.23	3.87E-02	6.09E-06	2.12E-06	4.18E-02	6.59E-06	2.29E-06	6.70E-02	1.06E-05	3.68E-06
197	487477.14, 3856978.23	3.76E-02	5.93E-06	2.07E-06	4.07E-02	6.41E-06	2.23E-06	6.52E-02	1.03E-05	3.58E-06
198	487527.14, 3856978.23	3.67E-02	5.78E-06	2.01E-06	3.96E-02	6.24E-06	2.17E-06	6.35E-02	1.00E-05	3.48E-06
199	487577.14, 3856978.23	3.57E-02	5.63E-06	1.96E-06	3.86E-02	6.08E-06	2.12E-06	6.18E-02	9.74E-06	3.39E-06
200	487627.14, 3856978.23	3.48E-02	5.48E-06	1.91E-06	3.76E-02	5.92E-06	2.06E-06	6.02E-02	9.48E-06	3.30E-06
201	487677.14, 3856978.23	3.39E-02	5.35E-06	1.86E-06	3.67E-02	5.78E-06	2.01E-06	5.88E-02	9.26E-06	3.22E-06
202	487727.14, 3856978.23	3.30E-02	5.20E-06	1.81E-06	3.57E-02	5.62E-06	1.96E-06	5.72E-02	9.00E-06	3.14E-06
203	487777.14, 3856978.23	3.24E-02	5.11E-06	1.78E-06	3.50E-02	5.52E-06	1.92E-06	5.61E-02	8.84E-06	3.08E-06
204	487427.14, 3857028.23	4.04E-02	6.37E-06	2.22E-06	4.37E-02	6.88E-06	2.40E-06	7.00E-02	1.10E-05	3.84E-06
205	487477.14, 3857028.23	3.93E-02	6.18E-06	2.15E-06	4.24E-02	6.69E-06	2.33E-06	6.80E-02	1.07E-05	3.73E-06
206	487527.14, 3857028.23	3.81E-02	6.01E-06	2.09E-06	4.12E-02	6.50E-06	2.26E-06	6.61E-02	1.04E-05	3.63E-06
207	487577.14, 3857028.23	3.71E-02	5.85E-06	2.04E-06	4.01E-02	6.32E-06	2.20E-06	6.43E-02	1.01E-05	3.53E-06
208	487627.14, 3857028.23	3.61E-02	5.68E-06	1.98E-06	3.90E-02	6.14E-06	2.14E-06	6.25E-02	9.84E-06	3.43E-06
209	487677.14, 3857028.23	3.52E-02	5.54E-06	1.93E-06	3.80E-02	5.99E-06	2.09E-06	6.09E-02	9.59E-06	3.34E-06
210	487727.14, 3857028.23	3.43E-02	5.41E-06	1.88E-06	3.71E-02	5.85E-06	2.04E-06	5.95E-02	9.37E-06	3.26E-06
211	487777.14, 3857028.23	3.35E-02	5.28E-06	1.84E-06	3.62E-02	5.70E-06	1.99E-06	5.80E-02	9.14E-06	3.18E-06
212	487427.14, 3857078.23	4.23E-02	6.66E-06	2.32E-06	4.57E-02	7.20E-06	2.51E-06	7.33E-02	1.15E-05	4.02E-06
213	487477.14, 3857078.23	4.09E-02	6.45E-06	2.25E-06	4.43E-02	6.97E-06	2.43E-06	7.10E-02	1.12E-05	3.90E-06
214	487527.14, 3857078.23	3.97E-02	6.26E-06	2.18E-06	4.30E-02	6.77E-06	2.36E-06	6.89E-02	1.09E-05	3.78E-06
215	487577.14, 3857078.23	3.86E-02	6.08E-06	2.12E-06	4.17E-02	6.57E-06	2.29E-06	6.69E-02	1.05E-05	3.67E-06
216	487627.14, 3857078.23	3.75E-02	5.91E-06	2.06E-06	4.05E-02	6.38E-06	2.22E-06	6.50E-02	1.02E-05	3.57E-06
217	487677.14, 3857078.23	3.65E-02	5.75E-06	2.00E-06	3.94E-02	6.21E-06	2.16E-06	6.32E-02	9.96E-06	3.47E-06
218	487727.14, 3857078.23	3.55E-02	5.60E-06	1.95E-06	3.84E-02	6.05E-06	2.11E-06	6.16E-02	9.70E-06	3.38E-06
219	487777.14, 3857078.23	3.46E-02	5.45E-06	1.90E-06	3.74E-02	5.89E-06	2.05E-06	6.00E-02	9.45E-06	3.29E-06
220	487427.14, 3857128.23	4.42E-02	6.97E-06	2.43E-06	4.78E-02	7.54E-06	2.63E-06	7.68E-02	1.21E-05	4.21E-06
221	487477.14, 3857128.23	4.28E-02	6.74E-06	2.35E-06	4.62E-02	7.28E-06	2.54E-06	7.42E-02	1.17E-05	4.07E-06
222	487527.14, 3857128.23	4.14E-02	6.52E-06	2.27E-06	4.48E-02	7.05E-06	2.46E-06	7.18E-02	1.13E-05	3.94E-06
223	487577.14, 3857128.23	4.02E-02	6.33E-06	2.20E-06	4.34E-02	6.84E-06	2.38E-06	6.96E-02	1.10E-05	3.82E-06
224	487627.14, 3857128.23	3.90E-02	6.14E-06	2.14E-06	4.21E-02	6.64E-06	2.31E-06	6.76E-02	1.06E-05	3.71E-06
225	487677.14, 3857128.23	3.78E-02	5.96E-06	2.08E-06	4.09E-02	6.44E-06	2.24E-06	6.56E-02	1.03E-05	3.60E-06
226	487727.14, 3857128.23	3.68E-02	5.80E-06	2.02E-06	3.98E-02	6.27E-06	2.19E-06	6.39E-02	1.01E-05	3.51E-06
227	487777.14, 3857128.23	3.58E-02	5.64E-06	1.97E-06	3.87E-02	6.10E-06	2.13E-06	6.21E-02	9.78E-06	3.41E-06
228	488049.44, 3856539.39	2.26E-02	3.55E-06	1.24E-06	2.44E-02	3.84E-06	1.34E-06	3.89E-02	6.13E-06	2.14E-06
229	488099.44, 3856539.39	2.22E-02	3.49E-06	1.22E-06	2.39E-02	3.77E-06	1.31E-06	3.82E-02	6.02E-06	2.10E-06
230	488149.44, 3856539.39	2.18E-02	3.44E-06	1.20E-06	2.36E-02	3.71E-06	1.29E-06	3.76E-02	5.93E-06	2.07E-06
231	488049.44, 3856589.39	2.32E-02	3.65E-06	1.27E-06	2.51E-02	3.95E-06	1.38E-06	4.00E-02	6.31E-06	2.20E-06
232	488099.44, 3856589.39	2.28E-02	3.59E-06	1.25E-06	2.46E-02	3.88E-06	1.35E-06	3.93E-02	6.20E-06	2.16E-06
233	488149.44, 3856589.39	2.24E-02	3.53E-06	1.23E-06	2.42E-02	3.81E-06	1.33E-06	3.87E-02	6.09E-06	2.12E-06
234	488199.44, 3856589.39	2.20E-02	3.47E-06	1.21E-06	2.38E-02	3.75E-06	1.31E-06	3.80E-02	5.98E-06	2.09E-06
235	488249.44, 3856589.39	2.17E-02	3.42E-06	1.19E-06	2.35E-02	3.70E-06	1.29E-06	3.75E-02	5.91E-06	2.06E-06
236	488049.44, 3856639.39	2.38E-02	3.76E-06	1.31E-06	2.58E-02	4.06E-06	1.41E-06	4.12E-02	6.48E-06	2.26E-06
237	488099.44, 3856639.39	2.34E-02	3.69E-06	1.29E-06	2.53E-02	3.99E-06	1.39E-06	4.04E-02	6.37E-06	2.22E-06
238	488149.44, 3856639.39	2.30E-02	3.62E-06	1.26E-06	2.49E-02	3.92E-06	1.36E-06	3.97E-02	6.26E-06	2.18E-06
239	488199.44, 3856639.39	2.26E-02	3.57E-06	1.24E-06	2.45E-02	3.85E-06	1.34E-06	3.91E-02	6.16E-06	2.14E-06
240	488249.44, 3856639.39	2.23E-02	3.51E-06	1.22E-06	2.41E-02	3.79E-06	1.32E-06	3.85E-02	6.06E-06	2.11E-06
241	488299.44, 3856639.39	2.19E-02	3.45E-06	1.20E-06	2.37E-02	3.73E-06	1.30E-06	3.78E-02	5.96E-06	2.08E-06
242	488349.44, 3856639.39	2.16E-02	3.40E-06	1.18E-06	2.33E-02	3.67E-06	1.28E-06	3.72E-02	5.86E-06	2.04E-06
243	488399.44, 3856639.39	2.13E-02	3.35E-06	1.17E-06	2.30E-02	3.62E-06	1.26E-06	3.67E-02	5.78E-06	2.01E-06
244	488099.44, 3856689.39	2.41E-02	3.79E-06	1.32E-06	2.60E-02	4.10E-06	1.43E-06	4.16E-02	6.55E-06	2.28E-06
245	488149.44, 3856689.39	2.36E-02	3.72E-06	1.30E-06	2.55E-02	4.02E-06	1.40E-06	4.08E-02	6.43E-06	2.24E-06
246	488199.44, 3856689.39	2.32E-02	3.66E-06	1.28E-06	2.51E-02	3.96E-06	1.38E-06	4.01E-02	6.32E-06	2.20E-06
247	488249.44, 3856689.39	2.28E-02	3.60E-06	1.25E-06	2.47E-02	3.89E-06	1.35E-06	3.94E-02	6.21E-06	2.16E-06
248	488299.44, 3856689.39	2.25E-02	3.54E-06	1.23E-06	2.43E-02	3.83E-06	1.33E-06	3.88E-02	6.12E-06	2.13E-06
249	488349.44, 3856689.39	2.21E-02	3.48E-06	1.21E-06	2.39E-02	3.76E-06	1.31E-06	3.82E-02	6.01E-06	2.09E-06
250	488399.44, 3856689.39	2.17E-02	3.42E-06	1.19E-06	2.34E-02	3.69E-06	1.29E-06	3.75E-02	5.90E-06	2.06E-06
251	488099.44, 3856739.39	2.48E-02	3.90E-06	1.36E-06	2.67E-02	4.21E-06	1.47E-06	4.28E-02	6.73E-06	2.35E-06
252	488149.44, 3856739.39	2.43E-02	3.82E-06	1.33E-06	2.62E-02	4.13E-06	1.44E-06	4.19E-02	6.60E-06	2.30E-06

253	488199.44, 3856739.39	2.39E-02	3.76E-06	1.31E-06	2.58E-02	4.06E-06	1.42E-06	4.12E-02	6.50E-06	2.26E-06
254	488249.44, 3856739.39	2.34E-02	3.69E-06	1.29E-06	2.53E-02	3.99E-06	1.39E-06	4.05E-02	6.38E-06	2.22E-06
255	488299.44, 3856739.39	2.30E-02	3.62E-06	1.26E-06	2.48E-02	3.91E-06	1.36E-06	3.97E-02	6.25E-06	2.18E-06
256	488349.44, 3856739.39	2.27E-02	3.57E-06	1.24E-06	2.45E-02	3.86E-06	1.34E-06	3.91E-02	6.16E-06	2.15E-06
257	488399.44, 3856739.39	2.23E-02	3.52E-06	1.22E-06	2.41E-02	3.80E-06	1.32E-06	3.85E-02	6.07E-06	2.12E-06
258	487999.44, 3856789.39	2.63E-02	4.15E-06	1.45E-06	2.85E-02	4.48E-06	1.56E-06	4.55E-02	7.17E-06	2.50E-06
259	488049.44, 3856789.39	2.59E-02	4.07E-06	1.42E-06	2.79E-02	4.40E-06	1.53E-06	4.47E-02	7.04E-06	2.45E-06
260	488099.44, 3856789.39	2.54E-02	4.00E-06	1.39E-06	2.75E-02	4.33E-06	1.51E-06	4.39E-02	6.92E-06	2.41E-06
261	488149.44, 3856789.39	2.49E-02	3.93E-06	1.37E-06	2.69E-02	4.24E-06	1.48E-06	4.31E-02	6.78E-06	2.36E-06
262	488199.44, 3856789.39	2.45E-02	3.86E-06	1.34E-06	2.65E-02	4.17E-06	1.45E-06	4.23E-02	6.66E-06	2.32E-06
263	488249.44, 3856789.39	2.40E-02	3.79E-06	1.32E-06	2.60E-02	4.09E-06	1.43E-06	4.15E-02	6.54E-06	2.28E-06
264	488299.44, 3856789.39	2.36E-02	3.71E-06	1.29E-06	2.55E-02	4.01E-06	1.40E-06	4.07E-02	6.42E-06	2.24E-06
265	488349.44, 3856789.39	2.32E-02	3.66E-06	1.27E-06	2.51E-02	3.95E-06	1.38E-06	4.01E-02	6.32E-06	2.20E-06
266	488399.44, 3856789.39	2.28E-02	3.60E-06	1.25E-06	2.47E-02	3.89E-06	1.35E-06	3.95E-02	6.22E-06	2.17E-06
267	487949.44, 3856839.39	2.76E-02	4.35E-06	1.52E-06	2.98E-02	4.70E-06	1.64E-06	4.77E-02	7.52E-06	2.62E-06
268	487999.44, 3856839.39	2.71E-02	4.27E-06	1.49E-06	2.93E-02	4.61E-06	1.61E-06	4.68E-02	7.37E-06	2.57E-06
269	488049.44, 3856839.39	2.66E-02	4.18E-06	1.46E-06	2.87E-02	4.52E-06	1.57E-06	4.59E-02	7.23E-06	2.52E-06
270	488099.44, 3856839.39	2.61E-02	4.11E-06	1.43E-06	2.82E-02	4.44E-06	1.55E-06	4.51E-02	7.10E-06	2.47E-06
271	488149.44, 3856839.39	2.56E-02	4.03E-06	1.40E-06	2.77E-02	4.36E-06	1.52E-06	4.42E-02	6.97E-06	2.43E-06
272	488199.44, 3856839.39	2.51E-02	3.96E-06	1.38E-06	2.71E-02	4.28E-06	1.49E-06	4.34E-02	6.84E-06	2.38E-06
273	487949.44, 3856889.39	2.84E-02	4.47E-06	1.56E-06	3.07E-02	4.83E-06	1.68E-06	4.91E-02	7.74E-06	2.69E-06
274	487999.44, 3856889.39	2.79E-02	4.39E-06	1.53E-06	3.01E-02	4.74E-06	1.65E-06	4.82E-02	7.59E-06	2.64E-06
275	488049.44, 3856889.39	2.73E-02	4.30E-06	1.50E-06	2.95E-02	4.64E-06	1.62E-06	4.72E-02	7.43E-06	2.59E-06
276	488099.44, 3856889.39	2.68E-02	4.22E-06	1.47E-06	2.89E-02	4.56E-06	1.59E-06	4.63E-02	7.29E-06	2.54E-06
277	488635.86, 3857895.05	3.02E-02	4.76E-06	1.66E-06	3.27E-02	5.15E-06	1.79E-06	5.27E-02	8.30E-06	2.89E-06
278	489137.64, 3857804.15	2.27E-02	3.58E-06	1.25E-06	2.46E-02	3.87E-06	1.35E-06	3.95E-02	6.23E-06	2.17E-06
279	488617.32, 3857859.41	3.04E-02	4.79E-06	1.67E-06	3.29E-02	5.18E-06	1.80E-06	5.29E-02	8.34E-06	2.91E-06
280	488667.32, 3857859.41	2.95E-02	4.64E-06	1.62E-06	3.19E-02	5.02E-06	1.75E-06	5.14E-02	8.09E-06	2.82E-06
281	488717.32, 3857859.41	2.86E-02	4.51E-06	1.57E-06	3.10E-02	4.88E-06	1.70E-06	4.98E-02	7.85E-06	2.74E-06
282	488767.32, 3857859.41	2.78E-02	4.37E-06	1.52E-06	3.00E-02	4.73E-06	1.65E-06	4.83E-02	7.61E-06	2.65E-06
283	488617.32, 3857909.41	3.07E-02	4.83E-06	1.68E-06	3.32E-02	5.23E-06	1.82E-06	5.35E-02	8.42E-06	2.93E-06
284	488667.32, 3857909.41	2.97E-02	4.67E-06	1.63E-06	3.21E-02	5.05E-06	1.76E-06	5.16E-02	8.13E-06	2.83E-06
285	488717.32, 3857909.41	2.88E-02	4.54E-06	1.58E-06	3.12E-02	4.91E-06	1.71E-06	5.02E-02	7.90E-06	2.75E-06
286	488767.32, 3857909.41	2.79E-02	4.40E-06	1.53E-06	3.02E-02	4.76E-06	1.66E-06	4.86E-02	7.66E-06	2.67E-06
287	488417.32, 3857959.41	3.58E-02	5.64E-06	1.97E-06	3.87E-02	6.10E-06	2.13E-06	6.25E-02	9.85E-06	3.43E-06
288	488467.32, 3857959.41	3.44E-02	5.43E-06	1.89E-06	3.73E-02	5.87E-06	2.05E-06	6.01E-02	9.47E-06	3.30E-06
289	488517.32, 3857959.41	3.32E-02	5.23E-06	1.82E-06	3.59E-02	5.65E-06	1.97E-06	5.79E-02	9.11E-06	3.18E-06
290	488567.32, 3857959.41	3.20E-02	5.04E-06	1.76E-06	3.46E-02	5.45E-06	1.90E-06	5.57E-02	8.78E-06	3.06E-06
291	488617.32, 3857959.41	3.09E-02	4.87E-06	1.70E-06	3.34E-02	5.27E-06	1.84E-06	5.38E-02	8.48E-06	2.96E-06
292	488667.32, 3857959.41	2.99E-02	4.71E-06	1.64E-06	3.23E-02	5.09E-06	1.77E-06	5.21E-02	8.20E-06	2.86E-06
293	488717.32, 3857959.41	2.89E-02	4.56E-06	1.59E-06	3.13E-02	4.93E-06	1.72E-06	5.04E-02	7.93E-06	2.76E-06
294	488767.32, 3857959.41	2.80E-02	4.42E-06	1.54E-06	3.03E-02	4.78E-06	1.66E-06	4.88E-02	7.69E-06	2.68E-06
295	488417.32, 3858009.41	3.63E-02	5.73E-06	1.99E-06	3.93E-02	6.20E-06	2.16E-06	6.35E-02	1.00E-05	3.48E-06
296	488467.32, 3858009.41	3.49E-02	5.49E-06	1.91E-06	3.77E-02	5.94E-06	2.07E-06	6.09E-02	9.59E-06	3.34E-06
297	488517.32, 3858009.41	3.35E-02	5.28E-06	1.84E-06	3.63E-02	5.71E-06	1.99E-06	5.84E-02	9.21E-06	3.21E-06
298	488567.32, 3858009.41	3.23E-02	5.08E-06	1.77E-06	3.49E-02	5.50E-06	1.91E-06	5.62E-02	8.85E-06	3.08E-06
299	488617.32, 3858009.41	3.11E-02	4.90E-06	1.71E-06	3.37E-02	5.30E-06	1.85E-06	5.42E-02	8.54E-06	2.98E-06
300	488667.32, 3858009.41	3.01E-02	4.74E-06	1.65E-06	3.25E-02	5.12E-06	1.79E-06	5.24E-02	8.25E-06	2.87E-06
301	488717.32, 3858009.41	2.91E-02	4.58E-06	1.59E-06	3.14E-02	4.95E-06	1.72E-06	5.06E-02	7.97E-06	2.78E-06
302	488767.32, 3858009.41	2.81E-02	4.43E-06	1.54E-06	3.04E-02	4.79E-06	1.67E-06	4.89E-02	7.71E-06	2.68E-06
303	488417.32, 3858059.41	3.69E-02	5.81E-06	2.02E-06	3.99E-02	6.29E-06	2.19E-06	6.44E-02	1.01E-05	3.53E-06
304	488467.32, 3858059.41	3.53E-02	5.56E-06	1.94E-06	3.82E-02	6.01E-06	2.10E-06	6.15E-02	9.70E-06	3.38E-06
305	488517.32, 3858059.41	3.38E-02	5.33E-06	1.86E-06	3.66E-02	5.77E-06	2.01E-06	5.90E-02	9.29E-06	3.24E-06
306	488567.32, 3858059.41	3.25E-02	5.12E-06	1.78E-06	3.52E-02	5.54E-06	1.93E-06	5.66E-02	8.92E-06	3.11E-06
307	488617.32, 3858059.41	3.13E-02	4.92E-06	1.72E-06	3.38E-02	5.33E-06	1.86E-06	5.44E-02	8.57E-06	2.99E-06
308	488667.32, 3858059.41	3.01E-02	4.75E-06	1.65E-06	3.26E-02	5.14E-06	1.79E-06	5.25E-02	8.27E-06	2.88E-06
309	488417.32, 3858109.41	3.75E-02	5.91E-06	2.06E-06	4.06E-02	6.39E-06	2.23E-06	6.55E-02	1.03E-05	3.60E-06
310	488467.32, 3858109.41	3.57E-02	5.63E-06	1.96E-06	3.87E-02	6.09E-06	2.12E-06	6.24E-02	9.82E-06	3.42E-06
311	488517.32, 3858109.41	3.41E-02	5.38E-06	1.87E-06	3.69E-02	5.82E-06	2.03E-06	5.95E-02	9.37E-06	3.26E-06
312	488567.32, 3858109.41	3.27E-02	5.15E-06	1.79E-06	3.54E-02	5.57E-06	1.94E-06	5.69E-02	8.97E-06	3.12E-06
313	488617.32, 3858109.41	3.13E-02	4.94E-06	1.72E-06	3.39E-02	5.34E-06	1.86E-06	5.45E-02	8.59E-06	2.99E-06
314	488667.32, 3858109.41	3.02E-02	4.75E-06	1.66E-06	3.26E-02	5.14E-06	1.79E-06	5.25E-02	8.27E-06	2.88E-06
315	488769.93, 3858449.27	2.28E-02	3.58E-06	1.25E-06	2.45E-02	3.86E-06	1.35E-06	3.83E-02	6.04E-06	2.10E-06
316	488819.93, 3858449.27	2.19E-02	3.46E-06	1.20E-06	2.36E-02	3.72E-06	1.30E-06	3.70E-02	5.83E-06	2.03E-06

317	488819.93, 3858499.27	2.08E-02	3.28E-06	1.14E-06	2.24E-02	3.52E-06	1.23E-06	3.46E-02	5.44E-06	1.90E-06
318	488869.93, 3858499.27	2.01E-02	3.17E-06	1.11E-06	2.17E-02	3.41E-06	1.19E-06	3.35E-02	5.28E-06	1.84E-06
319	488869.93, 3858549.27	1.92E-02	3.02E-06	1.05E-06	2.06E-02	3.24E-06	1.13E-06	3.14E-02	4.94E-06	1.72E-06
320	489438.17, 3859571.48	4.45E-03	7.02E-07	2.44E-07	4.80E-03	7.56E-07	2.63E-07	7.52E-03	1.18E-06	4.13E-07
321	489488.17, 3859571.48	4.43E-03	6.98E-07	2.43E-07	4.77E-03	7.52E-07	2.62E-07	7.48E-03	1.18E-06	4.11E-07
322	489538.17, 3859571.48	4.41E-03	6.95E-07	2.42E-07	4.75E-03	7.48E-07	2.61E-07	7.45E-03	1.17E-06	4.09E-07
323	489588.17, 3859571.48	4.39E-03	6.91E-07	2.41E-07	4.73E-03	7.45E-07	2.60E-07	7.41E-03	1.17E-06	4.07E-07
324	489438.17, 3859621.48	4.30E-03	6.77E-07	2.36E-07	4.63E-03	7.30E-07	2.54E-07	7.26E-03	1.14E-06	3.99E-07
325	489488.17, 3859621.48	4.27E-03	6.73E-07	2.35E-07	4.61E-03	7.26E-07	2.53E-07	7.22E-03	1.14E-06	3.96E-07
326	489538.17, 3859621.48	4.25E-03	6.70E-07	2.33E-07	4.58E-03	7.22E-07	2.51E-07	7.18E-03	1.13E-06	3.94E-07
327	489588.17, 3859621.48	4.23E-03	6.67E-07	2.32E-07	4.56E-03	7.19E-07	2.50E-07	7.16E-03	1.13E-06	3.93E-07
328	489238.17, 3859671.48	4.23E-03	6.67E-07	2.32E-07	4.56E-03	7.19E-07	2.50E-07	7.16E-03	1.13E-06	3.93E-07
329	489288.17, 3859671.48	4.22E-03	6.64E-07	2.31E-07	4.55E-03	7.16E-07	2.49E-07	7.13E-03	1.12E-06	3.91E-07
330	489338.17, 3859671.48	4.20E-03	6.62E-07	2.31E-07	4.53E-03	7.13E-07	2.48E-07	7.10E-03	1.12E-06	3.90E-07
331	489388.17, 3859671.48	4.19E-03	6.59E-07	2.30E-07	4.51E-03	7.10E-07	2.48E-07	7.08E-03	1.11E-06	3.88E-07
332	489438.17, 3859671.48	4.16E-03	6.55E-07	2.28E-07	4.48E-03	7.06E-07	2.46E-07	7.03E-03	1.11E-06	3.86E-07
333	489488.17, 3859671.48	4.14E-03	6.52E-07	2.27E-07	4.46E-03	7.03E-07	2.45E-07	7.00E-03	1.10E-06	3.84E-07
334	489538.17, 3859671.48	4.12E-03	6.49E-07	2.26E-07	4.44E-03	6.99E-07	2.44E-07	6.97E-03	1.10E-06	3.82E-07
335	489588.17, 3859671.48	4.10E-03	6.45E-07	2.25E-07	4.42E-03	6.96E-07	2.42E-07	6.93E-03	1.09E-06	3.80E-07
336	489238.17, 3859721.48	4.09E-03	6.45E-07	2.25E-07	4.41E-03	6.95E-07	2.42E-07	6.92E-03	1.09E-06	3.80E-07
337	489288.17, 3859721.48	4.09E-03	6.44E-07	2.24E-07	4.40E-03	6.94E-07	2.42E-07	6.91E-03	1.09E-06	3.79E-07
338	489338.17, 3859721.48	4.07E-03	6.41E-07	2.23E-07	4.39E-03	6.91E-07	2.41E-07	6.89E-03	1.09E-06	3.78E-07
339	489388.17, 3859721.48	4.05E-03	6.39E-07	2.23E-07	4.37E-03	6.88E-07	2.40E-07	6.86E-03	1.08E-06	3.76E-07
340	489438.17, 3859721.48	4.03E-03	6.35E-07	2.21E-07	4.35E-03	6.85E-07	2.39E-07	6.82E-03	1.07E-06	3.75E-07
341	489488.17, 3859721.48	4.02E-03	6.33E-07	2.20E-07	4.33E-03	6.82E-07	2.38E-07	6.80E-03	1.07E-06	3.73E-07
342	489538.17, 3859721.48	3.99E-03	6.29E-07	2.19E-07	4.31E-03	6.78E-07	2.36E-07	6.76E-03	1.07E-06	3.71E-07
343	489588.17, 3859721.48	3.97E-03	6.26E-07	2.18E-07	4.28E-03	6.75E-07	2.35E-07	6.73E-03	1.06E-06	3.69E-07
344	489238.17, 3859771.48	3.96E-03	6.24E-07	2.17E-07	4.27E-03	6.72E-07	2.34E-07	6.70E-03	1.06E-06	3.68E-07
345	489288.17, 3859771.48	3.96E-03	6.23E-07	2.17E-07	4.26E-03	6.72E-07	2.34E-07	6.70E-03	1.05E-06	3.68E-07
346	489338.17, 3859771.48	3.94E-03	6.21E-07	2.16E-07	4.25E-03	6.69E-07	2.33E-07	6.67E-03	1.05E-06	3.66E-07
347	489388.17, 3859771.48	3.93E-03	6.19E-07	2.16E-07	4.24E-03	6.67E-07	2.32E-07	6.65E-03	1.05E-06	3.65E-07
348	489438.17, 3859771.48	3.91E-03	6.16E-07	2.15E-07	4.21E-03	6.64E-07	2.31E-07	6.62E-03	1.04E-06	3.63E-07
349	489488.17, 3859771.48	3.90E-03	6.14E-07	2.14E-07	4.20E-03	6.62E-07	2.31E-07	6.61E-03	1.04E-06	3.63E-07
350	489538.17, 3859771.48	3.88E-03	6.12E-07	2.13E-07	4.19E-03	6.59E-07	2.30E-07	6.58E-03	1.04E-06	3.61E-07
351	489588.17, 3859771.48	3.86E-03	6.08E-07	2.12E-07	4.16E-03	6.55E-07	2.28E-07	6.54E-03	1.03E-06	3.59E-07
352	489238.17, 3859821.48	3.83E-03	6.03E-07	2.10E-07	4.13E-03	6.50E-07	2.27E-07	6.48E-03	1.02E-06	3.56E-07
353	489288.17, 3859821.48	3.83E-03	6.03E-07	2.10E-07	4.13E-03	6.50E-07	2.27E-07	6.49E-03	1.02E-06	3.56E-07
354	489338.17, 3859821.48	3.82E-03	6.02E-07	2.10E-07	4.12E-03	6.49E-07	2.26E-07	6.47E-03	1.02E-06	3.55E-07
355	489388.17, 3859821.48	3.81E-03	6.00E-07	2.09E-07	4.11E-03	6.47E-07	2.25E-07	6.46E-03	1.02E-06	3.54E-07
356	489438.17, 3859821.48	3.80E-03	5.99E-07	2.09E-07	4.10E-03	6.46E-07	2.25E-07	6.45E-03	1.02E-06	3.54E-07
357	489488.17, 3859821.48	3.79E-03	5.97E-07	2.08E-07	4.09E-03	6.44E-07	2.24E-07	6.43E-03	1.01E-06	3.53E-07
358	489538.17, 3859821.48	3.78E-03	5.95E-07	2.07E-07	4.07E-03	6.41E-07	2.23E-07	6.40E-03	1.01E-06	3.52E-07
359	489588.17, 3859821.48	3.76E-03	5.92E-07	2.06E-07	4.05E-03	6.38E-07	2.22E-07	6.37E-03	1.00E-06	3.50E-07
360	489238.17, 3859871.48	3.71E-03	5.84E-07	2.04E-07	4.00E-03	6.30E-07	2.19E-07	6.28E-03	9.90E-07	3.45E-07
361	489288.17, 3859871.48	3.71E-03	5.84E-07	2.03E-07	4.00E-03	6.30E-07	2.19E-07	6.28E-03	9.90E-07	3.45E-07
362	489338.17, 3859871.48	3.70E-03	5.84E-07	2.03E-07	3.99E-03	6.29E-07	2.19E-07	6.28E-03	9.89E-07	3.45E-07
363	489388.17, 3859871.48	3.70E-03	5.83E-07	2.03E-07	3.99E-03	6.29E-07	2.19E-07	6.28E-03	9.89E-07	3.44E-07
364	489438.17, 3859871.48	3.70E-03	5.83E-07	2.03E-07	3.99E-03	6.28E-07	2.19E-07	6.28E-03	9.89E-07	3.44E-07
365	489488.17, 3859871.48	3.70E-03	5.82E-07	2.03E-07	3.99E-03	6.28E-07	2.19E-07	6.27E-03	9.88E-07	3.44E-07
366	489538.17, 3859871.48	3.68E-03	5.79E-07	2.02E-07	3.97E-03	6.25E-07	2.18E-07	6.24E-03	9.83E-07	3.43E-07
367	489588.17, 3859871.48	3.66E-03	5.77E-07	2.01E-07	3.95E-03	6.22E-07	2.17E-07	6.21E-03	9.79E-07	3.41E-07
368	489238.17, 3859921.48	3.59E-03	5.66E-07	1.97E-07	3.87E-03	6.10E-07	2.13E-07	6.09E-03	9.60E-07	3.34E-07
369	489288.17, 3859921.48	3.60E-03	5.67E-07	1.98E-07	3.88E-03	6.11E-07	2.13E-07	6.10E-03	9.62E-07	3.35E-07
370	489338.17, 3859921.48	3.60E-03	5.67E-07	1.98E-07	3.88E-03	6.11E-07	2.13E-07	6.10E-03	9.62E-07	3.35E-07
371	489388.17, 3859921.48	3.60E-03	5.67E-07	1.98E-07	3.88E-03	6.12E-07	2.13E-07	6.11E-03	9.63E-07	3.35E-07
372	489438.17, 3859921.48	3.61E-03	5.68E-07	1.98E-07	3.89E-03	6.12E-07	2.13E-07	6.12E-03	9.64E-07	3.36E-07
373	489488.17, 3859921.48	3.60E-03	5.67E-07	1.97E-07	3.88E-03	6.11E-07	2.13E-07	6.11E-03	9.62E-07	3.35E-07
374	489538.17, 3859921.48	3.59E-03	5.65E-07	1.97E-07	3.87E-03	6.09E-07	2.12E-07	6.09E-03	9.59E-07	3.34E-07
375	489588.17, 3859921.48	3.57E-03	5.63E-07	1.96E-07	3.85E-03	6.07E-07	2.11E-07	6.07E-03	9.56E-07	3.33E-07
376	489238.17, 3859971.48	3.49E-03	5.49E-07	1.91E-07	3.76E-03	5.92E-07	2.06E-07	5.91E-03	9.32E-07	3.25E-07
377	489288.17, 3859971.48	3.49E-03	5.50E-07	1.92E-07	3.76E-03	5.93E-07	2.07E-07	5.92E-03	9.33E-07	3.25E-07
378	489338.17, 3859971.48	3.50E-03	5.51E-07	1.92E-07	3.77E-03	5.94E-07	2.07E-07	5.93E-03	9.35E-07	3.26E-07
379	489388.17, 3859971.48	3.50E-03	5.52E-07	1.92E-07	3.78E-03	5.95E-07	2.07E-07	5.95E-03	9.37E-07	3.27E-07
380	489438.17, 3859971.48	3.51E-03	5.53E-07	1.93E-07	3.79E-03	5.97E-07	2.08E-07	5.97E-03	9.40E-07	3.27E-07

381	489488.17, 3859971.48	3.51E-03	5.54E-07	1.93E-07	3.79E-03	5.97E-07	2.08E-07	5.98E-03	9.41E-07	3.28E-07
382	489538.17, 3859971.48	3.51E-03	5.52E-07	1.92E-07	3.78E-03	5.96E-07	2.08E-07	5.97E-03	9.40E-07	3.27E-07
383	489588.17, 3859971.48	3.49E-03	5.51E-07	1.92E-07	3.77E-03	5.94E-07	2.07E-07	5.95E-03	9.37E-07	3.26E-07
384	483577.7, 3854071	1.45E-02	2.28E-06	7.96E-07	1.58E-02	2.48E-06	8.65E-07	2.64E-02	4.15E-06	1.45E-06
385	483627.7, 3854071	1.38E-02	2.17E-06	7.57E-07	1.50E-02	2.36E-06	8.23E-07	2.50E-02	3.94E-06	1.37E-06
386	483677.7, 3854071	1.31E-02	2.06E-06	7.17E-07	1.42E-02	2.24E-06	7.79E-07	2.37E-02	3.73E-06	1.30E-06
387	483727.7, 3854071	1.24E-02	1.95E-06	6.81E-07	1.35E-02	2.12E-06	7.40E-07	2.24E-02	3.53E-06	1.23E-06
388	483777.7, 3854071	1.16E-02	1.83E-06	6.36E-07	1.26E-02	1.98E-06	6.91E-07	2.09E-02	3.29E-06	1.15E-06
389	483577.7, 3854121	1.60E-02	2.53E-06	8.80E-07	1.75E-02	2.75E-06	9.58E-07	2.94E-02	4.62E-06	1.61E-06
390	483627.7, 3854121	1.50E-02	2.37E-06	8.26E-07	1.64E-02	2.58E-06	8.99E-07	2.75E-02	4.33E-06	1.51E-06
391	483677.7, 3854121	1.40E-02	2.21E-06	7.69E-07	1.52E-02	2.40E-06	8.36E-07	2.55E-02	4.01E-06	1.40E-06
392	483727.7, 3854121	1.30E-02	2.05E-06	7.13E-07	1.41E-02	2.23E-06	7.76E-07	2.36E-02	3.71E-06	1.29E-06
393	483777.7, 3854121	1.23E-02	1.93E-06	6.74E-07	1.33E-02	2.10E-06	7.33E-07	2.22E-02	3.50E-06	1.22E-06
394	483577.7, 3854171	1.72E-02	2.72E-06	9.46E-07	1.88E-02	2.96E-06	1.03E-06	3.17E-02	4.99E-06	1.74E-06
395	483627.7, 3854171	1.59E-02	2.50E-06	8.70E-07	1.73E-02	2.72E-06	9.47E-07	2.90E-02	4.57E-06	1.59E-06
396	483677.7, 3854171	1.48E-02	2.33E-06	8.11E-07	1.61E-02	2.53E-06	8.82E-07	2.69E-02	4.24E-06	1.48E-06
397	483727.7, 3854171	1.39E-02	2.19E-06	7.62E-07	1.51E-02	2.38E-06	8.29E-07	2.53E-02	3.98E-06	1.39E-06
398	483777.7, 3854171	1.30E-02	2.05E-06	7.14E-07	1.41E-02	2.23E-06	7.76E-07	2.36E-02	3.72E-06	1.30E-06
399	483827.7, 3854171	1.20E-02	1.88E-06	6.57E-07	1.30E-02	2.05E-06	7.14E-07	2.16E-02	3.41E-06	1.19E-06
400	483877.7, 3854171	1.13E-02	1.78E-06	6.22E-07	1.23E-02	1.94E-06	6.76E-07	2.05E-02	3.22E-06	1.12E-06
401	483727.7, 3854221	1.49E-02	2.35E-06	8.19E-07	1.62E-02	2.56E-06	8.90E-07	2.71E-02	4.28E-06	1.49E-06
402	483777.7, 3854221	1.39E-02	2.19E-06	7.62E-07	1.51E-02	2.38E-06	8.29E-07	2.52E-02	3.97E-06	1.38E-06
403	483827.7, 3854221	1.34E-02	2.10E-06	7.33E-07	1.45E-02	2.29E-06	7.97E-07	2.42E-02	3.81E-06	1.33E-06
404	483877.7, 3854221	1.24E-02	1.95E-06	6.81E-07	1.35E-02	2.12E-06	7.40E-07	2.24E-02	3.53E-06	1.23E-06
405	489150.19, 3858726.45	1.44E-02	2.26E-06	7.88E-07	1.53E-02	2.42E-06	8.42E-07	2.27E-02	3.57E-06	1.24E-06
406	489200.19, 3858726.45	1.40E-02	2.20E-06	7.66E-07	1.49E-02	2.35E-06	8.19E-07	2.22E-02	3.50E-06	1.22E-06
407	489150.19, 3858776.45	1.38E-02	2.18E-06	7.58E-07	1.47E-02	2.32E-06	8.09E-07	2.15E-02	3.39E-06	1.18E-06
408	489200.19, 3858776.45	1.34E-02	2.11E-06	7.34E-07	1.43E-02	2.25E-06	7.84E-07	2.10E-02	3.31E-06	1.15E-06
409	488919.6, 3856400.76	1.64E-02	2.58E-06	9.00E-07	1.77E-02	2.79E-06	9.72E-07	2.83E-02	4.46E-06	1.55E-06
410	488919.6, 3856450.76	1.68E-02	2.64E-06	9.19E-07	1.81E-02	2.85E-06	9.93E-07	2.89E-02	4.55E-06	1.59E-06
411	488969.6, 3856450.76	1.65E-02	2.60E-06	9.07E-07	1.78E-02	2.81E-06	9.80E-07	2.85E-02	4.49E-06	1.56E-06
412	488919.6, 3856500.76	1.71E-02	2.70E-06	9.39E-07	1.85E-02	2.91E-06	1.01E-06	2.95E-02	4.65E-06	1.62E-06
413	488969.6, 3856500.76	1.69E-02	2.66E-06	9.27E-07	1.82E-02	2.87E-06	1.00E-06	2.91E-02	4.59E-06	1.60E-06
414	488919.6, 3856550.76	1.75E-02	2.75E-06	9.60E-07	1.89E-02	2.98E-06	1.04E-06	3.02E-02	4.75E-06	1.66E-06
415	488969.6, 3856550.76	1.72E-02	2.72E-06	9.46E-07	1.86E-02	2.93E-06	1.02E-06	2.98E-02	4.69E-06	1.63E-06
416	488819.6, 3856600.76	1.84E-02	2.89E-06	1.01E-06	1.98E-02	3.13E-06	1.09E-06	3.17E-02	4.99E-06	1.74E-06
417	488869.6, 3856600.76	1.81E-02	2.85E-06	9.93E-07	1.95E-02	3.08E-06	1.07E-06	3.12E-02	4.92E-06	1.71E-06
418	488919.6, 3856600.76	1.78E-02	2.81E-06	9.79E-07	1.93E-02	3.04E-06	1.06E-06	3.08E-02	4.85E-06	1.69E-06
419	488819.6, 3856650.76	1.88E-02	2.95E-06	1.03E-06	2.03E-02	3.19E-06	1.11E-06	3.24E-02	5.10E-06	1.78E-06
420	488869.6, 3856650.76	1.85E-02	2.91E-06	1.01E-06	2.00E-02	3.14E-06	1.10E-06	3.19E-02	5.02E-06	1.75E-06
421	488819.6, 3856700.76	1.91E-02	3.02E-06	1.05E-06	2.07E-02	3.26E-06	1.14E-06	3.31E-02	5.21E-06	1.81E-06
422	488869.6, 3856700.76	1.88E-02	2.97E-06	1.03E-06	2.04E-02	3.21E-06	1.12E-06	3.26E-02	5.13E-06	1.79E-06
423	488819.6, 3856750.76	1.95E-02	3.08E-06	1.07E-06	2.11E-02	3.32E-06	1.16E-06	3.37E-02	5.32E-06	1.85E-06
424	488869.6, 3856750.76	1.92E-02	3.03E-06	1.06E-06	2.08E-02	3.27E-06	1.14E-06	3.32E-02	5.23E-06	1.82E-06
425	488819.6, 3857050.76	2.19E-02	3.46E-06	1.20E-06	2.37E-02	3.74E-06	1.30E-06	3.80E-02	5.99E-06	2.09E-06
426	488869.6, 3857050.76	2.16E-02	3.40E-06	1.18E-06	2.33E-02	3.67E-06	1.28E-06	3.73E-02	5.88E-06	2.05E-06
427	488919.6, 3857050.76	2.12E-02	3.34E-06	1.16E-06	2.29E-02	3.60E-06	1.26E-06	3.67E-02	5.78E-06	2.01E-06
428	488819.6, 3857100.76	2.23E-02	3.52E-06	1.23E-06	2.41E-02	3.80E-06	1.32E-06	3.87E-02	6.10E-06	2.12E-06
429	488869.6, 3857100.76	2.19E-02	3.45E-06	1.20E-06	2.37E-02	3.73E-06	1.30E-06	3.80E-02	5.99E-06	2.09E-06
430	488919.6, 3857100.76	2.15E-02	3.39E-06	1.18E-06	2.33E-02	3.66E-06	1.28E-06	3.73E-02	5.88E-06	2.05E-06
431	488819.6, 3857150.76	2.27E-02	3.58E-06	1.25E-06	2.46E-02	3.87E-06	1.35E-06	3.94E-02	6.20E-06	2.16E-06
432	488869.6, 3857150.76	2.23E-02	3.51E-06	1.22E-06	2.41E-02	3.80E-06	1.32E-06	3.86E-02	6.09E-06	2.12E-06
433	488919.6, 3857150.76	2.19E-02	3.45E-06	1.20E-06	2.36E-02	3.72E-06	1.30E-06	3.79E-02	5.97E-06	2.08E-06
434	488969.6, 3857150.76	2.15E-02	3.38E-06	1.18E-06	2.32E-02	3.66E-06	1.27E-06	3.72E-02	5.86E-06	2.04E-06
435	488819.6, 3857200.76	2.31E-02	3.64E-06	1.27E-06	2.50E-02	3.93E-06	1.37E-06	4.01E-02	6.31E-06	2.20E-06
436	488869.6, 3857200.76	2.27E-02	3.57E-06	1.24E-06	2.45E-02	3.86E-06	1.34E-06	3.93E-02	6.19E-06	2.16E-06
437	488919.6, 3857200.76	2.22E-02	3.50E-06	1.22E-06	2.40E-02	3.78E-06	1.32E-06	3.85E-02	6.07E-06	2.12E-06
438	488969.6, 3857200.76	2.18E-02	3.43E-06	1.20E-06	2.36E-02	3.71E-06	1.29E-06	3.78E-02	5.96E-06	2.08E-06
439	488819.6, 3857250.76	2.35E-02	3.70E-06	1.29E-06	2.54E-02	4.00E-06	1.39E-06	4.07E-02	6.42E-06	2.24E-06
440	488869.6, 3857250.76	2.30E-02	3.62E-06	1.26E-06	2.49E-02	3.92E-06	1.37E-06	3.99E-02	6.29E-06	2.19E-06
441	488919.6, 3857250.76	2.26E-02	3.55E-06	1.24E-06	2.44E-02	3.84E-06	1.34E-06	3.91E-02	6.17E-06	2.15E-06
442	488969.6, 3857250.76	2.21E-02	3.48E-06	1.21E-06	2.39E-02	3.77E-06	1.31E-06	3.84E-02	6.05E-06	2.11E-06
443	488819.6, 3857300.76	2.38E-02	3.76E-06	1.31E-06	2.58E-02	4.06E-06	1.41E-06	4.14E-02	6.52E-06	2.27E-06
444	488869.6, 3857300.76	2.34E-02	3.68E-06	1.28E-06	2.52E-02	3.98E-06	1.39E-06	4.05E-02	6.39E-06	2.23E-06

445	488919.6, 3857300.76	2.29E-02	3.60E-06	1.26E-06	2.47E-02	3.90E-06	1.36E-06	3.97E-02	6.26E-06	2.18E-06
446	488819.6, 3857450.76	2.49E-02	3.92E-06	1.37E-06	2.69E-02	4.24E-06	1.48E-06	4.32E-02	6.81E-06	2.37E-06
447	488869.6, 3857450.76	2.43E-02	3.83E-06	1.33E-06	2.63E-02	4.14E-06	1.44E-06	4.23E-02	6.66E-06	2.32E-06
448	488919.6, 3857450.76	2.38E-02	3.75E-06	1.31E-06	2.57E-02	4.05E-06	1.41E-06	4.13E-02	6.51E-06	2.27E-06
449	488819.6, 3857500.76	2.52E-02	3.97E-06	1.38E-06	2.73E-02	4.29E-06	1.50E-06	4.38E-02	6.90E-06	2.40E-06
450	488869.6, 3857500.76	2.46E-02	3.88E-06	1.35E-06	2.66E-02	4.19E-06	1.46E-06	4.28E-02	6.74E-06	2.35E-06
451	488919.6, 3857500.76	2.41E-02	3.79E-06	1.32E-06	2.60E-02	4.10E-06	1.43E-06	4.18E-02	6.59E-06	2.29E-06
452	488819.6, 3857550.76	2.55E-02	4.02E-06	1.40E-06	2.76E-02	4.35E-06	1.51E-06	4.44E-02	6.99E-06	2.43E-06
453	488869.6, 3857550.76	2.49E-02	3.92E-06	1.37E-06	2.69E-02	4.24E-06	1.48E-06	4.33E-02	6.82E-06	2.38E-06
454	488919.6, 3857550.76	2.43E-02	3.83E-06	1.33E-06	2.63E-02	4.14E-06	1.44E-06	4.23E-02	6.66E-06	2.32E-06
455	489663.71, 3860900.05	2.05E-03	3.23E-07	1.13E-07	2.21E-03	3.49E-07	1.21E-07	3.49E-03	5.50E-07	1.91E-07
456	489813.71, 3860900.05	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.52E-03	5.54E-07	1.93E-07
457	489863.71, 3860900.05	2.07E-03	3.27E-07	1.14E-07	2.24E-03	3.52E-07	1.23E-07	3.53E-03	5.55E-07	1.94E-07
458	489913.71, 3860900.05	2.08E-03	3.28E-07	1.14E-07	2.24E-03	3.54E-07	1.23E-07	3.54E-03	5.58E-07	1.94E-07
459	489963.71, 3860900.05	2.08E-03	3.28E-07	1.14E-07	2.25E-03	3.54E-07	1.23E-07	3.55E-03	5.59E-07	1.95E-07
460	490013.71, 3860900.05	2.09E-03	3.30E-07	1.15E-07	2.26E-03	3.56E-07	1.24E-07	3.56E-03	5.61E-07	1.95E-07
461	490063.71, 3860900.05	2.10E-03	3.31E-07	1.15E-07	2.26E-03	3.56E-07	1.24E-07	3.57E-03	5.63E-07	1.96E-07
462	489663.71, 3860950.05	2.00E-03	3.16E-07	1.10E-07	2.16E-03	3.40E-07	1.19E-07	3.41E-03	5.37E-07	1.87E-07
463	489813.71, 3860950.05	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.20E-07	3.44E-03	5.41E-07	1.89E-07
464	489863.71, 3860950.05	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.44E-03	5.42E-07	1.89E-07
465	489913.71, 3860950.05	2.03E-03	3.20E-07	1.11E-07	2.19E-03	3.45E-07	1.20E-07	3.45E-03	5.44E-07	1.89E-07
466	489963.71, 3860950.05	2.03E-03	3.20E-07	1.12E-07	2.19E-03	3.46E-07	1.20E-07	3.46E-03	5.45E-07	1.90E-07
467	490013.71, 3860950.05	2.04E-03	3.21E-07	1.12E-07	2.20E-03	3.47E-07	1.21E-07	3.47E-03	5.47E-07	1.91E-07
468	490063.71, 3860950.05	2.05E-03	3.22E-07	1.12E-07	2.21E-03	3.48E-07	1.21E-07	3.48E-03	5.49E-07	1.91E-07
469	489513.71, 3861000.05	1.95E-03	3.07E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.31E-03	5.21E-07	1.82E-07
470	489563.71, 3861000.05	1.95E-03	3.07E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.31E-03	5.22E-07	1.82E-07
471	489613.71, 3861000.05	1.96E-03	3.08E-07	1.07E-07	2.11E-03	3.32E-07	1.16E-07	3.32E-03	5.23E-07	1.82E-07
472	489663.71, 3861000.05	1.96E-03	3.09E-07	1.08E-07	2.11E-03	3.33E-07	1.16E-07	3.33E-03	5.24E-07	1.83E-07
473	489713.71, 3861000.05	1.96E-03	3.09E-07	1.08E-07	2.12E-03	3.33E-07	1.16E-07	3.33E-03	5.25E-07	1.83E-07
474	489763.71, 3861000.05	1.97E-03	3.10E-07	1.08E-07	2.12E-03	3.34E-07	1.16E-07	3.34E-03	5.26E-07	1.83E-07
475	489813.71, 3861000.05	1.97E-03	3.11E-07	1.08E-07	2.13E-03	3.35E-07	1.17E-07	3.36E-03	5.29E-07	1.84E-07
476	489863.71, 3861000.05	1.98E-03	3.11E-07	1.08E-07	2.13E-03	3.36E-07	1.17E-07	3.36E-03	5.29E-07	1.84E-07
477	489913.71, 3861000.05	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.37E-03	5.31E-07	1.85E-07
478	489963.71, 3861000.05	1.98E-03	3.13E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.38E-03	5.32E-07	1.85E-07
479	490013.71, 3861000.05	1.99E-03	3.14E-07	1.09E-07	2.15E-03	3.38E-07	1.18E-07	3.39E-03	5.34E-07	1.86E-07
480	490063.71, 3861000.05	2.00E-03	3.14E-07	1.10E-07	2.15E-03	3.39E-07	1.18E-07	3.40E-03	5.35E-07	1.86E-07
481	489513.71, 3861050.05	1.91E-03	3.00E-07	1.05E-07	2.06E-03	3.24E-07	1.13E-07	3.24E-03	5.10E-07	1.78E-07
482	489563.71, 3861050.05	1.91E-03	3.01E-07	1.05E-07	2.06E-03	3.24E-07	1.13E-07	3.24E-03	5.11E-07	1.78E-07
483	489613.71, 3861050.05	1.91E-03	3.02E-07	1.05E-07	2.06E-03	3.25E-07	1.13E-07	3.25E-03	5.12E-07	1.79E-07
484	489663.71, 3861050.05	1.92E-03	3.02E-07	1.05E-07	2.07E-03	3.25E-07	1.13E-07	3.25E-03	5.13E-07	1.79E-07
485	489713.71, 3861050.05	1.92E-03	3.02E-07	1.05E-07	2.07E-03	3.26E-07	1.13E-07	3.26E-03	5.13E-07	1.79E-07
486	489763.71, 3861050.05	1.92E-03	3.03E-07	1.05E-07	2.07E-03	3.26E-07	1.14E-07	3.27E-03	5.14E-07	1.79E-07
487	489813.71, 3861050.05	1.93E-03	3.03E-07	1.06E-07	2.08E-03	3.27E-07	1.14E-07	3.28E-03	5.16E-07	1.80E-07
488	489863.71, 3861050.05	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.28E-03	5.17E-07	1.80E-07
489	489913.71, 3861050.05	1.93E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.29E-03	5.18E-07	1.81E-07
490	489963.71, 3861050.05	1.94E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.30E-03	5.19E-07	1.81E-07
491	490013.71, 3861050.05	1.95E-03	3.07E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.31E-03	5.22E-07	1.82E-07
492	490063.71, 3861050.05	1.95E-03	3.07E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.32E-03	5.23E-07	1.82E-07
493	489513.71, 3861100.05	1.87E-03	2.95E-07	1.03E-07	2.02E-03	3.18E-07	1.11E-07	3.17E-03	5.00E-07	1.74E-07
494	489563.71, 3861100.05	1.87E-03	2.94E-07	1.03E-07	2.01E-03	3.17E-07	1.11E-07	3.17E-03	5.00E-07	1.74E-07
495	489613.71, 3861100.05	1.87E-03	2.94E-07	1.02E-07	2.01E-03	3.17E-07	1.10E-07	3.17E-03	4.99E-07	1.74E-07
496	489663.71, 3861100.05	1.87E-03	2.94E-07	1.03E-07	2.02E-03	3.17E-07	1.11E-07	3.17E-03	5.00E-07	1.74E-07
497	489713.71, 3861100.05	1.87E-03	2.95E-07	1.03E-07	2.02E-03	3.18E-07	1.11E-07	3.18E-03	5.01E-07	1.75E-07
498	489763.71, 3861100.05	1.88E-03	2.96E-07	1.03E-07	2.02E-03	3.19E-07	1.11E-07	3.19E-03	5.02E-07	1.75E-07
499	489813.71, 3861100.05	1.88E-03	2.96E-07	1.03E-07	2.03E-03	3.20E-07	1.11E-07	3.20E-03	5.04E-07	1.76E-07
500	489863.71, 3861100.05	1.89E-03	2.97E-07	1.04E-07	2.04E-03	3.21E-07	1.12E-07	3.21E-03	5.06E-07	1.76E-07
501	489913.71, 3861100.05	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.21E-07	1.12E-07	3.21E-03	5.06E-07	1.76E-07
502	489963.71, 3861100.05	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.22E-03	5.08E-07	1.77E-07
503	490013.71, 3861100.05	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.22E-07	1.12E-07	3.23E-03	5.09E-07	1.77E-07
504	490063.71, 3861100.05	1.90E-03	3.00E-07	1.04E-07	2.05E-03	3.23E-07	1.13E-07	3.24E-03	5.10E-07	1.78E-07
505	489713.71, 3861150.05	1.83E-03	2.88E-07	1.00E-07	1.97E-03	3.11E-07	1.08E-07	3.11E-03	4.90E-07	1.71E-07
506	489763.71, 3861150.05	1.83E-03	2.89E-07	1.01E-07	1.98E-03	3.12E-07	1.09E-07	3.12E-03	4.91E-07	1.71E-07
507	489813.71, 3861150.05	1.84E-03	2.90E-07	1.01E-07	1.98E-03	3.12E-07	1.09E-07	3.13E-03	4.93E-07	1.72E-07
508	489863.71, 3861150.05	1.84E-03	2.90E-07	1.01E-07	1.99E-03	3.13E-07	1.09E-07	3.13E-03	4.94E-07	1.72E-07

509	489913.71, 3861150.05	1.85E-03	2.91E-07	1.01E-07	1.99E-03	3.14E-07	1.09E-07	3.14E-03	4.95E-07	1.72E-07
510	489963.71, 3861150.05	1.85E-03	2.91E-07	1.01E-07	1.99E-03	3.14E-07	1.09E-07	3.15E-03	4.95E-07	1.73E-07
511	490013.71, 3861150.05	1.85E-03	2.92E-07	1.02E-07	2.00E-03	3.15E-07	1.10E-07	3.15E-03	4.96E-07	1.73E-07
512	490063.71, 3861150.05	1.86E-03	2.93E-07	1.02E-07	2.00E-03	3.16E-07	1.10E-07	3.16E-03	4.98E-07	1.73E-07
513	489613.71, 3861200.05	1.78E-03	2.81E-07	9.79E-08	1.92E-03	3.03E-07	1.06E-07	3.03E-03	4.77E-07	1.66E-07
514	489663.71, 3861200.05	1.79E-03	2.81E-07	9.81E-08	1.93E-03	3.04E-07	1.06E-07	3.04E-03	4.78E-07	1.67E-07
515	489713.71, 3861200.05	1.79E-03	2.82E-07	9.83E-08	1.93E-03	3.04E-07	1.06E-07	3.04E-03	4.79E-07	1.67E-07
516	489763.71, 3861200.05	1.79E-03	2.83E-07	9.85E-08	1.93E-03	3.05E-07	1.06E-07	3.05E-03	4.80E-07	1.67E-07
517	489813.71, 3861200.05	1.80E-03	2.83E-07	9.87E-08	1.94E-03	3.05E-07	1.06E-07	3.06E-03	4.82E-07	1.68E-07
518	489863.71, 3861200.05	1.80E-03	2.84E-07	9.90E-08	1.94E-03	3.06E-07	1.07E-07	3.07E-03	4.83E-07	1.68E-07
519	489913.71, 3861200.05	1.81E-03	2.85E-07	9.91E-08	1.95E-03	3.07E-07	1.07E-07	3.07E-03	4.84E-07	1.69E-07
520	489963.71, 3861200.05	1.81E-03	2.85E-07	9.92E-08	1.95E-03	3.07E-07	1.07E-07	3.08E-03	4.84E-07	1.69E-07
521	490013.71, 3861200.05	1.81E-03	2.85E-07	9.94E-08	1.95E-03	3.08E-07	1.07E-07	3.08E-03	4.86E-07	1.69E-07
522	490063.71, 3861200.05	1.82E-03	2.86E-07	9.96E-08	1.96E-03	3.08E-07	1.07E-07	3.09E-03	4.87E-07	1.70E-07
523	489513.71, 3861250.05	1.74E-03	2.74E-07	9.54E-08	1.87E-03	2.95E-07	1.03E-07	2.95E-03	4.65E-07	1.62E-07
524	489563.71, 3861250.05	1.74E-03	2.75E-07	9.57E-08	1.88E-03	2.96E-07	1.03E-07	2.96E-03	4.66E-07	1.62E-07
525	489613.71, 3861250.05	1.75E-03	2.75E-07	9.59E-08	1.88E-03	2.97E-07	1.03E-07	2.97E-03	4.67E-07	1.63E-07
526	489663.71, 3861250.05	1.75E-03	2.76E-07	9.60E-08	1.89E-03	2.97E-07	1.04E-07	2.97E-03	4.68E-07	1.63E-07
527	489713.71, 3861250.05	1.75E-03	2.76E-07	9.62E-08	1.89E-03	2.98E-07	1.04E-07	2.98E-03	4.69E-07	1.63E-07
528	489763.71, 3861250.05	1.76E-03	2.77E-07	9.64E-08	1.89E-03	2.98E-07	1.04E-07	2.98E-03	4.70E-07	1.64E-07
529	489813.71, 3861250.05	1.76E-03	2.77E-07	9.66E-08	1.90E-03	2.99E-07	1.04E-07	2.99E-03	4.71E-07	1.64E-07
530	489863.71, 3861250.05	1.76E-03	2.78E-07	9.68E-08	1.90E-03	2.99E-07	1.04E-07	3.00E-03	4.72E-07	1.64E-07
531	489913.71, 3861250.05	1.77E-03	2.78E-07	9.70E-08	1.91E-03	3.00E-07	1.05E-07	3.01E-03	4.73E-07	1.65E-07
532	489963.71, 3861250.05	1.77E-03	2.79E-07	9.72E-08	1.91E-03	3.01E-07	1.05E-07	3.01E-03	4.74E-07	1.65E-07
533	490013.71, 3861250.05	1.77E-03	2.79E-07	9.73E-08	1.91E-03	3.01E-07	1.05E-07	3.02E-03	4.75E-07	1.66E-07
534	490063.71, 3861250.05	1.78E-03	2.80E-07	9.74E-08	1.91E-03	3.02E-07	1.05E-07	3.02E-03	4.76E-07	1.66E-07
535	489528.13, 3861308.47	1.70E-03	2.67E-07	9.31E-08	1.83E-03	2.88E-07	1.00E-07	2.88E-03	4.54E-07	1.58E-07
536	489578.13, 3861308.47	1.70E-03	2.68E-07	9.33E-08	1.83E-03	2.89E-07	1.01E-07	2.89E-03	4.55E-07	1.58E-07
537	489628.13, 3861308.47	1.70E-03	2.68E-07	9.35E-08	1.84E-03	2.89E-07	1.01E-07	2.89E-03	4.56E-07	1.59E-07
538	489678.13, 3861308.47	1.71E-03	2.69E-07	9.37E-08	1.84E-03	2.90E-07	1.01E-07	2.90E-03	4.57E-07	1.59E-07
539	489728.13, 3861308.47	1.71E-03	2.70E-07	9.39E-08	1.85E-03	2.91E-07	1.01E-07	2.91E-03	4.58E-07	1.60E-07
540	489778.13, 3861308.47	1.71E-03	2.70E-07	9.40E-08	1.85E-03	2.91E-07	1.01E-07	2.91E-03	4.59E-07	1.60E-07
541	489678.13, 3861358.47	1.67E-03	2.63E-07	9.18E-08	1.80E-03	2.84E-07	9.90E-08	2.84E-03	4.47E-07	1.56E-07
542	489728.13, 3861358.47	1.68E-03	2.64E-07	9.19E-08	1.81E-03	2.85E-07	9.91E-08	2.85E-03	4.48E-07	1.56E-07
543	489528.13, 3861408.47	1.63E-03	2.56E-07	8.93E-08	1.76E-03	2.76E-07	9.63E-08	2.76E-03	4.35E-07	1.52E-07
544	489578.13, 3861408.47	1.63E-03	2.57E-07	8.95E-08	1.76E-03	2.77E-07	9.65E-08	2.77E-03	4.36E-07	1.52E-07
545	489628.13, 3861408.47	1.64E-03	2.58E-07	8.98E-08	1.77E-03	2.78E-07	9.69E-08	2.78E-03	4.38E-07	1.53E-07
546	489678.13, 3861408.47	1.64E-03	2.58E-07	9.00E-08	1.77E-03	2.78E-07	9.70E-08	2.78E-03	4.39E-07	1.53E-07
547	489728.13, 3861408.47	1.64E-03	2.58E-07	9.01E-08	1.77E-03	2.79E-07	9.71E-08	2.79E-03	4.39E-07	1.53E-07
548	489528.13, 3861458.47	1.60E-03	2.52E-07	8.76E-08	1.72E-03	2.71E-07	9.45E-08	2.71E-03	4.27E-07	1.49E-07
549	489578.13, 3861458.47	1.60E-03	2.52E-07	8.78E-08	1.73E-03	2.72E-07	9.47E-08	2.72E-03	4.28E-07	1.49E-07
550	489628.13, 3861458.47	1.60E-03	2.53E-07	8.80E-08	1.73E-03	2.72E-07	9.49E-08	2.72E-03	4.29E-07	1.49E-07
551	489678.13, 3861458.47	1.61E-03	2.53E-07	8.81E-08	1.73E-03	2.73E-07	9.50E-08	2.73E-03	4.30E-07	1.50E-07
552	489728.13, 3861458.47	1.61E-03	2.53E-07	8.81E-08	1.73E-03	2.73E-07	9.50E-08	2.73E-03	4.30E-07	1.50E-07
553	489528.13, 3861508.47	1.57E-03	2.47E-07	8.59E-08	1.69E-03	2.66E-07	9.27E-08	2.66E-03	4.19E-07	1.46E-07
554	489578.13, 3861508.47	1.57E-03	2.47E-07	8.61E-08	1.69E-03	2.66E-07	9.28E-08	2.66E-03	4.19E-07	1.46E-07
555	489628.13, 3861508.47	1.57E-03	2.47E-07	8.62E-08	1.69E-03	2.67E-07	9.30E-08	2.67E-03	4.20E-07	1.46E-07
556	489678.13, 3861508.47	1.57E-03	2.48E-07	8.63E-08	1.70E-03	2.67E-07	9.31E-08	2.67E-03	4.21E-07	1.47E-07
557	489728.13, 3861508.47	1.57E-03	2.48E-07	8.64E-08	1.70E-03	2.67E-07	9.31E-08	2.67E-03	4.21E-07	1.47E-07
558	489628.13, 3861558.47	1.54E-03	2.43E-07	8.46E-08	1.66E-03	2.62E-07	9.12E-08	2.62E-03	4.12E-07	1.44E-07
559	489678.13, 3861558.47	1.55E-03	2.43E-07	8.48E-08	1.67E-03	2.62E-07	9.14E-08	2.62E-03	4.13E-07	1.44E-07
560	489728.13, 3861558.47	1.55E-03	2.44E-07	8.49E-08	1.67E-03	2.63E-07	9.15E-08	2.63E-03	4.14E-07	1.44E-07
561	489357.08, 3861015.81	1.93E-03	3.03E-07	1.06E-07	2.08E-03	3.27E-07	1.14E-07	3.27E-03	5.15E-07	1.79E-07
562	489407.08, 3861015.81	1.93E-03	3.03E-07	1.06E-07	2.08E-03	3.27E-07	1.14E-07	3.27E-03	5.15E-07	1.79E-07
563	489457.08, 3861015.81	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.27E-03	5.16E-07	1.80E-07
564	489357.08, 3861065.81	1.88E-03	2.97E-07	1.03E-07	2.03E-03	3.20E-07	1.11E-07	3.20E-03	5.03E-07	1.75E-07
565	489407.08, 3861065.81	1.88E-03	2.97E-07	1.03E-07	2.03E-03	3.20E-07	1.11E-07	3.20E-03	5.04E-07	1.75E-07
566	489457.08, 3861065.81	1.89E-03	2.97E-07	1.04E-07	2.03E-03	3.20E-07	1.12E-07	3.20E-03	5.04E-07	1.76E-07
567	489357.08, 3861115.81	1.84E-03	2.90E-07	1.01E-07	1.99E-03	3.13E-07	1.09E-07	3.13E-03	4.93E-07	1.72E-07
568	489407.08, 3861115.81	1.85E-03	2.91E-07	1.01E-07	1.99E-03	3.14E-07	1.09E-07	3.13E-03	4.94E-07	1.72E-07
569	489457.08, 3861115.81	1.85E-03	2.91E-07	1.01E-07	1.99E-03	3.14E-07	1.09E-07	3.14E-03	4.94E-07	1.72E-07
570	489407.08, 3861165.81	1.81E-03	2.85E-07	9.93E-08	1.95E-03	3.07E-07	1.07E-07	3.07E-03	4.84E-07	1.68E-07
571	489457.08, 3861165.81	1.81E-03	2.85E-07	9.93E-08	1.95E-03	3.07E-07	1.07E-07	3.07E-03	4.84E-07	1.69E-07
572	489407.08, 3861215.81	1.76E-03	2.78E-07	9.68E-08	1.90E-03	3.00E-07	1.04E-07	2.99E-03	4.71E-07	1.64E-07

573	489457.08, 3861215.81	1.77E-03	2.78E-07	9.69E-08	1.90E-03	3.00E-07	1.04E-07	3.00E-03	4.72E-07	1.64E-07
574	489407.08, 3861265.81	1.72E-03	2.71E-07	9.44E-08	1.85E-03	2.92E-07	1.02E-07	2.92E-03	4.59E-07	1.60E-07
575	489457.08, 3861265.81	1.72E-03	2.71E-07	9.46E-08	1.86E-03	2.93E-07	1.02E-07	2.92E-03	4.61E-07	1.60E-07
576	489309.86, 3861110.14	1.84E-03	2.90E-07	1.01E-07	1.99E-03	3.13E-07	1.09E-07	3.13E-03	4.92E-07	1.72E-07
577	489407.08, 3861315.81	1.68E-03	2.65E-07	9.24E-08	1.81E-03	2.86E-07	9.96E-08	2.86E-03	4.50E-07	1.57E-07
578	489457.08, 3861315.81	1.69E-03	2.66E-07	9.26E-08	1.82E-03	2.87E-07	9.99E-08	2.86E-03	4.51E-07	1.57E-07
579	488906.03, 3861006.75	1.92E-03	3.03E-07	1.06E-07	2.07E-03	3.26E-07	1.14E-07	3.26E-03	5.13E-07	1.79E-07
580	488956.03, 3861006.75	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.27E-03	5.15E-07	1.79E-07
581	488904.24, 3861051.87	1.91E-03	3.01E-07	1.05E-07	2.06E-03	3.24E-07	1.13E-07	3.23E-03	5.10E-07	1.78E-07
582	488954.24, 3861051.87	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.23E-07	1.12E-07	3.22E-03	5.07E-07	1.77E-07
583	489004.24, 3861051.87	1.91E-03	3.01E-07	1.05E-07	2.06E-03	3.24E-07	1.13E-07	3.24E-03	5.10E-07	1.78E-07
584	488804.24, 3861101.87	1.85E-03	2.92E-07	1.02E-07	1.99E-03	3.14E-07	1.09E-07	3.13E-03	4.94E-07	1.72E-07
585	488854.24, 3861101.87	1.86E-03	2.93E-07	1.02E-07	2.00E-03	3.15E-07	1.10E-07	3.15E-03	4.96E-07	1.73E-07
586	488904.24, 3861101.87	1.84E-03	2.90E-07	1.01E-07	1.98E-03	3.12E-07	1.09E-07	3.12E-03	4.91E-07	1.71E-07
587	488954.24, 3861101.87	1.84E-03	2.89E-07	1.01E-07	1.98E-03	3.12E-07	1.09E-07	3.11E-03	4.90E-07	1.71E-07
588	489004.24, 3861101.87	1.84E-03	2.90E-07	1.01E-07	1.98E-03	3.12E-07	1.09E-07	3.12E-03	4.91E-07	1.71E-07
589	488804.24, 3861151.87	1.79E-03	2.81E-07	9.80E-08	1.93E-03	3.03E-07	1.06E-07	3.02E-03	4.76E-07	1.66E-07
590	488854.24, 3861151.87	1.78E-03	2.81E-07	9.80E-08	1.92E-03	3.03E-07	1.06E-07	3.02E-03	4.76E-07	1.66E-07
591	489129.49, 3861187.55	1.77E-03	2.78E-07	9.69E-08	1.90E-03	3.00E-07	1.04E-07	2.99E-03	4.72E-07	1.64E-07
592	489179.49, 3861187.55	1.77E-03	2.79E-07	9.70E-08	1.91E-03	3.00E-07	1.05E-07	3.00E-03	4.72E-07	1.64E-07
593	488804.24, 3861201.87	1.75E-03	2.76E-07	9.60E-08	1.89E-03	2.97E-07	1.03E-07	2.96E-03	4.67E-07	1.63E-07
594	488854.24, 3861201.87	1.74E-03	2.75E-07	9.57E-08	1.88E-03	2.96E-07	1.03E-07	2.95E-03	4.65E-07	1.62E-07
595	489129.49, 3861237.55	1.73E-03	2.73E-07	9.51E-08	1.87E-03	2.94E-07	1.03E-07	2.94E-03	4.63E-07	1.61E-07
596	489179.49, 3861237.55	1.73E-03	2.73E-07	9.50E-08	1.87E-03	2.94E-07	1.02E-07	2.93E-03	4.62E-07	1.61E-07
597	488804.24, 3861251.87	1.71E-03	2.70E-07	9.41E-08	1.85E-03	2.91E-07	1.01E-07	2.90E-03	4.57E-07	1.59E-07
598	488854.24, 3861251.87	1.71E-03	2.69E-07	9.37E-08	1.84E-03	2.90E-07	1.01E-07	2.89E-03	4.56E-07	1.59E-07
599	488804.24, 3861301.87	1.68E-03	2.64E-07	9.20E-08	1.81E-03	2.85E-07	9.92E-08	2.84E-03	4.47E-07	1.56E-07
600	488854.24, 3861301.87	1.67E-03	2.64E-07	9.19E-08	1.80E-03	2.84E-07	9.90E-08	2.83E-03	4.47E-07	1.56E-07
601	490943.5, 3860181.97	2.81E-03	4.43E-07	1.54E-07	3.03E-03	4.78E-07	1.66E-07	4.79E-03	7.54E-07	2.63E-07
602	490993.5, 3860181.97	2.82E-03	4.44E-07	1.55E-07	3.04E-03	4.79E-07	1.67E-07	4.80E-03	7.56E-07	2.63E-07
603	491043.5, 3860181.97	2.83E-03	4.45E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.81E-03	7.58E-07	2.64E-07
604	491093.5, 3860181.97	2.83E-03	4.46E-07	1.55E-07	3.06E-03	4.81E-07	1.68E-07	4.82E-03	7.60E-07	2.65E-07
605	490943.5, 3860231.97	2.72E-03	4.28E-07	1.49E-07	2.93E-03	4.62E-07	1.61E-07	4.62E-03	7.28E-07	2.54E-07
606	490993.5, 3860231.97	2.73E-03	4.30E-07	1.50E-07	2.94E-03	4.64E-07	1.61E-07	4.64E-03	7.32E-07	2.55E-07
607	491043.5, 3860231.97	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.64E-07	1.62E-07	4.65E-03	7.32E-07	2.55E-07
608	491093.5, 3860231.97	2.73E-03	4.31E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.66E-03	7.33E-07	2.56E-07
609	490943.5, 3860281.97	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.48E-03	7.05E-07	2.46E-07
610	490993.5, 3860281.97	2.64E-03	4.15E-07	1.45E-07	2.84E-03	4.48E-07	1.56E-07	4.49E-03	7.07E-07	2.46E-07
611	491043.5, 3860281.97	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.50E-03	7.08E-07	2.47E-07
612	491093.5, 3860281.97	2.64E-03	4.17E-07	1.45E-07	2.85E-03	4.49E-07	1.57E-07	4.50E-03	7.09E-07	2.47E-07
613	490943.5, 3860331.97	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.34E-03	6.84E-07	2.38E-07
614	490993.5, 3860331.97	2.55E-03	4.02E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.34E-03	6.84E-07	2.38E-07
615	491043.5, 3860331.97	2.55E-03	4.02E-07	1.40E-07	2.75E-03	4.34E-07	1.51E-07	4.35E-03	6.85E-07	2.39E-07
616	491093.5, 3860331.97	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.34E-07	1.51E-07	4.35E-03	6.86E-07	2.39E-07
617	490086.72, 3859935.12	3.32E-03	5.22E-07	1.82E-07	3.58E-03	5.63E-07	1.96E-07	5.63E-03	8.87E-07	3.09E-07
618	490136.72, 3859935.12	3.30E-03	5.21E-07	1.81E-07	3.56E-03	5.61E-07	1.96E-07	5.61E-03	8.84E-07	3.08E-07
619	490186.72, 3859935.12	3.30E-03	5.19E-07	1.81E-07	3.55E-03	5.60E-07	1.95E-07	5.60E-03	8.82E-07	3.07E-07
620	490236.72, 3859935.12	3.29E-03	5.18E-07	1.81E-07	3.55E-03	5.59E-07	1.95E-07	5.59E-03	8.81E-07	3.07E-07
621	490286.72, 3859935.12	3.29E-03	5.18E-07	1.80E-07	3.54E-03	5.58E-07	1.95E-07	5.58E-03	8.80E-07	3.06E-07
622	490336.72, 3859935.12	3.29E-03	5.18E-07	1.80E-07	3.54E-03	5.58E-07	1.95E-07	5.58E-03	8.79E-07	3.06E-07
623	490386.72, 3859935.12	3.29E-03	5.18E-07	1.81E-07	3.55E-03	5.59E-07	1.95E-07	5.59E-03	8.80E-07	3.07E-07
624	490436.72, 3859935.12	3.30E-03	5.19E-07	1.81E-07	3.55E-03	5.60E-07	1.95E-07	5.60E-03	8.82E-07	3.07E-07
625	490486.72, 3859935.12	3.30E-03	5.21E-07	1.81E-07	3.56E-03	5.61E-07	1.96E-07	5.61E-03	8.84E-07	3.08E-07
626	490536.72, 3859935.12	3.32E-03	5.23E-07	1.82E-07	3.58E-03	5.64E-07	1.97E-07	5.64E-03	8.89E-07	3.10E-07
627	490586.72, 3859935.12	3.34E-03	5.27E-07	1.83E-07	3.60E-03	5.68E-07	1.98E-07	5.68E-03	8.95E-07	3.12E-07
628	490636.72, 3859935.12	3.36E-03	5.29E-07	1.84E-07	3.62E-03	5.70E-07	1.99E-07	5.70E-03	8.99E-07	3.13E-07
629	490686.72, 3859935.12	3.38E-03	5.33E-07	1.86E-07	3.65E-03	5.75E-07	2.00E-07	5.75E-03	9.06E-07	3.15E-07
630	490736.72, 3859935.12	3.40E-03	5.36E-07	1.87E-07	3.67E-03	5.78E-07	2.01E-07	5.78E-03	9.11E-07	3.17E-07
631	490086.72, 3859985.12	3.22E-03	5.08E-07	1.77E-07	3.48E-03	5.48E-07	1.91E-07	5.48E-03	8.63E-07	3.01E-07
632	490136.72, 3859985.12	3.21E-03	5.05E-07	1.76E-07	3.46E-03	5.45E-07	1.90E-07	5.45E-03	8.59E-07	2.99E-07
633	490186.72, 3859985.12	3.20E-03	5.04E-07	1.76E-07	3.45E-03	5.43E-07	1.89E-07	5.43E-03	8.56E-07	2.98E-07
634	490236.72, 3859985.12	3.19E-03	5.03E-07	1.75E-07	3.44E-03	5.42E-07	1.89E-07	5.42E-03	8.54E-07	2.98E-07
635	490286.72, 3859985.12	3.18E-03	5.02E-07	1.75E-07	3.43E-03	5.41E-07	1.88E-07	5.41E-03	8.52E-07	2.97E-07
636	490336.72, 3859985.12	3.18E-03	5.01E-07	1.74E-07	3.43E-03	5.40E-07	1.88E-07	5.40E-03	8.51E-07	2.97E-07

637	490386.72, 3859985.12	3.17E-03	5.00E-07	1.74E-07	3.42E-03	5.39E-07	1.88E-07	5.39E-03	8.50E-07	2.96E-07
638	490436.72, 3859985.12	3.17E-03	5.00E-07	1.74E-07	3.42E-03	5.39E-07	1.88E-07	5.40E-03	8.50E-07	2.96E-07
639	490486.72, 3859985.12	3.18E-03	5.01E-07	1.75E-07	3.43E-03	5.40E-07	1.88E-07	5.40E-03	8.51E-07	2.97E-07
640	490536.72, 3859985.12	3.19E-03	5.03E-07	1.75E-07	3.44E-03	5.42E-07	1.89E-07	5.42E-03	8.54E-07	2.98E-07
641	490586.72, 3859985.12	3.21E-03	5.05E-07	1.76E-07	3.46E-03	5.44E-07	1.90E-07	5.45E-03	8.58E-07	2.99E-07
642	490636.72, 3859985.12	3.22E-03	5.08E-07	1.77E-07	3.48E-03	5.47E-07	1.91E-07	5.48E-03	8.63E-07	3.01E-07
643	490686.72, 3859985.12	3.25E-03	5.12E-07	1.78E-07	3.50E-03	5.52E-07	1.92E-07	5.52E-03	8.70E-07	3.03E-07
644	490736.72, 3859985.12	3.26E-03	5.14E-07	1.79E-07	3.52E-03	5.54E-07	1.93E-07	5.54E-03	8.73E-07	3.04E-07
645	490786.72, 3859985.12	3.27E-03	5.16E-07	1.80E-07	3.53E-03	5.56E-07	1.94E-07	5.57E-03	8.77E-07	3.05E-07
646	490086.72, 3860035.12	3.14E-03	4.95E-07	1.72E-07	3.39E-03	5.34E-07	1.86E-07	5.34E-03	8.42E-07	2.93E-07
647	490136.72, 3860035.12	3.12E-03	4.92E-07	1.71E-07	3.37E-03	5.31E-07	1.85E-07	5.31E-03	8.37E-07	2.92E-07
648	490186.72, 3860035.12	3.11E-03	4.90E-07	1.71E-07	3.35E-03	5.28E-07	1.84E-07	5.29E-03	8.33E-07	2.90E-07
649	490236.72, 3860035.12	3.10E-03	4.88E-07	1.70E-07	3.34E-03	5.26E-07	1.83E-07	5.27E-03	8.29E-07	2.89E-07
650	490286.72, 3860035.12	3.09E-03	4.86E-07	1.69E-07	3.33E-03	5.24E-07	1.83E-07	5.25E-03	8.26E-07	2.88E-07
651	490336.72, 3860035.12	3.08E-03	4.85E-07	1.69E-07	3.32E-03	5.23E-07	1.82E-07	5.24E-03	8.25E-07	2.87E-07
652	490386.72, 3860035.12	3.07E-03	4.84E-07	1.69E-07	3.31E-03	5.22E-07	1.82E-07	5.22E-03	8.23E-07	2.87E-07
653	490436.72, 3860035.12	3.07E-03	4.83E-07	1.68E-07	3.31E-03	5.21E-07	1.82E-07	5.22E-03	8.22E-07	2.86E-07
654	490486.72, 3860035.12	3.07E-03	4.83E-07	1.68E-07	3.31E-03	5.21E-07	1.82E-07	5.22E-03	8.22E-07	2.86E-07
655	490536.72, 3860035.12	3.07E-03	4.84E-07	1.69E-07	3.31E-03	5.22E-07	1.82E-07	5.23E-03	8.23E-07	2.87E-07
656	490586.72, 3860035.12	3.08E-03	4.85E-07	1.69E-07	3.32E-03	5.23E-07	1.82E-07	5.24E-03	8.25E-07	2.88E-07
657	490636.72, 3860035.12	3.09E-03	4.86E-07	1.69E-07	3.33E-03	5.25E-07	1.83E-07	5.25E-03	8.27E-07	2.88E-07
658	490686.72, 3860035.12	3.10E-03	4.89E-07	1.70E-07	3.35E-03	5.27E-07	1.84E-07	5.28E-03	8.31E-07	2.90E-07
659	490736.72, 3860035.12	3.13E-03	4.93E-07	1.72E-07	3.37E-03	5.31E-07	1.85E-07	5.32E-03	8.38E-07	2.92E-07
660	490786.72, 3860035.12	3.14E-03	4.95E-07	1.72E-07	3.39E-03	5.33E-07	1.86E-07	5.34E-03	8.41E-07	2.93E-07
661	490836.72, 3860035.12	3.15E-03	4.96E-07	1.73E-07	3.40E-03	5.35E-07	1.86E-07	5.36E-03	8.44E-07	2.94E-07
662	490086.72, 3860085.12	3.08E-03	4.85E-07	1.69E-07	3.32E-03	5.23E-07	1.82E-07	5.23E-03	8.24E-07	2.87E-07
663	490136.72, 3860085.12	3.05E-03	4.80E-07	1.67E-07	3.29E-03	5.18E-07	1.80E-07	5.18E-03	8.16E-07	2.84E-07
664	490186.72, 3860085.12	3.03E-03	4.78E-07	1.66E-07	3.27E-03	5.15E-07	1.80E-07	5.16E-03	8.13E-07	2.83E-07
665	490236.72, 3860085.12	3.02E-03	4.75E-07	1.66E-07	3.25E-03	5.12E-07	1.79E-07	5.13E-03	8.08E-07	2.82E-07
666	490286.72, 3860085.12	3.00E-03	4.73E-07	1.65E-07	3.24E-03	5.10E-07	1.78E-07	5.11E-03	8.05E-07	2.80E-07
667	490336.72, 3860085.12	2.99E-03	4.71E-07	1.64E-07	3.22E-03	5.08E-07	1.77E-07	5.09E-03	8.01E-07	2.79E-07
668	490386.72, 3860085.12	2.98E-03	4.69E-07	1.64E-07	3.21E-03	5.06E-07	1.76E-07	5.07E-03	7.98E-07	2.78E-07
669	490436.72, 3860085.12	2.97E-03	4.68E-07	1.63E-07	3.21E-03	5.05E-07	1.76E-07	5.06E-03	7.97E-07	2.78E-07
670	490486.72, 3860085.12	2.97E-03	4.67E-07	1.63E-07	3.20E-03	5.04E-07	1.76E-07	5.05E-03	7.95E-07	2.77E-07
671	490536.72, 3860085.12	2.97E-03	4.68E-07	1.63E-07	3.20E-03	5.04E-07	1.76E-07	5.05E-03	7.95E-07	2.77E-07
672	490586.72, 3860085.12	2.97E-03	4.68E-07	1.63E-07	3.21E-03	5.05E-07	1.76E-07	5.06E-03	7.96E-07	2.77E-07
673	490636.72, 3860085.12	2.98E-03	4.69E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.06E-03	7.97E-07	2.78E-07
674	490686.72, 3860085.12	2.99E-03	4.70E-07	1.64E-07	3.22E-03	5.07E-07	1.77E-07	5.08E-03	8.00E-07	2.79E-07
675	490736.72, 3860085.12	3.00E-03	4.72E-07	1.65E-07	3.23E-03	5.10E-07	1.78E-07	5.10E-03	8.04E-07	2.80E-07
676	490786.72, 3860085.12	3.01E-03	4.75E-07	1.65E-07	3.25E-03	5.12E-07	1.78E-07	5.13E-03	8.08E-07	2.81E-07
677	490836.72, 3860085.12	3.02E-03	4.76E-07	1.66E-07	3.26E-03	5.14E-07	1.79E-07	5.14E-03	8.10E-07	2.82E-07
678	490086.72, 3860135.12	2.99E-03	4.72E-07	1.64E-07	3.23E-03	5.09E-07	1.77E-07	5.09E-03	8.02E-07	2.79E-07
679	490136.72, 3860135.12	2.98E-03	4.69E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.06E-03	7.97E-07	2.78E-07
680	490186.72, 3860135.12	2.96E-03	4.66E-07	1.62E-07	3.19E-03	5.03E-07	1.75E-07	5.03E-03	7.93E-07	2.76E-07
681	490236.72, 3860135.12	2.94E-03	4.63E-07	1.61E-07	3.17E-03	5.00E-07	1.74E-07	5.00E-03	7.88E-07	2.75E-07
682	490286.72, 3860135.12	2.93E-03	4.61E-07	1.61E-07	3.15E-03	4.97E-07	1.73E-07	4.98E-03	7.84E-07	2.73E-07
683	490336.72, 3860135.12	2.91E-03	4.59E-07	1.60E-07	3.14E-03	4.95E-07	1.72E-07	4.95E-03	7.80E-07	2.72E-07
684	490386.72, 3860135.12	2.90E-03	4.57E-07	1.59E-07	3.13E-03	4.92E-07	1.72E-07	4.93E-03	7.77E-07	2.71E-07
685	490436.72, 3860135.12	2.89E-03	4.55E-07	1.58E-07	3.11E-03	4.90E-07	1.71E-07	4.91E-03	7.74E-07	2.70E-07
686	490486.72, 3860135.12	2.88E-03	4.54E-07	1.58E-07	3.11E-03	4.89E-07	1.70E-07	4.90E-03	7.72E-07	2.69E-07
687	490536.72, 3860135.12	2.88E-03	4.53E-07	1.58E-07	3.10E-03	4.89E-07	1.70E-07	4.89E-03	7.71E-07	2.69E-07
688	490586.72, 3860135.12	2.88E-03	4.53E-07	1.58E-07	3.10E-03	4.88E-07	1.70E-07	4.89E-03	7.71E-07	2.68E-07
689	490636.72, 3860135.12	2.88E-03	4.53E-07	1.58E-07	3.10E-03	4.89E-07	1.70E-07	4.89E-03	7.71E-07	2.69E-07
690	490686.72, 3860135.12	2.88E-03	4.53E-07	1.58E-07	3.10E-03	4.89E-07	1.70E-07	4.90E-03	7.71E-07	2.69E-07
691	490736.72, 3860135.12	2.89E-03	4.55E-07	1.58E-07	3.11E-03	4.90E-07	1.71E-07	4.91E-03	7.73E-07	2.69E-07
692	490786.72, 3860135.12	2.90E-03	4.56E-07	1.59E-07	3.12E-03	4.92E-07	1.71E-07	4.93E-03	7.77E-07	2.71E-07
693	490836.72, 3860135.12	2.90E-03	4.58E-07	1.59E-07	3.13E-03	4.94E-07	1.72E-07	4.94E-03	7.79E-07	2.71E-07
694	490086.72, 3860185.12	2.92E-03	4.61E-07	1.60E-07	3.15E-03	4.97E-07	1.73E-07	4.97E-03	7.83E-07	2.73E-07
695	490136.72, 3860185.12	2.91E-03	4.58E-07	1.60E-07	3.14E-03	4.94E-07	1.72E-07	4.95E-03	7.80E-07	2.72E-07
696	490186.72, 3860185.12	2.89E-03	4.56E-07	1.59E-07	3.12E-03	4.91E-07	1.71E-07	4.92E-03	7.75E-07	2.70E-07
697	490236.72, 3860185.12	2.87E-03	4.53E-07	1.58E-07	3.10E-03	4.88E-07	1.70E-07	4.89E-03	7.70E-07	2.68E-07
698	490286.72, 3860185.12	2.86E-03	4.50E-07	1.57E-07	3.08E-03	4.85E-07	1.69E-07	4.86E-03	7.65E-07	2.67E-07
699	490336.72, 3860185.12	2.84E-03	4.47E-07	1.56E-07	3.06E-03	4.82E-07	1.68E-07	4.83E-03	7.61E-07	2.65E-07
700	490386.72, 3860185.12	2.82E-03	4.45E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.81E-03	7.57E-07	2.64E-07

701	490436.72, 3860185.12	2.81E-03	4.43E-07	1.54E-07	3.03E-03	4.78E-07	1.66E-07	4.78E-03	7.54E-07	2.63E-07
702	490486.72, 3860185.12	2.80E-03	4.41E-07	1.54E-07	3.02E-03	4.76E-07	1.66E-07	4.77E-03	7.51E-07	2.62E-07
703	490536.72, 3860185.12	2.79E-03	4.40E-07	1.53E-07	3.01E-03	4.75E-07	1.65E-07	4.75E-03	7.49E-07	2.61E-07
704	490586.72, 3860185.12	2.79E-03	4.40E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.75E-03	7.48E-07	2.61E-07
705	490636.72, 3860185.12	2.79E-03	4.39E-07	1.53E-07	3.00E-03	4.73E-07	1.65E-07	4.74E-03	7.47E-07	2.60E-07
706	490686.72, 3860185.12	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.73E-07	1.65E-07	4.74E-03	7.47E-07	2.60E-07
707	490736.72, 3860185.12	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.73E-07	1.65E-07	4.74E-03	7.47E-07	2.60E-07
708	490786.72, 3860185.12	2.79E-03	4.40E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.75E-03	7.49E-07	2.61E-07
709	490836.72, 3860185.12	2.80E-03	4.41E-07	1.54E-07	3.02E-03	4.75E-07	1.66E-07	4.76E-03	7.50E-07	2.61E-07
710	490086.72, 3860235.12	2.86E-03	4.51E-07	1.57E-07	3.08E-03	4.86E-07	1.69E-07	4.87E-03	7.67E-07	2.67E-07
711	490136.72, 3860235.12	2.84E-03	4.48E-07	1.56E-07	3.07E-03	4.83E-07	1.68E-07	4.84E-03	7.62E-07	2.66E-07
712	490186.72, 3860235.12	2.83E-03	4.45E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.81E-03	7.58E-07	2.64E-07
713	490236.72, 3860235.12	2.81E-03	4.43E-07	1.54E-07	3.03E-03	4.77E-07	1.66E-07	4.78E-03	7.53E-07	2.62E-07
714	490286.72, 3860235.12	2.79E-03	4.40E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.75E-03	7.48E-07	2.61E-07
715	490336.72, 3860235.12	2.77E-03	4.37E-07	1.52E-07	2.99E-03	4.71E-07	1.64E-07	4.72E-03	7.44E-07	2.59E-07
716	490386.72, 3860235.12	2.76E-03	4.34E-07	1.51E-07	2.97E-03	4.69E-07	1.63E-07	4.69E-03	7.39E-07	2.58E-07
717	490436.72, 3860235.12	2.74E-03	4.32E-07	1.51E-07	2.96E-03	4.66E-07	1.62E-07	4.67E-03	7.36E-07	2.56E-07
718	490486.72, 3860235.12	2.73E-03	4.30E-07	1.50E-07	2.94E-03	4.64E-07	1.62E-07	4.65E-03	7.32E-07	2.55E-07
719	490536.72, 3860235.12	2.72E-03	4.29E-07	1.49E-07	2.93E-03	4.62E-07	1.61E-07	4.63E-03	7.29E-07	2.54E-07
720	490586.72, 3860235.12	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.62E-03	7.28E-07	2.53E-07
721	490636.72, 3860235.12	2.71E-03	4.26E-07	1.49E-07	2.92E-03	4.60E-07	1.60E-07	4.61E-03	7.26E-07	2.53E-07
722	490686.72, 3860235.12	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.59E-07	1.60E-07	4.60E-03	7.25E-07	2.53E-07
723	490736.72, 3860235.12	2.70E-03	4.26E-07	1.48E-07	2.91E-03	4.59E-07	1.60E-07	4.60E-03	7.25E-07	2.52E-07
724	490786.72, 3860235.12	2.70E-03	4.26E-07	1.48E-07	2.91E-03	4.59E-07	1.60E-07	4.60E-03	7.25E-07	2.52E-07
725	490086.72, 3860285.12	2.80E-03	4.41E-07	1.54E-07	3.02E-03	4.75E-07	1.66E-07	4.76E-03	7.50E-07	2.61E-07
726	490136.72, 3860285.12	2.78E-03	4.39E-07	1.53E-07	3.00E-03	4.73E-07	1.65E-07	4.74E-03	7.46E-07	2.60E-07
727	490186.72, 3860285.12	2.77E-03	4.36E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.71E-03	7.42E-07	2.58E-07
728	490236.72, 3860285.12	2.75E-03	4.33E-07	1.51E-07	2.97E-03	4.67E-07	1.63E-07	4.68E-03	7.38E-07	2.57E-07
729	490286.72, 3860285.12	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.64E-07	1.62E-07	4.65E-03	7.32E-07	2.55E-07
730	490336.72, 3860285.12	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.62E-03	7.28E-07	2.53E-07
731	490386.72, 3860285.12	2.70E-03	4.25E-07	1.48E-07	2.91E-03	4.58E-07	1.60E-07	4.59E-03	7.23E-07	2.52E-07
732	490436.72, 3860285.12	2.68E-03	4.22E-07	1.47E-07	2.89E-03	4.56E-07	1.59E-07	4.57E-03	7.19E-07	2.51E-07
733	490486.72, 3860285.12	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.54E-03	7.15E-07	2.49E-07
734	490536.72, 3860285.12	2.65E-03	4.18E-07	1.46E-07	2.86E-03	4.51E-07	1.57E-07	4.52E-03	7.12E-07	2.48E-07
735	490586.72, 3860285.12	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.50E-03	7.09E-07	2.47E-07
736	490636.72, 3860285.12	2.63E-03	4.15E-07	1.45E-07	2.84E-03	4.48E-07	1.56E-07	4.49E-03	7.07E-07	2.46E-07
737	490686.72, 3860285.12	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.48E-03	7.05E-07	2.46E-07
738	490736.72, 3860285.12	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.47E-03	7.04E-07	2.45E-07
739	490786.72, 3860285.12	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.47E-03	7.04E-07	2.45E-07
740	490086.72, 3860335.12	2.74E-03	4.31E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.66E-03	7.34E-07	2.56E-07
741	490136.72, 3860335.12	2.72E-03	4.29E-07	1.50E-07	2.94E-03	4.63E-07	1.61E-07	4.64E-03	7.31E-07	2.55E-07
742	490186.72, 3860335.12	2.71E-03	4.27E-07	1.49E-07	2.92E-03	4.60E-07	1.60E-07	4.61E-03	7.27E-07	2.53E-07
743	490236.72, 3860335.12	2.69E-03	4.24E-07	1.48E-07	2.91E-03	4.58E-07	1.59E-07	4.59E-03	7.23E-07	2.52E-07
744	490286.72, 3860335.12	2.68E-03	4.22E-07	1.47E-07	2.89E-03	4.55E-07	1.58E-07	4.56E-03	7.18E-07	2.50E-07
745	490336.72, 3860335.12	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.51E-07	1.57E-07	4.52E-03	7.13E-07	2.48E-07
746	490386.72, 3860335.12	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.50E-03	7.08E-07	2.47E-07
747	490436.72, 3860335.12	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.47E-03	7.04E-07	2.45E-07
748	490486.72, 3860335.12	2.61E-03	4.11E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.44E-03	7.00E-07	2.44E-07
749	490536.72, 3860335.12	2.59E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.42E-03	6.96E-07	2.43E-07
750	490586.72, 3860335.12	2.58E-03	4.07E-07	1.42E-07	2.78E-03	4.39E-07	1.53E-07	4.40E-03	6.92E-07	2.41E-07
751	490636.72, 3860335.12	2.57E-03	4.05E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.38E-03	6.90E-07	2.40E-07
752	490686.72, 3860335.12	2.56E-03	4.04E-07	1.41E-07	2.76E-03	4.35E-07	1.52E-07	4.36E-03	6.87E-07	2.39E-07
753	490736.72, 3860335.12	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.34E-07	1.51E-07	4.35E-03	6.86E-07	2.39E-07
754	490786.72, 3860335.12	2.55E-03	4.02E-07	1.40E-07	2.75E-03	4.34E-07	1.51E-07	4.35E-03	6.85E-07	2.39E-07
755	490086.72, 3860385.12	2.68E-03	4.22E-07	1.47E-07	2.89E-03	4.55E-07	1.58E-07	4.56E-03	7.18E-07	2.50E-07
756	490136.72, 3860385.12	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.54E-03	7.15E-07	2.49E-07
757	490186.72, 3860385.12	2.65E-03	4.18E-07	1.46E-07	2.86E-03	4.51E-07	1.57E-07	4.52E-03	7.11E-07	2.48E-07
758	490236.72, 3860385.12	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.48E-07	1.56E-07	4.49E-03	7.08E-07	2.47E-07
759	490286.72, 3860385.12	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.45E-07	1.55E-07	4.46E-03	7.03E-07	2.45E-07
760	490336.72, 3860385.12	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.44E-03	6.99E-07	2.43E-07
761	490386.72, 3860385.12	2.59E-03	4.08E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.41E-03	6.94E-07	2.42E-07
762	490436.72, 3860385.12	2.57E-03	4.05E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.38E-03	6.90E-07	2.40E-07
763	490486.72, 3860385.12	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.34E-07	1.51E-07	4.35E-03	6.85E-07	2.39E-07
764	490536.72, 3860385.12	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.50E-07	4.33E-03	6.82E-07	2.37E-07

765	490586.72, 3860385.12	2.53E-03	3.98E-07	1.39E-07	2.72E-03	4.29E-07	1.50E-07	4.30E-03	6.78E-07	2.36E-07
766	490636.72, 3860385.12	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.28E-03	6.74E-07	2.35E-07
767	490686.72, 3860385.12	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.26E-03	6.72E-07	2.34E-07
768	490736.72, 3860385.12	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.25E-03	6.69E-07	2.33E-07
769	490786.72, 3860385.12	2.49E-03	3.92E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.23E-03	6.67E-07	2.32E-07
770	490136.72, 3860435.12	2.61E-03	4.11E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.44E-03	7.00E-07	2.44E-07
771	490186.72, 3860435.12	2.60E-03	4.09E-07	1.43E-07	2.80E-03	4.41E-07	1.54E-07	4.42E-03	6.97E-07	2.43E-07
772	490236.72, 3860435.12	2.58E-03	4.07E-07	1.42E-07	2.79E-03	4.39E-07	1.53E-07	4.40E-03	6.93E-07	2.42E-07
773	490286.72, 3860435.12	2.57E-03	4.05E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.38E-03	6.89E-07	2.40E-07
774	490336.72, 3860435.12	2.55E-03	4.02E-07	1.40E-07	2.75E-03	4.34E-07	1.51E-07	4.35E-03	6.85E-07	2.39E-07
775	490386.72, 3860435.12	2.54E-03	3.99E-07	1.39E-07	2.74E-03	4.31E-07	1.50E-07	4.32E-03	6.80E-07	2.37E-07
776	490436.72, 3860435.12	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.29E-03	6.76E-07	2.36E-07
777	490486.72, 3860435.12	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.26E-03	6.72E-07	2.34E-07
778	490536.72, 3860435.12	2.49E-03	3.92E-07	1.37E-07	2.68E-03	4.23E-07	1.47E-07	4.24E-03	6.68E-07	2.33E-07
779	490586.72, 3860435.12	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.21E-03	6.64E-07	2.31E-07
780	490636.72, 3860435.12	2.46E-03	3.87E-07	1.35E-07	2.65E-03	4.18E-07	1.46E-07	4.19E-03	6.60E-07	2.30E-07
781	490686.72, 3860435.12	2.45E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.17E-03	6.57E-07	2.29E-07
782	490736.72, 3860435.12	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.14E-07	1.44E-07	4.15E-03	6.54E-07	2.28E-07
783	490786.72, 3860435.12	2.43E-03	3.82E-07	1.33E-07	2.62E-03	4.12E-07	1.44E-07	4.14E-03	6.52E-07	2.27E-07
784	490136.72, 3860485.12	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.34E-07	1.51E-07	4.35E-03	6.85E-07	2.39E-07
785	490186.72, 3860485.12	2.54E-03	4.01E-07	1.40E-07	2.74E-03	4.32E-07	1.51E-07	4.33E-03	6.83E-07	2.38E-07
786	490236.72, 3860485.12	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.31E-03	6.79E-07	2.37E-07
787	490286.72, 3860485.12	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.29E-03	6.76E-07	2.35E-07
788	490336.72, 3860485.12	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.26E-03	6.72E-07	2.34E-07
789	490386.72, 3860485.12	2.49E-03	3.92E-07	1.37E-07	2.68E-03	4.23E-07	1.47E-07	4.24E-03	6.68E-07	2.33E-07
790	490436.72, 3860485.12	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.21E-03	6.64E-07	2.31E-07
791	490486.72, 3860485.12	2.46E-03	3.87E-07	1.35E-07	2.65E-03	4.17E-07	1.45E-07	4.19E-03	6.59E-07	2.30E-07
792	490536.72, 3860485.12	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.15E-07	1.44E-07	4.16E-03	6.55E-07	2.28E-07
793	490586.72, 3860485.12	2.42E-03	3.82E-07	1.33E-07	2.61E-03	4.12E-07	1.43E-07	4.13E-03	6.51E-07	2.27E-07
794	490636.72, 3860485.12	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.09E-07	1.43E-07	4.11E-03	6.47E-07	2.25E-07
795	490686.72, 3860485.12	2.40E-03	3.77E-07	1.31E-07	2.58E-03	4.07E-07	1.42E-07	4.08E-03	6.43E-07	2.24E-07
796	490736.72, 3860485.12	2.38E-03	3.76E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.06E-03	6.40E-07	2.23E-07
797	490786.72, 3860485.12	2.37E-03	3.74E-07	1.30E-07	2.56E-03	4.03E-07	1.41E-07	4.04E-03	6.37E-07	2.22E-07
798	490136.72, 3860535.12	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.26E-03	6.71E-07	2.34E-07
799	490186.72, 3860535.12	2.50E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.25E-03	6.70E-07	2.33E-07
800	490236.72, 3860535.12	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.21E-07	1.47E-07	4.23E-03	6.66E-07	2.32E-07
801	490286.72, 3860535.12	2.47E-03	3.89E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.20E-03	6.62E-07	2.31E-07
802	490336.72, 3860535.12	2.45E-03	3.87E-07	1.35E-07	2.65E-03	4.17E-07	1.45E-07	4.18E-03	6.59E-07	2.30E-07
803	490386.72, 3860535.12	2.44E-03	3.85E-07	1.34E-07	2.63E-03	4.15E-07	1.45E-07	4.16E-03	6.56E-07	2.28E-07
804	490436.72, 3860535.12	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.14E-03	6.52E-07	2.27E-07
805	490486.72, 3860535.12	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.11E-03	6.48E-07	2.26E-07
806	490536.72, 3860535.12	2.40E-03	3.79E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.10E-03	6.45E-07	2.25E-07
807	490586.72, 3860535.12	2.38E-03	3.75E-07	1.31E-07	2.57E-03	4.04E-07	1.41E-07	4.06E-03	6.39E-07	2.23E-07
808	490636.72, 3860535.12	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.03E-03	6.35E-07	2.21E-07
809	490686.72, 3860535.12	2.35E-03	3.70E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.00E-03	6.31E-07	2.20E-07
810	490736.72, 3860535.12	2.34E-03	3.68E-07	1.28E-07	2.52E-03	3.97E-07	1.38E-07	3.98E-03	6.27E-07	2.18E-07
811	490786.72, 3860535.12	2.32E-03	3.66E-07	1.28E-07	2.51E-03	3.95E-07	1.38E-07	3.96E-03	6.24E-07	2.17E-07
812	490136.72, 3860585.12	2.45E-03	3.86E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.17E-03	6.58E-07	2.29E-07
813	490186.72, 3860585.12	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.14E-03	6.53E-07	2.27E-07
814	490236.72, 3860585.12	2.43E-03	3.82E-07	1.33E-07	2.62E-03	4.12E-07	1.44E-07	4.13E-03	6.51E-07	2.27E-07
815	490286.72, 3860585.12	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.11E-07	1.43E-07	4.12E-03	6.49E-07	2.26E-07
816	490336.72, 3860585.12	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.43E-07	4.10E-03	6.46E-07	2.25E-07
817	490386.72, 3860585.12	2.39E-03	3.77E-07	1.31E-07	2.58E-03	4.07E-07	1.42E-07	4.08E-03	6.43E-07	2.24E-07
818	490436.72, 3860585.12	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.41E-07	4.07E-03	6.41E-07	2.23E-07
819	490486.72, 3860585.12	2.38E-03	3.75E-07	1.30E-07	2.56E-03	4.04E-07	1.41E-07	4.05E-03	6.39E-07	2.22E-07
820	490536.72, 3860585.12	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.01E-07	1.40E-07	4.02E-03	6.34E-07	2.21E-07
821	490586.72, 3860585.12	2.34E-03	3.68E-07	1.28E-07	2.52E-03	3.97E-07	1.38E-07	3.98E-03	6.27E-07	2.18E-07
822	490636.72, 3860585.12	2.32E-03	3.66E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.96E-03	6.23E-07	2.17E-07
823	490686.72, 3860585.12	2.31E-03	3.63E-07	1.27E-07	2.49E-03	3.92E-07	1.37E-07	3.93E-03	6.19E-07	2.16E-07
824	490736.72, 3860585.12	2.29E-03	3.61E-07	1.26E-07	2.47E-03	3.89E-07	1.36E-07	3.91E-03	6.15E-07	2.14E-07
825	490786.72, 3860585.12	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.88E-03	6.12E-07	2.13E-07
826	490136.72, 3860635.12	2.40E-03	3.79E-07	1.32E-07	2.59E-03	4.09E-07	1.42E-07	4.10E-03	6.45E-07	2.25E-07
827	490186.72, 3860635.12	2.39E-03	3.77E-07	1.31E-07	2.58E-03	4.06E-07	1.42E-07	4.07E-03	6.42E-07	2.24E-07
828	490236.72, 3860635.12	2.38E-03	3.75E-07	1.30E-07	2.56E-03	4.04E-07	1.41E-07	4.05E-03	6.38E-07	2.22E-07

829	490286.72, 3860635.12	2.37E-03	3.73E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.04E-03	6.36E-07	2.21E-07
830	490336.72, 3860635.12	2.36E-03	3.72E-07	1.29E-07	2.55E-03	4.01E-07	1.40E-07	4.02E-03	6.33E-07	2.21E-07
831	490386.72, 3860635.12	2.35E-03	3.70E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.00E-03	6.31E-07	2.20E-07
832	490436.72, 3860635.12	2.34E-03	3.68E-07	1.28E-07	2.52E-03	3.97E-07	1.38E-07	3.98E-03	6.27E-07	2.19E-07
833	490486.72, 3860635.12	2.32E-03	3.66E-07	1.28E-07	2.51E-03	3.95E-07	1.38E-07	3.96E-03	6.24E-07	2.17E-07
834	490536.72, 3860635.12	2.31E-03	3.64E-07	1.27E-07	2.50E-03	3.93E-07	1.37E-07	3.94E-03	6.21E-07	2.16E-07
835	490586.72, 3860635.12	2.30E-03	3.62E-07	1.26E-07	2.48E-03	3.90E-07	1.36E-07	3.91E-03	6.16E-07	2.15E-07
836	490636.72, 3860635.12	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.88E-07	1.35E-07	3.89E-03	6.13E-07	2.13E-07
837	490686.72, 3860635.12	2.27E-03	3.57E-07	1.24E-07	2.44E-03	3.85E-07	1.34E-07	3.86E-03	6.09E-07	2.12E-07
838	490736.72, 3860635.12	2.25E-03	3.54E-07	1.23E-07	2.43E-03	3.82E-07	1.33E-07	3.84E-03	6.04E-07	2.10E-07
839	490786.72, 3860635.12	2.24E-03	3.52E-07	1.23E-07	2.41E-03	3.80E-07	1.32E-07	3.81E-03	6.01E-07	2.09E-07
840	490136.72, 3860685.12	2.35E-03	3.70E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.00E-03	6.30E-07	2.19E-07
841	490186.72, 3860685.12	2.35E-03	3.71E-07	1.29E-07	2.54E-03	4.00E-07	1.39E-07	4.01E-03	6.31E-07	2.20E-07
842	490236.72, 3860685.12	2.34E-03	3.68E-07	1.28E-07	2.52E-03	3.97E-07	1.38E-07	3.98E-03	6.27E-07	2.19E-07
843	490286.72, 3860685.12	2.32E-03	3.65E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.95E-03	6.22E-07	2.17E-07
844	490336.72, 3860685.12	2.31E-03	3.64E-07	1.27E-07	2.50E-03	3.93E-07	1.37E-07	3.94E-03	6.21E-07	2.16E-07
845	490386.72, 3860685.12	2.30E-03	3.63E-07	1.26E-07	2.49E-03	3.92E-07	1.36E-07	3.93E-03	6.19E-07	2.16E-07
846	490436.72, 3860685.12	2.29E-03	3.61E-07	1.26E-07	2.47E-03	3.89E-07	1.36E-07	3.91E-03	6.15E-07	2.14E-07
847	490486.72, 3860685.12	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.88E-03	6.12E-07	2.13E-07
848	490536.72, 3860685.12	2.27E-03	3.57E-07	1.24E-07	2.45E-03	3.85E-07	1.34E-07	3.86E-03	6.09E-07	2.12E-07
849	490586.72, 3860685.12	2.25E-03	3.55E-07	1.24E-07	2.43E-03	3.83E-07	1.33E-07	3.84E-03	6.05E-07	2.11E-07
850	490636.72, 3860685.12	2.24E-03	3.53E-07	1.23E-07	2.42E-03	3.81E-07	1.33E-07	3.82E-03	6.02E-07	2.10E-07
851	490686.72, 3860685.12	2.23E-03	3.51E-07	1.22E-07	2.40E-03	3.79E-07	1.32E-07	3.80E-03	5.99E-07	2.09E-07
852	490736.72, 3860685.12	2.21E-03	3.49E-07	1.21E-07	2.39E-03	3.76E-07	1.31E-07	3.77E-03	5.94E-07	2.07E-07
853	490786.72, 3860685.12	2.20E-03	3.47E-07	1.21E-07	2.38E-03	3.74E-07	1.30E-07	3.75E-03	5.91E-07	2.06E-07
854	490136.72, 3860735.12	2.28E-03	3.60E-07	1.25E-07	2.46E-03	3.88E-07	1.35E-07	3.89E-03	6.12E-07	2.13E-07
855	490186.72, 3860735.12	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.88E-03	6.11E-07	2.13E-07
856	490236.72, 3860735.12	2.27E-03	3.58E-07	1.25E-07	2.45E-03	3.86E-07	1.35E-07	3.87E-03	6.10E-07	2.13E-07
857	490286.72, 3860735.12	2.27E-03	3.58E-07	1.25E-07	2.45E-03	3.86E-07	1.34E-07	3.87E-03	6.09E-07	2.12E-07
858	490336.72, 3860735.12	2.26E-03	3.57E-07	1.24E-07	2.44E-03	3.85E-07	1.34E-07	3.86E-03	6.08E-07	2.12E-07
859	490386.72, 3860735.12	2.26E-03	3.56E-07	1.24E-07	2.44E-03	3.84E-07	1.34E-07	3.85E-03	6.06E-07	2.11E-07
860	490436.72, 3860735.12	2.26E-03	3.55E-07	1.24E-07	2.43E-03	3.83E-07	1.34E-07	3.84E-03	6.06E-07	2.11E-07
861	490486.72, 3860735.12	2.24E-03	3.53E-07	1.23E-07	2.42E-03	3.81E-07	1.33E-07	3.82E-03	6.02E-07	2.10E-07
862	490536.72, 3860735.12	2.22E-03	3.50E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.79E-03	5.97E-07	2.08E-07
863	490586.72, 3860735.12	2.21E-03	3.48E-07	1.21E-07	2.39E-03	3.76E-07	1.31E-07	3.77E-03	5.94E-07	2.07E-07
864	490636.72, 3860735.12	2.20E-03	3.46E-07	1.21E-07	2.37E-03	3.74E-07	1.30E-07	3.75E-03	5.91E-07	2.06E-07
865	490686.72, 3860735.12	2.19E-03	3.45E-07	1.20E-07	2.36E-03	3.72E-07	1.30E-07	3.73E-03	5.88E-07	2.05E-07
866	490736.72, 3860735.12	2.18E-03	3.43E-07	1.20E-07	2.35E-03	3.70E-07	1.29E-07	3.71E-03	5.85E-07	2.04E-07
867	490136.72, 3860785.12	2.22E-03	3.50E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.78E-03	5.96E-07	2.08E-07
868	490186.72, 3860785.12	2.22E-03	3.50E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.79E-03	5.96E-07	2.08E-07
869	490236.72, 3860785.12	2.22E-03	3.50E-07	1.22E-07	2.39E-03	3.77E-07	1.31E-07	3.78E-03	5.96E-07	2.08E-07
870	490286.72, 3860785.12	2.22E-03	3.49E-07	1.22E-07	2.39E-03	3.77E-07	1.31E-07	3.78E-03	5.95E-07	2.07E-07
871	490336.72, 3860785.12	2.21E-03	3.49E-07	1.21E-07	2.39E-03	3.76E-07	1.31E-07	3.77E-03	5.94E-07	2.07E-07
872	490386.72, 3860785.12	2.21E-03	3.48E-07	1.21E-07	2.39E-03	3.76E-07	1.31E-07	3.77E-03	5.94E-07	2.07E-07
873	490436.72, 3860785.12	2.20E-03	3.47E-07	1.21E-07	2.38E-03	3.75E-07	1.30E-07	3.76E-03	5.92E-07	2.06E-07
874	490486.72, 3860785.12	2.20E-03	3.46E-07	1.21E-07	2.37E-03	3.74E-07	1.30E-07	3.75E-03	5.91E-07	2.06E-07
875	490536.72, 3860785.12	2.19E-03	3.45E-07	1.20E-07	2.36E-03	3.72E-07	1.29E-07	3.73E-03	5.87E-07	2.05E-07
876	490586.72, 3860785.12	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.69E-07	1.28E-07	3.70E-03	5.83E-07	2.03E-07
877	490636.72, 3860785.12	2.16E-03	3.40E-07	1.18E-07	2.33E-03	3.67E-07	1.28E-07	3.68E-03	5.80E-07	2.02E-07
878	490686.72, 3860785.12	2.15E-03	3.38E-07	1.18E-07	2.32E-03	3.65E-07	1.27E-07	3.66E-03	5.77E-07	2.01E-07
879	490736.72, 3860785.12	2.14E-03	3.37E-07	1.17E-07	2.31E-03	3.63E-07	1.27E-07	3.65E-03	5.74E-07	2.00E-07
880	490086.72, 3860835.12	2.17E-03	3.41E-07	1.19E-07	2.34E-03	3.68E-07	1.28E-07	3.69E-03	5.81E-07	2.02E-07
881	490136.72, 3860835.12	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.69E-07	1.28E-07	3.70E-03	5.82E-07	2.03E-07
882	490186.72, 3860835.12	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.69E-07	1.28E-07	3.70E-03	5.82E-07	2.03E-07
883	490236.72, 3860835.12	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.68E-07	1.28E-07	3.69E-03	5.82E-07	2.03E-07
884	490286.72, 3860835.12	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.68E-07	1.28E-07	3.69E-03	5.82E-07	2.03E-07
885	490336.72, 3860835.12	2.16E-03	3.41E-07	1.19E-07	2.33E-03	3.68E-07	1.28E-07	3.69E-03	5.81E-07	2.02E-07
886	490386.72, 3860835.12	2.16E-03	3.40E-07	1.19E-07	2.33E-03	3.67E-07	1.28E-07	3.68E-03	5.80E-07	2.02E-07
887	490436.72, 3860835.12	2.16E-03	3.40E-07	1.18E-07	2.33E-03	3.67E-07	1.28E-07	3.68E-03	5.79E-07	2.02E-07
888	490486.72, 3860835.12	2.15E-03	3.39E-07	1.18E-07	2.32E-03	3.66E-07	1.27E-07	3.67E-03	5.78E-07	2.01E-07
889	490536.72, 3860835.12	2.14E-03	3.38E-07	1.18E-07	2.31E-03	3.64E-07	1.27E-07	3.66E-03	5.76E-07	2.01E-07
890	490586.72, 3860835.12	2.13E-03	3.36E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.64E-03	5.73E-07	2.00E-07
891	490636.72, 3860835.12	2.12E-03	3.34E-07	1.16E-07	2.29E-03	3.60E-07	1.26E-07	3.62E-03	5.70E-07	1.98E-07
892	490686.72, 3860835.12	2.11E-03	3.32E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.60E-03	5.67E-07	1.97E-07

893	490736.72, 3860835.12	2.10E-03	3.31E-07	1.15E-07	2.27E-03	3.57E-07	1.24E-07	3.58E-03	5.64E-07	1.97E-07
894	490086.72, 3860885.12	2.12E-03	3.33E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.60E-03	5.67E-07	1.98E-07
895	490136.72, 3860885.12	2.12E-03	3.34E-07	1.16E-07	2.28E-03	3.60E-07	1.25E-07	3.61E-03	5.68E-07	1.98E-07
896	490186.72, 3860885.12	2.12E-03	3.34E-07	1.16E-07	2.29E-03	3.60E-07	1.25E-07	3.61E-03	5.69E-07	1.98E-07
897	490236.72, 3860885.12	2.12E-03	3.34E-07	1.16E-07	2.29E-03	3.60E-07	1.25E-07	3.61E-03	5.69E-07	1.98E-07
898	490286.72, 3860885.12	2.12E-03	3.34E-07	1.16E-07	2.29E-03	3.60E-07	1.25E-07	3.61E-03	5.69E-07	1.98E-07
899	490336.72, 3860885.12	2.12E-03	3.33E-07	1.16E-07	2.28E-03	3.60E-07	1.25E-07	3.61E-03	5.68E-07	1.98E-07
900	490386.72, 3860885.12	2.11E-03	3.33E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.60E-03	5.68E-07	1.98E-07
901	490436.72, 3860885.12	2.11E-03	3.33E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.60E-03	5.68E-07	1.98E-07
902	490486.72, 3860885.12	2.11E-03	3.32E-07	1.16E-07	2.27E-03	3.58E-07	1.25E-07	3.60E-03	5.66E-07	1.97E-07
903	490536.72, 3860885.12	2.10E-03	3.31E-07	1.15E-07	2.27E-03	3.57E-07	1.24E-07	3.58E-03	5.65E-07	1.97E-07
904	490586.72, 3860885.12	2.09E-03	3.30E-07	1.15E-07	2.26E-03	3.56E-07	1.24E-07	3.57E-03	5.62E-07	1.96E-07
905	490636.72, 3860885.12	2.08E-03	3.28E-07	1.14E-07	2.25E-03	3.54E-07	1.23E-07	3.55E-03	5.60E-07	1.95E-07
906	490686.72, 3860885.12	2.07E-03	3.26E-07	1.14E-07	2.24E-03	3.52E-07	1.23E-07	3.53E-03	5.57E-07	1.94E-07
907	490736.72, 3860885.12	2.06E-03	3.25E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.52E-03	5.54E-07	1.93E-07
908	490086.72, 3860935.12	2.06E-03	3.25E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.51E-03	5.53E-07	1.93E-07
909	490136.72, 3860935.12	2.06E-03	3.25E-07	1.13E-07	2.23E-03	3.51E-07	1.22E-07	3.51E-03	5.54E-07	1.93E-07
910	490186.72, 3860935.12	2.07E-03	3.26E-07	1.13E-07	2.23E-03	3.51E-07	1.22E-07	3.52E-03	5.55E-07	1.93E-07
911	490236.72, 3860935.12	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.53E-03	5.55E-07	1.94E-07
912	490286.72, 3860935.12	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.53E-03	5.56E-07	1.94E-07
913	490336.72, 3860935.12	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.53E-03	5.56E-07	1.94E-07
914	490386.72, 3860935.12	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.53E-03	5.56E-07	1.94E-07
915	490436.72, 3860935.12	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.53E-03	5.56E-07	1.94E-07
916	490486.72, 3860935.12	2.07E-03	3.25E-07	1.13E-07	2.23E-03	3.51E-07	1.22E-07	3.52E-03	5.55E-07	1.93E-07
917	490536.72, 3860935.12	2.06E-03	3.25E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.51E-03	5.54E-07	1.93E-07
918	490586.72, 3860935.12	2.05E-03	3.24E-07	1.13E-07	2.22E-03	3.49E-07	1.22E-07	3.50E-03	5.52E-07	1.92E-07
919	490636.72, 3860935.12	2.04E-03	3.22E-07	1.12E-07	2.21E-03	3.48E-07	1.21E-07	3.49E-03	5.49E-07	1.91E-07
920	490686.72, 3860935.12	2.04E-03	3.21E-07	1.12E-07	2.20E-03	3.46E-07	1.21E-07	3.47E-03	5.47E-07	1.91E-07
921	490736.72, 3860935.12	2.03E-03	3.19E-07	1.11E-07	2.19E-03	3.44E-07	1.20E-07	3.46E-03	5.44E-07	1.90E-07
922	490786.72, 3860935.12	2.02E-03	3.18E-07	1.11E-07	2.17E-03	3.43E-07	1.19E-07	3.44E-03	5.42E-07	1.89E-07
923	490836.72, 3860935.12	2.01E-03	3.16E-07	1.10E-07	2.17E-03	3.41E-07	1.19E-07	3.43E-03	5.40E-07	1.88E-07
924	490086.72, 3860985.12	2.01E-03	3.17E-07	1.11E-07	2.17E-03	3.42E-07	1.19E-07	3.43E-03	5.40E-07	1.88E-07
925	490136.72, 3860985.12	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.19E-07	3.43E-03	5.41E-07	1.88E-07
926	490186.72, 3860985.12	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.20E-07	3.44E-03	5.42E-07	1.89E-07
927	490236.72, 3860985.12	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.44E-03	5.43E-07	1.89E-07
928	490286.72, 3860985.12	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.45E-03	5.43E-07	1.89E-07
929	490336.72, 3860985.12	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.45E-03	5.43E-07	1.89E-07
930	490386.72, 3860985.12	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.45E-03	5.44E-07	1.89E-07
931	490436.72, 3860985.12	2.03E-03	3.19E-07	1.11E-07	2.19E-03	3.44E-07	1.20E-07	3.45E-03	5.44E-07	1.90E-07
932	490486.72, 3860985.12	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.45E-03	5.44E-07	1.89E-07
933	490536.72, 3860985.12	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.20E-07	3.44E-03	5.42E-07	1.89E-07
934	490586.72, 3860985.12	2.01E-03	3.17E-07	1.11E-07	2.17E-03	3.42E-07	1.19E-07	3.43E-03	5.41E-07	1.88E-07
935	490636.72, 3860985.12	2.01E-03	3.16E-07	1.10E-07	2.17E-03	3.41E-07	1.19E-07	3.43E-03	5.40E-07	1.88E-07
936	490686.72, 3860985.12	2.00E-03	3.15E-07	1.10E-07	2.16E-03	3.40E-07	1.18E-07	3.41E-03	5.37E-07	1.87E-07
937	490736.72, 3860985.12	1.99E-03	3.14E-07	1.09E-07	2.15E-03	3.38E-07	1.18E-07	3.40E-03	5.35E-07	1.86E-07
938	490786.72, 3860985.12	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.38E-03	5.33E-07	1.86E-07
939	490836.72, 3860985.12	1.97E-03	3.11E-07	1.08E-07	2.13E-03	3.35E-07	1.17E-07	3.37E-03	5.30E-07	1.85E-07
940	490086.72, 3861035.12	1.97E-03	3.10E-07	1.08E-07	2.12E-03	3.34E-07	1.16E-07	3.35E-03	5.27E-07	1.84E-07
941	490136.72, 3861035.12	1.97E-03	3.10E-07	1.08E-07	2.12E-03	3.35E-07	1.17E-07	3.35E-03	5.28E-07	1.84E-07
942	490186.72, 3861035.12	1.97E-03	3.11E-07	1.08E-07	2.13E-03	3.35E-07	1.17E-07	3.36E-03	5.29E-07	1.84E-07
943	490236.72, 3861035.12	1.98E-03	3.11E-07	1.08E-07	2.13E-03	3.36E-07	1.17E-07	3.37E-03	5.30E-07	1.85E-07
944	490286.72, 3861035.12	1.98E-03	3.11E-07	1.09E-07	2.13E-03	3.36E-07	1.17E-07	3.37E-03	5.31E-07	1.85E-07
945	490336.72, 3861035.12	1.98E-03	3.12E-07	1.09E-07	2.13E-03	3.36E-07	1.17E-07	3.37E-03	5.31E-07	1.85E-07
946	490386.72, 3861035.12	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.38E-03	5.32E-07	1.85E-07
947	490436.72, 3861035.12	1.98E-03	3.13E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.38E-03	5.33E-07	1.86E-07
948	490486.72, 3861035.12	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.38E-03	5.32E-07	1.86E-07
949	490536.72, 3861035.12	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.36E-07	1.17E-07	3.38E-03	5.32E-07	1.85E-07
950	490586.72, 3861035.12	1.98E-03	3.11E-07	1.08E-07	2.13E-03	3.36E-07	1.17E-07	3.37E-03	5.31E-07	1.85E-07
951	490636.72, 3861035.12	1.97E-03	3.10E-07	1.08E-07	2.12E-03	3.35E-07	1.17E-07	3.36E-03	5.29E-07	1.84E-07
952	490686.72, 3861035.12	1.96E-03	3.09E-07	1.08E-07	2.12E-03	3.34E-07	1.16E-07	3.35E-03	5.27E-07	1.84E-07
953	490736.72, 3861035.12	1.96E-03	3.08E-07	1.07E-07	2.11E-03	3.32E-07	1.16E-07	3.34E-03	5.25E-07	1.83E-07
954	490786.72, 3861035.12	1.95E-03	3.07E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.32E-03	5.24E-07	1.82E-07
955	490836.72, 3861035.12	1.94E-03	3.06E-07	1.06E-07	2.09E-03	3.30E-07	1.15E-07	3.31E-03	5.22E-07	1.82E-07
956	490086.72, 3861085.12	1.92E-03	3.02E-07	1.05E-07	2.07E-03	3.26E-07	1.14E-07	3.27E-03	5.14E-07	1.79E-07

957	490136.72, 3861085.12	1.93E-03	3.03E-07	1.06E-07	2.08E-03	3.27E-07	1.14E-07	3.28E-03	5.16E-07	1.80E-07
958	490186.72, 3861085.12	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.29E-03	5.18E-07	1.80E-07
959	490236.72, 3861085.12	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.29E-03	5.18E-07	1.81E-07
960	490286.72, 3861085.12	1.93E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.29E-03	5.19E-07	1.81E-07
961	490336.72, 3861085.12	1.94E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.30E-03	5.19E-07	1.81E-07
962	490386.72, 3861085.12	1.94E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.30E-03	5.20E-07	1.81E-07
963	490436.72, 3861085.12	1.94E-03	3.06E-07	1.06E-07	2.09E-03	3.30E-07	1.15E-07	3.31E-03	5.21E-07	1.81E-07
964	490486.72, 3861085.12	1.94E-03	3.06E-07	1.06E-07	2.09E-03	3.30E-07	1.15E-07	3.31E-03	5.21E-07	1.82E-07
965	490536.72, 3861085.12	1.94E-03	3.06E-07	1.07E-07	2.09E-03	3.30E-07	1.15E-07	3.31E-03	5.21E-07	1.82E-07
966	490586.72, 3861085.12	1.94E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.30E-03	5.20E-07	1.81E-07
967	490636.72, 3861085.12	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.29E-03	5.19E-07	1.81E-07
968	490686.72, 3861085.12	1.93E-03	3.03E-07	1.06E-07	2.08E-03	3.27E-07	1.14E-07	3.29E-03	5.18E-07	1.80E-07
969	490736.72, 3861085.12	1.92E-03	3.03E-07	1.05E-07	2.07E-03	3.26E-07	1.14E-07	3.28E-03	5.16E-07	1.80E-07
970	490786.72, 3861085.12	1.91E-03	3.02E-07	1.05E-07	2.07E-03	3.25E-07	1.13E-07	3.27E-03	5.15E-07	1.79E-07
971	490836.72, 3861085.12	1.91E-03	3.00E-07	1.05E-07	2.06E-03	3.24E-07	1.13E-07	3.25E-03	5.13E-07	1.79E-07
972	490086.72, 3861135.12	1.87E-03	2.95E-07	1.03E-07	2.02E-03	3.18E-07	1.11E-07	3.19E-03	5.02E-07	1.75E-07
973	490136.72, 3861135.12	1.88E-03	2.96E-07	1.03E-07	2.03E-03	3.19E-07	1.11E-07	3.20E-03	5.04E-07	1.76E-07
974	490186.72, 3861135.12	1.89E-03	2.97E-07	1.03E-07	2.03E-03	3.20E-07	1.12E-07	3.21E-03	5.06E-07	1.76E-07
975	490236.72, 3861135.12	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.21E-07	1.12E-07	3.22E-03	5.07E-07	1.77E-07
976	490286.72, 3861135.12	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.22E-03	5.08E-07	1.77E-07
977	490336.72, 3861135.12	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.23E-03	5.08E-07	1.77E-07
978	490386.72, 3861135.12	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.22E-07	1.12E-07	3.23E-03	5.09E-07	1.77E-07
979	490436.72, 3861135.12	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.23E-07	1.12E-07	3.23E-03	5.10E-07	1.78E-07
980	490486.72, 3861135.12	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.23E-07	1.12E-07	3.24E-03	5.10E-07	1.78E-07
981	490536.72, 3861135.12	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.23E-07	1.12E-07	3.24E-03	5.10E-07	1.78E-07
982	490586.72, 3861135.12	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.23E-07	1.12E-07	3.24E-03	5.10E-07	1.78E-07
983	490636.72, 3861135.12	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.23E-03	5.09E-07	1.77E-07
984	490686.72, 3861135.12	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.21E-07	1.12E-07	3.22E-03	5.08E-07	1.77E-07
985	490736.72, 3861135.12	1.89E-03	2.97E-07	1.04E-07	2.04E-03	3.21E-07	1.12E-07	3.22E-03	5.07E-07	1.77E-07
986	490786.72, 3861135.12	1.88E-03	2.96E-07	1.03E-07	2.03E-03	3.20E-07	1.11E-07	3.21E-03	5.06E-07	1.76E-07
987	490836.72, 3861135.12	1.87E-03	2.95E-07	1.03E-07	2.02E-03	3.19E-07	1.11E-07	3.20E-03	5.04E-07	1.76E-07
988	490086.72, 3861185.12	1.83E-03	2.88E-07	1.00E-07	1.97E-03	3.11E-07	1.08E-07	3.11E-03	4.91E-07	1.71E-07
989	490136.72, 3861185.12	1.83E-03	2.89E-07	1.01E-07	1.98E-03	3.11E-07	1.09E-07	3.12E-03	4.92E-07	1.71E-07
990	490186.72, 3861185.12	1.84E-03	2.90E-07	1.01E-07	1.98E-03	3.12E-07	1.09E-07	3.13E-03	4.93E-07	1.72E-07
991	490236.72, 3861185.12	1.84E-03	2.90E-07	1.01E-07	1.99E-03	3.13E-07	1.09E-07	3.14E-03	4.94E-07	1.72E-07
992	490286.72, 3861185.12	1.85E-03	2.91E-07	1.02E-07	1.99E-03	3.14E-07	1.09E-07	3.15E-03	4.96E-07	1.73E-07
993	490336.72, 3861185.12	1.85E-03	2.91E-07	1.01E-07	1.99E-03	3.14E-07	1.09E-07	3.15E-03	4.96E-07	1.73E-07
994	490386.72, 3861185.12	1.85E-03	2.92E-07	1.02E-07	2.00E-03	3.15E-07	1.10E-07	3.16E-03	4.97E-07	1.73E-07
995	490436.72, 3861185.12	1.86E-03	2.93E-07	1.02E-07	2.00E-03	3.16E-07	1.10E-07	3.16E-03	4.98E-07	1.74E-07
996	490486.72, 3861185.12	1.86E-03	2.93E-07	1.02E-07	2.00E-03	3.16E-07	1.10E-07	3.17E-03	4.99E-07	1.74E-07
997	490536.72, 3861185.12	1.86E-03	2.93E-07	1.02E-07	2.01E-03	3.17E-07	1.10E-07	3.18E-03	5.00E-07	1.74E-07
998	490586.72, 3861185.12	1.86E-03	2.93E-07	1.02E-07	2.01E-03	3.16E-07	1.10E-07	3.17E-03	5.00E-07	1.74E-07
999	490636.72, 3861185.12	1.86E-03	2.92E-07	1.02E-07	2.00E-03	3.15E-07	1.10E-07	3.17E-03	4.99E-07	1.74E-07
1000	490686.72, 3861185.12	1.85E-03	2.92E-07	1.02E-07	2.00E-03	3.15E-07	1.10E-07	3.16E-03	4.98E-07	1.74E-07
1001	490736.72, 3861185.12	1.85E-03	2.92E-07	1.02E-07	2.00E-03	3.15E-07	1.10E-07	3.16E-03	4.98E-07	1.73E-07
1002	490786.72, 3861185.12	1.85E-03	2.91E-07	1.01E-07	1.99E-03	3.14E-07	1.09E-07	3.15E-03	4.97E-07	1.73E-07
1003	490836.72, 3861185.12	1.84E-03	2.90E-07	1.01E-07	1.99E-03	3.13E-07	1.09E-07	3.15E-03	4.96E-07	1.73E-07
1004	490086.72, 3861235.12	1.79E-03	2.82E-07	9.81E-08	1.93E-03	3.04E-07	1.06E-07	3.04E-03	4.79E-07	1.67E-07
1005	490136.72, 3861235.12	1.79E-03	2.82E-07	9.83E-08	1.93E-03	3.04E-07	1.06E-07	3.05E-03	4.80E-07	1.67E-07
1006	490186.72, 3861235.12	1.80E-03	2.83E-07	9.86E-08	1.94E-03	3.05E-07	1.06E-07	3.06E-03	4.82E-07	1.68E-07
1007	490236.72, 3861235.12	1.80E-03	2.83E-07	9.87E-08	1.94E-03	3.06E-07	1.06E-07	3.06E-03	4.82E-07	1.68E-07
1008	490386.72, 3861235.12	1.81E-03	2.85E-07	9.93E-08	1.95E-03	3.07E-07	1.07E-07	3.08E-03	4.86E-07	1.69E-07
1009	490436.72, 3861235.12	1.81E-03	2.85E-07	9.94E-08	1.95E-03	3.08E-07	1.07E-07	3.09E-03	4.86E-07	1.69E-07
1010	490486.72, 3861235.12	1.81E-03	2.86E-07	9.96E-08	1.96E-03	3.08E-07	1.07E-07	3.09E-03	4.87E-07	1.70E-07
1011	490536.72, 3861235.12	1.82E-03	2.87E-07	1.00E-07	1.96E-03	3.10E-07	1.08E-07	3.11E-03	4.89E-07	1.70E-07
1012	490586.72, 3861235.12	1.83E-03	2.88E-07	1.00E-07	1.97E-03	3.10E-07	1.08E-07	3.11E-03	4.90E-07	1.71E-07
1013	490636.72, 3861235.12	1.82E-03	2.87E-07	9.98E-08	1.96E-03	3.09E-07	1.08E-07	3.10E-03	4.89E-07	1.70E-07
1014	490686.72, 3861235.12	1.82E-03	2.86E-07	9.98E-08	1.96E-03	3.09E-07	1.08E-07	3.10E-03	4.88E-07	1.70E-07
1015	490736.72, 3861235.12	1.82E-03	2.86E-07	9.97E-08	1.96E-03	3.09E-07	1.08E-07	3.10E-03	4.88E-07	1.70E-07
1016	490786.72, 3861235.12	1.82E-03	2.86E-07	9.97E-08	1.96E-03	3.09E-07	1.08E-07	3.10E-03	4.88E-07	1.70E-07
1017	490836.72, 3861235.12	1.81E-03	2.86E-07	9.95E-08	1.96E-03	3.08E-07	1.07E-07	3.09E-03	4.87E-07	1.70E-07
1018	490086.72, 3861285.12	1.75E-03	2.76E-07	9.60E-08	1.89E-03	2.97E-07	1.04E-07	2.98E-03	4.69E-07	1.63E-07
1019	490136.72, 3861285.12	1.76E-03	2.77E-07	9.64E-08	1.89E-03	2.98E-07	1.04E-07	2.99E-03	4.71E-07	1.64E-07
1020	490186.72, 3861285.12	1.76E-03	2.77E-07	9.64E-08	1.89E-03	2.98E-07	1.04E-07	2.99E-03	4.71E-07	1.64E-07

1021	490236.72, 3861285.12	1.76E-03	2.77E-07	9.66E-08	1.90E-03	2.99E-07	1.04E-07	3.00E-03	4.72E-07	1.64E-07
1022	490386.72, 3861285.12	1.77E-03	2.79E-07	9.71E-08	1.91E-03	3.01E-07	1.05E-07	3.01E-03	4.75E-07	1.65E-07
1023	490436.72, 3861285.12	1.77E-03	2.79E-07	9.74E-08	1.91E-03	3.01E-07	1.05E-07	3.02E-03	4.76E-07	1.66E-07
1024	490486.72, 3861285.12	1.78E-03	2.80E-07	9.75E-08	1.92E-03	3.02E-07	1.05E-07	3.03E-03	4.77E-07	1.66E-07
1025	490536.72, 3861285.12	1.78E-03	2.80E-07	9.76E-08	1.92E-03	3.02E-07	1.05E-07	3.03E-03	4.78E-07	1.66E-07
1026	490586.72, 3861285.12	1.78E-03	2.81E-07	9.78E-08	1.92E-03	3.03E-07	1.06E-07	3.04E-03	4.79E-07	1.67E-07
1027	490636.72, 3861285.12	1.78E-03	2.80E-07	9.77E-08	1.92E-03	3.03E-07	1.05E-07	3.04E-03	4.78E-07	1.67E-07
1028	490686.72, 3861285.12	1.78E-03	2.81E-07	9.77E-08	1.92E-03	3.03E-07	1.05E-07	3.04E-03	4.78E-07	1.67E-07
1029	490736.72, 3861285.12	1.78E-03	2.81E-07	9.79E-08	1.92E-03	3.03E-07	1.06E-07	3.04E-03	4.79E-07	1.67E-07
1030	490786.72, 3861285.12	1.78E-03	2.81E-07	9.78E-08	1.92E-03	3.03E-07	1.06E-07	3.04E-03	4.79E-07	1.67E-07
1031	490836.72, 3861285.12	1.78E-03	2.80E-07	9.76E-08	1.92E-03	3.02E-07	1.05E-07	3.03E-03	4.78E-07	1.67E-07
1032	490061.24, 3859716.13	3.88E-03	6.11E-07	2.13E-07	4.18E-03	6.59E-07	2.29E-07	6.57E-03	1.04E-06	3.61E-07
1033	490111.24, 3859716.13	3.89E-03	6.13E-07	2.13E-07	4.19E-03	6.60E-07	2.30E-07	6.59E-03	1.04E-06	3.61E-07
1034	490161.24, 3859716.13	3.90E-03	6.14E-07	2.14E-07	4.20E-03	6.62E-07	2.31E-07	6.60E-03	1.04E-06	3.62E-07
1035	490211.24, 3859716.13	3.91E-03	6.16E-07	2.14E-07	4.21E-03	6.64E-07	2.31E-07	6.62E-03	1.04E-06	3.63E-07
1036	490061.24, 3859766.13	3.73E-03	5.87E-07	2.05E-07	4.02E-03	6.33E-07	2.20E-07	6.32E-03	9.95E-07	3.47E-07
1037	490111.24, 3859766.13	3.73E-03	5.87E-07	2.05E-07	4.02E-03	6.33E-07	2.21E-07	6.32E-03	9.96E-07	3.47E-07
1038	490161.24, 3859766.13	3.73E-03	5.88E-07	2.05E-07	4.02E-03	6.34E-07	2.21E-07	6.33E-03	9.97E-07	3.47E-07
1039	490211.24, 3859766.13	3.74E-03	5.89E-07	2.05E-07	4.03E-03	6.35E-07	2.21E-07	6.34E-03	9.99E-07	3.48E-07
1040	490061.24, 3859816.13	3.59E-03	5.65E-07	1.97E-07	3.87E-03	6.10E-07	2.12E-07	6.09E-03	9.59E-07	3.34E-07
1041	490111.24, 3859816.13	3.58E-03	5.65E-07	1.97E-07	3.86E-03	6.09E-07	2.12E-07	6.08E-03	9.58E-07	3.34E-07
1042	490161.24, 3859816.13	3.59E-03	5.65E-07	1.97E-07	3.87E-03	6.09E-07	2.12E-07	6.08E-03	9.58E-07	3.34E-07
1043	490211.24, 3859816.13	3.59E-03	5.65E-07	1.97E-07	3.87E-03	6.09E-07	2.12E-07	6.09E-03	9.59E-07	3.34E-07
1044	490061.24, 3859866.13	3.47E-03	5.46E-07	1.90E-07	3.74E-03	5.89E-07	2.05E-07	5.89E-03	9.27E-07	3.23E-07
1045	490111.24, 3859866.13	3.46E-03	5.45E-07	1.90E-07	3.73E-03	5.88E-07	2.05E-07	5.87E-03	9.25E-07	3.22E-07
1046	490161.24, 3859866.13	3.46E-03	5.44E-07	1.90E-07	3.73E-03	5.87E-07	2.04E-07	5.87E-03	9.24E-07	3.22E-07
1047	490211.24, 3859866.13	3.46E-03	5.44E-07	1.90E-07	3.73E-03	5.87E-07	2.04E-07	5.87E-03	9.24E-07	3.22E-07
1048	490061.24, 3859916.13	3.36E-03	5.29E-07	1.84E-07	3.62E-03	5.71E-07	1.99E-07	5.71E-03	8.99E-07	3.13E-07
1049	490111.24, 3859916.13	3.35E-03	5.28E-07	1.84E-07	3.61E-03	5.69E-07	1.98E-07	5.69E-03	8.96E-07	3.12E-07
1050	490161.24, 3859916.13	3.34E-03	5.26E-07	1.83E-07	3.60E-03	5.67E-07	1.98E-07	5.67E-03	8.94E-07	3.11E-07
1051	490211.24, 3859916.13	3.33E-03	5.25E-07	1.83E-07	3.60E-03	5.66E-07	1.97E-07	5.66E-03	8.92E-07	3.11E-07
1052	490229.25, 3859815.26	3.60E-03	5.66E-07	1.97E-07	3.88E-03	6.11E-07	2.13E-07	6.10E-03	9.61E-07	3.35E-07
1053	490279.25, 3859815.26	3.60E-03	5.67E-07	1.98E-07	3.88E-03	6.12E-07	2.13E-07	6.11E-03	9.62E-07	3.35E-07
1054	490329.25, 3859815.26	3.61E-03	5.68E-07	1.98E-07	3.89E-03	6.13E-07	2.14E-07	6.12E-03	9.64E-07	3.36E-07
1055	490379.25, 3859815.26	3.62E-03	5.71E-07	1.99E-07	3.91E-03	6.15E-07	2.14E-07	6.14E-03	9.68E-07	3.37E-07
1056	490429.25, 3859815.26	3.64E-03	5.74E-07	2.00E-07	3.93E-03	6.19E-07	2.16E-07	6.18E-03	9.73E-07	3.39E-07
1057	490229.25, 3859865.26	3.46E-03	5.45E-07	1.90E-07	3.73E-03	5.87E-07	2.05E-07	5.87E-03	9.25E-07	3.22E-07
1058	490279.25, 3859865.26	3.46E-03	5.45E-07	1.90E-07	3.73E-03	5.88E-07	2.05E-07	5.87E-03	9.25E-07	3.22E-07
1059	490329.25, 3859865.26	3.47E-03	5.46E-07	1.90E-07	3.74E-03	5.89E-07	2.05E-07	5.88E-03	9.26E-07	3.23E-07
1060	490379.25, 3859865.26	3.47E-03	5.47E-07	1.91E-07	3.75E-03	5.90E-07	2.06E-07	5.90E-03	9.29E-07	3.24E-07
1061	490429.25, 3859865.26	3.49E-03	5.49E-07	1.91E-07	3.76E-03	5.92E-07	2.06E-07	5.92E-03	9.32E-07	3.25E-07
1062	490229.25, 3859915.26	3.34E-03	5.26E-07	1.83E-07	3.60E-03	5.67E-07	1.97E-07	5.67E-03	8.93E-07	3.11E-07
1063	490279.25, 3859915.26	3.33E-03	5.25E-07	1.83E-07	3.59E-03	5.66E-07	1.97E-07	5.66E-03	8.92E-07	3.11E-07
1064	490329.25, 3859915.26	3.33E-03	5.25E-07	1.83E-07	3.60E-03	5.66E-07	1.97E-07	5.66E-03	8.92E-07	3.11E-07
1065	490379.25, 3859915.26	3.34E-03	5.26E-07	1.83E-07	3.60E-03	5.67E-07	1.98E-07	5.67E-03	8.93E-07	3.11E-07
1066	490429.25, 3859915.26	3.35E-03	5.27E-07	1.84E-07	3.61E-03	5.68E-07	1.98E-07	5.68E-03	8.95E-07	3.12E-07
1067	490451.43, 3859872.59	3.47E-03	5.47E-07	1.90E-07	3.74E-03	5.89E-07	2.05E-07	5.89E-03	9.28E-07	3.23E-07
1068	490501.43, 3859872.59	3.49E-03	5.49E-07	1.91E-07	3.76E-03	5.92E-07	2.06E-07	5.92E-03	9.32E-07	3.25E-07
1069	490551.43, 3859872.59	3.51E-03	5.53E-07	1.93E-07	3.79E-03	5.96E-07	2.08E-07	5.96E-03	9.39E-07	3.27E-07
1070	490601.43, 3859872.59	3.53E-03	5.57E-07	1.94E-07	3.81E-03	6.00E-07	2.09E-07	6.00E-03	9.45E-07	3.29E-07
1071	490451.43, 3859922.59	3.33E-03	5.25E-07	1.83E-07	3.59E-03	5.66E-07	1.97E-07	5.66E-03	8.91E-07	3.10E-07
1072	490501.43, 3859922.59	3.34E-03	5.27E-07	1.83E-07	3.60E-03	5.68E-07	1.98E-07	5.68E-03	8.94E-07	3.12E-07
1073	490551.43, 3859922.59	3.36E-03	5.30E-07	1.84E-07	3.62E-03	5.71E-07	1.99E-07	5.71E-03	8.99E-07	3.13E-07
1074	490601.43, 3859922.59	3.38E-03	5.33E-07	1.86E-07	3.65E-03	5.75E-07	2.00E-07	5.75E-03	9.05E-07	3.15E-07
1075	482129.67, 3852241.07	1.45E-03	2.28E-07	7.95E-08	1.56E-03	2.46E-07	8.55E-08	2.43E-03	3.83E-07	1.33E-07
1076	482029.67, 3852291.07	1.55E-03	2.44E-07	8.51E-08	1.67E-03	2.63E-07	9.16E-08	2.61E-03	4.11E-07	1.43E-07
1077	482079.67, 3852291.07	1.53E-03	2.41E-07	8.41E-08	1.65E-03	2.60E-07	9.05E-08	2.58E-03	4.06E-07	1.41E-07
1078	482129.67, 3852291.07	1.51E-03	2.38E-07	8.30E-08	1.63E-03	2.56E-07	8.93E-08	2.54E-03	4.00E-07	1.39E-07
1079	482179.67, 3852291.07	1.48E-03	2.33E-07	8.10E-08	1.59E-03	2.50E-07	8.72E-08	2.48E-03	3.90E-07	1.36E-07
1080	482229.67, 3852291.07	1.44E-03	2.27E-07	7.91E-08	1.55E-03	2.45E-07	8.52E-08	2.42E-03	3.82E-07	1.33E-07
1081	482029.67, 3852341.07	1.61E-03	2.53E-07	8.82E-08	1.73E-03	2.73E-07	9.49E-08	2.70E-03	4.26E-07	1.48E-07
1082	482079.67, 3852341.07	1.59E-03	2.50E-07	8.71E-08	1.71E-03	2.69E-07	9.38E-08	2.67E-03	4.20E-07	1.46E-07
1083	482129.67, 3852341.07	1.57E-03	2.47E-07	8.61E-08	1.69E-03	2.66E-07	9.27E-08	2.64E-03	4.15E-07	1.45E-07
1084	482179.67, 3852341.07	1.55E-03	2.44E-07	8.49E-08	1.67E-03	2.62E-07	9.14E-08	2.60E-03	4.09E-07	1.43E-07

1085	482259.06, 3852400.14	1.59E-03	2.51E-07	8.75E-08	1.72E-03	2.70E-07	9.41E-08	2.67E-03	4.21E-07	1.47E-07
1086	482309.06, 3852400.14	1.55E-03	2.45E-07	8.53E-08	1.67E-03	2.64E-07	9.19E-08	2.61E-03	4.11E-07	1.43E-07
1087	482209.06, 3852450.14	1.67E-03	2.63E-07	9.16E-08	1.80E-03	2.83E-07	9.87E-08	2.80E-03	4.41E-07	1.54E-07
1088	482259.06, 3852450.14	1.65E-03	2.60E-07	9.06E-08	1.78E-03	2.80E-07	9.76E-08	2.77E-03	4.36E-07	1.52E-07
1089	482309.06, 3852450.14	1.63E-03	2.57E-07	8.94E-08	1.75E-03	2.76E-07	9.63E-08	2.73E-03	4.30E-07	1.50E-07
1090	482209.06, 3852500.14	1.73E-03	2.73E-07	9.50E-08	1.86E-03	2.93E-07	1.02E-07	2.90E-03	4.57E-07	1.59E-07
1091	482259.06, 3852500.14	1.71E-03	2.70E-07	9.39E-08	1.84E-03	2.90E-07	1.01E-07	2.87E-03	4.52E-07	1.57E-07
1092	482309.06, 3852500.14	1.69E-03	2.66E-07	9.28E-08	1.82E-03	2.87E-07	9.99E-08	2.84E-03	4.47E-07	1.56E-07
1093	482283.91, 3852513.62	1.72E-03	2.71E-07	9.43E-08	1.85E-03	2.91E-07	1.02E-07	2.88E-03	4.54E-07	1.58E-07
1094	482333.91, 3852513.62	1.70E-03	2.68E-07	9.33E-08	1.83E-03	2.88E-07	1.00E-07	2.85E-03	4.49E-07	1.56E-07
1095	482283.91, 3852563.62	1.78E-03	2.81E-07	9.78E-08	1.92E-03	3.02E-07	1.05E-07	2.99E-03	4.71E-07	1.64E-07
1096	482333.91, 3852563.62	1.77E-03	2.78E-07	9.69E-08	1.90E-03	2.99E-07	1.04E-07	2.96E-03	4.66E-07	1.62E-07
1097	482383.91, 3852563.62	1.75E-03	2.76E-07	9.61E-08	1.88E-03	2.97E-07	1.03E-07	2.93E-03	4.62E-07	1.61E-07
1098	482283.91, 3852613.62	1.85E-03	2.91E-07	1.02E-07	1.99E-03	3.14E-07	1.09E-07	3.10E-03	4.89E-07	1.70E-07
1099	482333.91, 3852613.62	1.83E-03	2.89E-07	1.01E-07	1.97E-03	3.11E-07	1.08E-07	3.07E-03	4.83E-07	1.68E-07
1100	482383.91, 3852613.62	1.82E-03	2.86E-07	9.97E-08	1.96E-03	3.08E-07	1.07E-07	3.04E-03	4.79E-07	1.67E-07
1101	482602.38, 3852600.87	1.72E-03	2.72E-07	9.47E-08	1.86E-03	2.93E-07	1.02E-07	2.89E-03	4.56E-07	1.59E-07
1102	482652.38, 3852600.87	1.71E-03	2.70E-07	9.39E-08	1.84E-03	2.90E-07	1.01E-07	2.87E-03	4.52E-07	1.58E-07
1103	482702.38, 3852600.87	1.67E-03	2.63E-07	9.15E-08	1.80E-03	2.83E-07	9.86E-08	2.81E-03	4.42E-07	1.54E-07
1104	482552.38, 3852650.87	1.83E-03	2.88E-07	1.00E-07	1.97E-03	3.10E-07	1.08E-07	3.06E-03	4.83E-07	1.68E-07
1105	482602.38, 3852650.87	1.81E-03	2.85E-07	9.91E-08	1.94E-03	3.06E-07	1.07E-07	3.02E-03	4.76E-07	1.66E-07
1106	482652.38, 3852650.87	1.80E-03	2.83E-07	9.86E-08	1.93E-03	3.05E-07	1.06E-07	3.01E-03	4.74E-07	1.65E-07
1107	482702.38, 3852650.87	1.78E-03	2.81E-07	9.78E-08	1.92E-03	3.02E-07	1.05E-07	2.99E-03	4.71E-07	1.64E-07
1108	482552.38, 3852700.87	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.22E-07	1.12E-07	3.18E-03	5.01E-07	1.75E-07
1109	482602.38, 3852700.87	1.90E-03	2.99E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.17E-03	5.00E-07	1.74E-07
1110	482652.38, 3852700.87	1.90E-03	2.99E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.17E-03	5.00E-07	1.74E-07
1111	482702.38, 3852700.87	1.89E-03	2.97E-07	1.03E-07	2.03E-03	3.20E-07	1.11E-07	3.16E-03	4.97E-07	1.73E-07
1112	482452.38, 3852750.87	1.99E-03	3.14E-07	1.09E-07	2.15E-03	3.38E-07	1.18E-07	3.34E-03	5.26E-07	1.83E-07
1113	482521.29, 3852749.74	1.98E-03	3.12E-07	1.09E-07	2.13E-03	3.36E-07	1.17E-07	3.31E-03	5.22E-07	1.82E-07
1114	482571.29, 3852749.74	1.97E-03	3.11E-07	1.08E-07	2.12E-03	3.35E-07	1.17E-07	3.30E-03	5.20E-07	1.81E-07
1115	482521.29, 3852799.74	2.06E-03	3.24E-07	1.13E-07	2.21E-03	3.49E-07	1.21E-07	3.44E-03	5.42E-07	1.89E-07
1116	482571.29, 3852799.74	2.05E-03	3.23E-07	1.13E-07	2.21E-03	3.48E-07	1.21E-07	3.43E-03	5.41E-07	1.88E-07
1117	482621.29, 3852799.74	2.05E-03	3.23E-07	1.13E-07	2.21E-03	3.48E-07	1.21E-07	3.43E-03	5.40E-07	1.88E-07
1118	482571.29, 3852849.74	2.13E-03	3.36E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.57E-03	5.62E-07	1.96E-07
1119	482621.29, 3852849.74	2.13E-03	3.36E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.57E-03	5.62E-07	1.96E-07
1120	482577.42, 3852901.55	2.22E-03	3.50E-07	1.22E-07	2.39E-03	3.77E-07	1.31E-07	3.72E-03	5.86E-07	2.04E-07
1121	482627.42, 3852901.55	2.22E-03	3.50E-07	1.22E-07	2.39E-03	3.77E-07	1.31E-07	3.72E-03	5.86E-07	2.04E-07
1122	482629.96, 3852955.85	2.33E-03	3.67E-07	1.28E-07	2.51E-03	3.95E-07	1.37E-07	3.89E-03	6.13E-07	2.13E-07
1123	482679.96, 3852955.85	2.33E-03	3.67E-07	1.28E-07	2.51E-03	3.95E-07	1.38E-07	3.89E-03	6.13E-07	2.13E-07
1124	482781.63, 3853034.48	2.48E-03	3.91E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.14E-03	6.52E-07	2.27E-07
1125	482831.63, 3853034.48	2.45E-03	3.86E-07	1.34E-07	2.63E-03	4.15E-07	1.45E-07	4.09E-03	6.44E-07	2.24E-07
1126	482881.63, 3853034.48	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.09E-07	1.42E-07	4.03E-03	6.35E-07	2.21E-07
1127	482781.63, 3853084.48	2.61E-03	4.11E-07	1.43E-07	2.81E-03	4.42E-07	1.54E-07	4.35E-03	6.85E-07	2.38E-07
1128	482831.63, 3853084.48	2.58E-03	4.06E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.29E-03	6.77E-07	2.36E-07
1129	482881.63, 3853084.48	2.54E-03	4.00E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.23E-03	6.67E-07	2.32E-07
1130	482781.63, 3853134.48	2.75E-03	4.34E-07	1.51E-07	2.96E-03	4.66E-07	1.62E-07	4.58E-03	7.21E-07	2.51E-07
1131	482831.63, 3853134.48	2.72E-03	4.28E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.53E-03	7.13E-07	2.48E-07
1132	482881.63, 3853134.48	2.68E-03	4.22E-07	1.47E-07	2.88E-03	4.54E-07	1.58E-07	4.46E-03	7.03E-07	2.45E-07
1133	482831.63, 3853184.48	2.88E-03	4.54E-07	1.58E-07	3.10E-03	4.88E-07	1.70E-07	4.78E-03	7.53E-07	2.62E-07
1134	482881.63, 3853184.48	2.84E-03	4.47E-07	1.56E-07	3.05E-03	4.81E-07	1.68E-07	4.72E-03	7.43E-07	2.59E-07
1135	484154.84, 3854250.98	9.56E-03	1.51E-06	5.25E-07	1.04E-02	1.63E-06	5.70E-07	1.71E-02	2.70E-06	9.39E-07
1136	484204.84, 3854250.98	9.29E-03	1.46E-06	5.10E-07	1.01E-02	1.59E-06	5.53E-07	1.66E-02	2.61E-06	9.11E-07
1137	484154.84, 3854300.98	9.91E-03	1.56E-06	5.44E-07	1.08E-02	1.69E-06	5.90E-07	1.77E-02	2.79E-06	9.72E-07
1138	484204.84, 3854300.98	9.75E-03	1.54E-06	5.35E-07	1.06E-02	1.67E-06	5.81E-07	1.74E-02	2.74E-06	9.54E-07
1139	484074.19, 3854519.8	1.47E-02	2.32E-06	8.07E-07	1.59E-02	2.51E-06	8.74E-07	2.58E-02	4.07E-06	1.42E-06
1140	484124.19, 3854519.8	1.40E-02	2.20E-06	7.66E-07	1.51E-02	2.38E-06	8.30E-07	2.45E-02	3.86E-06	1.35E-06
1141	484074.19, 3854569.8	1.63E-02	2.57E-06	8.94E-07	1.76E-02	2.78E-06	9.67E-07	2.84E-02	4.48E-06	1.56E-06
1142	484124.19, 3854569.8	1.53E-02	2.41E-06	8.39E-07	1.65E-02	2.61E-06	9.08E-07	2.67E-02	4.20E-06	1.46E-06
1143	485205.11, 3855188.89	2.66E-02	4.19E-06	1.46E-06	2.86E-02	4.51E-06	1.57E-06	4.46E-02	7.03E-06	2.45E-06
1144	485255.11, 3855188.89	2.51E-02	3.96E-06	1.38E-06	2.70E-02	4.26E-06	1.48E-06	4.22E-02	6.64E-06	2.31E-06
1145	485205.11, 3855238.89	2.77E-02	4.36E-06	1.52E-06	2.98E-02	4.70E-06	1.64E-06	4.64E-02	7.31E-06	2.55E-06
1146	485255.11, 3855238.89	2.67E-02	4.21E-06	1.47E-06	2.88E-02	4.53E-06	1.58E-06	4.49E-02	7.07E-06	2.46E-06
1147	485205.11, 3855288.89	3.10E-02	4.88E-06	1.70E-06	3.33E-02	5.25E-06	1.83E-06	5.19E-02	8.18E-06	2.85E-06
1148	485255.11, 3855288.89	2.94E-02	4.63E-06	1.61E-06	3.17E-02	4.99E-06	1.74E-06	4.94E-02	7.78E-06	2.71E-06

1149	485255.11, 3855338.89	3.24E-02	5.10E-06	1.78E-06	3.49E-02	5.50E-06	1.91E-06	5.45E-02	8.58E-06	2.99E-06
1150	485305.11, 3855338.89	3.06E-02	4.83E-06	1.68E-06	3.30E-02	5.20E-06	1.81E-06	5.15E-02	8.12E-06	2.83E-06
1151	485852.5, 3855635.28	2.95E-02	4.65E-06	1.62E-06	3.18E-02	5.01E-06	1.75E-06	5.02E-02	7.91E-06	2.75E-06
1152	485902.5, 3855635.28	2.81E-02	4.43E-06	1.54E-06	3.03E-02	4.77E-06	1.66E-06	4.78E-02	7.53E-06	2.62E-06
1153	485852.5, 3855685.28	3.10E-02	4.89E-06	1.70E-06	3.35E-02	5.27E-06	1.84E-06	5.29E-02	8.33E-06	2.90E-06
1154	485902.5, 3855685.28	2.95E-02	4.65E-06	1.62E-06	3.18E-02	5.01E-06	1.75E-06	5.03E-02	7.92E-06	2.76E-06
1155	485852.5, 3855735.28	3.27E-02	5.15E-06	1.79E-06	3.53E-02	5.56E-06	1.94E-06	5.58E-02	8.79E-06	3.06E-06
1156	485902.5, 3855735.28	3.13E-02	4.93E-06	1.72E-06	3.38E-02	5.32E-06	1.85E-06	5.34E-02	8.41E-06	2.93E-06
1157	485852.5, 3855785.28	3.48E-02	5.49E-06	1.91E-06	3.76E-02	5.92E-06	2.06E-06	5.95E-02	9.38E-06	3.27E-06
1158	485902.5, 3855785.28	3.28E-02	5.17E-06	1.80E-06	3.54E-02	5.58E-06	1.94E-06	5.61E-02	8.84E-06	3.08E-06
1159	486809.46, 3856465.28	3.30E-02	5.20E-06	1.81E-06	3.57E-02	5.62E-06	1.96E-06	5.70E-02	8.98E-06	3.13E-06
1160	486859.46, 3856465.28	3.24E-02	5.10E-06	1.78E-06	3.50E-02	5.51E-06	1.92E-06	5.59E-02	8.80E-06	3.07E-06
1161	486909.46, 3856465.28	3.16E-02	4.98E-06	1.73E-06	3.42E-02	5.38E-06	1.87E-06	5.46E-02	8.60E-06	3.00E-06
1162	486809.46, 3856515.28	3.46E-02	5.45E-06	1.90E-06	3.74E-02	5.89E-06	2.05E-06	5.98E-02	9.41E-06	3.28E-06
1163	486859.46, 3856515.28	3.40E-02	5.35E-06	1.86E-06	3.67E-02	5.78E-06	2.01E-06	5.87E-02	9.24E-06	3.22E-06
1164	486909.46, 3856515.28	3.32E-02	5.23E-06	1.82E-06	3.59E-02	5.65E-06	1.97E-06	5.74E-02	9.04E-06	3.15E-06
1165	486980.94, 3856357.95	2.81E-02	4.42E-06	1.54E-06	3.03E-02	4.78E-06	1.66E-06	4.84E-02	7.63E-06	2.66E-06
1166	487030.94, 3856357.95	2.76E-02	4.34E-06	1.51E-06	2.98E-02	4.69E-06	1.63E-06	4.75E-02	7.49E-06	2.61E-06
1167	486980.94, 3856407.95	2.93E-02	4.62E-06	1.61E-06	3.17E-02	4.99E-06	1.74E-06	5.06E-02	7.97E-06	2.78E-06
1168	487030.94, 3856407.95	2.87E-02	4.53E-06	1.58E-06	3.10E-02	4.89E-06	1.70E-06	4.96E-02	7.81E-06	2.72E-06
1169	487447.18, 3856437.45	2.54E-02	4.00E-06	1.39E-06	2.74E-02	4.32E-06	1.50E-06	4.38E-02	6.90E-06	2.40E-06
1170	487497.18, 3856437.45	2.50E-02	3.93E-06	1.37E-06	2.70E-02	4.25E-06	1.48E-06	4.31E-02	6.79E-06	2.36E-06
1171	487547.18, 3856437.45	2.46E-02	3.88E-06	1.35E-06	2.66E-02	4.19E-06	1.46E-06	4.24E-02	6.68E-06	2.33E-06
1172	487447.18, 3856487.45	2.63E-02	4.15E-06	1.44E-06	2.84E-02	4.48E-06	1.56E-06	4.54E-02	7.15E-06	2.49E-06
1173	487497.18, 3856487.45	2.59E-02	4.07E-06	1.42E-06	2.79E-02	4.40E-06	1.53E-06	4.46E-02	7.03E-06	2.45E-06
1174	487547.18, 3856487.45	2.55E-02	4.01E-06	1.40E-06	2.75E-02	4.33E-06	1.51E-06	4.39E-02	6.92E-06	2.41E-06
1175	487447.18, 3856537.45	2.73E-02	4.30E-06	1.50E-06	2.95E-02	4.64E-06	1.62E-06	4.71E-02	7.42E-06	2.58E-06
1176	487497.18, 3856537.45	2.68E-02	4.22E-06	1.47E-06	2.89E-02	4.56E-06	1.59E-06	4.62E-02	7.28E-06	2.54E-06
1177	487547.18, 3856537.45	2.64E-02	4.15E-06	1.45E-06	2.85E-02	4.49E-06	1.56E-06	4.55E-02	7.17E-06	2.50E-06
1178	489285.89, 3858826.54	1.20E-02	1.89E-06	6.60E-07	1.29E-02	2.03E-06	7.06E-07	1.91E-02	3.00E-06	1.05E-06
1179	489335.89, 3858826.54	1.17E-02	1.85E-06	6.43E-07	1.25E-02	1.98E-06	6.88E-07	1.87E-02	2.95E-06	1.03E-06
1180	489385.89, 3858826.54	1.14E-02	1.80E-06	6.28E-07	1.23E-02	1.93E-06	6.73E-07	1.84E-02	2.90E-06	1.01E-06
1181	489435.89, 3858826.54	1.12E-02	1.76E-06	6.15E-07	1.20E-02	1.89E-06	6.59E-07	1.81E-02	2.86E-06	9.95E-07
1182	489485.89, 3858826.54	1.10E-02	1.73E-06	6.03E-07	1.18E-02	1.86E-06	6.46E-07	1.79E-02	2.81E-06	9.80E-07
1183	489535.89, 3858826.54	1.08E-02	1.70E-06	5.91E-07	1.16E-02	1.82E-06	6.35E-07	1.76E-02	2.77E-06	9.67E-07
1184	489585.89, 3858826.54	1.06E-02	1.67E-06	5.81E-07	1.14E-02	1.79E-06	6.24E-07	1.74E-02	2.74E-06	9.54E-07
1185	489635.89, 3858826.54	1.04E-02	1.64E-06	5.72E-07	1.12E-02	1.76E-06	6.14E-07	1.72E-02	2.70E-06	9.41E-07
1186	489685.89, 3858826.54	1.02E-02	1.61E-06	5.63E-07	1.10E-02	1.74E-06	6.05E-07	1.69E-02	2.67E-06	9.29E-07
1187	489735.89, 3858826.54	1.01E-02	1.59E-06	5.54E-07	1.09E-02	1.71E-06	5.96E-07	1.67E-02	2.63E-06	9.18E-07
1188	489785.89, 3858826.54	9.94E-03	1.57E-06	5.46E-07	1.07E-02	1.68E-06	5.87E-07	1.65E-02	2.60E-06	9.07E-07
1189	489835.89, 3858826.54	9.80E-03	1.54E-06	5.38E-07	1.05E-02	1.66E-06	5.79E-07	1.63E-02	2.57E-06	8.96E-07
1190	489885.89, 3858826.54	9.67E-03	1.52E-06	5.30E-07	1.04E-02	1.64E-06	5.71E-07	1.61E-02	2.54E-06	8.85E-07
1191	489935.89, 3858826.54	9.53E-03	1.50E-06	5.23E-07	1.03E-02	1.62E-06	5.63E-07	1.59E-02	2.51E-06	8.75E-07
1192	489985.89, 3858826.54	9.41E-03	1.48E-06	5.16E-07	1.01E-02	1.60E-06	5.56E-07	1.58E-02	2.48E-06	8.65E-07
1193	490035.89, 3858826.54	9.29E-03	1.46E-06	5.10E-07	1.00E-02	1.58E-06	5.49E-07	1.56E-02	2.45E-06	8.55E-07
1194	489285.89, 3858876.54	1.12E-02	1.77E-06	6.17E-07	1.20E-02	1.89E-06	6.60E-07	1.78E-02	2.81E-06	9.78E-07
1195	489335.89, 3858876.54	1.10E-02	1.73E-06	6.02E-07	1.17E-02	1.85E-06	6.45E-07	1.75E-02	2.76E-06	9.62E-07
1196	489385.89, 3858876.54	1.07E-02	1.69E-06	5.89E-07	1.15E-02	1.81E-06	6.31E-07	1.73E-02	2.72E-06	9.48E-07
1197	489435.89, 3858876.54	1.05E-02	1.66E-06	5.78E-07	1.13E-02	1.78E-06	6.19E-07	1.70E-02	2.68E-06	9.35E-07
1198	489485.89, 3858876.54	1.03E-02	1.63E-06	5.67E-07	1.11E-02	1.75E-06	6.09E-07	1.68E-02	2.65E-06	9.23E-07
1199	489535.89, 3858876.54	1.02E-02	1.60E-06	5.58E-07	1.09E-02	1.72E-06	5.99E-07	1.66E-02	2.62E-06	9.11E-07
1200	489585.89, 3858876.54	1.00E-02	1.58E-06	5.49E-07	1.07E-02	1.69E-06	5.90E-07	1.64E-02	2.58E-06	9.01E-07
1201	489635.89, 3858876.54	9.86E-03	1.55E-06	5.41E-07	1.06E-02	1.67E-06	5.81E-07	1.62E-02	2.55E-06	8.90E-07
1202	489685.89, 3858876.54	9.71E-03	1.53E-06	5.33E-07	1.04E-02	1.64E-06	5.73E-07	1.60E-02	2.53E-06	8.80E-07
1203	489735.89, 3858876.54	9.58E-03	1.51E-06	5.26E-07	1.03E-02	1.62E-06	5.65E-07	1.59E-02	2.50E-06	8.70E-07
1204	489785.89, 3858876.54	9.45E-03	1.49E-06	5.19E-07	1.02E-02	1.60E-06	5.58E-07	1.57E-02	2.47E-06	8.61E-07
1205	489835.89, 3858876.54	9.33E-03	1.47E-06	5.12E-07	1.00E-02	1.58E-06	5.51E-07	1.55E-02	2.44E-06	8.52E-07
1206	489885.89, 3858876.54	9.21E-03	1.45E-06	5.05E-07	9.90E-03	1.56E-06	5.43E-07	1.53E-02	2.42E-06	8.42E-07
1207	489935.89, 3858876.54	9.09E-03	1.43E-06	4.99E-07	9.78E-03	1.54E-06	5.37E-07	1.52E-02	2.39E-06	8.33E-07
1208	489985.89, 3858876.54	8.98E-03	1.41E-06	4.93E-07	9.67E-03	1.52E-06	5.31E-07	1.50E-02	2.37E-06	8.25E-07
1209	490035.89, 3858876.54	8.88E-03	1.40E-06	4.87E-07	9.55E-03	1.51E-06	5.24E-07	1.49E-02	2.34E-06	8.17E-07
1210	489285.89, 3858926.54	1.04E-02	1.64E-06	5.71E-07	1.11E-02	1.75E-06	6.11E-07	1.65E-02	2.60E-06	9.07E-07
1211	489335.89, 3858926.54	1.02E-02	1.61E-06	5.60E-07	1.09E-02	1.72E-06	5.99E-07	1.63E-02	2.57E-06	8.96E-07
1212	489385.89, 3858926.54	1.00E-02	1.58E-06	5.50E-07	1.07E-02	1.69E-06	5.89E-07	1.61E-02	2.54E-06	8.86E-07

1213	489435.89, 3858926.54	9.85E-03	1.55E-06	5.41E-07	1.06E-02	1.66E-06	5.80E-07	1.60E-02	2.51E-06	8.76E-07
1214	489485.89, 3858926.54	9.70E-03	1.53E-06	5.32E-07	1.04E-02	1.64E-06	5.71E-07	1.58E-02	2.49E-06	8.66E-07
1215	489535.89, 3858926.54	9.56E-03	1.51E-06	5.25E-07	1.03E-02	1.62E-06	5.63E-07	1.56E-02	2.46E-06	8.57E-07
1216	489585.89, 3858926.54	9.43E-03	1.48E-06	5.17E-07	1.01E-02	1.59E-06	5.55E-07	1.55E-02	2.44E-06	8.49E-07
1217	489635.89, 3858926.54	9.30E-03	1.47E-06	5.11E-07	9.99E-03	1.57E-06	5.48E-07	1.53E-02	2.41E-06	8.40E-07
1218	489685.89, 3858926.54	9.19E-03	1.45E-06	5.04E-07	9.87E-03	1.55E-06	5.42E-07	1.52E-02	2.39E-06	8.32E-07
1219	489735.89, 3858926.54	9.07E-03	1.43E-06	4.98E-07	9.75E-03	1.54E-06	5.35E-07	1.50E-02	2.37E-06	8.24E-07
1220	489785.89, 3858926.54	8.96E-03	1.41E-06	4.92E-07	9.64E-03	1.52E-06	5.29E-07	1.49E-02	2.34E-06	8.16E-07
1221	489835.89, 3858926.54	8.86E-03	1.40E-06	4.86E-07	9.53E-03	1.50E-06	5.23E-07	1.47E-02	2.32E-06	8.09E-07
1222	489885.89, 3858926.54	8.76E-03	1.38E-06	4.81E-07	9.42E-03	1.48E-06	5.17E-07	1.46E-02	2.30E-06	8.01E-07
1223	489935.89, 3858926.54	8.66E-03	1.36E-06	4.75E-07	9.32E-03	1.47E-06	5.11E-07	1.45E-02	2.28E-06	7.93E-07
1224	489985.89, 3858926.54	8.56E-03	1.35E-06	4.70E-07	9.22E-03	1.45E-06	5.06E-07	1.43E-02	2.26E-06	7.86E-07
1225	490035.89, 3858926.54	8.47E-03	1.33E-06	4.65E-07	9.12E-03	1.44E-06	5.01E-07	1.42E-02	2.24E-06	7.80E-07
1226	489335.89, 3858976.54	9.41E-03	1.48E-06	5.17E-07	1.01E-02	1.59E-06	5.53E-07	1.51E-02	2.39E-06	8.31E-07
1227	489385.89, 3858976.54	9.29E-03	1.46E-06	5.10E-07	9.96E-03	1.57E-06	5.47E-07	1.50E-02	2.37E-06	8.25E-07
1228	489435.89, 3858976.54	9.17E-03	1.45E-06	5.04E-07	9.84E-03	1.55E-06	5.40E-07	1.49E-02	2.35E-06	8.18E-07
1229	489485.89, 3858976.54	9.06E-03	1.43E-06	4.98E-07	9.73E-03	1.53E-06	5.34E-07	1.48E-02	2.33E-06	8.12E-07
1230	489535.89, 3858976.54	8.96E-03	1.41E-06	4.92E-07	9.62E-03	1.52E-06	5.28E-07	1.47E-02	2.31E-06	8.05E-07
1231	489585.89, 3858976.54	8.86E-03	1.40E-06	4.86E-07	9.51E-03	1.50E-06	5.22E-07	1.46E-02	2.29E-06	7.99E-07
1232	489635.89, 3858976.54	8.76E-03	1.38E-06	4.81E-07	9.41E-03	1.48E-06	5.17E-07	1.44E-02	2.27E-06	7.92E-07
1233	489685.89, 3858976.54	8.67E-03	1.37E-06	4.76E-07	9.32E-03	1.47E-06	5.11E-07	1.43E-02	2.26E-06	7.86E-07
1234	489735.89, 3858976.54	8.58E-03	1.35E-06	4.71E-07	9.22E-03	1.45E-06	5.06E-07	1.42E-02	2.24E-06	7.80E-07
1235	489785.89, 3858976.54	8.49E-03	1.34E-06	4.66E-07	9.13E-03	1.44E-06	5.01E-07	1.41E-02	2.22E-06	7.73E-07
1236	489835.89, 3858976.54	8.40E-03	1.32E-06	4.61E-07	9.03E-03	1.42E-06	4.96E-07	1.40E-02	2.20E-06	7.67E-07
1237	489885.89, 3858976.54	8.32E-03	1.31E-06	4.57E-07	8.95E-03	1.41E-06	4.91E-07	1.39E-02	2.18E-06	7.61E-07
1238	489935.89, 3858976.54	8.24E-03	1.30E-06	4.52E-07	8.87E-03	1.40E-06	4.87E-07	1.38E-02	2.17E-06	7.55E-07
1239	489985.89, 3858976.54	8.16E-03	1.29E-06	4.48E-07	8.78E-03	1.38E-06	4.82E-07	1.36E-02	2.15E-06	7.49E-07
1240	490035.89, 3858976.54	8.09E-03	1.27E-06	4.44E-07	8.71E-03	1.37E-06	4.78E-07	1.36E-02	2.14E-06	7.45E-07
1241	489385.89, 3859026.54	8.60E-03	1.35E-06	4.72E-07	9.22E-03	1.45E-06	5.06E-07	1.40E-02	2.20E-06	7.67E-07
1242	489435.89, 3859026.54	8.53E-03	1.34E-06	4.68E-07	9.15E-03	1.44E-06	5.02E-07	1.39E-02	2.19E-06	7.63E-07
1243	489485.89, 3859026.54	8.46E-03	1.33E-06	4.64E-07	9.08E-03	1.43E-06	4.98E-07	1.38E-02	2.18E-06	7.60E-07
1244	489535.89, 3859026.54	8.38E-03	1.32E-06	4.60E-07	9.00E-03	1.42E-06	4.94E-07	1.38E-02	2.17E-06	7.56E-07
1245	489585.89, 3859026.54	8.31E-03	1.31E-06	4.56E-07	8.93E-03	1.41E-06	4.90E-07	1.37E-02	2.16E-06	7.51E-07
1246	489635.89, 3859026.54	8.24E-03	1.30E-06	4.52E-07	8.86E-03	1.40E-06	4.86E-07	1.36E-02	2.14E-06	7.47E-07
1247	489685.89, 3859026.54	8.17E-03	1.29E-06	4.48E-07	8.78E-03	1.38E-06	4.82E-07	1.35E-02	2.13E-06	7.42E-07
1248	489735.89, 3859026.54	8.10E-03	1.28E-06	4.45E-07	8.71E-03	1.37E-06	4.78E-07	1.34E-02	2.12E-06	7.37E-07
1249	489785.89, 3859026.54	8.03E-03	1.26E-06	4.41E-07	8.63E-03	1.36E-06	4.74E-07	1.33E-02	2.10E-06	7.32E-07
1250	489835.89, 3859026.54	7.96E-03	1.25E-06	4.37E-07	8.57E-03	1.35E-06	4.70E-07	1.33E-02	2.09E-06	7.28E-07
1251	489885.89, 3859026.54	7.90E-03	1.24E-06	4.33E-07	8.50E-03	1.34E-06	4.66E-07	1.32E-02	2.08E-06	7.23E-07
1252	489935.89, 3859026.54	7.83E-03	1.23E-06	4.30E-07	8.43E-03	1.33E-06	4.63E-07	1.31E-02	2.06E-06	7.18E-07
1253	489985.89, 3859026.54	7.77E-03	1.22E-06	4.26E-07	8.36E-03	1.32E-06	4.59E-07	1.30E-02	2.05E-06	7.14E-07
1254	490035.89, 3859026.54	7.71E-03	1.21E-06	4.23E-07	8.30E-03	1.31E-06	4.56E-07	1.29E-02	2.04E-06	7.10E-07
1255	489485.89, 3859076.54	7.88E-03	1.24E-06	4.32E-07	8.46E-03	1.33E-06	4.64E-07	1.29E-02	2.04E-06	7.10E-07
1256	489535.89, 3859076.54	7.84E-03	1.23E-06	4.30E-07	8.42E-03	1.33E-06	4.62E-07	1.29E-02	2.03E-06	7.09E-07
1257	489585.89, 3859076.54	7.79E-03	1.23E-06	4.28E-07	8.37E-03	1.32E-06	4.60E-07	1.29E-02	2.03E-06	7.06E-07
1258	489635.89, 3859076.54	7.74E-03	1.22E-06	4.25E-07	8.32E-03	1.31E-06	4.57E-07	1.28E-02	2.02E-06	7.03E-07
1259	489685.89, 3859076.54	7.69E-03	1.21E-06	4.22E-07	8.27E-03	1.30E-06	4.54E-07	1.28E-02	2.01E-06	7.00E-07
1260	489735.89, 3859076.54	7.64E-03	1.20E-06	4.19E-07	8.22E-03	1.29E-06	4.51E-07	1.27E-02	2.00E-06	6.97E-07
1261	489785.89, 3859076.54	7.59E-03	1.20E-06	4.17E-07	8.16E-03	1.29E-06	4.48E-07	1.26E-02	1.99E-06	6.93E-07
1262	489835.89, 3859076.54	7.54E-03	1.19E-06	4.14E-07	8.11E-03	1.28E-06	4.45E-07	1.26E-02	1.98E-06	6.90E-07
1263	489885.89, 3859076.54	7.49E-03	1.18E-06	4.11E-07	8.06E-03	1.27E-06	4.42E-07	1.25E-02	1.97E-06	6.86E-07
1264	489935.89, 3859076.54	7.44E-03	1.17E-06	4.08E-07	8.01E-03	1.26E-06	4.39E-07	1.24E-02	1.96E-06	6.83E-07
1265	489985.89, 3859076.54	7.39E-03	1.16E-06	4.06E-07	7.95E-03	1.25E-06	4.37E-07	1.24E-02	1.95E-06	6.79E-07
1266	490035.89, 3859076.54	7.35E-03	1.16E-06	4.03E-07	7.91E-03	1.25E-06	4.34E-07	1.23E-02	1.94E-06	6.77E-07
1267	489585.89, 3859126.54	7.30E-03	1.15E-06	4.01E-07	7.85E-03	1.24E-06	4.31E-07	1.21E-02	1.90E-06	6.63E-07
1268	489635.89, 3859126.54	7.27E-03	1.15E-06	3.99E-07	7.82E-03	1.23E-06	4.29E-07	1.21E-02	1.90E-06	6.62E-07
1269	489685.89, 3859126.54	7.24E-03	1.14E-06	3.97E-07	7.79E-03	1.23E-06	4.27E-07	1.20E-02	1.90E-06	6.60E-07
1270	489735.89, 3859126.54	7.21E-03	1.14E-06	3.96E-07	7.75E-03	1.22E-06	4.26E-07	1.20E-02	1.89E-06	6.58E-07
1271	489785.89, 3859126.54	7.17E-03	1.13E-06	3.94E-07	7.72E-03	1.22E-06	4.23E-07	1.20E-02	1.88E-06	6.56E-07
1272	489835.89, 3859126.54	7.14E-03	1.12E-06	3.92E-07	7.68E-03	1.21E-06	4.21E-07	1.19E-02	1.88E-06	6.54E-07
1273	489885.89, 3859126.54	7.10E-03	1.12E-06	3.90E-07	7.64E-03	1.20E-06	4.19E-07	1.19E-02	1.87E-06	6.52E-07
1274	489935.89, 3859126.54	7.06E-03	1.11E-06	3.88E-07	7.60E-03	1.20E-06	4.17E-07	1.18E-02	1.86E-06	6.49E-07
1275	489985.89, 3859126.54	7.03E-03	1.11E-06	3.86E-07	7.57E-03	1.19E-06	4.15E-07	1.18E-02	1.86E-06	6.47E-07
1276	490035.89, 3859126.54	6.99E-03	1.10E-06	3.84E-07	7.53E-03	1.19E-06	4.13E-07	1.17E-02	1.85E-06	6.45E-07

1277	489585.89, 3859176.54	6.84E-03	1.08E-06	3.76E-07	7.36E-03	1.16E-06	4.04E-07	1.14E-02	1.79E-06	6.23E-07
1278	489635.89, 3859176.54	6.83E-03	1.08E-06	3.75E-07	7.35E-03	1.16E-06	4.03E-07	1.14E-02	1.79E-06	6.23E-07
1279	489685.89, 3859176.54	6.81E-03	1.07E-06	3.74E-07	7.33E-03	1.15E-06	4.02E-07	1.13E-02	1.79E-06	6.23E-07
1280	489735.89, 3859176.54	6.80E-03	1.07E-06	3.73E-07	7.31E-03	1.15E-06	4.01E-07	1.13E-02	1.78E-06	6.22E-07
1281	489785.89, 3859176.54	6.78E-03	1.07E-06	3.72E-07	7.29E-03	1.15E-06	4.00E-07	1.13E-02	1.78E-06	6.21E-07
1282	489835.89, 3859176.54	6.75E-03	1.06E-06	3.71E-07	7.27E-03	1.15E-06	3.99E-07	1.13E-02	1.78E-06	6.20E-07
1283	489885.89, 3859176.54	6.73E-03	1.06E-06	3.69E-07	7.25E-03	1.14E-06	3.98E-07	1.13E-02	1.78E-06	6.18E-07
1284	489935.89, 3859176.54	6.70E-03	1.06E-06	3.68E-07	7.22E-03	1.14E-06	3.96E-07	1.12E-02	1.77E-06	6.17E-07
1285	489985.89, 3859176.54	6.68E-03	1.05E-06	3.67E-07	7.20E-03	1.13E-06	3.95E-07	1.12E-02	1.77E-06	6.16E-07
1286	490035.89, 3859176.54	6.65E-03	1.05E-06	3.65E-07	7.16E-03	1.13E-06	3.93E-07	1.12E-02	1.76E-06	6.14E-07
1287	489685.89, 3859226.54	6.42E-03	1.01E-06	3.52E-07	6.90E-03	1.09E-06	3.79E-07	1.07E-02	1.69E-06	5.87E-07
1288	489735.89, 3859226.54	6.41E-03	1.01E-06	3.52E-07	6.90E-03	1.09E-06	3.78E-07	1.07E-02	1.69E-06	5.87E-07
1289	489785.89, 3859226.54	6.40E-03	1.01E-06	3.51E-07	6.89E-03	1.09E-06	3.78E-07	1.07E-02	1.69E-06	5.87E-07
1290	489835.89, 3859226.54	6.39E-03	1.01E-06	3.51E-07	6.88E-03	1.08E-06	3.78E-07	1.07E-02	1.69E-06	5.87E-07
1291	489885.89, 3859226.54	6.38E-03	1.01E-06	3.50E-07	6.87E-03	1.08E-06	3.77E-07	1.07E-02	1.68E-06	5.87E-07
1292	489935.89, 3859226.54	6.37E-03	1.00E-06	3.49E-07	6.85E-03	1.08E-06	3.76E-07	1.07E-02	1.68E-06	5.86E-07
1293	489985.89, 3859226.54	6.35E-03	1.00E-06	3.49E-07	6.84E-03	1.08E-06	3.76E-07	1.07E-02	1.68E-06	5.86E-07
1294	490035.89, 3859226.54	6.33E-03	9.97E-07	3.48E-07	6.82E-03	1.07E-06	3.74E-07	1.07E-02	1.68E-06	5.85E-07
1295	489735.89, 3859276.54	6.04E-03	9.52E-07	3.32E-07	6.51E-03	1.02E-06	3.57E-07	1.01E-02	1.59E-06	5.55E-07
1296	489785.89, 3859276.54	6.05E-03	9.53E-07	3.32E-07	6.51E-03	1.03E-06	3.57E-07	1.01E-02	1.59E-06	5.56E-07
1297	489835.89, 3859276.54	6.05E-03	9.53E-07	3.32E-07	6.51E-03	1.03E-06	3.57E-07	1.01E-02	1.60E-06	5.57E-07
1298	489885.89, 3859276.54	6.05E-03	9.53E-07	3.32E-07	6.51E-03	1.03E-06	3.57E-07	1.01E-02	1.60E-06	5.57E-07
1299	489935.89, 3859276.54	6.04E-03	9.52E-07	3.32E-07	6.51E-03	1.03E-06	3.57E-07	1.02E-02	1.60E-06	5.57E-07
1300	489985.89, 3859276.54	6.04E-03	9.52E-07	3.32E-07	6.51E-03	1.03E-06	3.57E-07	1.02E-02	1.60E-06	5.58E-07
1301	490035.89, 3859276.54	6.02E-03	9.49E-07	3.31E-07	6.49E-03	1.02E-06	3.56E-07	1.01E-02	1.60E-06	5.57E-07
1302	490458.06, 3859590.74	4.48E-03	7.06E-07	2.46E-07	4.83E-03	7.61E-07	2.65E-07	7.60E-03	1.20E-06	4.17E-07
1303	490508.06, 3859590.74	4.49E-03	7.08E-07	2.47E-07	4.85E-03	7.63E-07	2.66E-07	7.62E-03	1.20E-06	4.18E-07
1304	490558.06, 3859590.74	4.50E-03	7.09E-07	2.47E-07	4.85E-03	7.65E-07	2.66E-07	7.64E-03	1.20E-06	4.19E-07
1305	490608.06, 3859590.74	4.51E-03	7.10E-07	2.47E-07	4.86E-03	7.66E-07	2.67E-07	7.66E-03	1.21E-06	4.20E-07
1306	490658.06, 3859590.74	4.51E-03	7.10E-07	2.48E-07	4.86E-03	7.66E-07	2.67E-07	7.67E-03	1.21E-06	4.21E-07
1307	490708.06, 3859590.74	4.51E-03	7.10E-07	2.48E-07	4.86E-03	7.66E-07	2.67E-07	7.67E-03	1.21E-06	4.21E-07
1308	490758.06, 3859590.74	4.51E-03	7.10E-07	2.47E-07	4.86E-03	7.66E-07	2.67E-07	7.67E-03	1.21E-06	4.21E-07
1309	490808.06, 3859590.74	4.50E-03	7.09E-07	2.47E-07	4.85E-03	7.65E-07	2.66E-07	7.67E-03	1.21E-06	4.21E-07
1310	490858.06, 3859590.74	4.49E-03	7.07E-07	2.46E-07	4.84E-03	7.63E-07	2.66E-07	7.66E-03	1.21E-06	4.20E-07
1311	490458.06, 3859640.74	4.28E-03	6.75E-07	2.35E-07	4.62E-03	7.27E-07	2.53E-07	7.26E-03	1.14E-06	3.98E-07
1312	490508.06, 3859640.74	4.30E-03	6.77E-07	2.36E-07	4.63E-03	7.30E-07	2.54E-07	7.29E-03	1.15E-06	4.00E-07
1313	490558.06, 3859640.74	4.31E-03	6.79E-07	2.37E-07	4.65E-03	7.32E-07	2.55E-07	7.32E-03	1.15E-06	4.01E-07
1314	490608.06, 3859640.74	4.32E-03	6.81E-07	2.37E-07	4.66E-03	7.34E-07	2.56E-07	7.34E-03	1.16E-06	4.03E-07
1315	490658.06, 3859640.74	4.33E-03	6.83E-07	2.38E-07	4.67E-03	7.36E-07	2.56E-07	7.37E-03	1.16E-06	4.04E-07
1316	490708.06, 3859640.74	4.34E-03	6.83E-07	2.38E-07	4.68E-03	7.37E-07	2.57E-07	7.38E-03	1.16E-06	4.05E-07
1317	490758.06, 3859640.74	4.34E-03	6.84E-07	2.38E-07	4.68E-03	7.37E-07	2.57E-07	7.39E-03	1.16E-06	4.06E-07
1318	490808.06, 3859640.74	4.34E-03	6.83E-07	2.38E-07	4.68E-03	7.37E-07	2.57E-07	7.39E-03	1.16E-06	4.06E-07
1319	490858.06, 3859640.74	4.33E-03	6.83E-07	2.38E-07	4.67E-03	7.36E-07	2.57E-07	7.39E-03	1.16E-06	4.05E-07
1320	490608.06, 3859690.74	4.14E-03	6.53E-07	2.27E-07	4.47E-03	7.04E-07	2.45E-07	7.04E-03	1.11E-06	3.86E-07
1321	490658.06, 3859690.74	4.16E-03	6.55E-07	2.28E-07	4.49E-03	7.07E-07	2.46E-07	7.07E-03	1.11E-06	3.88E-07
1322	490708.06, 3859690.74	4.17E-03	6.57E-07	2.29E-07	4.50E-03	7.08E-07	2.47E-07	7.09E-03	1.12E-06	3.89E-07
1323	490758.06, 3859690.74	4.18E-03	6.58E-07	2.29E-07	4.50E-03	7.09E-07	2.47E-07	7.11E-03	1.12E-06	3.90E-07
1324	490808.06, 3859690.74	4.18E-03	6.58E-07	2.29E-07	4.51E-03	7.10E-07	2.47E-07	7.12E-03	1.12E-06	3.91E-07
1325	490858.06, 3859690.74	4.18E-03	6.58E-07	2.29E-07	4.51E-03	7.10E-07	2.47E-07	7.12E-03	1.12E-06	3.91E-07
1326	490708.06, 3859740.74	4.00E-03	6.30E-07	2.20E-07	4.32E-03	6.80E-07	2.37E-07	6.80E-03	1.07E-06	3.73E-07
1327	490758.06, 3859740.74	4.01E-03	6.32E-07	2.20E-07	4.32E-03	6.81E-07	2.37E-07	6.82E-03	1.07E-06	3.74E-07
1328	490808.06, 3859740.74	4.02E-03	6.33E-07	2.20E-07	4.33E-03	6.82E-07	2.38E-07	6.84E-03	1.08E-06	3.75E-07
1329	490858.06, 3859740.74	4.02E-03	6.33E-07	2.21E-07	4.34E-03	6.83E-07	2.38E-07	6.85E-03	1.08E-06	3.76E-07
1330	490786.56, 3859749.39	3.99E-03	6.28E-07	2.19E-07	4.30E-03	6.77E-07	2.36E-07	6.78E-03	1.07E-06	3.72E-07
1331	490836.56, 3859749.39	3.99E-03	6.29E-07	2.19E-07	4.31E-03	6.78E-07	2.36E-07	6.80E-03	1.07E-06	3.73E-07
1332	490786.56, 3859799.39	3.83E-03	6.03E-07	2.10E-07	4.13E-03	6.50E-07	2.26E-07	6.50E-03	1.02E-06	3.57E-07
1333	490836.56, 3859799.39	3.84E-03	6.04E-07	2.11E-07	4.14E-03	6.52E-07	2.27E-07	6.53E-03	1.03E-06	3.58E-07
1334	492307.84, 3854508.36	3.98E-03	6.27E-07	2.19E-07	4.30E-03	6.77E-07	2.36E-07	6.85E-03	1.08E-06	3.76E-07
1335	486445.7, 3854753.6	7.94E-03	1.25E-06	4.36E-07	8.57E-03	1.35E-06	4.70E-07	1.35E-02	2.13E-06	7.43E-07
1336	472599.75, 3877830.11	1.33E-04	2.10E-08	7.32E-09	1.44E-04	2.26E-08	7.88E-09	2.24E-04	3.54E-08	1.23E-08
1337	493107.48, 3866840.19	4.00E-04	6.30E-08	2.19E-08	4.31E-04	6.79E-08	2.37E-08	6.83E-04	1.08E-07	3.75E-08
1338	495815.8, 3861662.87	1.45E-03	2.29E-07	7.97E-08	1.57E-03	2.47E-07	8.60E-08	2.50E-03	3.94E-07	1.37E-07
1339	480272.33, 3841389.2	4.10E-05	6.46E-09	2.25E-09	4.42E-05	6.97E-09	2.43E-09	6.98E-05	1.10E-08	3.83E-09
1340	497005.18, 3862813.64	1.03E-03	1.63E-07	5.67E-08	1.12E-03	1.76E-07	6.13E-08	1.78E-03	2.80E-07	9.76E-08

1341	493677.33, 3860302.55	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.50E-07	1.57E-07	4.55E-03	7.16E-07	2.50E-07
1342	493727.33, 3860302.55	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
1343	493777.33, 3860302.55	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.12E-07	2.48E-07
1344	493827.33, 3860302.55	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.51E-03	7.10E-07	2.47E-07
1345	493877.33, 3860302.55	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
1346	493927.33, 3860302.55	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.47E-03	7.05E-07	2.45E-07
1347	493977.33, 3860302.55	2.60E-03	4.09E-07	1.42E-07	2.80E-03	4.42E-07	1.54E-07	4.46E-03	7.03E-07	2.45E-07
1348	494027.33, 3860302.55	2.59E-03	4.08E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.45E-03	7.01E-07	2.44E-07
1349	493677.33, 3860352.55	2.60E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.02E-07	2.45E-07
1350	493727.33, 3860352.55	2.59E-03	4.07E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.44E-03	7.00E-07	2.44E-07
1351	493777.33, 3860352.55	2.58E-03	4.06E-07	1.41E-07	2.78E-03	4.38E-07	1.53E-07	4.43E-03	6.98E-07	2.43E-07
1352	493827.33, 3860352.55	2.57E-03	4.05E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.42E-03	6.96E-07	2.42E-07
1353	493877.33, 3860352.55	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.40E-03	6.94E-07	2.42E-07
1354	493927.33, 3860352.55	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.35E-07	1.51E-07	4.39E-03	6.92E-07	2.41E-07
1355	493977.33, 3860352.55	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.38E-03	6.90E-07	2.40E-07
1356	494027.33, 3860352.55	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.50E-07	4.37E-03	6.88E-07	2.40E-07
1357	493677.33, 3860402.55	2.54E-03	4.00E-07	1.40E-07	2.74E-03	4.32E-07	1.51E-07	4.37E-03	6.88E-07	2.40E-07
1358	493727.33, 3860402.55	2.53E-03	3.99E-07	1.39E-07	2.74E-03	4.31E-07	1.50E-07	4.35E-03	6.86E-07	2.39E-07
1359	493777.33, 3860402.55	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.35E-03	6.85E-07	2.39E-07
1360	493827.33, 3860402.55	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.33E-03	6.82E-07	2.38E-07
1361	493877.33, 3860402.55	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.32E-03	6.80E-07	2.37E-07
1362	493927.33, 3860402.55	2.51E-03	3.95E-07	1.38E-07	2.71E-03	4.26E-07	1.49E-07	4.31E-03	6.79E-07	2.36E-07
1363	493977.33, 3860402.55	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
1364	494027.33, 3860402.55	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.29E-03	6.75E-07	2.35E-07
1365	493677.33, 3860452.55	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.28E-03	6.75E-07	2.35E-07
1366	493727.33, 3860452.55	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.26E-03	6.72E-07	2.34E-07
1367	493777.33, 3860452.55	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.25E-03	6.70E-07	2.33E-07
1368	493827.33, 3860452.55	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.24E-03	6.69E-07	2.33E-07
1369	493877.33, 3860452.55	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.67E-07	2.32E-07
1370	493927.33, 3860452.55	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.66E-07	2.32E-07
1371	493977.33, 3860452.55	2.45E-03	3.86E-07	1.35E-07	2.65E-03	4.17E-07	1.45E-07	4.22E-03	6.64E-07	2.31E-07
1372	494027.33, 3860452.55	2.45E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.20E-03	6.62E-07	2.31E-07
1373	493677.33, 3860502.55	2.44E-03	3.85E-07	1.34E-07	2.64E-03	4.15E-07	1.45E-07	4.20E-03	6.61E-07	2.30E-07
1374	493727.33, 3860502.55	2.43E-03	3.83E-07	1.34E-07	2.63E-03	4.14E-07	1.44E-07	4.18E-03	6.59E-07	2.29E-07
1375	493777.33, 3860502.55	2.43E-03	3.82E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.17E-03	6.57E-07	2.29E-07
1376	493827.33, 3860502.55	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.12E-07	1.43E-07	4.16E-03	6.55E-07	2.28E-07
1377	493877.33, 3860502.55	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.11E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
1378	493927.33, 3860502.55	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.15E-03	6.53E-07	2.28E-07
1379	493977.33, 3860502.55	2.40E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.42E-07	4.13E-03	6.51E-07	2.27E-07
1380	494027.33, 3860502.55	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.12E-03	6.49E-07	2.26E-07
1381	493627.33, 3860552.55	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.12E-03	6.49E-07	2.26E-07
1382	493677.33, 3860552.55	2.39E-03	3.77E-07	1.31E-07	2.58E-03	4.07E-07	1.42E-07	4.11E-03	6.47E-07	2.25E-07
1383	493727.33, 3860552.55	2.38E-03	3.75E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.09E-03	6.45E-07	2.25E-07
1384	493777.33, 3860552.55	2.38E-03	3.75E-07	1.30E-07	2.57E-03	4.04E-07	1.41E-07	4.08E-03	6.43E-07	2.24E-07
1385	493827.33, 3860552.55	2.37E-03	3.74E-07	1.30E-07	2.56E-03	4.04E-07	1.41E-07	4.08E-03	6.43E-07	2.24E-07
1386	493877.33, 3860552.55	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.40E-07	4.07E-03	6.41E-07	2.23E-07
1387	493927.33, 3860552.55	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.06E-03	6.40E-07	2.23E-07
1388	493977.33, 3860552.55	2.36E-03	3.72E-07	1.29E-07	2.55E-03	4.01E-07	1.40E-07	4.05E-03	6.39E-07	2.23E-07
1389	494027.33, 3860552.55	2.35E-03	3.70E-07	1.29E-07	2.54E-03	4.00E-07	1.39E-07	4.04E-03	6.37E-07	2.22E-07
1390	493627.33, 3860602.55	2.35E-03	3.70E-07	1.29E-07	2.54E-03	4.00E-07	1.39E-07	4.04E-03	6.36E-07	2.21E-07
1391	493727.33, 3860602.55	2.33E-03	3.67E-07	1.28E-07	2.52E-03	3.96E-07	1.38E-07	4.00E-03	6.31E-07	2.20E-07
1392	493777.33, 3860602.55	2.33E-03	3.67E-07	1.28E-07	2.52E-03	3.96E-07	1.38E-07	4.00E-03	6.30E-07	2.20E-07
1393	493827.33, 3860602.55	2.32E-03	3.66E-07	1.28E-07	2.51E-03	3.95E-07	1.38E-07	3.99E-03	6.29E-07	2.19E-07
1394	493877.33, 3860602.55	2.32E-03	3.66E-07	1.27E-07	2.51E-03	3.95E-07	1.38E-07	3.99E-03	6.29E-07	2.19E-07
1395	493927.33, 3860602.55	2.32E-03	3.65E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.98E-03	6.27E-07	2.19E-07
1396	493977.33, 3860602.55	2.31E-03	3.64E-07	1.27E-07	2.50E-03	3.93E-07	1.37E-07	3.98E-03	6.26E-07	2.18E-07
1397	494027.33, 3860602.55	2.31E-03	3.63E-07	1.27E-07	2.49E-03	3.92E-07	1.37E-07	3.96E-03	6.24E-07	2.17E-07
1398	493627.33, 3860652.55	2.30E-03	3.62E-07	1.26E-07	2.48E-03	3.91E-07	1.36E-07	3.95E-03	6.22E-07	2.17E-07
1399	493727.33, 3860652.55	2.28E-03	3.60E-07	1.25E-07	2.46E-03	3.88E-07	1.35E-07	3.92E-03	6.18E-07	2.15E-07
1400	493777.33, 3860652.55	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.88E-07	1.35E-07	3.92E-03	6.17E-07	2.15E-07
1401	493827.33, 3860652.55	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.91E-03	6.17E-07	2.15E-07
1402	493877.33, 3860652.55	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.91E-03	6.16E-07	2.15E-07
1403	493927.33, 3860652.55	2.27E-03	3.58E-07	1.25E-07	2.45E-03	3.86E-07	1.35E-07	3.90E-03	6.15E-07	2.14E-07
1404	493977.33, 3860652.55	2.27E-03	3.57E-07	1.24E-07	2.45E-03	3.86E-07	1.34E-07	3.90E-03	6.14E-07	2.14E-07

1405	494027.33, 3860652.55	2.26E-03	3.57E-07	1.24E-07	2.44E-03	3.85E-07	1.34E-07	3.89E-03	6.13E-07	2.14E-07
1406	494311.06, 3858401.99	2.58E-03	4.06E-07	1.41E-07	2.78E-03	4.38E-07	1.53E-07	4.43E-03	6.98E-07	2.43E-07
1407	494361.06, 3858401.99	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.31E-07	1.50E-07	4.35E-03	6.85E-07	2.39E-07
1408	494411.06, 3858401.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
1409	494461.06, 3858401.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.23E-07	1.47E-07	4.27E-03	6.73E-07	2.34E-07
1410	494511.06, 3858401.99	2.45E-03	3.86E-07	1.34E-07	2.65E-03	4.17E-07	1.45E-07	4.21E-03	6.64E-07	2.31E-07
1411	494561.06, 3858401.99	2.43E-03	3.83E-07	1.34E-07	2.63E-03	4.14E-07	1.44E-07	4.18E-03	6.59E-07	2.30E-07
1412	494611.06, 3858401.99	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.12E-03	6.50E-07	2.26E-07
1413	494661.06, 3858401.99	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.41E-07	4.08E-03	6.42E-07	2.24E-07
1414	494711.06, 3858401.99	2.33E-03	3.67E-07	1.28E-07	2.51E-03	3.96E-07	1.38E-07	4.00E-03	6.30E-07	2.20E-07
1415	494761.06, 3858401.99	2.31E-03	3.63E-07	1.27E-07	2.49E-03	3.92E-07	1.37E-07	3.96E-03	6.24E-07	2.17E-07
1416	494811.06, 3858401.99	2.27E-03	3.58E-07	1.25E-07	2.45E-03	3.87E-07	1.35E-07	3.91E-03	6.16E-07	2.14E-07
1417	494861.06, 3858401.99	2.24E-03	3.54E-07	1.23E-07	2.42E-03	3.82E-07	1.33E-07	3.86E-03	6.08E-07	2.12E-07
1418	494911.06, 3858401.99	2.22E-03	3.49E-07	1.22E-07	2.39E-03	3.77E-07	1.31E-07	3.81E-03	6.00E-07	2.09E-07
1419	494961.06, 3858401.99	2.19E-03	3.45E-07	1.20E-07	2.36E-03	3.72E-07	1.30E-07	3.76E-03	5.92E-07	2.06E-07
1420	495011.06, 3858401.99	2.15E-03	3.39E-07	1.18E-07	2.32E-03	3.66E-07	1.27E-07	3.70E-03	5.82E-07	2.03E-07
1421	495061.06, 3858401.99	2.12E-03	3.34E-07	1.16E-07	2.29E-03	3.61E-07	1.26E-07	3.64E-03	5.74E-07	2.00E-07
1422	495111.06, 3858401.99	2.07E-03	3.26E-07	1.13E-07	2.23E-03	3.52E-07	1.22E-07	3.55E-03	5.60E-07	1.95E-07
1423	495161.06, 3858401.99	2.06E-03	3.24E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.53E-03	5.57E-07	1.94E-07
1424	495211.06, 3858401.99	2.01E-03	3.17E-07	1.10E-07	2.17E-03	3.42E-07	1.19E-07	3.45E-03	5.44E-07	1.90E-07
1425	495261.06, 3858401.99	1.98E-03	3.13E-07	1.09E-07	2.14E-03	3.38E-07	1.18E-07	3.41E-03	5.37E-07	1.87E-07
1426	495311.06, 3858401.99	1.96E-03	3.09E-07	1.07E-07	2.11E-03	3.33E-07	1.16E-07	3.36E-03	5.30E-07	1.85E-07
1427	495361.06, 3858401.99	1.94E-03	3.06E-07	1.06E-07	2.09E-03	3.30E-07	1.15E-07	3.33E-03	5.25E-07	1.83E-07
1428	495411.06, 3858401.99	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.31E-03	5.22E-07	1.82E-07
1429	495461.06, 3858401.99	1.92E-03	3.03E-07	1.05E-07	2.07E-03	3.27E-07	1.14E-07	3.30E-03	5.20E-07	1.81E-07
1430	495511.06, 3858401.99	1.91E-03	3.01E-07	1.05E-07	2.06E-03	3.25E-07	1.13E-07	3.28E-03	5.17E-07	1.80E-07
1431	495561.06, 3858401.99	1.89E-03	2.97E-07	1.03E-07	2.04E-03	3.21E-07	1.12E-07	3.24E-03	5.10E-07	1.78E-07
1432	495611.06, 3858401.99	1.88E-03	2.95E-07	1.03E-07	2.03E-03	3.19E-07	1.11E-07	3.22E-03	5.08E-07	1.77E-07
1433	495661.06, 3858401.99	1.89E-03	2.97E-07	1.04E-07	2.04E-03	3.21E-07	1.12E-07	3.24E-03	5.11E-07	1.78E-07
1434	494311.06, 3858451.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.12E-07	2.48E-07
1435	494361.06, 3858451.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.45E-03	7.01E-07	2.44E-07
1436	494411.06, 3858451.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.40E-03	6.93E-07	2.41E-07
1437	494461.06, 3858451.99	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.35E-03	6.85E-07	2.39E-07
1438	494511.06, 3858451.99	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.32E-03	6.80E-07	2.37E-07
1439	494561.06, 3858451.99	2.48E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.26E-03	6.71E-07	2.34E-07
1440	494611.06, 3858451.99	2.45E-03	3.86E-07	1.34E-07	2.65E-03	4.17E-07	1.45E-07	4.21E-03	6.63E-07	2.31E-07
1441	494661.06, 3858451.99	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.12E-07	1.43E-07	4.16E-03	6.55E-07	2.28E-07
1442	494711.06, 3858451.99	2.38E-03	3.76E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.10E-03	6.46E-07	2.25E-07
1443	494761.06, 3858451.99	2.35E-03	3.70E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.04E-03	6.36E-07	2.21E-07
1444	494811.06, 3858451.99	2.32E-03	3.65E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.98E-03	6.27E-07	2.19E-07
1445	494861.06, 3858451.99	2.28E-03	3.60E-07	1.25E-07	2.47E-03	3.88E-07	1.35E-07	3.93E-03	6.18E-07	2.15E-07
1446	494911.06, 3858451.99	2.24E-03	3.53E-07	1.23E-07	2.42E-03	3.82E-07	1.33E-07	3.85E-03	6.07E-07	2.12E-07
1447	494961.06, 3858451.99	2.21E-03	3.48E-07	1.21E-07	2.38E-03	3.76E-07	1.31E-07	3.80E-03	5.98E-07	2.08E-07
1448	495011.06, 3858451.99	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.69E-07	1.29E-07	3.73E-03	5.87E-07	2.05E-07
1449	495061.06, 3858451.99	2.15E-03	3.39E-07	1.18E-07	2.32E-03	3.66E-07	1.27E-07	3.70E-03	5.82E-07	2.03E-07
1450	495111.06, 3858451.99	2.11E-03	3.33E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.63E-03	5.72E-07	1.99E-07
1451	495161.06, 3858451.99	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.56E-03	5.60E-07	1.95E-07
1452	495211.06, 3858451.99	2.03E-03	3.20E-07	1.11E-07	2.19E-03	3.46E-07	1.20E-07	3.49E-03	5.50E-07	1.92E-07
1453	495261.06, 3858451.99	2.01E-03	3.16E-07	1.10E-07	2.17E-03	3.41E-07	1.19E-07	3.45E-03	5.43E-07	1.89E-07
1454	495311.06, 3858451.99	1.99E-03	3.13E-07	1.09E-07	2.14E-03	3.38E-07	1.18E-07	3.41E-03	5.37E-07	1.87E-07
1455	495361.06, 3858451.99	1.97E-03	3.10E-07	1.08E-07	2.12E-03	3.35E-07	1.17E-07	3.38E-03	5.33E-07	1.86E-07
1456	495411.06, 3858451.99	1.96E-03	3.09E-07	1.08E-07	2.12E-03	3.33E-07	1.16E-07	3.37E-03	5.30E-07	1.85E-07
1457	495461.06, 3858451.99	1.95E-03	3.08E-07	1.07E-07	2.11E-03	3.32E-07	1.16E-07	3.36E-03	5.29E-07	1.84E-07
1458	495511.06, 3858451.99	1.93E-03	3.04E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.32E-03	5.23E-07	1.82E-07
1459	495561.06, 3858451.99	1.93E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.32E-03	5.23E-07	1.82E-07
1460	495611.06, 3858451.99	1.91E-03	3.01E-07	1.05E-07	2.06E-03	3.25E-07	1.13E-07	3.28E-03	5.17E-07	1.80E-07
1461	495661.06, 3858451.99	1.91E-03	3.00E-07	1.05E-07	2.06E-03	3.24E-07	1.13E-07	3.27E-03	5.16E-07	1.80E-07
1462	494311.06, 3858501.99	2.64E-03	4.15E-07	1.45E-07	2.85E-03	4.48E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
1463	494361.06, 3858501.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
1464	494411.06, 3858501.99	2.58E-03	4.06E-07	1.42E-07	2.79E-03	4.39E-07	1.53E-07	4.44E-03	6.99E-07	2.43E-07
1465	494461.06, 3858501.99	2.56E-03	4.03E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.40E-03	6.94E-07	2.42E-07
1466	494511.06, 3858501.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.34E-03	6.83E-07	2.38E-07
1467	494561.06, 3858501.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.50E-07	4.34E-03	6.83E-07	2.38E-07
1468	494611.06, 3858501.99	2.49E-03	3.92E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.28E-03	6.74E-07	2.35E-07

1469	494661.06, 3858501.99	2.47E-03	3.89E-07	1.35E-07	2.66E-03	4.20E-07	1.46E-07	4.24E-03	6.68E-07	2.33E-07
1470	494711.06, 3858501.99	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
1471	494761.06, 3858501.99	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.41E-07	4.10E-03	6.47E-07	2.25E-07
1472	494811.06, 3858501.99	2.35E-03	3.70E-07	1.29E-07	2.54E-03	3.99E-07	1.39E-07	4.04E-03	6.36E-07	2.22E-07
1473	494861.06, 3858501.99	2.32E-03	3.66E-07	1.27E-07	2.51E-03	3.95E-07	1.38E-07	3.99E-03	6.29E-07	2.19E-07
1474	494911.06, 3858501.99	2.27E-03	3.57E-07	1.25E-07	2.45E-03	3.86E-07	1.34E-07	3.90E-03	6.14E-07	2.14E-07
1475	494961.06, 3858501.99	2.24E-03	3.53E-07	1.23E-07	2.42E-03	3.81E-07	1.33E-07	3.85E-03	6.07E-07	2.11E-07
1476	495011.06, 3858501.99	2.20E-03	3.46E-07	1.21E-07	2.37E-03	3.74E-07	1.30E-07	3.77E-03	5.95E-07	2.07E-07
1477	495061.06, 3858501.99	2.18E-03	3.43E-07	1.19E-07	2.35E-03	3.70E-07	1.29E-07	3.74E-03	5.89E-07	2.05E-07
1478	495111.06, 3858501.99	2.12E-03	3.34E-07	1.16E-07	2.29E-03	3.61E-07	1.26E-07	3.65E-03	5.75E-07	2.00E-07
1479	495161.06, 3858501.99	2.09E-03	3.29E-07	1.15E-07	2.25E-03	3.55E-07	1.24E-07	3.59E-03	5.65E-07	1.97E-07
1480	495211.06, 3858501.99	2.05E-03	3.23E-07	1.13E-07	2.22E-03	3.49E-07	1.22E-07	3.53E-03	5.56E-07	1.94E-07
1481	495261.06, 3858501.99	2.03E-03	3.20E-07	1.11E-07	2.19E-03	3.45E-07	1.20E-07	3.49E-03	5.49E-07	1.91E-07
1482	495311.06, 3858501.99	2.01E-03	3.17E-07	1.11E-07	2.17E-03	3.43E-07	1.19E-07	3.46E-03	5.45E-07	1.90E-07
1483	495361.06, 3858501.99	2.00E-03	3.15E-07	1.10E-07	2.16E-03	3.40E-07	1.19E-07	3.44E-03	5.41E-07	1.89E-07
1484	495411.06, 3858501.99	1.99E-03	3.14E-07	1.09E-07	2.15E-03	3.39E-07	1.18E-07	3.42E-03	5.39E-07	1.88E-07
1485	495461.06, 3858501.99	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.41E-03	5.36E-07	1.87E-07
1486	495511.06, 3858501.99	1.97E-03	3.10E-07	1.08E-07	2.13E-03	3.35E-07	1.17E-07	3.38E-03	5.33E-07	1.86E-07
1487	495561.06, 3858501.99	1.97E-03	3.10E-07	1.08E-07	2.13E-03	3.35E-07	1.17E-07	3.38E-03	5.33E-07	1.86E-07
1488	495611.06, 3858501.99	1.94E-03	3.06E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.34E-03	5.26E-07	1.83E-07
1489	495661.06, 3858501.99	1.94E-03	3.06E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.34E-03	5.26E-07	1.83E-07
1490	494311.06, 3858551.99	2.59E-03	4.08E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.45E-03	7.01E-07	2.44E-07
1491	494361.06, 3858551.99	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.47E-03	7.05E-07	2.46E-07
1492	494411.06, 3858551.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.50E-03	7.10E-07	2.47E-07
1493	494461.06, 3858551.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
1494	494511.06, 3858551.99	2.59E-03	4.08E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.45E-03	7.01E-07	2.44E-07
1495	494561.06, 3858551.99	2.57E-03	4.05E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
1496	494611.06, 3858551.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.51E-07	4.37E-03	6.88E-07	2.40E-07
1497	494661.06, 3858551.99	2.52E-03	3.96E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.33E-03	6.82E-07	2.37E-07
1498	494711.06, 3858551.99	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.25E-03	6.70E-07	2.33E-07
1499	494761.06, 3858551.99	2.43E-03	3.83E-07	1.33E-07	2.63E-03	4.14E-07	1.44E-07	4.18E-03	6.59E-07	2.29E-07
1500	494811.06, 3858551.99	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.13E-03	6.50E-07	2.26E-07
1501	494861.06, 3858551.99	2.36E-03	3.72E-07	1.29E-07	2.55E-03	4.01E-07	1.40E-07	4.05E-03	6.39E-07	2.22E-07
1502	494911.06, 3858551.99	2.31E-03	3.64E-07	1.27E-07	2.50E-03	3.93E-07	1.37E-07	3.97E-03	6.26E-07	2.18E-07
1503	494961.06, 3858551.99	2.27E-03	3.58E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.91E-03	6.16E-07	2.15E-07
1504	495011.06, 3858551.99	2.23E-03	3.51E-07	1.22E-07	2.41E-03	3.79E-07	1.32E-07	3.83E-03	6.03E-07	2.10E-07
1505	495061.06, 3858551.99	2.20E-03	3.46E-07	1.21E-07	2.37E-03	3.74E-07	1.30E-07	3.78E-03	5.96E-07	2.07E-07
1506	495111.06, 3858551.99	2.14E-03	3.38E-07	1.18E-07	2.32E-03	3.65E-07	1.27E-07	3.68E-03	5.80E-07	2.02E-07
1507	495161.06, 3858551.99	2.11E-03	3.32E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.62E-03	5.71E-07	1.99E-07
1508	495211.06, 3858551.99	2.08E-03	3.27E-07	1.14E-07	2.24E-03	3.53E-07	1.23E-07	3.57E-03	5.62E-07	1.96E-07
1509	495261.06, 3858551.99	2.06E-03	3.24E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.53E-03	5.57E-07	1.94E-07
1510	495311.06, 3858551.99	2.04E-03	3.22E-07	1.12E-07	2.21E-03	3.48E-07	1.21E-07	3.51E-03	5.53E-07	1.93E-07
1511	495361.06, 3858551.99	2.03E-03	3.20E-07	1.11E-07	2.19E-03	3.45E-07	1.20E-07	3.49E-03	5.50E-07	1.92E-07
1512	495411.06, 3858551.99	2.02E-03	3.19E-07	1.11E-07	2.19E-03	3.44E-07	1.20E-07	3.48E-03	5.48E-07	1.91E-07
1513	495461.06, 3858551.99	2.01E-03	3.17E-07	1.10E-07	2.17E-03	3.42E-07	1.19E-07	3.46E-03	5.45E-07	1.90E-07
1514	495511.06, 3858551.99	2.01E-03	3.16E-07	1.10E-07	2.17E-03	3.41E-07	1.19E-07	3.45E-03	5.43E-07	1.89E-07
1515	495561.06, 3858551.99	2.00E-03	3.14E-07	1.10E-07	2.16E-03	3.40E-07	1.18E-07	3.43E-03	5.40E-07	1.88E-07
1516	495611.06, 3858551.99	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.41E-03	5.37E-07	1.87E-07
1517	495661.06, 3858551.99	1.97E-03	3.10E-07	1.08E-07	2.12E-03	3.35E-07	1.17E-07	3.38E-03	5.32E-07	1.85E-07
1518	494311.06, 3858601.99	2.47E-03	3.89E-07	1.35E-07	2.67E-03	4.20E-07	1.46E-07	4.24E-03	6.68E-07	2.33E-07
1519	494361.06, 3858601.99	2.58E-03	4.07E-07	1.42E-07	2.79E-03	4.39E-07	1.53E-07	4.44E-03	7.00E-07	2.44E-07
1520	494411.06, 3858601.99	2.67E-03	4.21E-07	1.47E-07	2.89E-03	4.55E-07	1.58E-07	4.60E-03	7.24E-07	2.52E-07
1521	494461.06, 3858601.99	2.66E-03	4.19E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.21E-07	2.51E-07
1522	494511.06, 3858601.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.11E-07	2.48E-07
1523	494561.06, 3858601.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.12E-07	2.48E-07
1524	494611.06, 3858601.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.53E-07	4.45E-03	7.02E-07	2.44E-07
1525	494661.06, 3858601.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.41E-03	6.94E-07	2.42E-07
1526	494711.06, 3858601.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.50E-07	4.34E-03	6.83E-07	2.38E-07
1527	494761.06, 3858601.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.27E-03	6.72E-07	2.34E-07
1528	494811.06, 3858601.99	2.42E-03	3.82E-07	1.33E-07	2.62E-03	4.12E-07	1.44E-07	4.17E-03	6.56E-07	2.29E-07
1529	494861.06, 3858601.99	2.39E-03	3.77E-07	1.31E-07	2.58E-03	4.07E-07	1.42E-07	4.11E-03	6.48E-07	2.26E-07
1530	494911.06, 3858601.99	2.34E-03	3.68E-07	1.28E-07	2.52E-03	3.98E-07	1.39E-07	4.02E-03	6.33E-07	2.21E-07
1531	494961.06, 3858601.99	2.30E-03	3.62E-07	1.26E-07	2.48E-03	3.91E-07	1.36E-07	3.95E-03	6.23E-07	2.17E-07
1532	495011.06, 3858601.99	2.26E-03	3.56E-07	1.24E-07	2.44E-03	3.85E-07	1.34E-07	3.89E-03	6.12E-07	2.13E-07

1533	495061.06, 3858601.99	2.22E-03	3.50E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.82E-03	6.01E-07	2.10E-07
1534	495111.06, 3858601.99	2.16E-03	3.41E-07	1.19E-07	2.34E-03	3.68E-07	1.28E-07	3.72E-03	5.86E-07	2.04E-07
1535	495161.06, 3858601.99	2.13E-03	3.36E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.66E-03	5.77E-07	2.01E-07
1536	495211.06, 3858601.99	2.11E-03	3.32E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.63E-03	5.71E-07	1.99E-07
1537	495261.06, 3858601.99	2.09E-03	3.29E-07	1.14E-07	2.25E-03	3.55E-07	1.24E-07	3.59E-03	5.65E-07	1.97E-07
1538	495311.06, 3858601.99	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.56E-03	5.60E-07	1.95E-07
1539	495361.06, 3858601.99	2.06E-03	3.24E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.54E-03	5.57E-07	1.94E-07
1540	495411.06, 3858601.99	2.05E-03	3.23E-07	1.12E-07	2.21E-03	3.48E-07	1.21E-07	3.52E-03	5.55E-07	1.93E-07
1541	495461.06, 3858601.99	2.04E-03	3.21E-07	1.12E-07	2.20E-03	3.47E-07	1.21E-07	3.51E-03	5.52E-07	1.92E-07
1542	495511.06, 3858601.99	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.48E-03	5.48E-07	1.91E-07
1543	495561.06, 3858601.99	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.20E-07	3.47E-03	5.47E-07	1.90E-07
1544	495611.06, 3858601.99	2.00E-03	3.15E-07	1.10E-07	2.16E-03	3.40E-07	1.18E-07	3.43E-03	5.41E-07	1.88E-07
1545	495661.06, 3858601.99	1.99E-03	3.14E-07	1.09E-07	2.15E-03	3.39E-07	1.18E-07	3.42E-03	5.39E-07	1.88E-07
1546	494311.06, 3858651.99	2.44E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.20E-03	6.61E-07	2.30E-07
1547	494361.06, 3858651.99	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.35E-07	1.51E-07	4.39E-03	6.92E-07	2.41E-07
1548	494411.06, 3858651.99	2.69E-03	4.24E-07	1.48E-07	2.90E-03	4.58E-07	1.59E-07	4.63E-03	7.29E-07	2.54E-07
1549	494461.06, 3858651.99	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.65E-03	7.33E-07	2.55E-07
1550	494511.06, 3858651.99	2.68E-03	4.22E-07	1.47E-07	2.90E-03	4.56E-07	1.59E-07	4.61E-03	7.26E-07	2.53E-07
1551	494561.06, 3858651.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.22E-07	2.52E-07
1552	494611.06, 3858651.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.50E-07	1.57E-07	4.55E-03	7.16E-07	2.50E-07
1553	494661.06, 3858651.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
1554	494711.06, 3858651.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.41E-03	6.94E-07	2.42E-07
1555	494761.06, 3858651.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.34E-03	6.84E-07	2.38E-07
1556	494811.06, 3858651.99	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.25E-03	6.70E-07	2.33E-07
1557	494861.06, 3858651.99	2.42E-03	3.82E-07	1.33E-07	2.62E-03	4.12E-07	1.44E-07	4.17E-03	6.57E-07	2.29E-07
1558	494911.06, 3858651.99	2.37E-03	3.74E-07	1.30E-07	2.56E-03	4.03E-07	1.41E-07	4.08E-03	6.42E-07	2.24E-07
1559	494961.06, 3858651.99	2.32E-03	3.66E-07	1.28E-07	2.51E-03	3.95E-07	1.38E-07	4.00E-03	6.29E-07	2.19E-07
1560	495011.06, 3858651.99	2.29E-03	3.60E-07	1.26E-07	2.47E-03	3.89E-07	1.36E-07	3.93E-03	6.20E-07	2.16E-07
1561	495061.06, 3858651.99	2.25E-03	3.54E-07	1.23E-07	2.43E-03	3.82E-07	1.33E-07	3.86E-03	6.08E-07	2.12E-07
1562	495111.06, 3858651.99	2.20E-03	3.46E-07	1.21E-07	2.37E-03	3.74E-07	1.30E-07	3.78E-03	5.95E-07	2.07E-07
1563	495161.06, 3858651.99	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.69E-07	1.29E-07	3.73E-03	5.87E-07	2.05E-07
1564	495211.06, 3858651.99	2.13E-03	3.36E-07	1.17E-07	2.30E-03	3.63E-07	1.26E-07	3.67E-03	5.78E-07	2.01E-07
1565	495261.06, 3858651.99	2.12E-03	3.34E-07	1.16E-07	2.29E-03	3.61E-07	1.26E-07	3.65E-03	5.75E-07	2.00E-07
1566	495311.06, 3858651.99	2.10E-03	3.31E-07	1.15E-07	2.27E-03	3.58E-07	1.25E-07	3.62E-03	5.70E-07	1.98E-07
1567	495361.06, 3858651.99	2.09E-03	3.30E-07	1.15E-07	2.26E-03	3.56E-07	1.24E-07	3.60E-03	5.67E-07	1.97E-07
1568	495411.06, 3858651.99	2.08E-03	3.28E-07	1.14E-07	2.25E-03	3.55E-07	1.24E-07	3.58E-03	5.65E-07	1.97E-07
1569	495461.06, 3858651.99	2.08E-03	3.28E-07	1.14E-07	2.25E-03	3.54E-07	1.23E-07	3.58E-03	5.64E-07	1.96E-07
1570	495511.06, 3858651.99	2.06E-03	3.25E-07	1.13E-07	2.23E-03	3.51E-07	1.22E-07	3.54E-03	5.58E-07	1.94E-07
1571	495561.06, 3858651.99	2.05E-03	3.22E-07	1.12E-07	2.21E-03	3.48E-07	1.21E-07	3.52E-03	5.54E-07	1.93E-07
1572	495611.06, 3858651.99	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.47E-03	5.47E-07	1.91E-07
1573	495661.06, 3858651.99	2.01E-03	3.17E-07	1.11E-07	2.17E-03	3.42E-07	1.19E-07	3.46E-03	5.45E-07	1.90E-07
1574	494311.06, 3858701.99	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.25E-03	6.70E-07	2.33E-07
1575	494361.06, 3858701.99	2.63E-03	4.15E-07	1.45E-07	2.84E-03	4.48E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
1576	494411.06, 3858701.99	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.64E-07	1.62E-07	4.69E-03	7.39E-07	2.58E-07
1577	494461.06, 3858701.99	2.73E-03	4.29E-07	1.50E-07	2.94E-03	4.64E-07	1.62E-07	4.69E-03	7.39E-07	2.57E-07
1578	494511.06, 3858701.99	2.72E-03	4.29E-07	1.50E-07	2.94E-03	4.63E-07	1.61E-07	4.69E-03	7.38E-07	2.57E-07
1579	494561.06, 3858701.99	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.65E-03	7.32E-07	2.55E-07
1580	494611.06, 3858701.99	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.50E-07	1.57E-07	4.55E-03	7.17E-07	2.50E-07
1581	494661.06, 3858701.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.54E-03	7.15E-07	2.49E-07
1582	494711.06, 3858701.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.34E-03	6.84E-07	2.38E-07
1583	494761.06, 3858701.99	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.38E-03	6.90E-07	2.40E-07
1584	494811.06, 3858701.99	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.29E-03	6.75E-07	2.35E-07
1585	494861.06, 3858701.99	2.45E-03	3.86E-07	1.34E-07	2.65E-03	4.17E-07	1.45E-07	4.21E-03	6.64E-07	2.31E-07
1586	494911.06, 3858701.99	2.41E-03	3.80E-07	1.32E-07	2.61E-03	4.10E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
1587	494961.06, 3858701.99	2.34E-03	3.69E-07	1.28E-07	2.53E-03	3.98E-07	1.39E-07	4.02E-03	6.34E-07	2.21E-07
1588	495011.06, 3858701.99	2.30E-03	3.62E-07	1.26E-07	2.48E-03	3.91E-07	1.36E-07	3.95E-03	6.22E-07	2.17E-07
1589	495061.06, 3858701.99	2.27E-03	3.58E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.91E-03	6.16E-07	2.15E-07
1590	495111.06, 3858701.99	2.22E-03	3.50E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.82E-03	6.02E-07	2.10E-07
1591	495161.06, 3858701.99	2.20E-03	3.46E-07	1.21E-07	2.37E-03	3.74E-07	1.30E-07	3.78E-03	5.95E-07	2.07E-07
1592	495211.06, 3858701.99	2.16E-03	3.41E-07	1.19E-07	2.34E-03	3.68E-07	1.28E-07	3.72E-03	5.86E-07	2.04E-07
1593	495261.06, 3858701.99	2.15E-03	3.39E-07	1.18E-07	2.32E-03	3.66E-07	1.28E-07	3.70E-03	5.83E-07	2.03E-07
1594	495311.06, 3858701.99	2.14E-03	3.38E-07	1.18E-07	2.31E-03	3.65E-07	1.27E-07	3.68E-03	5.80E-07	2.02E-07
1595	495361.06, 3858701.99	2.13E-03	3.35E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.66E-03	5.76E-07	2.01E-07
1596	495411.06, 3858701.99	2.12E-03	3.35E-07	1.17E-07	2.29E-03	3.61E-07	1.26E-07	3.65E-03	5.75E-07	2.00E-07

1597	495461.06, 3858701.99	2.11E-03	3.33E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.63E-03	5.72E-07	1.99E-07
1598	495511.06, 3858701.99	2.10E-03	3.30E-07	1.15E-07	2.26E-03	3.57E-07	1.24E-07	3.60E-03	5.68E-07	1.98E-07
1599	495561.06, 3858701.99	2.08E-03	3.27E-07	1.14E-07	2.24E-03	3.53E-07	1.23E-07	3.57E-03	5.62E-07	1.96E-07
1600	495611.06, 3858701.99	2.06E-03	3.24E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.53E-03	5.57E-07	1.94E-07
1601	495661.06, 3858701.99	2.04E-03	3.22E-07	1.12E-07	2.21E-03	3.47E-07	1.21E-07	3.51E-03	5.53E-07	1.93E-07
1602	494311.06, 3858751.99	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.28E-07	1.49E-07	4.32E-03	6.81E-07	2.37E-07
1603	494361.06, 3858751.99	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.65E-03	7.32E-07	2.55E-07
1604	494411.06, 3858751.99	2.77E-03	4.37E-07	1.52E-07	3.00E-03	4.72E-07	1.64E-07	4.77E-03	7.52E-07	2.62E-07
1605	494461.06, 3858751.99	2.77E-03	4.36E-07	1.52E-07	2.99E-03	4.71E-07	1.64E-07	4.77E-03	7.51E-07	2.62E-07
1606	494511.06, 3858751.99	2.78E-03	4.38E-07	1.52E-07	3.00E-03	4.73E-07	1.65E-07	4.78E-03	7.53E-07	2.62E-07
1607	494561.06, 3858751.99	2.74E-03	4.32E-07	1.50E-07	2.96E-03	4.66E-07	1.62E-07	4.71E-03	7.43E-07	2.59E-07
1608	494611.06, 3858751.99	2.69E-03	4.24E-07	1.48E-07	2.91E-03	4.58E-07	1.60E-07	4.63E-03	7.30E-07	2.54E-07
1609	494661.06, 3858751.99	2.66E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.22E-07	2.51E-07
1610	494711.06, 3858751.99	2.60E-03	4.09E-07	1.42E-07	2.80E-03	4.42E-07	1.54E-07	4.47E-03	7.03E-07	2.45E-07
1611	494761.06, 3858751.99	2.58E-03	4.06E-07	1.42E-07	2.78E-03	4.39E-07	1.53E-07	4.44E-03	6.99E-07	2.43E-07
1612	494811.06, 3858751.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.34E-03	6.83E-07	2.38E-07
1613	494861.06, 3858751.99	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.25E-03	6.69E-07	2.33E-07
1614	494911.06, 3858751.99	2.41E-03	3.80E-07	1.33E-07	2.61E-03	4.11E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
1615	494961.06, 3858751.99	2.37E-03	3.74E-07	1.30E-07	2.56E-03	4.04E-07	1.41E-07	4.08E-03	6.43E-07	2.24E-07
1616	495011.06, 3858751.99	2.35E-03	3.70E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.04E-03	6.36E-07	2.21E-07
1617	495061.06, 3858751.99	2.31E-03	3.63E-07	1.27E-07	2.49E-03	3.92E-07	1.37E-07	3.96E-03	6.24E-07	2.17E-07
1618	495111.06, 3858751.99	2.26E-03	3.56E-07	1.24E-07	2.44E-03	3.84E-07	1.34E-07	3.88E-03	6.11E-07	2.13E-07
1619	495161.06, 3858751.99	2.23E-03	3.51E-07	1.22E-07	2.41E-03	3.79E-07	1.32E-07	3.83E-03	6.04E-07	2.10E-07
1620	495211.06, 3858751.99	2.19E-03	3.46E-07	1.20E-07	2.37E-03	3.73E-07	1.30E-07	3.77E-03	5.94E-07	2.07E-07
1621	495261.06, 3858751.99	2.18E-03	3.44E-07	1.20E-07	2.36E-03	3.71E-07	1.29E-07	3.75E-03	5.91E-07	2.06E-07
1622	495311.06, 3858751.99	2.17E-03	3.42E-07	1.19E-07	2.35E-03	3.70E-07	1.29E-07	3.74E-03	5.89E-07	2.05E-07
1623	495361.06, 3858751.99	2.16E-03	3.40E-07	1.19E-07	2.33E-03	3.67E-07	1.28E-07	3.71E-03	5.85E-07	2.04E-07
1624	495411.06, 3858751.99	2.16E-03	3.40E-07	1.18E-07	2.33E-03	3.67E-07	1.28E-07	3.71E-03	5.84E-07	2.04E-07
1625	495461.06, 3858751.99	2.15E-03	3.38E-07	1.18E-07	2.32E-03	3.65E-07	1.27E-07	3.69E-03	5.81E-07	2.03E-07
1626	495511.06, 3858751.99	2.13E-03	3.35E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.66E-03	5.77E-07	2.01E-07
1627	495561.06, 3858751.99	2.11E-03	3.32E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.63E-03	5.71E-07	1.99E-07
1628	495611.06, 3858751.99	2.09E-03	3.29E-07	1.15E-07	2.26E-03	3.55E-07	1.24E-07	3.59E-03	5.66E-07	1.97E-07
1629	495661.06, 3858751.99	2.07E-03	3.27E-07	1.14E-07	2.24E-03	3.53E-07	1.23E-07	3.57E-03	5.62E-07	1.96E-07
1630	494311.06, 3858801.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.45E-03	7.02E-07	2.44E-07
1631	494361.06, 3858801.99	2.76E-03	4.34E-07	1.51E-07	2.98E-03	4.69E-07	1.63E-07	4.74E-03	7.47E-07	2.60E-07
1632	494411.06, 3858801.99	2.79E-03	4.40E-07	1.53E-07	3.02E-03	4.75E-07	1.66E-07	4.81E-03	7.57E-07	2.64E-07
1633	494461.06, 3858801.99	2.81E-03	4.43E-07	1.54E-07	3.03E-03	4.78E-07	1.66E-07	4.83E-03	7.62E-07	2.65E-07
1634	494511.06, 3858801.99	2.82E-03	4.44E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.85E-03	7.65E-07	2.66E-07
1635	494561.06, 3858801.99	2.80E-03	4.42E-07	1.54E-07	3.03E-03	4.77E-07	1.66E-07	4.82E-03	7.60E-07	2.65E-07
1636	494611.06, 3858801.99	2.77E-03	4.37E-07	1.52E-07	3.00E-03	4.72E-07	1.64E-07	4.77E-03	7.52E-07	2.62E-07
1637	494661.06, 3858801.99	2.73E-03	4.29E-07	1.50E-07	2.94E-03	4.64E-07	1.62E-07	4.69E-03	7.39E-07	2.57E-07
1638	494711.06, 3858801.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.59E-03	7.23E-07	2.52E-07
1639	494761.06, 3858801.99	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.48E-03	7.05E-07	2.46E-07
1640	494811.06, 3858801.99	2.53E-03	3.99E-07	1.39E-07	2.74E-03	4.31E-07	1.50E-07	4.36E-03	6.87E-07	2.39E-07
1641	494861.06, 3858801.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
1642	494911.06, 3858801.99	2.45E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.21E-03	6.62E-07	2.31E-07
1643	494961.06, 3858801.99	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.43E-07	4.14E-03	6.52E-07	2.27E-07
1644	495011.06, 3858801.99	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.06E-03	6.40E-07	2.23E-07
1645	495061.06, 3858801.99	2.34E-03	3.68E-07	1.28E-07	2.52E-03	3.98E-07	1.38E-07	4.02E-03	6.33E-07	2.21E-07
1646	495111.06, 3858801.99	2.28E-03	3.60E-07	1.25E-07	2.47E-03	3.88E-07	1.35E-07	3.92E-03	6.18E-07	2.15E-07
1647	495161.06, 3858801.99	2.24E-03	3.54E-07	1.23E-07	2.42E-03	3.82E-07	1.33E-07	3.86E-03	6.08E-07	2.12E-07
1648	495211.06, 3858801.99	2.22E-03	3.50E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.82E-03	6.02E-07	2.10E-07
1649	495261.06, 3858801.99	2.21E-03	3.49E-07	1.21E-07	2.39E-03	3.76E-07	1.31E-07	3.80E-03	5.99E-07	2.09E-07
1650	495311.06, 3858801.99	2.21E-03	3.48E-07	1.21E-07	2.38E-03	3.75E-07	1.31E-07	3.79E-03	5.97E-07	2.08E-07
1651	495361.06, 3858801.99	2.19E-03	3.46E-07	1.20E-07	2.37E-03	3.73E-07	1.30E-07	3.77E-03	5.94E-07	2.07E-07
1652	495411.06, 3858801.99	2.20E-03	3.46E-07	1.21E-07	2.37E-03	3.74E-07	1.30E-07	3.78E-03	5.95E-07	2.07E-07
1653	495461.06, 3858801.99	2.18E-03	3.44E-07	1.20E-07	2.36E-03	3.71E-07	1.29E-07	3.75E-03	5.91E-07	2.06E-07
1654	495511.06, 3858801.99	2.16E-03	3.41E-07	1.19E-07	2.34E-03	3.68E-07	1.28E-07	3.72E-03	5.86E-07	2.04E-07
1655	495561.06, 3858801.99	2.15E-03	3.38E-07	1.18E-07	2.32E-03	3.65E-07	1.27E-07	3.69E-03	5.81E-07	2.02E-07
1656	495611.06, 3858801.99	2.12E-03	3.34E-07	1.16E-07	2.29E-03	3.61E-07	1.26E-07	3.65E-03	5.74E-07	2.00E-07
1657	495661.06, 3858801.99	2.11E-03	3.32E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.62E-03	5.71E-07	1.99E-07
1658	494311.06, 3858851.99	2.77E-03	4.37E-07	1.52E-07	2.99E-03	4.72E-07	1.64E-07	4.77E-03	7.51E-07	2.62E-07
1659	494361.06, 3858851.99	2.87E-03	4.52E-07	1.57E-07	3.10E-03	4.88E-07	1.70E-07	4.93E-03	7.77E-07	2.71E-07
1660	494411.06, 3858851.99	2.86E-03	4.50E-07	1.57E-07	3.08E-03	4.86E-07	1.69E-07	4.91E-03	7.74E-07	2.70E-07

1661	494461.06, 3858851.99	2.86E-03	4.50E-07	1.57E-07	3.09E-03	4.86E-07	1.69E-07	4.92E-03	7.75E-07	2.70E-07
1662	494511.06, 3858851.99	2.86E-03	4.50E-07	1.57E-07	3.08E-03	4.86E-07	1.69E-07	4.91E-03	7.74E-07	2.70E-07
1663	494561.06, 3858851.99	2.83E-03	4.46E-07	1.56E-07	3.06E-03	4.82E-07	1.68E-07	4.88E-03	7.69E-07	2.68E-07
1664	494611.06, 3858851.99	2.80E-03	4.41E-07	1.53E-07	3.02E-03	4.76E-07	1.66E-07	4.81E-03	7.58E-07	2.64E-07
1665	494661.06, 3858851.99	2.75E-03	4.33E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.73E-03	7.46E-07	2.60E-07
1666	494711.06, 3858851.99	2.68E-03	4.23E-07	1.47E-07	2.90E-03	4.56E-07	1.59E-07	4.62E-03	7.27E-07	2.53E-07
1667	494761.06, 3858851.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.51E-03	7.10E-07	2.47E-07
1668	494811.06, 3858851.99	2.57E-03	4.04E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
1669	494861.06, 3858851.99	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.31E-07	1.50E-07	4.35E-03	6.86E-07	2.39E-07
1670	494911.06, 3858851.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.27E-03	6.73E-07	2.34E-07
1671	494961.06, 3858851.99	2.44E-03	3.85E-07	1.34E-07	2.64E-03	4.15E-07	1.45E-07	4.20E-03	6.61E-07	2.30E-07
1672	495011.06, 3858851.99	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.43E-07	4.14E-03	6.52E-07	2.27E-07
1673	495061.06, 3858851.99	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.40E-07	4.07E-03	6.41E-07	2.23E-07
1674	495111.06, 3858851.99	2.30E-03	3.62E-07	1.26E-07	2.48E-03	3.91E-07	1.36E-07	3.95E-03	6.22E-07	2.17E-07
1675	495161.06, 3858851.99	2.26E-03	3.56E-07	1.24E-07	2.44E-03	3.84E-07	1.34E-07	3.88E-03	6.12E-07	2.13E-07
1676	495211.06, 3858851.99	2.26E-03	3.56E-07	1.24E-07	2.44E-03	3.84E-07	1.34E-07	3.88E-03	6.12E-07	2.13E-07
1677	495261.06, 3858851.99	2.25E-03	3.54E-07	1.23E-07	2.43E-03	3.82E-07	1.33E-07	3.86E-03	6.09E-07	2.12E-07
1678	495311.06, 3858851.99	2.24E-03	3.53E-07	1.23E-07	2.42E-03	3.82E-07	1.33E-07	3.86E-03	6.08E-07	2.12E-07
1679	495361.06, 3858851.99	2.23E-03	3.52E-07	1.23E-07	2.41E-03	3.80E-07	1.32E-07	3.84E-03	6.05E-07	2.11E-07
1680	495411.06, 3858851.99	2.23E-03	3.51E-07	1.22E-07	2.40E-03	3.79E-07	1.32E-07	3.83E-03	6.03E-07	2.10E-07
1681	495461.06, 3858851.99	2.22E-03	3.49E-07	1.22E-07	2.40E-03	3.77E-07	1.31E-07	3.82E-03	6.01E-07	2.09E-07
1682	495511.06, 3858851.99	2.20E-03	3.47E-07	1.21E-07	2.38E-03	3.75E-07	1.31E-07	3.79E-03	5.97E-07	2.08E-07
1683	495561.06, 3858851.99	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.69E-07	1.29E-07	3.73E-03	5.88E-07	2.05E-07
1684	495611.06, 3858851.99	2.14E-03	3.37E-07	1.18E-07	2.31E-03	3.64E-07	1.27E-07	3.68E-03	5.80E-07	2.02E-07
1685	495661.06, 3858851.99	2.14E-03	3.36E-07	1.17E-07	2.31E-03	3.63E-07	1.27E-07	3.67E-03	5.78E-07	2.02E-07
1686	494311.06, 3858901.99	2.84E-03	4.48E-07	1.56E-07	3.07E-03	4.84E-07	1.69E-07	4.90E-03	7.71E-07	2.69E-07
1687	494361.06, 3858901.99	2.91E-03	4.59E-07	1.60E-07	3.15E-03	4.96E-07	1.73E-07	5.02E-03	7.90E-07	2.75E-07
1688	494411.06, 3858901.99	2.92E-03	4.59E-07	1.60E-07	3.15E-03	4.96E-07	1.73E-07	5.02E-03	7.91E-07	2.75E-07
1689	494461.06, 3858901.99	2.92E-03	4.60E-07	1.60E-07	3.16E-03	4.97E-07	1.73E-07	5.03E-03	7.93E-07	2.76E-07
1690	494511.06, 3858901.99	2.91E-03	4.59E-07	1.60E-07	3.15E-03	4.96E-07	1.73E-07	5.02E-03	7.91E-07	2.75E-07
1691	494561.06, 3858901.99	2.88E-03	4.53E-07	1.58E-07	3.11E-03	4.89E-07	1.71E-07	4.95E-03	7.80E-07	2.72E-07
1692	494611.06, 3858901.99	2.81E-03	4.43E-07	1.54E-07	3.03E-03	4.78E-07	1.67E-07	4.84E-03	7.62E-07	2.65E-07
1693	494661.06, 3858901.99	2.77E-03	4.37E-07	1.52E-07	2.99E-03	4.72E-07	1.64E-07	4.77E-03	7.52E-07	2.62E-07
1694	494711.06, 3858901.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.67E-03	7.35E-07	2.56E-07
1695	494761.06, 3858901.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.57E-07	4.54E-03	7.16E-07	2.49E-07
1696	494811.06, 3858901.99	2.60E-03	4.09E-07	1.43E-07	2.81E-03	4.42E-07	1.54E-07	4.47E-03	7.04E-07	2.45E-07
1697	494861.06, 3858901.99	2.57E-03	4.04E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.42E-03	6.96E-07	2.42E-07
1698	494911.06, 3858901.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
1699	494961.06, 3858901.99	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.67E-07	2.32E-07
1700	495011.06, 3858901.99	2.43E-03	3.82E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.17E-03	6.57E-07	2.29E-07
1701	495061.06, 3858901.99	2.37E-03	3.74E-07	1.30E-07	2.56E-03	4.04E-07	1.41E-07	4.08E-03	6.43E-07	2.24E-07
1702	495111.06, 3858901.99	2.30E-03	3.63E-07	1.26E-07	2.49E-03	3.92E-07	1.36E-07	3.96E-03	6.23E-07	2.17E-07
1703	495161.06, 3858901.99	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.88E-07	1.35E-07	3.92E-03	6.17E-07	2.15E-07
1704	495211.06, 3858901.99	2.29E-03	3.61E-07	1.26E-07	2.47E-03	3.90E-07	1.36E-07	3.94E-03	6.21E-07	2.16E-07
1705	495261.06, 3858901.99	2.28E-03	3.60E-07	1.25E-07	2.47E-03	3.89E-07	1.35E-07	3.93E-03	6.19E-07	2.16E-07
1706	495311.06, 3858901.99	2.27E-03	3.58E-07	1.25E-07	2.45E-03	3.87E-07	1.35E-07	3.91E-03	6.16E-07	2.15E-07
1707	495361.06, 3858901.99	2.26E-03	3.56E-07	1.24E-07	2.44E-03	3.85E-07	1.34E-07	3.89E-03	6.13E-07	2.14E-07
1708	495411.06, 3858901.99	2.26E-03	3.56E-07	1.24E-07	2.44E-03	3.85E-07	1.34E-07	3.89E-03	6.13E-07	2.14E-07
1709	495461.06, 3858901.99	2.25E-03	3.54E-07	1.23E-07	2.43E-03	3.82E-07	1.33E-07	3.86E-03	6.09E-07	2.12E-07
1710	495511.06, 3858901.99	2.22E-03	3.50E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.82E-03	6.02E-07	2.10E-07
1711	495561.06, 3858901.99	2.20E-03	3.47E-07	1.21E-07	2.38E-03	3.75E-07	1.31E-07	3.79E-03	5.97E-07	2.08E-07
1712	495611.06, 3858901.99	2.18E-03	3.43E-07	1.19E-07	2.35E-03	3.70E-07	1.29E-07	3.74E-03	5.89E-07	2.05E-07
1713	495661.06, 3858901.99	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.69E-07	1.29E-07	3.73E-03	5.88E-07	2.05E-07
1714	494311.06, 3858951.99	2.96E-03	4.66E-07	1.62E-07	3.19E-03	5.03E-07	1.75E-07	5.09E-03	8.02E-07	2.79E-07
1715	494361.06, 3858951.99	2.98E-03	4.70E-07	1.64E-07	3.22E-03	5.07E-07	1.77E-07	5.13E-03	8.09E-07	2.82E-07
1716	494411.06, 3858951.99	2.95E-03	4.65E-07	1.62E-07	3.19E-03	5.02E-07	1.75E-07	5.09E-03	8.01E-07	2.79E-07
1717	494461.06, 3858951.99	2.96E-03	4.67E-07	1.63E-07	3.20E-03	5.04E-07	1.76E-07	5.10E-03	8.04E-07	2.80E-07
1718	494511.06, 3858951.99	2.94E-03	4.63E-07	1.61E-07	3.18E-03	5.01E-07	1.74E-07	5.07E-03	7.98E-07	2.78E-07
1719	494561.06, 3858951.99	2.90E-03	4.58E-07	1.59E-07	3.14E-03	4.94E-07	1.72E-07	5.00E-03	7.88E-07	2.74E-07
1720	494611.06, 3858951.99	2.85E-03	4.49E-07	1.56E-07	3.08E-03	4.85E-07	1.69E-07	4.91E-03	7.73E-07	2.69E-07
1721	494661.06, 3858951.99	2.80E-03	4.41E-07	1.54E-07	3.02E-03	4.76E-07	1.66E-07	4.82E-03	7.59E-07	2.64E-07
1722	494711.06, 3858951.99	2.73E-03	4.29E-07	1.50E-07	2.94E-03	4.64E-07	1.62E-07	4.69E-03	7.39E-07	2.57E-07
1723	494761.06, 3858951.99	2.67E-03	4.21E-07	1.47E-07	2.89E-03	4.55E-07	1.58E-07	4.60E-03	7.25E-07	2.52E-07
1724	494811.06, 3858951.99	2.64E-03	4.15E-07	1.45E-07	2.85E-03	4.48E-07	1.56E-07	4.54E-03	7.15E-07	2.49E-07

1725	494861.06, 3858951.99	2.60E-03	4.09E-07	1.43E-07	2.81E-03	4.42E-07	1.54E-07	4.47E-03	7.05E-07	2.45E-07
1726	494911.06, 3858951.99	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.38E-03	6.90E-07	2.40E-07
1727	494961.06, 3858951.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.33E-03	6.83E-07	2.38E-07
1728	495011.06, 3858951.99	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.15E-07	1.45E-07	4.20E-03	6.61E-07	2.30E-07
1729	495061.06, 3858951.99	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.07E-03	6.40E-07	2.23E-07
1730	495111.06, 3858951.99	2.31E-03	3.63E-07	1.27E-07	2.49E-03	3.93E-07	1.37E-07	3.97E-03	6.25E-07	2.18E-07
1731	495161.06, 3858951.99	2.33E-03	3.67E-07	1.28E-07	2.52E-03	3.96E-07	1.38E-07	4.01E-03	6.31E-07	2.20E-07
1732	495211.06, 3858951.99	2.33E-03	3.66E-07	1.28E-07	2.51E-03	3.96E-07	1.38E-07	4.00E-03	6.30E-07	2.20E-07
1733	495261.06, 3858951.99	2.32E-03	3.66E-07	1.27E-07	2.51E-03	3.95E-07	1.38E-07	3.99E-03	6.29E-07	2.19E-07
1734	495311.06, 3858951.99	2.29E-03	3.61E-07	1.26E-07	2.47E-03	3.90E-07	1.36E-07	3.94E-03	6.21E-07	2.16E-07
1735	495361.06, 3858951.99	2.29E-03	3.61E-07	1.26E-07	2.47E-03	3.90E-07	1.36E-07	3.94E-03	6.20E-07	2.16E-07
1736	495411.06, 3858951.99	2.29E-03	3.61E-07	1.26E-07	2.47E-03	3.90E-07	1.36E-07	3.94E-03	6.21E-07	2.16E-07
1737	495461.06, 3858951.99	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.88E-07	1.35E-07	3.92E-03	6.18E-07	2.15E-07
1738	495511.06, 3858951.99	2.28E-03	3.58E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.91E-03	6.17E-07	2.15E-07
1739	495561.06, 3858951.99	2.23E-03	3.52E-07	1.23E-07	2.41E-03	3.80E-07	1.32E-07	3.84E-03	6.06E-07	2.11E-07
1740	495611.06, 3858951.99	2.21E-03	3.48E-07	1.21E-07	2.39E-03	3.76E-07	1.31E-07	3.80E-03	5.99E-07	2.09E-07
1741	495661.06, 3858951.99	2.21E-03	3.48E-07	1.21E-07	2.38E-03	3.76E-07	1.31E-07	3.80E-03	5.98E-07	2.08E-07
1742	494311.06, 3859001.99	3.03E-03	4.78E-07	1.66E-07	3.27E-03	5.16E-07	1.80E-07	5.22E-03	8.23E-07	2.87E-07
1743	494361.06, 3859001.99	3.02E-03	4.76E-07	1.66E-07	3.27E-03	5.15E-07	1.79E-07	5.21E-03	8.21E-07	2.86E-07
1744	494411.06, 3859001.99	3.02E-03	4.75E-07	1.66E-07	3.26E-03	5.14E-07	1.79E-07	5.20E-03	8.19E-07	2.85E-07
1745	494461.06, 3859001.99	3.00E-03	4.72E-07	1.65E-07	3.24E-03	5.10E-07	1.78E-07	5.16E-03	8.14E-07	2.83E-07
1746	494511.06, 3859001.99	2.98E-03	4.69E-07	1.63E-07	3.22E-03	5.07E-07	1.77E-07	5.13E-03	8.08E-07	2.82E-07
1747	494561.06, 3859001.99	2.93E-03	4.61E-07	1.61E-07	3.16E-03	4.98E-07	1.73E-07	5.04E-03	7.94E-07	2.77E-07
1748	494611.06, 3859001.99	2.88E-03	4.53E-07	1.58E-07	3.11E-03	4.89E-07	1.71E-07	4.95E-03	7.80E-07	2.72E-07
1749	494661.06, 3859001.99	2.82E-03	4.44E-07	1.55E-07	3.04E-03	4.79E-07	1.67E-07	4.85E-03	7.64E-07	2.66E-07
1750	494711.06, 3859001.99	2.75E-03	4.32E-07	1.51E-07	2.97E-03	4.67E-07	1.63E-07	4.73E-03	7.45E-07	2.59E-07
1751	494761.06, 3859001.99	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.65E-03	7.33E-07	2.55E-07
1752	494811.06, 3859001.99	2.68E-03	4.22E-07	1.47E-07	2.89E-03	4.56E-07	1.59E-07	4.61E-03	7.26E-07	2.53E-07
1753	494861.06, 3859001.99	2.63E-03	4.15E-07	1.44E-07	2.84E-03	4.48E-07	1.56E-07	4.53E-03	7.13E-07	2.49E-07
1754	494911.06, 3859001.99	2.58E-03	4.07E-07	1.42E-07	2.79E-03	4.39E-07	1.53E-07	4.44E-03	7.00E-07	2.44E-07
1755	494961.06, 3859001.99	2.53E-03	3.99E-07	1.39E-07	2.74E-03	4.31E-07	1.50E-07	4.36E-03	6.87E-07	2.39E-07
1756	495011.06, 3859001.99	2.40E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.42E-07	4.14E-03	6.51E-07	2.27E-07
1757	495061.06, 3859001.99	2.38E-03	3.75E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.09E-03	6.44E-07	2.25E-07
1758	495111.06, 3859001.99	2.32E-03	3.66E-07	1.28E-07	2.51E-03	3.95E-07	1.38E-07	4.00E-03	6.30E-07	2.19E-07
1759	495161.06, 3859001.99	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.07E-03	6.41E-07	2.23E-07
1760	495211.06, 3859001.99	2.35E-03	3.70E-07	1.29E-07	2.54E-03	4.00E-07	1.39E-07	4.04E-03	6.37E-07	2.22E-07
1761	495261.06, 3859001.99	2.35E-03	3.70E-07	1.29E-07	2.54E-03	4.00E-07	1.39E-07	4.04E-03	6.37E-07	2.22E-07
1762	495311.06, 3859001.99	2.33E-03	3.68E-07	1.28E-07	2.52E-03	3.97E-07	1.38E-07	4.02E-03	6.33E-07	2.20E-07
1763	495361.06, 3859001.99	2.33E-03	3.67E-07	1.28E-07	2.52E-03	3.97E-07	1.38E-07	4.01E-03	6.32E-07	2.20E-07
1764	495411.06, 3859001.99	2.32E-03	3.66E-07	1.27E-07	2.51E-03	3.95E-07	1.38E-07	3.99E-03	6.29E-07	2.19E-07
1765	495461.06, 3859001.99	2.32E-03	3.65E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.98E-03	6.27E-07	2.19E-07
1766	495511.06, 3859001.99	2.28E-03	3.60E-07	1.25E-07	2.47E-03	3.88E-07	1.35E-07	3.93E-03	6.19E-07	2.16E-07
1767	495561.06, 3859001.99	2.27E-03	3.57E-07	1.24E-07	2.45E-03	3.85E-07	1.34E-07	3.90E-03	6.14E-07	2.14E-07
1768	495611.06, 3859001.99	2.24E-03	3.54E-07	1.23E-07	2.42E-03	3.82E-07	1.33E-07	3.86E-03	6.08E-07	2.12E-07
1769	495661.06, 3859001.99	2.26E-03	3.55E-07	1.24E-07	2.44E-03	3.84E-07	1.34E-07	3.88E-03	6.11E-07	2.13E-07
1770	494311.06, 3859051.99	3.08E-03	4.86E-07	1.69E-07	3.33E-03	5.25E-07	1.83E-07	5.31E-03	8.37E-07	2.92E-07
1771	494361.06, 3859051.99	3.09E-03	4.86E-07	1.69E-07	3.33E-03	5.25E-07	1.83E-07	5.31E-03	8.37E-07	2.92E-07
1772	494411.06, 3859051.99	3.06E-03	4.82E-07	1.68E-07	3.30E-03	5.20E-07	1.81E-07	5.27E-03	8.30E-07	2.89E-07
1773	494461.06, 3859051.99	3.02E-03	4.76E-07	1.66E-07	3.27E-03	5.15E-07	1.79E-07	5.21E-03	8.21E-07	2.86E-07
1774	494511.06, 3859051.99	2.98E-03	4.70E-07	1.64E-07	3.22E-03	5.07E-07	1.77E-07	5.13E-03	8.09E-07	2.82E-07
1775	494561.06, 3859051.99	2.94E-03	4.64E-07	1.62E-07	3.18E-03	5.01E-07	1.74E-07	5.07E-03	7.99E-07	2.78E-07
1776	494611.06, 3859051.99	2.89E-03	4.56E-07	1.59E-07	3.13E-03	4.92E-07	1.72E-07	4.98E-03	7.85E-07	2.73E-07
1777	494661.06, 3859051.99	2.84E-03	4.47E-07	1.56E-07	3.07E-03	4.83E-07	1.68E-07	4.89E-03	7.70E-07	2.68E-07
1778	494711.06, 3859051.99	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.80E-03	7.56E-07	2.64E-07
1779	494761.06, 3859051.99	2.74E-03	4.31E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.71E-03	7.42E-07	2.59E-07
1780	494811.06, 3859051.99	2.70E-03	4.25E-07	1.48E-07	2.92E-03	4.59E-07	1.60E-07	4.65E-03	7.32E-07	2.55E-07
1781	494861.06, 3859051.99	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.53E-07	1.58E-07	4.58E-03	7.22E-07	2.51E-07
1782	494911.06, 3859051.99	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.48E-03	7.06E-07	2.46E-07
1783	494961.06, 3859051.99	2.52E-03	3.96E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.33E-03	6.82E-07	2.38E-07
1784	495011.06, 3859051.99	2.45E-03	3.86E-07	1.35E-07	2.65E-03	4.17E-07	1.45E-07	4.22E-03	6.65E-07	2.32E-07
1785	495061.06, 3859051.99	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.15E-03	6.53E-07	2.28E-07
1786	495111.06, 3859051.99	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.42E-07	4.11E-03	6.47E-07	2.25E-07
1787	495161.06, 3859051.99	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.43E-07	4.14E-03	6.52E-07	2.27E-07
1788	495211.06, 3859051.99	2.38E-03	3.75E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.09E-03	6.45E-07	2.25E-07

1789	495261.06, 3859051.99	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.41E-07	4.10E-03	6.47E-07	2.25E-07
1790	495311.06, 3859051.99	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.40E-07	4.07E-03	6.42E-07	2.24E-07
1791	495361.06, 3859051.99	2.36E-03	3.72E-07	1.29E-07	2.55E-03	4.01E-07	1.40E-07	4.06E-03	6.40E-07	2.23E-07
1792	495411.06, 3859051.99	2.36E-03	3.72E-07	1.29E-07	2.55E-03	4.01E-07	1.40E-07	4.06E-03	6.39E-07	2.23E-07
1793	495461.06, 3859051.99	2.36E-03	3.71E-07	1.29E-07	2.54E-03	4.01E-07	1.40E-07	4.06E-03	6.39E-07	2.23E-07
1794	495511.06, 3859051.99	2.32E-03	3.66E-07	1.28E-07	2.51E-03	3.95E-07	1.38E-07	4.00E-03	6.30E-07	2.19E-07
1795	495561.06, 3859051.99	2.30E-03	3.62E-07	1.26E-07	2.48E-03	3.91E-07	1.36E-07	3.95E-03	6.23E-07	2.17E-07
1796	495611.06, 3859051.99	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.87E-07	1.35E-07	3.92E-03	6.17E-07	2.15E-07
1797	495661.06, 3859051.99	2.29E-03	3.60E-07	1.25E-07	2.47E-03	3.89E-07	1.35E-07	3.93E-03	6.20E-07	2.16E-07
1798	494311.06, 3859101.99	3.14E-03	4.94E-07	1.72E-07	3.39E-03	5.34E-07	1.86E-07	5.41E-03	8.51E-07	2.97E-07
1799	494361.06, 3859101.99	3.11E-03	4.90E-07	1.71E-07	3.36E-03	5.30E-07	1.85E-07	5.36E-03	8.45E-07	2.94E-07
1800	494411.06, 3859101.99	3.09E-03	4.87E-07	1.70E-07	3.34E-03	5.26E-07	1.83E-07	5.33E-03	8.40E-07	2.93E-07
1801	494461.06, 3859101.99	3.06E-03	4.82E-07	1.68E-07	3.30E-03	5.20E-07	1.81E-07	5.27E-03	8.30E-07	2.89E-07
1802	494511.06, 3859101.99	3.01E-03	4.74E-07	1.65E-07	3.25E-03	5.12E-07	1.78E-07	5.18E-03	8.16E-07	2.84E-07
1803	494561.06, 3859101.99	2.97E-03	4.67E-07	1.63E-07	3.20E-03	5.05E-07	1.76E-07	5.11E-03	8.05E-07	2.80E-07
1804	494611.06, 3859101.99	2.90E-03	4.57E-07	1.59E-07	3.14E-03	4.94E-07	1.72E-07	5.00E-03	7.88E-07	2.75E-07
1805	494661.06, 3859101.99	2.86E-03	4.51E-07	1.57E-07	3.09E-03	4.87E-07	1.70E-07	4.93E-03	7.77E-07	2.71E-07
1806	494711.06, 3859101.99	2.79E-03	4.40E-07	1.53E-07	3.02E-03	4.75E-07	1.66E-07	4.81E-03	7.58E-07	2.64E-07
1807	494761.06, 3859101.99	2.78E-03	4.37E-07	1.52E-07	3.00E-03	4.72E-07	1.65E-07	4.78E-03	7.53E-07	2.62E-07
1808	494811.06, 3859101.99	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.64E-07	1.62E-07	4.70E-03	7.40E-07	2.58E-07
1809	494861.06, 3859101.99	2.69E-03	4.24E-07	1.48E-07	2.90E-03	4.57E-07	1.59E-07	4.63E-03	7.29E-07	2.54E-07
1810	494911.06, 3859101.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.53E-03	7.13E-07	2.48E-07
1811	494961.06, 3859101.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.50E-07	4.37E-03	6.88E-07	2.40E-07
1812	495011.06, 3859101.99	2.44E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.20E-03	6.62E-07	2.31E-07
1813	495061.06, 3859101.99	2.44E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.20E-03	6.62E-07	2.31E-07
1814	495111.06, 3859101.99	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.11E-07	1.43E-07	4.16E-03	6.55E-07	2.28E-07
1815	495161.06, 3859101.99	2.43E-03	3.84E-07	1.34E-07	2.63E-03	4.14E-07	1.44E-07	4.19E-03	6.60E-07	2.30E-07
1816	495211.06, 3859101.99	2.42E-03	3.80E-07	1.33E-07	2.61E-03	4.11E-07	1.43E-07	4.16E-03	6.55E-07	2.28E-07
1817	495261.06, 3859101.99	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
1818	495311.06, 3859101.99	2.40E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.42E-07	4.14E-03	6.52E-07	2.27E-07
1819	495361.06, 3859101.99	2.40E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.43E-07	4.14E-03	6.52E-07	2.27E-07
1820	495411.06, 3859101.99	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.13E-03	6.50E-07	2.27E-07
1821	495461.06, 3859101.99	2.38E-03	3.74E-07	1.30E-07	2.57E-03	4.04E-07	1.41E-07	4.09E-03	6.44E-07	2.24E-07
1822	495511.06, 3859101.99	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.07E-03	6.41E-07	2.23E-07
1823	495561.06, 3859101.99	2.34E-03	3.69E-07	1.29E-07	2.53E-03	3.98E-07	1.39E-07	4.03E-03	6.35E-07	2.21E-07
1824	495611.06, 3859101.99	2.32E-03	3.65E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.98E-03	6.28E-07	2.19E-07
1825	495661.06, 3859101.99	2.31E-03	3.64E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.98E-03	6.27E-07	2.18E-07
1826	494311.06, 3859151.99	3.17E-03	4.99E-07	1.74E-07	3.42E-03	5.39E-07	1.88E-07	5.46E-03	8.60E-07	2.99E-07
1827	494361.06, 3859151.99	3.15E-03	4.96E-07	1.73E-07	3.40E-03	5.36E-07	1.87E-07	5.43E-03	8.55E-07	2.98E-07
1828	494411.06, 3859151.99	3.11E-03	4.90E-07	1.71E-07	3.36E-03	5.29E-07	1.84E-07	5.36E-03	8.44E-07	2.94E-07
1829	494461.06, 3859151.99	3.07E-03	4.84E-07	1.68E-07	3.32E-03	5.22E-07	1.82E-07	5.29E-03	8.33E-07	2.90E-07
1830	494511.06, 3859151.99	3.02E-03	4.75E-07	1.66E-07	3.26E-03	5.13E-07	1.79E-07	5.20E-03	8.18E-07	2.85E-07
1831	494561.06, 3859151.99	2.98E-03	4.70E-07	1.64E-07	3.22E-03	5.08E-07	1.77E-07	5.14E-03	8.10E-07	2.82E-07
1832	494611.06, 3859151.99	2.93E-03	4.61E-07	1.61E-07	3.16E-03	4.98E-07	1.74E-07	5.05E-03	7.95E-07	2.77E-07
1833	494661.06, 3859151.99	2.89E-03	4.56E-07	1.59E-07	3.13E-03	4.92E-07	1.72E-07	4.98E-03	7.85E-07	2.74E-07
1834	494711.06, 3859151.99	2.86E-03	4.51E-07	1.57E-07	3.09E-03	4.87E-07	1.70E-07	4.93E-03	7.77E-07	2.71E-07
1835	494761.06, 3859151.99	2.80E-03	4.41E-07	1.54E-07	3.02E-03	4.76E-07	1.66E-07	4.82E-03	7.60E-07	2.65E-07
1836	494811.06, 3859151.99	2.75E-03	4.33E-07	1.51E-07	2.97E-03	4.67E-07	1.63E-07	4.73E-03	7.45E-07	2.60E-07
1837	494861.06, 3859151.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.62E-07	1.61E-07	4.67E-03	7.36E-07	2.56E-07
1838	494911.06, 3859151.99	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.50E-07	1.57E-07	4.56E-03	7.18E-07	2.50E-07
1839	494961.06, 3859151.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.40E-03	6.94E-07	2.42E-07
1840	495011.06, 3859151.99	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.26E-03	6.71E-07	2.34E-07
1841	495061.06, 3859151.99	2.47E-03	3.88E-07	1.35E-07	2.66E-03	4.20E-07	1.46E-07	4.24E-03	6.69E-07	2.33E-07
1842	495111.06, 3859151.99	2.45E-03	3.86E-07	1.35E-07	2.65E-03	4.17E-07	1.45E-07	4.22E-03	6.65E-07	2.32E-07
1843	495161.06, 3859151.99	2.47E-03	3.89E-07	1.35E-07	2.67E-03	4.20E-07	1.46E-07	4.25E-03	6.69E-07	2.33E-07
1844	495211.06, 3859151.99	2.46E-03	3.87E-07	1.35E-07	2.65E-03	4.18E-07	1.46E-07	4.23E-03	6.66E-07	2.32E-07
1845	495261.06, 3859151.99	2.44E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.21E-03	6.63E-07	2.31E-07
1846	495311.06, 3859151.99	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.14E-07	1.44E-07	4.19E-03	6.61E-07	2.30E-07
1847	495361.06, 3859151.99	2.43E-03	3.82E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
1848	495411.06, 3859151.99	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.15E-07	1.45E-07	4.20E-03	6.61E-07	2.30E-07
1849	495461.06, 3859151.99	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.59E-07	2.30E-07
1850	495511.06, 3859151.99	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.13E-03	6.51E-07	2.27E-07
1851	495561.06, 3859151.99	2.38E-03	3.75E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.10E-03	6.45E-07	2.25E-07
1852	495611.06, 3859151.99	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.06E-03	6.40E-07	2.23E-07

1853	495661.06, 3859151.99	2.35E-03	3.70E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.04E-03	6.36E-07	2.22E-07
1854	494311.06, 3859201.99	3.19E-03	5.02E-07	1.75E-07	3.44E-03	5.42E-07	1.89E-07	5.49E-03	8.65E-07	3.01E-07
1855	494361.06, 3859201.99	3.16E-03	4.98E-07	1.74E-07	3.42E-03	5.38E-07	1.88E-07	5.45E-03	8.59E-07	2.99E-07
1856	494411.06, 3859201.99	3.13E-03	4.93E-07	1.72E-07	3.38E-03	5.33E-07	1.86E-07	5.39E-03	8.49E-07	2.96E-07
1857	494461.06, 3859201.99	3.08E-03	4.85E-07	1.69E-07	3.33E-03	5.24E-07	1.83E-07	5.31E-03	8.36E-07	2.91E-07
1858	494511.06, 3859201.99	3.05E-03	4.80E-07	1.67E-07	3.29E-03	5.19E-07	1.81E-07	5.25E-03	8.27E-07	2.88E-07
1859	494561.06, 3859201.99	2.99E-03	4.71E-07	1.64E-07	3.23E-03	5.09E-07	1.77E-07	5.15E-03	8.12E-07	2.83E-07
1860	494611.06, 3859201.99	2.95E-03	4.64E-07	1.62E-07	3.18E-03	5.02E-07	1.75E-07	5.08E-03	8.00E-07	2.79E-07
1861	494661.06, 3859201.99	2.91E-03	4.59E-07	1.60E-07	3.15E-03	4.96E-07	1.73E-07	5.02E-03	7.91E-07	2.75E-07
1862	494711.06, 3859201.99	2.88E-03	4.53E-07	1.58E-07	3.11E-03	4.90E-07	1.71E-07	4.96E-03	7.81E-07	2.72E-07
1863	494761.06, 3859201.99	2.82E-03	4.44E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.86E-03	7.65E-07	2.67E-07
1864	494811.06, 3859201.99	2.77E-03	4.37E-07	1.52E-07	2.99E-03	4.72E-07	1.64E-07	4.77E-03	7.52E-07	2.62E-07
1865	494861.06, 3859201.99	2.72E-03	4.28E-07	1.49E-07	2.93E-03	4.62E-07	1.61E-07	4.68E-03	7.37E-07	2.57E-07
1866	494911.06, 3859201.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.50E-07	1.57E-07	4.55E-03	7.17E-07	2.50E-07
1867	494961.06, 3859201.99	2.57E-03	4.04E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.42E-03	6.96E-07	2.43E-07
1868	495011.06, 3859201.99	2.47E-03	3.89E-07	1.35E-07	2.66E-03	4.20E-07	1.46E-07	4.25E-03	6.69E-07	2.33E-07
1869	495061.06, 3859201.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.31E-03	6.79E-07	2.37E-07
1870	495111.06, 3859201.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.31E-03	6.79E-07	2.36E-07
1871	495161.06, 3859201.99	2.50E-03	3.93E-07	1.37E-07	2.69E-03	4.25E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
1872	495211.06, 3859201.99	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.26E-03	6.71E-07	2.34E-07
1873	495261.06, 3859201.99	2.47E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.26E-03	6.71E-07	2.34E-07
1874	495311.06, 3859201.99	2.47E-03	3.88E-07	1.35E-07	2.66E-03	4.20E-07	1.46E-07	4.25E-03	6.69E-07	2.33E-07
1875	495361.06, 3859201.99	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.24E-03	6.68E-07	2.33E-07
1876	495411.06, 3859201.99	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.25E-03	6.70E-07	2.33E-07
1877	495461.06, 3859201.99	2.46E-03	3.87E-07	1.35E-07	2.65E-03	4.18E-07	1.46E-07	4.23E-03	6.66E-07	2.32E-07
1878	495511.06, 3859201.99	2.44E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.21E-03	6.63E-07	2.31E-07
1879	495561.06, 3859201.99	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
1880	495611.06, 3859201.99	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.42E-07	4.11E-03	6.48E-07	2.26E-07
1881	495661.06, 3859201.99	2.37E-03	3.74E-07	1.30E-07	2.56E-03	4.04E-07	1.41E-07	4.09E-03	6.44E-07	2.24E-07
1882	494311.06, 3859251.99	3.20E-03	5.05E-07	1.76E-07	3.46E-03	5.45E-07	1.90E-07	5.52E-03	8.70E-07	3.03E-07
1883	494361.06, 3859251.99	3.17E-03	4.99E-07	1.74E-07	3.42E-03	5.39E-07	1.88E-07	5.46E-03	8.60E-07	3.00E-07
1884	494411.06, 3859251.99	3.12E-03	4.92E-07	1.71E-07	3.37E-03	5.31E-07	1.85E-07	5.38E-03	8.47E-07	2.95E-07
1885	494461.06, 3859251.99	3.09E-03	4.87E-07	1.70E-07	3.34E-03	5.26E-07	1.83E-07	5.32E-03	8.38E-07	2.92E-07
1886	494511.06, 3859251.99	3.03E-03	4.78E-07	1.67E-07	3.28E-03	5.16E-07	1.80E-07	5.23E-03	8.24E-07	2.87E-07
1887	494561.06, 3859251.99	3.00E-03	4.73E-07	1.65E-07	3.24E-03	5.10E-07	1.78E-07	5.17E-03	8.14E-07	2.84E-07
1888	494611.06, 3859251.99	2.95E-03	4.65E-07	1.62E-07	3.19E-03	5.02E-07	1.75E-07	5.09E-03	8.01E-07	2.79E-07
1889	494661.06, 3859251.99	2.93E-03	4.61E-07	1.61E-07	3.16E-03	4.98E-07	1.74E-07	5.04E-03	7.95E-07	2.77E-07
1890	494711.06, 3859251.99	2.89E-03	4.56E-07	1.59E-07	3.13E-03	4.92E-07	1.72E-07	4.98E-03	7.85E-07	2.74E-07
1891	494761.06, 3859251.99	2.80E-03	4.42E-07	1.54E-07	3.03E-03	4.77E-07	1.66E-07	4.83E-03	7.61E-07	2.65E-07
1892	494811.06, 3859251.99	2.79E-03	4.40E-07	1.53E-07	3.01E-03	4.75E-07	1.65E-07	4.81E-03	7.57E-07	2.64E-07
1893	494861.06, 3859251.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.67E-03	7.35E-07	2.56E-07
1894	494911.06, 3859251.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.54E-03	7.16E-07	2.49E-07
1895	494961.06, 3859251.99	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.48E-03	7.06E-07	2.46E-07
1896	495011.06, 3859251.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.40E-03	6.93E-07	2.42E-07
1897	495061.06, 3859251.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.41E-03	6.94E-07	2.42E-07
1898	495111.06, 3859251.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.51E-07	4.38E-03	6.89E-07	2.40E-07
1899	495161.06, 3859251.99	2.53E-03	3.99E-07	1.39E-07	2.74E-03	4.31E-07	1.50E-07	4.36E-03	6.87E-07	2.39E-07
1900	495211.06, 3859251.99	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.28E-07	1.49E-07	4.33E-03	6.82E-07	2.38E-07
1901	495261.06, 3859251.99	2.51E-03	3.95E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.32E-03	6.80E-07	2.37E-07
1902	495311.06, 3859251.99	2.51E-03	3.95E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.32E-03	6.80E-07	2.37E-07
1903	495361.06, 3859251.99	2.50E-03	3.93E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
1904	495411.06, 3859251.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.31E-03	6.78E-07	2.36E-07
1905	495461.06, 3859251.99	2.49E-03	3.92E-07	1.37E-07	2.69E-03	4.23E-07	1.47E-07	4.28E-03	6.75E-07	2.35E-07
1906	495511.06, 3859251.99	2.46E-03	3.87E-07	1.35E-07	2.66E-03	4.18E-07	1.46E-07	4.24E-03	6.67E-07	2.32E-07
1907	495561.06, 3859251.99	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.15E-07	1.45E-07	4.20E-03	6.61E-07	2.30E-07
1908	495611.06, 3859251.99	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
1909	495661.06, 3859251.99	2.39E-03	3.77E-07	1.31E-07	2.58E-03	4.07E-07	1.42E-07	4.12E-03	6.49E-07	2.26E-07
1910	494311.06, 3859301.99	3.21E-03	5.06E-07	1.76E-07	3.47E-03	5.46E-07	1.90E-07	5.53E-03	8.71E-07	3.03E-07
1911	494361.06, 3859301.99	3.17E-03	5.00E-07	1.74E-07	3.43E-03	5.40E-07	1.88E-07	5.47E-03	8.61E-07	3.00E-07
1912	494411.06, 3859301.99	3.13E-03	4.93E-07	1.72E-07	3.38E-03	5.32E-07	1.85E-07	5.39E-03	8.49E-07	2.96E-07
1913	494461.06, 3859301.99	3.08E-03	4.85E-07	1.69E-07	3.33E-03	5.24E-07	1.83E-07	5.31E-03	8.36E-07	2.91E-07
1914	494511.06, 3859301.99	3.04E-03	4.79E-07	1.67E-07	3.28E-03	5.17E-07	1.80E-07	5.24E-03	8.25E-07	2.87E-07
1915	494561.06, 3859301.99	3.01E-03	4.74E-07	1.65E-07	3.25E-03	5.11E-07	1.78E-07	5.18E-03	8.16E-07	2.84E-07
1916	494611.06, 3859301.99	2.97E-03	4.68E-07	1.63E-07	3.21E-03	5.05E-07	1.76E-07	5.11E-03	8.06E-07	2.81E-07

1917	494661.06, 3859301.99	2.93E-03	4.62E-07	1.61E-07	3.17E-03	4.99E-07	1.74E-07	5.05E-03	7.96E-07	2.77E-07
1918	494711.06, 3859301.99	2.89E-03	4.55E-07	1.58E-07	3.12E-03	4.91E-07	1.71E-07	4.97E-03	7.84E-07	2.73E-07
1919	494761.06, 3859301.99	2.85E-03	4.49E-07	1.56E-07	3.08E-03	4.85E-07	1.69E-07	4.91E-03	7.73E-07	2.69E-07
1920	494811.06, 3859301.99	2.79E-03	4.40E-07	1.53E-07	3.01E-03	4.75E-07	1.65E-07	4.81E-03	7.57E-07	2.64E-07
1921	494861.06, 3859301.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.67E-03	7.35E-07	2.56E-07
1922	494911.06, 3859301.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.60E-03	7.24E-07	2.52E-07
1923	494961.06, 3859301.99	2.59E-03	4.08E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.46E-03	7.02E-07	2.45E-07
1924	495011.06, 3859301.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.41E-03	6.94E-07	2.42E-07
1925	495061.06, 3859301.99	2.59E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.47E-03	7.04E-07	2.45E-07
1926	495111.06, 3859301.99	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.34E-07	1.51E-07	4.40E-03	6.92E-07	2.41E-07
1927	495161.06, 3859301.99	2.54E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.38E-03	6.90E-07	2.41E-07
1928	495211.06, 3859301.99	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.35E-07	1.51E-07	4.40E-03	6.93E-07	2.41E-07
1929	495261.06, 3859301.99	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.34E-07	1.51E-07	4.40E-03	6.92E-07	2.41E-07
1930	495311.06, 3859301.99	2.52E-03	3.98E-07	1.39E-07	2.73E-03	4.29E-07	1.50E-07	4.35E-03	6.85E-07	2.39E-07
1931	495361.06, 3859301.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.35E-03	6.85E-07	2.39E-07
1932	495411.06, 3859301.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.34E-03	6.83E-07	2.38E-07
1933	495461.06, 3859301.99	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.33E-03	6.82E-07	2.37E-07
1934	495511.06, 3859301.99	2.49E-03	3.92E-07	1.37E-07	2.69E-03	4.23E-07	1.47E-07	4.28E-03	6.75E-07	2.35E-07
1935	495561.06, 3859301.99	2.45E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.21E-03	6.64E-07	2.31E-07
1936	495611.06, 3859301.99	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.59E-07	2.30E-07
1937	495661.06, 3859301.99	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
1938	494311.06, 3859351.99	3.20E-03	5.04E-07	1.76E-07	3.46E-03	5.44E-07	1.90E-07	5.51E-03	8.68E-07	3.02E-07
1939	494361.06, 3859351.99	3.16E-03	4.99E-07	1.74E-07	3.42E-03	5.38E-07	1.88E-07	5.45E-03	8.59E-07	2.99E-07
1940	494411.06, 3859351.99	3.12E-03	4.91E-07	1.71E-07	3.37E-03	5.30E-07	1.85E-07	5.37E-03	8.45E-07	2.95E-07
1941	494461.06, 3859351.99	3.07E-03	4.84E-07	1.69E-07	3.32E-03	5.23E-07	1.82E-07	5.29E-03	8.34E-07	2.91E-07
1942	494511.06, 3859351.99	3.04E-03	4.78E-07	1.67E-07	3.28E-03	5.17E-07	1.80E-07	5.23E-03	8.24E-07	2.87E-07
1943	494561.06, 3859351.99	3.01E-03	4.74E-07	1.65E-07	3.25E-03	5.12E-07	1.78E-07	5.18E-03	8.16E-07	2.84E-07
1944	494611.06, 3859351.99	2.97E-03	4.69E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.12E-03	8.07E-07	2.81E-07
1945	494661.06, 3859351.99	2.94E-03	4.63E-07	1.61E-07	3.17E-03	5.00E-07	1.74E-07	5.06E-03	7.97E-07	2.78E-07
1946	494711.06, 3859351.99	2.89E-03	4.55E-07	1.59E-07	3.12E-03	4.92E-07	1.71E-07	4.98E-03	7.85E-07	2.73E-07
1947	494761.06, 3859351.99	2.83E-03	4.46E-07	1.55E-07	3.06E-03	4.82E-07	1.68E-07	4.88E-03	7.68E-07	2.68E-07
1948	494811.06, 3859351.99	2.75E-03	4.33E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.73E-03	7.46E-07	2.60E-07
1949	494861.06, 3859351.99	2.72E-03	4.28E-07	1.49E-07	2.93E-03	4.62E-07	1.61E-07	4.68E-03	7.37E-07	2.57E-07
1950	494911.06, 3859351.99	2.70E-03	4.25E-07	1.48E-07	2.91E-03	4.59E-07	1.60E-07	4.64E-03	7.31E-07	2.55E-07
1951	494961.06, 3859351.99	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.52E-07	1.58E-07	4.58E-03	7.21E-07	2.51E-07
1952	495011.06, 3859351.99	2.63E-03	4.15E-07	1.44E-07	2.84E-03	4.48E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
1953	495061.06, 3859351.99	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.51E-07	1.57E-07	4.56E-03	7.19E-07	2.50E-07
1954	495111.06, 3859351.99	2.62E-03	4.12E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.51E-03	7.11E-07	2.48E-07
1955	495161.06, 3859351.99	2.61E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.49E-03	7.07E-07	2.46E-07
1956	495211.06, 3859351.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.03E-07	2.45E-07
1957	495261.06, 3859351.99	2.59E-03	4.07E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.45E-03	7.02E-07	2.44E-07
1958	495311.06, 3859351.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
1959	495361.06, 3859351.99	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.34E-07	1.51E-07	4.39E-03	6.91E-07	2.41E-07
1960	495411.06, 3859351.99	2.54E-03	4.00E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.38E-03	6.90E-07	2.40E-07
1961	495461.06, 3859351.99	2.54E-03	4.00E-07	1.39E-07	2.75E-03	4.32E-07	1.51E-07	4.38E-03	6.90E-07	2.40E-07
1962	495511.06, 3859351.99	2.51E-03	3.95E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.32E-03	6.81E-07	2.37E-07
1963	495561.06, 3859351.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.28E-03	6.74E-07	2.35E-07
1964	495611.06, 3859351.99	2.47E-03	3.88E-07	1.35E-07	2.66E-03	4.20E-07	1.46E-07	4.25E-03	6.69E-07	2.33E-07
1965	495661.06, 3859351.99	2.43E-03	3.83E-07	1.33E-07	2.63E-03	4.14E-07	1.44E-07	4.19E-03	6.60E-07	2.30E-07
1966	494311.06, 3859401.99	3.19E-03	5.03E-07	1.75E-07	3.45E-03	5.43E-07	1.89E-07	5.50E-03	8.66E-07	3.02E-07
1967	494361.06, 3859401.99	3.15E-03	4.96E-07	1.73E-07	3.40E-03	5.36E-07	1.87E-07	5.42E-03	8.54E-07	2.98E-07
1968	494411.06, 3859401.99	3.10E-03	4.89E-07	1.70E-07	3.35E-03	5.28E-07	1.84E-07	5.34E-03	8.41E-07	2.93E-07
1969	494461.06, 3859401.99	3.06E-03	4.83E-07	1.68E-07	3.31E-03	5.21E-07	1.82E-07	5.28E-03	8.31E-07	2.90E-07
1970	494511.06, 3859401.99	3.04E-03	4.79E-07	1.67E-07	3.28E-03	5.17E-07	1.80E-07	5.24E-03	8.25E-07	2.87E-07
1971	494561.06, 3859401.99	3.01E-03	4.74E-07	1.65E-07	3.25E-03	5.12E-07	1.78E-07	5.19E-03	8.17E-07	2.85E-07
1972	494611.06, 3859401.99	2.97E-03	4.68E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.12E-03	8.07E-07	2.81E-07
1973	494661.06, 3859401.99	2.95E-03	4.64E-07	1.62E-07	3.18E-03	5.01E-07	1.75E-07	5.08E-03	8.00E-07	2.79E-07
1974	494711.06, 3859401.99	2.91E-03	4.59E-07	1.60E-07	3.15E-03	4.96E-07	1.73E-07	5.02E-03	7.91E-07	2.76E-07
1975	494761.06, 3859401.99	2.85E-03	4.49E-07	1.57E-07	3.08E-03	4.85E-07	1.69E-07	4.91E-03	7.74E-07	2.70E-07
1976	494811.06, 3859401.99	2.80E-03	4.42E-07	1.54E-07	3.03E-03	4.77E-07	1.66E-07	4.83E-03	7.61E-07	2.65E-07
1977	494861.06, 3859401.99	2.74E-03	4.32E-07	1.51E-07	2.96E-03	4.67E-07	1.63E-07	4.73E-03	7.44E-07	2.59E-07
1978	494911.06, 3859401.99	2.71E-03	4.26E-07	1.49E-07	2.92E-03	4.60E-07	1.60E-07	4.66E-03	7.34E-07	2.56E-07
1979	494961.06, 3859401.99	2.69E-03	4.23E-07	1.47E-07	2.90E-03	4.57E-07	1.59E-07	4.63E-03	7.29E-07	2.54E-07
1980	495011.06, 3859401.99	2.67E-03	4.21E-07	1.47E-07	2.89E-03	4.55E-07	1.58E-07	4.60E-03	7.25E-07	2.53E-07

1981	495061.06, 3859401.99	2.66E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.59E-03	7.23E-07	2.52E-07
1982	495111.06, 3859401.99	2.63E-03	4.15E-07	1.45E-07	2.84E-03	4.48E-07	1.56E-07	4.54E-03	7.15E-07	2.49E-07
1983	495161.06, 3859401.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.47E-07	1.56E-07	4.52E-03	7.12E-07	2.48E-07
1984	495211.06, 3859401.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.52E-03	7.11E-07	2.48E-07
1985	495261.06, 3859401.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
1986	495311.06, 3859401.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.03E-07	2.45E-07
1987	495361.06, 3859401.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.03E-07	2.45E-07
1988	495411.06, 3859401.99	2.58E-03	4.06E-07	1.42E-07	2.79E-03	4.39E-07	1.53E-07	4.44E-03	7.00E-07	2.44E-07
1989	495461.06, 3859401.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.41E-03	6.94E-07	2.42E-07
1990	495511.06, 3859401.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.35E-03	6.86E-07	2.39E-07
1991	495561.06, 3859401.99	2.49E-03	3.92E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.29E-03	6.75E-07	2.35E-07
1992	495611.06, 3859401.99	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.25E-03	6.70E-07	2.33E-07
1993	495661.06, 3859401.99	2.45E-03	3.86E-07	1.35E-07	2.65E-03	4.17E-07	1.45E-07	4.23E-03	6.66E-07	2.32E-07
1994	494311.06, 3859451.99	3.17E-03	4.99E-07	1.74E-07	3.42E-03	5.39E-07	1.88E-07	5.45E-03	8.59E-07	2.99E-07
1995	494361.06, 3859451.99	3.13E-03	4.93E-07	1.72E-07	3.38E-03	5.32E-07	1.85E-07	5.38E-03	8.48E-07	2.96E-07
1996	494411.06, 3859451.99	3.07E-03	4.84E-07	1.69E-07	3.32E-03	5.23E-07	1.82E-07	5.29E-03	8.33E-07	2.90E-07
1997	494461.06, 3859451.99	3.05E-03	4.81E-07	1.68E-07	3.30E-03	5.19E-07	1.81E-07	5.26E-03	8.28E-07	2.89E-07
1998	494511.06, 3859451.99	3.02E-03	4.76E-07	1.66E-07	3.26E-03	5.14E-07	1.79E-07	5.20E-03	8.19E-07	2.85E-07
1999	494561.06, 3859451.99	2.99E-03	4.71E-07	1.64E-07	3.23E-03	5.09E-07	1.77E-07	5.15E-03	8.12E-07	2.83E-07
2000	494611.06, 3859451.99	2.98E-03	4.69E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.13E-03	8.07E-07	2.81E-07
2001	494661.06, 3859451.99	2.94E-03	4.63E-07	1.61E-07	3.17E-03	5.00E-07	1.74E-07	5.06E-03	7.97E-07	2.78E-07
2002	494711.06, 3859451.99	2.90E-03	4.57E-07	1.59E-07	3.13E-03	4.94E-07	1.72E-07	5.00E-03	7.87E-07	2.74E-07
2003	494761.06, 3859451.99	2.87E-03	4.52E-07	1.58E-07	3.10E-03	4.88E-07	1.70E-07	4.94E-03	7.79E-07	2.71E-07
2004	494811.06, 3859451.99	2.82E-03	4.44E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.86E-03	7.66E-07	2.67E-07
2005	494861.06, 3859451.99	2.78E-03	4.38E-07	1.53E-07	3.00E-03	4.73E-07	1.65E-07	4.79E-03	7.54E-07	2.63E-07
2006	494911.06, 3859451.99	2.75E-03	4.33E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.74E-03	7.46E-07	2.60E-07
2007	494961.06, 3859451.99	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.71E-03	7.41E-07	2.58E-07
2008	495011.06, 3859451.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.67E-03	7.35E-07	2.56E-07
2009	495061.06, 3859451.99	2.69E-03	4.23E-07	1.47E-07	2.90E-03	4.57E-07	1.59E-07	4.63E-03	7.29E-07	2.54E-07
2010	495111.06, 3859451.99	2.66E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.59E-03	7.23E-07	2.52E-07
2011	495161.06, 3859451.99	2.65E-03	4.18E-07	1.46E-07	2.87E-03	4.51E-07	1.57E-07	4.57E-03	7.20E-07	2.51E-07
2012	495211.06, 3859451.99	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.51E-07	1.57E-07	4.56E-03	7.19E-07	2.50E-07
2013	495261.06, 3859451.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.57E-07	4.55E-03	7.17E-07	2.50E-07
2014	495311.06, 3859451.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.52E-03	7.12E-07	2.48E-07
2015	495361.06, 3859451.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.50E-03	7.08E-07	2.47E-07
2016	495411.06, 3859451.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.03E-07	2.45E-07
2017	495461.06, 3859451.99	2.58E-03	4.06E-07	1.41E-07	2.78E-03	4.38E-07	1.53E-07	4.44E-03	6.99E-07	2.44E-07
2018	495511.06, 3859451.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.51E-07	4.38E-03	6.89E-07	2.40E-07
2019	495561.06, 3859451.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.34E-03	6.83E-07	2.38E-07
2020	495611.06, 3859451.99	2.50E-03	3.93E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.30E-03	6.78E-07	2.36E-07
2021	495661.06, 3859451.99	2.48E-03	3.90E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.27E-03	6.72E-07	2.34E-07
2022	494311.06, 3859501.99	3.14E-03	4.95E-07	1.73E-07	3.40E-03	5.35E-07	1.86E-07	5.41E-03	8.52E-07	2.97E-07
2023	494361.06, 3859501.99	3.11E-03	4.90E-07	1.71E-07	3.36E-03	5.29E-07	1.84E-07	5.35E-03	8.43E-07	2.94E-07
2024	494411.06, 3859501.99	3.04E-03	4.79E-07	1.67E-07	3.29E-03	5.18E-07	1.80E-07	5.24E-03	8.25E-07	2.87E-07
2025	494461.06, 3859501.99	3.04E-03	4.79E-07	1.67E-07	3.28E-03	5.17E-07	1.80E-07	5.24E-03	8.25E-07	2.87E-07
2026	494511.06, 3859501.99	3.01E-03	4.73E-07	1.65E-07	3.25E-03	5.11E-07	1.78E-07	5.17E-03	8.15E-07	2.84E-07
2027	494561.06, 3859501.99	2.97E-03	4.69E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.12E-03	8.07E-07	2.81E-07
2028	494611.06, 3859501.99	2.98E-03	4.69E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.12E-03	8.07E-07	2.81E-07
2029	494661.06, 3859501.99	2.94E-03	4.62E-07	1.61E-07	3.17E-03	5.00E-07	1.74E-07	5.06E-03	7.96E-07	2.77E-07
2030	494711.06, 3859501.99	2.89E-03	4.55E-07	1.58E-07	3.12E-03	4.91E-07	1.71E-07	4.97E-03	7.83E-07	2.73E-07
2031	494761.06, 3859501.99	2.88E-03	4.53E-07	1.58E-07	3.11E-03	4.90E-07	1.71E-07	4.96E-03	7.81E-07	2.72E-07
2032	494811.06, 3859501.99	2.81E-03	4.43E-07	1.54E-07	3.04E-03	4.79E-07	1.67E-07	4.85E-03	7.63E-07	2.66E-07
2033	494861.06, 3859501.99	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.80E-03	7.56E-07	2.64E-07
2034	494911.06, 3859501.99	2.77E-03	4.37E-07	1.52E-07	2.99E-03	4.72E-07	1.64E-07	4.78E-03	7.52E-07	2.62E-07
2035	494961.06, 3859501.99	2.74E-03	4.32E-07	1.50E-07	2.96E-03	4.66E-07	1.62E-07	4.72E-03	7.43E-07	2.59E-07
2036	495011.06, 3859501.99	2.72E-03	4.29E-07	1.50E-07	2.94E-03	4.64E-07	1.62E-07	4.69E-03	7.39E-07	2.58E-07
2037	495061.06, 3859501.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.67E-03	7.36E-07	2.56E-07
2038	495111.06, 3859501.99	2.68E-03	4.22E-07	1.47E-07	2.89E-03	4.56E-07	1.59E-07	4.62E-03	7.27E-07	2.53E-07
2039	495161.06, 3859501.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.60E-03	7.24E-07	2.52E-07
2040	495211.06, 3859501.99	2.66E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.59E-03	7.23E-07	2.52E-07
2041	495261.06, 3859501.99	2.65E-03	4.18E-07	1.45E-07	2.86E-03	4.51E-07	1.57E-07	4.57E-03	7.19E-07	2.51E-07
2042	495311.06, 3859501.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.57E-07	4.55E-03	7.17E-07	2.50E-07
2043	495361.06, 3859501.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.13E-07	2.48E-07
2044	495411.06, 3859501.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.50E-03	7.09E-07	2.47E-07

2045	495461.06, 3859501.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.47E-03	7.04E-07	2.45E-07
2046	495511.06, 3859501.99	2.55E-03	4.02E-07	1.40E-07	2.75E-03	4.34E-07	1.51E-07	4.39E-03	6.92E-07	2.41E-07
2047	495561.06, 3859501.99	2.54E-03	4.00E-07	1.39E-07	2.75E-03	4.32E-07	1.51E-07	4.38E-03	6.90E-07	2.40E-07
2048	495611.06, 3859501.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.34E-03	6.84E-07	2.38E-07
2049	495661.06, 3859501.99	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
2050	494311.06, 3859551.99	3.12E-03	4.91E-07	1.71E-07	3.36E-03	5.30E-07	1.85E-07	5.36E-03	8.44E-07	2.94E-07
2051	494361.06, 3859551.99	3.08E-03	4.84E-07	1.69E-07	3.32E-03	5.23E-07	1.82E-07	5.29E-03	8.34E-07	2.90E-07
2052	494411.06, 3859551.99	3.01E-03	4.75E-07	1.65E-07	3.25E-03	5.13E-07	1.79E-07	5.19E-03	8.17E-07	2.85E-07
2053	494461.06, 3859551.99	3.02E-03	4.76E-07	1.66E-07	3.26E-03	5.14E-07	1.79E-07	5.20E-03	8.18E-07	2.85E-07
2054	494511.06, 3859551.99	2.99E-03	4.70E-07	1.64E-07	3.23E-03	5.08E-07	1.77E-07	5.14E-03	8.10E-07	2.82E-07
2055	494561.06, 3859551.99	2.96E-03	4.67E-07	1.63E-07	3.20E-03	5.04E-07	1.76E-07	5.10E-03	8.03E-07	2.80E-07
2056	494611.06, 3859551.99	2.95E-03	4.64E-07	1.62E-07	3.18E-03	5.02E-07	1.75E-07	5.07E-03	7.99E-07	2.78E-07
2057	494661.06, 3859551.99	2.93E-03	4.61E-07	1.61E-07	3.16E-03	4.98E-07	1.73E-07	5.04E-03	7.94E-07	2.77E-07
2058	494711.06, 3859551.99	2.86E-03	4.50E-07	1.57E-07	3.09E-03	4.86E-07	1.69E-07	4.92E-03	7.75E-07	2.70E-07
2059	494761.06, 3859551.99	2.87E-03	4.52E-07	1.58E-07	3.10E-03	4.88E-07	1.70E-07	4.94E-03	7.78E-07	2.71E-07
2060	494811.06, 3859551.99	2.82E-03	4.44E-07	1.55E-07	3.04E-03	4.80E-07	1.67E-07	4.85E-03	7.65E-07	2.66E-07
2061	494861.06, 3859551.99	2.80E-03	4.41E-07	1.53E-07	3.02E-03	4.76E-07	1.66E-07	4.82E-03	7.59E-07	2.64E-07
2062	494911.06, 3859551.99	2.77E-03	4.36E-07	1.52E-07	2.99E-03	4.71E-07	1.64E-07	4.77E-03	7.51E-07	2.62E-07
2063	494961.06, 3859551.99	2.75E-03	4.34E-07	1.51E-07	2.97E-03	4.69E-07	1.63E-07	4.74E-03	7.47E-07	2.60E-07
2064	495011.06, 3859551.99	2.74E-03	4.32E-07	1.51E-07	2.96E-03	4.67E-07	1.63E-07	4.73E-03	7.45E-07	2.59E-07
2065	495061.06, 3859551.99	2.72E-03	4.29E-07	1.49E-07	2.94E-03	4.63E-07	1.61E-07	4.69E-03	7.39E-07	2.57E-07
2066	495111.06, 3859551.99	2.70E-03	4.25E-07	1.48E-07	2.91E-03	4.59E-07	1.60E-07	4.64E-03	7.32E-07	2.55E-07
2067	495161.06, 3859551.99	2.69E-03	4.23E-07	1.47E-07	2.90E-03	4.57E-07	1.59E-07	4.63E-03	7.29E-07	2.54E-07
2068	495211.06, 3859551.99	2.68E-03	4.23E-07	1.47E-07	2.90E-03	4.56E-07	1.59E-07	4.62E-03	7.28E-07	2.54E-07
2069	495261.06, 3859551.99	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.53E-07	1.58E-07	4.58E-03	7.22E-07	2.52E-07
2070	495311.06, 3859551.99	2.64E-03	4.17E-07	1.45E-07	2.86E-03	4.50E-07	1.57E-07	4.55E-03	7.18E-07	2.50E-07
2071	495361.06, 3859551.99	2.63E-03	4.15E-07	1.44E-07	2.84E-03	4.48E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
2072	495411.06, 3859551.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.52E-03	7.12E-07	2.48E-07
2073	495461.06, 3859551.99	2.59E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.47E-03	7.04E-07	2.45E-07
2074	495511.06, 3859551.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.42E-03	6.96E-07	2.42E-07
2075	495561.06, 3859551.99	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.39E-03	6.91E-07	2.41E-07
2076	495611.06, 3859551.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.36E-03	6.86E-07	2.39E-07
2077	495661.06, 3859551.99	2.51E-03	3.95E-07	1.38E-07	2.71E-03	4.26E-07	1.49E-07	4.32E-03	6.80E-07	2.37E-07
2078	494311.06, 3859601.99	3.09E-03	4.87E-07	1.70E-07	3.34E-03	5.26E-07	1.83E-07	5.31E-03	8.37E-07	2.92E-07
2079	494361.06, 3859601.99	3.03E-03	4.77E-07	1.66E-07	3.27E-03	5.15E-07	1.80E-07	5.21E-03	8.21E-07	2.86E-07
2080	494411.06, 3859601.99	2.99E-03	4.71E-07	1.64E-07	3.23E-03	5.09E-07	1.77E-07	5.15E-03	8.11E-07	2.83E-07
2081	494461.06, 3859601.99	3.00E-03	4.72E-07	1.64E-07	3.24E-03	5.10E-07	1.78E-07	5.15E-03	8.12E-07	2.83E-07
2082	494511.06, 3859601.99	2.95E-03	4.65E-07	1.62E-07	3.19E-03	5.02E-07	1.75E-07	5.08E-03	8.01E-07	2.79E-07
2083	494561.06, 3859601.99	2.95E-03	4.65E-07	1.62E-07	3.19E-03	5.02E-07	1.75E-07	5.08E-03	8.00E-07	2.79E-07
2084	494611.06, 3859601.99	2.94E-03	4.63E-07	1.61E-07	3.17E-03	5.00E-07	1.74E-07	5.06E-03	7.97E-07	2.78E-07
2085	494661.06, 3859601.99	2.89E-03	4.56E-07	1.59E-07	3.12E-03	4.92E-07	1.71E-07	4.98E-03	7.84E-07	2.73E-07
2086	494711.06, 3859601.99	2.85E-03	4.49E-07	1.56E-07	3.08E-03	4.84E-07	1.69E-07	4.90E-03	7.72E-07	2.69E-07
2087	494761.06, 3859601.99	2.87E-03	4.52E-07	1.58E-07	3.10E-03	4.88E-07	1.70E-07	4.94E-03	7.78E-07	2.71E-07
2088	494811.06, 3859601.99	2.82E-03	4.45E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.86E-03	7.65E-07	2.67E-07
2089	494861.06, 3859601.99	2.80E-03	4.42E-07	1.54E-07	3.03E-03	4.77E-07	1.66E-07	4.83E-03	7.60E-07	2.65E-07
2090	494911.06, 3859601.99	2.77E-03	4.36E-07	1.52E-07	2.99E-03	4.71E-07	1.64E-07	4.76E-03	7.50E-07	2.61E-07
2091	494961.06, 3859601.99	2.77E-03	4.37E-07	1.52E-07	2.99E-03	4.72E-07	1.64E-07	4.77E-03	7.52E-07	2.62E-07
2092	495011.06, 3859601.99	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.70E-03	7.41E-07	2.58E-07
2093	495061.06, 3859601.99	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.64E-07	1.62E-07	4.70E-03	7.40E-07	2.58E-07
2094	495111.06, 3859601.99	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.65E-03	7.33E-07	2.55E-07
2095	495161.06, 3859601.99	2.69E-03	4.24E-07	1.48E-07	2.91E-03	4.58E-07	1.60E-07	4.64E-03	7.31E-07	2.55E-07
2096	495211.06, 3859601.99	2.68E-03	4.22E-07	1.47E-07	2.89E-03	4.56E-07	1.59E-07	4.61E-03	7.27E-07	2.53E-07
2097	495261.06, 3859601.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.59E-03	7.24E-07	2.52E-07
2098	495311.06, 3859601.99	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.52E-07	1.58E-07	4.58E-03	7.21E-07	2.51E-07
2099	495361.06, 3859601.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.57E-07	4.55E-03	7.16E-07	2.50E-07
2100	495411.06, 3859601.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.48E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
2101	495461.06, 3859601.99	2.60E-03	4.09E-07	1.43E-07	2.80E-03	4.42E-07	1.54E-07	4.47E-03	7.04E-07	2.45E-07
2102	495511.06, 3859601.99	2.57E-03	4.04E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.42E-03	6.96E-07	2.43E-07
2103	495561.06, 3859601.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
2104	495611.06, 3859601.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.35E-03	6.85E-07	2.39E-07
2105	495661.06, 3859601.99	2.52E-03	3.96E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.33E-03	6.83E-07	2.38E-07
2106	494311.06, 3859651.99	3.04E-03	4.80E-07	1.67E-07	3.29E-03	5.18E-07	1.80E-07	5.23E-03	8.25E-07	2.87E-07
2107	494361.06, 3859651.99	2.99E-03	4.71E-07	1.64E-07	3.23E-03	5.09E-07	1.77E-07	5.15E-03	8.11E-07	2.82E-07
2108	494411.06, 3859651.99	2.97E-03	4.68E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.11E-03	8.05E-07	2.81E-07

2109	494461.06, 3859651.99	2.97E-03	4.68E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.11E-03	8.05E-07	2.81E-07
2110	494511.06, 3859651.99	2.95E-03	4.65E-07	1.62E-07	3.19E-03	5.02E-07	1.75E-07	5.07E-03	7.99E-07	2.78E-07
2111	494561.06, 3859651.99	2.94E-03	4.62E-07	1.61E-07	3.17E-03	4.99E-07	1.74E-07	5.05E-03	7.95E-07	2.77E-07
2112	494611.06, 3859651.99	2.92E-03	4.60E-07	1.60E-07	3.15E-03	4.97E-07	1.73E-07	5.02E-03	7.91E-07	2.76E-07
2113	494661.06, 3859651.99	2.87E-03	4.52E-07	1.57E-07	3.10E-03	4.88E-07	1.70E-07	4.94E-03	7.78E-07	2.71E-07
2114	494711.06, 3859651.99	2.86E-03	4.50E-07	1.57E-07	3.08E-03	4.86E-07	1.69E-07	4.91E-03	7.74E-07	2.70E-07
2115	494761.06, 3859651.99	2.85E-03	4.48E-07	1.56E-07	3.07E-03	4.84E-07	1.69E-07	4.90E-03	7.71E-07	2.69E-07
2116	494811.06, 3859651.99	2.82E-03	4.43E-07	1.55E-07	3.04E-03	4.79E-07	1.67E-07	4.84E-03	7.63E-07	2.66E-07
2117	494861.06, 3859651.99	2.80E-03	4.41E-07	1.54E-07	3.03E-03	4.77E-07	1.66E-07	4.82E-03	7.60E-07	2.65E-07
2118	494911.06, 3859651.99	2.78E-03	4.38E-07	1.53E-07	3.00E-03	4.73E-07	1.65E-07	4.78E-03	7.54E-07	2.63E-07
2119	494961.06, 3859651.99	2.76E-03	4.35E-07	1.52E-07	2.99E-03	4.70E-07	1.64E-07	4.76E-03	7.49E-07	2.61E-07
2120	495011.06, 3859651.99	2.74E-03	4.32E-07	1.51E-07	2.96E-03	4.67E-07	1.63E-07	4.72E-03	7.44E-07	2.59E-07
2121	495061.06, 3859651.99	2.73E-03	4.31E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.70E-03	7.41E-07	2.58E-07
2122	495111.06, 3859651.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.67E-03	7.35E-07	2.56E-07
2123	495161.06, 3859651.99	2.70E-03	4.25E-07	1.48E-07	2.91E-03	4.59E-07	1.60E-07	4.64E-03	7.31E-07	2.55E-07
2124	495211.06, 3859651.99	2.68E-03	4.23E-07	1.47E-07	2.90E-03	4.57E-07	1.59E-07	4.62E-03	7.28E-07	2.54E-07
2125	495261.06, 3859651.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.59E-03	7.24E-07	2.52E-07
2126	495311.06, 3859651.99	2.66E-03	4.18E-07	1.46E-07	2.87E-03	4.52E-07	1.57E-07	4.57E-03	7.20E-07	2.51E-07
2127	495361.06, 3859651.99	2.64E-03	4.17E-07	1.45E-07	2.86E-03	4.50E-07	1.57E-07	4.55E-03	7.17E-07	2.50E-07
2128	495411.06, 3859651.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.13E-07	2.48E-07
2129	495461.06, 3859651.99	2.60E-03	4.09E-07	1.43E-07	2.81E-03	4.42E-07	1.54E-07	4.47E-03	7.05E-07	2.45E-07
2130	495511.06, 3859651.99	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.37E-07	1.52E-07	4.43E-03	6.97E-07	2.43E-07
2131	495561.06, 3859651.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.41E-03	6.94E-07	2.42E-07
2132	495611.06, 3859651.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.51E-07	4.37E-03	6.89E-07	2.40E-07
2133	495661.06, 3859651.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.34E-03	6.83E-07	2.38E-07
2134	494311.06, 3859701.99	2.97E-03	4.68E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.11E-03	8.05E-07	2.80E-07
2135	494361.06, 3859701.99	2.95E-03	4.64E-07	1.62E-07	3.18E-03	5.01E-07	1.75E-07	5.07E-03	7.99E-07	2.78E-07
2136	494411.06, 3859701.99	2.94E-03	4.63E-07	1.61E-07	3.17E-03	5.00E-07	1.74E-07	5.05E-03	7.96E-07	2.77E-07
2137	494461.06, 3859701.99	2.95E-03	4.64E-07	1.62E-07	3.18E-03	5.01E-07	1.75E-07	5.06E-03	7.98E-07	2.78E-07
2138	494511.06, 3859701.99	2.93E-03	4.61E-07	1.61E-07	3.16E-03	4.98E-07	1.73E-07	5.03E-03	7.93E-07	2.76E-07
2139	494561.06, 3859701.99	2.91E-03	4.59E-07	1.60E-07	3.15E-03	4.96E-07	1.73E-07	5.01E-03	7.89E-07	2.75E-07
2140	494611.06, 3859701.99	2.90E-03	4.57E-07	1.59E-07	3.13E-03	4.93E-07	1.72E-07	4.99E-03	7.86E-07	2.74E-07
2141	494661.06, 3859701.99	2.85E-03	4.49E-07	1.56E-07	3.08E-03	4.85E-07	1.69E-07	4.90E-03	7.72E-07	2.69E-07
2142	494711.06, 3859701.99	2.84E-03	4.48E-07	1.56E-07	3.07E-03	4.84E-07	1.69E-07	4.89E-03	7.71E-07	2.69E-07
2143	494761.06, 3859701.99	2.82E-03	4.44E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.85E-03	7.64E-07	2.66E-07
2144	494811.06, 3859701.99	2.80E-03	4.40E-07	1.53E-07	3.02E-03	4.76E-07	1.66E-07	4.81E-03	7.58E-07	2.64E-07
2145	494861.06, 3859701.99	2.79E-03	4.40E-07	1.53E-07	3.02E-03	4.75E-07	1.66E-07	4.81E-03	7.57E-07	2.64E-07
2146	494911.06, 3859701.99	2.77E-03	4.37E-07	1.52E-07	2.99E-03	4.72E-07	1.64E-07	4.77E-03	7.52E-07	2.62E-07
2147	494961.06, 3859701.99	2.75E-03	4.34E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.74E-03	7.46E-07	2.60E-07
2148	495011.06, 3859701.99	2.74E-03	4.32E-07	1.51E-07	2.96E-03	4.67E-07	1.63E-07	4.72E-03	7.43E-07	2.59E-07
2149	495061.06, 3859701.99	2.73E-03	4.30E-07	1.50E-07	2.94E-03	4.64E-07	1.62E-07	4.69E-03	7.39E-07	2.57E-07
2150	495111.06, 3859701.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.66E-03	7.35E-07	2.56E-07
2151	495161.06, 3859701.99	2.69E-03	4.24E-07	1.48E-07	2.91E-03	4.58E-07	1.60E-07	4.63E-03	7.30E-07	2.54E-07
2152	495211.06, 3859701.99	2.67E-03	4.21E-07	1.47E-07	2.88E-03	4.54E-07	1.58E-07	4.60E-03	7.24E-07	2.52E-07
2153	495261.06, 3859701.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.59E-03	7.23E-07	2.52E-07
2154	495311.06, 3859701.99	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.51E-07	1.57E-07	4.56E-03	7.18E-07	2.50E-07
2155	495361.06, 3859701.99	2.63E-03	4.15E-07	1.44E-07	2.84E-03	4.48E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
2156	495411.06, 3859701.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
2157	495461.06, 3859701.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.03E-07	2.45E-07
2158	495511.06, 3859701.99	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.35E-07	1.51E-07	4.40E-03	6.93E-07	2.41E-07
2159	495561.06, 3859701.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.40E-03	6.93E-07	2.42E-07
2160	495611.06, 3859701.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.51E-07	4.37E-03	6.89E-07	2.40E-07
2161	495661.06, 3859701.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.34E-03	6.84E-07	2.38E-07
2162	494311.06, 3859751.99	2.95E-03	4.64E-07	1.62E-07	3.18E-03	5.01E-07	1.75E-07	5.07E-03	7.98E-07	2.78E-07
2163	494361.06, 3859751.99	2.93E-03	4.62E-07	1.61E-07	3.16E-03	4.98E-07	1.74E-07	5.04E-03	7.93E-07	2.76E-07
2164	494411.06, 3859751.99	2.91E-03	4.58E-07	1.60E-07	3.14E-03	4.95E-07	1.72E-07	5.00E-03	7.88E-07	2.74E-07
2165	494461.06, 3859751.99	2.91E-03	4.58E-07	1.60E-07	3.14E-03	4.95E-07	1.72E-07	5.00E-03	7.88E-07	2.74E-07
2166	494511.06, 3859751.99	2.90E-03	4.57E-07	1.59E-07	3.14E-03	4.94E-07	1.72E-07	4.99E-03	7.86E-07	2.74E-07
2167	494561.06, 3859751.99	2.89E-03	4.55E-07	1.58E-07	3.12E-03	4.91E-07	1.71E-07	4.96E-03	7.82E-07	2.72E-07
2168	494611.06, 3859751.99	2.87E-03	4.51E-07	1.57E-07	3.09E-03	4.87E-07	1.70E-07	4.93E-03	7.76E-07	2.70E-07
2169	494661.06, 3859751.99	2.83E-03	4.46E-07	1.55E-07	3.06E-03	4.82E-07	1.68E-07	4.87E-03	7.67E-07	2.67E-07
2170	494711.06, 3859751.99	2.83E-03	4.45E-07	1.55E-07	3.05E-03	4.81E-07	1.67E-07	4.86E-03	7.65E-07	2.67E-07
2171	494761.06, 3859751.99	2.81E-03	4.43E-07	1.54E-07	3.04E-03	4.79E-07	1.67E-07	4.84E-03	7.62E-07	2.66E-07
2172	494811.06, 3859751.99	2.79E-03	4.40E-07	1.53E-07	3.02E-03	4.75E-07	1.66E-07	4.80E-03	7.57E-07	2.64E-07

2173	494861.06, 3859751.99	2.78E-03	4.38E-07	1.53E-07	3.00E-03	4.73E-07	1.65E-07	4.78E-03	7.53E-07	2.62E-07
2174	494911.06, 3859751.99	2.76E-03	4.35E-07	1.52E-07	2.99E-03	4.70E-07	1.64E-07	4.75E-03	7.49E-07	2.61E-07
2175	494961.06, 3859751.99	2.75E-03	4.33E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.73E-03	7.45E-07	2.60E-07
2176	495011.06, 3859751.99	2.73E-03	4.31E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.70E-03	7.41E-07	2.58E-07
2177	495061.06, 3859751.99	2.72E-03	4.29E-07	1.49E-07	2.94E-03	4.63E-07	1.61E-07	4.68E-03	7.38E-07	2.57E-07
2178	495111.06, 3859751.99	2.71E-03	4.26E-07	1.49E-07	2.92E-03	4.60E-07	1.60E-07	4.66E-03	7.33E-07	2.55E-07
2179	495161.06, 3859751.99	2.69E-03	4.23E-07	1.48E-07	2.90E-03	4.57E-07	1.59E-07	4.62E-03	7.28E-07	2.54E-07
2180	495211.06, 3859751.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.59E-03	7.23E-07	2.52E-07
2181	495261.06, 3859751.99	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.52E-07	1.57E-07	4.57E-03	7.20E-07	2.51E-07
2182	495311.06, 3859751.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.54E-03	7.16E-07	2.49E-07
2183	495361.06, 3859751.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.47E-07	1.56E-07	4.52E-03	7.11E-07	2.48E-07
2184	495411.06, 3859751.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
2185	495461.06, 3859751.99	2.59E-03	4.07E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.45E-03	7.01E-07	2.44E-07
2186	495511.06, 3859751.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
2187	495561.06, 3859751.99	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.38E-03	6.91E-07	2.41E-07
2188	495611.06, 3859751.99	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.31E-07	1.50E-07	4.36E-03	6.86E-07	2.39E-07
2189	495661.06, 3859751.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.34E-03	6.83E-07	2.38E-07
2190	494311.06, 3859801.99	2.92E-03	4.60E-07	1.60E-07	3.15E-03	4.97E-07	1.73E-07	5.02E-03	7.91E-07	2.75E-07
2191	494361.06, 3859801.99	2.90E-03	4.57E-07	1.59E-07	3.13E-03	4.93E-07	1.72E-07	4.98E-03	7.84E-07	2.73E-07
2192	494411.06, 3859801.99	2.87E-03	4.53E-07	1.58E-07	3.10E-03	4.89E-07	1.70E-07	4.94E-03	7.78E-07	2.71E-07
2193	494461.06, 3859801.99	2.87E-03	4.53E-07	1.58E-07	3.10E-03	4.89E-07	1.70E-07	4.94E-03	7.78E-07	2.71E-07
2194	494511.06, 3859801.99	2.87E-03	4.53E-07	1.58E-07	3.10E-03	4.89E-07	1.70E-07	4.94E-03	7.78E-07	2.71E-07
2195	494561.06, 3859801.99	2.86E-03	4.50E-07	1.57E-07	3.09E-03	4.86E-07	1.69E-07	4.91E-03	7.74E-07	2.70E-07
2196	494611.06, 3859801.99	2.83E-03	4.46E-07	1.55E-07	3.05E-03	4.81E-07	1.68E-07	4.86E-03	7.66E-07	2.67E-07
2197	494661.06, 3859801.99	2.81E-03	4.43E-07	1.54E-07	3.04E-03	4.78E-07	1.67E-07	4.83E-03	7.61E-07	2.65E-07
2198	494711.06, 3859801.99	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.79E-03	7.55E-07	2.63E-07
2199	494761.06, 3859801.99	2.79E-03	4.40E-07	1.53E-07	3.01E-03	4.75E-07	1.65E-07	4.80E-03	7.56E-07	2.63E-07
2200	494811.06, 3859801.99	2.77E-03	4.37E-07	1.52E-07	2.99E-03	4.72E-07	1.64E-07	4.77E-03	7.51E-07	2.62E-07
2201	494861.06, 3859801.99	2.76E-03	4.35E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.75E-03	7.48E-07	2.61E-07
2202	494911.06, 3859801.99	2.74E-03	4.32E-07	1.50E-07	2.96E-03	4.66E-07	1.63E-07	4.71E-03	7.43E-07	2.59E-07
2203	494961.06, 3859801.99	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.64E-07	1.62E-07	4.69E-03	7.39E-07	2.57E-07
2204	495011.06, 3859801.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.62E-07	1.61E-07	4.67E-03	7.35E-07	2.56E-07
2205	495061.06, 3859801.99	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.65E-03	7.32E-07	2.55E-07
2206	495111.06, 3859801.99	2.68E-03	4.23E-07	1.47E-07	2.90E-03	4.57E-07	1.59E-07	4.62E-03	7.27E-07	2.53E-07
2207	495161.06, 3859801.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.59E-03	7.23E-07	2.52E-07
2208	495211.06, 3859801.99	2.66E-03	4.18E-07	1.46E-07	2.87E-03	4.52E-07	1.57E-07	4.57E-03	7.19E-07	2.51E-07
2209	495261.06, 3859801.99	2.64E-03	4.15E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.54E-03	7.15E-07	2.49E-07
2210	495311.06, 3859801.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.12E-07	2.48E-07
2211	495361.06, 3859801.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
2212	495411.06, 3859801.99	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.02E-07	2.45E-07
2213	495461.06, 3859801.99	2.58E-03	4.06E-07	1.41E-07	2.78E-03	4.38E-07	1.53E-07	4.43E-03	6.98E-07	2.43E-07
2214	495511.06, 3859801.99	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.34E-07	1.51E-07	4.39E-03	6.92E-07	2.41E-07
2215	495561.06, 3859801.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.51E-07	4.37E-03	6.89E-07	2.40E-07
2216	495611.06, 3859801.99	2.53E-03	3.99E-07	1.39E-07	2.74E-03	4.31E-07	1.50E-07	4.36E-03	6.87E-07	2.39E-07
2217	495661.06, 3859801.99	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.28E-07	1.49E-07	4.33E-03	6.81E-07	2.37E-07
2218	494311.06, 3859851.99	2.88E-03	4.54E-07	1.58E-07	3.11E-03	4.91E-07	1.71E-07	4.95E-03	7.80E-07	2.72E-07
2219	494361.06, 3859851.99	2.87E-03	4.52E-07	1.57E-07	3.10E-03	4.88E-07	1.70E-07	4.92E-03	7.76E-07	2.70E-07
2220	494411.06, 3859851.99	2.85E-03	4.48E-07	1.56E-07	3.07E-03	4.84E-07	1.69E-07	4.89E-03	7.70E-07	2.68E-07
2221	494461.06, 3859851.99	2.83E-03	4.46E-07	1.55E-07	3.06E-03	4.82E-07	1.68E-07	4.86E-03	7.66E-07	2.67E-07
2222	494511.06, 3859851.99	2.83E-03	4.45E-07	1.55E-07	3.05E-03	4.81E-07	1.67E-07	4.85E-03	7.65E-07	2.66E-07
2223	494561.06, 3859851.99	2.82E-03	4.45E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.85E-03	7.64E-07	2.66E-07
2224	494611.06, 3859851.99	2.79E-03	4.40E-07	1.53E-07	3.02E-03	4.75E-07	1.66E-07	4.80E-03	7.56E-07	2.63E-07
2225	494661.06, 3859851.99	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.79E-03	7.54E-07	2.63E-07
2226	494711.06, 3859851.99	2.76E-03	4.35E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.75E-03	7.48E-07	2.61E-07
2227	494761.06, 3859851.99	2.76E-03	4.35E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.75E-03	7.48E-07	2.60E-07
2228	494811.06, 3859851.99	2.75E-03	4.33E-07	1.51E-07	2.97E-03	4.67E-07	1.63E-07	4.72E-03	7.44E-07	2.59E-07
2229	494861.06, 3859851.99	2.74E-03	4.31E-07	1.50E-07	2.96E-03	4.66E-07	1.62E-07	4.70E-03	7.41E-07	2.58E-07
2230	494911.06, 3859851.99	2.72E-03	4.29E-07	1.49E-07	2.94E-03	4.63E-07	1.61E-07	4.68E-03	7.37E-07	2.57E-07
2231	494961.06, 3859851.99	2.71E-03	4.26E-07	1.49E-07	2.92E-03	4.60E-07	1.60E-07	4.65E-03	7.33E-07	2.55E-07
2232	495011.06, 3859851.99	2.69E-03	4.24E-07	1.48E-07	2.91E-03	4.58E-07	1.60E-07	4.63E-03	7.29E-07	2.54E-07
2233	495061.06, 3859851.99	2.68E-03	4.23E-07	1.47E-07	2.90E-03	4.56E-07	1.59E-07	4.61E-03	7.26E-07	2.53E-07
2234	495111.06, 3859851.99	2.66E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.22E-07	2.51E-07
2235	495161.06, 3859851.99	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.51E-07	1.57E-07	4.56E-03	7.18E-07	2.50E-07
2236	495211.06, 3859851.99	2.64E-03	4.15E-07	1.45E-07	2.85E-03	4.48E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07

2237	495261.06, 3859851.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.51E-03	7.10E-07	2.47E-07
2238	495311.06, 3859851.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
2239	495361.06, 3859851.99	2.60E-03	4.09E-07	1.42E-07	2.80E-03	4.42E-07	1.54E-07	4.46E-03	7.03E-07	2.45E-07
2240	495411.06, 3859851.99	2.58E-03	4.06E-07	1.42E-07	2.78E-03	4.39E-07	1.53E-07	4.43E-03	6.99E-07	2.43E-07
2241	495461.06, 3859851.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.41E-03	6.94E-07	2.42E-07
2242	495511.06, 3859851.99	2.54E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.37E-03	6.89E-07	2.40E-07
2243	495561.06, 3859851.99	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.31E-07	1.50E-07	4.36E-03	6.86E-07	2.39E-07
2244	495611.06, 3859851.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.34E-03	6.83E-07	2.38E-07
2245	495661.06, 3859851.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.31E-03	6.78E-07	2.36E-07
2246	494311.06, 3859901.99	2.84E-03	4.48E-07	1.56E-07	3.07E-03	4.84E-07	1.69E-07	4.89E-03	7.70E-07	2.68E-07
2247	494361.06, 3859901.99	2.82E-03	4.44E-07	1.55E-07	3.05E-03	4.80E-07	1.67E-07	4.84E-03	7.63E-07	2.66E-07
2248	494411.06, 3859901.99	2.81E-03	4.43E-07	1.54E-07	3.04E-03	4.78E-07	1.67E-07	4.83E-03	7.61E-07	2.65E-07
2249	494461.06, 3859901.99	2.80E-03	4.41E-07	1.54E-07	3.02E-03	4.76E-07	1.66E-07	4.81E-03	7.57E-07	2.64E-07
2250	494511.06, 3859901.99	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.79E-03	7.55E-07	2.63E-07
2251	494561.06, 3859901.99	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.74E-07	1.65E-07	4.79E-03	7.55E-07	2.63E-07
2252	494611.06, 3859901.99	2.76E-03	4.35E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.74E-03	7.47E-07	2.60E-07
2253	494661.06, 3859901.99	2.76E-03	4.35E-07	1.51E-07	2.98E-03	4.69E-07	1.63E-07	4.74E-03	7.46E-07	2.60E-07
2254	494711.06, 3859901.99	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.69E-03	7.39E-07	2.58E-07
2255	494761.06, 3859901.99	2.73E-03	4.29E-07	1.50E-07	2.94E-03	4.64E-07	1.61E-07	4.68E-03	7.38E-07	2.57E-07
2256	494811.06, 3859901.99	2.72E-03	4.28E-07	1.49E-07	2.94E-03	4.63E-07	1.61E-07	4.67E-03	7.36E-07	2.56E-07
2257	494861.06, 3859901.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.66E-03	7.33E-07	2.56E-07
2258	494911.06, 3859901.99	2.69E-03	4.24E-07	1.48E-07	2.91E-03	4.58E-07	1.60E-07	4.63E-03	7.29E-07	2.54E-07
2259	494961.06, 3859901.99	2.68E-03	4.23E-07	1.47E-07	2.90E-03	4.56E-07	1.59E-07	4.61E-03	7.26E-07	2.53E-07
2260	495011.06, 3859901.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.58E-03	7.22E-07	2.52E-07
2261	495061.06, 3859901.99	2.65E-03	4.18E-07	1.46E-07	2.87E-03	4.52E-07	1.57E-07	4.56E-03	7.19E-07	2.50E-07
2262	495111.06, 3859901.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
2263	495161.06, 3859901.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.51E-03	7.10E-07	2.47E-07
2264	495211.06, 3859901.99	2.61E-03	4.12E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
2265	495261.06, 3859901.99	2.59E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.02E-07	2.45E-07
2266	495311.06, 3859901.99	2.58E-03	4.07E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.44E-03	7.00E-07	2.44E-07
2267	495361.06, 3859901.99	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.37E-07	1.52E-07	4.42E-03	6.96E-07	2.43E-07
2268	495411.06, 3859901.99	2.55E-03	4.02E-07	1.40E-07	2.76E-03	4.34E-07	1.51E-07	4.39E-03	6.92E-07	2.41E-07
2269	495461.06, 3859901.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.50E-07	4.37E-03	6.88E-07	2.40E-07
2270	495511.06, 3859901.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.35E-03	6.85E-07	2.39E-07
2271	495561.06, 3859901.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.33E-03	6.82E-07	2.38E-07
2272	495611.06, 3859901.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.30E-03	6.78E-07	2.36E-07
2273	495661.06, 3859901.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.23E-07	1.47E-07	4.27E-03	6.73E-07	2.35E-07
2274	494311.06, 3859951.99	2.81E-03	4.42E-07	1.54E-07	3.03E-03	4.77E-07	1.66E-07	4.82E-03	7.59E-07	2.65E-07
2275	494361.06, 3859951.99	2.79E-03	4.40E-07	1.53E-07	3.01E-03	4.75E-07	1.65E-07	4.79E-03	7.55E-07	2.63E-07
2276	494411.06, 3859951.99	2.78E-03	4.37E-07	1.52E-07	3.00E-03	4.72E-07	1.64E-07	4.77E-03	7.51E-07	2.62E-07
2277	494461.06, 3859951.99	2.76E-03	4.35E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.74E-03	7.47E-07	2.60E-07
2278	494511.06, 3859951.99	2.75E-03	4.34E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.73E-03	7.45E-07	2.60E-07
2279	494561.06, 3859951.99	2.75E-03	4.34E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.73E-03	7.45E-07	2.60E-07
2280	494611.06, 3859951.99	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.69E-03	7.39E-07	2.58E-07
2281	494661.06, 3859951.99	2.73E-03	4.30E-07	1.50E-07	2.94E-03	4.64E-07	1.62E-07	4.68E-03	7.38E-07	2.57E-07
2282	494711.06, 3859951.99	2.71E-03	4.26E-07	1.49E-07	2.92E-03	4.60E-07	1.60E-07	4.65E-03	7.32E-07	2.55E-07
2283	494761.06, 3859951.99	2.70E-03	4.25E-07	1.48E-07	2.91E-03	4.59E-07	1.60E-07	4.63E-03	7.30E-07	2.54E-07
2284	494811.06, 3859951.99	2.69E-03	4.23E-07	1.47E-07	2.90E-03	4.57E-07	1.59E-07	4.61E-03	7.27E-07	2.53E-07
2285	494861.06, 3859951.99	2.68E-03	4.22E-07	1.47E-07	2.89E-03	4.56E-07	1.59E-07	4.60E-03	7.25E-07	2.53E-07
2286	494911.06, 3859951.99	2.66E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.21E-07	2.51E-07
2287	494961.06, 3859951.99	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.51E-07	1.57E-07	4.55E-03	7.17E-07	2.50E-07
2288	495011.06, 3859951.99	2.64E-03	4.15E-07	1.45E-07	2.85E-03	4.48E-07	1.56E-07	4.53E-03	7.13E-07	2.49E-07
2289	495061.06, 3859951.99	2.62E-03	4.14E-07	1.44E-07	2.83E-03	4.46E-07	1.56E-07	4.51E-03	7.10E-07	2.48E-07
2290	495111.06, 3859951.99	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.48E-03	7.06E-07	2.46E-07
2291	495161.06, 3859951.99	2.59E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.02E-07	2.45E-07
2292	495211.06, 3859951.99	2.58E-03	4.06E-07	1.42E-07	2.78E-03	4.39E-07	1.53E-07	4.43E-03	6.98E-07	2.43E-07
2293	495261.06, 3859951.99	2.57E-03	4.04E-07	1.41E-07	2.77E-03	4.37E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
2294	495311.06, 3859951.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.40E-03	6.93E-07	2.41E-07
2295	495361.06, 3859951.99	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.38E-03	6.90E-07	2.40E-07
2296	495411.06, 3859951.99	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.31E-07	1.50E-07	4.35E-03	6.86E-07	2.39E-07
2297	495461.06, 3859951.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.33E-03	6.82E-07	2.38E-07
2298	495511.06, 3859951.99	2.50E-03	3.95E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.31E-03	6.78E-07	2.36E-07
2299	495561.06, 3859951.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.29E-03	6.77E-07	2.36E-07
2300	495611.06, 3859951.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.27E-03	6.73E-07	2.34E-07

2301	495661.06, 3859951.99	2.47E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.24E-03	6.68E-07	2.33E-07
2302	494311.06, 3860001.99	2.77E-03	4.36E-07	1.52E-07	2.99E-03	4.71E-07	1.64E-07	4.75E-03	7.49E-07	2.61E-07
2303	494361.06, 3860001.99	2.76E-03	4.34E-07	1.51E-07	2.97E-03	4.69E-07	1.63E-07	4.73E-03	7.45E-07	2.60E-07
2304	494411.06, 3860001.99	2.74E-03	4.31E-07	1.50E-07	2.96E-03	4.66E-07	1.62E-07	4.70E-03	7.41E-07	2.58E-07
2305	494461.06, 3860001.99	2.73E-03	4.30E-07	1.50E-07	2.94E-03	4.64E-07	1.62E-07	4.68E-03	7.38E-07	2.57E-07
2306	494511.06, 3860001.99	2.71E-03	4.27E-07	1.49E-07	2.93E-03	4.61E-07	1.61E-07	4.66E-03	7.34E-07	2.56E-07
2307	494561.06, 3860001.99	2.72E-03	4.28E-07	1.49E-07	2.93E-03	4.62E-07	1.61E-07	4.67E-03	7.35E-07	2.56E-07
2308	494611.06, 3860001.99	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.64E-03	7.31E-07	2.55E-07
2309	494661.06, 3860001.99	2.69E-03	4.24E-07	1.48E-07	2.91E-03	4.58E-07	1.60E-07	4.62E-03	7.28E-07	2.54E-07
2310	494711.06, 3860001.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.21E-07	2.51E-07
2311	494761.06, 3860001.99	2.66E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.21E-07	2.51E-07
2312	494811.06, 3860001.99	2.66E-03	4.18E-07	1.46E-07	2.87E-03	4.52E-07	1.57E-07	4.56E-03	7.18E-07	2.50E-07
2313	494861.06, 3860001.99	2.65E-03	4.17E-07	1.45E-07	2.86E-03	4.50E-07	1.57E-07	4.55E-03	7.16E-07	2.50E-07
2314	494911.06, 3860001.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.51E-03	7.10E-07	2.47E-07
2315	494961.06, 3860001.99	2.62E-03	4.12E-07	1.44E-07	2.82E-03	4.45E-07	1.55E-07	4.49E-03	7.08E-07	2.47E-07
2316	495011.06, 3860001.99	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.42E-07	1.54E-07	4.47E-03	7.04E-07	2.45E-07
2317	495061.06, 3860001.99	2.59E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.02E-07	2.45E-07
2318	495111.06, 3860001.99	2.58E-03	4.06E-07	1.42E-07	2.79E-03	4.39E-07	1.53E-07	4.43E-03	6.98E-07	2.43E-07
2319	495161.06, 3860001.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.41E-03	6.94E-07	2.42E-07
2320	495211.06, 3860001.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.39E-03	6.92E-07	2.41E-07
2321	495261.06, 3860001.99	2.54E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.37E-03	6.89E-07	2.40E-07
2322	495311.06, 3860001.99	2.53E-03	3.99E-07	1.39E-07	2.74E-03	4.31E-07	1.50E-07	4.35E-03	6.86E-07	2.39E-07
2323	495361.06, 3860001.99	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.28E-07	1.49E-07	4.32E-03	6.81E-07	2.37E-07
2324	495411.06, 3860001.99	2.51E-03	3.95E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.31E-03	6.79E-07	2.37E-07
2325	495461.06, 3860001.99	2.50E-03	3.93E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.29E-03	6.76E-07	2.35E-07
2326	495511.06, 3860001.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.23E-07	1.47E-07	4.27E-03	6.73E-07	2.34E-07
2327	495561.06, 3860001.99	2.48E-03	3.90E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.26E-03	6.70E-07	2.34E-07
2328	495611.06, 3860001.99	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.66E-07	2.32E-07
2329	495661.06, 3860001.99	2.45E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.21E-03	6.63E-07	2.31E-07
2330	494411.06, 3860051.99	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.64E-03	7.31E-07	2.55E-07
2331	494461.06, 3860051.99	2.69E-03	4.24E-07	1.48E-07	2.90E-03	4.58E-07	1.59E-07	4.62E-03	7.28E-07	2.54E-07
2332	494511.06, 3860051.99	2.68E-03	4.22E-07	1.47E-07	2.89E-03	4.56E-07	1.59E-07	4.60E-03	7.25E-07	2.52E-07
2333	494561.06, 3860051.99	2.67E-03	4.21E-07	1.47E-07	2.89E-03	4.55E-07	1.58E-07	4.59E-03	7.24E-07	2.52E-07
2334	494611.06, 3860051.99	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.21E-07	2.51E-07
2335	494661.06, 3860051.99	2.66E-03	4.18E-07	1.46E-07	2.87E-03	4.52E-07	1.57E-07	4.56E-03	7.19E-07	2.50E-07
2336	494711.06, 3860051.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
2337	494761.06, 3860051.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.11E-07	2.48E-07
2338	494811.06, 3860051.99	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.51E-03	7.10E-07	2.47E-07
2339	494861.06, 3860051.99	2.62E-03	4.12E-07	1.44E-07	2.82E-03	4.45E-07	1.55E-07	4.49E-03	7.08E-07	2.47E-07
2340	494911.06, 3860051.99	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.47E-03	7.04E-07	2.45E-07
2341	494961.06, 3860051.99	2.59E-03	4.08E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.44E-03	7.00E-07	2.44E-07
2342	495011.06, 3860051.99	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.38E-07	1.52E-07	4.42E-03	6.96E-07	2.43E-07
2343	495061.06, 3860051.99	2.56E-03	4.03E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.40E-03	6.93E-07	2.41E-07
2344	495111.06, 3860051.99	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.37E-03	6.89E-07	2.40E-07
2345	495161.06, 3860051.99	2.53E-03	3.99E-07	1.39E-07	2.74E-03	4.31E-07	1.50E-07	4.35E-03	6.86E-07	2.39E-07
2346	495211.06, 3860051.99	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.29E-07	1.49E-07	4.33E-03	6.82E-07	2.38E-07
2347	495261.06, 3860051.99	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.32E-03	6.80E-07	2.37E-07
2348	495311.06, 3860051.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.30E-03	6.78E-07	2.36E-07
2349	495361.06, 3860051.99	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.28E-03	6.75E-07	2.35E-07
2350	495411.06, 3860051.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.27E-03	6.72E-07	2.34E-07
2351	495461.06, 3860051.99	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.25E-03	6.69E-07	2.33E-07
2352	495511.06, 3860051.99	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.66E-07	2.32E-07
2353	495561.06, 3860051.99	2.45E-03	3.86E-07	1.34E-07	2.65E-03	4.17E-07	1.45E-07	4.21E-03	6.63E-07	2.31E-07
2354	495611.06, 3860051.99	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.15E-07	1.44E-07	4.19E-03	6.60E-07	2.30E-07
2355	495661.06, 3860051.99	2.42E-03	3.82E-07	1.33E-07	2.62E-03	4.12E-07	1.44E-07	4.16E-03	6.56E-07	2.29E-07
2356	494411.06, 3860101.99	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.52E-07	1.58E-07	4.57E-03	7.19E-07	2.51E-07
2357	494461.06, 3860101.99	2.65E-03	4.18E-07	1.46E-07	2.87E-03	4.51E-07	1.57E-07	4.56E-03	7.18E-07	2.50E-07
2358	494511.06, 3860101.99	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
2359	494561.06, 3860101.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.52E-03	7.12E-07	2.48E-07
2360	494611.06, 3860101.99	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.51E-03	7.11E-07	2.48E-07
2361	494661.06, 3860101.99	2.62E-03	4.12E-07	1.44E-07	2.83E-03	4.45E-07	1.55E-07	4.50E-03	7.08E-07	2.47E-07
2362	494711.06, 3860101.99	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.47E-03	7.04E-07	2.45E-07
2363	494761.06, 3860101.99	2.59E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.02E-07	2.45E-07
2364	494811.06, 3860101.99	2.59E-03	4.07E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.44E-03	6.99E-07	2.44E-07

2365	494861.06, 3860101.99	2.58E-03	4.07E-07	1.42E-07	2.79E-03	4.40E-07	1.53E-07	4.44E-03	6.99E-07	2.44E-07
2366	494911.06, 3860101.99	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.40E-03	6.93E-07	2.41E-07
2367	494961.06, 3860101.99	2.55E-03	4.02E-07	1.40E-07	2.75E-03	4.34E-07	1.51E-07	4.38E-03	6.90E-07	2.41E-07
2368	495011.06, 3860101.99	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.50E-07	4.36E-03	6.87E-07	2.39E-07
2369	495061.06, 3860101.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.34E-03	6.84E-07	2.38E-07
2370	495111.06, 3860101.99	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.31E-03	6.80E-07	2.37E-07
2371	495161.06, 3860101.99	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
2372	495211.06, 3860101.99	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.28E-03	6.74E-07	2.35E-07
2373	495261.06, 3860101.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.26E-03	6.71E-07	2.34E-07
2374	495311.06, 3860101.99	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.25E-03	6.69E-07	2.33E-07
2375	495361.06, 3860101.99	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.67E-07	2.32E-07
2376	495411.06, 3860101.99	2.45E-03	3.86E-07	1.35E-07	2.65E-03	4.17E-07	1.45E-07	4.21E-03	6.64E-07	2.31E-07
2377	495461.06, 3860101.99	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.15E-07	1.45E-07	4.19E-03	6.60E-07	2.30E-07
2378	495511.06, 3860101.99	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
2379	495561.06, 3860101.99	2.42E-03	3.82E-07	1.33E-07	2.62E-03	4.12E-07	1.44E-07	4.16E-03	6.56E-07	2.29E-07
2380	495611.06, 3860101.99	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.14E-03	6.52E-07	2.27E-07
2381	495661.06, 3860101.99	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.12E-03	6.49E-07	2.26E-07
2382	494861.06, 3860151.99	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.40E-03	6.94E-07	2.42E-07
2383	494911.06, 3860151.99	2.53E-03	3.98E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.34E-03	6.84E-07	2.38E-07
2384	494961.06, 3860151.99	2.52E-03	3.96E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.32E-03	6.81E-07	2.37E-07
2385	495011.06, 3860151.99	2.50E-03	3.95E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.30E-03	6.78E-07	2.36E-07
2386	495061.06, 3860151.99	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.28E-03	6.74E-07	2.35E-07
2387	495111.06, 3860151.99	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.26E-03	6.72E-07	2.34E-07
2388	495161.06, 3860151.99	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.25E-03	6.69E-07	2.33E-07
2389	495211.06, 3860151.99	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.66E-07	2.32E-07
2390	495261.06, 3860151.99	2.45E-03	3.86E-07	1.35E-07	2.65E-03	4.17E-07	1.45E-07	4.21E-03	6.63E-07	2.31E-07
2391	495311.06, 3860151.99	2.44E-03	3.85E-07	1.34E-07	2.64E-03	4.15E-07	1.45E-07	4.19E-03	6.61E-07	2.30E-07
2392	495361.06, 3860151.99	2.43E-03	3.83E-07	1.33E-07	2.63E-03	4.14E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
2393	495411.06, 3860151.99	2.42E-03	3.82E-07	1.33E-07	2.62E-03	4.12E-07	1.44E-07	4.16E-03	6.56E-07	2.28E-07
2394	495461.06, 3860151.99	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.14E-03	6.53E-07	2.27E-07
2395	495511.06, 3860151.99	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.13E-03	6.50E-07	2.26E-07
2396	495561.06, 3860151.99	2.39E-03	3.77E-07	1.31E-07	2.58E-03	4.07E-07	1.42E-07	4.11E-03	6.48E-07	2.26E-07
2397	495611.06, 3860151.99	2.38E-03	3.75E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.09E-03	6.45E-07	2.25E-07
2398	495661.06, 3860151.99	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.40E-07	4.07E-03	6.42E-07	2.23E-07
2399	495718.25, 3859442.96	2.45E-03	3.86E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.22E-03	6.64E-07	2.31E-07
2400	495818.25, 3859442.96	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.09E-07	1.42E-07	4.14E-03	6.52E-07	2.27E-07
2401	495918.25, 3859442.96	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.40E-07	4.08E-03	6.43E-07	2.24E-07
2402	496018.25, 3859442.96	2.34E-03	3.69E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.04E-03	6.36E-07	2.21E-07
2403	496118.25, 3859442.96	2.36E-03	3.72E-07	1.29E-07	2.55E-03	4.01E-07	1.40E-07	4.06E-03	6.40E-07	2.23E-07
2404	496218.25, 3859442.96	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.40E-07	4.08E-03	6.43E-07	2.24E-07
2405	496318.25, 3859442.96	2.34E-03	3.69E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.04E-03	6.36E-07	2.22E-07
2406	496418.25, 3859442.96	2.32E-03	3.65E-07	1.27E-07	2.50E-03	3.95E-07	1.37E-07	4.00E-03	6.29E-07	2.19E-07
2407	495718.25, 3859542.96	2.48E-03	3.91E-07	1.36E-07	2.68E-03	4.22E-07	1.47E-07	4.27E-03	6.73E-07	2.35E-07
2408	495818.25, 3859542.96	2.45E-03	3.86E-07	1.34E-07	2.64E-03	4.17E-07	1.45E-07	4.22E-03	6.65E-07	2.32E-07
2409	495918.25, 3859542.96	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
2410	496018.25, 3859542.96	2.37E-03	3.74E-07	1.30E-07	2.57E-03	4.04E-07	1.41E-07	4.09E-03	6.45E-07	2.25E-07
2411	496118.25, 3859542.96	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.42E-07	4.11E-03	6.48E-07	2.26E-07
2412	496218.25, 3859542.96	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.41E-07	4.11E-03	6.48E-07	2.26E-07
2413	496318.25, 3859542.96	2.38E-03	3.75E-07	1.30E-07	2.57E-03	4.05E-07	1.41E-07	4.10E-03	6.45E-07	2.25E-07
2414	496418.25, 3859542.96	2.34E-03	3.69E-07	1.29E-07	2.53E-03	3.99E-07	1.39E-07	4.04E-03	6.36E-07	2.22E-07
2415	495718.25, 3859642.96	2.49E-03	3.92E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.29E-03	6.76E-07	2.35E-07
2416	495818.25, 3859642.96	2.45E-03	3.87E-07	1.35E-07	2.65E-03	4.18E-07	1.45E-07	4.23E-03	6.66E-07	2.32E-07
2417	495918.25, 3859642.96	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.19E-03	6.59E-07	2.30E-07
2418	496018.25, 3859642.96	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.13E-03	6.51E-07	2.27E-07
2419	496118.25, 3859642.96	2.41E-03	3.80E-07	1.32E-07	2.61E-03	4.10E-07	1.43E-07	4.16E-03	6.55E-07	2.28E-07
2420	496218.25, 3859642.96	2.41E-03	3.80E-07	1.32E-07	2.61E-03	4.11E-07	1.43E-07	4.16E-03	6.55E-07	2.28E-07
2421	496318.25, 3859642.96	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.42E-07	4.11E-03	6.48E-07	2.26E-07
2422	496418.25, 3859642.96	2.29E-03	3.62E-07	1.26E-07	2.48E-03	3.91E-07	1.36E-07	3.95E-03	6.23E-07	2.17E-07
2423	495718.25, 3859742.96	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.31E-03	6.79E-07	2.37E-07
2424	495818.25, 3859742.96	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.24E-03	6.68E-07	2.33E-07
2425	495918.25, 3859742.96	2.43E-03	3.83E-07	1.34E-07	2.63E-03	4.14E-07	1.44E-07	4.19E-03	6.60E-07	2.30E-07
2426	496018.25, 3859742.96	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.09E-07	1.42E-07	4.14E-03	6.52E-07	2.27E-07
2427	496118.25, 3859742.96	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.15E-03	6.53E-07	2.28E-07
2428	496218.25, 3859742.96	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.12E-07	1.43E-07	4.17E-03	6.56E-07	2.29E-07

2429	496318.25, 3859742.96	2.35E-03	3.70E-07	1.29E-07	2.54E-03	4.00E-07	1.39E-07	4.04E-03	6.37E-07	2.22E-07
2430	496418.25, 3859742.96	2.28E-03	3.59E-07	1.25E-07	2.46E-03	3.88E-07	1.35E-07	3.93E-03	6.19E-07	2.16E-07
2431	495718.25, 3859842.96	2.49E-03	3.92E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.28E-03	6.75E-07	2.35E-07
2432	495818.25, 3859842.96	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.24E-03	6.67E-07	2.32E-07
2433	495918.25, 3859842.96	2.43E-03	3.83E-07	1.33E-07	2.63E-03	4.14E-07	1.44E-07	4.19E-03	6.59E-07	2.30E-07
2434	496018.25, 3859842.96	2.41E-03	3.80E-07	1.32E-07	2.61E-03	4.11E-07	1.43E-07	4.15E-03	6.54E-07	2.28E-07
2435	496118.25, 3859842.96	2.43E-03	3.82E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
2436	496218.25, 3859842.96	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.40E-07	4.07E-03	6.42E-07	2.24E-07
2437	496318.25, 3859842.96	2.24E-03	3.53E-07	1.23E-07	2.42E-03	3.82E-07	1.33E-07	3.86E-03	6.09E-07	2.12E-07
2438	496418.25, 3859842.96	2.16E-03	3.40E-07	1.18E-07	2.33E-03	3.67E-07	1.28E-07	3.72E-03	5.85E-07	2.04E-07
2439	495718.25, 3859942.96	2.46E-03	3.87E-07	1.35E-07	2.65E-03	4.18E-07	1.46E-07	4.23E-03	6.66E-07	2.32E-07
2440	495818.25, 3859942.96	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
2441	495918.25, 3859942.96	2.41E-03	3.80E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.14E-03	6.53E-07	2.27E-07
2442	496018.25, 3859942.96	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.10E-07	1.43E-07	4.14E-03	6.52E-07	2.27E-07
2443	496118.25, 3859942.96	2.37E-03	3.73E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.07E-03	6.41E-07	2.23E-07
2444	496218.25, 3859942.96	2.29E-03	3.61E-07	1.26E-07	2.48E-03	3.90E-07	1.36E-07	3.95E-03	6.22E-07	2.17E-07
2445	496318.25, 3859942.96	2.22E-03	3.49E-07	1.22E-07	2.39E-03	3.77E-07	1.31E-07	3.82E-03	6.01E-07	2.09E-07
2446	496418.25, 3859942.96	2.10E-03	3.31E-07	1.15E-07	2.27E-03	3.58E-07	1.25E-07	3.62E-03	5.70E-07	1.99E-07
2447	496856.82, 3858864.83	1.96E-03	3.08E-07	1.07E-07	2.11E-03	3.33E-07	1.16E-07	3.37E-03	5.31E-07	1.85E-07
2448	496956.82, 3858864.83	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.32E-03	5.23E-07	1.82E-07
2449	497056.82, 3858864.83	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.23E-07	1.13E-07	3.27E-03	5.15E-07	1.79E-07
2450	497156.82, 3858864.83	1.87E-03	2.94E-07	1.02E-07	2.02E-03	3.17E-07	1.11E-07	3.21E-03	5.06E-07	1.76E-07
2451	497256.82, 3858864.83	1.86E-03	2.92E-07	1.02E-07	2.00E-03	3.16E-07	1.10E-07	3.19E-03	5.03E-07	1.75E-07
2452	496856.82, 3858964.83	2.01E-03	3.16E-07	1.10E-07	2.17E-03	3.41E-07	1.19E-07	3.45E-03	5.44E-07	1.89E-07
2453	496956.82, 3858964.83	1.96E-03	3.09E-07	1.08E-07	2.12E-03	3.34E-07	1.16E-07	3.38E-03	5.32E-07	1.85E-07
2454	497056.82, 3858964.83	1.93E-03	3.04E-07	1.06E-07	2.09E-03	3.29E-07	1.14E-07	3.32E-03	5.24E-07	1.82E-07
2455	497156.82, 3858964.83	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.23E-07	1.13E-07	3.27E-03	5.15E-07	1.79E-07
2456	497256.82, 3858964.83	1.92E-03	3.02E-07	1.05E-07	2.07E-03	3.26E-07	1.14E-07	3.30E-03	5.19E-07	1.81E-07
2457	496856.82, 3859064.83	2.02E-03	3.19E-07	1.11E-07	2.19E-03	3.44E-07	1.20E-07	3.48E-03	5.49E-07	1.91E-07
2458	496956.82, 3859064.83	1.99E-03	3.13E-07	1.09E-07	2.15E-03	3.38E-07	1.18E-07	3.42E-03	5.39E-07	1.88E-07
2459	497056.82, 3859064.83	1.96E-03	3.09E-07	1.08E-07	2.12E-03	3.34E-07	1.16E-07	3.38E-03	5.32E-07	1.85E-07
2460	497156.82, 3859064.83	1.94E-03	3.05E-07	1.06E-07	2.09E-03	3.30E-07	1.15E-07	3.34E-03	5.26E-07	1.83E-07
2461	497256.82, 3859064.83	1.97E-03	3.11E-07	1.08E-07	2.13E-03	3.35E-07	1.17E-07	3.39E-03	5.35E-07	1.86E-07
2462	496856.82, 3859164.83	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.48E-03	5.48E-07	1.91E-07
2463	496956.82, 3859164.83	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.18E-07	3.41E-03	5.38E-07	1.87E-07
2464	497056.82, 3859164.83	1.97E-03	3.10E-07	1.08E-07	2.13E-03	3.35E-07	1.17E-07	3.39E-03	5.34E-07	1.86E-07
2465	497156.82, 3859164.83	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.41E-03	5.37E-07	1.87E-07
2466	497256.82, 3859164.83	2.02E-03	3.19E-07	1.11E-07	2.19E-03	3.45E-07	1.20E-07	3.49E-03	5.49E-07	1.91E-07
2467	496856.82, 3859264.83	2.00E-03	3.15E-07	1.10E-07	2.16E-03	3.41E-07	1.19E-07	3.45E-03	5.43E-07	1.89E-07
2468	496956.82, 3859264.83	2.00E-03	3.15E-07	1.10E-07	2.16E-03	3.40E-07	1.18E-07	3.44E-03	5.42E-07	1.89E-07
2469	497056.82, 3859264.83	2.01E-03	3.17E-07	1.10E-07	2.17E-03	3.42E-07	1.19E-07	3.46E-03	5.46E-07	1.90E-07
2470	497156.82, 3859264.83	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.48E-03	5.49E-07	1.91E-07
2471	497256.82, 3859264.83	2.06E-03	3.24E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.54E-03	5.58E-07	1.94E-07
2472	497088.92, 3858620.93	1.78E-03	2.81E-07	9.78E-08	1.92E-03	3.03E-07	1.06E-07	3.07E-03	4.83E-07	1.68E-07
2473	497138.92, 3858620.93	1.78E-03	2.80E-07	9.77E-08	1.92E-03	3.03E-07	1.05E-07	3.06E-03	4.82E-07	1.68E-07
2474	497188.92, 3858620.93	1.77E-03	2.78E-07	9.70E-08	1.91E-03	3.01E-07	1.05E-07	3.04E-03	4.79E-07	1.67E-07
2475	497238.92, 3858620.93	1.76E-03	2.77E-07	9.65E-08	1.90E-03	2.99E-07	1.04E-07	3.02E-03	4.76E-07	1.66E-07
2476	497088.92, 3858670.93	1.79E-03	2.81E-07	9.80E-08	1.93E-03	3.04E-07	1.06E-07	3.07E-03	4.84E-07	1.69E-07
2477	497138.92, 3858670.93	1.79E-03	2.82E-07	9.83E-08	1.94E-03	3.05E-07	1.06E-07	3.08E-03	4.85E-07	1.69E-07
2478	497188.92, 3858670.93	1.78E-03	2.80E-07	9.75E-08	1.92E-03	3.02E-07	1.05E-07	3.06E-03	4.81E-07	1.68E-07
2479	497238.92, 3858670.93	1.77E-03	2.79E-07	9.73E-08	1.91E-03	3.02E-07	1.05E-07	3.05E-03	4.80E-07	1.67E-07
2480	497088.92, 3858720.93	1.82E-03	2.87E-07	1.00E-07	1.97E-03	3.10E-07	1.08E-07	3.14E-03	4.94E-07	1.72E-07
2481	497138.92, 3858720.93	1.78E-03	2.81E-07	9.78E-08	1.92E-03	3.03E-07	1.06E-07	3.06E-03	4.83E-07	1.68E-07
2482	497188.92, 3858720.93	1.77E-03	2.79E-07	9.72E-08	1.91E-03	3.01E-07	1.05E-07	3.05E-03	4.80E-07	1.67E-07
2483	497238.92, 3858720.93	1.79E-03	2.82E-07	9.84E-08	1.94E-03	3.05E-07	1.06E-07	3.08E-03	4.86E-07	1.69E-07
2484	497088.92, 3858770.93	1.83E-03	2.89E-07	1.01E-07	1.98E-03	3.12E-07	1.09E-07	3.15E-03	4.97E-07	1.73E-07
2485	497138.92, 3858770.93	1.82E-03	2.86E-07	9.96E-08	1.96E-03	3.09E-07	1.08E-07	3.12E-03	4.92E-07	1.71E-07
2486	497188.92, 3858770.93	1.80E-03	2.84E-07	9.88E-08	1.94E-03	3.06E-07	1.07E-07	3.10E-03	4.88E-07	1.70E-07
2487	497238.92, 3858770.93	1.81E-03	2.86E-07	9.95E-08	1.96E-03	3.08E-07	1.07E-07	3.12E-03	4.91E-07	1.71E-07
2488	497396.65, 3858622.63	1.82E-03	2.87E-07	1.00E-07	1.97E-03	3.10E-07	1.08E-07	3.14E-03	4.94E-07	1.72E-07
2489	497496.65, 3858622.63	1.86E-03	2.93E-07	1.02E-07	2.01E-03	3.16E-07	1.10E-07	3.20E-03	5.04E-07	1.76E-07
2490	497596.65, 3858622.63	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.32E-03	5.22E-07	1.82E-07
2491	497696.65, 3858622.63	1.95E-03	3.07E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.35E-03	5.28E-07	1.84E-07
2492	497796.65, 3858622.63	1.99E-03	3.13E-07	1.09E-07	2.15E-03	3.38E-07	1.18E-07	3.43E-03	5.40E-07	1.88E-07

2493	497896.65, 3858622.63	2.03E-03	3.20E-07	1.12E-07	2.20E-03	3.46E-07	1.20E-07	3.50E-03	5.51E-07	1.92E-07
2494	497396.65, 3858722.63	1.87E-03	2.95E-07	1.03E-07	2.02E-03	3.18E-07	1.11E-07	3.22E-03	5.07E-07	1.77E-07
2495	497496.65, 3858722.63	1.91E-03	3.00E-07	1.05E-07	2.06E-03	3.24E-07	1.13E-07	3.28E-03	5.17E-07	1.80E-07
2496	497596.65, 3858722.63	1.97E-03	3.11E-07	1.08E-07	2.13E-03	3.36E-07	1.17E-07	3.40E-03	5.35E-07	1.86E-07
2497	497696.65, 3858722.63	2.01E-03	3.16E-07	1.10E-07	2.17E-03	3.42E-07	1.19E-07	3.46E-03	5.45E-07	1.90E-07
2498	497796.65, 3858722.63	2.03E-03	3.19E-07	1.11E-07	2.19E-03	3.45E-07	1.20E-07	3.49E-03	5.50E-07	1.91E-07
2499	497896.65, 3858722.63	2.05E-03	3.24E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.54E-03	5.57E-07	1.94E-07
2500	497396.65, 3858822.63	1.90E-03	2.99E-07	1.04E-07	2.05E-03	3.23E-07	1.12E-07	3.27E-03	5.14E-07	1.79E-07
2501	497496.65, 3858822.63	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.32E-03	5.23E-07	1.82E-07
2502	497596.65, 3858822.63	2.01E-03	3.16E-07	1.10E-07	2.17E-03	3.41E-07	1.19E-07	3.45E-03	5.44E-07	1.90E-07
2503	497696.65, 3858822.63	2.03E-03	3.20E-07	1.12E-07	2.20E-03	3.46E-07	1.20E-07	3.50E-03	5.51E-07	1.92E-07
2504	497796.65, 3858822.63	2.05E-03	3.23E-07	1.12E-07	2.21E-03	3.49E-07	1.21E-07	3.53E-03	5.56E-07	1.94E-07
2505	497896.65, 3858822.63	2.10E-03	3.31E-07	1.15E-07	2.27E-03	3.57E-07	1.25E-07	3.62E-03	5.70E-07	1.99E-07
2506	497396.65, 3858922.63	1.93E-03	3.04E-07	1.06E-07	2.09E-03	3.29E-07	1.14E-07	3.32E-03	5.24E-07	1.82E-07
2507	497496.65, 3858922.63	2.00E-03	3.15E-07	1.10E-07	2.16E-03	3.40E-07	1.18E-07	3.44E-03	5.42E-07	1.89E-07
2508	497596.65, 3858922.63	1.99E-03	3.14E-07	1.09E-07	2.15E-03	3.39E-07	1.18E-07	3.43E-03	5.41E-07	1.88E-07
2509	497696.65, 3858922.63	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.56E-03	5.61E-07	1.96E-07
2510	497796.65, 3858922.63	2.11E-03	3.32E-07	1.16E-07	2.28E-03	3.58E-07	1.25E-07	3.63E-03	5.72E-07	1.99E-07
2511	497896.65, 3858922.63	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.69E-07	1.29E-07	3.74E-03	5.89E-07	2.05E-07
2512	497364.44, 3858201.52	1.74E-03	2.74E-07	9.54E-08	1.88E-03	2.96E-07	1.03E-07	2.99E-03	4.71E-07	1.64E-07
2513	497414.44, 3858201.52	1.75E-03	2.76E-07	9.62E-08	1.89E-03	2.98E-07	1.04E-07	3.02E-03	4.75E-07	1.66E-07
2514	497464.44, 3858201.52	1.77E-03	2.79E-07	9.70E-08	1.91E-03	3.01E-07	1.05E-07	3.04E-03	4.79E-07	1.67E-07
2515	497514.44, 3858201.52	1.78E-03	2.80E-07	9.74E-08	1.92E-03	3.02E-07	1.05E-07	3.05E-03	4.81E-07	1.68E-07
2516	497564.44, 3858201.52	1.77E-03	2.78E-07	9.70E-08	1.91E-03	3.01E-07	1.05E-07	3.04E-03	4.79E-07	1.67E-07
2517	497614.44, 3858201.52	1.77E-03	2.79E-07	9.72E-08	1.91E-03	3.01E-07	1.05E-07	3.05E-03	4.80E-07	1.67E-07
2518	497364.44, 3858251.52	1.77E-03	2.78E-07	9.69E-08	1.91E-03	3.00E-07	1.05E-07	3.04E-03	4.78E-07	1.67E-07
2519	497414.44, 3858251.52	1.79E-03	2.82E-07	9.82E-08	1.93E-03	3.04E-07	1.06E-07	3.08E-03	4.85E-07	1.69E-07
2520	497464.44, 3858251.52	1.77E-03	2.80E-07	9.74E-08	1.92E-03	3.02E-07	1.05E-07	3.05E-03	4.81E-07	1.67E-07
2521	497514.44, 3858251.52	1.76E-03	2.77E-07	9.64E-08	1.90E-03	2.99E-07	1.04E-07	3.02E-03	4.76E-07	1.66E-07
2522	497564.44, 3858251.52	1.75E-03	2.76E-07	9.60E-08	1.89E-03	2.98E-07	1.04E-07	3.01E-03	4.74E-07	1.65E-07
2523	497614.44, 3858251.52	1.74E-03	2.75E-07	9.57E-08	1.88E-03	2.97E-07	1.03E-07	3.00E-03	4.73E-07	1.65E-07
2524	497364.44, 3858301.52	1.77E-03	2.79E-07	9.72E-08	1.91E-03	3.01E-07	1.05E-07	3.05E-03	4.80E-07	1.67E-07
2525	497414.44, 3858301.52	1.79E-03	2.81E-07	9.80E-08	1.93E-03	3.04E-07	1.06E-07	3.07E-03	4.84E-07	1.69E-07
2526	497464.44, 3858301.52	1.77E-03	2.78E-07	9.69E-08	1.91E-03	3.00E-07	1.05E-07	3.04E-03	4.78E-07	1.67E-07
2527	497514.44, 3858301.52	1.75E-03	2.76E-07	9.62E-08	1.89E-03	2.98E-07	1.04E-07	3.01E-03	4.75E-07	1.65E-07
2528	497564.44, 3858301.52	1.73E-03	2.73E-07	9.51E-08	1.87E-03	2.95E-07	1.03E-07	2.98E-03	4.70E-07	1.64E-07
2529	497614.44, 3858301.52	1.73E-03	2.72E-07	9.48E-08	1.86E-03	2.94E-07	1.02E-07	2.97E-03	4.68E-07	1.63E-07
2530	497364.44, 3858351.52	1.78E-03	2.81E-07	9.78E-08	1.92E-03	3.03E-07	1.06E-07	3.06E-03	4.83E-07	1.68E-07
2531	497414.44, 3858351.52	1.77E-03	2.79E-07	9.71E-08	1.91E-03	3.01E-07	1.05E-07	3.04E-03	4.79E-07	1.67E-07
2532	497464.44, 3858351.52	1.76E-03	2.78E-07	9.68E-08	1.90E-03	3.00E-07	1.05E-07	3.03E-03	4.78E-07	1.66E-07
2533	497514.44, 3858351.52	1.75E-03	2.76E-07	9.62E-08	1.89E-03	2.98E-07	1.04E-07	3.02E-03	4.75E-07	1.65E-07
2534	497564.44, 3858351.52	1.73E-03	2.72E-07	9.49E-08	1.87E-03	2.94E-07	1.02E-07	2.97E-03	4.68E-07	1.63E-07
2535	497614.44, 3858351.52	1.72E-03	2.71E-07	9.46E-08	1.86E-03	2.93E-07	1.02E-07	2.96E-03	4.67E-07	1.63E-07
2536	497364.44, 3858401.52	1.76E-03	2.78E-07	9.67E-08	1.90E-03	3.00E-07	1.04E-07	3.03E-03	4.77E-07	1.66E-07
2537	497414.44, 3858401.52	1.76E-03	2.77E-07	9.66E-08	1.90E-03	3.00E-07	1.04E-07	3.03E-03	4.77E-07	1.66E-07
2538	497464.44, 3858401.52	1.75E-03	2.75E-07	9.59E-08	1.89E-03	2.97E-07	1.04E-07	3.01E-03	4.73E-07	1.65E-07
2539	497514.44, 3858401.52	1.74E-03	2.74E-07	9.55E-08	1.88E-03	2.96E-07	1.03E-07	2.99E-03	4.71E-07	1.64E-07
2540	497564.44, 3858401.52	1.76E-03	2.77E-07	9.64E-08	1.90E-03	2.99E-07	1.04E-07	3.02E-03	4.76E-07	1.66E-07
2541	497614.44, 3858401.52	1.77E-03	2.79E-07	9.72E-08	1.91E-03	3.01E-07	1.05E-07	3.05E-03	4.80E-07	1.67E-07
2542	493478.11, 3860497.94	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.21E-07	1.47E-07	4.25E-03	6.69E-07	2.33E-07
2543	493528.11, 3860497.94	2.47E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.67E-07	2.32E-07
2544	493478.11, 3860547.94	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.12E-07	1.43E-07	4.16E-03	6.55E-07	2.28E-07
2545	493528.11, 3860547.94	2.41E-03	3.80E-07	1.32E-07	2.61E-03	4.10E-07	1.43E-07	4.14E-03	6.53E-07	2.27E-07
2546	493478.11, 3860597.94	2.37E-03	3.73E-07	1.30E-07	2.56E-03	4.03E-07	1.40E-07	4.07E-03	6.41E-07	2.23E-07
2547	493528.11, 3860597.94	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.06E-03	6.39E-07	2.23E-07
2548	493561.88, 3860524.64	2.43E-03	3.83E-07	1.34E-07	2.63E-03	4.14E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
2549	493591.88, 3860524.64	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
2550	493561.88, 3860554.64	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.09E-07	1.42E-07	4.13E-03	6.50E-07	2.26E-07
2551	493591.88, 3860554.64	2.40E-03	3.78E-07	1.32E-07	2.59E-03	4.08E-07	1.42E-07	4.12E-03	6.50E-07	2.26E-07
2552	492880.5, 3860293.11	2.77E-03	4.36E-07	1.52E-07	2.99E-03	4.71E-07	1.64E-07	4.75E-03	7.48E-07	2.61E-07
2553	492930.5, 3860293.11	2.77E-03	4.36E-07	1.52E-07	2.99E-03	4.70E-07	1.64E-07	4.74E-03	7.47E-07	2.60E-07
2554	492980.5, 3860293.11	2.76E-03	4.35E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.74E-03	7.47E-07	2.60E-07
2555	493030.5, 3860293.11	2.77E-03	4.36E-07	1.52E-07	2.99E-03	4.70E-07	1.64E-07	4.75E-03	7.48E-07	2.61E-07
2556	493080.5, 3860293.11	2.76E-03	4.36E-07	1.52E-07	2.99E-03	4.70E-07	1.64E-07	4.75E-03	7.48E-07	2.61E-07

2557	493130.5, 3860293.11	2.75E-03	4.34E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.73E-03	7.45E-07	2.60E-07
2558	493180.5, 3860293.11	2.74E-03	4.32E-07	1.50E-07	2.96E-03	4.66E-07	1.62E-07	4.71E-03	7.42E-07	2.58E-07
2559	493230.5, 3860293.11	2.73E-03	4.31E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.69E-03	7.39E-07	2.58E-07
2560	493280.5, 3860293.11	2.73E-03	4.30E-07	1.50E-07	2.95E-03	4.64E-07	1.62E-07	4.69E-03	7.38E-07	2.57E-07
2561	493330.5, 3860293.11	2.72E-03	4.29E-07	1.49E-07	2.94E-03	4.63E-07	1.61E-07	4.68E-03	7.37E-07	2.57E-07
2562	493380.5, 3860293.11	2.71E-03	4.28E-07	1.49E-07	2.93E-03	4.62E-07	1.61E-07	4.66E-03	7.34E-07	2.56E-07
2563	492880.5, 3860343.11	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.63E-03	7.30E-07	2.54E-07
2564	492930.5, 3860343.11	2.70E-03	4.25E-07	1.48E-07	2.91E-03	4.59E-07	1.60E-07	4.63E-03	7.29E-07	2.54E-07
2565	492980.5, 3860343.11	2.71E-03	4.27E-07	1.49E-07	2.92E-03	4.61E-07	1.60E-07	4.65E-03	7.32E-07	2.55E-07
2566	493030.5, 3860343.11	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.64E-03	7.31E-07	2.55E-07
2567	493080.5, 3860343.11	2.70E-03	4.26E-07	1.48E-07	2.92E-03	4.60E-07	1.60E-07	4.64E-03	7.32E-07	2.55E-07
2568	493130.5, 3860343.11	2.70E-03	4.25E-07	1.48E-07	2.91E-03	4.59E-07	1.60E-07	4.63E-03	7.29E-07	2.54E-07
2569	493180.5, 3860343.11	2.68E-03	4.23E-07	1.47E-07	2.90E-03	4.56E-07	1.59E-07	4.61E-03	7.26E-07	2.53E-07
2570	493230.5, 3860343.11	2.68E-03	4.21E-07	1.47E-07	2.89E-03	4.55E-07	1.59E-07	4.59E-03	7.24E-07	2.52E-07
2571	493280.5, 3860343.11	2.67E-03	4.21E-07	1.47E-07	2.89E-03	4.55E-07	1.58E-07	4.59E-03	7.23E-07	2.52E-07
2572	493330.5, 3860343.11	2.67E-03	4.20E-07	1.46E-07	2.88E-03	4.54E-07	1.58E-07	4.58E-03	7.22E-07	2.51E-07
2573	493380.5, 3860343.11	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.52E-07	1.58E-07	4.57E-03	7.20E-07	2.51E-07
2574	492880.5, 3860393.11	2.64E-03	4.15E-07	1.45E-07	2.85E-03	4.48E-07	1.56E-07	4.52E-03	7.12E-07	2.48E-07
2575	492930.5, 3860393.11	2.64E-03	4.15E-07	1.45E-07	2.85E-03	4.48E-07	1.56E-07	4.52E-03	7.12E-07	2.48E-07
2576	492980.5, 3860393.11	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
2577	493030.5, 3860393.11	2.64E-03	4.16E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.53E-03	7.14E-07	2.49E-07
2578	493080.5, 3860393.11	2.64E-03	4.17E-07	1.45E-07	2.86E-03	4.50E-07	1.57E-07	4.54E-03	7.15E-07	2.49E-07
2579	493130.5, 3860393.11	2.64E-03	4.15E-07	1.45E-07	2.85E-03	4.48E-07	1.56E-07	4.52E-03	7.13E-07	2.48E-07
2580	493180.5, 3860393.11	2.62E-03	4.13E-07	1.44E-07	2.83E-03	4.46E-07	1.55E-07	4.50E-03	7.09E-07	2.47E-07
2581	493230.5, 3860393.11	2.62E-03	4.12E-07	1.44E-07	2.83E-03	4.45E-07	1.55E-07	4.49E-03	7.08E-07	2.47E-07
2582	493280.5, 3860393.11	2.62E-03	4.12E-07	1.44E-07	2.82E-03	4.45E-07	1.55E-07	4.49E-03	7.08E-07	2.47E-07
2583	493330.5, 3860393.11	2.61E-03	4.12E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.49E-03	7.07E-07	2.46E-07
2584	493380.5, 3860393.11	2.61E-03	4.11E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.48E-03	7.05E-07	2.46E-07
2585	492880.5, 3860443.11	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.38E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
2586	492930.5, 3860443.11	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.37E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
2587	492980.5, 3860443.11	2.57E-03	4.06E-07	1.41E-07	2.78E-03	4.38E-07	1.53E-07	4.42E-03	6.96E-07	2.42E-07
2588	493030.5, 3860443.11	2.58E-03	4.06E-07	1.41E-07	2.78E-03	4.38E-07	1.53E-07	4.42E-03	6.96E-07	2.43E-07
2589	493080.5, 3860443.11	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.38E-07	1.52E-07	4.42E-03	6.96E-07	2.42E-07
2590	493130.5, 3860443.11	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.37E-07	1.52E-07	4.41E-03	6.95E-07	2.42E-07
2591	493180.5, 3860443.11	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.39E-03	6.92E-07	2.41E-07
2592	493230.5, 3860443.11	2.56E-03	4.04E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.40E-03	6.93E-07	2.41E-07
2593	493280.5, 3860443.11	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.39E-03	6.92E-07	2.41E-07
2594	493330.5, 3860443.11	2.56E-03	4.03E-07	1.40E-07	2.76E-03	4.35E-07	1.52E-07	4.39E-03	6.92E-07	2.41E-07
2595	493380.5, 3860443.11	2.55E-03	4.02E-07	1.40E-07	2.75E-03	4.34E-07	1.51E-07	4.38E-03	6.90E-07	2.40E-07
2596	493180.5, 3860493.11	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
2597	493230.5, 3860493.11	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
2598	493280.5, 3860493.11	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.26E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
2599	493330.5, 3860493.11	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.29E-03	6.76E-07	2.36E-07
2600	493380.5, 3860493.11	2.49E-03	3.93E-07	1.37E-07	2.69E-03	4.24E-07	1.48E-07	4.28E-03	6.75E-07	2.35E-07
2601	493330.5, 3860543.11	2.45E-03	3.85E-07	1.34E-07	2.64E-03	4.16E-07	1.45E-07	4.20E-03	6.62E-07	2.30E-07
2602	493380.5, 3860543.11	2.44E-03	3.84E-07	1.34E-07	2.63E-03	4.15E-07	1.45E-07	4.19E-03	6.60E-07	2.30E-07
2603	494135.94, 3860876.85	2.06E-03	3.24E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.54E-03	5.57E-07	1.94E-07
2604	494185.94, 3860876.85	2.05E-03	3.24E-07	1.13E-07	2.22E-03	3.49E-07	1.22E-07	3.53E-03	5.56E-07	1.94E-07
2605	494135.94, 3860926.85	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.19E-07	3.46E-03	5.46E-07	1.90E-07
2606	494185.94, 3860926.85	2.01E-03	3.17E-07	1.11E-07	2.17E-03	3.42E-07	1.19E-07	3.46E-03	5.45E-07	1.90E-07
2607	494135.94, 3860976.85	1.98E-03	3.11E-07	1.08E-07	2.13E-03	3.36E-07	1.17E-07	3.39E-03	5.35E-07	1.86E-07
2608	494185.94, 3860976.85	1.97E-03	3.11E-07	1.08E-07	2.13E-03	3.36E-07	1.17E-07	3.39E-03	5.34E-07	1.86E-07
2609	494135.94, 3861026.85	1.93E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.32E-03	5.23E-07	1.82E-07
2610	494185.94, 3861026.85	1.93E-03	3.04E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.32E-03	5.23E-07	1.82E-07
2611	494135.94, 3861076.85	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.25E-03	5.12E-07	1.79E-07
2612	494185.94, 3861076.85	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.25E-03	5.12E-07	1.78E-07
2613	490360.04, 3858710.04	9.35E-03	1.47E-06	5.13E-07	1.01E-02	1.59E-06	5.53E-07	1.59E-02	2.50E-06	8.70E-07
2614	490410.04, 3858710.04	9.22E-03	1.45E-06	5.06E-07	9.94E-03	1.57E-06	5.46E-07	1.57E-02	2.47E-06	8.59E-07
2615	490460.04, 3858710.04	9.08E-03	1.43E-06	4.99E-07	9.80E-03	1.54E-06	5.38E-07	1.54E-02	2.43E-06	8.48E-07
2616	490510.04, 3858710.04	8.96E-03	1.41E-06	4.91E-07	9.66E-03	1.52E-06	5.30E-07	1.52E-02	2.40E-06	8.37E-07
2617	490560.04, 3858710.04	8.83E-03	1.39E-06	4.85E-07	9.53E-03	1.50E-06	5.23E-07	1.50E-02	2.37E-06	8.26E-07
2618	490610.04, 3858710.04	8.71E-03	1.37E-06	4.78E-07	9.39E-03	1.48E-06	5.16E-07	1.48E-02	2.34E-06	8.15E-07
2619	490660.04, 3858710.04	8.60E-03	1.35E-06	4.72E-07	9.28E-03	1.46E-06	5.09E-07	1.47E-02	2.31E-06	8.05E-07
2620	490710.04, 3858710.04	8.45E-03	1.33E-06	4.64E-07	9.11E-03	1.44E-06	5.00E-07	1.44E-02	2.27E-06	7.91E-07

2621	490760.04, 3858710.04	8.32E-03	1.31E-06	4.57E-07	8.98E-03	1.41E-06	4.93E-07	1.42E-02	2.24E-06	7.80E-07
2622	490810.04, 3858710.04	8.20E-03	1.29E-06	4.50E-07	8.85E-03	1.39E-06	4.86E-07	1.40E-02	2.21E-06	7.69E-07
2623	490860.04, 3858710.04	8.07E-03	1.27E-06	4.43E-07	8.71E-03	1.37E-06	4.78E-07	1.38E-02	2.17E-06	7.57E-07
2624	490360.04, 3858760.04	9.02E-03	1.42E-06	4.95E-07	9.72E-03	1.53E-06	5.33E-07	1.53E-02	2.41E-06	8.39E-07
2625	490410.04, 3858760.04	8.90E-03	1.40E-06	4.88E-07	9.59E-03	1.51E-06	5.27E-07	1.51E-02	2.38E-06	8.29E-07
2626	490460.04, 3858760.04	8.77E-03	1.38E-06	4.82E-07	9.46E-03	1.49E-06	5.19E-07	1.49E-02	2.35E-06	8.18E-07
2627	490510.04, 3858760.04	8.65E-03	1.36E-06	4.75E-07	9.33E-03	1.47E-06	5.12E-07	1.47E-02	2.32E-06	8.07E-07
2628	490560.04, 3858760.04	8.53E-03	1.34E-06	4.68E-07	9.20E-03	1.45E-06	5.05E-07	1.45E-02	2.29E-06	7.97E-07
2629	490610.04, 3858760.04	8.41E-03	1.33E-06	4.62E-07	9.07E-03	1.43E-06	4.98E-07	1.43E-02	2.26E-06	7.87E-07
2630	490660.04, 3858760.04	8.27E-03	1.30E-06	4.54E-07	8.92E-03	1.40E-06	4.89E-07	1.41E-02	2.22E-06	7.73E-07
2631	490710.04, 3858760.04	8.15E-03	1.28E-06	4.47E-07	8.79E-03	1.39E-06	4.83E-07	1.39E-02	2.19E-06	7.63E-07
2632	490760.04, 3858760.04	8.03E-03	1.26E-06	4.41E-07	8.66E-03	1.36E-06	4.75E-07	1.37E-02	2.16E-06	7.52E-07
2633	490810.04, 3858760.04	7.91E-03	1.25E-06	4.34E-07	8.53E-03	1.34E-06	4.68E-07	1.35E-02	2.13E-06	7.42E-07
2634	490860.04, 3858760.04	7.80E-03	1.23E-06	4.28E-07	8.41E-03	1.33E-06	4.62E-07	1.33E-02	2.10E-06	7.32E-07
2635	490360.04, 3858810.04	8.68E-03	1.37E-06	4.76E-07	9.36E-03	1.47E-06	5.14E-07	1.47E-02	2.32E-06	8.07E-07
2636	490410.04, 3858810.04	8.57E-03	1.35E-06	4.70E-07	9.24E-03	1.46E-06	5.07E-07	1.45E-02	2.29E-06	7.98E-07
2637	490460.04, 3858810.04	8.45E-03	1.33E-06	4.64E-07	9.12E-03	1.44E-06	5.00E-07	1.44E-02	2.26E-06	7.88E-07
2638	490510.04, 3858810.04	8.35E-03	1.31E-06	4.58E-07	9.00E-03	1.42E-06	4.94E-07	1.42E-02	2.24E-06	7.79E-07
2639	490560.04, 3858810.04	8.24E-03	1.30E-06	4.52E-07	8.88E-03	1.40E-06	4.88E-07	1.40E-02	2.21E-06	7.69E-07
2640	490610.04, 3858810.04	8.12E-03	1.28E-06	4.46E-07	8.76E-03	1.38E-06	4.81E-07	1.38E-02	2.18E-06	7.60E-07
2641	490660.04, 3858810.04	7.98E-03	1.26E-06	4.38E-07	8.60E-03	1.36E-06	4.72E-07	1.36E-02	2.14E-06	7.46E-07
2642	490710.04, 3858810.04	7.86E-03	1.24E-06	4.31E-07	8.48E-03	1.34E-06	4.65E-07	1.34E-02	2.11E-06	7.36E-07
2643	490760.04, 3858810.04	7.73E-03	1.22E-06	4.24E-07	8.34E-03	1.31E-06	4.58E-07	1.32E-02	2.08E-06	7.24E-07
2644	490810.04, 3858810.04	7.64E-03	1.20E-06	4.19E-07	8.24E-03	1.30E-06	4.52E-07	1.30E-02	2.06E-06	7.16E-07
2645	490860.04, 3858810.04	7.52E-03	1.18E-06	4.13E-07	8.11E-03	1.28E-06	4.45E-07	1.29E-02	2.03E-06	7.06E-07
2646	490360.04, 3858860.04	8.34E-03	1.31E-06	4.58E-07	8.99E-03	1.42E-06	4.93E-07	1.41E-02	2.23E-06	7.76E-07
2647	490410.04, 3858860.04	8.25E-03	1.30E-06	4.53E-07	8.89E-03	1.40E-06	4.88E-07	1.40E-02	2.20E-06	7.67E-07
2648	490460.04, 3858860.04	8.14E-03	1.28E-06	4.47E-07	8.77E-03	1.38E-06	4.81E-07	1.38E-02	2.18E-06	7.58E-07
2649	490510.04, 3858860.04	8.04E-03	1.27E-06	4.41E-07	8.67E-03	1.37E-06	4.76E-07	1.37E-02	2.15E-06	7.50E-07
2650	490560.04, 3858860.04	7.94E-03	1.25E-06	4.36E-07	8.56E-03	1.35E-06	4.70E-07	1.35E-02	2.13E-06	7.41E-07
2651	490610.04, 3858860.04	7.79E-03	1.23E-06	4.27E-07	8.40E-03	1.32E-06	4.61E-07	1.33E-02	2.09E-06	7.28E-07
2652	490660.04, 3858860.04	7.68E-03	1.21E-06	4.22E-07	8.29E-03	1.31E-06	4.55E-07	1.31E-02	2.06E-06	7.19E-07
2653	490710.04, 3858860.04	7.59E-03	1.20E-06	4.16E-07	8.19E-03	1.29E-06	4.49E-07	1.29E-02	2.04E-06	7.10E-07
2654	490760.04, 3858860.04	7.47E-03	1.18E-06	4.10E-07	8.06E-03	1.27E-06	4.42E-07	1.27E-02	2.01E-06	7.00E-07
2655	490810.04, 3858860.04	7.35E-03	1.16E-06	4.03E-07	7.93E-03	1.25E-06	4.35E-07	1.26E-02	1.98E-06	6.89E-07
2656	490860.04, 3858860.04	7.23E-03	1.14E-06	3.97E-07	7.80E-03	1.23E-06	4.28E-07	1.24E-02	1.95E-06	6.79E-07
2657	490360.04, 3858910.04	8.02E-03	1.26E-06	4.40E-07	8.64E-03	1.36E-06	4.74E-07	1.36E-02	2.14E-06	7.45E-07
2658	490410.04, 3858910.04	7.93E-03	1.25E-06	4.35E-07	8.55E-03	1.35E-06	4.69E-07	1.34E-02	2.12E-06	7.37E-07
2659	490460.04, 3858910.04	7.83E-03	1.23E-06	4.30E-07	8.45E-03	1.33E-06	4.64E-07	1.33E-02	2.09E-06	7.30E-07
2660	490510.04, 3858910.04	7.74E-03	1.22E-06	4.25E-07	8.34E-03	1.31E-06	4.58E-07	1.31E-02	2.07E-06	7.22E-07
2661	490560.04, 3858910.04	7.64E-03	1.20E-06	4.19E-07	8.24E-03	1.30E-06	4.52E-07	1.30E-02	2.05E-06	7.13E-07
2662	490610.04, 3858910.04	7.50E-03	1.18E-06	4.11E-07	8.09E-03	1.27E-06	4.44E-07	1.28E-02	2.01E-06	7.00E-07
2663	490660.04, 3858910.04	7.40E-03	1.17E-06	4.06E-07	7.98E-03	1.26E-06	4.38E-07	1.26E-02	1.99E-06	6.92E-07
2664	490710.04, 3858910.04	7.29E-03	1.15E-06	4.00E-07	7.86E-03	1.24E-06	4.32E-07	1.24E-02	1.96E-06	6.82E-07
2665	490760.04, 3858910.04	7.17E-03	1.13E-06	3.94E-07	7.74E-03	1.22E-06	4.25E-07	1.22E-02	1.93E-06	6.72E-07
2666	490810.04, 3858910.04	7.07E-03	1.11E-06	3.88E-07	7.63E-03	1.20E-06	4.19E-07	1.21E-02	1.90E-06	6.63E-07
2667	490860.04, 3858910.04	6.95E-03	1.09E-06	3.81E-07	7.50E-03	1.18E-06	4.11E-07	1.19E-02	1.87E-06	6.52E-07
2668	490360.04, 3858960.04	7.70E-03	1.21E-06	4.22E-07	8.29E-03	1.31E-06	4.55E-07	1.30E-02	2.05E-06	7.15E-07
2669	490410.04, 3858960.04	7.61E-03	1.20E-06	4.18E-07	8.20E-03	1.29E-06	4.50E-07	1.29E-02	2.03E-06	7.08E-07
2670	490460.04, 3858960.04	7.52E-03	1.18E-06	4.13E-07	8.11E-03	1.28E-06	4.45E-07	1.28E-02	2.01E-06	7.01E-07
2671	490510.04, 3858960.04	7.43E-03	1.17E-06	4.08E-07	8.01E-03	1.26E-06	4.40E-07	1.26E-02	1.99E-06	6.93E-07
2672	490560.04, 3858960.04	7.31E-03	1.15E-06	4.01E-07	7.88E-03	1.24E-06	4.32E-07	1.24E-02	1.96E-06	6.82E-07
2673	490610.04, 3858960.04	7.20E-03	1.13E-06	3.95E-07	7.76E-03	1.22E-06	4.26E-07	1.23E-02	1.93E-06	6.72E-07
2674	490660.04, 3858960.04	7.12E-03	1.12E-06	3.91E-07	7.68E-03	1.21E-06	4.21E-07	1.21E-02	1.91E-06	6.66E-07
2675	490710.04, 3858960.04	7.01E-03	1.10E-06	3.84E-07	7.56E-03	1.19E-06	4.15E-07	1.20E-02	1.88E-06	6.56E-07
2676	490760.04, 3858960.04	6.90E-03	1.09E-06	3.79E-07	7.44E-03	1.17E-06	4.09E-07	1.18E-02	1.86E-06	6.47E-07
2677	490810.04, 3858960.04	6.79E-03	1.07E-06	3.73E-07	7.33E-03	1.15E-06	4.02E-07	1.16E-02	1.83E-06	6.37E-07
2678	490860.04, 3858960.04	6.66E-03	1.05E-06	3.66E-07	7.19E-03	1.13E-06	3.95E-07	1.14E-02	1.80E-06	6.26E-07
2679	490360.04, 3859010.04	7.38E-03	1.16E-06	4.05E-07	7.96E-03	1.25E-06	4.37E-07	1.25E-02	1.97E-06	6.86E-07
2680	490410.04, 3859010.04	7.30E-03	1.15E-06	4.01E-07	7.87E-03	1.24E-06	4.32E-07	1.24E-02	1.95E-06	6.79E-07
2681	490460.04, 3859010.04	7.21E-03	1.14E-06	3.96E-07	7.78E-03	1.22E-06	4.27E-07	1.22E-02	1.93E-06	6.72E-07
2682	490510.04, 3859010.04	7.08E-03	1.12E-06	3.89E-07	7.64E-03	1.20E-06	4.19E-07	1.20E-02	1.90E-06	6.60E-07
2683	490560.04, 3859010.04	7.00E-03	1.10E-06	3.84E-07	7.55E-03	1.19E-06	4.15E-07	1.19E-02	1.88E-06	6.54E-07
2684	490610.04, 3859010.04	6.90E-03	1.09E-06	3.79E-07	7.44E-03	1.17E-06	4.09E-07	1.18E-02	1.85E-06	6.45E-07

2685	490660.04, 3859010.04	6.83E-03	1.08E-06	3.75E-07	7.37E-03	1.16E-06	4.04E-07	1.16E-02	1.83E-06	6.39E-07
2686	490710.04, 3859010.04	6.72E-03	1.06E-06	3.69E-07	7.25E-03	1.14E-06	3.98E-07	1.15E-02	1.81E-06	6.29E-07
2687	490760.04, 3859010.04	6.62E-03	1.04E-06	3.63E-07	7.14E-03	1.12E-06	3.92E-07	1.13E-02	1.78E-06	6.20E-07
2688	490810.04, 3859010.04	6.50E-03	1.02E-06	3.57E-07	7.02E-03	1.11E-06	3.85E-07	1.11E-02	1.75E-06	6.10E-07
2689	490860.04, 3859010.04	6.40E-03	1.01E-06	3.51E-07	6.90E-03	1.09E-06	3.79E-07	1.10E-02	1.73E-06	6.01E-07
2690	490360.04, 3859060.04	7.07E-03	1.11E-06	3.88E-07	7.62E-03	1.20E-06	4.18E-07	1.20E-02	1.89E-06	6.57E-07
2691	490410.04, 3859060.04	6.99E-03	1.10E-06	3.84E-07	7.54E-03	1.19E-06	4.14E-07	1.19E-02	1.87E-06	6.51E-07
2692	490460.04, 3859060.04	6.91E-03	1.09E-06	3.79E-07	7.45E-03	1.17E-06	4.09E-07	1.17E-02	1.85E-06	6.45E-07
2693	490510.04, 3859060.04	6.79E-03	1.07E-06	3.73E-07	7.32E-03	1.15E-06	4.02E-07	1.15E-02	1.82E-06	6.34E-07
2694	490560.04, 3859060.04	6.69E-03	1.05E-06	3.67E-07	7.22E-03	1.14E-06	3.96E-07	1.14E-02	1.79E-06	6.25E-07
2695	490610.04, 3859060.04	6.62E-03	1.04E-06	3.63E-07	7.14E-03	1.12E-06	3.92E-07	1.13E-02	1.78E-06	6.19E-07
2696	490660.04, 3859060.04	6.54E-03	1.03E-06	3.59E-07	7.06E-03	1.11E-06	3.87E-07	1.12E-02	1.76E-06	6.12E-07
2697	490710.04, 3859060.04	6.43E-03	1.01E-06	3.53E-07	6.94E-03	1.09E-06	3.81E-07	1.10E-02	1.73E-06	6.03E-07
2698	490760.04, 3859060.04	6.33E-03	9.97E-07	3.47E-07	6.83E-03	1.08E-06	3.75E-07	1.08E-02	1.70E-06	5.94E-07
2699	490810.04, 3859060.04	6.22E-03	9.80E-07	3.41E-07	6.71E-03	1.06E-06	3.68E-07	1.06E-02	1.68E-06	5.84E-07
2700	490860.04, 3859060.04	6.11E-03	9.63E-07	3.36E-07	6.60E-03	1.04E-06	3.62E-07	1.05E-02	1.65E-06	5.75E-07
2701	490360.04, 3859110.04	6.78E-03	1.07E-06	3.72E-07	7.31E-03	1.15E-06	4.01E-07	1.15E-02	1.81E-06	6.31E-07
2702	490410.04, 3859110.04	6.71E-03	1.06E-06	3.68E-07	7.23E-03	1.14E-06	3.97E-07	1.14E-02	1.79E-06	6.25E-07
2703	490460.04, 3859110.04	6.64E-03	1.05E-06	3.65E-07	7.16E-03	1.13E-06	3.93E-07	1.13E-02	1.78E-06	6.20E-07
2704	490510.04, 3859110.04	6.50E-03	1.02E-06	3.57E-07	7.01E-03	1.10E-06	3.85E-07	1.11E-02	1.74E-06	6.07E-07
2705	490560.04, 3859110.04	6.42E-03	1.01E-06	3.52E-07	6.92E-03	1.09E-06	3.80E-07	1.09E-02	1.72E-06	5.99E-07
2706	490610.04, 3859110.04	6.32E-03	9.96E-07	3.47E-07	6.82E-03	1.07E-06	3.74E-07	1.08E-02	1.70E-06	5.92E-07
2707	490660.04, 3859110.04	6.22E-03	9.79E-07	3.41E-07	6.71E-03	1.06E-06	3.68E-07	1.06E-02	1.67E-06	5.82E-07
2708	490710.04, 3859110.04	6.14E-03	9.67E-07	3.37E-07	6.62E-03	1.04E-06	3.64E-07	1.05E-02	1.65E-06	5.76E-07
2709	490760.04, 3859110.04	6.04E-03	9.52E-07	3.32E-07	6.52E-03	1.03E-06	3.58E-07	1.03E-02	1.63E-06	5.67E-07
2710	490810.04, 3859110.04	5.93E-03	9.34E-07	3.25E-07	6.40E-03	1.01E-06	3.51E-07	1.02E-02	1.60E-06	5.57E-07
2711	490860.04, 3859110.04	5.81E-03	9.15E-07	3.19E-07	6.27E-03	9.88E-07	3.44E-07	9.96E-03	1.57E-06	5.47E-07
2712	490360.04, 3859160.04	6.51E-03	1.02E-06	3.57E-07	7.01E-03	1.10E-06	3.85E-07	1.10E-02	1.74E-06	6.05E-07
2713	490410.04, 3859160.04	6.44E-03	1.01E-06	3.54E-07	6.95E-03	1.09E-06	3.81E-07	1.09E-02	1.72E-06	6.00E-07
2714	490460.04, 3859160.04	6.38E-03	1.00E-06	3.50E-07	6.88E-03	1.08E-06	3.77E-07	1.08E-02	1.71E-06	5.95E-07
2715	490510.04, 3859160.04	6.26E-03	9.87E-07	3.44E-07	6.76E-03	1.06E-06	3.71E-07	1.07E-02	1.68E-06	5.85E-07
2716	490560.04, 3859160.04	6.16E-03	9.71E-07	3.38E-07	6.65E-03	1.05E-06	3.65E-07	1.05E-02	1.65E-06	5.76E-07
2717	490610.04, 3859160.04	6.09E-03	9.59E-07	3.34E-07	6.57E-03	1.03E-06	3.60E-07	1.04E-02	1.63E-06	5.70E-07
2718	490660.04, 3859160.04	5.94E-03	9.35E-07	3.26E-07	6.41E-03	1.01E-06	3.52E-07	1.01E-02	1.60E-06	5.57E-07
2719	490710.04, 3859160.04	5.86E-03	9.23E-07	3.22E-07	6.32E-03	9.96E-07	3.47E-07	1.00E-02	1.58E-06	5.50E-07
2720	490760.04, 3859160.04	5.73E-03	9.02E-07	3.14E-07	6.18E-03	9.74E-07	3.39E-07	9.81E-03	1.54E-06	5.38E-07
2721	490810.04, 3859160.04	5.64E-03	8.89E-07	3.10E-07	6.09E-03	9.59E-07	3.34E-07	9.67E-03	1.52E-06	5.30E-07
2722	490860.04, 3859160.04	5.55E-03	8.74E-07	3.04E-07	5.99E-03	9.43E-07	3.29E-07	9.51E-03	1.50E-06	5.22E-07
2723	490360.04, 3859210.04	6.24E-03	9.83E-07	3.42E-07	6.73E-03	1.06E-06	3.69E-07	1.06E-02	1.67E-06	5.80E-07
2724	490410.04, 3859210.04	6.20E-03	9.76E-07	3.40E-07	6.68E-03	1.05E-06	3.67E-07	1.05E-02	1.66E-06	5.77E-07
2725	490460.04, 3859210.04	6.12E-03	9.65E-07	3.36E-07	6.61E-03	1.04E-06	3.63E-07	1.04E-02	1.64E-06	5.72E-07
2726	490510.04, 3859210.04	6.02E-03	9.48E-07	3.30E-07	6.49E-03	1.02E-06	3.56E-07	1.02E-02	1.61E-06	5.62E-07
2727	490560.04, 3859210.04	5.95E-03	9.38E-07	3.27E-07	6.42E-03	1.01E-06	3.52E-07	1.01E-02	1.60E-06	5.56E-07
2728	490610.04, 3859210.04	5.87E-03	9.24E-07	3.22E-07	6.33E-03	9.97E-07	3.47E-07	1.00E-02	1.58E-06	5.49E-07
2729	490660.04, 3859210.04	5.74E-03	9.04E-07	3.15E-07	6.19E-03	9.76E-07	3.40E-07	9.81E-03	1.55E-06	5.38E-07
2730	490710.04, 3859210.04	5.65E-03	8.91E-07	3.10E-07	6.10E-03	9.61E-07	3.35E-07	9.67E-03	1.52E-06	5.31E-07
2731	490760.04, 3859210.04	5.52E-03	8.70E-07	3.03E-07	5.96E-03	9.39E-07	3.27E-07	9.45E-03	1.49E-06	5.19E-07
2732	490810.04, 3859210.04	5.48E-03	8.64E-07	3.01E-07	5.92E-03	9.32E-07	3.25E-07	9.39E-03	1.48E-06	5.15E-07
2733	490860.04, 3859210.04	5.44E-03	8.57E-07	2.99E-07	5.87E-03	9.25E-07	3.22E-07	9.32E-03	1.47E-06	5.12E-07
2734	490360.04, 3859260.04	5.98E-03	9.42E-07	3.28E-07	6.45E-03	1.02E-06	3.54E-07	1.01E-02	1.60E-06	5.57E-07
2735	490410.04, 3859260.04	5.94E-03	9.36E-07	3.26E-07	6.40E-03	1.01E-06	3.51E-07	1.01E-02	1.59E-06	5.54E-07
2736	490460.04, 3859260.04	5.90E-03	9.30E-07	3.24E-07	6.36E-03	1.00E-06	3.49E-07	1.00E-02	1.58E-06	5.51E-07
2737	490510.04, 3859260.04	5.86E-03	9.23E-07	3.22E-07	6.32E-03	9.96E-07	3.47E-07	9.97E-03	1.57E-06	5.47E-07
2738	490560.04, 3859260.04	5.77E-03	9.09E-07	3.17E-07	6.22E-03	9.80E-07	3.41E-07	9.82E-03	1.55E-06	5.39E-07
2739	490610.04, 3859260.04	5.67E-03	8.94E-07	3.11E-07	6.12E-03	9.64E-07	3.36E-07	9.67E-03	1.52E-06	5.31E-07
2740	490660.04, 3859260.04	5.63E-03	8.88E-07	3.09E-07	6.08E-03	9.58E-07	3.34E-07	9.61E-03	1.51E-06	5.28E-07
2741	490710.04, 3859260.04	5.57E-03	8.78E-07	3.06E-07	6.01E-03	9.47E-07	3.30E-07	9.51E-03	1.50E-06	5.22E-07
2742	490760.04, 3859260.04	5.45E-03	8.59E-07	2.99E-07	5.89E-03	9.27E-07	3.23E-07	9.33E-03	1.47E-06	5.12E-07
2743	490810.04, 3859260.04	5.41E-03	8.52E-07	2.97E-07	5.83E-03	9.19E-07	3.20E-07	9.25E-03	1.46E-06	5.08E-07
2744	490860.04, 3859260.04	5.36E-03	8.44E-07	2.94E-07	5.78E-03	9.11E-07	3.17E-07	9.17E-03	1.44E-06	5.03E-07
2745	490360.04, 3859310.04	5.74E-03	9.04E-07	3.15E-07	6.18E-03	9.74E-07	3.39E-07	9.73E-03	1.53E-06	5.34E-07
2746	490410.04, 3859310.04	5.71E-03	8.99E-07	3.13E-07	6.15E-03	9.70E-07	3.38E-07	9.69E-03	1.53E-06	5.32E-07
2747	490460.04, 3859310.04	5.68E-03	8.94E-07	3.11E-07	6.12E-03	9.64E-07	3.36E-07	9.65E-03	1.52E-06	5.30E-07
2748	490510.04, 3859310.04	5.64E-03	8.89E-07	3.10E-07	6.09E-03	9.59E-07	3.34E-07	9.60E-03	1.51E-06	5.27E-07

2749	490560.04, 3859310.04	5.61E-03	8.84E-07	3.08E-07	6.05E-03	9.53E-07	3.32E-07	9.55E-03	1.50E-06	5.24E-07
2750	490610.04, 3859310.04	5.58E-03	8.78E-07	3.06E-07	6.02E-03	9.48E-07	3.30E-07	9.50E-03	1.50E-06	5.22E-07
2751	490660.04, 3859310.04	5.50E-03	8.67E-07	3.02E-07	5.93E-03	9.35E-07	3.26E-07	9.37E-03	1.48E-06	5.14E-07
2752	490710.04, 3859310.04	5.41E-03	8.53E-07	2.97E-07	5.84E-03	9.20E-07	3.20E-07	9.24E-03	1.45E-06	5.07E-07
2753	490760.04, 3859310.04	5.35E-03	8.43E-07	2.94E-07	5.77E-03	9.09E-07	3.17E-07	9.14E-03	1.44E-06	5.01E-07
2754	490810.04, 3859310.04	5.30E-03	8.36E-07	2.91E-07	5.72E-03	9.02E-07	3.14E-07	9.07E-03	1.43E-06	4.98E-07
2755	490860.04, 3859310.04	5.24E-03	8.26E-07	2.88E-07	5.66E-03	8.91E-07	3.10E-07	8.96E-03	1.41E-06	4.92E-07
2756	490360.04, 3859360.04	5.50E-03	8.66E-07	3.02E-07	5.93E-03	9.34E-07	3.25E-07	9.32E-03	1.47E-06	5.11E-07
2757	490410.04, 3859360.04	5.48E-03	8.64E-07	3.01E-07	5.91E-03	9.31E-07	3.24E-07	9.30E-03	1.47E-06	5.10E-07
2758	490460.04, 3859360.04	5.46E-03	8.61E-07	3.00E-07	5.89E-03	9.28E-07	3.23E-07	9.28E-03	1.46E-06	5.09E-07
2759	490510.04, 3859360.04	5.44E-03	8.57E-07	2.99E-07	5.87E-03	9.24E-07	3.22E-07	9.25E-03	1.46E-06	5.08E-07
2760	490560.04, 3859360.04	5.41E-03	8.53E-07	2.97E-07	5.84E-03	9.20E-07	3.20E-07	9.21E-03	1.45E-06	5.06E-07
2761	490610.04, 3859360.04	5.38E-03	8.47E-07	2.95E-07	5.80E-03	9.14E-07	3.18E-07	9.16E-03	1.44E-06	5.03E-07
2762	490660.04, 3859360.04	5.35E-03	8.42E-07	2.93E-07	5.77E-03	9.09E-07	3.17E-07	9.12E-03	1.44E-06	5.00E-07
2763	490710.04, 3859360.04	5.27E-03	8.30E-07	2.89E-07	5.69E-03	8.96E-07	3.12E-07	8.99E-03	1.42E-06	4.93E-07
2764	490760.04, 3859360.04	5.21E-03	8.21E-07	2.86E-07	5.62E-03	8.85E-07	3.08E-07	8.89E-03	1.40E-06	4.88E-07
2765	490810.04, 3859360.04	5.18E-03	8.16E-07	2.84E-07	5.59E-03	8.81E-07	3.07E-07	8.85E-03	1.39E-06	4.86E-07
2766	490860.04, 3859360.04	5.13E-03	8.09E-07	2.82E-07	5.54E-03	8.73E-07	3.04E-07	8.77E-03	1.38E-06	4.81E-07
2767	490360.04, 3859410.04	5.26E-03	8.29E-07	2.89E-07	5.67E-03	8.94E-07	3.11E-07	8.92E-03	1.40E-06	4.89E-07
2768	490410.04, 3859410.04	5.25E-03	8.28E-07	2.88E-07	5.66E-03	8.92E-07	3.11E-07	8.91E-03	1.40E-06	4.89E-07
2769	490460.04, 3859410.04	5.24E-03	8.26E-07	2.88E-07	5.65E-03	8.91E-07	3.10E-07	8.90E-03	1.40E-06	4.89E-07
2770	490510.04, 3859410.04	5.23E-03	8.24E-07	2.87E-07	5.64E-03	8.89E-07	3.10E-07	8.89E-03	1.40E-06	4.88E-07
2771	490560.04, 3859410.04	5.22E-03	8.22E-07	2.86E-07	5.62E-03	8.86E-07	3.09E-07	8.87E-03	1.40E-06	4.87E-07
2772	490610.04, 3859410.04	5.20E-03	8.19E-07	2.85E-07	5.60E-03	8.83E-07	3.08E-07	8.84E-03	1.39E-06	4.85E-07
2773	490660.04, 3859410.04	5.17E-03	8.14E-07	2.84E-07	5.57E-03	8.78E-07	3.06E-07	8.80E-03	1.39E-06	4.83E-07
2774	490710.04, 3859410.04	5.14E-03	8.09E-07	2.82E-07	5.54E-03	8.73E-07	3.04E-07	8.76E-03	1.38E-06	4.81E-07
2775	490760.04, 3859410.04	5.07E-03	7.98E-07	2.78E-07	5.47E-03	8.61E-07	3.00E-07	8.64E-03	1.36E-06	4.74E-07
2776	490810.04, 3859410.04	5.04E-03	7.94E-07	2.77E-07	5.44E-03	8.56E-07	2.98E-07	8.60E-03	1.35E-06	4.72E-07
2777	490860.04, 3859410.04	5.02E-03	7.91E-07	2.75E-07	5.42E-03	8.53E-07	2.97E-07	8.57E-03	1.35E-06	4.70E-07
2778	490360.04, 3859460.04	5.03E-03	7.93E-07	2.76E-07	5.42E-03	8.55E-07	2.98E-07	8.52E-03	1.34E-06	4.68E-07
2779	490410.04, 3859460.04	5.03E-03	7.93E-07	2.76E-07	5.43E-03	8.55E-07	2.98E-07	8.53E-03	1.34E-06	4.68E-07
2780	490460.04, 3859460.04	5.03E-03	7.92E-07	2.76E-07	5.42E-03	8.54E-07	2.98E-07	8.53E-03	1.34E-06	4.68E-07
2781	490510.04, 3859460.04	5.02E-03	7.91E-07	2.76E-07	5.42E-03	8.53E-07	2.97E-07	8.53E-03	1.34E-06	4.68E-07
2782	490560.04, 3859460.04	5.01E-03	7.90E-07	2.75E-07	5.41E-03	8.52E-07	2.97E-07	8.52E-03	1.34E-06	4.68E-07
2783	490610.04, 3859460.04	5.00E-03	7.88E-07	2.75E-07	5.40E-03	8.50E-07	2.96E-07	8.51E-03	1.34E-06	4.67E-07
2784	490660.04, 3859460.04	4.99E-03	7.86E-07	2.74E-07	5.38E-03	8.47E-07	2.95E-07	8.49E-03	1.34E-06	4.66E-07
2785	490710.04, 3859460.04	4.97E-03	7.83E-07	2.73E-07	5.36E-03	8.44E-07	2.94E-07	8.47E-03	1.33E-06	4.65E-07
2786	490760.04, 3859460.04	4.94E-03	7.79E-07	2.71E-07	5.33E-03	8.40E-07	2.93E-07	8.43E-03	1.33E-06	4.63E-07
2787	490810.04, 3859460.04	4.92E-03	7.75E-07	2.70E-07	5.31E-03	8.36E-07	2.91E-07	8.40E-03	1.32E-06	4.61E-07
2788	490860.04, 3859460.04	4.90E-03	7.72E-07	2.69E-07	5.29E-03	8.33E-07	2.90E-07	8.37E-03	1.32E-06	4.59E-07
2789	490360.04, 3859510.04	4.81E-03	7.58E-07	2.64E-07	5.18E-03	8.17E-07	2.85E-07	8.14E-03	1.28E-06	4.47E-07
2790	490410.04, 3859510.04	4.81E-03	7.58E-07	2.64E-07	5.19E-03	8.18E-07	2.85E-07	8.16E-03	1.29E-06	4.48E-07
2791	490460.04, 3859510.04	4.82E-03	7.59E-07	2.64E-07	5.19E-03	8.18E-07	2.85E-07	8.17E-03	1.29E-06	4.49E-07
2792	490510.04, 3859510.04	4.82E-03	7.59E-07	2.64E-07	5.20E-03	8.18E-07	2.85E-07	8.18E-03	1.29E-06	4.49E-07
2793	490560.04, 3859510.04	4.82E-03	7.59E-07	2.64E-07	5.19E-03	8.18E-07	2.85E-07	8.18E-03	1.29E-06	4.49E-07
2794	490610.04, 3859510.04	4.81E-03	7.58E-07	2.64E-07	5.19E-03	8.17E-07	2.85E-07	8.18E-03	1.29E-06	4.49E-07
2795	490660.04, 3859510.04	4.80E-03	7.57E-07	2.64E-07	5.18E-03	8.16E-07	2.84E-07	8.17E-03	1.29E-06	4.49E-07
2796	490710.04, 3859510.04	4.79E-03	7.55E-07	2.63E-07	5.17E-03	8.14E-07	2.84E-07	8.16E-03	1.29E-06	4.48E-07
2797	490760.04, 3859510.04	4.78E-03	7.53E-07	2.62E-07	5.15E-03	8.12E-07	2.83E-07	8.14E-03	1.28E-06	4.47E-07
2798	490810.04, 3859510.04	4.76E-03	7.50E-07	2.61E-07	5.14E-03	8.09E-07	2.82E-07	8.12E-03	1.28E-06	4.46E-07
2799	490860.04, 3859510.04	4.74E-03	7.47E-07	2.60E-07	5.12E-03	8.06E-07	2.81E-07	8.09E-03	1.28E-06	4.44E-07
2800	490360.04, 3859560.04	4.59E-03	7.23E-07	2.52E-07	4.95E-03	7.79E-07	2.72E-07	7.77E-03	1.22E-06	4.27E-07
2801	490410.04, 3859560.04	4.60E-03	7.25E-07	2.53E-07	4.96E-03	7.81E-07	2.72E-07	7.79E-03	1.23E-06	4.28E-07
2802	490460.04, 3859560.04	4.61E-03	7.26E-07	2.53E-07	4.97E-03	7.83E-07	2.73E-07	7.82E-03	1.23E-06	4.29E-07
2803	490510.04, 3859560.04	4.62E-03	7.28E-07	2.53E-07	4.98E-03	7.84E-07	2.73E-07	7.84E-03	1.23E-06	4.30E-07
2804	490560.04, 3859560.04	4.62E-03	7.28E-07	2.54E-07	4.98E-03	7.85E-07	2.73E-07	7.85E-03	1.24E-06	4.31E-07
2805	490610.04, 3859560.04	4.62E-03	7.28E-07	2.54E-07	4.98E-03	7.85E-07	2.74E-07	7.85E-03	1.24E-06	4.31E-07
2806	490660.04, 3859560.04	4.62E-03	7.28E-07	2.54E-07	4.98E-03	7.85E-07	2.73E-07	7.86E-03	1.24E-06	4.31E-07
2807	490710.04, 3859560.04	4.62E-03	7.27E-07	2.53E-07	4.98E-03	7.84E-07	2.73E-07	7.86E-03	1.24E-06	4.31E-07
2808	490760.04, 3859560.04	4.61E-03	7.26E-07	2.53E-07	4.97E-03	7.83E-07	2.73E-07	7.85E-03	1.24E-06	4.31E-07
2809	490810.04, 3859560.04	4.60E-03	7.24E-07	2.52E-07	4.96E-03	7.81E-07	2.72E-07	7.84E-03	1.24E-06	4.30E-07
2810	490860.04, 3859560.04	4.58E-03	7.22E-07	2.52E-07	4.94E-03	7.79E-07	2.71E-07	7.82E-03	1.23E-06	4.29E-07
2811	490187.25, 3859422.08	5.20E-03	8.20E-07	2.86E-07	5.61E-03	8.83E-07	3.08E-07	8.79E-03	1.38E-06	4.82E-07
2812	490237.25, 3859422.08	5.21E-03	8.21E-07	2.86E-07	5.61E-03	8.84E-07	3.08E-07	8.80E-03	1.39E-06	4.83E-07

2813	490287.25, 3859422.08	5.21E-03	8.21E-07	2.86E-07	5.61E-03	8.84E-07	3.08E-07	8.81E-03	1.39E-06	4.84E-07
2814	490337.25, 3859422.08	5.21E-03	8.21E-07	2.86E-07	5.61E-03	8.84E-07	3.08E-07	8.82E-03	1.39E-06	4.84E-07
2815	490187.25, 3859472.08	4.96E-03	7.81E-07	2.72E-07	5.34E-03	8.41E-07	2.93E-07	8.37E-03	1.32E-06	4.59E-07
2816	490237.25, 3859472.08	4.96E-03	7.82E-07	2.72E-07	5.35E-03	8.43E-07	2.94E-07	8.39E-03	1.32E-06	4.61E-07
2817	490287.25, 3859472.08	4.98E-03	7.84E-07	2.73E-07	5.36E-03	8.45E-07	2.94E-07	8.42E-03	1.33E-06	4.62E-07
2818	490337.25, 3859472.08	4.98E-03	7.84E-07	2.73E-07	5.37E-03	8.45E-07	2.94E-07	8.43E-03	1.33E-06	4.63E-07
2819	490297.07, 3859500.42	4.85E-03	7.63E-07	2.66E-07	5.22E-03	8.23E-07	2.87E-07	8.20E-03	1.29E-06	4.50E-07
2820	490327.07, 3859500.42	4.85E-03	7.64E-07	2.66E-07	5.22E-03	8.23E-07	2.87E-07	8.20E-03	1.29E-06	4.50E-07
2821	490297.07, 3859530.42	4.70E-03	7.41E-07	2.58E-07	5.07E-03	7.99E-07	2.78E-07	7.96E-03	1.25E-06	4.37E-07
2822	490327.07, 3859530.42	4.71E-03	7.42E-07	2.59E-07	5.08E-03	8.00E-07	2.79E-07	7.97E-03	1.26E-06	4.38E-07
2823	490319.73, 3859055.34	7.16E-03	1.13E-06	3.93E-07	7.72E-03	1.22E-06	4.24E-07	1.21E-02	1.91E-06	6.64E-07
2824	490319.73, 3859105.34	6.86E-03	1.08E-06	3.77E-07	7.39E-03	1.16E-06	4.06E-07	1.16E-02	1.83E-06	6.37E-07
2825	490069.73, 3859155.34	6.77E-03	1.07E-06	3.72E-07	7.29E-03	1.15E-06	4.00E-07	1.14E-02	1.79E-06	6.25E-07
2826	490119.73, 3859155.34	6.73E-03	1.06E-06	3.70E-07	7.25E-03	1.14E-06	3.98E-07	1.13E-02	1.79E-06	6.22E-07
2827	490269.73, 3859155.34	6.62E-03	1.04E-06	3.63E-07	7.13E-03	1.12E-06	3.91E-07	1.12E-02	1.76E-06	6.13E-07
2828	490319.73, 3859155.34	6.57E-03	1.04E-06	3.61E-07	7.09E-03	1.12E-06	3.89E-07	1.11E-02	1.75E-06	6.10E-07
2829	490069.73, 3859205.34	6.44E-03	1.01E-06	3.54E-07	6.94E-03	1.09E-06	3.81E-07	1.08E-02	1.71E-06	5.95E-07
2830	490119.73, 3859205.34	6.41E-03	1.01E-06	3.52E-07	6.91E-03	1.09E-06	3.79E-07	1.08E-02	1.70E-06	5.92E-07
2831	490169.73, 3859205.34	6.39E-03	1.01E-06	3.50E-07	6.88E-03	1.08E-06	3.78E-07	1.08E-02	1.70E-06	5.91E-07
2832	490219.73, 3859205.34	6.36E-03	1.00E-06	3.49E-07	6.85E-03	1.08E-06	3.76E-07	1.07E-02	1.69E-06	5.89E-07
2833	490269.73, 3859205.34	6.33E-03	9.98E-07	3.48E-07	6.82E-03	1.07E-06	3.75E-07	1.07E-02	1.69E-06	5.88E-07
2834	490319.73, 3859205.34	6.30E-03	9.92E-07	3.46E-07	6.79E-03	1.07E-06	3.72E-07	1.07E-02	1.68E-06	5.85E-07
2835	490069.73, 3859255.34	6.14E-03	9.67E-07	3.37E-07	6.61E-03	1.04E-06	3.63E-07	1.03E-02	1.63E-06	5.67E-07
2836	490119.73, 3859255.34	6.11E-03	9.63E-07	3.36E-07	6.59E-03	1.04E-06	3.61E-07	1.03E-02	1.62E-06	5.65E-07
2837	490169.73, 3859255.34	6.09E-03	9.60E-07	3.35E-07	6.57E-03	1.03E-06	3.60E-07	1.03E-02	1.62E-06	5.64E-07
2838	490219.73, 3859255.34	6.08E-03	9.58E-07	3.34E-07	6.55E-03	1.03E-06	3.59E-07	1.03E-02	1.62E-06	5.63E-07
2839	490269.73, 3859255.34	6.06E-03	9.54E-07	3.32E-07	6.53E-03	1.03E-06	3.58E-07	1.02E-02	1.61E-06	5.62E-07
2840	490319.73, 3859255.34	6.03E-03	9.50E-07	3.31E-07	6.50E-03	1.02E-06	3.57E-07	1.02E-02	1.61E-06	5.61E-07
2841	490069.73, 3859305.34	5.84E-03	9.20E-07	3.21E-07	6.29E-03	9.91E-07	3.45E-07	9.84E-03	1.55E-06	5.40E-07
2842	490119.73, 3859305.34	5.83E-03	9.18E-07	3.20E-07	6.28E-03	9.89E-07	3.45E-07	9.82E-03	1.55E-06	5.39E-07
2843	490169.73, 3859305.34	5.82E-03	9.16E-07	3.19E-07	6.27E-03	9.87E-07	3.44E-07	9.81E-03	1.55E-06	5.39E-07
2844	490219.73, 3859305.34	5.81E-03	9.15E-07	3.19E-07	6.26E-03	9.86E-07	3.43E-07	9.81E-03	1.55E-06	5.38E-07
2845	490269.73, 3859305.34	5.79E-03	9.13E-07	3.18E-07	6.24E-03	9.83E-07	3.43E-07	9.80E-03	1.54E-06	5.38E-07
2846	490319.73, 3859305.34	5.78E-03	9.10E-07	3.17E-07	6.23E-03	9.81E-07	3.42E-07	9.78E-03	1.54E-06	5.37E-07
2847	490069.73, 3859355.34	5.56E-03	8.75E-07	3.05E-07	5.99E-03	9.43E-07	3.29E-07	9.36E-03	1.47E-06	5.14E-07
2848	490119.73, 3859355.34	5.55E-03	8.74E-07	3.05E-07	5.98E-03	9.42E-07	3.28E-07	9.36E-03	1.47E-06	5.13E-07
2849	490169.73, 3859355.34	5.55E-03	8.74E-07	3.04E-07	5.97E-03	9.41E-07	3.28E-07	9.36E-03	1.47E-06	5.14E-07
2850	490219.73, 3859355.34	5.54E-03	8.73E-07	3.04E-07	5.97E-03	9.41E-07	3.28E-07	9.37E-03	1.48E-06	5.14E-07
2851	490269.73, 3859355.34	5.54E-03	8.72E-07	3.04E-07	5.97E-03	9.40E-07	3.27E-07	9.36E-03	1.48E-06	5.14E-07
2852	490319.73, 3859355.34	5.53E-03	8.71E-07	3.03E-07	5.96E-03	9.39E-07	3.27E-07	9.36E-03	1.48E-06	5.14E-07
2853	490069.73, 3859405.34	5.28E-03	8.32E-07	2.90E-07	5.69E-03	8.96E-07	3.12E-07	8.90E-03	1.40E-06	4.88E-07
2854	490119.73, 3859405.34	5.28E-03	8.32E-07	2.90E-07	5.69E-03	8.96E-07	3.12E-07	8.91E-03	1.40E-06	4.89E-07
2855	490169.73, 3859405.34	5.29E-03	8.33E-07	2.90E-07	5.70E-03	8.97E-07	3.13E-07	8.92E-03	1.41E-06	4.90E-07
2856	490219.73, 3859405.34	5.29E-03	8.33E-07	2.90E-07	5.70E-03	8.98E-07	3.13E-07	8.94E-03	1.41E-06	4.90E-07
2857	490269.73, 3859405.34	5.29E-03	8.34E-07	2.90E-07	5.70E-03	8.98E-07	3.13E-07	8.95E-03	1.41E-06	4.91E-07
2858	490319.73, 3859405.34	5.29E-03	8.33E-07	2.90E-07	5.70E-03	8.98E-07	3.13E-07	8.96E-03	1.41E-06	4.92E-07
2859	490161.89, 3859541.83	4.61E-03	7.27E-07	2.53E-07	4.97E-03	7.83E-07	2.73E-07	7.79E-03	1.23E-06	4.28E-07
2860	490171.89, 3859541.83	4.62E-03	7.27E-07	2.53E-07	4.98E-03	7.84E-07	2.73E-07	7.80E-03	1.23E-06	4.28E-07
2861	490161.89, 3859551.83	4.57E-03	7.20E-07	2.51E-07	4.92E-03	7.75E-07	2.70E-07	7.72E-03	1.22E-06	4.23E-07
2862	490171.89, 3859551.83	4.57E-03	7.20E-07	2.51E-07	4.93E-03	7.76E-07	2.70E-07	7.72E-03	1.22E-06	4.24E-07
2863	489799.72, 3859348.21	5.58E-03	8.78E-07	3.06E-07	6.00E-03	9.46E-07	3.29E-07	9.36E-03	1.47E-06	5.13E-07
2864	489819.72, 3859348.21	5.58E-03	8.79E-07	3.06E-07	6.01E-03	9.47E-07	3.30E-07	9.36E-03	1.48E-06	5.14E-07
2865	489799.72, 3859368.21	5.45E-03	8.58E-07	2.99E-07	5.87E-03	9.24E-07	3.22E-07	9.15E-03	1.44E-06	5.02E-07
2866	489819.72, 3859368.21	5.46E-03	8.59E-07	2.99E-07	5.87E-03	9.25E-07	3.22E-07	9.16E-03	1.44E-06	5.03E-07
2867	489775.41, 3859329.72	5.69E-03	8.96E-07	3.12E-07	6.12E-03	9.65E-07	3.36E-07	9.53E-03	1.50E-06	5.23E-07
2868	489795.41, 3859329.72	5.69E-03	8.97E-07	3.12E-07	6.13E-03	9.65E-07	3.36E-07	9.54E-03	1.50E-06	5.24E-07
2869	489775.41, 3859349.72	5.56E-03	8.76E-07	3.05E-07	5.98E-03	9.43E-07	3.28E-07	9.32E-03	1.47E-06	5.12E-07
2870	489795.41, 3859349.72	5.57E-03	8.77E-07	3.05E-07	5.99E-03	9.44E-07	3.29E-07	9.34E-03	1.47E-06	5.12E-07
2871	489595.05, 3859219.43	6.47E-03	1.02E-06	3.55E-07	6.96E-03	1.10E-06	3.82E-07	1.08E-02	1.70E-06	5.91E-07
2872	489615.05, 3859219.43	6.47E-03	1.02E-06	3.55E-07	6.96E-03	1.10E-06	3.82E-07	1.08E-02	1.70E-06	5.91E-07
2873	489595.05, 3859239.43	6.30E-03	9.93E-07	3.46E-07	6.78E-03	1.07E-06	3.72E-07	1.05E-02	1.65E-06	5.76E-07
2874	489615.05, 3859239.43	6.31E-03	9.94E-07	3.46E-07	6.79E-03	1.07E-06	3.73E-07	1.05E-02	1.66E-06	5.77E-07
2875	489372.4, 3859092.58	7.75E-03	1.22E-06	4.26E-07	8.32E-03	1.31E-06	4.57E-07	1.27E-02	2.00E-06	6.96E-07
2876	489422.4, 3859092.58	7.73E-03	1.22E-06	4.24E-07	8.30E-03	1.31E-06	4.56E-07	1.27E-02	2.00E-06	6.96E-07

2877	489372.4, 3859142.58	7.17E-03	1.13E-06	3.94E-07	7.70E-03	1.21E-06	4.23E-07	1.18E-02	1.86E-06	6.48E-07
2878	489422.4, 3859142.58	7.18E-03	1.13E-06	3.94E-07	7.71E-03	1.21E-06	4.23E-07	1.18E-02	1.86E-06	6.49E-07
2879	488870.84, 3858666.64	1.76E-02	2.78E-06	9.67E-07	1.88E-02	2.96E-06	1.03E-06	2.73E-02	4.30E-06	1.50E-06
2880	488900.84, 3858666.64	1.73E-02	2.72E-06	9.48E-07	1.84E-02	2.90E-06	1.01E-06	2.69E-02	4.24E-06	1.48E-06
2881	488870.84, 3858696.64	1.75E-02	2.76E-06	9.60E-07	1.86E-02	2.93E-06	1.02E-06	2.66E-02	4.19E-06	1.46E-06
2882	488900.84, 3858696.64	1.71E-02	2.69E-06	9.38E-07	1.82E-02	2.87E-06	9.99E-07	2.62E-02	4.12E-06	1.44E-06
2883	488889.67, 3858683.97	1.73E-02	2.72E-06	9.49E-07	1.84E-02	2.90E-06	1.01E-06	2.66E-02	4.19E-06	1.46E-06
2884	488919.67, 3858683.97	1.69E-02	2.67E-06	9.29E-07	1.81E-02	2.84E-06	9.91E-07	2.62E-02	4.13E-06	1.44E-06
2885	488889.67, 3858713.97	1.72E-02	2.71E-06	9.45E-07	1.83E-02	2.88E-06	1.00E-06	2.60E-02	4.09E-06	1.43E-06
2886	488919.67, 3858713.97	1.68E-02	2.65E-06	9.22E-07	1.79E-02	2.82E-06	9.82E-07	2.56E-02	4.03E-06	1.40E-06
2887	488906.61, 3858703.33	1.70E-02	2.68E-06	9.33E-07	1.81E-02	2.85E-06	9.94E-07	2.59E-02	4.09E-06	1.42E-06
2888	488936.61, 3858703.33	1.66E-02	2.62E-06	9.13E-07	1.77E-02	2.79E-06	9.73E-07	2.55E-02	4.02E-06	1.40E-06
2889	488906.61, 3858733.33	1.70E-02	2.68E-06	9.32E-07	1.80E-02	2.84E-06	9.91E-07	2.54E-02	4.00E-06	1.40E-06
2890	488936.61, 3858733.33	1.66E-02	2.61E-06	9.08E-07	1.76E-02	2.77E-06	9.66E-07	2.50E-02	3.93E-06	1.37E-06
2891	488637.63, 3858467.85	2.47E-02	3.90E-06	1.36E-06	2.66E-02	4.19E-06	1.46E-06	4.13E-02	6.51E-06	2.27E-06
2892	488662.63, 3858467.85	2.42E-02	3.81E-06	1.33E-06	2.61E-02	4.10E-06	1.43E-06	4.05E-02	6.37E-06	2.22E-06
2893	488637.63, 3858492.85	2.40E-02	3.78E-06	1.32E-06	2.58E-02	4.06E-06	1.41E-06	3.96E-02	6.24E-06	2.17E-06
2894	488662.63, 3858492.85	2.35E-02	3.70E-06	1.29E-06	2.52E-02	3.98E-06	1.39E-06	3.89E-02	6.12E-06	2.13E-06
2895	488687.63, 3858492.85	2.30E-02	3.63E-06	1.26E-06	2.48E-02	3.90E-06	1.36E-06	3.82E-02	6.01E-06	2.09E-06
2896	488637.63, 3858517.85	2.33E-02	3.67E-06	1.28E-06	2.50E-02	3.93E-06	1.37E-06	3.79E-02	5.98E-06	2.08E-06
2897	488662.63, 3858517.85	2.28E-02	3.59E-06	1.25E-06	2.45E-02	3.86E-06	1.34E-06	3.73E-02	5.87E-06	2.05E-06
2898	488687.63, 3858517.85	2.24E-02	3.52E-06	1.23E-06	2.40E-02	3.78E-06	1.32E-06	3.66E-02	5.77E-06	2.01E-06
2899	488194.42, 3857168.98	2.98E-02	4.69E-06	1.63E-06	3.22E-02	5.07E-06	1.77E-06	5.17E-02	8.15E-06	2.84E-06
2900	488244.42, 3857168.98	2.91E-02	4.59E-06	1.60E-06	3.15E-02	4.96E-06	1.73E-06	5.06E-02	7.97E-06	2.78E-06
2901	488294.42, 3857168.98	2.85E-02	4.49E-06	1.56E-06	3.08E-02	4.85E-06	1.69E-06	4.94E-02	7.79E-06	2.71E-06
2902	488244.42, 3857218.98	2.98E-02	4.70E-06	1.64E-06	3.22E-02	5.08E-06	1.77E-06	5.18E-02	8.16E-06	2.84E-06
2903	488294.42, 3857218.98	2.91E-02	4.59E-06	1.60E-06	3.15E-02	4.96E-06	1.73E-06	5.06E-02	7.97E-06	2.78E-06
2904	488294.42, 3857268.98	2.98E-02	4.70E-06	1.64E-06	3.22E-02	5.08E-06	1.77E-06	5.18E-02	8.16E-06	2.84E-06
2905	488139.13, 3857111.68	2.97E-02	4.68E-06	1.63E-06	3.21E-02	5.06E-06	1.76E-06	5.15E-02	8.12E-06	2.83E-06
2906	488189.13, 3857111.68	2.91E-02	4.58E-06	1.60E-06	3.14E-02	4.95E-06	1.72E-06	5.04E-02	7.94E-06	2.77E-06
2907	488189.13, 3857161.68	2.98E-02	4.69E-06	1.63E-06	3.22E-02	5.07E-06	1.77E-06	5.16E-02	8.14E-06	2.83E-06
2908	487951.04, 3856961.26	2.96E-02	4.66E-06	1.62E-06	3.20E-02	5.04E-06	1.75E-06	5.12E-02	8.06E-06	2.81E-06
2909	488001.04, 3856961.26	2.90E-02	4.57E-06	1.59E-06	3.13E-02	4.93E-06	1.72E-06	5.01E-02	7.90E-06	2.75E-06
2910	488051.04, 3856961.26	2.83E-02	4.46E-06	1.56E-06	3.06E-02	4.83E-06	1.68E-06	4.90E-02	7.72E-06	2.69E-06
2911	488101.04, 3856961.26	2.79E-02	4.39E-06	1.53E-06	3.01E-02	4.74E-06	1.65E-06	4.82E-02	7.60E-06	2.65E-06
2912	487951.04, 3857011.26	3.05E-02	4.80E-06	1.67E-06	3.29E-02	5.19E-06	1.81E-06	5.28E-02	8.31E-06	2.90E-06
2913	488001.04, 3857011.26	2.98E-02	4.69E-06	1.63E-06	3.22E-02	5.07E-06	1.76E-06	5.15E-02	8.11E-06	2.83E-06
2914	488051.04, 3857011.26	2.91E-02	4.58E-06	1.60E-06	3.14E-02	4.95E-06	1.73E-06	5.04E-02	7.93E-06	2.76E-06
2915	488101.04, 3857011.26	2.86E-02	4.50E-06	1.57E-06	3.09E-02	4.87E-06	1.70E-06	4.95E-02	7.79E-06	2.72E-06
2916	488001.04, 3857061.26	3.06E-02	4.82E-06	1.68E-06	3.31E-02	5.21E-06	1.81E-06	5.30E-02	8.35E-06	2.91E-06
2917	488051.04, 3857061.26	2.99E-02	4.72E-06	1.64E-06	3.24E-02	5.10E-06	1.78E-06	5.18E-02	8.17E-06	2.85E-06
2918	488101.04, 3857061.26	2.93E-02	4.62E-06	1.61E-06	3.17E-02	4.99E-06	1.74E-06	5.08E-02	8.00E-06	2.79E-06
2919	487638.98, 3856673.79	2.80E-02	4.41E-06	1.54E-06	3.02E-02	4.76E-06	1.66E-06	4.83E-02	7.61E-06	2.65E-06
2920	487688.98, 3856673.79	2.75E-02	4.33E-06	1.51E-06	2.97E-02	4.68E-06	1.63E-06	4.75E-02	7.48E-06	2.61E-06
2921	487638.98, 3856723.79	2.89E-02	4.56E-06	1.59E-06	3.13E-02	4.93E-06	1.72E-06	5.00E-02	7.88E-06	2.74E-06
2922	487688.98, 3856723.79	2.84E-02	4.47E-06	1.56E-06	3.07E-02	4.83E-06	1.68E-06	4.91E-02	7.73E-06	2.69E-06
2923	486324.61, 3855740.57	2.30E-02	3.62E-06	1.26E-06	2.48E-02	3.91E-06	1.36E-06	3.92E-02	6.18E-06	2.15E-06
2924	486374.61, 3855740.57	2.18E-02	3.43E-06	1.20E-06	2.35E-02	3.70E-06	1.29E-06	3.72E-02	5.86E-06	2.04E-06
2925	486424.61, 3855740.57	2.12E-02	3.33E-06	1.16E-06	2.28E-02	3.60E-06	1.25E-06	3.61E-02	5.69E-06	1.98E-06
2926	486324.61, 3855790.57	2.38E-02	3.75E-06	1.31E-06	2.57E-02	4.05E-06	1.41E-06	4.07E-02	6.41E-06	2.23E-06
2927	486374.61, 3855790.57	2.27E-02	3.57E-06	1.24E-06	2.44E-02	3.85E-06	1.34E-06	3.87E-02	6.10E-06	2.12E-06
2928	486424.61, 3855790.57	2.22E-02	3.50E-06	1.22E-06	2.39E-02	3.77E-06	1.31E-06	3.79E-02	5.97E-06	2.08E-06
2929	486324.61, 3855840.57	2.46E-02	3.88E-06	1.35E-06	2.66E-02	4.18E-06	1.46E-06	4.21E-02	6.63E-06	2.31E-06
2930	486374.61, 3855840.57	2.40E-02	3.78E-06	1.32E-06	2.59E-02	4.08E-06	1.42E-06	4.11E-02	6.47E-06	2.25E-06
2931	486424.61, 3855840.57	2.33E-02	3.67E-06	1.28E-06	2.51E-02	3.96E-06	1.38E-06	3.98E-02	6.27E-06	2.19E-06
2932	486324.61, 3855890.57	2.60E-02	4.10E-06	1.43E-06	2.81E-02	4.43E-06	1.54E-06	4.46E-02	7.03E-06	2.45E-06
2933	486374.61, 3855890.57	2.53E-02	3.99E-06	1.39E-06	2.73E-02	4.30E-06	1.50E-06	4.33E-02	6.83E-06	2.38E-06
2934	486424.61, 3855890.57	2.44E-02	3.85E-06	1.34E-06	2.64E-02	4.16E-06	1.45E-06	4.19E-02	6.59E-06	2.30E-06
2935	488735.69, 3858285.64	2.71E-02	4.28E-06	1.49E-06	2.93E-02	4.62E-06	1.61E-06	4.70E-02	7.40E-06	2.58E-06
2936	488765.69, 3858285.64	2.65E-02	4.17E-06	1.45E-06	2.86E-02	4.51E-06	1.57E-06	4.58E-02	7.21E-06	2.51E-06
2937	488735.69, 3858315.64	2.66E-02	4.19E-06	1.46E-06	2.87E-02	4.53E-06	1.58E-06	4.59E-02	7.24E-06	2.52E-06
2938	488765.69, 3858315.64	2.59E-02	4.09E-06	1.42E-06	2.80E-02	4.42E-06	1.54E-06	4.48E-02	7.05E-06	2.46E-06
2939	478676.63, 3849871.93	6.40E-04	1.01E-07	3.51E-08	6.90E-04	1.09E-07	3.79E-08	1.09E-03	1.72E-07	6.00E-08
2940	479326.63, 3849871.93	6.10E-04	9.60E-08	3.35E-08	6.58E-04	1.04E-07	3.61E-08	1.04E-03	1.64E-07	5.71E-08

2941	479376.63, 3849871.93	5.99E-04	9.44E-08	3.29E-08	6.47E-04	1.02E-07	3.55E-08	1.02E-03	1.61E-07	5.62E-08
2942	479426.63, 3849871.93	5.92E-04	9.33E-08	3.25E-08	6.39E-04	1.01E-07	3.51E-08	1.01E-03	1.59E-07	5.54E-08
2943	478726.63, 3849921.93	6.51E-04	1.03E-07	3.57E-08	7.02E-04	1.11E-07	3.85E-08	1.11E-03	1.75E-07	6.10E-08
2944	478776.63, 3849921.93	6.60E-04	1.04E-07	3.62E-08	7.12E-04	1.12E-07	3.91E-08	1.13E-03	1.78E-07	6.19E-08
2945	478826.63, 3849921.93	6.67E-04	1.05E-07	3.66E-08	7.20E-04	1.13E-07	3.95E-08	1.14E-03	1.80E-07	6.26E-08
2946	478976.63, 3849921.93	6.78E-04	1.07E-07	3.72E-08	7.31E-04	1.15E-07	4.01E-08	1.16E-03	1.82E-07	6.36E-08
2947	479026.63, 3849921.93	6.83E-04	1.08E-07	3.75E-08	7.37E-04	1.16E-07	4.04E-08	1.17E-03	1.84E-07	6.40E-08
2948	479076.63, 3849921.93	6.82E-04	1.07E-07	3.74E-08	7.36E-04	1.16E-07	4.04E-08	1.17E-03	1.84E-07	6.40E-08
2949	479126.63, 3849921.93	6.79E-04	1.07E-07	3.73E-08	7.32E-04	1.15E-07	4.02E-08	1.16E-03	1.83E-07	6.37E-08
2950	479176.63, 3849921.93	6.76E-04	1.07E-07	3.71E-08	7.30E-04	1.15E-07	4.01E-08	1.16E-03	1.82E-07	6.34E-08
2951	479226.63, 3849921.93	6.62E-04	1.04E-07	3.63E-08	7.14E-04	1.13E-07	3.92E-08	1.13E-03	1.78E-07	6.21E-08
2952	479276.63, 3849921.93	6.37E-04	1.00E-07	3.50E-08	6.87E-04	1.08E-07	3.77E-08	1.09E-03	1.71E-07	5.97E-08
2953	479326.63, 3849921.93	6.49E-04	1.02E-07	3.56E-08	7.00E-04	1.10E-07	3.84E-08	1.11E-03	1.75E-07	6.08E-08
2954	479376.63, 3849921.93	6.22E-04	9.79E-08	3.41E-08	6.71E-04	1.06E-07	3.68E-08	1.06E-03	1.67E-07	5.83E-08
2955	479426.63, 3849921.93	6.25E-04	9.84E-08	3.43E-08	6.74E-04	1.06E-07	3.70E-08	1.07E-03	1.68E-07	5.85E-08
2956	478726.63, 3849971.93	6.50E-04	1.02E-07	3.57E-08	7.01E-04	1.11E-07	3.85E-08	1.11E-03	1.75E-07	6.09E-08
2957	478776.63, 3849971.93	6.61E-04	1.04E-07	3.63E-08	7.13E-04	1.12E-07	3.91E-08	1.13E-03	1.78E-07	6.20E-08
2958	478826.63, 3849971.93	6.70E-04	1.06E-07	3.68E-08	7.23E-04	1.14E-07	3.97E-08	1.15E-03	1.80E-07	6.28E-08
2959	478976.63, 3849971.93	6.92E-04	1.09E-07	3.80E-08	7.47E-04	1.18E-07	4.10E-08	1.18E-03	1.86E-07	6.50E-08
2960	479026.63, 3849971.93	6.94E-04	1.09E-07	3.81E-08	7.49E-04	1.18E-07	4.11E-08	1.19E-03	1.87E-07	6.51E-08
2961	479076.63, 3849971.93	6.94E-04	1.09E-07	3.81E-08	7.49E-04	1.18E-07	4.11E-08	1.19E-03	1.87E-07	6.51E-08
2962	479126.63, 3849971.93	6.94E-04	1.09E-07	3.81E-08	7.49E-04	1.18E-07	4.11E-08	1.19E-03	1.87E-07	6.51E-08
2963	479176.63, 3849971.93	6.91E-04	1.09E-07	3.79E-08	7.46E-04	1.17E-07	4.09E-08	1.18E-03	1.86E-07	6.48E-08
2964	479226.63, 3849971.93	6.64E-04	1.05E-07	3.64E-08	7.16E-04	1.13E-07	3.93E-08	1.13E-03	1.79E-07	6.23E-08
2965	479276.63, 3849971.93	6.74E-04	1.06E-07	3.70E-08	7.27E-04	1.15E-07	3.99E-08	1.15E-03	1.81E-07	6.32E-08
2966	479326.63, 3849971.93	6.78E-04	1.07E-07	3.72E-08	7.31E-04	1.15E-07	4.01E-08	1.16E-03	1.82E-07	6.36E-08
2967	479376.63, 3849971.93	6.53E-04	1.03E-07	3.58E-08	7.04E-04	1.11E-07	3.86E-08	1.11E-03	1.76E-07	6.12E-08
2968	479426.63, 3849971.93	6.48E-04	1.02E-07	3.56E-08	7.00E-04	1.10E-07	3.84E-08	1.11E-03	1.74E-07	6.08E-08
2969	478726.63, 3850021.93	6.48E-04	1.02E-07	3.56E-08	6.99E-04	1.10E-07	3.84E-08	1.11E-03	1.74E-07	6.07E-08
2970	478776.63, 3850021.93	6.60E-04	1.04E-07	3.62E-08	7.12E-04	1.12E-07	3.91E-08	1.13E-03	1.78E-07	6.19E-08
2971	478826.63, 3850021.93	6.72E-04	1.06E-07	3.69E-08	7.25E-04	1.14E-07	3.98E-08	1.15E-03	1.81E-07	6.30E-08
2972	478976.63, 3850021.93	6.99E-04	1.10E-07	3.84E-08	7.54E-04	1.19E-07	4.14E-08	1.19E-03	1.88E-07	6.56E-08
2973	478726.63, 3850071.93	6.44E-04	1.01E-07	3.53E-08	6.95E-04	1.09E-07	3.81E-08	1.10E-03	1.73E-07	6.03E-08
2974	478776.63, 3850071.93	6.58E-04	1.04E-07	3.61E-08	7.10E-04	1.12E-07	3.90E-08	1.12E-03	1.77E-07	6.17E-08
2975	478826.63, 3850071.93	6.72E-04	1.06E-07	3.69E-08	7.24E-04	1.14E-07	3.98E-08	1.15E-03	1.81E-07	6.29E-08
2976	478876.63, 3850071.93	6.84E-04	1.08E-07	3.75E-08	7.38E-04	1.16E-07	4.05E-08	1.17E-03	1.84E-07	6.41E-08
2977	478976.63, 3850071.93	7.04E-04	1.11E-07	3.87E-08	7.60E-04	1.20E-07	4.17E-08	1.20E-03	1.90E-07	6.61E-08
2978	478726.63, 3850121.93	6.39E-04	1.01E-07	3.51E-08	6.89E-04	1.09E-07	3.78E-08	1.09E-03	1.71E-07	5.97E-08
2979	478776.63, 3850121.93	6.55E-04	1.03E-07	3.60E-08	7.07E-04	1.11E-07	3.88E-08	1.12E-03	1.76E-07	6.13E-08
2980	478826.63, 3850121.93	6.70E-04	1.05E-07	3.68E-08	7.22E-04	1.14E-07	3.96E-08	1.14E-03	1.80E-07	6.27E-08
2981	478876.63, 3850121.93	6.83E-04	1.08E-07	3.75E-08	7.36E-04	1.16E-07	4.04E-08	1.17E-03	1.84E-07	6.40E-08
2982	478976.63, 3850121.93	7.07E-04	1.11E-07	3.88E-08	7.63E-04	1.20E-07	4.19E-08	1.21E-03	1.90E-07	6.63E-08
2983	479026.63, 3850121.93	7.17E-04	1.13E-07	3.94E-08	7.74E-04	1.22E-07	4.25E-08	1.23E-03	1.93E-07	6.72E-08
2984	479076.63, 3850121.93	7.24E-04	1.14E-07	3.97E-08	7.81E-04	1.23E-07	4.29E-08	1.24E-03	1.95E-07	6.79E-08
2985	479126.63, 3850121.93	7.29E-04	1.15E-07	4.00E-08	7.87E-04	1.24E-07	4.32E-08	1.25E-03	1.96E-07	6.84E-08
2986	478776.63, 3850171.93	6.49E-04	1.02E-07	3.56E-08	7.01E-04	1.10E-07	3.84E-08	1.11E-03	1.74E-07	6.07E-08
2987	478826.63, 3850171.93	6.65E-04	1.05E-07	3.65E-08	7.18E-04	1.13E-07	3.94E-08	1.13E-03	1.79E-07	6.23E-08
2988	478876.63, 3850171.93	6.80E-04	1.07E-07	3.73E-08	7.34E-04	1.16E-07	4.03E-08	1.16E-03	1.83E-07	6.37E-08
2989	478976.63, 3850171.93	7.09E-04	1.12E-07	3.89E-08	7.64E-04	1.20E-07	4.20E-08	1.21E-03	1.91E-07	6.64E-08
2990	479026.63, 3850171.93	7.21E-04	1.14E-07	3.96E-08	7.78E-04	1.23E-07	4.27E-08	1.23E-03	1.94E-07	6.76E-08
2991	479076.63, 3850171.93	7.30E-04	1.15E-07	4.00E-08	7.87E-04	1.24E-07	4.32E-08	1.25E-03	1.96E-07	6.84E-08
2992	479126.63, 3850171.93	7.37E-04	1.16E-07	4.05E-08	7.95E-04	1.25E-07	4.36E-08	1.26E-03	1.98E-07	6.91E-08
2993	479176.63, 3850171.93	7.44E-04	1.17E-07	4.08E-08	8.03E-04	1.26E-07	4.41E-08	1.27E-03	2.00E-07	6.98E-08
2994	479226.63, 3850171.93	7.51E-04	1.18E-07	4.12E-08	8.11E-04	1.28E-07	4.45E-08	1.28E-03	2.02E-07	7.05E-08
2995	479276.63, 3850171.93	7.57E-04	1.19E-07	4.16E-08	8.17E-04	1.29E-07	4.49E-08	1.29E-03	2.04E-07	7.10E-08
2996	479326.63, 3850171.93	7.56E-04	1.19E-07	4.15E-08	8.16E-04	1.29E-07	4.48E-08	1.29E-03	2.04E-07	7.09E-08
2997	479376.63, 3850171.93	7.53E-04	1.19E-07	4.13E-08	8.12E-04	1.28E-07	4.46E-08	1.29E-03	2.03E-07	7.06E-08
2998	478676.63, 3850221.93	6.04E-04	9.52E-08	3.32E-08	6.51E-04	1.03E-07	3.57E-08	1.03E-03	1.62E-07	5.63E-08
2999	478726.63, 3850221.93	6.24E-04	9.83E-08	3.42E-08	6.73E-04	1.06E-07	3.69E-08	1.06E-03	1.67E-07	5.83E-08
3000	478976.63, 3850221.93	7.08E-04	1.12E-07	3.89E-08	7.64E-04	1.20E-07	4.19E-08	1.21E-03	1.90E-07	6.63E-08
3001	479026.63, 3850221.93	7.22E-04	1.14E-07	3.96E-08	7.79E-04	1.23E-07	4.28E-08	1.23E-03	1.94E-07	6.76E-08
3002	479076.63, 3850221.93	7.33E-04	1.15E-07	4.02E-08	7.91E-04	1.25E-07	4.34E-08	1.25E-03	1.97E-07	6.87E-08
3003	479126.63, 3850221.93	7.43E-04	1.17E-07	4.08E-08	8.01E-04	1.26E-07	4.40E-08	1.27E-03	2.00E-07	6.96E-08
3004	479176.63, 3850221.93	7.52E-04	1.19E-07	4.13E-08	8.12E-04	1.28E-07	4.46E-08	1.29E-03	2.03E-07	7.06E-08

3005	479226.63, 3850221.93	7.60E-04	1.20E-07	4.17E-08	8.20E-04	1.29E-07	4.50E-08	1.30E-03	2.05E-07	7.13E-08
3006	479276.63, 3850221.93	7.67E-04	1.21E-07	4.21E-08	8.27E-04	1.30E-07	4.54E-08	1.31E-03	2.06E-07	7.19E-08
3007	479326.63, 3850221.93	7.68E-04	1.21E-07	4.21E-08	8.28E-04	1.30E-07	4.55E-08	1.31E-03	2.07E-07	7.20E-08
3008	479376.63, 3850221.93	7.68E-04	1.21E-07	4.21E-08	8.28E-04	1.30E-07	4.55E-08	1.31E-03	2.07E-07	7.20E-08
3009	478676.63, 3850271.93	5.95E-04	9.37E-08	3.26E-08	6.41E-04	1.01E-07	3.52E-08	1.01E-03	1.59E-07	5.54E-08
3010	478726.63, 3850271.93	6.15E-04	9.69E-08	3.38E-08	6.63E-04	1.04E-07	3.64E-08	1.05E-03	1.65E-07	5.74E-08
3011	478976.63, 3850271.93	7.05E-04	1.11E-07	3.87E-08	7.61E-04	1.20E-07	4.17E-08	1.20E-03	1.89E-07	6.60E-08
3012	479026.63, 3850271.93	7.21E-04	1.14E-07	3.96E-08	7.78E-04	1.23E-07	4.27E-08	1.23E-03	1.94E-07	6.75E-08
3013	479076.63, 3850271.93	7.35E-04	1.16E-07	4.03E-08	7.93E-04	1.25E-07	4.35E-08	1.25E-03	1.98E-07	6.88E-08
3014	479126.63, 3850271.93	7.47E-04	1.18E-07	4.10E-08	8.06E-04	1.27E-07	4.42E-08	1.27E-03	2.01E-07	7.00E-08
3015	479176.63, 3850271.93	7.58E-04	1.19E-07	4.16E-08	8.17E-04	1.29E-07	4.49E-08	1.29E-03	2.04E-07	7.10E-08
3016	479226.63, 3850271.93	7.67E-04	1.21E-07	4.21E-08	8.28E-04	1.30E-07	4.54E-08	1.31E-03	2.06E-07	7.19E-08
3017	479276.63, 3850271.93	7.74E-04	1.22E-07	4.25E-08	8.35E-04	1.32E-07	4.58E-08	1.32E-03	2.08E-07	7.26E-08
3018	479326.63, 3850271.93	7.77E-04	1.22E-07	4.27E-08	8.39E-04	1.32E-07	4.60E-08	1.33E-03	2.09E-07	7.29E-08
3019	479376.63, 3850271.93	7.78E-04	1.23E-07	4.27E-08	8.39E-04	1.32E-07	4.61E-08	1.33E-03	2.09E-07	7.29E-08
3020	479053.24, 3850293.52	7.28E-04	1.15E-07	4.00E-08	7.86E-04	1.24E-07	4.31E-08	1.24E-03	1.96E-07	6.82E-08
3021	479103.24, 3850293.52	7.42E-04	1.17E-07	4.07E-08	8.00E-04	1.26E-07	4.39E-08	1.27E-03	1.99E-07	6.95E-08
3022	479153.24, 3850293.52	7.54E-04	1.19E-07	4.14E-08	8.13E-04	1.28E-07	4.46E-08	1.29E-03	2.03E-07	7.06E-08
3023	479203.24, 3850293.52	7.65E-04	1.21E-07	4.20E-08	8.25E-04	1.30E-07	4.53E-08	1.31E-03	2.06E-07	7.17E-08
3024	479253.24, 3850293.52	7.74E-04	1.22E-07	4.25E-08	8.35E-04	1.32E-07	4.58E-08	1.32E-03	2.08E-07	7.25E-08
3025	479303.24, 3850293.52	7.79E-04	1.23E-07	4.28E-08	8.41E-04	1.32E-07	4.61E-08	1.33E-03	2.10E-07	7.31E-08
3026	479353.24, 3850293.52	7.82E-04	1.23E-07	4.29E-08	8.44E-04	1.33E-07	4.63E-08	1.34E-03	2.10E-07	7.33E-08
3027	479153.24, 3850343.52	7.55E-04	1.19E-07	4.14E-08	8.15E-04	1.28E-07	4.47E-08	1.29E-03	2.03E-07	7.07E-08
3028	479203.24, 3850343.52	7.68E-04	1.21E-07	4.22E-08	8.29E-04	1.31E-07	4.55E-08	1.31E-03	2.07E-07	7.20E-08
3029	479253.24, 3850343.52	7.78E-04	1.22E-07	4.27E-08	8.39E-04	1.32E-07	4.60E-08	1.33E-03	2.09E-07	7.29E-08
3030	479303.24, 3850343.52	7.85E-04	1.24E-07	4.31E-08	8.47E-04	1.33E-07	4.65E-08	1.34E-03	2.11E-07	7.36E-08
3031	479353.24, 3850343.52	7.90E-04	1.24E-07	4.34E-08	8.52E-04	1.34E-07	4.68E-08	1.35E-03	2.13E-07	7.41E-08
3032	479203.24, 3850393.52	7.68E-04	1.21E-07	4.22E-08	8.29E-04	1.31E-07	4.55E-08	1.31E-03	2.06E-07	7.19E-08
3033	479253.24, 3850393.52	7.80E-04	1.23E-07	4.28E-08	8.41E-04	1.33E-07	4.62E-08	1.33E-03	2.10E-07	7.30E-08
3034	479303.24, 3850393.52	7.89E-04	1.24E-07	4.33E-08	8.51E-04	1.34E-07	4.67E-08	1.35E-03	2.12E-07	7.40E-08
3035	479353.24, 3850393.52	7.96E-04	1.25E-07	4.37E-08	8.59E-04	1.35E-07	4.72E-08	1.36E-03	2.14E-07	7.46E-08
3036	479403.24, 3850393.52	8.01E-04	1.26E-07	4.40E-08	8.65E-04	1.36E-07	4.75E-08	1.37E-03	2.16E-07	7.51E-08
3037	479453.24, 3850393.52	8.03E-04	1.27E-07	4.41E-08	8.67E-04	1.37E-07	4.76E-08	1.37E-03	2.16E-07	7.53E-08
3038	479503.24, 3850393.52	8.01E-04	1.26E-07	4.40E-08	8.65E-04	1.36E-07	4.75E-08	1.37E-03	2.16E-07	7.52E-08
3039	479303.24, 3850443.52	7.91E-04	1.25E-07	4.34E-08	8.53E-04	1.34E-07	4.68E-08	1.35E-03	2.13E-07	7.41E-08
3040	479353.24, 3850443.52	8.00E-04	1.26E-07	4.39E-08	8.63E-04	1.36E-07	4.73E-08	1.37E-03	2.15E-07	7.49E-08
3041	479403.24, 3850443.52	8.06E-04	1.27E-07	4.42E-08	8.70E-04	1.37E-07	4.77E-08	1.38E-03	2.17E-07	7.56E-08
3042	479453.24, 3850443.52	8.10E-04	1.28E-07	4.44E-08	8.74E-04	1.38E-07	4.80E-08	1.38E-03	2.18E-07	7.59E-08
3043	479503.24, 3850443.52	8.11E-04	1.28E-07	4.45E-08	8.75E-04	1.38E-07	4.80E-08	1.39E-03	2.18E-07	7.60E-08
3044	480327.18, 3850987.04	9.69E-04	1.53E-07	5.32E-08	1.05E-03	1.65E-07	5.74E-08	1.65E-03	2.60E-07	9.05E-08
3045	480377.18, 3850987.04	9.62E-04	1.52E-07	5.28E-08	1.04E-03	1.63E-07	5.69E-08	1.64E-03	2.58E-07	8.98E-08
3046	480427.18, 3850987.04	9.52E-04	1.50E-07	5.23E-08	1.03E-03	1.62E-07	5.64E-08	1.62E-03	2.55E-07	8.88E-08
3047	480477.18, 3850987.04	9.41E-04	1.48E-07	5.17E-08	1.01E-03	1.60E-07	5.57E-08	1.60E-03	2.52E-07	8.78E-08
3048	480327.18, 3851037.04	9.91E-04	1.56E-07	5.44E-08	1.07E-03	1.68E-07	5.87E-08	1.69E-03	2.66E-07	9.26E-08
3049	480377.18, 3851037.04	9.85E-04	1.55E-07	5.41E-08	1.06E-03	1.67E-07	5.83E-08	1.68E-03	2.64E-07	9.20E-08
3050	480427.18, 3851037.04	9.77E-04	1.54E-07	5.36E-08	1.05E-03	1.66E-07	5.78E-08	1.66E-03	2.62E-07	9.11E-08
3051	480477.18, 3851037.04	9.68E-04	1.52E-07	5.31E-08	1.04E-03	1.64E-07	5.73E-08	1.64E-03	2.59E-07	9.03E-08
3052	480622.06, 3851087.39	9.68E-04	1.52E-07	5.31E-08	1.04E-03	1.64E-07	5.72E-08	1.64E-03	2.59E-07	9.01E-08
3053	480672.06, 3851087.39	9.58E-04	1.51E-07	5.26E-08	1.03E-03	1.63E-07	5.67E-08	1.63E-03	2.56E-07	8.92E-08
3054	480622.06, 3851137.39	9.96E-04	1.57E-07	5.46E-08	1.07E-03	1.69E-07	5.89E-08	1.69E-03	2.66E-07	9.28E-08
3055	480672.06, 3851137.39	9.86E-04	1.55E-07	5.41E-08	1.06E-03	1.68E-07	5.84E-08	1.67E-03	2.64E-07	9.19E-08
3056	480722.06, 3851137.39	9.78E-04	1.54E-07	5.37E-08	1.05E-03	1.66E-07	5.78E-08	1.66E-03	2.61E-07	9.10E-08
3057	480622.06, 3851187.39	1.02E-03	1.61E-07	5.62E-08	1.10E-03	1.74E-07	6.06E-08	1.74E-03	2.74E-07	9.54E-08
3058	480672.06, 3851187.39	1.02E-03	1.60E-07	5.57E-08	1.09E-03	1.72E-07	6.01E-08	1.72E-03	2.71E-07	9.45E-08
3059	480722.06, 3851187.39	1.01E-03	1.59E-07	5.53E-08	1.09E-03	1.71E-07	5.96E-08	1.71E-03	2.69E-07	9.37E-08
3060	471363.09, 3845877.25	1.28E-04	2.02E-08	7.04E-09	1.38E-04	2.18E-08	7.60E-09	2.19E-04	3.45E-08	1.20E-08
3061	471863.09, 3845877.25	1.21E-04	1.90E-08	6.62E-09	1.30E-04	2.05E-08	7.14E-09	2.06E-04	3.25E-08	1.13E-08
3062	472363.09, 3845877.25	1.26E-04	1.98E-08	6.90E-09	1.36E-04	2.14E-08	7.44E-09	2.15E-04	3.38E-08	1.18E-08
3063	472863.09, 3845877.25	1.05E-04	1.66E-08	5.78E-09	1.14E-04	1.79E-08	6.24E-09	1.80E-04	2.84E-08	9.89E-09
3064	473363.09, 3845877.25	1.12E-04	1.76E-08	6.12E-09	1.20E-04	1.90E-08	6.61E-09	1.91E-04	3.00E-08	1.05E-08
3065	473863.09, 3845877.25	1.21E-04	1.91E-08	6.66E-09	1.31E-04	2.06E-08	7.19E-09	2.07E-04	3.27E-08	1.14E-08
3066	474363.09, 3845877.25	1.57E-04	2.47E-08	8.61E-09	1.69E-04	2.67E-08	9.29E-09	2.68E-04	4.22E-08	1.47E-08
3067	474863.09, 3845877.25	1.98E-04	3.12E-08	1.09E-08	2.14E-04	3.37E-08	1.17E-08	3.39E-04	5.34E-08	1.86E-08
3068	475363.09, 3845877.25	2.18E-04	3.44E-08	1.20E-08	2.35E-04	3.71E-08	1.29E-08	3.73E-04	5.88E-08	2.05E-08

3069	475863.09, 3845877.25	2.13E-04	3.35E-08	1.17E-08	2.30E-04	3.62E-08	1.26E-08	3.64E-04	5.73E-08	2.00E-08
3070	476363.09, 3845877.25	1.84E-04	2.89E-08	1.01E-08	1.98E-04	3.12E-08	1.09E-08	3.13E-04	4.93E-08	1.72E-08
3071	476863.09, 3845877.25	1.59E-04	2.51E-08	8.73E-09	1.72E-04	2.70E-08	9.42E-09	2.71E-04	4.27E-08	1.49E-08
3072	477363.09, 3845877.25	1.43E-04	2.25E-08	7.83E-09	1.54E-04	2.42E-08	8.44E-09	2.42E-04	3.82E-08	1.33E-08
3073	477863.09, 3845877.25	1.29E-04	2.03E-08	7.08E-09	1.39E-04	2.19E-08	7.63E-09	2.19E-04	3.45E-08	1.20E-08
3074	478363.09, 3845877.25	1.22E-04	1.92E-08	6.67E-09	1.31E-04	2.06E-08	7.19E-09	2.06E-04	3.25E-08	1.13E-08
3075	478863.09, 3845877.25	1.16E-04	1.83E-08	6.39E-09	1.26E-04	1.98E-08	6.89E-09	1.98E-04	3.12E-08	1.09E-08
3076	479363.09, 3845877.25	1.14E-04	1.80E-08	6.27E-09	1.23E-04	1.94E-08	6.75E-09	1.93E-04	3.04E-08	1.06E-08
3077	479863.09, 3845877.25	1.07E-04	1.68E-08	5.86E-09	1.15E-04	1.81E-08	6.32E-09	1.81E-04	2.85E-08	9.93E-09
3078	480363.09, 3845877.25	9.45E-05	1.49E-08	5.18E-09	1.02E-04	1.60E-08	5.59E-09	1.60E-04	2.53E-08	8.81E-09
3079	480863.09, 3845877.25	8.79E-05	1.38E-08	4.82E-09	9.47E-05	1.49E-08	5.20E-09	1.49E-04	2.35E-08	8.18E-09
3080	481363.09, 3845877.25	8.22E-05	1.30E-08	4.51E-09	8.86E-05	1.40E-08	4.86E-09	1.40E-04	2.20E-08	7.66E-09
3081	481863.09, 3845877.25	7.71E-05	1.21E-08	4.23E-09	8.31E-05	1.31E-08	4.56E-09	1.31E-04	2.07E-08	7.20E-09
3082	482363.09, 3845877.25	7.05E-05	1.11E-08	3.87E-09	7.60E-05	1.20E-08	4.17E-09	1.20E-04	1.89E-08	6.57E-09
3083	482863.09, 3845877.25	6.02E-05	9.48E-09	3.30E-09	6.49E-05	1.02E-08	3.56E-09	1.03E-04	1.61E-08	5.63E-09
3084	483363.09, 3845877.25	5.51E-05	8.67E-09	3.02E-09	5.94E-05	9.36E-09	3.26E-09	9.41E-05	1.48E-08	5.16E-09
3085	483863.09, 3845877.25	6.07E-05	9.57E-09	3.33E-09	6.55E-05	1.03E-08	3.60E-09	1.03E-04	1.63E-08	5.67E-09
3086	484363.09, 3845877.25	5.99E-05	9.44E-09	3.29E-09	6.46E-05	1.02E-08	3.55E-09	1.02E-04	1.61E-08	5.59E-09
3087	484863.09, 3845877.25	5.69E-05	8.97E-09	3.13E-09	6.14E-05	9.67E-09	3.37E-09	9.69E-05	1.53E-08	5.32E-09
3088	485363.09, 3845877.25	5.40E-05	8.50E-09	2.96E-09	5.82E-05	9.17E-09	3.19E-09	9.21E-05	1.45E-08	5.05E-09
3089	485863.09, 3845877.25	5.34E-05	8.41E-09	2.93E-09	5.76E-05	9.07E-09	3.16E-09	9.12E-05	1.44E-08	5.01E-09
3090	486363.09, 3845877.25	5.17E-05	8.14E-09	2.84E-09	5.58E-05	8.79E-09	3.06E-09	8.83E-05	1.39E-08	4.85E-09
3091	486863.09, 3845877.25	4.86E-05	7.65E-09	2.67E-09	5.24E-05	8.26E-09	2.88E-09	8.31E-05	1.31E-08	4.56E-09
3092	487363.09, 3845877.25	4.76E-05	7.50E-09	2.61E-09	5.14E-05	8.09E-09	2.82E-09	8.15E-05	1.28E-08	4.47E-09
3093	487863.09, 3845877.25	4.53E-05	7.14E-09	2.49E-09	4.89E-05	7.71E-09	2.68E-09	7.78E-05	1.23E-08	4.27E-09
3094	488363.09, 3845877.25	4.46E-05	7.02E-09	2.45E-09	4.82E-05	7.59E-09	2.64E-09	7.67E-05	1.21E-08	4.21E-09
3095	488863.09, 3845877.25	4.78E-05	7.54E-09	2.63E-09	5.17E-05	8.14E-09	2.83E-09	8.21E-05	1.29E-08	4.51E-09
3096	489363.09, 3845877.25	4.84E-05	7.62E-09	2.66E-09	5.23E-05	8.23E-09	2.87E-09	8.32E-05	1.31E-08	4.57E-09
3097	489863.09, 3845877.25	4.79E-05	7.55E-09	2.63E-09	5.18E-05	8.16E-09	2.84E-09	8.28E-05	1.30E-08	4.54E-09
3098	490363.09, 3845877.25	4.68E-05	7.37E-09	2.57E-09	5.06E-05	7.97E-09	2.78E-09	8.11E-05	1.28E-08	4.45E-09
3099	490863.09, 3845877.25	4.39E-05	6.92E-09	2.41E-09	4.75E-05	7.49E-09	2.61E-09	7.64E-05	1.20E-08	4.20E-09
3100	491363.09, 3845877.25	4.73E-05	7.46E-09	2.60E-09	5.12E-05	8.06E-09	2.81E-09	8.22E-05	1.30E-08	4.51E-09
3101	491863.09, 3845877.25	5.00E-05	7.88E-09	2.74E-09	5.41E-05	8.52E-09	2.97E-09	8.67E-05	1.37E-08	4.76E-09
3102	492363.09, 3845877.25	4.80E-05	7.56E-09	2.63E-09	5.19E-05	8.18E-09	2.85E-09	8.35E-05	1.32E-08	4.58E-09
3103	492863.09, 3845877.25	5.42E-05	8.54E-09	2.98E-09	5.86E-05	9.23E-09	3.22E-09	9.39E-05	1.48E-08	5.15E-09
3104	493363.09, 3845877.25	5.79E-05	9.12E-09	3.18E-09	6.26E-05	9.86E-09	3.43E-09	1.00E-04	1.58E-08	5.50E-09
3105	493863.09, 3845877.25	6.18E-05	9.74E-09	3.39E-09	6.68E-05	1.05E-08	3.67E-09	1.07E-04	1.68E-08	5.87E-09
3106	494363.09, 3845877.25	6.59E-05	1.04E-08	3.62E-09	7.12E-05	1.12E-08	3.91E-09	1.14E-04	1.80E-08	6.26E-09
3107	494863.09, 3845877.25	6.96E-05	1.10E-08	3.82E-09	7.52E-05	1.18E-08	4.13E-09	1.20E-04	1.90E-08	6.61E-09
3108	495363.09, 3845877.25	7.42E-05	1.17E-08	4.07E-09	8.02E-05	1.26E-08	4.40E-09	1.28E-04	2.02E-08	7.04E-09
3109	495863.09, 3845877.25	8.00E-05	1.26E-08	4.39E-09	8.64E-05	1.36E-08	4.74E-09	1.38E-04	2.18E-08	7.59E-09
3110	496363.09, 3845877.25	8.59E-05	1.35E-08	4.71E-09	9.28E-05	1.46E-08	5.09E-09	1.48E-04	2.34E-08	8.15E-09
3111	496863.09, 3845877.25	9.04E-05	1.42E-08	4.96E-09	9.77E-05	1.54E-08	5.36E-09	1.56E-04	2.46E-08	8.57E-09
3112	497363.09, 3845877.25	9.53E-05	1.50E-08	5.23E-09	1.03E-04	1.62E-08	5.65E-09	1.65E-04	2.60E-08	9.04E-09
3113	497863.09, 3845877.25	1.01E-04	1.59E-08	5.53E-09	1.09E-04	1.72E-08	5.98E-09	1.74E-04	2.74E-08	9.56E-09
3114	498363.09, 3845877.25	1.06E-04	1.67E-08	5.80E-09	1.14E-04	1.80E-08	6.27E-09	1.83E-04	2.88E-08	1.00E-08
3115	471363.09, 3846377.25	2.06E-04	3.25E-08	1.13E-08	2.23E-04	3.51E-08	1.22E-08	3.51E-04	5.53E-08	1.93E-08
3116	471863.09, 3846377.25	1.85E-04	2.92E-08	1.02E-08	2.00E-04	3.15E-08	1.10E-08	3.16E-04	4.97E-08	1.73E-08
3117	472363.09, 3846377.25	1.31E-04	2.06E-08	7.19E-09	1.41E-04	2.23E-08	7.76E-09	2.24E-04	3.53E-08	1.23E-08
3118	472863.09, 3846377.25	1.28E-04	2.01E-08	7.02E-09	1.38E-04	2.17E-08	7.57E-09	2.19E-04	3.44E-08	1.20E-08
3119	473363.09, 3846377.25	1.22E-04	1.93E-08	6.71E-09	1.32E-04	2.08E-08	7.24E-09	2.09E-04	3.29E-08	1.15E-08
3120	473863.09, 3846377.25	1.34E-04	2.11E-08	7.34E-09	1.44E-04	2.27E-08	7.92E-09	2.28E-04	3.59E-08	1.25E-08
3121	474363.09, 3846377.25	1.49E-04	2.35E-08	8.19E-09	1.61E-04	2.54E-08	8.83E-09	2.54E-04	4.01E-08	1.40E-08
3122	474863.09, 3846377.25	1.91E-04	3.01E-08	1.05E-08	2.06E-04	3.25E-08	1.13E-08	3.26E-04	5.14E-08	1.79E-08
3123	475363.09, 3846377.25	2.34E-04	3.69E-08	1.28E-08	2.52E-04	3.98E-08	1.39E-08	4.00E-04	6.30E-08	2.19E-08
3124	475863.09, 3846377.25	2.53E-04	3.98E-08	1.39E-08	2.73E-04	4.30E-08	1.50E-08	4.32E-04	6.81E-08	2.37E-08
3125	476363.09, 3846377.25	2.31E-04	3.64E-08	1.27E-08	2.49E-04	3.93E-08	1.37E-08	3.95E-04	6.22E-08	2.17E-08
3126	476863.09, 3846377.25	1.98E-04	3.12E-08	1.09E-08	2.14E-04	3.36E-08	1.17E-08	3.38E-04	5.32E-08	1.85E-08
3127	477363.09, 3846377.25	1.75E-04	2.76E-08	9.61E-09	1.89E-04	2.98E-08	1.04E-08	2.99E-04	4.70E-08	1.64E-08
3128	477863.09, 3846377.25	1.52E-04	2.39E-08	8.34E-09	1.64E-04	2.58E-08	8.99E-09	2.58E-04	4.06E-08	1.41E-08
3129	478363.09, 3846377.25	1.42E-04	2.23E-08	7.77E-09	1.53E-04	2.40E-08	8.38E-09	2.41E-04	3.79E-08	1.32E-08
3130	478863.09, 3846377.25	1.41E-04	2.22E-08	7.72E-09	1.52E-04	2.39E-08	8.33E-09	2.39E-04	3.77E-08	1.31E-08
3131	479363.09, 3846377.25	1.33E-04	2.10E-08	7.32E-09	1.44E-04	2.27E-08	7.89E-09	2.26E-04	3.57E-08	1.24E-08
3132	479863.09, 3846377.25	1.21E-04	1.90E-08	6.64E-09	1.30E-04	2.05E-08	7.15E-09	2.05E-04	3.22E-08	1.12E-08

3133	480363.09, 3846377.25	1.17E-04	1.84E-08	6.40E-09	1.26E-04	1.98E-08	6.90E-09	1.98E-04	3.12E-08	1.09E-08
3134	480863.09, 3846377.25	1.01E-04	1.59E-08	5.55E-09	1.09E-04	1.72E-08	5.98E-09	1.72E-04	2.70E-08	9.42E-09
3135	481363.09, 3846377.25	9.54E-05	1.50E-08	5.23E-09	1.03E-04	1.62E-08	5.64E-09	1.62E-04	2.55E-08	8.87E-09
3136	481863.09, 3846377.25	8.85E-05	1.39E-08	4.86E-09	9.55E-05	1.50E-08	5.24E-09	1.50E-04	2.37E-08	8.25E-09
3137	482363.09, 3846377.25	7.94E-05	1.25E-08	4.36E-09	8.56E-05	1.35E-08	4.70E-09	1.35E-04	2.13E-08	7.40E-09
3138	482863.09, 3846377.25	6.91E-05	1.09E-08	3.79E-09	7.45E-05	1.17E-08	4.09E-09	1.17E-04	1.85E-08	6.44E-09
3139	483363.09, 3846377.25	7.02E-05	1.11E-08	3.85E-09	7.57E-05	1.19E-08	4.15E-09	1.19E-04	1.88E-08	6.55E-09
3140	483863.09, 3846377.25	6.82E-05	1.07E-08	3.75E-09	7.36E-05	1.16E-08	4.04E-09	1.16E-04	1.83E-08	6.36E-09
3141	484363.09, 3846377.25	6.29E-05	9.90E-09	3.45E-09	6.78E-05	1.07E-08	3.72E-09	1.07E-04	1.69E-08	5.87E-09
3142	484863.09, 3846377.25	6.53E-05	1.03E-08	3.58E-09	7.04E-05	1.11E-08	3.86E-09	1.11E-04	1.75E-08	6.09E-09
3143	485363.09, 3846377.25	6.37E-05	1.00E-08	3.50E-09	6.87E-05	1.08E-08	3.77E-09	1.08E-04	1.71E-08	5.95E-09
3144	485863.09, 3846377.25	5.96E-05	9.39E-09	3.27E-09	6.43E-05	1.01E-08	3.53E-09	1.02E-04	1.60E-08	5.58E-09
3145	486363.09, 3846377.25	5.28E-05	8.32E-09	2.90E-09	5.70E-05	8.98E-09	3.13E-09	9.03E-05	1.42E-08	4.96E-09
3146	486863.09, 3846377.25	5.03E-05	7.92E-09	2.76E-09	5.43E-05	8.55E-09	2.98E-09	8.60E-05	1.36E-08	4.72E-09
3147	487363.09, 3846377.25	5.05E-05	7.96E-09	2.77E-09	5.45E-05	8.59E-09	2.99E-09	8.66E-05	1.36E-08	4.75E-09
3148	487863.09, 3846377.25	5.36E-05	8.45E-09	2.94E-09	5.79E-05	9.12E-09	3.18E-09	9.18E-05	1.45E-08	5.04E-09
3149	488363.09, 3846377.25	5.27E-05	8.29E-09	2.89E-09	5.68E-05	8.95E-09	3.12E-09	9.02E-05	1.42E-08	4.95E-09
3150	488863.09, 3846377.25	5.32E-05	8.38E-09	2.92E-09	5.74E-05	9.05E-09	3.15E-09	9.13E-05	1.44E-08	5.01E-09
3151	489363.09, 3846377.25	5.37E-05	8.46E-09	2.95E-09	5.80E-05	9.14E-09	3.18E-09	9.25E-05	1.46E-08	5.08E-09
3152	489863.09, 3846377.25	5.30E-05	8.35E-09	2.91E-09	5.73E-05	9.02E-09	3.14E-09	9.15E-05	1.44E-08	5.02E-09
3153	490363.09, 3846377.25	4.96E-05	7.81E-09	2.72E-09	5.36E-05	8.44E-09	2.94E-09	8.60E-05	1.35E-08	4.72E-09
3154	490863.09, 3846377.25	4.90E-05	7.72E-09	2.69E-09	5.30E-05	8.35E-09	2.91E-09	8.51E-05	1.34E-08	4.67E-09
3155	491363.09, 3846377.25	5.01E-05	7.90E-09	2.75E-09	5.42E-05	8.54E-09	2.97E-09	8.71E-05	1.37E-08	4.78E-09
3156	491863.09, 3846377.25	5.55E-05	8.74E-09	3.05E-09	6.00E-05	9.45E-09	3.29E-09	9.61E-05	1.51E-08	5.27E-09
3157	492363.09, 3846377.25	5.65E-05	8.89E-09	3.10E-09	6.10E-05	9.62E-09	3.35E-09	9.80E-05	1.54E-08	5.38E-09
3158	492863.09, 3846377.25	5.87E-05	9.25E-09	3.22E-09	6.35E-05	1.00E-08	3.48E-09	1.02E-04	1.60E-08	5.58E-09
3159	493363.09, 3846377.25	6.46E-05	1.02E-08	3.55E-09	6.99E-05	1.10E-08	3.83E-09	1.12E-04	1.76E-08	6.14E-09
3160	493863.09, 3846377.25	6.93E-05	1.09E-08	3.80E-09	7.49E-05	1.18E-08	4.11E-09	1.20E-04	1.89E-08	6.57E-09
3161	494363.09, 3846377.25	7.42E-05	1.17E-08	4.07E-09	8.02E-05	1.26E-08	4.40E-09	1.28E-04	2.02E-08	7.04E-09
3162	494863.09, 3846377.25	7.93E-05	1.25E-08	4.35E-09	8.57E-05	1.35E-08	4.70E-09	1.37E-04	2.16E-08	7.52E-09
3163	495363.09, 3846377.25	8.49E-05	1.34E-08	4.66E-09	9.17E-05	1.45E-08	5.03E-09	1.47E-04	2.31E-08	8.06E-09
3164	495863.09, 3846377.25	9.15E-05	1.44E-08	5.02E-09	9.89E-05	1.56E-08	5.43E-09	1.58E-04	2.49E-08	8.69E-09
3165	496363.09, 3846377.25	9.83E-05	1.55E-08	5.39E-09	1.06E-04	1.67E-08	5.83E-09	1.70E-04	2.68E-08	9.32E-09
3166	496863.09, 3846377.25	1.05E-04	1.65E-08	5.76E-09	1.13E-04	1.79E-08	6.22E-09	1.81E-04	2.86E-08	9.95E-09
3167	497363.09, 3846377.25	1.11E-04	1.75E-08	6.11E-09	1.20E-04	1.90E-08	6.60E-09	1.93E-04	3.03E-08	1.06E-08
3168	497863.09, 3846377.25	1.17E-04	1.84E-08	6.42E-09	1.26E-04	1.99E-08	6.94E-09	2.02E-04	3.18E-08	1.11E-08
3169	498363.09, 3846377.25	1.22E-04	1.92E-08	6.70E-09	1.32E-04	2.08E-08	7.24E-09	2.11E-04	3.32E-08	1.16E-08
3170	471363.09, 3846877.25	2.27E-04	3.57E-08	1.24E-08	2.44E-04	3.85E-08	1.34E-08	3.86E-04	6.07E-08	2.12E-08
3171	471863.09, 3846877.25	2.28E-04	3.59E-08	1.25E-08	2.46E-04	3.87E-08	1.35E-08	3.87E-04	6.10E-08	2.13E-08
3172	472363.09, 3846877.25	2.16E-04	3.40E-08	1.18E-08	2.33E-04	3.67E-08	1.28E-08	3.67E-04	5.78E-08	2.01E-08
3173	472863.09, 3846877.25	1.42E-04	2.23E-08	7.77E-09	1.53E-04	2.41E-08	8.38E-09	2.42E-04	3.81E-08	1.33E-08
3174	473363.09, 3846877.25	1.48E-04	2.34E-08	8.15E-09	1.60E-04	2.52E-08	8.79E-09	2.54E-04	3.99E-08	1.39E-08
3175	473863.09, 3846877.25	1.52E-04	2.40E-08	8.35E-09	1.64E-04	2.59E-08	9.01E-09	2.59E-04	4.09E-08	1.42E-08
3176	474363.09, 3846877.25	1.54E-04	2.43E-08	8.46E-09	1.66E-04	2.62E-08	9.13E-09	2.63E-04	4.14E-08	1.44E-08
3177	474863.09, 3846877.25	1.69E-04	2.67E-08	9.30E-09	1.83E-04	2.88E-08	1.00E-08	2.89E-04	4.55E-08	1.58E-08
3178	475363.09, 3846877.25	2.01E-04	3.17E-08	1.11E-08	2.17E-04	3.42E-08	1.19E-08	3.44E-04	5.41E-08	1.89E-08
3179	475863.09, 3846877.25	2.63E-04	4.15E-08	1.44E-08	2.84E-04	4.47E-08	1.56E-08	4.50E-04	7.08E-08	2.47E-08
3180	476363.09, 3846877.25	2.77E-04	4.37E-08	1.52E-08	2.99E-04	4.72E-08	1.64E-08	4.74E-04	7.47E-08	2.60E-08
3181	476863.09, 3846877.25	2.50E-04	3.94E-08	1.37E-08	2.70E-04	4.25E-08	1.48E-08	4.27E-04	6.73E-08	2.34E-08
3182	477363.09, 3846877.25	2.17E-04	3.42E-08	1.19E-08	2.34E-04	3.68E-08	1.28E-08	3.70E-04	5.82E-08	2.03E-08
3183	477863.09, 3846877.25	1.87E-04	2.95E-08	1.03E-08	2.02E-04	3.18E-08	1.11E-08	3.19E-04	5.02E-08	1.75E-08
3184	478363.09, 3846877.25	1.70E-04	2.67E-08	9.32E-09	1.83E-04	2.88E-08	1.00E-08	2.88E-04	4.54E-08	1.58E-08
3185	478863.09, 3846877.25	1.67E-04	2.64E-08	9.18E-09	1.80E-04	2.84E-08	9.90E-09	2.84E-04	4.47E-08	1.56E-08
3186	479363.09, 3846877.25	1.58E-04	2.49E-08	8.68E-09	1.70E-04	2.68E-08	9.35E-09	2.69E-04	4.23E-08	1.47E-08
3187	479863.09, 3846877.25	1.24E-04	1.95E-08	6.81E-09	1.34E-04	2.11E-08	7.34E-09	2.10E-04	3.31E-08	1.15E-08
3188	480363.09, 3846877.25	1.06E-04	1.67E-08	5.83E-09	1.14E-04	1.80E-08	6.28E-09	1.80E-04	2.84E-08	9.90E-09
3189	480863.09, 3846877.25	9.96E-05	1.57E-08	5.47E-09	1.07E-04	1.69E-08	5.90E-09	1.70E-04	2.67E-08	9.31E-09
3190	481363.09, 3846877.25	1.01E-04	1.59E-08	5.54E-09	1.09E-04	1.71E-08	5.97E-09	1.71E-04	2.70E-08	9.39E-09
3191	481863.09, 3846877.25	9.72E-05	1.53E-08	5.33E-09	1.05E-04	1.65E-08	5.75E-09	1.65E-04	2.60E-08	9.05E-09
3192	482363.09, 3846877.25	8.53E-05	1.34E-08	4.68E-09	9.20E-05	1.45E-08	5.05E-09	1.45E-04	2.28E-08	7.96E-09
3193	482863.09, 3846877.25	8.24E-05	1.30E-08	4.52E-09	8.88E-05	1.40E-08	4.87E-09	1.40E-04	2.20E-08	7.67E-09
3194	483363.09, 3846877.25	7.95E-05	1.25E-08	4.36E-09	8.57E-05	1.35E-08	4.71E-09	1.35E-04	2.13E-08	7.41E-09
3195	483863.09, 3846877.25	7.68E-05	1.21E-08	4.22E-09	8.29E-05	1.31E-08	4.55E-09	1.31E-04	2.06E-08	7.17E-09
3196	484363.09, 3846877.25	7.43E-05	1.17E-08	4.08E-09	8.01E-05	1.26E-08	4.40E-09	1.26E-04	1.99E-08	6.93E-09

3197	484863.09, 3846877.25	7.15E-05	1.13E-08	3.92E-09	7.71E-05	1.21E-08	4.23E-09	1.21E-04	1.91E-08	6.66E-09
3198	485363.09, 3846877.25	7.06E-05	1.11E-08	3.88E-09	7.62E-05	1.20E-08	4.18E-09	1.20E-04	1.89E-08	6.59E-09
3199	485863.09, 3846877.25	6.68E-05	1.05E-08	3.67E-09	7.20E-05	1.13E-08	3.95E-09	1.14E-04	1.79E-08	6.25E-09
3200	486363.09, 3846877.25	6.72E-05	1.06E-08	3.69E-09	7.25E-05	1.14E-08	3.98E-09	1.14E-04	1.80E-08	6.28E-09
3201	486863.09, 3846877.25	6.00E-05	9.46E-09	3.29E-09	6.48E-05	1.02E-08	3.55E-09	1.02E-04	1.61E-08	5.62E-09
3202	487363.09, 3846877.25	5.99E-05	9.43E-09	3.29E-09	6.46E-05	1.02E-08	3.54E-09	1.02E-04	1.61E-08	5.61E-09
3203	487863.09, 3846877.25	5.91E-05	9.32E-09	3.25E-09	6.38E-05	1.01E-08	3.50E-09	1.01E-04	1.59E-08	5.55E-09
3204	488363.09, 3846877.25	5.84E-05	9.20E-09	3.21E-09	6.31E-05	9.93E-09	3.46E-09	1.00E-04	1.58E-08	5.50E-09
3205	488863.09, 3846877.25	5.94E-05	9.35E-09	3.26E-09	6.41E-05	1.01E-08	3.52E-09	1.02E-04	1.61E-08	5.60E-09
3206	489363.09, 3846877.25	6.03E-05	9.50E-09	3.31E-09	6.52E-05	1.03E-08	3.58E-09	1.04E-04	1.64E-08	5.70E-09
3207	489863.09, 3846877.25	5.99E-05	9.44E-09	3.29E-09	6.47E-05	1.02E-08	3.55E-09	1.03E-04	1.63E-08	5.66E-09
3208	490363.09, 3846877.25	5.65E-05	8.90E-09	3.10E-09	6.11E-05	9.62E-09	3.35E-09	9.77E-05	1.54E-08	5.36E-09
3209	490863.09, 3846877.25	5.72E-05	9.01E-09	3.14E-09	6.18E-05	9.74E-09	3.39E-09	9.90E-05	1.56E-08	5.43E-09
3210	491363.09, 3846877.25	5.87E-05	9.25E-09	3.22E-09	6.35E-05	1.00E-08	3.48E-09	1.02E-04	1.60E-08	5.58E-09
3211	491863.09, 3846877.25	5.90E-05	9.29E-09	3.24E-09	6.38E-05	1.00E-08	3.50E-09	1.02E-04	1.61E-08	5.61E-09
3212	492363.09, 3846877.25	6.59E-05	1.04E-08	3.62E-09	7.12E-05	1.12E-08	3.91E-09	1.14E-04	1.80E-08	6.26E-09
3213	492863.09, 3846877.25	6.93E-05	1.09E-08	3.80E-09	7.49E-05	1.18E-08	4.11E-09	1.20E-04	1.89E-08	6.58E-09
3214	493363.09, 3846877.25	7.46E-05	1.18E-08	4.10E-09	8.06E-05	1.27E-08	4.43E-09	1.29E-04	2.03E-08	7.08E-09
3215	493863.09, 3846877.25	7.95E-05	1.25E-08	4.37E-09	8.60E-05	1.35E-08	4.72E-09	1.38E-04	2.17E-08	7.55E-09
3216	494363.09, 3846877.25	8.45E-05	1.33E-08	4.64E-09	9.13E-05	1.44E-08	5.01E-09	1.46E-04	2.30E-08	8.02E-09
3217	494863.09, 3846877.25	9.02E-05	1.42E-08	4.95E-09	9.75E-05	1.54E-08	5.35E-09	1.56E-04	2.46E-08	8.57E-09
3218	495363.09, 3846877.25	9.63E-05	1.52E-08	5.28E-09	1.04E-04	1.64E-08	5.71E-09	1.67E-04	2.63E-08	9.15E-09
3219	495863.09, 3846877.25	1.02E-04	1.61E-08	5.62E-09	1.11E-04	1.74E-08	6.08E-09	1.77E-04	2.79E-08	9.73E-09
3220	496363.09, 3846877.25	1.09E-04	1.72E-08	5.99E-09	1.18E-04	1.86E-08	6.48E-09	1.89E-04	2.98E-08	1.04E-08
3221	496863.09, 3846877.25	1.18E-04	1.85E-08	6.45E-09	1.27E-04	2.00E-08	6.97E-09	2.03E-04	3.20E-08	1.12E-08
3222	497363.09, 3846877.25	1.28E-04	2.01E-08	7.01E-09	1.38E-04	2.17E-08	7.57E-09	2.21E-04	3.47E-08	1.21E-08
3223	497863.09, 3846877.25	1.37E-04	2.16E-08	7.51E-09	1.48E-04	2.33E-08	8.11E-09	2.36E-04	3.72E-08	1.30E-08
3224	498363.09, 3846877.25	1.42E-04	2.23E-08	7.79E-09	1.53E-04	2.41E-08	8.41E-09	2.45E-04	3.86E-08	1.34E-08
3225	471363.09, 3847377.25	2.46E-04	3.88E-08	1.35E-08	2.66E-04	4.19E-08	1.46E-08	4.21E-04	6.63E-08	2.31E-08
3226	471863.09, 3847377.25	2.49E-04	3.92E-08	1.36E-08	2.68E-04	4.22E-08	1.47E-08	4.24E-04	6.67E-08	2.33E-08
3227	472363.09, 3847377.25	2.50E-04	3.94E-08	1.37E-08	2.70E-04	4.25E-08	1.48E-08	4.25E-04	6.69E-08	2.33E-08
3228	472863.09, 3847377.25	2.39E-04	3.77E-08	1.31E-08	2.58E-04	4.06E-08	1.42E-08	4.07E-04	6.41E-08	2.23E-08
3229	473363.09, 3847377.25	1.89E-04	2.98E-08	1.04E-08	2.04E-04	3.22E-08	1.12E-08	3.23E-04	5.09E-08	1.77E-08
3230	473863.09, 3847377.25	1.82E-04	2.86E-08	9.98E-09	1.96E-04	3.09E-08	1.08E-08	3.10E-04	4.88E-08	1.70E-08
3231	474363.09, 3847377.25	1.81E-04	2.85E-08	9.92E-09	1.95E-04	3.07E-08	1.07E-08	3.08E-04	4.85E-08	1.69E-08
3232	474863.09, 3847377.25	1.73E-04	2.72E-08	9.48E-09	1.86E-04	2.94E-08	1.02E-08	2.94E-04	4.63E-08	1.61E-08
3233	475363.09, 3847377.25	1.80E-04	2.84E-08	9.88E-09	1.94E-04	3.06E-08	1.07E-08	3.07E-04	4.83E-08	1.68E-08
3234	475863.09, 3847377.25	2.42E-04	3.81E-08	1.33E-08	2.61E-04	4.11E-08	1.43E-08	4.13E-04	6.50E-08	2.26E-08
3235	476363.09, 3847377.25	3.23E-04	5.09E-08	1.77E-08	3.49E-04	5.50E-08	1.92E-08	5.53E-04	8.70E-08	3.03E-08
3236	476863.09, 3847377.25	3.10E-04	4.88E-08	1.70E-08	3.34E-04	5.27E-08	1.84E-08	5.30E-04	8.35E-08	2.91E-08
3237	477363.09, 3847377.25	2.81E-04	4.43E-08	1.54E-08	3.04E-04	4.78E-08	1.67E-08	4.80E-04	7.57E-08	2.64E-08
3238	477863.09, 3847377.25	2.38E-04	3.76E-08	1.31E-08	2.57E-04	4.05E-08	1.41E-08	4.07E-04	6.40E-08	2.23E-08
3239	478363.09, 3847377.25	2.11E-04	3.33E-08	1.16E-08	2.28E-04	3.59E-08	1.25E-08	3.59E-04	5.65E-08	1.97E-08
3240	478863.09, 3847377.25	1.99E-04	3.13E-08	1.09E-08	2.14E-04	3.37E-08	1.18E-08	3.37E-04	5.31E-08	1.85E-08
3241	479363.09, 3847377.25	1.62E-04	2.55E-08	8.90E-09	1.75E-04	2.75E-08	9.60E-09	2.75E-04	4.34E-08	1.51E-08
3242	479863.09, 3847377.25	1.20E-04	1.90E-08	6.61E-09	1.30E-04	2.05E-08	7.13E-09	2.05E-04	3.23E-08	1.12E-08
3243	480363.09, 3847377.25	9.16E-05	1.44E-08	5.03E-09	9.88E-05	1.56E-08	5.42E-09	1.56E-04	2.46E-08	8.57E-09
3244	480863.09, 3847377.25	8.39E-05	1.32E-08	4.61E-09	9.06E-05	1.43E-08	4.97E-09	1.43E-04	2.26E-08	7.87E-09
3245	481363.09, 3847377.25	9.05E-05	1.43E-08	4.97E-09	9.76E-05	1.54E-08	5.36E-09	1.54E-04	2.43E-08	8.46E-09
3246	481863.09, 3847377.25	1.06E-04	1.68E-08	5.84E-09	1.15E-04	1.81E-08	6.29E-09	1.80E-04	2.84E-08	9.90E-09
3247	482363.09, 3847377.25	1.02E-04	1.60E-08	5.57E-09	1.09E-04	1.72E-08	6.01E-09	1.72E-04	2.72E-08	9.46E-09
3248	482863.09, 3847377.25	9.51E-05	1.50E-08	5.22E-09	1.02E-04	1.61E-08	5.63E-09	1.61E-04	2.54E-08	8.84E-09
3249	483363.09, 3847377.25	8.97E-05	1.41E-08	4.92E-09	9.67E-05	1.52E-08	5.31E-09	1.52E-04	2.40E-08	8.36E-09
3250	483863.09, 3847377.25	8.63E-05	1.36E-08	4.74E-09	9.30E-05	1.47E-08	5.11E-09	1.47E-04	2.31E-08	8.05E-09
3251	484363.09, 3847377.25	8.69E-05	1.37E-08	4.77E-09	9.36E-05	1.48E-08	5.14E-09	1.47E-04	2.32E-08	8.09E-09
3252	484863.09, 3847377.25	8.24E-05	1.30E-08	4.52E-09	8.88E-05	1.40E-08	4.87E-09	1.40E-04	2.20E-08	7.67E-09
3253	485363.09, 3847377.25	8.01E-05	1.26E-08	4.39E-09	8.63E-05	1.36E-08	4.74E-09	1.36E-04	2.15E-08	7.47E-09
3254	485863.09, 3847377.25	7.88E-05	1.24E-08	4.33E-09	8.50E-05	1.34E-08	4.66E-09	1.34E-04	2.11E-08	7.36E-09
3255	486363.09, 3847377.25	7.73E-05	1.22E-08	4.24E-09	8.33E-05	1.31E-08	4.57E-09	1.31E-04	2.07E-08	7.21E-09
3256	486863.09, 3847377.25	7.05E-05	1.11E-08	3.87E-09	7.60E-05	1.20E-08	4.17E-09	1.20E-04	1.89E-08	6.59E-09
3257	487363.09, 3847377.25	6.99E-05	1.10E-08	3.84E-09	7.54E-05	1.19E-08	4.14E-09	1.19E-04	1.88E-08	6.54E-09
3258	487863.09, 3847377.25	6.65E-05	1.05E-08	3.65E-09	7.17E-05	1.13E-08	3.94E-09	1.14E-04	1.79E-08	6.24E-09
3259	488363.09, 3847377.25	6.60E-05	1.04E-08	3.62E-09	7.13E-05	1.12E-08	3.91E-09	1.13E-04	1.78E-08	6.21E-09
3260	488863.09, 3847377.25	6.70E-05	1.06E-08	3.68E-09	7.23E-05	1.14E-08	3.97E-09	1.15E-04	1.81E-08	6.31E-09

3261	489363.09, 3847377.25	6.83E-05	1.08E-08	3.75E-09	7.37E-05	1.16E-08	4.04E-09	1.17E-04	1.85E-08	6.43E-09
3262	489863.09, 3847377.25	6.74E-05	1.06E-08	3.70E-09	7.28E-05	1.15E-08	3.99E-09	1.16E-04	1.83E-08	6.37E-09
3263	490363.09, 3847377.25	6.66E-05	1.05E-08	3.66E-09	7.20E-05	1.13E-08	3.95E-09	1.15E-04	1.81E-08	6.31E-09
3264	490863.09, 3847377.25	6.82E-05	1.07E-08	3.74E-09	7.37E-05	1.16E-08	4.04E-09	1.18E-04	1.86E-08	6.46E-09
3265	491363.09, 3847377.25	6.93E-05	1.09E-08	3.80E-09	7.49E-05	1.18E-08	4.11E-09	1.20E-04	1.89E-08	6.58E-09
3266	491863.09, 3847377.25	7.48E-05	1.18E-08	4.10E-09	8.08E-05	1.27E-08	4.43E-09	1.29E-04	2.04E-08	7.09E-09
3267	492363.09, 3847377.25	7.67E-05	1.21E-08	4.21E-09	8.29E-05	1.31E-08	4.55E-09	1.33E-04	2.09E-08	7.28E-09
3268	492863.09, 3847377.25	8.23E-05	1.30E-08	4.52E-09	8.90E-05	1.40E-08	4.88E-09	1.42E-04	2.24E-08	7.82E-09
3269	493363.09, 3847377.25	8.73E-05	1.37E-08	4.79E-09	9.43E-05	1.49E-08	5.18E-09	1.51E-04	2.38E-08	8.29E-09
3270	493863.09, 3847377.25	9.05E-05	1.43E-08	4.97E-09	9.78E-05	1.54E-08	5.37E-09	1.57E-04	2.47E-08	8.60E-09
3271	494363.09, 3847377.25	9.42E-05	1.48E-08	5.17E-09	1.02E-04	1.60E-08	5.58E-09	1.63E-04	2.57E-08	8.95E-09
3272	494863.09, 3847377.25	9.99E-05	1.57E-08	5.48E-09	1.08E-04	1.70E-08	5.93E-09	1.73E-04	2.73E-08	9.49E-09
3273	495363.09, 3847377.25	1.05E-04	1.66E-08	5.78E-09	1.14E-04	1.79E-08	6.24E-09	1.82E-04	2.87E-08	1.00E-08
3274	495863.09, 3847377.25	1.12E-04	1.77E-08	6.16E-09	1.21E-04	1.91E-08	6.66E-09	1.94E-04	3.06E-08	1.07E-08
3275	496363.09, 3847377.25	1.19E-04	1.88E-08	6.53E-09	1.29E-04	2.03E-08	7.06E-09	2.06E-04	3.24E-08	1.13E-08
3276	496863.09, 3847377.25	1.30E-04	2.05E-08	7.13E-09	1.40E-04	2.21E-08	7.70E-09	2.25E-04	3.54E-08	1.23E-08
3277	497363.09, 3847377.25	1.43E-04	2.26E-08	7.86E-09	1.55E-04	2.44E-08	8.50E-09	2.48E-04	3.90E-08	1.36E-08
3278	497863.09, 3847377.25	1.59E-04	2.50E-08	8.71E-09	1.72E-04	2.70E-08	9.41E-09	2.74E-04	4.32E-08	1.50E-08
3279	498363.09, 3847377.25	1.67E-04	2.64E-08	9.18E-09	1.81E-04	2.85E-08	9.92E-09	2.89E-04	4.55E-08	1.59E-08
3280	471363.09, 3847877.25	2.68E-04	4.22E-08	1.47E-08	2.89E-04	4.55E-08	1.59E-08	4.58E-04	7.21E-08	2.51E-08
3281	471863.09, 3847877.25	2.73E-04	4.31E-08	1.50E-08	2.95E-04	4.64E-08	1.62E-08	4.67E-04	7.35E-08	2.56E-08
3282	472363.09, 3847877.25	2.75E-04	4.34E-08	1.51E-08	2.97E-04	4.68E-08	1.63E-08	4.70E-04	7.40E-08	2.58E-08
3283	472863.09, 3847877.25	2.76E-04	4.35E-08	1.51E-08	2.98E-04	4.69E-08	1.63E-08	4.70E-04	7.40E-08	2.58E-08
3284	473363.09, 3847877.25	2.77E-04	4.37E-08	1.52E-08	2.99E-04	4.71E-08	1.64E-08	4.71E-04	7.42E-08	2.59E-08
3285	473863.09, 3847877.25	2.60E-04	4.10E-08	1.43E-08	2.80E-04	4.42E-08	1.54E-08	4.42E-04	6.97E-08	2.43E-08
3286	474363.09, 3847877.25	2.13E-04	3.35E-08	1.17E-08	2.30E-04	3.62E-08	1.26E-08	3.63E-04	5.71E-08	1.99E-08
3287	474863.09, 3847877.25	2.12E-04	3.33E-08	1.16E-08	2.28E-04	3.59E-08	1.25E-08	3.60E-04	5.67E-08	1.98E-08
3288	475363.09, 3847877.25	1.93E-04	3.05E-08	1.06E-08	2.09E-04	3.29E-08	1.14E-08	3.29E-04	5.18E-08	1.81E-08
3289	475863.09, 3847877.25	1.98E-04	3.12E-08	1.09E-08	2.14E-04	3.37E-08	1.17E-08	3.38E-04	5.32E-08	1.85E-08
3290	476363.09, 3847877.25	2.99E-04	4.71E-08	1.64E-08	3.22E-04	5.08E-08	1.77E-08	5.09E-04	8.02E-08	2.80E-08
3291	476863.09, 3847877.25	3.64E-04	5.74E-08	2.00E-08	3.93E-04	6.19E-08	2.16E-08	6.22E-04	9.80E-08	3.41E-08
3292	477363.09, 3847877.25	3.61E-04	5.68E-08	1.98E-08	3.89E-04	6.13E-08	2.14E-08	6.16E-04	9.71E-08	3.38E-08
3293	477863.09, 3847877.25	3.15E-04	4.96E-08	1.73E-08	3.40E-04	5.35E-08	1.87E-08	5.37E-04	8.46E-08	2.95E-08
3294	478363.09, 3847877.25	2.69E-04	4.24E-08	1.48E-08	2.90E-04	4.57E-08	1.59E-08	4.59E-04	7.23E-08	2.52E-08
3295	478863.09, 3847877.25	2.33E-04	3.67E-08	1.28E-08	2.51E-04	3.96E-08	1.38E-08	3.96E-04	6.24E-08	2.17E-08
3296	479363.09, 3847877.25	1.63E-04	2.58E-08	8.97E-09	1.76E-04	2.78E-08	9.68E-09	2.78E-04	4.38E-08	1.53E-08
3297	479863.09, 3847877.25	1.05E-04	1.66E-08	5.78E-09	1.14E-04	1.79E-08	6.23E-09	1.80E-04	2.83E-08	9.86E-09
3298	480363.09, 3847877.25	1.07E-04	1.69E-08	5.88E-09	1.16E-04	1.82E-08	6.34E-09	1.82E-04	2.87E-08	1.00E-08
3299	480863.09, 3847877.25	9.71E-05	1.53E-08	5.33E-09	1.05E-04	1.65E-08	5.75E-09	1.66E-04	2.61E-08	9.08E-09
3300	481363.09, 3847877.25	9.84E-05	1.55E-08	5.40E-09	1.06E-04	1.67E-08	5.82E-09	1.68E-04	2.64E-08	9.20E-09
3301	481863.09, 3847877.25	1.23E-04	1.94E-08	6.75E-09	1.33E-04	2.09E-08	7.28E-09	2.09E-04	3.29E-08	1.14E-08
3302	482363.09, 3847877.25	1.16E-04	1.83E-08	6.39E-09	1.26E-04	1.98E-08	6.89E-09	1.98E-04	3.12E-08	1.09E-08
3303	482863.09, 3847877.25	1.07E-04	1.68E-08	5.86E-09	1.15E-04	1.81E-08	6.32E-09	1.81E-04	2.85E-08	9.93E-09
3304	483363.09, 3847877.25	1.01E-04	1.60E-08	5.57E-09	1.09E-04	1.72E-08	6.00E-09	1.72E-04	2.71E-08	9.44E-09
3305	483863.09, 3847877.25	9.90E-05	1.56E-08	5.43E-09	1.07E-04	1.68E-08	5.86E-09	1.68E-04	2.65E-08	9.22E-09
3306	484363.09, 3847877.25	9.85E-05	1.55E-08	5.40E-09	1.06E-04	1.67E-08	5.82E-09	1.67E-04	2.63E-08	9.16E-09
3307	484863.09, 3847877.25	9.52E-05	1.50E-08	5.22E-09	1.03E-04	1.62E-08	5.63E-09	1.62E-04	2.54E-08	8.86E-09
3308	485363.09, 3847877.25	9.38E-05	1.48E-08	5.15E-09	1.01E-04	1.59E-08	5.55E-09	1.59E-04	2.51E-08	8.74E-09
3309	485863.09, 3847877.25	9.24E-05	1.46E-08	5.07E-09	9.96E-05	1.57E-08	5.47E-09	1.57E-04	2.47E-08	8.60E-09
3310	486363.09, 3847877.25	8.63E-05	1.36E-08	4.74E-09	9.30E-05	1.47E-08	5.11E-09	1.47E-04	2.31E-08	8.05E-09
3311	486863.09, 3847877.25	8.15E-05	1.28E-08	4.47E-09	8.79E-05	1.38E-08	4.82E-09	1.39E-04	2.18E-08	7.60E-09
3312	487363.09, 3847877.25	7.91E-05	1.25E-08	4.34E-09	8.53E-05	1.34E-08	4.68E-09	1.35E-04	2.12E-08	7.39E-09
3313	487863.09, 3847877.25	7.60E-05	1.20E-08	4.17E-09	8.21E-05	1.29E-08	4.50E-09	1.30E-04	2.05E-08	7.14E-09
3314	488363.09, 3847877.25	7.60E-05	1.20E-08	4.17E-09	8.20E-05	1.29E-08	4.50E-09	1.30E-04	2.05E-08	7.16E-09
3315	488863.09, 3847877.25	7.73E-05	1.22E-08	4.24E-09	8.34E-05	1.31E-08	4.58E-09	1.33E-04	2.09E-08	7.27E-09
3316	489363.09, 3847877.25	7.92E-05	1.25E-08	4.35E-09	8.56E-05	1.35E-08	4.70E-09	1.36E-04	2.14E-08	7.47E-09
3317	489863.09, 3847877.25	8.33E-05	1.31E-08	4.57E-09	9.00E-05	1.42E-08	4.94E-09	1.43E-04	2.25E-08	7.86E-09
3318	490363.09, 3847877.25	8.50E-05	1.34E-08	4.66E-09	9.18E-05	1.45E-08	5.04E-09	1.46E-04	2.30E-08	8.03E-09
3319	490863.09, 3847877.25	8.54E-05	1.35E-08	4.69E-09	9.22E-05	1.45E-08	5.06E-09	1.47E-04	2.32E-08	8.07E-09
3320	491363.09, 3847877.25	8.45E-05	1.33E-08	4.64E-09	9.13E-05	1.44E-08	5.01E-09	1.46E-04	2.30E-08	8.00E-09
3321	491863.09, 3847877.25	8.77E-05	1.38E-08	4.81E-09	9.48E-05	1.49E-08	5.20E-09	1.51E-04	2.39E-08	8.31E-09
3322	492363.09, 3847877.25	9.25E-05	1.46E-08	5.08E-09	9.99E-05	1.57E-08	5.48E-09	1.60E-04	2.52E-08	8.77E-09
3323	492863.09, 3847877.25	9.68E-05	1.53E-08	5.31E-09	1.05E-04	1.65E-08	5.74E-09	1.67E-04	2.64E-08	9.19E-09
3324	493363.09, 3847877.25	9.78E-05	1.54E-08	5.37E-09	1.06E-04	1.67E-08	5.80E-09	1.69E-04	2.67E-08	9.30E-09

3325	493863.09, 3847877.25	1.01E-04	1.58E-08	5.52E-09	1.09E-04	1.71E-08	5.97E-09	1.74E-04	2.75E-08	9.57E-09
3326	494363.09, 3847877.25	1.06E-04	1.66E-08	5.79E-09	1.14E-04	1.80E-08	6.26E-09	1.83E-04	2.88E-08	1.00E-08
3327	494863.09, 3847877.25	1.12E-04	1.76E-08	6.13E-09	1.21E-04	1.90E-08	6.63E-09	1.94E-04	3.05E-08	1.06E-08
3328	495363.09, 3847877.25	1.16E-04	1.82E-08	6.35E-09	1.25E-04	1.97E-08	6.87E-09	2.01E-04	3.16E-08	1.10E-08
3329	495863.09, 3847877.25	1.12E-04	1.76E-08	6.14E-09	1.21E-04	1.90E-08	6.63E-09	1.94E-04	3.06E-08	1.06E-08
3330	496363.09, 3847877.25	1.31E-04	2.07E-08	7.20E-09	1.42E-04	2.23E-08	7.78E-09	2.27E-04	3.58E-08	1.25E-08
3331	496863.09, 3847877.25	1.42E-04	2.24E-08	7.80E-09	1.54E-04	2.42E-08	8.43E-09	2.46E-04	3.87E-08	1.35E-08
3332	497363.09, 3847877.25	1.57E-04	2.48E-08	8.64E-09	1.70E-04	2.68E-08	9.34E-09	2.72E-04	4.29E-08	1.49E-08
3333	497863.09, 3847877.25	1.83E-04	2.89E-08	1.01E-08	1.98E-04	3.12E-08	1.09E-08	3.17E-04	4.99E-08	1.74E-08
3334	498363.09, 3847877.25	1.98E-04	3.12E-08	1.09E-08	2.14E-04	3.37E-08	1.18E-08	3.43E-04	5.40E-08	1.88E-08
3335	471363.09, 3848377.25	2.87E-04	4.51E-08	1.57E-08	3.09E-04	4.87E-08	1.70E-08	4.90E-04	7.72E-08	2.69E-08
3336	471863.09, 3848377.25	2.94E-04	4.63E-08	1.61E-08	3.17E-04	5.00E-08	1.74E-08	5.03E-04	7.93E-08	2.76E-08
3337	472363.09, 3848377.25	2.99E-04	4.71E-08	1.64E-08	3.22E-04	5.08E-08	1.77E-08	5.11E-04	8.05E-08	2.80E-08
3338	472863.09, 3848377.25	3.04E-04	4.79E-08	1.67E-08	3.28E-04	5.17E-08	1.80E-08	5.19E-04	8.18E-08	2.85E-08
3339	473363.09, 3848377.25	3.05E-04	4.81E-08	1.68E-08	3.29E-04	5.19E-08	1.81E-08	5.20E-04	8.20E-08	2.86E-08
3340	473863.09, 3848377.25	3.07E-04	4.84E-08	1.68E-08	3.31E-04	5.21E-08	1.82E-08	5.22E-04	8.22E-08	2.86E-08
3341	474363.09, 3848377.25	2.96E-04	4.67E-08	1.63E-08	3.20E-04	5.03E-08	1.75E-08	5.04E-04	7.94E-08	2.76E-08
3342	474863.09, 3848377.25	2.54E-04	3.99E-08	1.39E-08	2.73E-04	4.31E-08	1.50E-08	4.32E-04	6.80E-08	2.37E-08
3343	475363.09, 3848377.25	2.59E-04	4.08E-08	1.42E-08	2.80E-04	4.40E-08	1.53E-08	4.41E-04	6.95E-08	2.42E-08
3344	475863.09, 3848377.25	2.27E-04	3.57E-08	1.24E-08	2.44E-04	3.85E-08	1.34E-08	3.85E-04	6.07E-08	2.12E-08
3345	476363.09, 3848377.25	2.22E-04	3.50E-08	1.22E-08	2.40E-04	3.78E-08	1.32E-08	3.79E-04	5.96E-08	2.08E-08
3346	476863.09, 3848377.25	3.54E-04	5.58E-08	1.94E-08	3.82E-04	6.02E-08	2.10E-08	6.03E-04	9.50E-08	3.31E-08
3347	477363.09, 3848377.25	4.05E-04	6.38E-08	2.22E-08	4.37E-04	6.89E-08	2.40E-08	6.92E-04	1.09E-07	3.80E-08
3348	477863.09, 3848377.25	4.06E-04	6.39E-08	2.23E-08	4.38E-04	6.90E-08	2.40E-08	6.93E-04	1.09E-07	3.81E-08
3349	478363.09, 3848377.25	3.44E-04	5.42E-08	1.89E-08	3.71E-04	5.85E-08	2.04E-08	5.87E-04	9.25E-08	3.22E-08
3350	478863.09, 3848377.25	2.79E-04	4.39E-08	1.53E-08	3.01E-04	4.74E-08	1.65E-08	4.75E-04	7.48E-08	2.61E-08
3351	479363.09, 3848377.25	1.92E-04	3.02E-08	1.05E-08	2.07E-04	3.26E-08	1.14E-08	3.26E-04	5.14E-08	1.79E-08
3352	479863.09, 3848377.25	8.59E-05	1.35E-08	4.72E-09	9.28E-05	1.46E-08	5.09E-09	1.48E-04	2.33E-08	8.11E-09
3353	480363.09, 3848377.25	1.10E-04	1.73E-08	6.04E-09	1.19E-04	1.87E-08	6.52E-09	1.88E-04	2.96E-08	1.03E-08
3354	480863.09, 3848377.25	1.40E-04	2.21E-08	7.71E-09	1.51E-04	2.39E-08	8.31E-09	2.39E-04	3.76E-08	1.31E-08
3355	481363.09, 3848377.25	1.40E-04	2.21E-08	7.70E-09	1.51E-04	2.38E-08	8.30E-09	2.38E-04	3.76E-08	1.31E-08
3356	481863.09, 3848377.25	1.44E-04	2.26E-08	7.88E-09	1.55E-04	2.44E-08	8.50E-09	2.44E-04	3.84E-08	1.34E-08
3357	482363.09, 3848377.25	1.43E-04	2.25E-08	7.83E-09	1.54E-04	2.42E-08	8.44E-09	2.42E-04	3.82E-08	1.33E-08
3358	482863.09, 3848377.25	1.25E-04	1.96E-08	6.84E-09	1.34E-04	2.12E-08	7.37E-09	2.11E-04	3.32E-08	1.16E-08
3359	483363.09, 3848377.25	1.20E-04	1.89E-08	6.58E-09	1.29E-04	2.04E-08	7.09E-09	2.03E-04	3.20E-08	1.11E-08
3360	483863.09, 3848377.25	1.11E-04	1.75E-08	6.08E-09	1.20E-04	1.88E-08	6.56E-09	1.88E-04	2.96E-08	1.03E-08
3361	484363.09, 3848377.25	1.07E-04	1.69E-08	5.88E-09	1.16E-04	1.82E-08	6.34E-09	1.82E-04	2.86E-08	9.97E-09
3362	484863.09, 3848377.25	1.13E-04	1.78E-08	6.18E-09	1.21E-04	1.91E-08	6.67E-09	1.91E-04	3.01E-08	1.05E-08
3363	485363.09, 3848377.25	1.08E-04	1.71E-08	5.95E-09	1.17E-04	1.84E-08	6.42E-09	1.84E-04	2.90E-08	1.01E-08
3364	485863.09, 3848377.25	1.06E-04	1.66E-08	5.80E-09	1.14E-04	1.79E-08	6.25E-09	1.79E-04	2.82E-08	9.83E-09
3365	486363.09, 3848377.25	1.00E-04	1.58E-08	5.49E-09	1.08E-04	1.70E-08	5.92E-09	1.70E-04	2.67E-08	9.31E-09
3366	486863.09, 3848377.25	9.36E-05	1.47E-08	5.14E-09	1.01E-04	1.59E-08	5.54E-09	1.59E-04	2.51E-08	8.73E-09
3367	487363.09, 3848377.25	8.78E-05	1.38E-08	4.82E-09	9.47E-05	1.49E-08	5.20E-09	1.50E-04	2.36E-08	8.21E-09
3368	487863.09, 3848377.25	8.79E-05	1.38E-08	4.82E-09	9.48E-05	1.49E-08	5.20E-09	1.50E-04	2.37E-08	8.25E-09
3369	488363.09, 3848377.25	8.84E-05	1.39E-08	4.85E-09	9.54E-05	1.50E-08	5.24E-09	1.51E-04	2.39E-08	8.31E-09
3370	488863.09, 3848377.25	9.04E-05	1.42E-08	4.96E-09	9.76E-05	1.54E-08	5.35E-09	1.55E-04	2.44E-08	8.51E-09
3371	489363.09, 3848377.25	9.34E-05	1.47E-08	5.12E-09	1.01E-04	1.59E-08	5.53E-09	1.60E-04	2.52E-08	8.78E-09
3372	489863.09, 3848377.25	1.00E-04	1.57E-08	5.49E-09	1.08E-04	1.70E-08	5.92E-09	1.71E-04	2.70E-08	9.41E-09
3373	490363.09, 3848377.25	1.01E-04	1.60E-08	5.56E-09	1.09E-04	1.72E-08	6.00E-09	1.74E-04	2.74E-08	9.55E-09
3374	490863.09, 3848377.25	1.00E-04	1.58E-08	5.51E-09	1.08E-04	1.71E-08	5.95E-09	1.73E-04	2.72E-08	9.49E-09
3375	491363.09, 3848377.25	1.03E-04	1.62E-08	5.63E-09	1.11E-04	1.74E-08	6.08E-09	1.77E-04	2.78E-08	9.70E-09
3376	491863.09, 3848377.25	1.06E-04	1.66E-08	5.80E-09	1.14E-04	1.80E-08	6.26E-09	1.82E-04	2.87E-08	1.00E-08
3377	492363.09, 3848377.25	1.06E-04	1.67E-08	5.82E-09	1.15E-04	1.80E-08	6.28E-09	1.83E-04	2.89E-08	1.01E-08
3378	492863.09, 3848377.25	1.06E-04	1.66E-08	5.80E-09	1.14E-04	1.80E-08	6.27E-09	1.83E-04	2.88E-08	1.00E-08
3379	493363.09, 3848377.25	1.09E-04	1.72E-08	6.01E-09	1.18E-04	1.86E-08	6.49E-09	1.90E-04	2.99E-08	1.04E-08
3380	493863.09, 3848377.25	1.14E-04	1.80E-08	6.25E-09	1.23E-04	1.94E-08	6.76E-09	1.98E-04	3.11E-08	1.08E-08
3381	494363.09, 3848377.25	1.18E-04	1.86E-08	6.46E-09	1.27E-04	2.01E-08	6.99E-09	2.04E-04	3.21E-08	1.12E-08
3382	494863.09, 3848377.25	1.25E-04	1.98E-08	6.89E-09	1.36E-04	2.14E-08	7.44E-09	2.18E-04	3.43E-08	1.19E-08
3383	495363.09, 3848377.25	1.25E-04	1.97E-08	6.88E-09	1.35E-04	2.13E-08	7.43E-09	2.17E-04	3.42E-08	1.19E-08
3384	495863.09, 3848377.25	1.31E-04	2.06E-08	7.17E-09	1.41E-04	2.23E-08	7.75E-09	2.27E-04	3.57E-08	1.24E-08
3385	496363.09, 3848377.25	1.44E-04	2.26E-08	7.89E-09	1.55E-04	2.45E-08	8.53E-09	2.49E-04	3.92E-08	1.37E-08
3386	496863.09, 3848377.25	1.48E-04	2.33E-08	8.11E-09	1.60E-04	2.52E-08	8.77E-09	2.56E-04	4.03E-08	1.41E-08
3387	497363.09, 3848377.25	1.68E-04	2.64E-08	9.21E-09	1.81E-04	2.86E-08	9.95E-09	2.91E-04	4.58E-08	1.59E-08
3388	497863.09, 3848377.25	2.20E-04	3.46E-08	1.21E-08	2.37E-04	3.74E-08	1.30E-08	3.80E-04	5.98E-08	2.08E-08

3389	498363.09, 3848377.25	2.32E-04	3.66E-08	1.27E-08	2.51E-04	3.95E-08	1.38E-08	4.01E-04	6.32E-08	2.20E-08
3390	471363.09, 3848877.25	2.88E-04	4.54E-08	1.58E-08	3.11E-04	4.90E-08	1.71E-08	4.92E-04	7.75E-08	2.70E-08
3391	471863.09, 3848877.25	3.09E-04	4.86E-08	1.69E-08	3.33E-04	5.25E-08	1.83E-08	5.27E-04	8.31E-08	2.89E-08
3392	472363.09, 3848877.25	3.22E-04	5.08E-08	1.77E-08	3.48E-04	5.48E-08	1.91E-08	5.51E-04	8.68E-08	3.03E-08
3393	472863.09, 3848877.25	3.31E-04	5.22E-08	1.82E-08	3.57E-04	5.63E-08	1.96E-08	5.66E-04	8.92E-08	3.11E-08
3394	473363.09, 3848877.25	3.40E-04	5.35E-08	1.86E-08	3.66E-04	5.77E-08	2.01E-08	5.80E-04	9.14E-08	3.18E-08
3395	473863.09, 3848877.25	3.42E-04	5.39E-08	1.88E-08	3.69E-04	5.81E-08	2.03E-08	5.84E-04	9.19E-08	3.20E-08
3396	474363.09, 3848877.25	3.46E-04	5.45E-08	1.90E-08	3.73E-04	5.88E-08	2.05E-08	5.89E-04	9.28E-08	3.23E-08
3397	474863.09, 3848877.25	3.27E-04	5.15E-08	1.79E-08	3.53E-04	5.56E-08	1.94E-08	5.56E-04	8.77E-08	3.05E-08
3398	475363.09, 3848877.25	3.11E-04	4.90E-08	1.71E-08	3.36E-04	5.29E-08	1.84E-08	5.29E-04	8.34E-08	2.91E-08
3399	475863.09, 3848877.25	3.07E-04	4.83E-08	1.68E-08	3.31E-04	5.21E-08	1.82E-08	5.21E-04	8.21E-08	2.86E-08
3400	476363.09, 3848877.25	2.77E-04	4.36E-08	1.52E-08	2.98E-04	4.70E-08	1.64E-08	4.70E-04	7.40E-08	2.58E-08
3401	476863.09, 3848877.25	2.78E-04	4.39E-08	1.53E-08	3.00E-04	4.73E-08	1.65E-08	4.73E-04	7.46E-08	2.60E-08
3402	477363.09, 3848877.25	4.21E-04	6.63E-08	2.31E-08	4.54E-04	7.15E-08	2.49E-08	7.16E-04	1.13E-07	3.93E-08
3403	477863.09, 3848877.25	4.76E-04	7.50E-08	2.61E-08	5.14E-04	8.09E-08	2.82E-08	8.13E-04	1.28E-07	4.46E-08
3404	478363.09, 3848877.25	4.70E-04	7.40E-08	2.58E-08	5.07E-04	7.98E-08	2.78E-08	8.03E-04	1.26E-07	4.41E-08
3405	478863.09, 3848877.25	3.77E-04	5.94E-08	2.07E-08	4.07E-04	6.41E-08	2.23E-08	6.43E-04	1.01E-07	3.53E-08
3406	479363.09, 3848877.25	2.84E-04	4.47E-08	1.56E-08	3.06E-04	4.82E-08	1.68E-08	4.83E-04	7.61E-08	2.65E-08
3407	479863.09, 3848877.25	2.11E-04	3.33E-08	1.16E-08	2.28E-04	3.59E-08	1.25E-08	3.60E-04	5.67E-08	1.97E-08
3408	480363.09, 3848877.25	2.15E-04	3.39E-08	1.18E-08	2.32E-04	3.65E-08	1.27E-08	3.65E-04	5.75E-08	2.00E-08
3409	480863.09, 3848877.25	2.12E-04	3.35E-08	1.17E-08	2.29E-04	3.61E-08	1.26E-08	3.60E-04	5.67E-08	1.98E-08
3410	481363.09, 3848877.25	1.96E-04	3.09E-08	1.08E-08	2.11E-04	3.33E-08	1.16E-08	3.33E-04	5.25E-08	1.83E-08
3411	481863.09, 3848877.25	1.69E-04	2.66E-08	9.25E-09	1.82E-04	2.86E-08	9.97E-09	2.86E-04	4.50E-08	1.57E-08
3412	482363.09, 3848877.25	1.44E-04	2.26E-08	7.88E-09	1.55E-04	2.44E-08	8.49E-09	2.44E-04	3.84E-08	1.34E-08
3413	482863.09, 3848877.25	1.24E-04	1.95E-08	6.80E-09	1.34E-04	2.11E-08	7.34E-09	2.10E-04	3.31E-08	1.15E-08
3414	483363.09, 3848877.25	1.12E-04	1.76E-08	6.12E-09	1.20E-04	1.89E-08	6.60E-09	1.90E-04	2.99E-08	1.04E-08
3415	483863.09, 3848877.25	1.09E-04	1.71E-08	5.96E-09	1.17E-04	1.84E-08	6.42E-09	1.85E-04	2.91E-08	1.01E-08
3416	484363.09, 3848877.25	1.21E-04	1.90E-08	6.62E-09	1.30E-04	2.05E-08	7.14E-09	2.04E-04	3.22E-08	1.12E-08
3417	484863.09, 3848877.25	1.33E-04	2.10E-08	7.31E-09	1.44E-04	2.26E-08	7.88E-09	2.26E-04	3.55E-08	1.24E-08
3418	485363.09, 3848877.25	1.27E-04	2.00E-08	6.98E-09	1.37E-04	2.16E-08	7.52E-09	2.15E-04	3.39E-08	1.18E-08
3419	485863.09, 3848877.25	1.22E-04	1.93E-08	6.71E-09	1.32E-04	2.08E-08	7.24E-09	2.07E-04	3.26E-08	1.14E-08
3420	486363.09, 3848877.25	1.13E-04	1.77E-08	6.18E-09	1.21E-04	1.91E-08	6.67E-09	1.91E-04	3.01E-08	1.05E-08
3421	486863.09, 3848877.25	1.04E-04	1.63E-08	5.69E-09	1.12E-04	1.76E-08	6.14E-09	1.76E-04	2.78E-08	9.68E-09
3422	487363.09, 3848877.25	1.04E-04	1.64E-08	5.73E-09	1.13E-04	1.77E-08	6.18E-09	1.78E-04	2.80E-08	9.77E-09
3423	487863.09, 3848877.25	1.04E-04	1.63E-08	5.69E-09	1.12E-04	1.76E-08	6.14E-09	1.77E-04	2.79E-08	9.73E-09
3424	488363.09, 3848877.25	1.06E-04	1.66E-08	5.80E-09	1.14E-04	1.80E-08	6.26E-09	1.81E-04	2.85E-08	9.92E-09
3425	488863.09, 3848877.25	1.07E-04	1.69E-08	5.89E-09	1.16E-04	1.82E-08	6.36E-09	1.84E-04	2.90E-08	1.01E-08
3426	489363.09, 3848877.25	1.12E-04	1.77E-08	6.16E-09	1.21E-04	1.91E-08	6.65E-09	1.92E-04	3.03E-08	1.06E-08
3427	489863.09, 3848877.25	1.18E-04	1.86E-08	6.47E-09	1.27E-04	2.01E-08	6.99E-09	2.02E-04	3.19E-08	1.11E-08
3428	490363.09, 3848877.25	1.18E-04	1.86E-08	6.47E-09	1.27E-04	2.01E-08	6.99E-09	2.03E-04	3.19E-08	1.11E-08
3429	490863.09, 3848877.25	1.18E-04	1.86E-08	6.48E-09	1.28E-04	2.01E-08	7.00E-09	2.04E-04	3.21E-08	1.12E-08
3430	491363.09, 3848877.25	1.22E-04	1.92E-08	6.71E-09	1.32E-04	2.08E-08	7.24E-09	2.11E-04	3.32E-08	1.16E-08
3431	491863.09, 3848877.25	1.22E-04	1.92E-08	6.70E-09	1.32E-04	2.08E-08	7.24E-09	2.11E-04	3.32E-08	1.16E-08
3432	492363.09, 3848877.25	1.22E-04	1.92E-08	6.68E-09	1.32E-04	2.07E-08	7.22E-09	2.11E-04	3.32E-08	1.16E-08
3433	492863.09, 3848877.25	1.20E-04	1.88E-08	6.56E-09	1.29E-04	2.04E-08	7.09E-09	2.07E-04	3.27E-08	1.14E-08
3434	493363.09, 3848877.25	1.18E-04	1.86E-08	6.48E-09	1.28E-04	2.01E-08	7.01E-09	2.05E-04	3.23E-08	1.13E-08
3435	493863.09, 3848877.25	1.26E-04	1.99E-08	6.94E-09	1.37E-04	2.15E-08	7.50E-09	2.19E-04	3.46E-08	1.20E-08
3436	494363.09, 3848877.25	1.33E-04	2.09E-08	7.29E-09	1.44E-04	2.26E-08	7.89E-09	2.31E-04	3.63E-08	1.27E-08
3437	494863.09, 3848877.25	1.44E-04	2.26E-08	7.89E-09	1.55E-04	2.45E-08	8.53E-09	2.49E-04	3.93E-08	1.37E-08
3438	495363.09, 3848877.25	1.53E-04	2.40E-08	8.38E-09	1.65E-04	2.60E-08	9.05E-09	2.64E-04	4.17E-08	1.45E-08
3439	495863.09, 3848877.25	1.50E-04	2.36E-08	8.21E-09	1.62E-04	2.55E-08	8.88E-09	2.59E-04	4.09E-08	1.42E-08
3440	496363.09, 3848877.25	1.58E-04	2.49E-08	8.69E-09	1.71E-04	2.70E-08	9.39E-09	2.74E-04	4.32E-08	1.51E-08
3441	496863.09, 3848877.25	1.79E-04	2.83E-08	9.84E-09	1.94E-04	3.05E-08	1.06E-08	3.10E-04	4.89E-08	1.70E-08
3442	497363.09, 3848877.25	2.24E-04	3.53E-08	1.23E-08	2.42E-04	3.82E-08	1.33E-08	3.88E-04	6.11E-08	2.13E-08
3443	497863.09, 3848877.25	2.51E-04	3.95E-08	1.38E-08	2.71E-04	4.27E-08	1.49E-08	4.33E-04	6.83E-08	2.38E-08
3444	498363.09, 3848877.25	2.74E-04	4.31E-08	1.50E-08	2.96E-04	4.66E-08	1.62E-08	4.73E-04	7.45E-08	2.59E-08
3445	471363.09, 3849377.25	2.71E-04	4.27E-08	1.49E-08	2.93E-04	4.61E-08	1.61E-08	4.62E-04	7.29E-08	2.54E-08
3446	471863.09, 3849377.25	3.04E-04	4.80E-08	1.67E-08	3.28E-04	5.17E-08	1.80E-08	5.19E-04	8.18E-08	2.85E-08
3447	472363.09, 3849377.25	3.29E-04	5.18E-08	1.81E-08	3.55E-04	5.59E-08	1.95E-08	5.61E-04	8.84E-08	3.08E-08
3448	472863.09, 3849377.25	3.50E-04	5.52E-08	1.92E-08	3.78E-04	5.95E-08	2.07E-08	5.98E-04	9.42E-08	3.28E-08
3449	473363.09, 3849377.25	3.66E-04	5.77E-08	2.01E-08	3.95E-04	6.22E-08	2.17E-08	6.26E-04	9.86E-08	3.43E-08
3450	473863.09, 3849377.25	3.78E-04	5.95E-08	2.07E-08	4.07E-04	6.42E-08	2.24E-08	6.46E-04	1.02E-07	3.54E-08
3451	474363.09, 3849377.25	3.85E-04	6.06E-08	2.11E-08	4.15E-04	6.54E-08	2.28E-08	6.57E-04	1.03E-07	3.60E-08
3452	474863.09, 3849377.25	3.90E-04	6.15E-08	2.14E-08	4.21E-04	6.63E-08	2.31E-08	6.65E-04	1.05E-07	3.65E-08

3453	475363.09, 3849377.25	3.88E-04	6.12E-08	2.13E-08	4.19E-04	6.60E-08	2.30E-08	6.60E-04	1.04E-07	3.62E-08
3454	475863.09, 3849377.25	3.89E-04	6.13E-08	2.14E-08	4.20E-04	6.61E-08	2.30E-08	6.60E-04	1.04E-07	3.62E-08
3455	476363.09, 3849377.25	3.79E-04	5.97E-08	2.08E-08	4.08E-04	6.43E-08	2.24E-08	6.42E-04	1.01E-07	3.52E-08
3456	476863.09, 3849377.25	3.52E-04	5.55E-08	1.93E-08	3.80E-04	5.98E-08	2.08E-08	5.97E-04	9.41E-08	3.28E-08
3457	477363.09, 3849377.25	3.62E-04	5.71E-08	1.99E-08	3.91E-04	6.15E-08	2.14E-08	6.15E-04	9.68E-08	3.37E-08
3458	477863.09, 3849377.25	4.57E-04	7.20E-08	2.51E-08	4.93E-04	7.77E-08	2.71E-08	7.79E-04	1.23E-07	4.27E-08
3459	478363.09, 3849377.25	5.54E-04	8.73E-08	3.04E-08	5.98E-04	9.42E-08	3.28E-08	9.47E-04	1.49E-07	5.20E-08
3460	478863.09, 3849377.25	5.00E-04	7.88E-08	2.75E-08	5.40E-04	8.51E-08	2.96E-08	8.55E-04	1.35E-07	4.69E-08
3461	479363.09, 3849377.25	4.17E-04	6.57E-08	2.29E-08	4.50E-04	7.09E-08	2.47E-08	7.11E-04	1.12E-07	3.90E-08
3462	479863.09, 3849377.25	3.02E-04	4.75E-08	1.65E-08	3.25E-04	5.12E-08	1.78E-08	5.13E-04	8.08E-08	2.81E-08
3463	480363.09, 3849377.25	3.23E-04	5.09E-08	1.77E-08	3.49E-04	5.49E-08	1.91E-08	5.48E-04	8.64E-08	3.01E-08
3464	480863.09, 3849377.25	2.88E-04	4.54E-08	1.58E-08	3.10E-04	4.89E-08	1.70E-08	4.87E-04	7.67E-08	2.67E-08
3465	481363.09, 3849377.25	2.30E-04	3.62E-08	1.26E-08	2.48E-04	3.90E-08	1.36E-08	3.90E-04	6.15E-08	2.14E-08
3466	481863.09, 3849377.25	1.66E-04	2.62E-08	9.12E-09	1.79E-04	2.82E-08	9.83E-09	2.82E-04	4.45E-08	1.55E-08
3467	482363.09, 3849377.25	1.50E-04	2.36E-08	8.21E-09	1.61E-04	2.54E-08	8.85E-09	2.54E-04	4.01E-08	1.40E-08
3468	482863.09, 3849377.25	1.27E-04	2.00E-08	6.98E-09	1.37E-04	2.16E-08	7.53E-09	2.16E-04	3.41E-08	1.19E-08
3469	483363.09, 3849377.25	1.18E-04	1.86E-08	6.47E-09	1.27E-04	2.00E-08	6.97E-09	2.01E-04	3.16E-08	1.10E-08
3470	483863.09, 3849377.25	1.03E-04	1.63E-08	5.67E-09	1.11E-04	1.76E-08	6.11E-09	1.76E-04	2.77E-08	9.66E-09
3471	484363.09, 3849377.25	1.33E-04	2.10E-08	7.30E-09	1.43E-04	2.26E-08	7.87E-09	2.25E-04	3.55E-08	1.24E-08
3472	484863.09, 3849377.25	1.56E-04	2.45E-08	8.55E-09	1.68E-04	2.64E-08	9.21E-09	2.64E-04	4.15E-08	1.45E-08
3473	485363.09, 3849377.25	1.51E-04	2.37E-08	8.26E-09	1.62E-04	2.56E-08	8.91E-09	2.55E-04	4.01E-08	1.40E-08
3474	485863.09, 3849377.25	1.20E-04	1.89E-08	6.60E-09	1.30E-04	2.04E-08	7.11E-09	2.04E-04	3.21E-08	1.12E-08
3475	486363.09, 3849377.25	1.05E-04	1.65E-08	5.74E-09	1.13E-04	1.78E-08	6.19E-09	1.78E-04	2.81E-08	9.78E-09
3476	486863.09, 3849377.25	1.20E-04	1.89E-08	6.57E-09	1.29E-04	2.03E-08	7.08E-09	2.04E-04	3.21E-08	1.12E-08
3477	487363.09, 3849377.25	1.25E-04	1.97E-08	6.87E-09	1.35E-04	2.13E-08	7.42E-09	2.14E-04	3.37E-08	1.17E-08
3478	487863.09, 3849377.25	1.25E-04	1.97E-08	6.86E-09	1.35E-04	2.12E-08	7.40E-09	2.14E-04	3.36E-08	1.17E-08
3479	488363.09, 3849377.25	1.27E-04	2.00E-08	6.97E-09	1.37E-04	2.16E-08	7.53E-09	2.17E-04	3.42E-08	1.19E-08
3480	488863.09, 3849377.25	1.32E-04	2.08E-08	7.24E-09	1.42E-04	2.24E-08	7.82E-09	2.26E-04	3.56E-08	1.24E-08
3481	489363.09, 3849377.25	1.37E-04	2.16E-08	7.52E-09	1.48E-04	2.33E-08	8.12E-09	2.35E-04	3.70E-08	1.29E-08
3482	489863.09, 3849377.25	1.41E-04	2.22E-08	7.74E-09	1.52E-04	2.40E-08	8.36E-09	2.42E-04	3.81E-08	1.33E-08
3483	490363.09, 3849377.25	1.41E-04	2.22E-08	7.75E-09	1.53E-04	2.40E-08	8.37E-09	2.43E-04	3.83E-08	1.33E-08
3484	490863.09, 3849377.25	1.44E-04	2.26E-08	7.88E-09	1.55E-04	2.44E-08	8.51E-09	2.48E-04	3.90E-08	1.36E-08
3485	491363.09, 3849377.25	1.49E-04	2.34E-08	8.16E-09	1.61E-04	2.53E-08	8.82E-09	2.57E-04	4.05E-08	1.41E-08
3486	491863.09, 3849377.25	1.49E-04	2.34E-08	8.16E-09	1.61E-04	2.53E-08	8.82E-09	2.57E-04	4.05E-08	1.41E-08
3487	492363.09, 3849377.25	1.49E-04	2.35E-08	8.18E-09	1.61E-04	2.54E-08	8.84E-09	2.58E-04	4.07E-08	1.42E-08
3488	492863.09, 3849377.25	1.42E-04	2.24E-08	7.82E-09	1.54E-04	2.43E-08	8.45E-09	2.47E-04	3.89E-08	1.36E-08
3489	493363.09, 3849377.25	1.45E-04	2.29E-08	7.98E-09	1.57E-04	2.48E-08	8.63E-09	2.52E-04	3.97E-08	1.38E-08
3490	493863.09, 3849377.25	1.51E-04	2.39E-08	8.31E-09	1.64E-04	2.58E-08	8.99E-09	2.63E-04	4.14E-08	1.44E-08
3491	494363.09, 3849377.25	1.63E-04	2.57E-08	8.95E-09	1.76E-04	2.78E-08	9.67E-09	2.83E-04	4.45E-08	1.55E-08
3492	494863.09, 3849377.25	1.89E-04	2.97E-08	1.04E-08	2.04E-04	3.21E-08	1.12E-08	3.27E-04	5.15E-08	1.79E-08
3493	495363.09, 3849377.25	2.04E-04	3.21E-08	1.12E-08	2.20E-04	3.47E-08	1.21E-08	3.53E-04	5.56E-08	1.94E-08
3494	495863.09, 3849377.25	1.77E-04	2.79E-08	9.71E-09	1.91E-04	3.01E-08	1.05E-08	3.07E-04	4.83E-08	1.68E-08
3495	496363.09, 3849377.25	1.79E-04	2.82E-08	9.84E-09	1.94E-04	3.05E-08	1.06E-08	3.11E-04	4.90E-08	1.71E-08
3496	496863.09, 3849377.25	2.34E-04	3.68E-08	1.28E-08	2.52E-04	3.97E-08	1.38E-08	4.04E-04	6.36E-08	2.22E-08
3497	497363.09, 3849377.25	2.59E-04	4.08E-08	1.42E-08	2.80E-04	4.41E-08	1.54E-08	4.48E-04	7.06E-08	2.46E-08
3498	497863.09, 3849377.25	3.29E-04	5.19E-08	1.81E-08	3.56E-04	5.60E-08	1.95E-08	5.68E-04	8.95E-08	3.12E-08
3499	498363.09, 3849377.25	3.27E-04	5.15E-08	1.80E-08	3.53E-04	5.57E-08	1.94E-08	5.65E-04	8.89E-08	3.10E-08
3500	471363.09, 3849877.25	2.30E-04	3.62E-08	1.26E-08	2.48E-04	3.91E-08	1.36E-08	3.93E-04	6.20E-08	2.16E-08
3501	471863.09, 3849877.25	2.74E-04	4.32E-08	1.50E-08	2.96E-04	4.66E-08	1.62E-08	4.68E-04	7.37E-08	2.57E-08
3502	472363.09, 3849877.25	3.17E-04	4.99E-08	1.74E-08	3.41E-04	5.38E-08	1.87E-08	5.39E-04	8.50E-08	2.96E-08
3503	472863.09, 3849877.25	3.50E-04	5.51E-08	1.92E-08	3.77E-04	5.94E-08	2.07E-08	5.96E-04	9.39E-08	3.27E-08
3504	473363.09, 3849877.25	3.75E-04	5.90E-08	2.06E-08	4.04E-04	6.37E-08	2.22E-08	6.39E-04	1.01E-07	3.51E-08
3505	473863.09, 3849877.25	4.00E-04	6.31E-08	2.20E-08	4.32E-04	6.81E-08	2.37E-08	6.84E-04	1.08E-07	3.75E-08
3506	474363.09, 3849877.25	4.21E-04	6.63E-08	2.31E-08	4.54E-04	7.16E-08	2.49E-08	7.20E-04	1.13E-07	3.95E-08
3507	474863.09, 3849877.25	4.34E-04	6.84E-08	2.38E-08	4.68E-04	7.38E-08	2.57E-08	7.42E-04	1.17E-07	4.07E-08
3508	475363.09, 3849877.25	4.39E-04	6.91E-08	2.41E-08	4.73E-04	7.45E-08	2.60E-08	7.49E-04	1.18E-07	4.11E-08
3509	475863.09, 3849877.25	4.43E-04	6.99E-08	2.43E-08	4.78E-04	7.53E-08	2.63E-08	7.55E-04	1.19E-07	4.14E-08
3510	476363.09, 3849877.25	4.45E-04	7.01E-08	2.44E-08	4.80E-04	7.56E-08	2.63E-08	7.55E-04	1.19E-07	4.15E-08
3511	476863.09, 3849877.25	4.42E-04	6.97E-08	2.43E-08	4.77E-04	7.51E-08	2.62E-08	7.49E-04	1.18E-07	4.11E-08
3512	477363.09, 3849877.25	4.28E-04	6.74E-08	2.35E-08	4.61E-04	7.26E-08	2.53E-08	7.22E-04	1.14E-07	3.96E-08
3513	477863.09, 3849877.25	4.38E-04	6.90E-08	2.40E-08	4.72E-04	7.43E-08	2.59E-08	7.41E-04	1.17E-07	4.07E-08
3514	478363.09, 3849877.25	5.45E-04	8.59E-08	2.99E-08	5.88E-04	9.26E-08	3.23E-08	9.28E-04	1.46E-07	5.09E-08
3515	478863.09, 3849877.25	6.68E-04	1.05E-07	3.67E-08	7.21E-04	1.14E-07	3.96E-08	1.14E-03	1.80E-07	6.27E-08
3516	479363.09, 3849877.25	6.04E-04	9.51E-08	3.31E-08	6.51E-04	1.03E-07	3.57E-08	1.03E-03	1.62E-07	5.66E-08

3517	479863.09, 3849877.25	5.37E-04	8.45E-08	2.95E-08	5.79E-04	9.12E-08	3.18E-08	9.14E-04	1.44E-07	5.02E-08
3518	480363.09, 3849877.25	4.08E-04	6.43E-08	2.24E-08	4.40E-04	6.93E-08	2.41E-08	6.93E-04	1.09E-07	3.81E-08
3519	480863.09, 3849877.25	3.29E-04	5.18E-08	1.80E-08	3.54E-04	5.58E-08	1.95E-08	5.57E-04	8.78E-08	3.06E-08
3520	481363.09, 3849877.25	2.79E-04	4.39E-08	1.53E-08	3.01E-04	4.74E-08	1.65E-08	4.72E-04	7.44E-08	2.59E-08
3521	481863.09, 3849877.25	1.82E-04	2.86E-08	9.98E-09	1.96E-04	3.09E-08	1.08E-08	3.09E-04	4.87E-08	1.70E-08
3522	482363.09, 3849877.25	1.55E-04	2.44E-08	8.52E-09	1.67E-04	2.64E-08	9.19E-09	2.64E-04	4.16E-08	1.45E-08
3523	482863.09, 3849877.25	1.38E-04	2.17E-08	7.56E-09	1.49E-04	2.34E-08	8.15E-09	2.34E-04	3.69E-08	1.29E-08
3524	483363.09, 3849877.25	1.23E-04	1.94E-08	6.74E-09	1.33E-04	2.09E-08	7.27E-09	2.09E-04	3.30E-08	1.15E-08
3525	483863.09, 3849877.25	1.20E-04	1.89E-08	6.60E-09	1.30E-04	2.04E-08	7.12E-09	2.05E-04	3.22E-08	1.12E-08
3526	484363.09, 3849877.25	1.49E-04	2.34E-08	8.17E-09	1.60E-04	2.53E-08	8.80E-09	2.52E-04	3.98E-08	1.38E-08
3527	484863.09, 3849877.25	1.89E-04	2.98E-08	1.04E-08	2.04E-04	3.21E-08	1.12E-08	3.20E-04	5.05E-08	1.76E-08
3528	485363.09, 3849877.25	1.73E-04	2.72E-08	9.48E-09	1.86E-04	2.93E-08	1.02E-08	2.92E-04	4.60E-08	1.60E-08
3529	485863.09, 3849877.25	1.48E-04	2.33E-08	8.11E-09	1.59E-04	2.51E-08	8.74E-09	2.50E-04	3.94E-08	1.37E-08
3530	486363.09, 3849877.25	1.39E-04	2.20E-08	7.65E-09	1.50E-04	2.37E-08	8.25E-09	2.37E-04	3.74E-08	1.30E-08
3531	486863.09, 3849877.25	1.52E-04	2.39E-08	8.34E-09	1.64E-04	2.58E-08	8.99E-09	2.59E-04	4.08E-08	1.42E-08
3532	487363.09, 3849877.25	1.54E-04	2.42E-08	8.44E-09	1.66E-04	2.61E-08	9.10E-09	2.62E-04	4.13E-08	1.44E-08
3533	487863.09, 3849877.25	1.55E-04	2.44E-08	8.51E-09	1.67E-04	2.64E-08	9.19E-09	2.65E-04	4.18E-08	1.45E-08
3534	488363.09, 3849877.25	1.59E-04	2.51E-08	8.75E-09	1.72E-04	2.71E-08	9.44E-09	2.72E-04	4.29E-08	1.49E-08
3535	488863.09, 3849877.25	1.66E-04	2.62E-08	9.11E-09	1.79E-04	2.82E-08	9.84E-09	2.84E-04	4.48E-08	1.56E-08
3536	489363.09, 3849877.25	1.71E-04	2.70E-08	9.40E-09	1.85E-04	2.91E-08	1.01E-08	2.93E-04	4.62E-08	1.61E-08
3537	489863.09, 3849877.25	1.74E-04	2.75E-08	9.58E-09	1.88E-04	2.97E-08	1.03E-08	3.00E-04	4.73E-08	1.65E-08
3538	490363.09, 3849877.25	1.77E-04	2.78E-08	9.70E-09	1.91E-04	3.01E-08	1.05E-08	3.05E-04	4.80E-08	1.67E-08
3539	490863.09, 3849877.25	1.83E-04	2.88E-08	1.00E-08	1.98E-04	3.12E-08	1.09E-08	3.16E-04	4.98E-08	1.73E-08
3540	491363.09, 3849877.25	1.89E-04	2.98E-08	1.04E-08	2.04E-04	3.22E-08	1.12E-08	3.27E-04	5.14E-08	1.79E-08
3541	491863.09, 3849877.25	1.90E-04	2.99E-08	1.04E-08	2.05E-04	3.24E-08	1.13E-08	3.29E-04	5.18E-08	1.80E-08
3542	492363.09, 3849877.25	1.92E-04	3.02E-08	1.05E-08	2.08E-04	3.27E-08	1.14E-08	3.32E-04	5.24E-08	1.82E-08
3543	492863.09, 3849877.25	1.88E-04	2.96E-08	1.03E-08	2.03E-04	3.20E-08	1.11E-08	3.26E-04	5.13E-08	1.79E-08
3544	493363.09, 3849877.25	1.84E-04	2.90E-08	1.01E-08	1.99E-04	3.13E-08	1.09E-08	3.19E-04	5.03E-08	1.75E-08
3545	493863.09, 3849877.25	1.85E-04	2.92E-08	1.02E-08	2.00E-04	3.15E-08	1.10E-08	3.21E-04	5.06E-08	1.76E-08
3546	494363.09, 3849877.25	2.24E-04	3.52E-08	1.23E-08	2.42E-04	3.81E-08	1.33E-08	3.87E-04	6.10E-08	2.13E-08
3547	494863.09, 3849877.25	2.56E-04	4.03E-08	1.40E-08	2.76E-04	4.36E-08	1.52E-08	4.43E-04	6.97E-08	2.43E-08
3548	495363.09, 3849877.25	2.37E-04	3.74E-08	1.30E-08	2.56E-04	4.04E-08	1.41E-08	4.10E-04	6.46E-08	2.25E-08
3549	495863.09, 3849877.25	2.74E-04	4.32E-08	1.51E-08	2.97E-04	4.67E-08	1.63E-08	4.74E-04	7.47E-08	2.60E-08
3550	496363.09, 3849877.25	2.94E-04	4.63E-08	1.61E-08	3.17E-04	5.00E-08	1.74E-08	5.07E-04	7.99E-08	2.79E-08
3551	496863.09, 3849877.25	3.10E-04	4.88E-08	1.70E-08	3.35E-04	5.27E-08	1.84E-08	5.35E-04	8.43E-08	2.94E-08
3552	497363.09, 3849877.25	3.67E-04	5.78E-08	2.01E-08	3.97E-04	6.25E-08	2.18E-08	6.34E-04	9.98E-08	3.48E-08
3553	497863.09, 3849877.25	3.94E-04	6.21E-08	2.16E-08	4.26E-04	6.71E-08	2.34E-08	6.80E-04	1.07E-07	3.73E-08
3554	498363.09, 3849877.25	3.90E-04	6.14E-08	2.14E-08	4.21E-04	6.64E-08	2.31E-08	6.73E-04	1.06E-07	3.69E-08
3555	471363.09, 3850377.25	1.88E-04	2.96E-08	1.03E-08	2.03E-04	3.19E-08	1.11E-08	3.22E-04	5.08E-08	1.77E-08
3556	471863.09, 3850377.25	2.44E-04	3.84E-08	1.34E-08	2.63E-04	4.14E-08	1.44E-08	4.18E-04	6.58E-08	2.29E-08
3557	472363.09, 3850377.25	2.73E-04	4.30E-08	1.50E-08	2.95E-04	4.64E-08	1.62E-08	4.67E-04	7.36E-08	2.56E-08
3558	472863.09, 3850377.25	3.29E-04	5.18E-08	1.80E-08	3.54E-04	5.58E-08	1.95E-08	5.60E-04	8.83E-08	3.08E-08
3559	473363.09, 3850377.25	3.59E-04	5.66E-08	1.97E-08	3.87E-04	6.10E-08	2.13E-08	6.12E-04	9.65E-08	3.36E-08
3560	473863.09, 3850377.25	3.98E-04	6.26E-08	2.18E-08	4.29E-04	6.75E-08	2.35E-08	6.78E-04	1.07E-07	3.72E-08
3561	474363.09, 3850377.25	4.33E-04	6.82E-08	2.38E-08	4.67E-04	7.36E-08	2.56E-08	7.38E-04	1.16E-07	4.05E-08
3562	474863.09, 3850377.25	4.64E-04	7.31E-08	2.55E-08	5.01E-04	7.89E-08	2.75E-08	7.92E-04	1.25E-07	4.35E-08
3563	475363.09, 3850377.25	4.90E-04	7.72E-08	2.69E-08	5.28E-04	8.33E-08	2.90E-08	8.37E-04	1.32E-07	4.59E-08
3564	475863.09, 3850377.25	5.03E-04	7.93E-08	2.76E-08	5.43E-04	8.56E-08	2.98E-08	8.60E-04	1.35E-07	4.72E-08
3565	476363.09, 3850377.25	5.09E-04	8.03E-08	2.80E-08	5.50E-04	8.66E-08	3.02E-08	8.68E-04	1.37E-07	4.77E-08
3566	476863.09, 3850377.25	5.15E-04	8.11E-08	2.82E-08	5.55E-04	8.74E-08	3.05E-08	8.74E-04	1.38E-07	4.80E-08
3567	477363.09, 3850377.25	5.16E-04	8.13E-08	2.83E-08	5.56E-04	8.76E-08	3.05E-08	8.73E-04	1.38E-07	4.79E-08
3568	477863.09, 3850377.25	4.99E-04	7.86E-08	2.74E-08	5.37E-04	8.47E-08	2.95E-08	8.43E-04	1.33E-07	4.62E-08
3569	478363.09, 3850377.25	4.99E-04	7.86E-08	2.74E-08	5.37E-04	8.47E-08	2.95E-08	8.44E-04	1.33E-07	4.63E-08
3570	478863.09, 3850377.25	6.52E-04	1.03E-07	3.58E-08	7.03E-04	1.11E-07	3.86E-08	1.11E-03	1.75E-07	6.08E-08
3571	479363.09, 3850377.25	7.96E-04	1.25E-07	4.37E-08	8.58E-04	1.35E-07	4.71E-08	1.36E-03	2.14E-07	7.46E-08
3572	479863.09, 3850377.25	7.34E-04	1.16E-07	4.03E-08	7.92E-04	1.25E-07	4.35E-08	1.25E-03	1.97E-07	6.87E-08
3573	480363.09, 3850377.25	6.12E-04	9.64E-08	3.36E-08	6.60E-04	1.04E-07	3.62E-08	1.04E-03	1.64E-07	5.72E-08
3574	480863.09, 3850377.25	5.60E-04	8.81E-08	3.07E-08	6.03E-04	9.50E-08	3.31E-08	9.50E-04	1.50E-07	5.22E-08
3575	481363.09, 3850377.25	3.46E-04	5.44E-08	1.90E-08	3.72E-04	5.87E-08	2.04E-08	5.85E-04	9.21E-08	3.21E-08
3576	481863.09, 3850377.25	3.13E-04	4.93E-08	1.72E-08	3.37E-04	5.31E-08	1.85E-08	5.30E-04	8.35E-08	2.91E-08
3577	482363.09, 3850377.25	2.79E-04	4.39E-08	1.53E-08	3.00E-04	4.73E-08	1.65E-08	4.73E-04	7.44E-08	2.59E-08
3578	482863.09, 3850377.25	1.95E-04	3.08E-08	1.07E-08	2.10E-04	3.32E-08	1.16E-08	3.31E-04	5.22E-08	1.82E-08
3579	483363.09, 3850377.25	1.61E-04	2.54E-08	8.84E-09	1.74E-04	2.74E-08	9.54E-09	2.74E-04	4.32E-08	1.50E-08
3580	483863.09, 3850377.25	1.68E-04	2.65E-08	9.24E-09	1.81E-04	2.86E-08	9.96E-09	2.85E-04	4.49E-08	1.57E-08

3581	484363.09, 3850377.25	1.93E-04	3.04E-08	1.06E-08	2.08E-04	3.27E-08	1.14E-08	3.26E-04	5.14E-08	1.79E-08
3582	484863.09, 3850377.25	2.25E-04	3.55E-08	1.24E-08	2.43E-04	3.82E-08	1.33E-08	3.81E-04	6.00E-08	2.09E-08
3583	485363.09, 3850377.25	2.19E-04	3.45E-08	1.20E-08	2.36E-04	3.72E-08	1.30E-08	3.70E-04	5.83E-08	2.03E-08
3584	485863.09, 3850377.25	1.97E-04	3.10E-08	1.08E-08	2.12E-04	3.34E-08	1.17E-08	3.34E-04	5.26E-08	1.83E-08
3585	486363.09, 3850377.25	1.95E-04	3.08E-08	1.07E-08	2.11E-04	3.32E-08	1.16E-08	3.32E-04	5.23E-08	1.82E-08
3586	486863.09, 3850377.25	1.96E-04	3.09E-08	1.08E-08	2.12E-04	3.34E-08	1.16E-08	3.34E-04	5.26E-08	1.83E-08
3587	487363.09, 3850377.25	1.92E-04	3.02E-08	1.05E-08	2.07E-04	3.26E-08	1.13E-08	3.26E-04	5.14E-08	1.79E-08
3588	487863.09, 3850377.25	1.98E-04	3.12E-08	1.09E-08	2.14E-04	3.37E-08	1.17E-08	3.38E-04	5.32E-08	1.85E-08
3589	488363.09, 3850377.25	2.04E-04	3.21E-08	1.12E-08	2.20E-04	3.46E-08	1.21E-08	3.48E-04	5.48E-08	1.91E-08
3590	488863.09, 3850377.25	2.13E-04	3.35E-08	1.17E-08	2.30E-04	3.62E-08	1.26E-08	3.64E-04	5.74E-08	2.00E-08
3591	489363.09, 3850377.25	2.21E-04	3.49E-08	1.22E-08	2.39E-04	3.77E-08	1.31E-08	3.81E-04	6.00E-08	2.09E-08
3592	489863.09, 3850377.25	2.26E-04	3.56E-08	1.24E-08	2.44E-04	3.84E-08	1.34E-08	3.89E-04	6.13E-08	2.13E-08
3593	490363.09, 3850377.25	2.33E-04	3.66E-08	1.28E-08	2.51E-04	3.96E-08	1.38E-08	4.01E-04	6.32E-08	2.20E-08
3594	490863.09, 3850377.25	2.42E-04	3.81E-08	1.33E-08	2.61E-04	4.11E-08	1.43E-08	4.17E-04	6.57E-08	2.29E-08
3595	491363.09, 3850377.25	2.49E-04	3.93E-08	1.37E-08	2.69E-04	4.24E-08	1.48E-08	4.31E-04	6.78E-08	2.36E-08
3596	491863.09, 3850377.25	2.48E-04	3.91E-08	1.36E-08	2.68E-04	4.22E-08	1.47E-08	4.29E-04	6.76E-08	2.36E-08
3597	492363.09, 3850377.25	2.44E-04	3.84E-08	1.34E-08	2.64E-04	4.15E-08	1.45E-08	4.22E-04	6.65E-08	2.32E-08
3598	492863.09, 3850377.25	2.46E-04	3.87E-08	1.35E-08	2.66E-04	4.18E-08	1.46E-08	4.26E-04	6.70E-08	2.34E-08
3599	493363.09, 3850377.25	2.40E-04	3.79E-08	1.32E-08	2.60E-04	4.09E-08	1.43E-08	4.16E-04	6.56E-08	2.28E-08
3600	493863.09, 3850377.25	2.67E-04	4.21E-08	1.47E-08	2.88E-04	4.54E-08	1.58E-08	4.62E-04	7.28E-08	2.54E-08
3601	494363.09, 3850377.25	2.89E-04	4.56E-08	1.59E-08	3.13E-04	4.93E-08	1.72E-08	5.00E-04	7.88E-08	2.75E-08
3602	494863.09, 3850377.25	3.24E-04	5.11E-08	1.78E-08	3.50E-04	5.52E-08	1.92E-08	5.60E-04	8.83E-08	3.08E-08
3603	495363.09, 3850377.25	3.67E-04	5.79E-08	2.02E-08	3.97E-04	6.25E-08	2.18E-08	6.34E-04	9.99E-08	3.48E-08
3604	495863.09, 3850377.25	3.60E-04	5.67E-08	1.98E-08	3.89E-04	6.13E-08	2.14E-08	6.22E-04	9.80E-08	3.41E-08
3605	496363.09, 3850377.25	4.04E-04	6.36E-08	2.22E-08	4.36E-04	6.88E-08	2.40E-08	6.97E-04	1.10E-07	3.83E-08
3606	496863.09, 3850377.25	4.46E-04	7.03E-08	2.45E-08	4.82E-04	7.59E-08	2.65E-08	7.70E-04	1.21E-07	4.23E-08
3607	497363.09, 3850377.25	4.69E-04	7.39E-08	2.57E-08	5.07E-04	7.98E-08	2.78E-08	8.09E-04	1.27E-07	4.44E-08
3608	497863.09, 3850377.25	4.72E-04	7.44E-08	2.59E-08	5.10E-04	8.04E-08	2.80E-08	8.15E-04	1.28E-07	4.47E-08
3609	498363.09, 3850377.25	4.75E-04	7.48E-08	2.61E-08	5.13E-04	8.09E-08	2.82E-08	8.20E-04	1.29E-07	4.50E-08
3610	471363.09, 3850877.25	2.33E-04	3.66E-08	1.28E-08	2.51E-04	3.95E-08	1.38E-08	3.99E-04	6.28E-08	2.19E-08
3611	471863.09, 3850877.25	2.59E-04	4.08E-08	1.42E-08	2.80E-04	4.40E-08	1.53E-08	4.44E-04	7.00E-08	2.44E-08
3612	472363.09, 3850877.25	2.96E-04	4.67E-08	1.63E-08	3.20E-04	5.04E-08	1.75E-08	5.08E-04	8.00E-08	2.79E-08
3613	472863.09, 3850877.25	3.31E-04	5.21E-08	1.81E-08	3.57E-04	5.62E-08	1.96E-08	5.66E-04	8.92E-08	3.11E-08
3614	473363.09, 3850877.25	3.23E-04	5.09E-08	1.77E-08	3.48E-04	5.49E-08	1.91E-08	5.53E-04	8.71E-08	3.03E-08
3615	473863.09, 3850877.25	3.71E-04	5.85E-08	2.04E-08	4.01E-04	6.31E-08	2.20E-08	6.34E-04	9.99E-08	3.48E-08
3616	474363.09, 3850877.25	4.29E-04	6.76E-08	2.36E-08	4.63E-04	7.29E-08	2.54E-08	7.31E-04	1.15E-07	4.01E-08
3617	474863.09, 3850877.25	4.69E-04	7.39E-08	2.57E-08	5.06E-04	7.97E-08	2.78E-08	7.99E-04	1.26E-07	4.38E-08
3618	475363.09, 3850877.25	5.08E-04	8.00E-08	2.79E-08	5.48E-04	8.63E-08	3.01E-08	8.66E-04	1.36E-07	4.75E-08
3619	475863.09, 3850877.25	5.47E-04	8.62E-08	3.00E-08	5.91E-04	9.30E-08	3.24E-08	9.34E-04	1.47E-07	5.13E-08
3620	476363.09, 3850877.25	5.77E-04	9.09E-08	3.17E-08	6.23E-04	9.81E-08	3.42E-08	9.85E-04	1.55E-07	5.41E-08
3621	476863.09, 3850877.25	5.94E-04	9.36E-08	3.26E-08	6.41E-04	1.01E-07	3.52E-08	1.01E-03	1.60E-07	5.56E-08
3622	477363.09, 3850877.25	6.05E-04	9.54E-08	3.32E-08	6.53E-04	1.03E-07	3.58E-08	1.03E-03	1.62E-07	5.65E-08
3623	477863.09, 3850877.25	6.10E-04	9.61E-08	3.35E-08	6.58E-04	1.04E-07	3.61E-08	1.03E-03	1.63E-07	5.67E-08
3624	478363.09, 3850877.25	5.99E-04	9.43E-08	3.29E-08	6.45E-04	1.02E-07	3.54E-08	1.01E-03	1.59E-07	5.55E-08
3625	478863.09, 3850877.25	6.21E-04	9.78E-08	3.41E-08	6.69E-04	1.05E-07	3.67E-08	1.04E-03	1.65E-07	5.73E-08
3626	479363.09, 3850877.25	7.71E-04	1.21E-07	4.23E-08	8.31E-04	1.31E-07	4.56E-08	1.31E-03	2.06E-07	7.17E-08
3627	479863.09, 3850877.25	9.25E-04	1.46E-07	5.08E-08	9.98E-04	1.57E-07	5.48E-08	1.58E-03	2.49E-07	8.67E-08
3628	480363.09, 3850877.25	9.11E-04	1.43E-07	5.00E-08	9.82E-04	1.55E-07	5.39E-08	1.55E-03	2.44E-07	8.50E-08
3629	480863.09, 3850877.25	8.00E-04	1.26E-07	4.39E-08	8.62E-04	1.36E-07	4.73E-08	1.36E-03	2.14E-07	7.45E-08
3630	481363.09, 3850877.25	6.99E-04	1.10E-07	3.84E-08	7.53E-04	1.19E-07	4.13E-08	1.18E-03	1.87E-07	6.50E-08
3631	481863.09, 3850877.25	5.60E-04	8.83E-08	3.07E-08	6.04E-04	9.51E-08	3.31E-08	9.47E-04	1.49E-07	5.20E-08
3632	482363.09, 3850877.25	4.02E-04	6.34E-08	2.21E-08	4.34E-04	6.83E-08	2.38E-08	6.82E-04	1.07E-07	3.74E-08
3633	482863.09, 3850877.25	3.17E-04	4.99E-08	1.74E-08	3.41E-04	5.38E-08	1.87E-08	5.35E-04	8.43E-08	2.94E-08
3634	483363.09, 3850877.25	2.45E-04	3.86E-08	1.35E-08	2.64E-04	4.16E-08	1.45E-08	4.16E-04	6.55E-08	2.28E-08
3635	483863.09, 3850877.25	2.37E-04	3.73E-08	1.30E-08	2.55E-04	4.02E-08	1.40E-08	4.01E-04	6.32E-08	2.20E-08
3636	484363.09, 3850877.25	2.66E-04	4.18E-08	1.46E-08	2.86E-04	4.51E-08	1.57E-08	4.49E-04	7.07E-08	2.46E-08
3637	484863.09, 3850877.25	2.59E-04	4.07E-08	1.42E-08	2.79E-04	4.39E-08	1.53E-08	4.37E-04	6.88E-08	2.40E-08
3638	485363.09, 3850877.25	2.71E-04	4.28E-08	1.49E-08	2.92E-04	4.61E-08	1.61E-08	4.59E-04	7.22E-08	2.52E-08
3639	485863.09, 3850877.25	2.39E-04	3.77E-08	1.31E-08	2.58E-04	4.06E-08	1.42E-08	4.06E-04	6.40E-08	2.23E-08
3640	486363.09, 3850877.25	2.52E-04	3.97E-08	1.38E-08	2.72E-04	4.28E-08	1.49E-08	4.28E-04	6.74E-08	2.35E-08
3641	486863.09, 3850877.25	2.53E-04	3.98E-08	1.39E-08	2.73E-04	4.30E-08	1.50E-08	4.30E-04	6.77E-08	2.36E-08
3642	487363.09, 3850877.25	2.47E-04	3.90E-08	1.36E-08	2.67E-04	4.20E-08	1.46E-08	4.21E-04	6.63E-08	2.31E-08
3643	487863.09, 3850877.25	2.57E-04	4.04E-08	1.41E-08	2.77E-04	4.36E-08	1.52E-08	4.38E-04	6.90E-08	2.40E-08
3644	488363.09, 3850877.25	2.70E-04	4.26E-08	1.48E-08	2.92E-04	4.59E-08	1.60E-08	4.62E-04	7.28E-08	2.54E-08

3645	488863.09, 3850877.25	2.82E-04	4.45E-08	1.55E-08	3.05E-04	4.80E-08	1.67E-08	4.85E-04	7.64E-08	2.66E-08
3646	489363.09, 3850877.25	2.98E-04	4.69E-08	1.63E-08	3.21E-04	5.06E-08	1.76E-08	5.12E-04	8.07E-08	2.81E-08
3647	489863.09, 3850877.25	3.09E-04	4.86E-08	1.69E-08	3.34E-04	5.25E-08	1.83E-08	5.32E-04	8.39E-08	2.92E-08
3648	490363.09, 3850877.25	3.24E-04	5.10E-08	1.78E-08	3.50E-04	5.51E-08	1.92E-08	5.59E-04	8.80E-08	3.07E-08
3649	490863.09, 3850877.25	3.35E-04	5.28E-08	1.84E-08	3.62E-04	5.70E-08	1.99E-08	5.78E-04	9.11E-08	3.17E-08
3650	491363.09, 3850877.25	3.38E-04	5.33E-08	1.86E-08	3.65E-04	5.75E-08	2.00E-08	5.84E-04	9.20E-08	3.21E-08
3651	491863.09, 3850877.25	3.38E-04	5.32E-08	1.85E-08	3.65E-04	5.75E-08	2.00E-08	5.84E-04	9.19E-08	3.20E-08
3652	492363.09, 3850877.25	3.36E-04	5.29E-08	1.84E-08	3.63E-04	5.72E-08	1.99E-08	5.81E-04	9.15E-08	3.19E-08
3653	492863.09, 3850877.25	3.39E-04	5.33E-08	1.86E-08	3.66E-04	5.76E-08	2.01E-08	5.85E-04	9.22E-08	3.21E-08
3654	493363.09, 3850877.25	3.47E-04	5.47E-08	1.91E-08	3.75E-04	5.91E-08	2.06E-08	6.01E-04	9.46E-08	3.30E-08
3655	493863.09, 3850877.25	3.83E-04	6.03E-08	2.10E-08	4.14E-04	6.52E-08	2.27E-08	6.62E-04	1.04E-07	3.63E-08
3656	494363.09, 3850877.25	4.03E-04	6.34E-08	2.21E-08	4.35E-04	6.85E-08	2.39E-08	6.95E-04	1.10E-07	3.82E-08
3657	494863.09, 3850877.25	4.43E-04	6.98E-08	2.43E-08	4.79E-04	7.54E-08	2.63E-08	7.65E-04	1.21E-07	4.20E-08
3658	495363.09, 3850877.25	4.88E-04	7.69E-08	2.68E-08	5.27E-04	8.31E-08	2.89E-08	8.43E-04	1.33E-07	4.63E-08
3659	495863.09, 3850877.25	5.01E-04	7.90E-08	2.75E-08	5.42E-04	8.53E-08	2.97E-08	8.65E-04	1.36E-07	4.75E-08
3660	496363.09, 3850877.25	5.29E-04	8.33E-08	2.90E-08	5.71E-04	9.00E-08	3.13E-08	9.12E-04	1.44E-07	5.01E-08
3661	496863.09, 3850877.25	5.70E-04	8.99E-08	3.13E-08	6.16E-04	9.71E-08	3.38E-08	9.84E-04	1.55E-07	5.40E-08
3662	497363.09, 3850877.25	5.77E-04	9.10E-08	3.17E-08	6.24E-04	9.83E-08	3.42E-08	9.96E-04	1.57E-07	5.47E-08
3663	497863.09, 3850877.25	5.72E-04	9.02E-08	3.14E-08	6.18E-04	9.74E-08	3.39E-08	9.88E-04	1.56E-07	5.42E-08
3664	498363.09, 3850877.25	5.67E-04	8.92E-08	3.11E-08	6.12E-04	9.64E-08	3.36E-08	9.78E-04	1.54E-07	5.37E-08
3665	471363.09, 3851377.25	2.57E-04	4.05E-08	1.41E-08	2.77E-04	4.37E-08	1.52E-08	4.41E-04	6.94E-08	2.42E-08
3666	471863.09, 3851377.25	3.13E-04	4.93E-08	1.72E-08	3.38E-04	5.33E-08	1.86E-08	5.37E-04	8.46E-08	2.95E-08
3667	472363.09, 3851377.25	3.20E-04	5.04E-08	1.76E-08	3.45E-04	5.44E-08	1.89E-08	5.48E-04	8.63E-08	3.01E-08
3668	472863.09, 3851377.25	3.29E-04	5.18E-08	1.80E-08	3.55E-04	5.59E-08	1.95E-08	5.63E-04	8.87E-08	3.09E-08
3669	473363.09, 3851377.25	3.03E-04	4.78E-08	1.66E-08	3.27E-04	5.15E-08	1.80E-08	5.19E-04	8.18E-08	2.85E-08
3670	473863.09, 3851377.25	3.22E-04	5.07E-08	1.76E-08	3.47E-04	5.47E-08	1.90E-08	5.51E-04	8.68E-08	3.02E-08
3671	474363.09, 3851377.25	3.86E-04	6.07E-08	2.12E-08	4.16E-04	6.55E-08	2.28E-08	6.60E-04	1.04E-07	3.62E-08
3672	474863.09, 3851377.25	4.47E-04	7.04E-08	2.45E-08	4.82E-04	7.60E-08	2.65E-08	7.64E-04	1.20E-07	4.19E-08
3673	475363.09, 3851377.25	5.04E-04	7.93E-08	2.76E-08	5.43E-04	8.56E-08	2.98E-08	8.59E-04	1.35E-07	4.71E-08
3674	475863.09, 3851377.25	5.52E-04	8.69E-08	3.03E-08	5.95E-04	9.37E-08	3.27E-08	9.40E-04	1.48E-07	5.16E-08
3675	476363.09, 3851377.25	6.02E-04	9.48E-08	3.30E-08	6.49E-04	1.02E-07	3.56E-08	1.03E-03	1.62E-07	5.63E-08
3676	476863.09, 3851377.25	6.41E-04	1.01E-07	3.52E-08	6.91E-04	1.09E-07	3.79E-08	1.09E-03	1.72E-07	6.01E-08
3677	477363.09, 3851377.25	6.92E-04	1.09E-07	3.80E-08	7.47E-04	1.18E-07	4.10E-08	1.18E-03	1.86E-07	6.48E-08
3678	477863.09, 3851377.25	7.16E-04	1.13E-07	3.93E-08	7.73E-04	1.22E-07	4.24E-08	1.22E-03	1.92E-07	6.70E-08
3679	478363.09, 3851377.25	7.26E-04	1.14E-07	3.98E-08	7.83E-04	1.23E-07	4.30E-08	1.23E-03	1.94E-07	6.76E-08
3680	478863.09, 3851377.25	7.25E-04	1.14E-07	3.98E-08	7.81E-04	1.23E-07	4.28E-08	1.22E-03	1.93E-07	6.72E-08
3681	479363.09, 3851377.25	7.40E-04	1.17E-07	4.06E-08	7.97E-04	1.26E-07	4.37E-08	1.24E-03	1.96E-07	6.83E-08
3682	479863.09, 3851377.25	9.20E-04	1.45E-07	5.05E-08	9.91E-04	1.56E-07	5.44E-08	1.56E-03	2.45E-07	8.54E-08
3683	480363.09, 3851377.25	1.11E-03	1.75E-07	6.11E-08	1.20E-03	1.89E-07	6.58E-08	1.89E-03	2.98E-07	1.04E-07
3684	480863.09, 3851377.25	1.09E-03	1.72E-07	5.99E-08	1.18E-03	1.85E-07	6.46E-08	1.85E-03	2.91E-07	1.02E-07
3685	481363.09, 3851377.25	9.90E-04	1.56E-07	5.43E-08	1.07E-03	1.68E-07	5.86E-08	1.68E-03	2.64E-07	9.20E-08
3686	481863.09, 3851377.25	8.16E-04	1.29E-07	4.48E-08	8.79E-04	1.38E-07	4.82E-08	1.38E-03	2.17E-07	7.56E-08
3687	482363.09, 3851377.25	6.90E-04	1.09E-07	3.79E-08	7.44E-04	1.17E-07	4.08E-08	1.17E-03	1.84E-07	6.40E-08
3688	482863.09, 3851377.25	4.95E-04	7.80E-08	2.72E-08	5.34E-04	8.41E-08	2.93E-08	8.37E-04	1.32E-07	4.59E-08
3689	483363.09, 3851377.25	3.54E-04	5.58E-08	1.94E-08	3.82E-04	6.01E-08	2.10E-08	5.99E-04	9.43E-08	3.28E-08
3690	483863.09, 3851377.25	3.07E-04	4.84E-08	1.69E-08	3.31E-04	5.22E-08	1.82E-08	5.21E-04	8.20E-08	2.86E-08
3691	484363.09, 3851377.25	3.71E-04	5.84E-08	2.03E-08	3.99E-04	6.29E-08	2.19E-08	6.25E-04	9.85E-08	3.43E-08
3692	484863.09, 3851377.25	2.80E-04	4.41E-08	1.54E-08	3.02E-04	4.76E-08	1.66E-08	4.74E-04	7.47E-08	2.60E-08
3693	485363.09, 3851377.25	3.52E-04	5.54E-08	1.93E-08	3.79E-04	5.97E-08	2.08E-08	5.94E-04	9.36E-08	3.26E-08
3694	485863.09, 3851377.25	3.09E-04	4.86E-08	1.69E-08	3.33E-04	5.24E-08	1.83E-08	5.24E-04	8.25E-08	2.87E-08
3695	486363.09, 3851377.25	3.40E-04	5.36E-08	1.87E-08	3.66E-04	5.77E-08	2.01E-08	5.76E-04	9.08E-08	3.16E-08
3696	486863.09, 3851377.25	3.37E-04	5.31E-08	1.85E-08	3.64E-04	5.73E-08	2.00E-08	5.74E-04	9.04E-08	3.15E-08
3697	487363.09, 3851377.25	3.09E-04	4.87E-08	1.70E-08	3.33E-04	5.25E-08	1.83E-08	5.27E-04	8.31E-08	2.90E-08
3698	487863.09, 3851377.25	3.51E-04	5.53E-08	1.93E-08	3.79E-04	5.96E-08	2.08E-08	6.01E-04	9.46E-08	3.30E-08
3699	488363.09, 3851377.25	3.77E-04	5.93E-08	2.07E-08	4.07E-04	6.40E-08	2.23E-08	6.46E-04	1.02E-07	3.55E-08
3700	488863.09, 3851377.25	3.96E-04	6.23E-08	2.17E-08	4.27E-04	6.73E-08	2.34E-08	6.80E-04	1.07E-07	3.73E-08
3701	489363.09, 3851377.25	4.16E-04	6.55E-08	2.28E-08	4.49E-04	7.08E-08	2.47E-08	7.17E-04	1.13E-07	3.93E-08
3702	489863.09, 3851377.25	4.33E-04	6.82E-08	2.37E-08	4.67E-04	7.36E-08	2.57E-08	7.47E-04	1.18E-07	4.10E-08
3703	490363.09, 3851377.25	4.50E-04	7.08E-08	2.47E-08	4.86E-04	7.65E-08	2.67E-08	7.76E-04	1.22E-07	4.26E-08
3704	490863.09, 3851377.25	4.61E-04	7.27E-08	2.53E-08	4.98E-04	7.85E-08	2.74E-08	7.96E-04	1.25E-07	4.37E-08
3705	491363.09, 3851377.25	4.60E-04	7.25E-08	2.53E-08	4.97E-04	7.84E-08	2.73E-08	7.95E-04	1.25E-07	4.36E-08
3706	491863.09, 3851377.25	4.62E-04	7.28E-08	2.54E-08	4.99E-04	7.86E-08	2.74E-08	7.98E-04	1.26E-07	4.38E-08
3707	492363.09, 3851377.25	4.68E-04	7.37E-08	2.57E-08	5.05E-04	7.96E-08	2.77E-08	8.08E-04	1.27E-07	4.43E-08
3708	492863.09, 3851377.25	4.63E-04	7.29E-08	2.54E-08	5.00E-04	7.88E-08	2.74E-08	8.00E-04	1.26E-07	4.39E-08

3709	493363.09, 3851377.25	4.28E-04	6.75E-08	2.35E-08	4.63E-04	7.29E-08	2.54E-08	7.40E-04	1.17E-07	4.06E-08
3710	493863.09, 3851377.25	4.67E-04	7.36E-08	2.57E-08	5.05E-04	7.96E-08	2.77E-08	8.07E-04	1.27E-07	4.43E-08
3711	494363.09, 3851377.25	5.47E-04	8.62E-08	3.00E-08	5.91E-04	9.31E-08	3.24E-08	9.44E-04	1.49E-07	5.18E-08
3712	494863.09, 3851377.25	5.70E-04	8.97E-08	3.13E-08	6.15E-04	9.70E-08	3.38E-08	9.83E-04	1.55E-07	5.40E-08
3713	495363.09, 3851377.25	6.51E-04	1.03E-07	3.58E-08	7.04E-04	1.11E-07	3.86E-08	1.12E-03	1.77E-07	6.17E-08
3714	495863.09, 3851377.25	6.84E-04	1.08E-07	3.75E-08	7.39E-04	1.16E-07	4.06E-08	1.18E-03	1.86E-07	6.47E-08
3715	496363.09, 3851377.25	7.02E-04	1.11E-07	3.85E-08	7.58E-04	1.19E-07	4.16E-08	1.21E-03	1.91E-07	6.64E-08
3716	496863.09, 3851377.25	7.07E-04	1.11E-07	3.88E-08	7.64E-04	1.20E-07	4.19E-08	1.22E-03	1.92E-07	6.69E-08
3717	497363.09, 3851377.25	7.09E-04	1.12E-07	3.89E-08	7.66E-04	1.21E-07	4.20E-08	1.22E-03	1.93E-07	6.71E-08
3718	497863.09, 3851377.25	6.98E-04	1.10E-07	3.83E-08	7.55E-04	1.19E-07	4.14E-08	1.20E-03	1.90E-07	6.61E-08
3719	498363.09, 3851377.25	6.65E-04	1.05E-07	3.65E-08	7.18E-04	1.13E-07	3.94E-08	1.15E-03	1.81E-07	6.30E-08
3720	471363.09, 3851877.25	2.90E-04	4.57E-08	1.59E-08	3.14E-04	4.94E-08	1.72E-08	4.99E-04	7.86E-08	2.74E-08
3721	471863.09, 3851877.25	2.82E-04	4.45E-08	1.55E-08	3.05E-04	4.80E-08	1.67E-08	4.85E-04	7.64E-08	2.66E-08
3722	472363.09, 3851877.25	3.17E-04	4.99E-08	1.74E-08	3.42E-04	5.39E-08	1.88E-08	5.44E-04	8.57E-08	2.99E-08
3723	472863.09, 3851877.25	3.48E-04	5.48E-08	1.91E-08	3.75E-04	5.91E-08	2.06E-08	5.97E-04	9.40E-08	3.27E-08
3724	473363.09, 3851877.25	3.28E-04	5.16E-08	1.80E-08	3.54E-04	5.57E-08	1.94E-08	5.62E-04	8.85E-08	3.08E-08
3725	473863.09, 3851877.25	3.38E-04	5.32E-08	1.85E-08	3.65E-04	5.74E-08	2.00E-08	5.79E-04	9.12E-08	3.18E-08
3726	474363.09, 3851877.25	3.95E-04	6.22E-08	2.17E-08	4.26E-04	6.72E-08	2.34E-08	6.76E-04	1.07E-07	3.71E-08
3727	474863.09, 3851877.25	4.54E-04	7.15E-08	2.49E-08	4.90E-04	7.71E-08	2.69E-08	7.77E-04	1.22E-07	4.26E-08
3728	475363.09, 3851877.25	4.94E-04	7.78E-08	2.71E-08	5.33E-04	8.40E-08	2.93E-08	8.45E-04	1.33E-07	4.64E-08
3729	475863.09, 3851877.25	5.33E-04	8.40E-08	2.93E-08	5.76E-04	9.07E-08	3.16E-08	9.12E-04	1.44E-07	5.01E-08
3730	476363.09, 3851877.25	5.51E-04	8.68E-08	3.02E-08	5.95E-04	9.37E-08	3.26E-08	9.43E-04	1.49E-07	5.17E-08
3731	476863.09, 3851877.25	6.23E-04	9.82E-08	3.42E-08	6.72E-04	1.06E-07	3.69E-08	1.07E-03	1.68E-07	5.85E-08
3732	477363.09, 3851877.25	6.99E-04	1.10E-07	3.84E-08	7.55E-04	1.19E-07	4.14E-08	1.19E-03	1.88E-07	6.56E-08
3733	477863.09, 3851877.25	7.65E-04	1.20E-07	4.20E-08	8.25E-04	1.30E-07	4.53E-08	1.31E-03	2.06E-07	7.17E-08
3734	478363.09, 3851877.25	7.92E-04	1.25E-07	4.35E-08	8.55E-04	1.35E-07	4.69E-08	1.36E-03	2.13E-07	7.44E-08
3735	478863.09, 3851877.25	8.45E-04	1.33E-07	4.64E-08	9.12E-04	1.44E-07	5.01E-08	1.44E-03	2.27E-07	7.92E-08
3736	479363.09, 3851877.25	8.85E-04	1.39E-07	4.86E-08	9.54E-04	1.50E-07	5.24E-08	1.50E-03	2.36E-07	8.24E-08
3737	479863.09, 3851877.25	9.31E-04	1.47E-07	5.11E-08	1.00E-03	1.58E-07	5.51E-08	1.57E-03	2.48E-07	8.64E-08
3738	480363.09, 3851877.25	1.12E-03	1.77E-07	6.15E-08	1.21E-03	1.90E-07	6.63E-08	1.90E-03	2.99E-07	1.04E-07
3739	480863.09, 3851877.25	1.35E-03	2.12E-07	7.39E-08	1.45E-03	2.29E-07	7.97E-08	2.29E-03	3.60E-07	1.26E-07
3740	481363.09, 3851877.25	1.34E-03	2.11E-07	7.35E-08	1.44E-03	2.27E-07	7.91E-08	2.26E-03	3.56E-07	1.24E-07
3741	481863.09, 3851877.25	1.18E-03	1.85E-07	6.46E-08	1.27E-03	2.00E-07	6.96E-08	1.99E-03	3.13E-07	1.09E-07
3742	482363.09, 3851877.25	8.34E-04	1.31E-07	4.58E-08	8.99E-04	1.42E-07	4.93E-08	1.41E-03	2.22E-07	7.74E-08
3743	482863.09, 3851877.25	5.48E-04	8.63E-08	3.00E-08	5.90E-04	9.30E-08	3.24E-08	9.27E-04	1.46E-07	5.09E-08
3744	483363.09, 3851877.25	5.48E-04	8.63E-08	3.01E-08	5.90E-04	9.29E-08	3.24E-08	9.22E-04	1.45E-07	5.06E-08
3745	483863.09, 3851877.25	4.77E-04	7.51E-08	2.62E-08	5.13E-04	8.09E-08	2.82E-08	8.03E-04	1.26E-07	4.41E-08
3746	484363.09, 3851877.25	5.13E-04	8.09E-08	2.82E-08	5.53E-04	8.71E-08	3.03E-08	8.65E-04	1.36E-07	4.75E-08
3747	484863.09, 3851877.25	4.59E-04	7.23E-08	2.52E-08	4.95E-04	7.79E-08	2.71E-08	7.75E-04	1.22E-07	4.25E-08
3748	485363.09, 3851877.25	4.75E-04	7.49E-08	2.61E-08	5.12E-04	8.07E-08	2.81E-08	8.03E-04	1.27E-07	4.41E-08
3749	485863.09, 3851877.25	4.91E-04	7.74E-08	2.70E-08	5.30E-04	8.34E-08	2.91E-08	8.31E-04	1.31E-07	4.56E-08
3750	486363.09, 3851877.25	4.54E-04	7.16E-08	2.49E-08	4.90E-04	7.72E-08	2.69E-08	7.72E-04	1.22E-07	4.23E-08
3751	486863.09, 3851877.25	4.71E-04	7.41E-08	2.58E-08	5.08E-04	8.00E-08	2.79E-08	8.03E-04	1.26E-07	4.41E-08
3752	487363.09, 3851877.25	4.88E-04	7.68E-08	2.68E-08	5.26E-04	8.29E-08	2.89E-08	8.35E-04	1.32E-07	4.58E-08
3753	487863.09, 3851877.25	4.64E-04	7.31E-08	2.55E-08	5.01E-04	7.90E-08	2.75E-08	7.99E-04	1.26E-07	4.38E-08
3754	488363.09, 3851877.25	4.97E-04	7.83E-08	2.73E-08	5.37E-04	8.45E-08	2.94E-08	8.56E-04	1.35E-07	4.70E-08
3755	488863.09, 3851877.25	5.04E-04	7.94E-08	2.77E-08	5.44E-04	8.58E-08	2.99E-08	8.70E-04	1.37E-07	4.77E-08
3756	489363.09, 3851877.25	5.15E-04	8.11E-08	2.83E-08	5.56E-04	8.76E-08	3.05E-08	8.89E-04	1.40E-07	4.88E-08
3757	489863.09, 3851877.25	5.33E-04	8.40E-08	2.93E-08	5.76E-04	9.08E-08	3.16E-08	9.22E-04	1.45E-07	5.06E-08
3758	490363.09, 3851877.25	5.63E-04	8.86E-08	3.09E-08	6.08E-04	9.58E-08	3.34E-08	9.72E-04	1.53E-07	5.33E-08
3759	490863.09, 3851877.25	5.94E-04	9.36E-08	3.26E-08	6.42E-04	1.01E-07	3.52E-08	1.03E-03	1.62E-07	5.63E-08
3760	491363.09, 3851877.25	6.28E-04	9.89E-08	3.45E-08	6.78E-04	1.07E-07	3.72E-08	1.08E-03	1.71E-07	5.95E-08
3761	491863.09, 3851877.25	6.51E-04	1.02E-07	3.57E-08	7.03E-04	1.11E-07	3.86E-08	1.12E-03	1.77E-07	6.16E-08
3762	492363.09, 3851877.25	6.40E-04	1.01E-07	3.51E-08	6.92E-04	1.09E-07	3.80E-08	1.10E-03	1.74E-07	6.06E-08
3763	492863.09, 3851877.25	5.70E-04	8.97E-08	3.13E-08	6.16E-04	9.70E-08	3.38E-08	9.84E-04	1.55E-07	5.40E-08
3764	493363.09, 3851877.25	6.69E-04	1.05E-07	3.67E-08	7.23E-04	1.14E-07	3.97E-08	1.16E-03	1.82E-07	6.34E-08
3765	493863.09, 3851877.25	7.79E-04	1.23E-07	4.27E-08	8.41E-04	1.33E-07	4.62E-08	1.34E-03	2.12E-07	7.37E-08
3766	494363.09, 3851877.25	7.60E-04	1.20E-07	4.17E-08	8.21E-04	1.29E-07	4.51E-08	1.31E-03	2.06E-07	7.19E-08
3767	494863.09, 3851877.25	8.32E-04	1.31E-07	4.56E-08	8.98E-04	1.42E-07	4.93E-08	1.43E-03	2.26E-07	7.87E-08
3768	495363.09, 3851877.25	8.78E-04	1.38E-07	4.82E-08	9.48E-04	1.49E-07	5.20E-08	1.51E-03	2.38E-07	8.30E-08
3769	495863.09, 3851877.25	9.05E-04	1.42E-07	4.96E-08	9.77E-04	1.54E-07	5.36E-08	1.56E-03	2.46E-07	8.56E-08
3770	496363.09, 3851877.25	8.93E-04	1.41E-07	4.90E-08	9.65E-04	1.52E-07	5.30E-08	1.54E-03	2.43E-07	8.45E-08
3771	496863.09, 3851877.25	8.75E-04	1.38E-07	4.80E-08	9.45E-04	1.49E-07	5.19E-08	1.51E-03	2.38E-07	8.28E-08
3772	497363.09, 3851877.25	8.51E-04	1.34E-07	4.67E-08	9.19E-04	1.45E-07	5.04E-08	1.47E-03	2.31E-07	8.05E-08

3773	497863.09, 3851877.25	7.99E-04	1.26E-07	4.38E-08	8.63E-04	1.36E-07	4.73E-08	1.38E-03	2.17E-07	7.56E-08
3774	498363.09, 3851877.25	7.52E-04	1.19E-07	4.13E-08	8.13E-04	1.28E-07	4.46E-08	1.30E-03	2.04E-07	7.12E-08
3775	471363.09, 3852377.25	2.67E-04	4.20E-08	1.46E-08	2.88E-04	4.54E-08	1.58E-08	4.58E-04	7.22E-08	2.51E-08
3776	471863.09, 3852377.25	3.05E-04	4.80E-08	1.67E-08	3.29E-04	5.18E-08	1.81E-08	5.23E-04	8.24E-08	2.87E-08
3777	472363.09, 3852377.25	3.33E-04	5.24E-08	1.83E-08	3.59E-04	5.66E-08	1.97E-08	5.72E-04	9.01E-08	3.14E-08
3778	472863.09, 3852377.25	3.54E-04	5.58E-08	1.95E-08	3.83E-04	6.03E-08	2.10E-08	6.09E-04	9.59E-08	3.34E-08
3779	473363.09, 3852377.25	3.66E-04	5.77E-08	2.01E-08	3.96E-04	6.23E-08	2.17E-08	6.29E-04	9.91E-08	3.45E-08
3780	473863.09, 3852377.25	3.72E-04	5.85E-08	2.04E-08	4.01E-04	6.32E-08	2.20E-08	6.38E-04	1.00E-07	3.50E-08
3781	474363.09, 3852377.25	3.83E-04	6.03E-08	2.10E-08	4.13E-04	6.51E-08	2.27E-08	6.57E-04	1.03E-07	3.61E-08
3782	474863.09, 3852377.25	4.91E-04	7.73E-08	2.69E-08	5.30E-04	8.34E-08	2.91E-08	8.41E-04	1.32E-07	4.62E-08
3783	475363.09, 3852377.25	5.10E-04	8.04E-08	2.80E-08	5.51E-04	8.68E-08	3.02E-08	8.74E-04	1.38E-07	4.80E-08
3784	475863.09, 3852377.25	5.23E-04	8.24E-08	2.87E-08	5.65E-04	8.90E-08	3.10E-08	8.96E-04	1.41E-07	4.92E-08
3785	476363.09, 3852377.25	5.24E-04	8.25E-08	2.87E-08	5.65E-04	8.90E-08	3.10E-08	8.96E-04	1.41E-07	4.92E-08
3786	476863.09, 3852377.25	5.68E-04	8.95E-08	3.12E-08	6.13E-04	9.66E-08	3.36E-08	9.72E-04	1.53E-07	5.34E-08
3787	477363.09, 3852377.25	6.02E-04	9.48E-08	3.30E-08	6.49E-04	1.02E-07	3.56E-08	1.03E-03	1.62E-07	5.66E-08
3788	477863.09, 3852377.25	5.46E-04	8.60E-08	3.00E-08	5.90E-04	9.29E-08	3.24E-08	9.36E-04	1.47E-07	5.14E-08
3789	478363.09, 3852377.25	5.18E-04	8.16E-08	2.84E-08	5.59E-04	8.81E-08	3.07E-08	8.87E-04	1.40E-07	4.87E-08
3790	478863.09, 3852377.25	6.95E-04	1.09E-07	3.81E-08	7.49E-04	1.18E-07	4.11E-08	1.19E-03	1.87E-07	6.51E-08
3791	479363.09, 3852377.25	8.24E-04	1.30E-07	4.52E-08	8.89E-04	1.40E-07	4.88E-08	1.41E-03	2.22E-07	7.72E-08
3792	479863.09, 3852377.25	1.04E-03	1.64E-07	5.73E-08	1.13E-03	1.77E-07	6.18E-08	1.78E-03	2.81E-07	9.78E-08
3793	480363.09, 3852377.25	1.18E-03	1.87E-07	6.50E-08	1.28E-03	2.01E-07	7.00E-08	2.00E-03	3.16E-07	1.10E-07
3794	480863.09, 3852377.25	1.42E-03	2.23E-07	7.77E-08	1.53E-03	2.40E-07	8.38E-08	2.40E-03	3.78E-07	1.32E-07
3795	481363.09, 3852377.25	1.71E-03	2.69E-07	9.38E-08	1.84E-03	2.90E-07	1.01E-07	2.90E-03	4.58E-07	1.59E-07
3796	481863.09, 3852377.25	1.69E-03	2.67E-07	9.29E-08	1.82E-03	2.87E-07	1.00E-07	2.85E-03	4.50E-07	1.57E-07
3797	482363.09, 3852377.25	1.48E-03	2.33E-07	8.10E-08	1.59E-03	2.50E-07	8.72E-08	2.48E-03	3.91E-07	1.36E-07
3798	482863.09, 3852377.25	1.22E-03	1.93E-07	6.71E-08	1.32E-03	2.07E-07	7.23E-08	2.07E-03	3.26E-07	1.13E-07
3799	483363.09, 3852377.25	8.11E-04	1.28E-07	4.45E-08	8.73E-04	1.38E-07	4.79E-08	1.36E-03	2.15E-07	7.49E-08
3800	483863.09, 3852377.25	6.35E-04	1.00E-07	3.49E-08	6.84E-04	1.08E-07	3.75E-08	1.07E-03	1.68E-07	5.87E-08
3801	484363.09, 3852377.25	7.05E-04	1.11E-07	3.87E-08	7.60E-04	1.20E-07	4.17E-08	1.19E-03	1.87E-07	6.52E-08
3802	484863.09, 3852377.25	7.52E-04	1.18E-07	4.13E-08	8.10E-04	1.28E-07	4.45E-08	1.27E-03	2.00E-07	6.95E-08
3803	485363.09, 3852377.25	8.03E-04	1.26E-07	4.40E-08	8.64E-04	1.36E-07	4.74E-08	1.35E-03	2.13E-07	7.42E-08
3804	485863.09, 3852377.25	7.51E-04	1.18E-07	4.12E-08	8.10E-04	1.28E-07	4.44E-08	1.27E-03	2.01E-07	6.99E-08
3805	486363.09, 3852377.25	6.67E-04	1.05E-07	3.66E-08	7.19E-04	1.13E-07	3.95E-08	1.14E-03	1.79E-07	6.25E-08
3806	486863.09, 3852377.25	6.75E-04	1.06E-07	3.70E-08	7.28E-04	1.15E-07	4.00E-08	1.16E-03	1.82E-07	6.35E-08
3807	487363.09, 3852377.25	6.66E-04	1.05E-07	3.66E-08	7.20E-04	1.13E-07	3.95E-08	1.15E-03	1.81E-07	6.30E-08
3808	487863.09, 3852377.25	6.65E-04	1.05E-07	3.65E-08	7.18E-04	1.13E-07	3.94E-08	1.15E-03	1.81E-07	6.30E-08
3809	488363.09, 3852377.25	6.62E-04	1.04E-07	3.63E-08	7.15E-04	1.13E-07	3.93E-08	1.14E-03	1.80E-07	6.28E-08
3810	488863.09, 3852377.25	6.52E-04	1.03E-07	3.58E-08	7.04E-04	1.11E-07	3.87E-08	1.13E-03	1.78E-07	6.19E-08
3811	489363.09, 3852377.25	6.54E-04	1.03E-07	3.59E-08	7.07E-04	1.11E-07	3.88E-08	1.13E-03	1.78E-07	6.21E-08
3812	489863.09, 3852377.25	6.30E-04	9.92E-08	3.46E-08	6.80E-04	1.07E-07	3.73E-08	1.09E-03	1.72E-07	5.98E-08
3813	490363.09, 3852377.25	7.04E-04	1.11E-07	3.87E-08	7.61E-04	1.20E-07	4.18E-08	1.22E-03	1.92E-07	6.68E-08
3814	490863.09, 3852377.25	7.65E-04	1.21E-07	4.20E-08	8.26E-04	1.30E-07	4.54E-08	1.32E-03	2.08E-07	7.25E-08
3815	491363.09, 3852377.25	8.93E-04	1.41E-07	4.90E-08	9.65E-04	1.52E-07	5.29E-08	1.54E-03	2.43E-07	8.46E-08
3816	491863.09, 3852377.25	9.23E-04	1.45E-07	5.07E-08	9.97E-04	1.57E-07	5.47E-08	1.59E-03	2.51E-07	8.74E-08
3817	492363.09, 3852377.25	9.36E-04	1.47E-07	5.14E-08	1.01E-03	1.59E-07	5.55E-08	1.61E-03	2.54E-07	8.86E-08
3818	492863.09, 3852377.25	9.92E-04	1.56E-07	5.44E-08	1.07E-03	1.69E-07	5.88E-08	1.71E-03	2.69E-07	9.38E-08
3819	493363.09, 3852377.25	1.09E-03	1.71E-07	5.97E-08	1.17E-03	1.85E-07	6.44E-08	1.87E-03	2.95E-07	1.03E-07
3820	493863.09, 3852377.25	1.08E-03	1.70E-07	5.92E-08	1.16E-03	1.83E-07	6.39E-08	1.86E-03	2.92E-07	1.02E-07
3821	494363.09, 3852377.25	1.07E-03	1.69E-07	5.88E-08	1.16E-03	1.82E-07	6.35E-08	1.85E-03	2.91E-07	1.01E-07
3822	494863.09, 3852377.25	1.12E-03	1.77E-07	6.15E-08	1.21E-03	1.91E-07	6.65E-08	1.93E-03	3.04E-07	1.06E-07
3823	495363.09, 3852377.25	1.17E-03	1.85E-07	6.43E-08	1.27E-03	1.99E-07	6.95E-08	2.02E-03	3.18E-07	1.11E-07
3824	495863.09, 3852377.25	1.13E-03	1.78E-07	6.20E-08	1.22E-03	1.92E-07	6.70E-08	1.95E-03	3.07E-07	1.07E-07
3825	496363.09, 3852377.25	1.08E-03	1.71E-07	5.95E-08	1.17E-03	1.85E-07	6.43E-08	1.87E-03	2.95E-07	1.03E-07
3826	496863.09, 3852377.25	1.05E-03	1.66E-07	5.78E-08	1.14E-03	1.79E-07	6.24E-08	1.82E-03	2.86E-07	9.97E-08
3827	497363.09, 3852377.25	9.63E-04	1.52E-07	5.29E-08	1.04E-03	1.64E-07	5.71E-08	1.66E-03	2.62E-07	9.12E-08
3828	497863.09, 3852377.25	8.78E-04	1.38E-07	4.82E-08	9.48E-04	1.49E-07	5.20E-08	1.51E-03	2.38E-07	8.31E-08
3829	498363.09, 3852377.25	8.00E-04	1.26E-07	4.39E-08	8.65E-04	1.36E-07	4.75E-08	1.38E-03	2.17E-07	7.58E-08
3830	471363.09, 3852877.25	2.79E-04	4.40E-08	1.53E-08	3.02E-04	4.75E-08	1.65E-08	4.80E-04	7.56E-08	2.63E-08
3831	471863.09, 3852877.25	3.10E-04	4.89E-08	1.70E-08	3.35E-04	5.28E-08	1.84E-08	5.33E-04	8.40E-08	2.93E-08
3832	472363.09, 3852877.25	3.45E-04	5.44E-08	1.89E-08	3.73E-04	5.87E-08	2.04E-08	5.93E-04	9.34E-08	3.25E-08
3833	472863.09, 3852877.25	3.74E-04	5.89E-08	2.05E-08	4.04E-04	6.36E-08	2.21E-08	6.42E-04	1.01E-07	3.52E-08
3834	473363.09, 3852877.25	4.05E-04	6.38E-08	2.22E-08	4.37E-04	6.89E-08	2.40E-08	6.95E-04	1.09E-07	3.81E-08
3835	473863.09, 3852877.25	4.45E-04	7.00E-08	2.44E-08	4.80E-04	7.56E-08	2.63E-08	7.63E-04	1.20E-07	4.19E-08
3836	474363.09, 3852877.25	4.84E-04	7.63E-08	2.66E-08	5.23E-04	8.23E-08	2.87E-08	8.30E-04	1.31E-07	4.56E-08

3837	474863.09, 3852877.25	4.55E-04	7.16E-08	2.49E-08	4.91E-04	7.73E-08	2.69E-08	7.80E-04	1.23E-07	4.28E-08
3838	475363.09, 3852877.25	5.03E-04	7.92E-08	2.76E-08	5.42E-04	8.55E-08	2.98E-08	8.62E-04	1.36E-07	4.73E-08
3839	475863.09, 3852877.25	5.23E-04	8.24E-08	2.87E-08	5.64E-04	8.89E-08	3.10E-08	8.96E-04	1.41E-07	4.92E-08
3840	476363.09, 3852877.25	4.99E-04	7.87E-08	2.74E-08	5.39E-04	8.49E-08	2.96E-08	8.56E-04	1.35E-07	4.70E-08
3841	476863.09, 3852877.25	4.47E-04	7.04E-08	2.45E-08	4.82E-04	7.60E-08	2.65E-08	7.65E-04	1.21E-07	4.20E-08
3842	477363.09, 3852877.25	4.15E-04	6.54E-08	2.28E-08	4.48E-04	7.06E-08	2.46E-08	7.12E-04	1.12E-07	3.91E-08
3843	477863.09, 3852877.25	3.84E-04	6.05E-08	2.11E-08	4.14E-04	6.53E-08	2.27E-08	6.59E-04	1.04E-07	3.62E-08
3844	478363.09, 3852877.25	3.21E-04	5.05E-08	1.76E-08	3.47E-04	5.46E-08	1.90E-08	5.53E-04	8.71E-08	3.03E-08
3845	478863.09, 3852877.25	3.80E-04	5.98E-08	2.08E-08	4.10E-04	6.46E-08	2.25E-08	6.54E-04	1.03E-07	3.59E-08
3846	479363.09, 3852877.25	5.29E-04	8.33E-08	2.90E-08	5.71E-04	8.99E-08	3.13E-08	9.07E-04	1.43E-07	4.98E-08
3847	479863.09, 3852877.25	9.99E-04	1.57E-07	5.48E-08	1.08E-03	1.70E-07	5.91E-08	1.71E-03	2.69E-07	9.36E-08
3848	480363.09, 3852877.25	1.44E-03	2.27E-07	7.91E-08	1.56E-03	2.45E-07	8.54E-08	2.46E-03	3.88E-07	1.35E-07
3849	480863.09, 3852877.25	1.53E-03	2.41E-07	8.38E-08	1.65E-03	2.59E-07	9.04E-08	2.60E-03	4.09E-07	1.42E-07
3850	481363.09, 3852877.25	1.90E-03	3.00E-07	1.05E-07	2.05E-03	3.23E-07	1.13E-07	3.23E-03	5.08E-07	1.77E-07
3851	481863.09, 3852877.25	2.32E-03	3.65E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.94E-03	6.20E-07	2.16E-07
3852	482363.09, 3852877.25	2.25E-03	3.54E-07	1.23E-07	2.42E-03	3.81E-07	1.33E-07	3.77E-03	5.94E-07	2.07E-07
3853	482863.09, 3852877.25	2.04E-03	3.22E-07	1.12E-07	2.20E-03	3.47E-07	1.21E-07	3.43E-03	5.41E-07	1.88E-07
3854	483363.09, 3852877.25	1.57E-03	2.47E-07	8.60E-08	1.69E-03	2.66E-07	9.26E-08	2.63E-03	4.15E-07	1.44E-07
3855	483863.09, 3852877.25	1.01E-03	1.58E-07	5.52E-08	1.08E-03	1.70E-07	5.94E-08	1.68E-03	2.65E-07	9.22E-08
3856	484363.09, 3852877.25	1.20E-03	1.88E-07	6.56E-08	1.29E-03	2.03E-07	7.06E-08	2.00E-03	3.15E-07	1.10E-07
3857	484863.09, 3852877.25	1.30E-03	2.05E-07	7.14E-08	1.40E-03	2.21E-07	7.69E-08	2.19E-03	3.44E-07	1.20E-07
3858	485363.09, 3852877.25	9.84E-04	1.55E-07	5.40E-08	1.06E-03	1.67E-07	5.82E-08	1.67E-03	2.63E-07	9.17E-08
3859	485863.09, 3852877.25	9.48E-04	1.49E-07	5.20E-08	1.02E-03	1.61E-07	5.61E-08	1.62E-03	2.56E-07	8.91E-08
3860	486363.09, 3852877.25	9.09E-04	1.43E-07	4.99E-08	9.82E-04	1.55E-07	5.39E-08	1.57E-03	2.47E-07	8.60E-08
3861	486863.09, 3852877.25	9.42E-04	1.48E-07	5.17E-08	1.02E-03	1.60E-07	5.58E-08	1.63E-03	2.56E-07	8.93E-08
3862	487363.09, 3852877.25	9.27E-04	1.46E-07	5.09E-08	1.00E-03	1.58E-07	5.50E-08	1.61E-03	2.53E-07	8.81E-08
3863	487863.09, 3852877.25	9.24E-04	1.46E-07	5.07E-08	9.99E-04	1.57E-07	5.48E-08	1.60E-03	2.52E-07	8.78E-08
3864	488363.09, 3852877.25	7.61E-04	1.20E-07	4.18E-08	8.23E-04	1.30E-07	4.52E-08	1.32E-03	2.08E-07	7.25E-08
3865	488863.09, 3852877.25	8.39E-04	1.32E-07	4.61E-08	9.07E-04	1.43E-07	4.98E-08	1.45E-03	2.29E-07	7.98E-08
3866	489363.09, 3852877.25	8.78E-04	1.38E-07	4.82E-08	9.49E-04	1.50E-07	5.21E-08	1.52E-03	2.39E-07	8.34E-08
3867	489863.09, 3852877.25	9.10E-04	1.43E-07	4.99E-08	9.83E-04	1.55E-07	5.39E-08	1.57E-03	2.48E-07	8.63E-08
3868	490363.09, 3852877.25	1.12E-03	1.77E-07	6.15E-08	1.21E-03	1.91E-07	6.65E-08	1.93E-03	3.05E-07	1.06E-07
3869	490863.09, 3852877.25	1.22E-03	1.92E-07	6.71E-08	1.32E-03	2.08E-07	7.24E-08	2.11E-03	3.32E-07	1.16E-07
3870	491363.09, 3852877.25	1.30E-03	2.05E-07	7.14E-08	1.41E-03	2.21E-07	7.72E-08	2.24E-03	3.53E-07	1.23E-07
3871	491863.09, 3852877.25	1.33E-03	2.09E-07	7.28E-08	1.43E-03	2.26E-07	7.87E-08	2.29E-03	3.60E-07	1.25E-07
3872	492363.09, 3852877.25	1.36E-03	2.15E-07	7.48E-08	1.47E-03	2.32E-07	8.08E-08	2.35E-03	3.70E-07	1.29E-07
3873	492863.09, 3852877.25	1.45E-03	2.28E-07	7.95E-08	1.56E-03	2.46E-07	8.59E-08	2.49E-03	3.93E-07	1.37E-07
3874	493363.09, 3852877.25	1.50E-03	2.37E-07	8.26E-08	1.62E-03	2.56E-07	8.92E-08	2.59E-03	4.08E-07	1.42E-07
3875	493863.09, 3852877.25	1.49E-03	2.34E-07	8.16E-08	1.60E-03	2.53E-07	8.81E-08	2.56E-03	4.03E-07	1.40E-07
3876	494363.09, 3852877.25	1.47E-03	2.32E-07	8.08E-08	1.59E-03	2.51E-07	8.73E-08	2.54E-03	3.99E-07	1.39E-07
3877	494863.09, 3852877.25	1.48E-03	2.34E-07	8.14E-08	1.60E-03	2.52E-07	8.79E-08	2.55E-03	4.02E-07	1.40E-07
3878	495363.09, 3852877.25	1.41E-03	2.22E-07	7.72E-08	1.52E-03	2.39E-07	8.34E-08	2.42E-03	3.82E-07	1.33E-07
3879	495863.09, 3852877.25	1.33E-03	2.10E-07	7.31E-08	1.44E-03	2.27E-07	7.89E-08	2.29E-03	3.61E-07	1.26E-07
3880	496363.09, 3852877.25	1.31E-03	2.06E-07	7.16E-08	1.41E-03	2.22E-07	7.74E-08	2.25E-03	3.54E-07	1.23E-07
3881	496863.09, 3852877.25	1.25E-03	1.96E-07	6.85E-08	1.35E-03	2.12E-07	7.39E-08	2.15E-03	3.39E-07	1.18E-07
3882	497363.09, 3852877.25	1.08E-03	1.71E-07	5.94E-08	1.17E-03	1.84E-07	6.42E-08	1.87E-03	2.94E-07	1.02E-07
3883	497863.09, 3852877.25	8.50E-04	1.34E-07	4.67E-08	9.18E-04	1.45E-07	5.04E-08	1.47E-03	2.31E-07	8.04E-08
3884	498363.09, 3852877.25	8.03E-04	1.26E-07	4.41E-08	8.67E-04	1.37E-07	4.76E-08	1.38E-03	2.18E-07	7.60E-08
3885	471363.09, 3853377.25	2.88E-04	4.54E-08	1.58E-08	3.11E-04	4.90E-08	1.71E-08	4.95E-04	7.79E-08	2.72E-08
3886	471863.09, 3853377.25	3.15E-04	4.96E-08	1.73E-08	3.40E-04	5.36E-08	1.87E-08	5.41E-04	8.52E-08	2.97E-08
3887	472363.09, 3853377.25	3.45E-04	5.43E-08	1.89E-08	3.72E-04	5.87E-08	2.04E-08	5.92E-04	9.33E-08	3.25E-08
3888	472863.09, 3853377.25	3.76E-04	5.92E-08	2.06E-08	4.06E-04	6.39E-08	2.23E-08	6.45E-04	1.02E-07	3.54E-08
3889	473363.09, 3853377.25	4.02E-04	6.33E-08	2.21E-08	4.34E-04	6.84E-08	2.38E-08	6.90E-04	1.09E-07	3.79E-08
3890	473863.09, 3853377.25	4.32E-04	6.80E-08	2.37E-08	4.66E-04	7.35E-08	2.56E-08	7.41E-04	1.17E-07	4.07E-08
3891	474363.09, 3853377.25	4.62E-04	7.28E-08	2.54E-08	4.99E-04	7.86E-08	2.74E-08	7.93E-04	1.25E-07	4.35E-08
3892	474863.09, 3853377.25	4.59E-04	7.23E-08	2.52E-08	4.95E-04	7.80E-08	2.72E-08	7.86E-04	1.24E-07	4.32E-08
3893	475363.09, 3853377.25	4.66E-04	7.34E-08	2.56E-08	5.03E-04	7.92E-08	2.76E-08	7.98E-04	1.26E-07	4.38E-08
3894	475863.09, 3853377.25	4.68E-04	7.37E-08	2.57E-08	5.05E-04	7.95E-08	2.77E-08	8.01E-04	1.26E-07	4.40E-08
3895	476363.09, 3853377.25	4.34E-04	6.83E-08	2.38E-08	4.68E-04	7.38E-08	2.57E-08	7.43E-04	1.17E-07	4.08E-08
3896	476863.09, 3853377.25	3.73E-04	5.88E-08	2.05E-08	4.03E-04	6.35E-08	2.21E-08	6.41E-04	1.01E-07	3.52E-08
3897	477363.09, 3853377.25	3.71E-04	5.84E-08	2.04E-08	4.00E-04	6.31E-08	2.20E-08	6.37E-04	1.00E-07	3.50E-08
3898	477863.09, 3853377.25	3.88E-04	6.12E-08	2.13E-08	4.19E-04	6.60E-08	2.30E-08	6.67E-04	1.05E-07	3.66E-08
3899	478363.09, 3853377.25	3.52E-04	5.55E-08	1.93E-08	3.80E-04	5.99E-08	2.09E-08	6.06E-04	9.55E-08	3.33E-08
3900	478863.09, 3853377.25	2.95E-04	4.65E-08	1.62E-08	3.19E-04	5.03E-08	1.75E-08	5.11E-04	8.05E-08	2.80E-08

3901	479363.09, 3853377.25	4.65E-04	7.33E-08	2.55E-08	5.03E-04	7.92E-08	2.76E-08	8.01E-04	1.26E-07	4.40E-08
3902	479863.09, 3853377.25	7.10E-04	1.12E-07	3.89E-08	7.66E-04	1.21E-07	4.20E-08	1.22E-03	1.92E-07	6.68E-08
3903	480363.09, 3853377.25	1.36E-03	2.14E-07	7.44E-08	1.46E-03	2.31E-07	8.03E-08	2.32E-03	3.66E-07	1.28E-07
3904	480863.09, 3853377.25	1.39E-03	2.20E-07	7.65E-08	1.50E-03	2.37E-07	8.25E-08	2.38E-03	3.75E-07	1.31E-07
3905	481363.09, 3853377.25	2.08E-03	3.27E-07	1.14E-07	2.24E-03	3.53E-07	1.23E-07	3.55E-03	5.59E-07	1.95E-07
3906	481863.09, 3853377.25	2.91E-03	4.59E-07	1.60E-07	3.14E-03	4.94E-07	1.72E-07	4.94E-03	7.78E-07	2.71E-07
3907	482363.09, 3853377.25	3.72E-03	5.87E-07	2.04E-07	4.01E-03	6.31E-07	2.20E-07	6.24E-03	9.84E-07	3.43E-07
3908	482863.09, 3853377.25	3.88E-03	6.12E-07	2.13E-07	4.16E-03	6.55E-07	2.28E-07	6.22E-03	9.80E-07	3.41E-07
3909	483363.09, 3853377.25	3.25E-03	5.12E-07	1.78E-07	3.48E-03	5.48E-07	1.91E-07	5.15E-03	8.11E-07	2.82E-07
3910	483863.09, 3853377.25	2.69E-03	4.24E-07	1.48E-07	2.89E-03	4.55E-07	1.59E-07	4.39E-03	6.91E-07	2.41E-07
3911	484363.09, 3853377.25	2.65E-03	4.18E-07	1.45E-07	2.85E-03	4.49E-07	1.57E-07	4.44E-03	6.99E-07	2.44E-07
3912	484863.09, 3853377.25	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.51E-07	1.22E-07	3.52E-03	5.55E-07	1.93E-07
3913	485363.09, 3853377.25	1.49E-03	2.35E-07	8.19E-08	1.61E-03	2.54E-07	8.86E-08	2.58E-03	4.07E-07	1.42E-07
3914	485863.09, 3853377.25	1.26E-03	1.99E-07	6.93E-08	1.37E-03	2.15E-07	7.49E-08	2.20E-03	3.46E-07	1.21E-07
3915	486363.09, 3853377.25	1.37E-03	2.15E-07	7.50E-08	1.48E-03	2.33E-07	8.11E-08	2.38E-03	3.74E-07	1.30E-07
3916	486863.09, 3853377.25	1.43E-03	2.25E-07	7.84E-08	1.54E-03	2.43E-07	8.48E-08	2.48E-03	3.91E-07	1.36E-07
3917	487363.09, 3853377.25	1.54E-03	2.43E-07	8.47E-08	1.67E-03	2.63E-07	9.15E-08	2.67E-03	4.21E-07	1.47E-07
3918	487863.09, 3853377.25	1.62E-03	2.55E-07	8.87E-08	1.75E-03	2.75E-07	9.58E-08	2.79E-03	4.40E-07	1.53E-07
3919	488363.09, 3853377.25	1.71E-03	2.70E-07	9.40E-08	1.85E-03	2.92E-07	1.02E-07	2.96E-03	4.66E-07	1.62E-07
3920	488863.09, 3853377.25	1.72E-03	2.72E-07	9.46E-08	1.86E-03	2.93E-07	1.02E-07	2.97E-03	4.68E-07	1.63E-07
3921	489363.09, 3853377.25	1.73E-03	2.72E-07	9.49E-08	1.87E-03	2.94E-07	1.02E-07	2.98E-03	4.69E-07	1.63E-07
3922	489863.09, 3853377.25	1.68E-03	2.65E-07	9.25E-08	1.82E-03	2.87E-07	9.99E-08	2.90E-03	4.57E-07	1.59E-07
3923	490363.09, 3853377.25	1.78E-03	2.81E-07	9.77E-08	1.92E-03	3.03E-07	1.06E-07	3.07E-03	4.83E-07	1.68E-07
3924	490863.09, 3853377.25	1.83E-03	2.88E-07	1.00E-07	1.97E-03	3.11E-07	1.08E-07	3.14E-03	4.95E-07	1.72E-07
3925	491363.09, 3853377.25	1.87E-03	2.95E-07	1.03E-07	2.02E-03	3.18E-07	1.11E-07	3.22E-03	5.07E-07	1.77E-07
3926	491863.09, 3853377.25	1.90E-03	3.00E-07	1.04E-07	2.05E-03	3.24E-07	1.13E-07	3.27E-03	5.16E-07	1.80E-07
3927	492363.09, 3853377.25	1.98E-03	3.11E-07	1.08E-07	2.13E-03	3.36E-07	1.17E-07	3.40E-03	5.36E-07	1.87E-07
3928	492863.09, 3853377.25	2.04E-03	3.21E-07	1.12E-07	2.20E-03	3.47E-07	1.21E-07	3.51E-03	5.53E-07	1.93E-07
3929	493363.09, 3853377.25	2.03E-03	3.20E-07	1.11E-07	2.19E-03	3.45E-07	1.20E-07	3.49E-03	5.50E-07	1.92E-07
3930	493863.09, 3853377.25	1.99E-03	3.14E-07	1.09E-07	2.15E-03	3.39E-07	1.18E-07	3.43E-03	5.41E-07	1.88E-07
3931	494363.09, 3853377.25	1.90E-03	3.00E-07	1.04E-07	2.05E-03	3.24E-07	1.13E-07	3.28E-03	5.16E-07	1.80E-07
3932	494863.09, 3853377.25	1.78E-03	2.81E-07	9.79E-08	1.93E-03	3.04E-07	1.06E-07	3.07E-03	4.84E-07	1.69E-07
3933	495363.09, 3853377.25	1.72E-03	2.71E-07	9.46E-08	1.86E-03	2.93E-07	1.02E-07	2.97E-03	4.68E-07	1.63E-07
3934	495863.09, 3853377.25	1.63E-03	2.57E-07	8.94E-08	1.76E-03	2.77E-07	9.65E-08	2.81E-03	4.42E-07	1.54E-07
3935	496363.09, 3853377.25	1.50E-03	2.37E-07	8.25E-08	1.62E-03	2.56E-07	8.92E-08	2.59E-03	4.08E-07	1.42E-07
3936	496863.09, 3853377.25	1.33E-03	2.09E-07	7.30E-08	1.44E-03	2.26E-07	7.88E-08	2.29E-03	3.61E-07	1.26E-07
3937	497363.09, 3853377.25	1.13E-03	1.78E-07	6.19E-08	1.22E-03	1.92E-07	6.69E-08	1.94E-03	3.06E-07	1.07E-07
3938	497863.09, 3853377.25	7.99E-04	1.26E-07	4.38E-08	8.63E-04	1.36E-07	4.74E-08	1.38E-03	2.17E-07	7.56E-08
3939	498363.09, 3853377.25	6.47E-04	1.02E-07	3.55E-08	6.99E-04	1.10E-07	3.84E-08	1.12E-03	1.76E-07	6.12E-08
3940	471363.09, 3853877.25	2.99E-04	4.71E-08	1.64E-08	3.23E-04	5.08E-08	1.77E-08	5.14E-04	8.09E-08	2.82E-08
3941	471863.09, 3853877.25	3.29E-04	5.18E-08	1.80E-08	3.55E-04	5.59E-08	1.95E-08	5.65E-04	8.89E-08	3.10E-08
3942	472363.09, 3853877.25	3.48E-04	5.49E-08	1.91E-08	3.76E-04	5.92E-08	2.06E-08	5.99E-04	9.43E-08	3.29E-08
3943	472863.09, 3853877.25	3.75E-04	5.90E-08	2.06E-08	4.05E-04	6.37E-08	2.22E-08	6.44E-04	1.01E-07	3.53E-08
3944	473363.09, 3853877.25	3.93E-04	6.20E-08	2.16E-08	4.25E-04	6.69E-08	2.33E-08	6.76E-04	1.06E-07	3.71E-08
3945	473863.09, 3853877.25	4.15E-04	6.54E-08	2.28E-08	4.48E-04	7.06E-08	2.46E-08	7.13E-04	1.12E-07	3.91E-08
3946	474363.09, 3853877.25	4.47E-04	7.04E-08	2.45E-08	4.82E-04	7.60E-08	2.65E-08	7.67E-04	1.21E-07	4.21E-08
3947	474863.09, 3853877.25	4.73E-04	7.45E-08	2.60E-08	5.11E-04	8.05E-08	2.80E-08	8.12E-04	1.28E-07	4.46E-08
3948	475363.09, 3853877.25	4.63E-04	7.29E-08	2.54E-08	5.00E-04	7.87E-08	2.74E-08	7.94E-04	1.25E-07	4.36E-08
3949	475863.09, 3853877.25	4.04E-04	6.36E-08	2.22E-08	4.36E-04	6.87E-08	2.39E-08	6.93E-04	1.09E-07	3.80E-08
3950	476363.09, 3853877.25	3.51E-04	5.53E-08	1.93E-08	3.79E-04	5.98E-08	2.08E-08	6.04E-04	9.51E-08	3.31E-08
3951	476863.09, 3853877.25	2.92E-04	4.60E-08	1.60E-08	3.15E-04	4.97E-08	1.73E-08	5.03E-04	7.93E-08	2.76E-08
3952	477363.09, 3853877.25	3.19E-04	5.02E-08	1.75E-08	3.44E-04	5.42E-08	1.89E-08	5.49E-04	8.65E-08	3.01E-08
3953	477863.09, 3853877.25	3.65E-04	5.75E-08	2.00E-08	3.94E-04	6.21E-08	2.16E-08	6.28E-04	9.90E-08	3.45E-08
3954	478363.09, 3853877.25	3.91E-04	6.15E-08	2.14E-08	4.22E-04	6.64E-08	2.31E-08	6.72E-04	1.06E-07	3.69E-08
3955	478863.09, 3853877.25	3.06E-04	4.82E-08	1.68E-08	3.31E-04	5.21E-08	1.81E-08	5.29E-04	8.33E-08	2.90E-08
3956	479363.09, 3853877.25	4.09E-04	6.44E-08	2.24E-08	4.41E-04	6.95E-08	2.42E-08	7.05E-04	1.11E-07	3.87E-08
3957	479863.09, 3853877.25	7.26E-04	1.14E-07	3.99E-08	7.84E-04	1.23E-07	4.30E-08	1.25E-03	1.96E-07	6.84E-08
3958	480363.09, 3853877.25	1.10E-03	1.73E-07	6.03E-08	1.19E-03	1.87E-07	6.51E-08	1.88E-03	2.96E-07	1.03E-07
3959	480863.09, 3853877.25	1.99E-03	3.13E-07	1.09E-07	2.15E-03	3.38E-07	1.18E-07	3.41E-03	5.38E-07	1.87E-07
3960	481363.09, 3853877.25	2.85E-03	4.49E-07	1.56E-07	3.08E-03	4.85E-07	1.69E-07	4.90E-03	7.73E-07	2.69E-07
3961	481863.09, 3853877.25	4.10E-03	6.46E-07	2.25E-07	4.43E-03	6.97E-07	2.43E-07	7.05E-03	1.11E-06	3.87E-07
3962	482363.09, 3853877.25	6.10E-03	9.62E-07	3.35E-07	6.59E-03	1.04E-06	3.62E-07	1.05E-02	1.66E-06	5.77E-07
3963	482863.09, 3853877.25	2.88E-02	4.54E-06	1.58E-06	3.15E-02	4.96E-06	1.73E-06	5.46E-02	8.59E-06	2.99E-06
3964	483363.09, 3853877.25	1.11E-02	1.75E-06	6.09E-07	1.20E-02	1.89E-06	6.58E-07	1.93E-02	3.03E-06	1.06E-06

3965	483863.09, 3853877.25	7.82E-03	1.23E-06	4.29E-07	8.47E-03	1.33E-06	4.65E-07	1.37E-02	2.16E-06	7.52E-07
3966	484363.09, 3853877.25	5.25E-03	8.26E-07	2.88E-07	5.68E-03	8.95E-07	3.12E-07	9.21E-03	1.45E-06	5.06E-07
3967	484863.09, 3853877.25	3.62E-03	5.71E-07	1.99E-07	3.92E-03	6.18E-07	2.15E-07	6.38E-03	1.01E-06	3.50E-07
3968	485363.09, 3853877.25	2.54E-03	4.00E-07	1.40E-07	2.75E-03	4.34E-07	1.51E-07	4.48E-03	7.05E-07	2.46E-07
3969	485863.09, 3853877.25	2.73E-03	4.31E-07	1.50E-07	2.96E-03	4.66E-07	1.62E-07	4.78E-03	7.53E-07	2.62E-07
3970	486363.09, 3853877.25	2.67E-03	4.21E-07	1.47E-07	2.89E-03	4.55E-07	1.58E-07	4.64E-03	7.31E-07	2.55E-07
3971	486863.09, 3853877.25	2.54E-03	4.00E-07	1.39E-07	2.75E-03	4.32E-07	1.51E-07	4.40E-03	6.94E-07	2.42E-07
3972	487363.09, 3853877.25	2.61E-03	4.12E-07	1.43E-07	2.82E-03	4.45E-07	1.55E-07	4.51E-03	7.11E-07	2.48E-07
3973	487863.09, 3853877.25	2.85E-03	4.49E-07	1.56E-07	3.08E-03	4.85E-07	1.69E-07	4.91E-03	7.73E-07	2.69E-07
3974	488363.09, 3853877.25	2.90E-03	4.57E-07	1.59E-07	3.13E-03	4.94E-07	1.72E-07	4.99E-03	7.87E-07	2.74E-07
3975	488863.09, 3853877.25	3.03E-03	4.78E-07	1.66E-07	3.27E-03	5.16E-07	1.80E-07	5.21E-03	8.21E-07	2.86E-07
3976	489363.09, 3853877.25	2.84E-03	4.48E-07	1.56E-07	3.07E-03	4.83E-07	1.68E-07	4.88E-03	7.69E-07	2.68E-07
3977	489863.09, 3853877.25	2.85E-03	4.49E-07	1.56E-07	3.08E-03	4.85E-07	1.69E-07	4.90E-03	7.71E-07	2.69E-07
3978	490363.09, 3853877.25	2.76E-03	4.35E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.75E-03	7.48E-07	2.61E-07
3979	490863.09, 3853877.25	2.74E-03	4.31E-07	1.50E-07	2.95E-03	4.65E-07	1.62E-07	4.70E-03	7.41E-07	2.58E-07
3980	491363.09, 3853877.25	2.72E-03	4.29E-07	1.49E-07	2.94E-03	4.63E-07	1.61E-07	4.68E-03	7.38E-07	2.57E-07
3981	491863.09, 3853877.25	2.70E-03	4.25E-07	1.48E-07	2.92E-03	4.59E-07	1.60E-07	4.64E-03	7.32E-07	2.55E-07
3982	492363.09, 3853877.25	2.77E-03	4.36E-07	1.52E-07	2.99E-03	4.71E-07	1.64E-07	4.76E-03	7.50E-07	2.61E-07
3983	492863.09, 3853877.25	2.76E-03	4.35E-07	1.52E-07	2.98E-03	4.70E-07	1.64E-07	4.75E-03	7.49E-07	2.61E-07
3984	493363.09, 3853877.25	2.66E-03	4.19E-07	1.46E-07	2.88E-03	4.53E-07	1.58E-07	4.58E-03	7.22E-07	2.52E-07
3985	493863.09, 3853877.25	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.36E-03	6.86E-07	2.39E-07
3986	494363.09, 3853877.25	2.42E-03	3.82E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.18E-03	6.58E-07	2.29E-07
3987	494863.09, 3853877.25	2.27E-03	3.57E-07	1.24E-07	2.45E-03	3.86E-07	1.34E-07	3.91E-03	6.15E-07	2.14E-07
3988	495363.09, 3853877.25	1.97E-03	3.10E-07	1.08E-07	2.12E-03	3.35E-07	1.17E-07	3.39E-03	5.34E-07	1.86E-07
3989	495863.09, 3853877.25	1.74E-03	2.74E-07	9.56E-08	1.88E-03	2.96E-07	1.03E-07	3.00E-03	4.73E-07	1.65E-07
3990	496363.09, 3853877.25	1.60E-03	2.52E-07	8.77E-08	1.73E-03	2.72E-07	9.47E-08	2.75E-03	4.34E-07	1.51E-07
3991	496863.09, 3853877.25	1.37E-03	2.15E-07	7.49E-08	1.47E-03	2.32E-07	8.10E-08	2.35E-03	3.71E-07	1.29E-07
3992	497363.09, 3853877.25	1.18E-03	1.87E-07	6.50E-08	1.28E-03	2.02E-07	7.02E-08	2.04E-03	3.22E-07	1.12E-07
3993	497863.09, 3853877.25	9.58E-04	1.51E-07	5.26E-08	1.03E-03	1.63E-07	5.68E-08	1.65E-03	2.60E-07	9.06E-08
3994	498363.09, 3853877.25	8.27E-04	1.30E-07	4.54E-08	8.93E-04	1.41E-07	4.90E-08	1.43E-03	2.24E-07	7.82E-08
3995	471363.09, 3854377.25	3.10E-04	4.89E-08	1.70E-08	3.35E-04	5.28E-08	1.84E-08	5.33E-04	8.39E-08	2.92E-08
3996	471863.09, 3854377.25	3.42E-04	5.38E-08	1.88E-08	3.69E-04	5.81E-08	2.03E-08	5.87E-04	9.25E-08	3.22E-08
3997	472363.09, 3854377.25	3.65E-04	5.74E-08	2.00E-08	3.94E-04	6.20E-08	2.16E-08	6.26E-04	9.86E-08	3.44E-08
3998	472863.09, 3854377.25	3.82E-04	6.01E-08	2.09E-08	4.12E-04	6.49E-08	2.26E-08	6.55E-04	1.03E-07	3.60E-08
3999	473363.09, 3854377.25	4.07E-04	6.41E-08	2.23E-08	4.39E-04	6.92E-08	2.41E-08	6.98E-04	1.10E-07	3.83E-08
4000	473863.09, 3854377.25	4.39E-04	6.91E-08	2.41E-08	4.74E-04	7.46E-08	2.60E-08	7.52E-04	1.19E-07	4.13E-08
4001	474363.09, 3854377.25	4.73E-04	7.46E-08	2.60E-08	5.11E-04	8.05E-08	2.80E-08	8.12E-04	1.28E-07	4.46E-08
4002	474863.09, 3854377.25	4.56E-04	7.18E-08	2.50E-08	4.92E-04	7.75E-08	2.70E-08	7.82E-04	1.23E-07	4.29E-08
4003	475363.09, 3854377.25	3.98E-04	6.27E-08	2.19E-08	4.30E-04	6.77E-08	2.36E-08	6.83E-04	1.08E-07	3.75E-08
4004	475863.09, 3854377.25	2.95E-04	4.65E-08	1.62E-08	3.19E-04	5.02E-08	1.75E-08	5.08E-04	8.00E-08	2.79E-08
4005	476363.09, 3854377.25	2.78E-04	4.38E-08	1.52E-08	3.00E-04	4.73E-08	1.65E-08	4.78E-04	7.53E-08	2.62E-08
4006	476863.09, 3854377.25	2.77E-04	4.37E-08	1.52E-08	3.00E-04	4.72E-08	1.64E-08	4.78E-04	7.53E-08	2.62E-08
4007	477363.09, 3854377.25	2.84E-04	4.47E-08	1.56E-08	3.06E-04	4.83E-08	1.68E-08	4.89E-04	7.70E-08	2.68E-08
4008	477863.09, 3854377.25	2.96E-04	4.66E-08	1.62E-08	3.20E-04	5.03E-08	1.75E-08	5.10E-04	8.04E-08	2.80E-08
4009	478363.09, 3854377.25	3.45E-04	5.43E-08	1.89E-08	3.72E-04	5.87E-08	2.04E-08	5.94E-04	9.35E-08	3.26E-08
4010	478863.09, 3854377.25	3.80E-04	5.99E-08	2.09E-08	4.10E-04	6.47E-08	2.25E-08	6.54E-04	1.03E-07	3.59E-08
4011	479363.09, 3854377.25	5.63E-04	8.88E-08	3.09E-08	6.08E-04	9.58E-08	3.34E-08	9.68E-04	1.52E-07	5.31E-08
4012	479863.09, 3854377.25	7.36E-04	1.16E-07	4.04E-08	7.95E-04	1.25E-07	4.36E-08	1.26E-03	1.99E-07	6.93E-08
4013	480363.09, 3854377.25	1.06E-03	1.68E-07	5.84E-08	1.15E-03	1.81E-07	6.30E-08	1.82E-03	2.87E-07	9.99E-08
4014	480863.09, 3854377.25	1.81E-03	2.86E-07	9.95E-08	1.96E-03	3.08E-07	1.07E-07	3.09E-03	4.87E-07	1.70E-07
4015	481363.09, 3854377.25	3.06E-03	4.82E-07	1.68E-07	3.30E-03	5.21E-07	1.81E-07	5.24E-03	8.26E-07	2.88E-07
4016	481863.09, 3854377.25	5.49E-03	8.64E-07	3.01E-07	5.93E-03	9.34E-07	3.26E-07	9.51E-03	1.50E-06	5.22E-07
4017	482363.09, 3854377.25	8.76E-03	1.38E-06	4.81E-07	9.48E-03	1.49E-06	5.20E-07	1.54E-02	2.42E-06	8.43E-07
4018	482863.09, 3854377.25	3.48E-02	5.49E-06	1.91E-06	3.78E-02	5.96E-06	2.08E-06	6.29E-02	9.91E-06	3.45E-06
4019	483363.09, 3854377.25	3.77E-02	5.93E-06	2.07E-06	4.11E-02	6.47E-06	2.26E-06	7.02E-02	1.11E-05	3.85E-06
4020	483863.09, 3854377.25	1.56E-02	2.46E-06	8.56E-07	1.69E-02	2.67E-06	9.29E-07	2.80E-02	4.40E-06	1.53E-06
4021	484363.09, 3854377.25	9.01E-03	1.42E-06	4.94E-07	9.76E-03	1.54E-06	5.36E-07	1.59E-02	2.51E-06	8.75E-07
4022	484863.09, 3854377.25	6.13E-03	9.66E-07	3.37E-07	6.64E-03	1.05E-06	3.64E-07	1.08E-02	1.69E-06	5.90E-07
4023	485363.09, 3854377.25	6.55E-03	1.03E-06	3.59E-07	7.08E-03	1.11E-06	3.88E-07	1.13E-02	1.79E-06	6.23E-07
4024	485863.09, 3854377.25	5.11E-03	8.05E-07	2.81E-07	5.52E-03	8.70E-07	3.03E-07	8.83E-03	1.39E-06	4.84E-07
4025	486363.09, 3854377.25	5.08E-03	8.01E-07	2.79E-07	5.49E-03	8.65E-07	3.01E-07	8.74E-03	1.38E-06	4.80E-07
4026	486863.09, 3854377.25	4.60E-03	7.25E-07	2.53E-07	4.97E-03	7.83E-07	2.73E-07	7.90E-03	1.24E-06	4.34E-07
4027	487363.09, 3854377.25	4.58E-03	7.21E-07	2.51E-07	4.94E-03	7.78E-07	2.71E-07	7.84E-03	1.24E-06	4.31E-07
4028	487863.09, 3854377.25	4.72E-03	7.44E-07	2.59E-07	5.10E-03	8.03E-07	2.80E-07	8.09E-03	1.27E-06	4.44E-07

4029	488363.09, 3854377.25	4.71E-03	7.42E-07	2.58E-07	5.08E-03	8.00E-07	2.79E-07	8.07E-03	1.27E-06	4.43E-07
4030	488863.09, 3854377.25	4.65E-03	7.33E-07	2.55E-07	5.02E-03	7.91E-07	2.76E-07	7.98E-03	1.26E-06	4.38E-07
4031	489363.09, 3854377.25	4.53E-03	7.13E-07	2.48E-07	4.89E-03	7.70E-07	2.68E-07	7.77E-03	1.22E-06	4.26E-07
4032	489863.09, 3854377.25	4.34E-03	6.84E-07	2.38E-07	4.69E-03	7.39E-07	2.57E-07	7.46E-03	1.18E-06	4.09E-07
4033	490363.09, 3854377.25	4.11E-03	6.47E-07	2.26E-07	4.44E-03	6.99E-07	2.44E-07	7.06E-03	1.11E-06	3.87E-07
4034	490863.09, 3854377.25	3.38E-03	5.32E-07	1.85E-07	3.64E-03	5.74E-07	2.00E-07	5.79E-03	9.13E-07	3.18E-07
4035	491363.09, 3854377.25	3.61E-03	5.68E-07	1.98E-07	3.89E-03	6.14E-07	2.14E-07	6.20E-03	9.76E-07	3.40E-07
4036	491863.09, 3854377.25	3.74E-03	5.89E-07	2.05E-07	4.04E-03	6.36E-07	2.22E-07	6.43E-03	1.01E-06	3.53E-07
4037	492363.09, 3854377.25	3.71E-03	5.85E-07	2.04E-07	4.01E-03	6.32E-07	2.20E-07	6.39E-03	1.01E-06	3.51E-07
4038	492863.09, 3854377.25	3.56E-03	5.61E-07	1.95E-07	3.84E-03	6.05E-07	2.11E-07	6.13E-03	9.65E-07	3.36E-07
4039	493363.09, 3854377.25	3.34E-03	5.26E-07	1.83E-07	3.61E-03	5.68E-07	1.98E-07	5.75E-03	9.06E-07	3.16E-07
4040	493863.09, 3854377.25	3.12E-03	4.91E-07	1.71E-07	3.37E-03	5.31E-07	1.85E-07	5.37E-03	8.46E-07	2.95E-07
4041	494363.09, 3854377.25	2.91E-03	4.59E-07	1.60E-07	3.15E-03	4.96E-07	1.73E-07	5.02E-03	7.90E-07	2.75E-07
4042	494863.09, 3854377.25	2.39E-03	3.76E-07	1.31E-07	2.58E-03	4.06E-07	1.42E-07	4.11E-03	6.48E-07	2.26E-07
4043	495363.09, 3854377.25	1.92E-03	3.02E-07	1.05E-07	2.07E-03	3.26E-07	1.14E-07	3.30E-03	5.20E-07	1.81E-07
4044	495863.09, 3854377.25	1.63E-03	2.56E-07	8.92E-08	1.76E-03	2.77E-07	9.64E-08	2.80E-03	4.41E-07	1.54E-07
4045	496363.09, 3854377.25	1.48E-03	2.34E-07	8.14E-08	1.60E-03	2.52E-07	8.80E-08	2.56E-03	4.03E-07	1.40E-07
4046	496863.09, 3854377.25	1.31E-03	2.06E-07	7.18E-08	1.41E-03	2.23E-07	7.76E-08	2.25E-03	3.55E-07	1.24E-07
4047	497363.09, 3854377.25	1.06E-03	1.67E-07	5.81E-08	1.14E-03	1.80E-07	6.27E-08	1.82E-03	2.87E-07	1.00E-07
4048	497863.09, 3854377.25	1.07E-03	1.69E-07	5.89E-08	1.16E-03	1.82E-07	6.36E-08	1.85E-03	2.91E-07	1.01E-07
4049	498363.09, 3854377.25	9.36E-04	1.47E-07	5.14E-08	1.01E-03	1.59E-07	5.55E-08	1.61E-03	2.54E-07	8.85E-08
4050	471363.09, 3854877.25	3.16E-04	4.98E-08	1.73E-08	3.41E-04	5.37E-08	1.87E-08	5.42E-04	8.54E-08	2.97E-08
4051	471863.09, 3854877.25	3.42E-04	5.39E-08	1.88E-08	3.69E-04	5.81E-08	2.03E-08	5.86E-04	9.24E-08	3.22E-08
4052	472363.09, 3854877.25	3.65E-04	5.75E-08	2.00E-08	3.94E-04	6.21E-08	2.16E-08	6.26E-04	9.86E-08	3.44E-08
4053	472863.09, 3854877.25	3.76E-04	5.92E-08	2.06E-08	4.06E-04	6.40E-08	2.23E-08	6.45E-04	1.02E-07	3.54E-08
4054	473363.09, 3854877.25	4.13E-04	6.50E-08	2.27E-08	4.46E-04	7.02E-08	2.45E-08	7.08E-04	1.12E-07	3.89E-08
4055	473863.09, 3854877.25	4.50E-04	7.09E-08	2.47E-08	4.86E-04	7.65E-08	2.67E-08	7.72E-04	1.22E-07	4.24E-08
4056	474363.09, 3854877.25	4.98E-04	7.85E-08	2.73E-08	5.38E-04	8.47E-08	2.95E-08	8.55E-04	1.35E-07	4.69E-08
4057	474863.09, 3854877.25	4.18E-04	6.58E-08	2.29E-08	4.51E-04	7.10E-08	2.47E-08	7.16E-04	1.13E-07	3.93E-08
4058	475363.09, 3854877.25	3.35E-04	5.28E-08	1.84E-08	3.62E-04	5.70E-08	1.99E-08	5.75E-04	9.06E-08	3.16E-08
4059	475863.09, 3854877.25	2.69E-04	4.23E-08	1.47E-08	2.90E-04	4.57E-08	1.59E-08	4.61E-04	7.27E-08	2.53E-08
4060	476363.09, 3854877.25	1.94E-04	3.05E-08	1.06E-08	2.09E-04	3.30E-08	1.15E-08	3.34E-04	5.26E-08	1.83E-08
4061	476863.09, 3854877.25	1.96E-04	3.09E-08	1.08E-08	2.12E-04	3.34E-08	1.16E-08	3.39E-04	5.34E-08	1.86E-08
4062	477363.09, 3854877.25	2.37E-04	3.73E-08	1.30E-08	2.55E-04	4.02E-08	1.40E-08	4.08E-04	6.42E-08	2.24E-08
4063	477863.09, 3854877.25	2.77E-04	4.36E-08	1.52E-08	2.99E-04	4.71E-08	1.64E-08	4.77E-04	7.51E-08	2.62E-08
4064	478363.09, 3854877.25	3.66E-04	5.77E-08	2.01E-08	3.96E-04	6.23E-08	2.17E-08	6.30E-04	9.92E-08	3.46E-08
4065	478863.09, 3854877.25	5.14E-04	8.09E-08	2.82E-08	5.54E-04	8.73E-08	3.04E-08	8.81E-04	1.39E-07	4.84E-08
4066	479363.09, 3854877.25	7.25E-04	1.14E-07	3.98E-08	7.83E-04	1.23E-07	4.30E-08	1.24E-03	1.96E-07	6.81E-08
4067	479863.09, 3854877.25	1.02E-03	1.61E-07	5.60E-08	1.10E-03	1.73E-07	6.04E-08	1.74E-03	2.74E-07	9.55E-08
4068	480363.09, 3854877.25	1.38E-03	2.18E-07	7.58E-08	1.49E-03	2.35E-07	8.18E-08	2.35E-03	3.71E-07	1.29E-07
4069	480863.09, 3854877.25	2.24E-03	3.53E-07	1.23E-07	2.42E-03	3.81E-07	1.33E-07	3.82E-03	6.02E-07	2.10E-07
4070	481363.09, 3854877.25	3.19E-03	5.02E-07	1.75E-07	3.44E-03	5.42E-07	1.89E-07	5.44E-03	8.58E-07	2.99E-07
4071	481863.09, 3854877.25	3.55E-03	5.59E-07	1.95E-07	3.83E-03	6.03E-07	2.10E-07	6.04E-03	9.52E-07	3.32E-07
4072	482363.09, 3854877.25	9.14E-03	1.44E-06	5.01E-07	9.88E-03	1.56E-06	5.42E-07	1.59E-02	2.50E-06	8.70E-07
4073	482863.09, 3854877.25	1.88E-02	2.96E-06	1.03E-06	2.03E-02	3.20E-06	1.11E-06	3.27E-02	5.15E-06	1.79E-06
4074	483363.09, 3854877.25	1.06E-01	1.68E-05	5.84E-06	1.15E-01	1.82E-05	6.34E-06	1.90E-01	2.99E-05	1.04E-05
4075	483863.09, 3854877.25	9.44E-02	1.49E-05	5.18E-06	1.01E-01	1.60E-05	5.56E-06	1.55E-01	2.43E-05	8.48E-06
4076	484363.09, 3854877.25	3.09E-02	4.87E-06	1.70E-06	3.32E-02	5.23E-06	1.82E-06	5.14E-02	8.09E-06	2.82E-06
4077	484863.09, 3854877.25	1.95E-02	3.07E-06	1.07E-06	2.10E-02	3.31E-06	1.15E-06	3.29E-02	5.18E-06	1.80E-06
4078	485363.09, 3854877.25	1.45E-02	2.29E-06	7.98E-07	1.57E-02	2.47E-06	8.60E-07	2.46E-02	3.87E-06	1.35E-06
4079	485863.09, 3854877.25	1.13E-02	1.78E-06	6.19E-07	1.22E-02	1.92E-06	6.68E-07	1.91E-02	3.02E-06	1.05E-06
4080	486363.09, 3854877.25	9.20E-03	1.45E-06	5.05E-07	9.92E-03	1.56E-06	5.45E-07	1.57E-02	2.47E-06	8.59E-07
4081	486863.09, 3854877.25	7.95E-03	1.25E-06	4.36E-07	8.58E-03	1.35E-06	4.71E-07	1.35E-02	2.13E-06	7.44E-07
4082	487363.09, 3854877.25	7.63E-03	1.20E-06	4.19E-07	8.24E-03	1.30E-06	4.52E-07	1.30E-02	2.05E-06	7.15E-07
4083	487863.09, 3854877.25	7.35E-03	1.16E-06	4.04E-07	7.93E-03	1.25E-06	4.35E-07	1.26E-02	1.98E-06	6.90E-07
4084	488363.09, 3854877.25	7.13E-03	1.12E-06	3.91E-07	7.69E-03	1.21E-06	4.22E-07	1.22E-02	1.92E-06	6.69E-07
4085	488863.09, 3854877.25	6.98E-03	1.10E-06	3.83E-07	7.53E-03	1.19E-06	4.13E-07	1.20E-02	1.89E-06	6.57E-07
4086	489363.09, 3854877.25	6.61E-03	1.04E-06	3.63E-07	7.14E-03	1.12E-06	3.92E-07	1.14E-02	1.79E-06	6.23E-07
4087	489863.09, 3854877.25	5.97E-03	9.41E-07	3.28E-07	6.45E-03	1.02E-06	3.54E-07	1.03E-02	1.62E-06	5.63E-07
4088	490363.09, 3854877.25	4.50E-03	7.09E-07	2.47E-07	4.86E-03	7.66E-07	2.67E-07	7.72E-03	1.22E-06	4.24E-07
4089	490863.09, 3854877.25	3.29E-03	5.18E-07	1.81E-07	3.55E-03	5.60E-07	1.95E-07	5.64E-03	8.89E-07	3.10E-07
4090	491363.09, 3854877.25	3.46E-03	5.45E-07	1.90E-07	3.74E-03	5.89E-07	2.05E-07	5.94E-03	9.36E-07	3.26E-07
4091	491863.09, 3854877.25	4.80E-03	7.56E-07	2.63E-07	5.18E-03	8.17E-07	2.85E-07	8.26E-03	1.30E-06	4.53E-07
4092	492363.09, 3854877.25	4.70E-03	7.40E-07	2.58E-07	5.07E-03	7.99E-07	2.78E-07	8.09E-03	1.27E-06	4.44E-07

4093	492863.09, 3854877.25	4.38E-03	6.90E-07	2.40E-07	4.73E-03	7.46E-07	2.60E-07	7.55E-03	1.19E-06	4.14E-07
4094	493363.09, 3854877.25	4.01E-03	6.31E-07	2.20E-07	4.33E-03	6.82E-07	2.38E-07	6.91E-03	1.09E-06	3.79E-07
4095	493863.09, 3854877.25	3.70E-03	5.83E-07	2.03E-07	4.00E-03	6.30E-07	2.19E-07	6.38E-03	1.00E-06	3.50E-07
4096	494363.09, 3854877.25	2.86E-03	4.51E-07	1.57E-07	3.09E-03	4.87E-07	1.70E-07	4.92E-03	7.76E-07	2.70E-07
4097	494863.09, 3854877.25	2.13E-03	3.35E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.66E-03	5.77E-07	2.01E-07
4098	495363.09, 3854877.25	1.72E-03	2.71E-07	9.45E-08	1.86E-03	2.93E-07	1.02E-07	2.96E-03	4.67E-07	1.63E-07
4099	495863.09, 3854877.25	1.50E-03	2.36E-07	8.22E-08	1.62E-03	2.55E-07	8.87E-08	2.58E-03	4.06E-07	1.41E-07
4100	496363.09, 3854877.25	1.22E-03	1.93E-07	6.72E-08	1.32E-03	2.08E-07	7.26E-08	2.11E-03	3.32E-07	1.16E-07
4101	496863.09, 3854877.25	1.06E-03	1.67E-07	5.82E-08	1.14E-03	1.80E-07	6.28E-08	1.82E-03	2.87E-07	1.00E-07
4102	497363.09, 3854877.25	1.00E-03	1.58E-07	5.49E-08	1.08E-03	1.70E-07	5.93E-08	1.72E-03	2.71E-07	9.44E-08
4103	497863.09, 3854877.25	1.07E-03	1.68E-07	5.87E-08	1.15E-03	1.82E-07	6.34E-08	1.84E-03	2.90E-07	1.01E-07
4104	498363.09, 3854877.25	1.03E-03	1.62E-07	5.64E-08	1.11E-03	1.75E-07	6.09E-08	1.77E-03	2.78E-07	9.70E-08
4105	471363.09, 3855377.25	3.21E-04	5.05E-08	1.76E-08	3.46E-04	5.46E-08	1.90E-08	5.50E-04	8.67E-08	3.02E-08
4106	471863.09, 3855377.25	3.37E-04	5.31E-08	1.85E-08	3.64E-04	5.73E-08	2.00E-08	5.78E-04	9.10E-08	3.17E-08
4107	472363.09, 3855377.25	3.67E-04	5.78E-08	2.01E-08	3.96E-04	6.23E-08	2.17E-08	6.29E-04	9.90E-08	3.45E-08
4108	472863.09, 3855377.25	3.84E-04	6.06E-08	2.11E-08	4.15E-04	6.54E-08	2.28E-08	6.59E-04	1.04E-07	3.62E-08
4109	473363.09, 3855377.25	4.28E-04	6.75E-08	2.35E-08	4.62E-04	7.28E-08	2.54E-08	7.35E-04	1.16E-07	4.03E-08
4110	473863.09, 3855377.25	4.67E-04	7.36E-08	2.57E-08	5.05E-04	7.95E-08	2.77E-08	8.02E-04	1.26E-07	4.40E-08
4111	474363.09, 3855377.25	5.03E-04	7.93E-08	2.76E-08	5.43E-04	8.56E-08	2.98E-08	8.64E-04	1.36E-07	4.74E-08
4112	474863.09, 3855377.25	4.33E-04	6.82E-08	2.38E-08	4.67E-04	7.36E-08	2.57E-08	7.43E-04	1.17E-07	4.08E-08
4113	475363.09, 3855377.25	2.31E-04	3.64E-08	1.27E-08	2.49E-04	3.93E-08	1.37E-08	3.96E-04	6.24E-08	2.17E-08
4114	475863.09, 3855377.25	1.87E-04	2.95E-08	1.03E-08	2.02E-04	3.18E-08	1.11E-08	3.22E-04	5.07E-08	1.77E-08
4115	476363.09, 3855377.25	2.19E-04	3.45E-08	1.20E-08	2.36E-04	3.72E-08	1.30E-08	3.76E-04	5.92E-08	2.06E-08
4116	476863.09, 3855377.25	2.19E-04	3.45E-08	1.20E-08	2.37E-04	3.73E-08	1.30E-08	3.76E-04	5.93E-08	2.07E-08
4117	477363.09, 3855377.25	2.45E-04	3.86E-08	1.34E-08	2.65E-04	4.17E-08	1.45E-08	4.21E-04	6.63E-08	2.31E-08
4118	477863.09, 3855377.25	3.15E-04	4.97E-08	1.73E-08	3.40E-04	5.36E-08	1.87E-08	5.41E-04	8.52E-08	2.97E-08
4119	478363.09, 3855377.25	4.06E-04	6.40E-08	2.23E-08	4.38E-04	6.91E-08	2.41E-08	6.96E-04	1.10E-07	3.82E-08
4120	478863.09, 3855377.25	5.15E-04	8.11E-08	2.83E-08	5.56E-04	8.75E-08	3.05E-08	8.82E-04	1.39E-07	4.84E-08
4121	479363.09, 3855377.25	6.98E-04	1.10E-07	3.83E-08	7.54E-04	1.19E-07	4.14E-08	1.19E-03	1.88E-07	6.56E-08
4122	479863.09, 3855377.25	9.27E-04	1.46E-07	5.09E-08	1.00E-03	1.58E-07	5.49E-08	1.58E-03	2.50E-07	8.69E-08
4123	480363.09, 3855377.25	1.43E-03	2.26E-07	7.87E-08	1.55E-03	2.44E-07	8.48E-08	2.44E-03	3.85E-07	1.34E-07
4124	480863.09, 3855377.25	2.47E-03	3.89E-07	1.36E-07	2.67E-03	4.20E-07	1.46E-07	4.22E-03	6.65E-07	2.32E-07
4125	481363.09, 3855377.25	4.05E-03	6.39E-07	2.22E-07	4.38E-03	6.89E-07	2.40E-07	6.95E-03	1.09E-06	3.81E-07
4126	481863.09, 3855377.25	5.87E-03	9.25E-07	3.22E-07	6.34E-03	9.99E-07	3.48E-07	1.01E-02	1.59E-06	5.54E-07
4127	482363.09, 3855377.25	7.99E-03	1.26E-06	4.39E-07	8.63E-03	1.36E-06	4.74E-07	1.37E-02	2.16E-06	7.53E-07
4128	482863.09, 3855377.25	1.21E-02	1.90E-06	6.62E-07	1.30E-02	2.05E-06	7.14E-07	2.06E-02	3.25E-06	1.13E-06
4129	483363.09, 3855377.25	2.02E-02	3.19E-06	1.11E-06	2.18E-02	3.43E-06	1.20E-06	3.42E-02	5.39E-06	1.88E-06
4130	483863.09, 3855377.25	8.45E-02	1.33E-05	4.64E-06	9.11E-02	1.44E-05	5.00E-06	1.43E-01	2.26E-05	7.86E-06
4131	484363.09, 3855377.25	1.19E-01	1.87E-05	6.52E-06	1.27E-01	2.01E-05	7.00E-06	1.95E-01	3.07E-05	1.07E-05
4132	484863.09, 3855377.25	5.39E-02	8.48E-06	2.96E-06	5.80E-02	9.13E-06	3.18E-06	9.01E-02	1.42E-05	4.94E-06
4133	485363.09, 3855377.25	3.11E-02	4.90E-06	1.71E-06	3.35E-02	5.28E-06	1.84E-06	5.24E-02	8.25E-06	2.88E-06
4134	485863.09, 3855377.25	2.21E-02	3.49E-06	1.21E-06	2.39E-02	3.76E-06	1.31E-06	3.75E-02	5.90E-06	2.06E-06
4135	486363.09, 3855377.25	1.61E-02	2.54E-06	8.85E-07	1.74E-02	2.74E-06	9.54E-07	2.74E-02	4.31E-06	1.50E-06
4136	486863.09, 3855377.25	1.27E-02	2.00E-06	6.95E-07	1.37E-02	2.15E-06	7.50E-07	2.16E-02	3.40E-06	1.18E-06
4137	487363.09, 3855377.25	1.18E-02	1.86E-06	6.47E-07	1.27E-02	2.01E-06	6.99E-07	2.01E-02	3.17E-06	1.11E-06
4138	487863.09, 3855377.25	1.10E-02	1.73E-06	6.04E-07	1.19E-02	1.87E-06	6.52E-07	1.89E-02	2.97E-06	1.03E-06
4139	488363.09, 3855377.25	1.03E-02	1.63E-06	5.68E-07	1.12E-02	1.76E-06	6.13E-07	1.78E-02	2.80E-06	9.74E-07
4140	488863.09, 3855377.25	9.71E-03	1.53E-06	5.33E-07	1.05E-02	1.65E-06	5.75E-07	1.67E-02	2.63E-06	9.16E-07
4141	489363.09, 3855377.25	8.97E-03	1.41E-06	4.92E-07	9.69E-03	1.53E-06	5.32E-07	1.54E-02	2.43E-06	8.47E-07
4142	489863.09, 3855377.25	8.10E-03	1.28E-06	4.45E-07	8.75E-03	1.38E-06	4.80E-07	1.39E-02	2.20E-06	7.65E-07
4143	490363.09, 3855377.25	7.69E-03	1.21E-06	4.22E-07	8.31E-03	1.31E-06	4.56E-07	1.32E-02	2.09E-06	7.27E-07
4144	490863.09, 3855377.25	4.98E-03	7.84E-07	2.73E-07	5.37E-03	8.46E-07	2.95E-07	8.54E-03	1.35E-06	4.69E-07
4145	491363.09, 3855377.25	4.24E-03	6.67E-07	2.32E-07	4.57E-03	7.20E-07	2.51E-07	7.27E-03	1.15E-06	3.99E-07
4146	491863.09, 3855377.25	5.90E-03	9.30E-07	3.24E-07	6.38E-03	1.00E-06	3.50E-07	1.02E-02	1.60E-06	5.58E-07
4147	492363.09, 3855377.25	5.64E-03	8.88E-07	3.09E-07	6.09E-03	9.59E-07	3.34E-07	9.72E-03	1.53E-06	5.34E-07
4148	492863.09, 3855377.25	5.16E-03	8.13E-07	2.83E-07	5.58E-03	8.78E-07	3.06E-07	8.90E-03	1.40E-06	4.89E-07
4149	493363.09, 3855377.25	4.46E-03	7.03E-07	2.45E-07	4.82E-03	7.60E-07	2.65E-07	7.69E-03	1.21E-06	4.22E-07
4150	493863.09, 3855377.25	3.45E-03	5.43E-07	1.89E-07	3.72E-03	5.86E-07	2.04E-07	5.93E-03	9.35E-07	3.26E-07
4151	494363.09, 3855377.25	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.38E-07	1.52E-07	4.43E-03	6.97E-07	2.43E-07
4152	494863.09, 3855377.25	1.91E-03	3.02E-07	1.05E-07	2.07E-03	3.26E-07	1.13E-07	3.29E-03	5.19E-07	1.81E-07
4153	495363.09, 3855377.25	1.51E-03	2.37E-07	8.27E-08	1.63E-03	2.56E-07	8.93E-08	2.59E-03	4.08E-07	1.42E-07
4154	495863.09, 3855377.25	1.25E-03	1.96E-07	6.84E-08	1.35E-03	2.12E-07	7.38E-08	2.14E-03	3.38E-07	1.18E-07
4155	496363.09, 3855377.25	1.17E-03	1.84E-07	6.41E-08	1.26E-03	1.99E-07	6.92E-08	2.01E-03	3.16E-07	1.10E-07
4156	496863.09, 3855377.25	1.11E-03	1.75E-07	6.09E-08	1.20E-03	1.89E-07	6.58E-08	1.91E-03	3.01E-07	1.05E-07

4157	497363.09, 3855377.25	1.09E-03	1.72E-07	6.00E-08	1.18E-03	1.86E-07	6.48E-08	1.88E-03	2.96E-07	1.03E-07
4158	497863.09, 3855377.25	1.12E-03	1.76E-07	6.14E-08	1.21E-03	1.90E-07	6.63E-08	1.92E-03	3.03E-07	1.06E-07
4159	498363.09, 3855377.25	1.16E-03	1.82E-07	6.34E-08	1.25E-03	1.97E-07	6.85E-08	1.99E-03	3.13E-07	1.09E-07
4160	471363.09, 3855877.25	3.30E-04	5.20E-08	1.81E-08	3.56E-04	5.61E-08	1.96E-08	5.66E-04	8.91E-08	3.11E-08
4161	471863.09, 3855877.25	3.46E-04	5.45E-08	1.90E-08	3.74E-04	5.89E-08	2.05E-08	5.93E-04	9.35E-08	3.26E-08
4162	472363.09, 3855877.25	3.84E-04	6.04E-08	2.11E-08	4.14E-04	6.52E-08	2.27E-08	6.58E-04	1.04E-07	3.61E-08
4163	472863.09, 3855877.25	3.94E-04	6.20E-08	2.16E-08	4.25E-04	6.69E-08	2.33E-08	6.74E-04	1.06E-07	3.70E-08
4164	473363.09, 3855877.25	4.45E-04	7.01E-08	2.44E-08	4.80E-04	7.57E-08	2.64E-08	7.63E-04	1.20E-07	4.19E-08
4165	473863.09, 3855877.25	4.87E-04	7.66E-08	2.67E-08	5.25E-04	8.27E-08	2.88E-08	8.33E-04	1.31E-07	4.57E-08
4166	474363.09, 3855877.25	5.16E-04	8.12E-08	2.83E-08	5.56E-04	8.77E-08	3.05E-08	8.83E-04	1.39E-07	4.85E-08
4167	474863.09, 3855877.25	4.10E-04	6.46E-08	2.25E-08	4.43E-04	6.97E-08	2.43E-08	7.02E-04	1.11E-07	3.85E-08
4168	475363.09, 3855877.25	2.74E-04	4.31E-08	1.50E-08	2.95E-04	4.65E-08	1.62E-08	4.69E-04	7.38E-08	2.57E-08
4169	475863.09, 3855877.25	1.43E-04	2.25E-08	7.84E-09	1.54E-04	2.43E-08	8.47E-09	2.46E-04	3.87E-08	1.35E-08
4170	476363.09, 3855877.25	1.54E-04	2.43E-08	8.48E-09	1.67E-04	2.63E-08	9.15E-09	2.66E-04	4.18E-08	1.46E-08
4171	476863.09, 3855877.25	2.22E-04	3.49E-08	1.22E-08	2.39E-04	3.77E-08	1.31E-08	3.80E-04	5.99E-08	2.09E-08
4172	477363.09, 3855877.25	2.66E-04	4.20E-08	1.46E-08	2.88E-04	4.53E-08	1.58E-08	4.57E-04	7.19E-08	2.51E-08
4173	477863.09, 3855877.25	3.29E-04	5.18E-08	1.81E-08	3.55E-04	5.59E-08	1.95E-08	5.64E-04	8.88E-08	3.09E-08
4174	478363.09, 3855877.25	4.14E-04	6.52E-08	2.27E-08	4.47E-04	7.03E-08	2.45E-08	7.08E-04	1.12E-07	3.88E-08
4175	478863.09, 3855877.25	5.51E-04	8.68E-08	3.02E-08	5.94E-04	9.36E-08	3.26E-08	9.41E-04	1.48E-07	5.17E-08
4176	479363.09, 3855877.25	7.59E-04	1.19E-07	4.16E-08	8.18E-04	1.29E-07	4.49E-08	1.30E-03	2.04E-07	7.11E-08
4177	479863.09, 3855877.25	1.03E-03	1.63E-07	5.66E-08	1.11E-03	1.75E-07	6.11E-08	1.76E-03	2.77E-07	9.66E-08
4178	480363.09, 3855877.25	1.52E-03	2.39E-07	8.34E-08	1.64E-03	2.58E-07	9.00E-08	2.59E-03	4.08E-07	1.42E-07
4179	480863.09, 3855877.25	2.39E-03	3.77E-07	1.31E-07	2.58E-03	4.06E-07	1.42E-07	4.08E-03	6.42E-07	2.24E-07
4180	481363.09, 3855877.25	2.76E-03	4.34E-07	1.51E-07	2.97E-03	4.68E-07	1.63E-07	4.69E-03	7.39E-07	2.57E-07
4181	481863.09, 3855877.25	5.33E-03	8.40E-07	2.93E-07	5.76E-03	9.07E-07	3.16E-07	9.13E-03	1.44E-06	5.01E-07
4182	482363.09, 3855877.25	6.83E-03	1.08E-06	3.75E-07	7.37E-03	1.16E-06	4.04E-07	1.17E-02	1.84E-06	6.41E-07
4183	482863.09, 3855877.25	9.19E-03	1.45E-06	5.04E-07	9.91E-03	1.56E-06	5.44E-07	1.57E-02	2.47E-06	8.59E-07
4184	483363.09, 3855877.25	1.28E-02	2.02E-06	7.03E-07	1.38E-02	2.18E-06	7.58E-07	2.17E-02	3.42E-06	1.19E-06
4185	483863.09, 3855877.25	1.96E-02	3.09E-06	1.08E-06	2.12E-02	3.33E-06	1.16E-06	3.30E-02	5.20E-06	1.81E-06
4186	484363.09, 3855877.25	5.38E-02	8.47E-06	2.95E-06	5.78E-02	9.10E-06	3.17E-06	8.85E-02	1.39E-05	4.86E-06
4187	484863.09, 3855877.25	1.57E-01	2.47E-05	8.60E-06	1.69E-01	2.66E-05	9.28E-06	2.69E-01	4.23E-05	1.47E-05
4188	485363.09, 3855877.25	7.01E-02	1.11E-05	3.85E-06	7.57E-02	1.19E-05	4.16E-06	1.20E-01	1.90E-05	6.60E-06
4189	485863.09, 3855877.25	3.84E-02	6.05E-06	2.11E-06	4.14E-02	6.53E-06	2.27E-06	6.58E-02	1.04E-05	3.61E-06
4190	486363.09, 3855877.25	2.51E-02	3.96E-06	1.38E-06	2.71E-02	4.27E-06	1.49E-06	4.30E-02	6.77E-06	2.36E-06
4191	486863.09, 3855877.25	1.94E-02	3.05E-06	1.06E-06	2.09E-02	3.30E-06	1.15E-06	3.32E-02	5.23E-06	1.82E-06
4192	487363.09, 3855877.25	1.74E-02	2.74E-06	9.54E-07	1.88E-02	2.96E-06	1.03E-06	2.98E-02	4.70E-06	1.64E-06
4193	487863.09, 3855877.25	1.58E-02	2.49E-06	8.66E-07	1.70E-02	2.69E-06	9.35E-07	2.71E-02	4.27E-06	1.49E-06
4194	488363.09, 3855877.25	1.42E-02	2.24E-06	7.79E-07	1.53E-02	2.42E-06	8.42E-07	2.44E-02	3.85E-06	1.34E-06
4195	488863.09, 3855877.25	1.29E-02	2.03E-06	7.07E-07	1.39E-02	2.19E-06	7.64E-07	2.22E-02	3.49E-06	1.22E-06
4196	489363.09, 3855877.25	1.17E-02	1.84E-06	6.40E-07	1.26E-02	1.99E-06	6.92E-07	2.01E-02	3.17E-06	1.10E-06
4197	489863.09, 3855877.25	1.06E-02	1.67E-06	5.80E-07	1.14E-02	1.80E-06	6.27E-07	1.82E-02	2.87E-06	1.00E-06
4198	490363.09, 3855877.25	9.67E-03	1.52E-06	5.31E-07	1.04E-02	1.65E-06	5.73E-07	1.67E-02	2.63E-06	9.15E-07
4199	490863.09, 3855877.25	8.61E-03	1.36E-06	4.73E-07	9.31E-03	1.47E-06	5.11E-07	1.49E-02	2.34E-06	8.16E-07
4200	491363.09, 3855877.25	7.16E-03	1.13E-06	3.93E-07	7.73E-03	1.22E-06	4.24E-07	1.23E-02	1.94E-06	6.77E-07
4201	491863.09, 3855877.25	7.22E-03	1.14E-06	3.96E-07	7.80E-03	1.23E-06	4.28E-07	1.25E-02	1.96E-06	6.84E-07
4202	492363.09, 3855877.25	6.44E-03	1.01E-06	3.54E-07	6.96E-03	1.10E-06	3.82E-07	1.11E-02	1.75E-06	6.10E-07
4203	492863.09, 3855877.25	5.80E-03	9.13E-07	3.18E-07	6.26E-03	9.86E-07	3.44E-07	1.00E-02	1.58E-06	5.49E-07
4204	493363.09, 3855877.25	4.42E-03	6.96E-07	2.43E-07	4.77E-03	7.52E-07	2.62E-07	7.62E-03	1.20E-06	4.18E-07
4205	493863.09, 3855877.25	3.15E-03	4.96E-07	1.73E-07	3.40E-03	5.36E-07	1.87E-07	5.42E-03	8.54E-07	2.97E-07
4206	494363.09, 3855877.25	2.25E-03	3.55E-07	1.24E-07	2.43E-03	3.83E-07	1.33E-07	3.87E-03	6.10E-07	2.13E-07
4207	494863.09, 3855877.25	1.72E-03	2.71E-07	9.45E-08	1.86E-03	2.93E-07	1.02E-07	2.96E-03	4.66E-07	1.62E-07
4208	495363.09, 3855877.25	1.26E-03	1.98E-07	6.90E-08	1.36E-03	2.14E-07	7.45E-08	2.16E-03	3.40E-07	1.19E-07
4209	495863.09, 3855877.25	1.19E-03	1.87E-07	6.53E-08	1.28E-03	2.02E-07	7.05E-08	2.04E-03	3.22E-07	1.12E-07
4210	496363.09, 3855877.25	1.14E-03	1.80E-07	6.28E-08	1.24E-03	1.95E-07	6.78E-08	1.97E-03	3.10E-07	1.08E-07
4211	496863.09, 3855877.25	1.15E-03	1.81E-07	6.31E-08	1.24E-03	1.96E-07	6.81E-08	1.98E-03	3.11E-07	1.08E-07
4212	497363.09, 3855877.25	1.16E-03	1.83E-07	6.39E-08	1.26E-03	1.98E-07	6.90E-08	2.00E-03	3.15E-07	1.10E-07
4213	497863.09, 3855877.25	1.20E-03	1.89E-07	6.59E-08	1.30E-03	2.04E-07	7.11E-08	2.06E-03	3.25E-07	1.13E-07
4214	498363.09, 3855877.25	1.32E-03	2.08E-07	7.24E-08	1.43E-03	2.25E-07	7.82E-08	2.27E-03	3.58E-07	1.25E-07
4215	471363.09, 3856377.25	3.39E-04	5.35E-08	1.86E-08	3.66E-04	5.77E-08	2.01E-08	5.81E-04	9.15E-08	3.19E-08
4216	471863.09, 3856377.25	3.53E-04	5.57E-08	1.94E-08	3.81E-04	6.01E-08	2.09E-08	6.05E-04	9.53E-08	3.32E-08
4217	472363.09, 3856377.25	3.81E-04	6.01E-08	2.09E-08	4.12E-04	6.49E-08	2.26E-08	6.53E-04	1.03E-07	3.58E-08
4218	472863.09, 3856377.25	4.18E-04	6.58E-08	2.29E-08	4.51E-04	7.10E-08	2.47E-08	7.15E-04	1.13E-07	3.92E-08
4219	473363.09, 3856377.25	4.50E-04	7.09E-08	2.47E-08	4.86E-04	7.65E-08	2.67E-08	7.70E-04	1.21E-07	4.23E-08
4220	473863.09, 3856377.25	5.09E-04	8.02E-08	2.80E-08	5.50E-04	8.66E-08	3.02E-08	8.72E-04	1.37E-07	4.78E-08

4221	474363.09, 3856377.25	5.03E-04	7.92E-08	2.76E-08	5.42E-04	8.54E-08	2.98E-08	8.60E-04	1.35E-07	4.72E-08
4222	474863.09, 3856377.25	4.71E-04	7.42E-08	2.59E-08	5.08E-04	8.01E-08	2.79E-08	8.05E-04	1.27E-07	4.42E-08
4223	475363.09, 3856377.25	3.77E-04	5.94E-08	2.07E-08	4.07E-04	6.41E-08	2.23E-08	6.45E-04	1.02E-07	3.54E-08
4224	475863.09, 3856377.25	2.70E-04	4.26E-08	1.48E-08	2.92E-04	4.60E-08	1.60E-08	4.62E-04	7.28E-08	2.54E-08
4225	476363.09, 3856377.25	2.61E-04	4.11E-08	1.43E-08	2.82E-04	4.44E-08	1.55E-08	4.47E-04	7.04E-08	2.45E-08
4226	476863.09, 3856377.25	2.72E-04	4.29E-08	1.49E-08	2.94E-04	4.63E-08	1.61E-08	4.66E-04	7.34E-08	2.56E-08
4227	477363.09, 3856377.25	2.96E-04	4.67E-08	1.63E-08	3.20E-04	5.04E-08	1.75E-08	5.06E-04	7.98E-08	2.78E-08
4228	477863.09, 3856377.25	2.54E-04	4.00E-08	1.39E-08	2.74E-04	4.31E-08	1.50E-08	4.34E-04	6.84E-08	2.38E-08
4229	478363.09, 3856377.25	2.38E-04	3.74E-08	1.30E-08	2.56E-04	4.04E-08	1.41E-08	4.06E-04	6.40E-08	2.23E-08
4230	478863.09, 3856377.25	4.38E-04	6.90E-08	2.40E-08	4.72E-04	7.44E-08	2.59E-08	7.48E-04	1.18E-07	4.10E-08
4231	479363.09, 3856377.25	5.77E-04	9.08E-08	3.16E-08	6.22E-04	9.80E-08	3.41E-08	9.84E-04	1.55E-07	5.40E-08
4232	479863.09, 3856377.25	9.87E-04	1.55E-07	5.42E-08	1.06E-03	1.68E-07	5.84E-08	1.68E-03	2.65E-07	9.24E-08
4233	480363.09, 3856377.25	1.64E-03	2.59E-07	9.01E-08	1.77E-03	2.79E-07	9.72E-08	2.80E-03	4.41E-07	1.54E-07
4234	480863.09, 3856377.25	2.41E-03	3.79E-07	1.32E-07	2.60E-03	4.09E-07	1.43E-07	4.11E-03	6.47E-07	2.25E-07
4235	481363.09, 3856377.25	3.46E-03	5.45E-07	1.90E-07	3.73E-03	5.88E-07	2.05E-07	5.92E-03	9.32E-07	3.25E-07
4236	481863.09, 3856377.25	4.83E-03	7.61E-07	2.65E-07	5.21E-03	8.21E-07	2.86E-07	8.27E-03	1.30E-06	4.54E-07
4237	482363.09, 3856377.25	5.89E-03	9.28E-07	3.23E-07	6.35E-03	1.00E-06	3.49E-07	1.00E-02	1.58E-06	5.51E-07
4238	482863.09, 3856377.25	7.43E-03	1.17E-06	4.08E-07	8.02E-03	1.26E-06	4.40E-07	1.26E-02	1.99E-06	6.94E-07
4239	483363.09, 3856377.25	9.53E-03	1.50E-06	5.23E-07	1.03E-02	1.62E-06	5.64E-07	1.61E-02	2.54E-06	8.86E-07
4240	483863.09, 3856377.25	1.29E-02	2.03E-06	7.06E-07	1.39E-02	2.18E-06	7.60E-07	2.17E-02	3.42E-06	1.19E-06
4241	484363.09, 3856377.25	1.87E-02	2.95E-06	1.03E-06	2.02E-02	3.18E-06	1.11E-06	3.14E-02	4.94E-06	1.72E-06
4242	484863.09, 3856377.25	3.87E-02	6.09E-06	2.12E-06	4.15E-02	6.54E-06	2.28E-06	6.33E-02	9.97E-06	3.47E-06
4243	485363.09, 3856377.25	1.45E-01	2.28E-05	7.95E-06	1.56E-01	2.46E-05	8.57E-06	2.45E-01	3.87E-05	1.35E-05
4244	485863.09, 3856377.25	8.84E-02	1.39E-05	4.85E-06	9.56E-02	1.51E-05	5.25E-06	1.54E-01	2.43E-05	8.46E-06
4245	486363.09, 3856377.25	3.90E-02	6.14E-06	2.14E-06	4.21E-02	6.64E-06	2.31E-06	6.74E-02	1.06E-05	3.70E-06
4246	486863.09, 3856377.25	2.98E-02	4.70E-06	1.64E-06	3.22E-02	5.07E-06	1.77E-06	5.14E-02	8.10E-06	2.82E-06
4247	487363.09, 3856377.25	2.50E-02	3.94E-06	1.37E-06	2.70E-02	4.25E-06	1.48E-06	4.31E-02	6.79E-06	2.37E-06
4248	487863.09, 3856377.25	2.17E-02	3.42E-06	1.19E-06	2.34E-02	3.69E-06	1.29E-06	3.74E-02	5.89E-06	2.05E-06
4249	488363.09, 3856377.25	1.88E-02	2.96E-06	1.03E-06	2.03E-02	3.20E-06	1.11E-06	3.24E-02	5.10E-06	1.78E-06
4250	488863.09, 3856377.25	1.65E-02	2.60E-06	9.04E-07	1.78E-02	2.80E-06	9.77E-07	2.84E-02	4.48E-06	1.56E-06
4251	489363.09, 3856377.25	1.45E-02	2.29E-06	7.98E-07	1.57E-02	2.48E-06	8.62E-07	2.51E-02	3.95E-06	1.38E-06
4252	489863.09, 3856377.25	1.29E-02	2.04E-06	7.10E-07	1.40E-02	2.20E-06	7.67E-07	2.23E-02	3.52E-06	1.23E-06
4253	490363.09, 3856377.25	1.15E-02	1.81E-06	6.29E-07	1.24E-02	1.95E-06	6.80E-07	1.98E-02	3.12E-06	1.09E-06
4254	490863.09, 3856377.25	1.02E-02	1.61E-06	5.60E-07	1.10E-02	1.74E-06	6.05E-07	1.76E-02	2.78E-06	9.67E-07
4255	491363.09, 3856377.25	9.14E-03	1.44E-06	5.02E-07	9.88E-03	1.56E-06	5.42E-07	1.58E-02	2.49E-06	8.67E-07
4256	491863.09, 3856377.25	8.14E-03	1.28E-06	4.47E-07	8.79E-03	1.39E-06	4.83E-07	1.41E-02	2.22E-06	7.72E-07
4257	492363.09, 3856377.25	7.09E-03	1.12E-06	3.89E-07	7.66E-03	1.21E-06	4.20E-07	1.23E-02	1.93E-06	6.72E-07
4258	492863.09, 3856377.25	5.66E-03	8.92E-07	3.11E-07	6.12E-03	9.64E-07	3.36E-07	9.77E-03	1.54E-06	5.36E-07
4259	493363.09, 3856377.25	3.63E-03	5.72E-07	1.99E-07	3.92E-03	6.18E-07	2.15E-07	6.26E-03	9.86E-07	3.43E-07
4260	493863.09, 3856377.25	2.81E-03	4.43E-07	1.54E-07	3.04E-03	4.79E-07	1.67E-07	4.84E-03	7.63E-07	2.66E-07
4261	494363.09, 3856377.25	2.06E-03	3.25E-07	1.13E-07	2.23E-03	3.51E-07	1.22E-07	3.55E-03	5.59E-07	1.95E-07
4262	494863.09, 3856377.25	1.56E-03	2.45E-07	8.54E-08	1.68E-03	2.65E-07	9.23E-08	2.68E-03	4.22E-07	1.47E-07
4263	495363.09, 3856377.25	1.26E-03	1.98E-07	6.91E-08	1.36E-03	2.14E-07	7.46E-08	2.16E-03	3.41E-07	1.19E-07
4264	495863.09, 3856377.25	1.18E-03	1.86E-07	6.48E-08	1.28E-03	2.01E-07	7.00E-08	2.03E-03	3.20E-07	1.11E-07
4265	496363.09, 3856377.25	1.16E-03	1.82E-07	6.35E-08	1.25E-03	1.97E-07	6.86E-08	1.99E-03	3.13E-07	1.09E-07
4266	496863.09, 3856377.25	1.21E-03	1.91E-07	6.64E-08	1.31E-03	2.06E-07	7.17E-08	2.08E-03	3.28E-07	1.14E-07
4267	497363.09, 3856377.25	1.25E-03	1.97E-07	6.85E-08	1.35E-03	2.12E-07	7.40E-08	2.15E-03	3.38E-07	1.18E-07
4268	497863.09, 3856377.25	1.33E-03	2.10E-07	7.31E-08	1.44E-03	2.27E-07	7.90E-08	2.29E-03	3.61E-07	1.26E-07
4269	498363.09, 3856377.25	1.45E-03	2.28E-07	7.95E-08	1.56E-03	2.46E-07	8.59E-08	2.49E-03	3.93E-07	1.37E-07
4270	471363.09, 3856877.25	3.53E-04	5.57E-08	1.94E-08	3.81E-04	6.01E-08	2.09E-08	6.04E-04	9.52E-08	3.32E-08
4271	471863.09, 3856877.25	3.63E-04	5.72E-08	1.99E-08	3.92E-04	6.18E-08	2.15E-08	6.21E-04	9.78E-08	3.41E-08
4272	472363.09, 3856877.25	3.90E-04	6.15E-08	2.14E-08	4.21E-04	6.64E-08	2.31E-08	6.67E-04	1.05E-07	3.66E-08
4273	472863.09, 3856877.25	4.19E-04	6.60E-08	2.30E-08	4.52E-04	7.12E-08	2.48E-08	7.16E-04	1.13E-07	3.93E-08
4274	473363.09, 3856877.25	4.75E-04	7.48E-08	2.61E-08	5.13E-04	8.08E-08	2.81E-08	8.12E-04	1.28E-07	4.46E-08
4275	473863.09, 3856877.25	5.11E-04	8.05E-08	2.81E-08	5.52E-04	8.69E-08	3.03E-08	8.74E-04	1.38E-07	4.80E-08
4276	474363.09, 3856877.25	4.99E-04	7.86E-08	2.74E-08	5.39E-04	8.48E-08	2.96E-08	8.53E-04	1.34E-07	4.68E-08
4277	474863.09, 3856877.25	4.63E-04	7.30E-08	2.54E-08	5.00E-04	7.88E-08	2.74E-08	7.92E-04	1.25E-07	4.35E-08
4278	475363.09, 3856877.25	3.92E-04	6.17E-08	2.15E-08	4.22E-04	6.65E-08	2.32E-08	6.69E-04	1.05E-07	3.67E-08
4279	475863.09, 3856877.25	3.95E-04	6.22E-08	2.17E-08	4.26E-04	6.71E-08	2.34E-08	6.74E-04	1.06E-07	3.70E-08
4280	476363.09, 3856877.25	3.47E-04	5.46E-08	1.90E-08	3.74E-04	5.89E-08	2.05E-08	5.91E-04	9.32E-08	3.25E-08
4281	476863.09, 3856877.25	3.39E-04	5.34E-08	1.86E-08	3.66E-04	5.76E-08	2.01E-08	5.78E-04	9.11E-08	3.17E-08
4282	477363.09, 3856877.25	3.09E-04	4.87E-08	1.70E-08	3.34E-04	5.26E-08	1.83E-08	5.28E-04	8.31E-08	2.90E-08
4283	477863.09, 3856877.25	2.28E-04	3.59E-08	1.25E-08	2.46E-04	3.87E-08	1.35E-08	3.89E-04	6.12E-08	2.13E-08
4284	478363.09, 3856877.25	2.11E-04	3.32E-08	1.16E-08	2.28E-04	3.59E-08	1.25E-08	3.60E-04	5.67E-08	1.98E-08

4285	478863.09, 3856877.25	2.66E-04	4.19E-08	1.46E-08	2.87E-04	4.52E-08	1.58E-08	4.54E-04	7.15E-08	2.49E-08
4286	479363.09, 3856877.25	3.57E-04	5.63E-08	1.96E-08	3.85E-04	6.07E-08	2.12E-08	6.09E-04	9.60E-08	3.34E-08
4287	479863.09, 3856877.25	8.79E-04	1.38E-07	4.82E-08	9.48E-04	1.49E-07	5.20E-08	1.50E-03	2.36E-07	8.21E-08
4288	480363.09, 3856877.25	1.57E-03	2.47E-07	8.60E-08	1.69E-03	2.66E-07	9.27E-08	2.67E-03	4.20E-07	1.46E-07
4289	480863.09, 3856877.25	2.46E-03	3.87E-07	1.35E-07	2.65E-03	4.18E-07	1.45E-07	4.20E-03	6.61E-07	2.30E-07
4290	481363.09, 3856877.25	3.32E-03	5.23E-07	1.82E-07	3.58E-03	5.65E-07	1.97E-07	5.68E-03	8.95E-07	3.12E-07
4291	481863.09, 3856877.25	4.13E-03	6.51E-07	2.27E-07	4.46E-03	7.02E-07	2.45E-07	7.05E-03	1.11E-06	3.87E-07
4292	482363.09, 3856877.25	5.09E-03	8.02E-07	2.79E-07	5.49E-03	8.65E-07	3.01E-07	8.67E-03	1.37E-06	4.76E-07
4293	482863.09, 3856877.25	6.10E-03	9.61E-07	3.35E-07	6.58E-03	1.04E-06	3.61E-07	1.04E-02	1.63E-06	5.69E-07
4294	483363.09, 3856877.25	7.49E-03	1.18E-06	4.11E-07	8.07E-03	1.27E-06	4.43E-07	1.27E-02	2.00E-06	6.96E-07
4295	483863.09, 3856877.25	9.46E-03	1.49E-06	5.19E-07	1.02E-02	1.61E-06	5.60E-07	1.60E-02	2.52E-06	8.77E-07
4296	484363.09, 3856877.25	1.25E-02	1.97E-06	6.85E-07	1.34E-02	2.12E-06	7.38E-07	2.10E-02	3.31E-06	1.15E-06
4297	484863.09, 3856877.25	1.75E-02	2.75E-06	9.59E-07	1.88E-02	2.96E-06	1.03E-06	2.92E-02	4.60E-06	1.60E-06
4298	485363.09, 3856877.25	3.26E-02	5.13E-06	1.79E-06	3.50E-02	5.51E-06	1.92E-06	5.36E-02	8.45E-06	2.94E-06
4299	485863.09, 3856877.25	1.32E-01	2.08E-05	7.24E-06	1.42E-01	2.24E-05	7.79E-06	2.20E-01	3.47E-05	1.21E-05
4300	486363.09, 3856877.25	8.22E-02	1.30E-05	4.51E-06	8.88E-02	1.40E-05	4.87E-06	1.42E-01	2.24E-05	7.79E-06
4301	486863.09, 3856877.25	4.88E-02	7.69E-06	2.68E-06	5.27E-02	8.31E-06	2.89E-06	8.44E-02	1.33E-05	4.63E-06
4302	487363.09, 3856877.25	3.67E-02	5.78E-06	2.01E-06	3.97E-02	6.25E-06	2.18E-06	6.35E-02	1.00E-05	3.49E-06
4303	487863.09, 3856877.25	2.92E-02	4.60E-06	1.60E-06	3.16E-02	4.98E-06	1.73E-06	5.05E-02	7.96E-06	2.77E-06
4304	488363.09, 3856877.25	2.41E-02	3.80E-06	1.32E-06	2.61E-02	4.10E-06	1.43E-06	4.17E-02	6.57E-06	2.29E-06
4305	488863.09, 3856877.25	2.02E-02	3.19E-06	1.11E-06	2.19E-02	3.45E-06	1.20E-06	3.50E-02	5.51E-06	1.92E-06
4306	489363.09, 3856877.25	1.73E-02	2.73E-06	9.51E-07	1.87E-02	2.95E-06	1.03E-06	3.00E-02	4.72E-06	1.64E-06
4307	489863.09, 3856877.25	1.50E-02	2.36E-06	8.21E-07	1.62E-02	2.55E-06	8.88E-07	2.59E-02	4.08E-06	1.42E-06
4308	490363.09, 3856877.25	1.30E-02	2.05E-06	7.13E-07	1.40E-02	2.21E-06	7.70E-07	2.25E-02	3.54E-06	1.23E-06
4309	490863.09, 3856877.25	1.14E-02	1.79E-06	6.23E-07	1.23E-02	1.93E-06	6.73E-07	1.97E-02	3.10E-06	1.08E-06
4310	491363.09, 3856877.25	9.98E-03	1.57E-06	5.48E-07	1.08E-02	1.70E-06	5.92E-07	1.73E-02	2.72E-06	9.48E-07
4311	491863.09, 3856877.25	8.75E-03	1.38E-06	4.80E-07	9.45E-03	1.49E-06	5.19E-07	1.51E-02	2.38E-06	8.31E-07
4312	492363.09, 3856877.25	6.86E-03	1.08E-06	3.76E-07	7.41E-03	1.17E-06	4.07E-07	1.19E-02	1.87E-06	6.51E-07
4313	492863.09, 3856877.25	5.26E-03	8.28E-07	2.89E-07	5.68E-03	8.95E-07	3.12E-07	9.07E-03	1.43E-06	4.98E-07
4314	493363.09, 3856877.25	3.79E-03	5.97E-07	2.08E-07	4.09E-03	6.45E-07	2.25E-07	6.53E-03	1.03E-06	3.58E-07
4315	493863.09, 3856877.25	2.59E-03	4.08E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.46E-03	7.02E-07	2.45E-07
4316	494363.09, 3856877.25	1.86E-03	2.93E-07	1.02E-07	2.01E-03	3.16E-07	1.10E-07	3.20E-03	5.04E-07	1.75E-07
4317	494863.09, 3856877.25	1.55E-03	2.44E-07	8.49E-08	1.67E-03	2.63E-07	9.16E-08	2.66E-03	4.19E-07	1.46E-07
4318	495363.09, 3856877.25	1.37E-03	2.15E-07	7.50E-08	1.48E-03	2.33E-07	8.10E-08	2.35E-03	3.70E-07	1.29E-07
4319	495863.09, 3856877.25	1.31E-03	2.06E-07	7.16E-08	1.41E-03	2.22E-07	7.73E-08	2.24E-03	3.53E-07	1.23E-07
4320	496363.09, 3856877.25	1.27E-03	1.99E-07	6.94E-08	1.37E-03	2.15E-07	7.50E-08	2.17E-03	3.42E-07	1.19E-07
4321	496863.09, 3856877.25	1.27E-03	2.01E-07	6.99E-08	1.37E-03	2.17E-07	7.55E-08	2.19E-03	3.45E-07	1.20E-07
4322	497363.09, 3856877.25	1.32E-03	2.08E-07	7.24E-08	1.43E-03	2.25E-07	7.82E-08	2.27E-03	3.57E-07	1.25E-07
4323	497863.09, 3856877.25	1.46E-03	2.30E-07	8.02E-08	1.58E-03	2.49E-07	8.66E-08	2.51E-03	3.96E-07	1.38E-07
4324	498363.09, 3856877.25	1.63E-03	2.57E-07	8.97E-08	1.76E-03	2.78E-07	9.68E-08	2.81E-03	4.43E-07	1.54E-07
4325	471363.09, 3857377.25	3.67E-04	5.78E-08	2.01E-08	3.96E-04	6.24E-08	2.17E-08	6.28E-04	9.89E-08	3.44E-08
4326	471863.09, 3857377.25	3.76E-04	5.92E-08	2.06E-08	4.06E-04	6.39E-08	2.23E-08	6.43E-04	1.01E-07	3.53E-08
4327	472363.09, 3857377.25	3.99E-04	6.28E-08	2.19E-08	4.30E-04	6.78E-08	2.36E-08	6.82E-04	1.07E-07	3.74E-08
4328	472863.09, 3857377.25	4.30E-04	6.77E-08	2.36E-08	4.64E-04	7.31E-08	2.55E-08	7.36E-04	1.16E-07	4.04E-08
4329	473363.09, 3857377.25	4.73E-04	7.46E-08	2.60E-08	5.11E-04	8.05E-08	2.80E-08	8.11E-04	1.28E-07	4.45E-08
4330	473863.09, 3857377.25	5.30E-04	8.35E-08	2.91E-08	5.72E-04	9.02E-08	3.14E-08	9.08E-04	1.43E-07	4.99E-08
4331	474363.09, 3857377.25	4.98E-04	7.84E-08	2.73E-08	5.37E-04	8.47E-08	2.95E-08	8.53E-04	1.34E-07	4.68E-08
4332	474863.09, 3857377.25	3.69E-04	5.82E-08	2.03E-08	3.98E-04	6.27E-08	2.19E-08	6.31E-04	9.94E-08	3.46E-08
4333	475363.09, 3857377.25	2.57E-04	4.05E-08	1.41E-08	2.78E-04	4.37E-08	1.52E-08	4.39E-04	6.92E-08	2.41E-08
4334	475863.09, 3857377.25	2.43E-04	3.83E-08	1.34E-08	2.62E-04	4.13E-08	1.44E-08	4.15E-04	6.54E-08	2.28E-08
4335	476363.09, 3857377.25	3.18E-04	5.00E-08	1.74E-08	3.43E-04	5.40E-08	1.88E-08	5.42E-04	8.54E-08	2.97E-08
4336	476863.09, 3857377.25	3.47E-04	5.47E-08	1.90E-08	3.74E-04	5.90E-08	2.06E-08	5.92E-04	9.33E-08	3.25E-08
4337	477363.09, 3857377.25	3.06E-04	4.83E-08	1.68E-08	3.31E-04	5.21E-08	1.81E-08	5.23E-04	8.23E-08	2.87E-08
4338	477863.09, 3857377.25	2.41E-04	3.80E-08	1.32E-08	2.60E-04	4.10E-08	1.43E-08	4.11E-04	6.47E-08	2.25E-08
4339	478363.09, 3857377.25	1.96E-04	3.09E-08	1.08E-08	2.12E-04	3.33E-08	1.16E-08	3.34E-04	5.27E-08	1.83E-08
4340	478863.09, 3857377.25	1.75E-04	2.76E-08	9.62E-09	1.89E-04	2.98E-08	1.04E-08	2.99E-04	4.70E-08	1.64E-08
4341	479363.09, 3857377.25	2.71E-04	4.27E-08	1.49E-08	2.92E-04	4.60E-08	1.60E-08	4.60E-04	7.25E-08	2.53E-08
4342	479863.09, 3857377.25	7.06E-04	1.11E-07	3.87E-08	7.61E-04	1.20E-07	4.18E-08	1.20E-03	1.89E-07	6.58E-08
4343	480363.09, 3857377.25	5.95E-04	9.37E-08	3.26E-08	6.41E-04	1.01E-07	3.52E-08	1.01E-03	1.59E-07	5.54E-08
4344	480863.09, 3857377.25	2.30E-03	3.62E-07	1.26E-07	2.48E-03	3.90E-07	1.36E-07	3.93E-03	6.18E-07	2.15E-07
4345	481363.09, 3857377.25	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.46E-03	7.02E-07	2.45E-07
4346	481863.09, 3857377.25	3.43E-03	5.40E-07	1.88E-07	3.70E-03	5.83E-07	2.03E-07	5.86E-03	9.23E-07	3.21E-07
4347	482363.09, 3857377.25	4.39E-03	6.92E-07	2.41E-07	4.74E-03	7.47E-07	2.60E-07	7.48E-03	1.18E-06	4.10E-07
4348	482863.09, 3857377.25	5.08E-03	8.01E-07	2.79E-07	5.48E-03	8.64E-07	3.01E-07	8.63E-03	1.36E-06	4.74E-07

4349	483363.09, 3857377.25	5.99E-03	9.44E-07	3.29E-07	6.46E-03	1.02E-06	3.54E-07	1.01E-02	1.60E-06	5.56E-07
4350	483863.09, 3857377.25	7.26E-03	1.14E-06	3.98E-07	7.82E-03	1.23E-06	4.29E-07	1.23E-02	1.93E-06	6.73E-07
4351	484363.09, 3857377.25	8.94E-03	1.41E-06	4.91E-07	9.63E-03	1.52E-06	5.28E-07	1.51E-02	2.37E-06	8.27E-07
4352	484863.09, 3857377.25	1.15E-02	1.81E-06	6.31E-07	1.24E-02	1.95E-06	6.79E-07	1.93E-02	3.04E-06	1.06E-06
4353	485363.09, 3857377.25	1.58E-02	2.48E-06	8.65E-07	1.70E-02	2.67E-06	9.31E-07	2.64E-02	4.16E-06	1.45E-06
4354	485863.09, 3857377.25	2.56E-02	4.04E-06	1.41E-06	2.76E-02	4.34E-06	1.51E-06	4.27E-02	6.73E-06	2.35E-06
4355	486363.09, 3857377.25	1.17E-01	1.85E-05	6.44E-06	1.26E-01	1.99E-05	6.93E-06	1.96E-01	3.09E-05	1.08E-05
4356	486863.09, 3857377.25	1.25E-01	1.97E-05	6.85E-06	1.35E-01	2.12E-05	7.40E-06	2.14E-01	3.37E-05	1.17E-05
4357	487363.09, 3857377.25	6.01E-02	9.46E-06	3.30E-06	6.50E-02	1.02E-05	3.57E-06	1.05E-01	1.65E-05	5.75E-06
4358	487863.09, 3857377.25	4.05E-02	6.37E-06	2.22E-06	4.38E-02	6.89E-06	2.40E-06	7.05E-02	1.11E-05	3.87E-06
4359	488363.09, 3857377.25	3.02E-02	4.76E-06	1.66E-06	3.27E-02	5.15E-06	1.79E-06	5.26E-02	8.29E-06	2.89E-06
4360	488863.09, 3857377.25	2.39E-02	3.77E-06	1.31E-06	2.59E-02	4.08E-06	1.42E-06	4.16E-02	6.55E-06	2.28E-06
4361	489363.09, 3857377.25	1.96E-02	3.09E-06	1.08E-06	2.12E-02	3.34E-06	1.16E-06	3.41E-02	5.37E-06	1.87E-06
4362	489863.09, 3857377.25	1.64E-02	2.58E-06	9.00E-07	1.77E-02	2.79E-06	9.73E-07	2.85E-02	4.49E-06	1.56E-06
4363	490363.09, 3857377.25	1.39E-02	2.18E-06	7.61E-07	1.50E-02	2.36E-06	8.23E-07	2.41E-02	3.79E-06	1.32E-06
4364	490863.09, 3857377.25	1.19E-02	1.87E-06	6.53E-07	1.29E-02	2.02E-06	7.05E-07	2.06E-02	3.25E-06	1.13E-06
4365	491363.09, 3857377.25	1.03E-02	1.62E-06	5.66E-07	1.11E-02	1.76E-06	6.12E-07	1.79E-02	2.81E-06	9.81E-07
4366	491863.09, 3857377.25	8.79E-03	1.39E-06	4.83E-07	9.50E-03	1.50E-06	5.22E-07	1.52E-02	2.40E-06	8.36E-07
4367	492363.09, 3857377.25	6.38E-03	1.01E-06	3.50E-07	6.90E-03	1.09E-06	3.79E-07	1.10E-02	1.74E-06	6.06E-07
4368	492863.09, 3857377.25	4.35E-03	6.85E-07	2.39E-07	4.70E-03	7.41E-07	2.58E-07	7.50E-03	1.18E-06	4.12E-07
4369	493363.09, 3857377.25	2.97E-03	4.68E-07	1.63E-07	3.21E-03	5.06E-07	1.76E-07	5.12E-03	8.06E-07	2.81E-07
4370	493863.09, 3857377.25	2.43E-03	3.82E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.17E-03	6.58E-07	2.29E-07
4371	494363.09, 3857377.25	1.96E-03	3.08E-07	1.07E-07	2.11E-03	3.33E-07	1.16E-07	3.36E-03	5.30E-07	1.85E-07
4372	494863.09, 3857377.25	1.73E-03	2.72E-07	9.47E-08	1.86E-03	2.93E-07	1.02E-07	2.96E-03	4.67E-07	1.63E-07
4373	495363.09, 3857377.25	1.55E-03	2.44E-07	8.49E-08	1.67E-03	2.63E-07	9.16E-08	2.66E-03	4.18E-07	1.46E-07
4374	495863.09, 3857377.25	1.47E-03	2.32E-07	8.09E-08	1.59E-03	2.51E-07	8.73E-08	2.53E-03	3.99E-07	1.39E-07
4375	496363.09, 3857377.25	1.43E-03	2.25E-07	7.85E-08	1.54E-03	2.43E-07	8.47E-08	2.46E-03	3.87E-07	1.35E-07
4376	496863.09, 3857377.25	1.41E-03	2.22E-07	7.74E-08	1.52E-03	2.40E-07	8.36E-08	2.42E-03	3.82E-07	1.33E-07
4377	497363.09, 3857377.25	1.46E-03	2.29E-07	8.00E-08	1.57E-03	2.48E-07	8.63E-08	2.50E-03	3.95E-07	1.37E-07
4378	497863.09, 3857377.25	1.56E-03	2.45E-07	8.54E-08	1.68E-03	2.65E-07	9.22E-08	2.68E-03	4.22E-07	1.47E-07
4379	498363.09, 3857377.25	1.86E-03	2.93E-07	1.02E-07	2.01E-03	3.16E-07	1.10E-07	3.20E-03	5.04E-07	1.76E-07
4380	471363.09, 3857877.25	3.70E-04	5.83E-08	2.03E-08	3.99E-04	6.29E-08	2.19E-08	6.33E-04	9.98E-08	3.48E-08
4381	471863.09, 3857877.25	3.85E-04	6.06E-08	2.11E-08	4.15E-04	6.54E-08	2.28E-08	6.58E-04	1.04E-07	3.61E-08
4382	472363.09, 3857877.25	4.09E-04	6.44E-08	2.24E-08	4.41E-04	6.95E-08	2.42E-08	7.00E-04	1.10E-07	3.84E-08
4383	472863.09, 3857877.25	4.52E-04	7.12E-08	2.48E-08	4.88E-04	7.68E-08	2.68E-08	7.74E-04	1.22E-07	4.25E-08
4384	473363.09, 3857877.25	4.82E-04	7.60E-08	2.65E-08	5.21E-04	8.20E-08	2.86E-08	8.26E-04	1.30E-07	4.53E-08
4385	473863.09, 3857877.25	5.30E-04	8.35E-08	2.91E-08	5.72E-04	9.02E-08	3.14E-08	9.08E-04	1.43E-07	4.98E-08
4386	474363.09, 3857877.25	4.81E-04	7.58E-08	2.64E-08	5.19E-04	8.18E-08	2.85E-08	8.23E-04	1.30E-07	4.51E-08
4387	474863.09, 3857877.25	3.41E-04	5.37E-08	1.87E-08	3.67E-04	5.79E-08	2.02E-08	5.81E-04	9.15E-08	3.19E-08
4388	475363.09, 3857877.25	1.96E-04	3.08E-08	1.07E-08	2.11E-04	3.33E-08	1.16E-08	3.34E-04	5.26E-08	1.83E-08
4389	475863.09, 3857877.25	1.01E-04	1.59E-08	5.55E-09	1.09E-04	1.72E-08	5.99E-09	1.72E-04	2.71E-08	9.46E-09
4390	476363.09, 3857877.25	2.26E-04	3.56E-08	1.24E-08	2.44E-04	3.84E-08	1.34E-08	3.85E-04	6.07E-08	2.12E-08
4391	476863.09, 3857877.25	2.84E-04	4.48E-08	1.56E-08	3.07E-04	4.83E-08	1.68E-08	4.85E-04	7.63E-08	2.66E-08
4392	477363.09, 3857877.25	2.80E-04	4.41E-08	1.54E-08	3.02E-04	4.76E-08	1.66E-08	4.76E-04	7.51E-08	2.62E-08
4393	477863.09, 3857877.25	2.75E-04	4.34E-08	1.51E-08	2.97E-04	4.68E-08	1.63E-08	4.69E-04	7.38E-08	2.57E-08
4394	478363.09, 3857877.25	1.64E-04	2.58E-08	8.98E-09	1.76E-04	2.78E-08	9.69E-09	2.78E-04	4.38E-08	1.53E-08
4395	478863.09, 3857877.25	1.39E-04	2.20E-08	7.66E-09	1.50E-04	2.37E-08	8.25E-09	2.36E-04	3.72E-08	1.30E-08
4396	479363.09, 3857877.25	6.39E-04	1.01E-07	3.51E-08	6.89E-04	1.08E-07	3.78E-08	1.09E-03	1.71E-07	5.96E-08
4397	479863.09, 3857877.25	1.40E-03	2.20E-07	7.66E-08	1.51E-03	2.37E-07	8.26E-08	2.38E-03	3.76E-07	1.31E-07
4398	480363.09, 3857877.25	1.85E-03	2.91E-07	1.01E-07	1.99E-03	3.14E-07	1.09E-07	3.16E-03	4.98E-07	1.73E-07
4399	480863.09, 3857877.25	2.13E-03	3.35E-07	1.17E-07	2.29E-03	3.61E-07	1.26E-07	3.64E-03	5.73E-07	2.00E-07
4400	481363.09, 3857877.25	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.22E-03	6.64E-07	2.31E-07
4401	481863.09, 3857877.25	2.96E-03	4.66E-07	1.62E-07	3.19E-03	5.03E-07	1.75E-07	5.06E-03	7.96E-07	2.77E-07
4402	482363.09, 3857877.25	3.71E-03	5.85E-07	2.04E-07	4.00E-03	6.31E-07	2.20E-07	6.32E-03	9.96E-07	3.47E-07
4403	482863.09, 3857877.25	4.25E-03	6.69E-07	2.33E-07	4.58E-03	7.21E-07	2.51E-07	7.20E-03	1.13E-06	3.95E-07
4404	483363.09, 3857877.25	4.87E-03	7.67E-07	2.67E-07	5.25E-03	8.27E-07	2.88E-07	8.24E-03	1.30E-06	4.52E-07
4405	483863.09, 3857877.25	5.69E-03	8.96E-07	3.12E-07	6.13E-03	9.66E-07	3.36E-07	9.62E-03	1.51E-06	5.28E-07
4406	484363.09, 3857877.25	6.72E-03	1.06E-06	3.69E-07	7.24E-03	1.14E-06	3.97E-07	1.13E-02	1.79E-06	6.22E-07
4407	484863.09, 3857877.25	8.14E-03	1.28E-06	4.47E-07	8.76E-03	1.38E-06	4.81E-07	1.37E-02	2.16E-06	7.52E-07
4408	485363.09, 3857877.25	1.02E-02	1.60E-06	5.58E-07	1.09E-02	1.72E-06	6.01E-07	1.71E-02	2.69E-06	9.39E-07
4409	485863.09, 3857877.25	1.35E-02	2.12E-06	7.39E-07	1.45E-02	2.28E-06	7.96E-07	2.26E-02	3.56E-06	1.24E-06
4410	486363.09, 3857877.25	2.00E-02	3.15E-06	1.10E-06	2.15E-02	3.39E-06	1.18E-06	3.35E-02	5.28E-06	1.84E-06
4411	486863.09, 3857877.25	4.45E-02	7.01E-06	2.44E-06	4.79E-02	7.55E-06	2.63E-06	7.49E-02	1.18E-05	4.11E-06
4412	487363.09, 3857877.25	1.34E-01	2.11E-05	7.36E-06	1.44E-01	2.27E-05	7.92E-06	2.24E-01	3.53E-05	1.23E-05

4413	487863.09, 3857877.25	5.95E-02	9.37E-06	3.26E-06	6.44E-02	1.01E-05	3.53E-06	1.04E-01	1.65E-05	5.73E-06
4414	488363.09, 3857877.25	3.64E-02	5.74E-06	2.00E-06	3.94E-02	6.21E-06	2.16E-06	6.36E-02	1.00E-05	3.49E-06
4415	488863.09, 3857877.25	2.63E-02	4.14E-06	1.44E-06	2.84E-02	4.48E-06	1.56E-06	4.58E-02	7.21E-06	2.51E-06
4416	489363.09, 3857877.25	2.04E-02	3.21E-06	1.12E-06	2.21E-02	3.48E-06	1.21E-06	3.55E-02	5.59E-06	1.95E-06
4417	489863.09, 3857877.25	1.64E-02	2.58E-06	8.98E-07	1.77E-02	2.79E-06	9.71E-07	2.84E-02	4.48E-06	1.56E-06
4418	490363.09, 3857877.25	1.35E-02	2.13E-06	7.42E-07	1.46E-02	2.30E-06	8.02E-07	2.34E-02	3.69E-06	1.29E-06
4419	490863.09, 3857877.25	1.14E-02	1.80E-06	6.27E-07	1.23E-02	1.94E-06	6.77E-07	1.98E-02	3.11E-06	1.08E-06
4420	491363.09, 3857877.25	9.60E-03	1.51E-06	5.27E-07	1.04E-02	1.63E-06	5.70E-07	1.66E-02	2.62E-06	9.12E-07
4421	491863.09, 3857877.25	7.80E-03	1.23E-06	4.28E-07	8.43E-03	1.33E-06	4.63E-07	1.35E-02	2.13E-06	7.41E-07
4422	492363.09, 3857877.25	5.28E-03	8.32E-07	2.90E-07	5.71E-03	8.99E-07	3.13E-07	9.12E-03	1.44E-06	5.01E-07
4423	492863.09, 3857877.25	3.55E-03	5.58E-07	1.95E-07	3.83E-03	6.03E-07	2.10E-07	6.10E-03	9.62E-07	3.35E-07
4424	493363.09, 3857877.25	2.86E-03	4.51E-07	1.57E-07	3.09E-03	4.87E-07	1.70E-07	4.93E-03	7.76E-07	2.70E-07
4425	493863.09, 3857877.25	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.30E-03	6.77E-07	2.36E-07
4426	494363.09, 3857877.25	2.24E-03	3.53E-07	1.23E-07	2.42E-03	3.81E-07	1.33E-07	3.85E-03	6.06E-07	2.11E-07
4427	494863.09, 3857877.25	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.25E-03	5.12E-07	1.79E-07
4428	495363.09, 3857877.25	1.75E-03	2.76E-07	9.62E-08	1.89E-03	2.98E-07	1.04E-07	3.01E-03	4.74E-07	1.65E-07
4429	495863.09, 3857877.25	1.63E-03	2.57E-07	8.97E-08	1.76E-03	2.78E-07	9.68E-08	2.81E-03	4.42E-07	1.54E-07
4430	496363.09, 3857877.25	1.61E-03	2.54E-07	8.84E-08	1.74E-03	2.74E-07	9.55E-08	2.77E-03	4.36E-07	1.52E-07
4431	496863.09, 3857877.25	1.60E-03	2.51E-07	8.76E-08	1.72E-03	2.71E-07	9.45E-08	2.74E-03	4.32E-07	1.50E-07
4432	497363.09, 3857877.25	1.55E-03	2.45E-07	8.53E-08	1.68E-03	2.65E-07	9.21E-08	2.67E-03	4.21E-07	1.47E-07
4433	497863.09, 3857877.25	1.74E-03	2.74E-07	9.55E-08	1.88E-03	2.96E-07	1.03E-07	2.99E-03	4.72E-07	1.64E-07
4434	498363.09, 3857877.25	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.32E-03	5.23E-07	1.82E-07
4435	471363.09, 3858377.25	3.87E-04	6.10E-08	2.12E-08	4.18E-04	6.58E-08	2.29E-08	6.62E-04	1.04E-07	3.63E-08
4436	471863.09, 3858377.25	4.03E-04	6.35E-08	2.21E-08	4.35E-04	6.85E-08	2.39E-08	6.90E-04	1.09E-07	3.79E-08
4437	472363.09, 3858377.25	4.21E-04	6.63E-08	2.31E-08	4.54E-04	7.15E-08	2.49E-08	7.20E-04	1.13E-07	3.95E-08
4438	472863.09, 3858377.25	4.55E-04	7.17E-08	2.50E-08	4.91E-04	7.74E-08	2.69E-08	7.78E-04	1.23E-07	4.27E-08
4439	473363.09, 3858377.25	5.21E-04	8.21E-08	2.86E-08	5.62E-04	8.86E-08	3.09E-08	8.91E-04	1.40E-07	4.89E-08
4440	473863.09, 3858377.25	5.27E-04	8.31E-08	2.89E-08	5.69E-04	8.96E-08	3.12E-08	9.01E-04	1.42E-07	4.95E-08
4441	474363.09, 3858377.25	4.58E-04	7.22E-08	2.52E-08	4.95E-04	7.79E-08	2.71E-08	7.83E-04	1.23E-07	4.30E-08
4442	474863.09, 3858377.25	3.53E-04	5.56E-08	1.94E-08	3.81E-04	6.00E-08	2.09E-08	6.02E-04	9.48E-08	3.30E-08
4443	475363.09, 3858377.25	2.34E-04	3.68E-08	1.28E-08	2.52E-04	3.97E-08	1.38E-08	3.98E-04	6.27E-08	2.18E-08
4444	475863.09, 3858377.25	1.74E-04	2.74E-08	9.55E-09	1.88E-04	2.95E-08	1.03E-08	2.96E-04	4.66E-08	1.62E-08
4445	476363.09, 3858377.25	1.91E-04	3.01E-08	1.05E-08	2.06E-04	3.24E-08	1.13E-08	3.24E-04	5.11E-08	1.78E-08
4446	476863.09, 3858377.25	2.14E-04	3.37E-08	1.18E-08	2.31E-04	3.64E-08	1.27E-08	3.64E-04	5.73E-08	2.00E-08
4447	477363.09, 3858377.25	2.04E-04	3.22E-08	1.12E-08	2.20E-04	3.47E-08	1.21E-08	3.47E-04	5.47E-08	1.91E-08
4448	477863.09, 3858377.25	2.74E-04	4.32E-08	1.50E-08	2.96E-04	4.66E-08	1.62E-08	4.66E-04	7.34E-08	2.56E-08
4449	478363.09, 3858377.25	2.98E-04	4.69E-08	1.64E-08	3.21E-04	5.06E-08	1.76E-08	5.06E-04	7.97E-08	2.78E-08
4450	478863.09, 3858377.25	2.09E-04	3.29E-08	1.15E-08	2.25E-04	3.55E-08	1.24E-08	3.54E-04	5.57E-08	1.94E-08
4451	479363.09, 3858377.25	6.72E-04	1.06E-07	3.69E-08	7.24E-04	1.14E-07	3.98E-08	1.14E-03	1.80E-07	6.27E-08
4452	479863.09, 3858377.25	1.44E-03	2.27E-07	7.92E-08	1.56E-03	2.45E-07	8.55E-08	2.47E-03	3.89E-07	1.36E-07
4453	480363.09, 3858377.25	1.81E-03	2.85E-07	9.92E-08	1.95E-03	3.07E-07	1.07E-07	3.09E-03	4.87E-07	1.70E-07
4454	480863.09, 3858377.25	2.03E-03	3.20E-07	1.11E-07	2.19E-03	3.45E-07	1.20E-07	3.48E-03	5.48E-07	1.91E-07
4455	481363.09, 3858377.25	2.32E-03	3.65E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.97E-03	6.25E-07	2.18E-07
4456	481863.09, 3858377.25	2.61E-03	4.11E-07	1.43E-07	2.82E-03	4.44E-07	1.55E-07	4.46E-03	7.03E-07	2.45E-07
4457	482363.09, 3858377.25	3.03E-03	4.78E-07	1.66E-07	3.27E-03	5.15E-07	1.80E-07	5.18E-03	8.16E-07	2.84E-07
4458	482863.09, 3858377.25	3.67E-03	5.78E-07	2.01E-07	3.96E-03	6.23E-07	2.17E-07	6.25E-03	9.84E-07	3.43E-07
4459	483363.09, 3858377.25	4.08E-03	6.42E-07	2.24E-07	4.40E-03	6.92E-07	2.41E-07	6.91E-03	1.09E-06	3.79E-07
4460	483863.09, 3858377.25	4.53E-03	7.13E-07	2.49E-07	4.88E-03	7.69E-07	2.68E-07	7.66E-03	1.21E-06	4.20E-07
4461	484363.09, 3858377.25	5.22E-03	8.22E-07	2.86E-07	5.62E-03	8.85E-07	3.08E-07	8.81E-03	1.39E-06	4.84E-07
4462	484863.09, 3858377.25	6.03E-03	9.50E-07	3.31E-07	6.49E-03	1.02E-06	3.56E-07	1.02E-02	1.60E-06	5.58E-07
4463	485363.09, 3858377.25	6.99E-03	1.10E-06	3.83E-07	7.53E-03	1.19E-06	4.13E-07	1.18E-02	1.86E-06	6.46E-07
4464	485863.09, 3858377.25	8.36E-03	1.32E-06	4.59E-07	9.00E-03	1.42E-06	4.94E-07	1.41E-02	2.22E-06	7.72E-07
4465	486363.09, 3858377.25	1.03E-02	1.62E-06	5.63E-07	1.10E-02	1.74E-06	6.06E-07	1.72E-02	2.72E-06	9.46E-07
4466	486863.09, 3858377.25	1.30E-02	2.05E-06	7.15E-07	1.40E-02	2.21E-06	7.69E-07	2.18E-02	3.44E-06	1.20E-06
4467	487363.09, 3858377.25	1.89E-02	2.97E-06	1.04E-06	2.03E-02	3.20E-06	1.12E-06	3.16E-02	4.98E-06	1.74E-06
4468	487863.09, 3858377.25	6.01E-02	9.46E-06	3.30E-06	6.50E-02	1.02E-05	3.57E-06	1.05E-01	1.66E-05	5.77E-06
4469	488363.09, 3858377.25	3.90E-02	6.15E-06	2.14E-06	4.22E-02	6.65E-06	2.32E-06	6.76E-02	1.07E-05	3.71E-06
4470	488863.09, 3858377.25	2.29E-02	3.60E-06	1.25E-06	2.47E-02	3.88E-06	1.35E-06	3.91E-02	6.16E-06	2.14E-06
4471	489363.09, 3858377.25	1.71E-02	2.69E-06	9.36E-07	1.84E-02	2.90E-06	1.01E-06	2.92E-02	4.59E-06	1.60E-06
4472	489863.09, 3858377.25	1.37E-02	2.16E-06	7.51E-07	1.48E-02	2.33E-06	8.11E-07	2.34E-02	3.69E-06	1.29E-06
4473	490363.09, 3858377.25	1.14E-02	1.80E-06	6.26E-07	1.23E-02	1.94E-06	6.76E-07	1.95E-02	3.08E-06	1.07E-06
4474	490863.09, 3858377.25	9.73E-03	1.53E-06	5.34E-07	1.05E-02	1.65E-06	5.76E-07	1.67E-02	2.63E-06	9.17E-07
4475	491363.09, 3858377.25	8.20E-03	1.29E-06	4.50E-07	8.86E-03	1.40E-06	4.86E-07	1.41E-02	2.23E-06	7.75E-07
4476	491863.09, 3858377.25	6.11E-03	9.63E-07	3.35E-07	6.60E-03	1.04E-06	3.62E-07	1.06E-02	1.66E-06	5.79E-07

4477	492363.09, 3858377.25	3.85E-03	6.07E-07	2.11E-07	4.16E-03	6.56E-07	2.28E-07	6.63E-03	1.04E-06	3.64E-07
4478	492863.09, 3858377.25	3.93E-03	6.20E-07	2.16E-07	4.25E-03	6.69E-07	2.33E-07	6.77E-03	1.07E-06	3.72E-07
4479	493363.09, 3858377.25	3.26E-03	5.14E-07	1.79E-07	3.52E-03	5.55E-07	1.93E-07	5.61E-03	8.84E-07	3.08E-07
4480	493863.09, 3858377.25	2.89E-03	4.55E-07	1.59E-07	3.12E-03	4.92E-07	1.71E-07	4.97E-03	7.83E-07	2.73E-07
4481	494363.09, 3858377.25	2.52E-03	3.97E-07	1.38E-07	2.72E-03	4.28E-07	1.49E-07	4.33E-03	6.82E-07	2.37E-07
4482	494863.09, 3858377.25	2.22E-03	3.50E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.82E-03	6.02E-07	2.10E-07
4483	495363.09, 3858377.25	1.92E-03	3.03E-07	1.06E-07	2.08E-03	3.27E-07	1.14E-07	3.31E-03	5.21E-07	1.81E-07
4484	495863.09, 3858377.25	1.84E-03	2.90E-07	1.01E-07	1.99E-03	3.13E-07	1.09E-07	3.17E-03	4.99E-07	1.74E-07
4485	496363.09, 3858377.25	1.75E-03	2.76E-07	9.61E-08	1.89E-03	2.98E-07	1.04E-07	3.01E-03	4.74E-07	1.65E-07
4486	496863.09, 3858377.25	1.79E-03	2.82E-07	9.83E-08	1.93E-03	3.05E-07	1.06E-07	3.08E-03	4.85E-07	1.69E-07
4487	497363.09, 3858377.25	1.76E-03	2.78E-07	9.68E-08	1.90E-03	3.00E-07	1.05E-07	3.03E-03	4.78E-07	1.66E-07
4488	497863.09, 3858377.25	1.91E-03	3.01E-07	1.05E-07	2.06E-03	3.25E-07	1.13E-07	3.29E-03	5.18E-07	1.80E-07
4489	498363.09, 3858377.25	2.12E-03	3.33E-07	1.16E-07	2.28E-03	3.60E-07	1.25E-07	3.64E-03	5.74E-07	2.00E-07
4490	471363.09, 3858877.25	3.97E-04	6.26E-08	2.18E-08	4.29E-04	6.76E-08	2.35E-08	6.80E-04	1.07E-07	3.73E-08
4491	471863.09, 3858877.25	4.11E-04	6.48E-08	2.26E-08	4.44E-04	6.99E-08	2.44E-08	7.03E-04	1.11E-07	3.86E-08
4492	472363.09, 3858877.25	4.48E-04	7.06E-08	2.46E-08	4.83E-04	7.61E-08	2.65E-08	7.66E-04	1.21E-07	4.20E-08
4493	472863.09, 3858877.25	4.82E-04	7.60E-08	2.65E-08	5.20E-04	8.20E-08	2.86E-08	8.25E-04	1.30E-07	4.53E-08
4494	473363.09, 3858877.25	5.38E-04	8.47E-08	2.95E-08	5.80E-04	9.14E-08	3.19E-08	9.20E-04	1.45E-07	5.05E-08
4495	473863.09, 3858877.25	5.51E-04	8.68E-08	3.02E-08	5.95E-04	9.37E-08	3.26E-08	9.44E-04	1.49E-07	5.18E-08
4496	474363.09, 3858877.25	4.99E-04	7.86E-08	2.74E-08	5.39E-04	8.49E-08	2.96E-08	8.54E-04	1.35E-07	4.69E-08
4497	474863.09, 3858877.25	2.25E-04	3.54E-08	1.23E-08	2.42E-04	3.81E-08	1.33E-08	3.82E-04	6.02E-08	2.10E-08
4498	475363.09, 3858877.25	1.69E-04	2.66E-08	9.26E-09	1.82E-04	2.87E-08	9.99E-09	2.87E-04	4.52E-08	1.57E-08
4499	475863.09, 3858877.25	1.95E-04	3.08E-08	1.07E-08	2.11E-04	3.32E-08	1.16E-08	3.32E-04	5.23E-08	1.82E-08
4500	476363.09, 3858877.25	1.28E-04	2.01E-08	7.00E-09	1.38E-04	2.17E-08	7.55E-09	2.16E-04	3.41E-08	1.19E-08
4501	476863.09, 3858877.25	1.62E-04	2.55E-08	8.88E-09	1.74E-04	2.75E-08	9.57E-09	2.75E-04	4.33E-08	1.51E-08
4502	477363.09, 3858877.25	1.67E-04	2.63E-08	9.18E-09	1.80E-04	2.84E-08	9.90E-09	2.84E-04	4.47E-08	1.56E-08
4503	477863.09, 3858877.25	2.09E-04	3.29E-08	1.15E-08	2.25E-04	3.55E-08	1.24E-08	3.54E-04	5.58E-08	1.94E-08
4504	478363.09, 3858877.25	4.39E-04	6.91E-08	2.41E-08	4.73E-04	7.45E-08	2.60E-08	7.46E-04	1.18E-07	4.09E-08
4505	478863.09, 3858877.25	3.68E-04	5.79E-08	2.02E-08	3.96E-04	6.25E-08	2.18E-08	6.24E-04	9.83E-08	3.42E-08
4506	479363.09, 3858877.25	3.00E-04	4.73E-08	1.65E-08	3.23E-04	5.09E-08	1.77E-08	5.08E-04	8.01E-08	2.79E-08
4507	479863.09, 3858877.25	1.45E-03	2.29E-07	7.98E-08	1.57E-03	2.47E-07	8.62E-08	2.49E-03	3.92E-07	1.37E-07
4508	480363.09, 3858877.25	1.71E-03	2.69E-07	9.36E-08	1.84E-03	2.90E-07	1.01E-07	2.92E-03	4.60E-07	1.60E-07
4509	480863.09, 3858877.25	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.30E-03	5.20E-07	1.81E-07
4510	481363.09, 3858877.25	2.15E-03	3.39E-07	1.18E-07	2.32E-03	3.65E-07	1.27E-07	3.67E-03	5.78E-07	2.01E-07
4511	481863.09, 3858877.25	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.11E-07	1.43E-07	4.13E-03	6.50E-07	2.26E-07
4512	482363.09, 3858877.25	2.66E-03	4.20E-07	1.46E-07	2.87E-03	4.53E-07	1.58E-07	4.55E-03	7.16E-07	2.50E-07
4513	482863.09, 3858877.25	3.01E-03	4.74E-07	1.65E-07	3.25E-03	5.12E-07	1.78E-07	5.14E-03	8.09E-07	2.82E-07
4514	483363.09, 3858877.25	3.38E-03	5.33E-07	1.86E-07	3.65E-03	5.74E-07	2.00E-07	5.73E-03	9.03E-07	3.15E-07
4515	483863.09, 3858877.25	3.68E-03	5.79E-07	2.02E-07	3.96E-03	6.24E-07	2.17E-07	6.22E-03	9.79E-07	3.41E-07
4516	484363.09, 3858877.25	4.09E-03	6.45E-07	2.25E-07	4.41E-03	6.95E-07	2.42E-07	6.92E-03	1.09E-06	3.80E-07
4517	484863.09, 3858877.25	4.56E-03	7.19E-07	2.50E-07	4.92E-03	7.75E-07	2.70E-07	7.71E-03	1.21E-06	4.23E-07
4518	485363.09, 3858877.25	5.08E-03	8.00E-07	2.79E-07	5.47E-03	8.62E-07	3.00E-07	8.57E-03	1.35E-06	4.70E-07
4519	485863.09, 3858877.25	5.72E-03	9.02E-07	3.14E-07	6.17E-03	9.71E-07	3.38E-07	9.65E-03	1.52E-06	5.30E-07
4520	486363.09, 3858877.25	6.35E-03	1.00E-06	3.49E-07	6.84E-03	1.08E-06	3.76E-07	1.07E-02	1.69E-06	5.87E-07
4521	486863.09, 3858877.25	7.11E-03	1.12E-06	3.90E-07	7.66E-03	1.21E-06	4.20E-07	1.20E-02	1.88E-06	6.56E-07
4522	487363.09, 3858877.25	8.21E-03	1.29E-06	4.51E-07	8.84E-03	1.39E-06	4.85E-07	1.37E-02	2.17E-06	7.54E-07
4523	487863.09, 3858877.25	9.13E-03	1.44E-06	5.01E-07	9.82E-03	1.55E-06	5.39E-07	1.51E-02	2.38E-06	8.31E-07
4524	488363.09, 3858877.25	1.06E-02	1.68E-06	5.84E-07	1.14E-02	1.79E-06	6.25E-07	1.70E-02	2.68E-06	9.33E-07
4525	488863.09, 3858877.25	2.33E-02	3.67E-06	1.28E-06	2.43E-02	3.83E-06	1.34E-06	2.95E-02	4.64E-06	1.62E-06
4526	489363.09, 3858877.25	1.08E-02	1.71E-06	5.94E-07	1.16E-02	1.83E-06	6.37E-07	1.74E-02	2.74E-06	9.53E-07
4527	489863.09, 3858877.25	9.25E-03	1.46E-06	5.08E-07	9.95E-03	1.57E-06	5.46E-07	1.54E-02	2.43E-06	8.46E-07
4528	490363.09, 3858877.25	8.22E-03	1.30E-06	4.51E-07	8.86E-03	1.40E-06	4.87E-07	1.39E-02	2.19E-06	7.64E-07
4529	490863.09, 3858877.25	7.12E-03	1.12E-06	3.91E-07	7.69E-03	1.21E-06	4.22E-07	1.22E-02	1.92E-06	6.69E-07
4530	491363.09, 3858877.25	5.64E-03	8.88E-07	3.09E-07	6.09E-03	9.59E-07	3.34E-07	9.71E-03	1.53E-06	5.33E-07
4531	491863.09, 3858877.25	3.98E-03	6.26E-07	2.18E-07	4.29E-03	6.77E-07	2.36E-07	6.84E-03	1.08E-06	3.75E-07
4532	492363.09, 3858877.25	4.32E-03	6.80E-07	2.37E-07	4.66E-03	7.35E-07	2.56E-07	7.44E-03	1.17E-06	4.08E-07
4533	492863.09, 3858877.25	4.53E-03	7.14E-07	2.49E-07	4.90E-03	7.71E-07	2.69E-07	7.81E-03	1.23E-06	4.29E-07
4534	493363.09, 3858877.25	3.99E-03	6.29E-07	2.19E-07	4.31E-03	6.80E-07	2.37E-07	6.88E-03	1.08E-06	3.78E-07
4535	493863.09, 3858877.25	3.21E-03	5.05E-07	1.76E-07	3.46E-03	5.45E-07	1.90E-07	5.52E-03	8.69E-07	3.03E-07
4536	494363.09, 3858877.25	2.89E-03	4.55E-07	1.59E-07	3.12E-03	4.91E-07	1.71E-07	4.97E-03	7.83E-07	2.73E-07
4537	494863.09, 3858877.25	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.38E-03	6.90E-07	2.41E-07
4538	495363.09, 3858877.25	2.25E-03	3.54E-07	1.23E-07	2.43E-03	3.83E-07	1.33E-07	3.87E-03	6.09E-07	2.12E-07
4539	495863.09, 3858877.25	2.09E-03	3.29E-07	1.15E-07	2.26E-03	3.56E-07	1.24E-07	3.59E-03	5.66E-07	1.97E-07
4540	496363.09, 3858877.25	2.02E-03	3.19E-07	1.11E-07	2.19E-03	3.44E-07	1.20E-07	3.48E-03	5.48E-07	1.91E-07

4541	496863.09, 3858877.25	1.97E-03	3.10E-07	1.08E-07	2.12E-03	3.35E-07	1.17E-07	3.38E-03	5.33E-07	1.86E-07
4542	497363.09, 3858877.25	1.90E-03	3.00E-07	1.05E-07	2.06E-03	3.24E-07	1.13E-07	3.28E-03	5.16E-07	1.80E-07
4543	497863.09, 3858877.25	2.08E-03	3.28E-07	1.14E-07	2.25E-03	3.54E-07	1.23E-07	3.59E-03	5.65E-07	1.97E-07
4544	498363.09, 3858877.25	2.23E-03	3.52E-07	1.23E-07	2.41E-03	3.80E-07	1.32E-07	3.85E-03	6.06E-07	2.11E-07
4545	471363.09, 3859377.25	4.06E-04	6.40E-08	2.23E-08	4.38E-04	6.91E-08	2.41E-08	6.95E-04	1.09E-07	3.81E-08
4546	471863.09, 3859377.25	4.29E-04	6.77E-08	2.36E-08	4.63E-04	7.30E-08	2.54E-08	7.35E-04	1.16E-07	4.03E-08
4547	472363.09, 3859377.25	4.68E-04	7.37E-08	2.57E-08	5.05E-04	7.96E-08	2.77E-08	8.02E-04	1.26E-07	4.40E-08
4548	472863.09, 3859377.25	5.03E-04	7.93E-08	2.76E-08	5.43E-04	8.56E-08	2.98E-08	8.62E-04	1.36E-07	4.73E-08
4549	473363.09, 3859377.25	5.47E-04	8.61E-08	3.00E-08	5.90E-04	9.30E-08	3.24E-08	9.37E-04	1.48E-07	5.14E-08
4550	473863.09, 3859377.25	5.74E-04	9.05E-08	3.15E-08	6.20E-04	9.77E-08	3.40E-08	9.84E-04	1.55E-07	5.40E-08
4551	474363.09, 3859377.25	5.11E-04	8.05E-08	2.81E-08	5.52E-04	8.69E-08	3.03E-08	8.75E-04	1.38E-07	4.80E-08
4552	474863.09, 3859377.25	3.59E-04	5.65E-08	1.97E-08	3.87E-04	6.10E-08	2.12E-08	6.12E-04	9.64E-08	3.36E-08
4553	475363.09, 3859377.25	2.28E-04	3.60E-08	1.25E-08	2.46E-04	3.88E-08	1.35E-08	3.88E-04	6.12E-08	2.13E-08
4554	475863.09, 3859377.25	1.51E-04	2.38E-08	8.30E-09	1.63E-04	2.57E-08	8.95E-09	2.57E-04	4.05E-08	1.41E-08
4555	476363.09, 3859377.25	1.38E-04	2.17E-08	7.57E-09	1.49E-04	2.34E-08	8.16E-09	2.34E-04	3.69E-08	1.28E-08
4556	476863.09, 3859377.25	1.14E-04	1.80E-08	6.26E-09	1.23E-04	1.94E-08	6.75E-09	1.93E-04	3.04E-08	1.06E-08
4557	477363.09, 3859377.25	1.24E-04	1.96E-08	6.83E-09	1.34E-04	2.11E-08	7.35E-09	2.10E-04	3.31E-08	1.15E-08
4558	477863.09, 3859377.25	2.30E-04	3.62E-08	1.26E-08	2.48E-04	3.90E-08	1.36E-08	3.89E-04	6.13E-08	2.14E-08
4559	478363.09, 3859377.25	3.75E-04	5.91E-08	2.06E-08	4.04E-04	6.37E-08	2.22E-08	6.37E-04	1.00E-07	3.50E-08
4560	478863.09, 3859377.25	6.47E-04	1.02E-07	3.55E-08	6.98E-04	1.10E-07	3.83E-08	1.11E-03	1.74E-07	6.07E-08
4561	479363.09, 3859377.25	9.67E-04	1.52E-07	5.31E-08	1.04E-03	1.64E-07	5.73E-08	1.66E-03	2.61E-07	9.09E-08
4562	479863.09, 3859377.25	1.27E-03	2.01E-07	7.00E-08	1.38E-03	2.17E-07	7.55E-08	2.18E-03	3.44E-07	1.20E-07
4563	480363.09, 3859377.25	1.56E-03	2.46E-07	8.55E-08	1.68E-03	2.65E-07	9.23E-08	2.67E-03	4.20E-07	1.46E-07
4564	480863.09, 3859377.25	1.76E-03	2.78E-07	9.68E-08	1.90E-03	3.00E-07	1.04E-07	3.01E-03	4.74E-07	1.65E-07
4565	481363.09, 3859377.25	1.96E-03	3.08E-07	1.07E-07	2.11E-03	3.33E-07	1.16E-07	3.34E-03	5.26E-07	1.83E-07
4566	481863.09, 3859377.25	2.16E-03	3.40E-07	1.19E-07	2.33E-03	3.67E-07	1.28E-07	3.69E-03	5.81E-07	2.02E-07
4567	482363.09, 3859377.25	2.36E-03	3.72E-07	1.30E-07	2.55E-03	4.01E-07	1.40E-07	4.02E-03	6.34E-07	2.21E-07
4568	482863.09, 3859377.25	2.62E-03	4.12E-07	1.44E-07	2.82E-03	4.45E-07	1.55E-07	4.46E-03	7.02E-07	2.45E-07
4569	483363.09, 3859377.25	2.89E-03	4.55E-07	1.58E-07	3.11E-03	4.90E-07	1.71E-07	4.90E-03	7.72E-07	2.69E-07
4570	483863.09, 3859377.25	3.00E-03	4.73E-07	1.65E-07	3.23E-03	5.09E-07	1.77E-07	5.07E-03	7.99E-07	2.78E-07
4571	484363.09, 3859377.25	3.26E-03	5.14E-07	1.79E-07	3.51E-03	5.54E-07	1.93E-07	5.51E-03	8.69E-07	3.03E-07
4572	484863.09, 3859377.25	3.55E-03	5.60E-07	1.95E-07	3.83E-03	6.03E-07	2.10E-07	6.01E-03	9.46E-07	3.30E-07
4573	485363.09, 3859377.25	3.82E-03	6.02E-07	2.10E-07	4.12E-03	6.49E-07	2.26E-07	6.45E-03	1.02E-06	3.54E-07
4574	485863.09, 3859377.25	4.07E-03	6.41E-07	2.23E-07	4.39E-03	6.91E-07	2.41E-07	6.86E-03	1.08E-06	3.77E-07
4575	486363.09, 3859377.25	4.33E-03	6.83E-07	2.38E-07	4.67E-03	7.35E-07	2.56E-07	7.30E-03	1.15E-06	4.00E-07
4576	486863.09, 3859377.25	4.57E-03	7.20E-07	2.51E-07	4.92E-03	7.75E-07	2.70E-07	7.68E-03	1.21E-06	4.21E-07
4577	487363.09, 3859377.25	4.79E-03	7.55E-07	2.63E-07	5.16E-03	8.13E-07	2.83E-07	8.04E-03	1.27E-06	4.41E-07
4578	487863.09, 3859377.25	5.05E-03	7.96E-07	2.77E-07	5.44E-03	8.57E-07	2.99E-07	8.44E-03	1.33E-06	4.63E-07
4579	488363.09, 3859377.25	5.33E-03	8.40E-07	2.93E-07	5.74E-03	9.04E-07	3.15E-07	8.89E-03	1.40E-06	4.88E-07
4580	488863.09, 3859377.25	5.47E-03	8.61E-07	3.00E-07	5.89E-03	9.27E-07	3.23E-07	9.16E-03	1.44E-06	5.02E-07
4581	489363.09, 3859377.25	5.27E-03	8.30E-07	2.89E-07	5.67E-03	8.93E-07	3.11E-07	8.84E-03	1.39E-06	4.85E-07
4582	489863.09, 3859377.25	5.41E-03	8.53E-07	2.97E-07	5.83E-03	9.18E-07	3.20E-07	9.09E-03	1.43E-06	4.99E-07
4583	490363.09, 3859377.25	5.42E-03	8.53E-07	2.97E-07	5.84E-03	9.20E-07	3.20E-07	9.18E-03	1.45E-06	5.04E-07
4584	490863.09, 3859377.25	5.10E-03	8.03E-07	2.80E-07	5.50E-03	8.66E-07	3.02E-07	8.71E-03	1.37E-06	4.78E-07
4585	491363.09, 3859377.25	4.10E-03	6.46E-07	2.25E-07	4.43E-03	6.97E-07	2.43E-07	7.05E-03	1.11E-06	3.87E-07
4586	491863.09, 3859377.25	4.42E-03	6.96E-07	2.43E-07	4.77E-03	7.52E-07	2.62E-07	7.59E-03	1.20E-06	4.17E-07
4587	492363.09, 3859377.25	4.17E-03	6.58E-07	2.29E-07	4.51E-03	7.10E-07	2.47E-07	7.17E-03	1.13E-06	3.94E-07
4588	492863.09, 3859377.25	3.98E-03	6.26E-07	2.18E-07	4.29E-03	6.76E-07	2.36E-07	6.83E-03	1.08E-06	3.75E-07
4589	493363.09, 3859377.25	3.62E-03	5.69E-07	1.98E-07	3.90E-03	6.15E-07	2.14E-07	6.22E-03	9.80E-07	3.41E-07
4590	493863.09, 3859377.25	3.43E-03	5.40E-07	1.88E-07	3.70E-03	5.83E-07	2.03E-07	5.90E-03	9.29E-07	3.24E-07
4591	494363.09, 3859377.25	3.16E-03	4.98E-07	1.73E-07	3.41E-03	5.37E-07	1.87E-07	5.44E-03	8.57E-07	2.99E-07
4592	494863.09, 3859377.25	2.72E-03	4.29E-07	1.49E-07	2.94E-03	4.63E-07	1.61E-07	4.69E-03	7.39E-07	2.57E-07
4593	495363.09, 3859377.25	2.57E-03	4.05E-07	1.41E-07	2.78E-03	4.38E-07	1.53E-07	4.43E-03	6.98E-07	2.43E-07
4594	495863.09, 3859377.25	2.36E-03	3.73E-07	1.30E-07	2.55E-03	4.02E-07	1.40E-07	4.07E-03	6.42E-07	2.24E-07
4595	496363.09, 3859377.25	2.31E-03	3.64E-07	1.27E-07	2.50E-03	3.94E-07	1.37E-07	3.98E-03	6.28E-07	2.19E-07
4596	496863.09, 3859377.25	2.07E-03	3.26E-07	1.14E-07	2.23E-03	3.52E-07	1.23E-07	3.56E-03	5.61E-07	1.96E-07
4597	497363.09, 3859377.25	2.11E-03	3.33E-07	1.16E-07	2.28E-03	3.59E-07	1.25E-07	3.64E-03	5.73E-07	2.00E-07
4598	497863.09, 3859377.25	2.23E-03	3.51E-07	1.22E-07	2.41E-03	3.79E-07	1.32E-07	3.84E-03	6.05E-07	2.11E-07
4599	498363.09, 3859377.25	2.26E-03	3.56E-07	1.24E-07	2.44E-03	3.84E-07	1.34E-07	3.89E-03	6.13E-07	2.13E-07
4600	471363.09, 3859877.25	4.21E-04	6.63E-08	2.31E-08	4.54E-04	7.16E-08	2.49E-08	7.21E-04	1.14E-07	3.96E-08
4601	471863.09, 3859877.25	4.49E-04	7.07E-08	2.46E-08	4.85E-04	7.63E-08	2.66E-08	7.70E-04	1.21E-07	4.22E-08
4602	472363.09, 3859877.25	4.74E-04	7.46E-08	2.60E-08	5.11E-04	8.05E-08	2.81E-08	8.12E-04	1.28E-07	4.46E-08
4603	472863.09, 3859877.25	5.12E-04	8.06E-08	2.81E-08	5.52E-04	8.70E-08	3.03E-08	8.77E-04	1.38E-07	4.81E-08
4604	473363.09, 3859877.25	5.49E-04	8.64E-08	3.01E-08	5.92E-04	9.33E-08	3.25E-08	9.39E-04	1.48E-07	5.15E-08

4605	473863.09, 3859877.25	5.81E-04	9.15E-08	3.19E-08	6.27E-04	9.87E-08	3.44E-08	9.93E-04	1.56E-07	5.45E-08
4606	474363.09, 3859877.25	5.46E-04	8.60E-08	2.99E-08	5.89E-04	9.28E-08	3.23E-08	9.33E-04	1.47E-07	5.12E-08
4607	474863.09, 3859877.25	4.61E-04	7.26E-08	2.53E-08	4.98E-04	7.84E-08	2.73E-08	7.88E-04	1.24E-07	4.32E-08
4608	475363.09, 3859877.25	2.76E-04	4.34E-08	1.51E-08	2.97E-04	4.68E-08	1.63E-08	4.69E-04	7.39E-08	2.57E-08
4609	475863.09, 3859877.25	1.46E-04	2.29E-08	7.99E-09	1.57E-04	2.47E-08	8.61E-09	2.47E-04	3.89E-08	1.36E-08
4610	476363.09, 3859877.25	9.29E-05	1.46E-08	5.10E-09	1.00E-04	1.58E-08	5.49E-09	1.57E-04	2.47E-08	8.60E-09
4611	476863.09, 3859877.25	1.07E-04	1.69E-08	5.87E-09	1.15E-04	1.82E-08	6.33E-09	1.81E-04	2.84E-08	9.91E-09
4612	477363.09, 3859877.25	1.14E-04	1.80E-08	6.26E-09	1.23E-04	1.94E-08	6.75E-09	1.92E-04	3.03E-08	1.05E-08
4613	477863.09, 3859877.25	2.04E-04	3.21E-08	1.12E-08	2.20E-04	3.46E-08	1.21E-08	3.45E-04	5.44E-08	1.90E-08
4614	478363.09, 3859877.25	3.69E-04	5.81E-08	2.03E-08	3.98E-04	6.27E-08	2.18E-08	6.27E-04	9.88E-08	3.44E-08
4615	478863.09, 3859877.25	6.34E-04	9.99E-08	3.48E-08	6.84E-04	1.08E-07	3.76E-08	1.08E-03	1.71E-07	5.94E-08
4616	479363.09, 3859877.25	9.82E-04	1.55E-07	5.39E-08	1.06E-03	1.67E-07	5.82E-08	1.68E-03	2.65E-07	9.23E-08
4617	479863.09, 3859877.25	1.25E-03	1.97E-07	6.85E-08	1.35E-03	2.12E-07	7.39E-08	2.14E-03	3.36E-07	1.17E-07
4618	480363.09, 3859877.25	1.46E-03	2.29E-07	7.99E-08	1.57E-03	2.47E-07	8.62E-08	2.49E-03	3.92E-07	1.36E-07
4619	480863.09, 3859877.25	1.61E-03	2.53E-07	8.82E-08	1.73E-03	2.73E-07	9.51E-08	2.74E-03	4.32E-07	1.50E-07
4620	481363.09, 3859877.25	1.76E-03	2.78E-07	9.67E-08	1.90E-03	2.99E-07	1.04E-07	3.00E-03	4.73E-07	1.65E-07
4621	481863.09, 3859877.25	1.91E-03	3.01E-07	1.05E-07	2.06E-03	3.25E-07	1.13E-07	3.26E-03	5.13E-07	1.79E-07
4622	482363.09, 3859877.25	2.07E-03	3.26E-07	1.14E-07	2.24E-03	3.52E-07	1.23E-07	3.53E-03	5.56E-07	1.94E-07
4623	482863.09, 3859877.25	2.25E-03	3.54E-07	1.23E-07	2.43E-03	3.82E-07	1.33E-07	3.83E-03	6.03E-07	2.10E-07
4624	483363.09, 3859877.25	2.42E-03	3.81E-07	1.33E-07	2.61E-03	4.10E-07	1.43E-07	4.11E-03	6.47E-07	2.25E-07
4625	483863.09, 3859877.25	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.23E-03	6.67E-07	2.32E-07
4626	484363.09, 3859877.25	2.63E-03	4.14E-07	1.44E-07	2.83E-03	4.46E-07	1.56E-07	4.44E-03	7.00E-07	2.44E-07
4627	484863.09, 3859877.25	2.80E-03	4.41E-07	1.54E-07	3.01E-03	4.75E-07	1.65E-07	4.73E-03	7.44E-07	2.59E-07
4628	485363.09, 3859877.25	2.94E-03	4.64E-07	1.62E-07	3.17E-03	5.00E-07	1.74E-07	4.97E-03	7.82E-07	2.73E-07
4629	485863.09, 3859877.25	3.06E-03	4.83E-07	1.68E-07	3.30E-03	5.20E-07	1.81E-07	5.16E-03	8.13E-07	2.83E-07
4630	486363.09, 3859877.25	3.17E-03	5.00E-07	1.74E-07	3.42E-03	5.39E-07	1.88E-07	5.34E-03	8.42E-07	2.93E-07
4631	486863.09, 3859877.25	3.30E-03	5.19E-07	1.81E-07	3.55E-03	5.59E-07	1.95E-07	5.55E-03	8.74E-07	3.04E-07
4632	487363.09, 3859877.25	3.31E-03	5.22E-07	1.82E-07	3.57E-03	5.62E-07	1.96E-07	5.56E-03	8.77E-07	3.05E-07
4633	487863.09, 3859877.25	3.44E-03	5.43E-07	1.89E-07	3.71E-03	5.84E-07	2.04E-07	5.78E-03	9.11E-07	3.17E-07
4634	488363.09, 3859877.25	3.50E-03	5.52E-07	1.92E-07	3.77E-03	5.94E-07	2.07E-07	5.89E-03	9.28E-07	3.23E-07
4635	488863.09, 3859877.25	3.65E-03	5.75E-07	2.00E-07	3.93E-03	6.20E-07	2.16E-07	6.17E-03	9.72E-07	3.39E-07
4636	489363.09, 3859877.25	3.69E-03	5.81E-07	2.03E-07	3.98E-03	6.27E-07	2.18E-07	6.26E-03	9.85E-07	3.43E-07
4637	489863.09, 3859877.25	3.51E-03	5.53E-07	1.93E-07	3.79E-03	5.96E-07	2.08E-07	5.96E-03	9.39E-07	3.27E-07
4638	490363.09, 3859877.25	3.44E-03	5.42E-07	1.89E-07	3.71E-03	5.84E-07	2.04E-07	5.84E-03	9.20E-07	3.21E-07
4639	490863.09, 3859877.25	3.62E-03	5.70E-07	1.99E-07	3.90E-03	6.15E-07	2.14E-07	6.15E-03	9.69E-07	3.38E-07
4640	491363.09, 3859877.25	3.64E-03	5.73E-07	2.00E-07	3.93E-03	6.18E-07	2.15E-07	6.21E-03	9.78E-07	3.41E-07
4641	491863.09, 3859877.25	3.58E-03	5.65E-07	1.97E-07	3.87E-03	6.09E-07	2.12E-07	6.13E-03	9.66E-07	3.37E-07
4642	492363.09, 3859877.25	3.48E-03	5.48E-07	1.91E-07	3.75E-03	5.91E-07	2.06E-07	5.96E-03	9.39E-07	3.27E-07
4643	492863.09, 3859877.25	3.32E-03	5.23E-07	1.82E-07	3.58E-03	5.65E-07	1.97E-07	5.69E-03	8.97E-07	3.12E-07
4644	493363.09, 3859877.25	3.16E-03	4.99E-07	1.74E-07	3.42E-03	5.38E-07	1.88E-07	5.43E-03	8.55E-07	2.98E-07
4645	493863.09, 3859877.25	3.01E-03	4.74E-07	1.65E-07	3.25E-03	5.12E-07	1.78E-07	5.17E-03	8.14E-07	2.84E-07
4646	494363.09, 3859877.25	2.84E-03	4.48E-07	1.56E-07	3.07E-03	4.83E-07	1.68E-07	4.88E-03	7.69E-07	2.68E-07
4647	494863.09, 3859877.25	2.72E-03	4.29E-07	1.49E-07	2.94E-03	4.63E-07	1.61E-07	4.68E-03	7.37E-07	2.57E-07
4648	495363.09, 3859877.25	2.58E-03	4.07E-07	1.42E-07	2.79E-03	4.39E-07	1.53E-07	4.44E-03	6.99E-07	2.44E-07
4649	495863.09, 3859877.25	2.43E-03	3.83E-07	1.33E-07	2.63E-03	4.14E-07	1.44E-07	4.18E-03	6.59E-07	2.30E-07
4650	496363.09, 3859877.25	2.20E-03	3.47E-07	1.21E-07	2.38E-03	3.75E-07	1.31E-07	3.80E-03	5.98E-07	2.08E-07
4651	496863.09, 3859877.25	1.70E-03	2.68E-07	9.33E-08	1.84E-03	2.89E-07	1.01E-07	2.93E-03	4.61E-07	1.61E-07
4652	497363.09, 3859877.25	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.41E-03	5.37E-07	1.87E-07
4653	497863.09, 3859877.25	2.13E-03	3.35E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.67E-03	5.78E-07	2.01E-07
4654	498363.09, 3859877.25	2.11E-03	3.33E-07	1.16E-07	2.28E-03	3.60E-07	1.25E-07	3.64E-03	5.74E-07	2.00E-07
4655	471363.09, 3860377.25	4.30E-04	6.77E-08	2.36E-08	4.64E-04	7.30E-08	2.54E-08	7.36E-04	1.16E-07	4.04E-08
4656	471863.09, 3860377.25	4.54E-04	7.16E-08	2.49E-08	4.90E-04	7.73E-08	2.69E-08	7.78E-04	1.23E-07	4.27E-08
4657	472363.09, 3860377.25	4.84E-04	7.62E-08	2.65E-08	5.22E-04	8.22E-08	2.86E-08	8.28E-04	1.30E-07	4.54E-08
4658	472863.09, 3860377.25	5.16E-04	8.12E-08	2.83E-08	5.56E-04	8.77E-08	3.05E-08	8.81E-04	1.39E-07	4.84E-08
4659	473363.09, 3860377.25	5.46E-04	8.60E-08	3.00E-08	5.89E-04	9.28E-08	3.23E-08	9.32E-04	1.47E-07	5.12E-08
4660	473863.09, 3860377.25	5.72E-04	9.01E-08	3.14E-08	6.17E-04	9.72E-08	3.39E-08	9.77E-04	1.54E-07	5.36E-08
4661	474363.09, 3860377.25	5.80E-04	9.14E-08	3.18E-08	6.26E-04	9.86E-08	3.44E-08	9.92E-04	1.56E-07	5.44E-08
4662	474863.09, 3860377.25	5.64E-04	8.89E-08	3.10E-08	6.09E-04	9.59E-08	3.34E-08	9.65E-04	1.52E-07	5.30E-08
4663	475363.09, 3860377.25	4.94E-04	7.78E-08	2.71E-08	5.33E-04	8.40E-08	2.93E-08	8.45E-04	1.33E-07	4.64E-08
4664	475863.09, 3860377.25	4.03E-04	6.35E-08	2.21E-08	4.35E-04	6.85E-08	2.39E-08	6.88E-04	1.08E-07	3.78E-08
4665	476363.09, 3860377.25	3.08E-04	4.85E-08	1.69E-08	3.32E-04	5.23E-08	1.82E-08	5.24E-04	8.26E-08	2.88E-08
4666	476863.09, 3860377.25	2.75E-04	4.33E-08	1.51E-08	2.97E-04	4.67E-08	1.63E-08	4.67E-04	7.36E-08	2.56E-08
4667	477363.09, 3860377.25	1.67E-04	2.63E-08	9.15E-09	1.80E-04	2.83E-08	9.86E-09	2.82E-04	4.44E-08	1.55E-08
4668	477863.09, 3860377.25	2.12E-04	3.34E-08	1.16E-08	2.28E-04	3.59E-08	1.25E-08	3.58E-04	5.65E-08	1.97E-08

4669	478363.09, 3860377.25	4.12E-04	6.49E-08	2.26E-08	4.45E-04	7.00E-08	2.44E-08	7.02E-04	1.11E-07	3.85E-08
4670	478863.09, 3860377.25	6.49E-04	1.02E-07	3.56E-08	7.00E-04	1.10E-07	3.84E-08	1.11E-03	1.75E-07	6.09E-08
4671	479363.09, 3860377.25	9.41E-04	1.48E-07	5.17E-08	1.02E-03	1.60E-07	5.58E-08	1.61E-03	2.54E-07	8.84E-08
4672	479863.09, 3860377.25	1.18E-03	1.87E-07	6.50E-08	1.28E-03	2.01E-07	7.02E-08	2.03E-03	3.19E-07	1.11E-07
4673	480363.09, 3860377.25	1.34E-03	2.11E-07	7.36E-08	1.45E-03	2.28E-07	7.94E-08	2.29E-03	3.61E-07	1.26E-07
4674	480863.09, 3860377.25	1.46E-03	2.30E-07	8.01E-08	1.58E-03	2.48E-07	8.64E-08	2.49E-03	3.92E-07	1.37E-07
4675	481363.09, 3860377.25	1.57E-03	2.48E-07	8.63E-08	1.70E-03	2.67E-07	9.31E-08	2.68E-03	4.22E-07	1.47E-07
4676	481863.09, 3860377.25	1.69E-03	2.66E-07	9.28E-08	1.82E-03	2.87E-07	1.00E-07	2.88E-03	4.54E-07	1.58E-07
4677	482363.09, 3860377.25	1.81E-03	2.85E-07	9.91E-08	1.95E-03	3.07E-07	1.07E-07	3.07E-03	4.84E-07	1.69E-07
4678	482863.09, 3860377.25	1.92E-03	3.03E-07	1.05E-07	2.07E-03	3.27E-07	1.14E-07	3.27E-03	5.15E-07	1.79E-07
4679	483363.09, 3860377.25	2.03E-03	3.21E-07	1.12E-07	2.19E-03	3.46E-07	1.20E-07	3.45E-03	5.44E-07	1.89E-07
4680	483863.09, 3860377.25	2.14E-03	3.37E-07	1.18E-07	2.31E-03	3.64E-07	1.27E-07	3.63E-03	5.71E-07	1.99E-07
4681	484363.09, 3860377.25	2.17E-03	3.42E-07	1.19E-07	2.34E-03	3.68E-07	1.28E-07	3.66E-03	5.77E-07	2.01E-07
4682	484863.09, 3860377.25	2.27E-03	3.57E-07	1.24E-07	2.44E-03	3.85E-07	1.34E-07	3.82E-03	6.02E-07	2.10E-07
4683	485363.09, 3860377.25	2.35E-03	3.70E-07	1.29E-07	2.53E-03	3.98E-07	1.39E-07	3.96E-03	6.23E-07	2.17E-07
4684	485863.09, 3860377.25	2.42E-03	3.80E-07	1.33E-07	2.60E-03	4.10E-07	1.43E-07	4.07E-03	6.41E-07	2.23E-07
4685	486363.09, 3860377.25	2.44E-03	3.85E-07	1.34E-07	2.63E-03	4.14E-07	1.44E-07	4.11E-03	6.48E-07	2.26E-07
4686	486863.09, 3860377.25	2.45E-03	3.87E-07	1.35E-07	2.64E-03	4.17E-07	1.45E-07	4.13E-03	6.51E-07	2.27E-07
4687	487363.09, 3860377.25	2.46E-03	3.88E-07	1.35E-07	2.65E-03	4.18E-07	1.46E-07	4.14E-03	6.52E-07	2.27E-07
4688	487863.09, 3860377.25	2.52E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.23E-03	6.67E-07	2.32E-07
4689	488363.09, 3860377.25	2.57E-03	4.05E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.33E-03	6.82E-07	2.38E-07
4690	488863.09, 3860377.25	2.63E-03	4.14E-07	1.44E-07	2.83E-03	4.46E-07	1.56E-07	4.45E-03	7.01E-07	2.44E-07
4691	489363.09, 3860377.25	2.71E-03	4.26E-07	1.49E-07	2.92E-03	4.60E-07	1.60E-07	4.60E-03	7.24E-07	2.52E-07
4692	489863.09, 3860377.25	2.74E-03	4.32E-07	1.51E-07	2.96E-03	4.66E-07	1.62E-07	4.67E-03	7.35E-07	2.56E-07
4693	490363.09, 3860377.25	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.42E-07	1.54E-07	4.43E-03	6.98E-07	2.43E-07
4694	490863.09, 3860377.25	2.49E-03	3.92E-07	1.37E-07	2.68E-03	4.23E-07	1.47E-07	4.24E-03	6.68E-07	2.33E-07
4695	491363.09, 3860377.25	2.51E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.28E-03	6.74E-07	2.35E-07
4696	491863.09, 3860377.25	2.60E-03	4.10E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.45E-03	7.00E-07	2.44E-07
4697	492363.09, 3860377.25	2.68E-03	4.23E-07	1.47E-07	2.90E-03	4.56E-07	1.59E-07	4.60E-03	7.24E-07	2.52E-07
4698	492863.09, 3860377.25	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.52E-07	1.57E-07	4.56E-03	7.18E-07	2.50E-07
4699	493363.09, 3860377.25	2.63E-03	4.14E-07	1.44E-07	2.84E-03	4.47E-07	1.56E-07	4.51E-03	7.11E-07	2.48E-07
4700	493863.09, 3860377.25	2.54E-03	4.00E-07	1.39E-07	2.74E-03	4.32E-07	1.50E-07	4.36E-03	6.87E-07	2.39E-07
4701	494363.09, 3860377.25	2.46E-03	3.88E-07	1.35E-07	2.66E-03	4.19E-07	1.46E-07	4.23E-03	6.67E-07	2.32E-07
4702	494863.09, 3860377.25	2.37E-03	3.74E-07	1.30E-07	2.56E-03	4.03E-07	1.41E-07	4.08E-03	6.43E-07	2.24E-07
4703	495363.09, 3860377.25	2.29E-03	3.61E-07	1.26E-07	2.48E-03	3.90E-07	1.36E-07	3.95E-03	6.22E-07	2.17E-07
4704	495863.09, 3860377.25	2.17E-03	3.41E-07	1.19E-07	2.34E-03	3.69E-07	1.28E-07	3.72E-03	5.87E-07	2.04E-07
4705	496363.09, 3860377.25	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.19E-07	3.47E-03	5.46E-07	1.90E-07
4706	496863.09, 3860377.25	1.87E-03	2.94E-07	1.03E-07	2.02E-03	3.18E-07	1.11E-07	3.22E-03	5.07E-07	1.77E-07
4707	497363.09, 3860377.25	1.68E-03	2.65E-07	9.22E-08	1.81E-03	2.86E-07	9.95E-08	2.89E-03	4.56E-07	1.59E-07
4708	497863.09, 3860377.25	1.84E-03	2.89E-07	1.01E-07	1.98E-03	3.12E-07	1.09E-07	3.16E-03	4.98E-07	1.73E-07
4709	498363.09, 3860377.25	1.87E-03	2.95E-07	1.03E-07	2.02E-03	3.18E-07	1.11E-07	3.22E-03	5.07E-07	1.77E-07
4710	471363.09, 3860877.25	4.34E-04	6.84E-08	2.38E-08	4.69E-04	7.39E-08	2.57E-08	7.43E-04	1.17E-07	4.08E-08
4711	471863.09, 3860877.25	4.58E-04	7.22E-08	2.52E-08	4.95E-04	7.79E-08	2.72E-08	7.84E-04	1.23E-07	4.30E-08
4712	472363.09, 3860877.25	4.82E-04	7.60E-08	2.65E-08	5.20E-04	8.20E-08	2.86E-08	8.24E-04	1.30E-07	4.52E-08
4713	472863.09, 3860877.25	5.09E-04	8.02E-08	2.79E-08	5.49E-04	8.66E-08	3.02E-08	8.70E-04	1.37E-07	4.77E-08
4714	473363.09, 3860877.25	5.34E-04	8.41E-08	2.93E-08	5.76E-04	9.07E-08	3.16E-08	9.11E-04	1.44E-07	5.00E-08
4715	473863.09, 3860877.25	5.58E-04	8.80E-08	3.06E-08	6.02E-04	9.49E-08	3.31E-08	9.54E-04	1.50E-07	5.23E-08
4716	474363.09, 3860877.25	5.82E-04	9.16E-08	3.19E-08	6.27E-04	9.88E-08	3.44E-08	9.94E-04	1.57E-07	5.45E-08
4717	474863.09, 3860877.25	6.09E-04	9.59E-08	3.34E-08	6.57E-04	1.03E-07	3.60E-08	1.04E-03	1.64E-07	5.71E-08
4718	475363.09, 3860877.25	6.13E-04	9.66E-08	3.37E-08	6.62E-04	1.04E-07	3.63E-08	1.05E-03	1.65E-07	5.76E-08
4719	475863.09, 3860877.25	5.87E-04	9.25E-08	3.22E-08	6.34E-04	9.98E-08	3.48E-08	1.00E-03	1.58E-07	5.52E-08
4720	476363.09, 3860877.25	5.25E-04	8.27E-08	2.88E-08	5.66E-04	8.92E-08	3.11E-08	8.98E-04	1.41E-07	4.93E-08
4721	476863.09, 3860877.25	5.01E-04	7.89E-08	2.75E-08	5.41E-04	8.52E-08	2.97E-08	8.57E-04	1.35E-07	4.70E-08
4722	477363.09, 3860877.25	5.19E-04	8.18E-08	2.85E-08	5.60E-04	8.82E-08	3.07E-08	8.88E-04	1.40E-07	4.87E-08
4723	477863.09, 3860877.25	4.41E-04	6.94E-08	2.42E-08	4.76E-04	7.49E-08	2.61E-08	7.52E-04	1.19E-07	4.13E-08
4724	478363.09, 3860877.25	2.53E-04	3.98E-08	1.39E-08	2.72E-04	4.29E-08	1.50E-08	4.28E-04	6.75E-08	2.35E-08
4725	478863.09, 3860877.25	6.02E-04	9.49E-08	3.30E-08	6.50E-04	1.02E-07	3.57E-08	1.03E-03	1.62E-07	5.65E-08
4726	479363.09, 3860877.25	9.02E-04	1.42E-07	4.95E-08	9.74E-04	1.53E-07	5.34E-08	1.55E-03	2.43E-07	8.48E-08
4727	479863.09, 3860877.25	1.10E-03	1.74E-07	6.05E-08	1.19E-03	1.87E-07	6.52E-08	1.88E-03	2.97E-07	1.03E-07
4728	480363.09, 3860877.25	1.22E-03	1.92E-07	6.70E-08	1.32E-03	2.07E-07	7.22E-08	2.08E-03	3.28E-07	1.14E-07
4729	480863.09, 3860877.25	1.31E-03	2.06E-07	7.17E-08	1.41E-03	2.22E-07	7.74E-08	2.22E-03	3.50E-07	1.22E-07
4730	481363.09, 3860877.25	1.40E-03	2.20E-07	7.67E-08	1.51E-03	2.37E-07	8.27E-08	2.38E-03	3.75E-07	1.31E-07
4731	481863.09, 3860877.25	1.48E-03	2.33E-07	8.13E-08	1.60E-03	2.52E-07	8.76E-08	2.52E-03	3.97E-07	1.38E-07
4732	482363.09, 3860877.25	1.57E-03	2.47E-07	8.62E-08	1.69E-03	2.67E-07	9.29E-08	2.67E-03	4.20E-07	1.46E-07

4733	482863.09, 3860877.25	1.65E-03	2.61E-07	9.08E-08	1.78E-03	2.81E-07	9.79E-08	2.81E-03	4.42E-07	1.54E-07
4734	483363.09, 3860877.25	1.73E-03	2.73E-07	9.50E-08	1.87E-03	2.94E-07	1.02E-07	2.93E-03	4.62E-07	1.61E-07
4735	483863.09, 3860877.25	1.80E-03	2.84E-07	9.90E-08	1.94E-03	3.06E-07	1.07E-07	3.05E-03	4.80E-07	1.67E-07
4736	484363.09, 3860877.25	1.85E-03	2.92E-07	1.02E-07	2.00E-03	3.15E-07	1.10E-07	3.13E-03	4.93E-07	1.72E-07
4737	484863.09, 3860877.25	1.87E-03	2.95E-07	1.03E-07	2.02E-03	3.18E-07	1.11E-07	3.16E-03	4.98E-07	1.73E-07
4738	485363.09, 3860877.25	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.27E-07	1.14E-07	3.25E-03	5.13E-07	1.79E-07
4739	485863.09, 3860877.25	1.98E-03	3.12E-07	1.09E-07	2.14E-03	3.37E-07	1.17E-07	3.34E-03	5.27E-07	1.84E-07
4740	486363.09, 3860877.25	1.96E-03	3.08E-07	1.07E-07	2.11E-03	3.32E-07	1.16E-07	3.30E-03	5.19E-07	1.81E-07
4741	486863.09, 3860877.25	1.94E-03	3.06E-07	1.07E-07	2.09E-03	3.30E-07	1.15E-07	3.27E-03	5.15E-07	1.79E-07
4742	487363.09, 3860877.25	1.94E-03	3.06E-07	1.07E-07	2.09E-03	3.29E-07	1.15E-07	3.27E-03	5.15E-07	1.79E-07
4743	487863.09, 3860877.25	1.94E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.26E-03	5.14E-07	1.79E-07
4744	488363.09, 3860877.25	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.19E-07	3.41E-03	5.38E-07	1.87E-07
4745	488863.09, 3860877.25	2.02E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.43E-03	5.40E-07	1.88E-07
4746	489363.09, 3860877.25	2.09E-03	3.30E-07	1.15E-07	2.26E-03	3.56E-07	1.24E-07	3.55E-03	5.60E-07	1.95E-07
4747	489863.09, 3860877.25	2.10E-03	3.30E-07	1.15E-07	2.26E-03	3.56E-07	1.24E-07	3.57E-03	5.62E-07	1.96E-07
4748	490363.09, 3860877.25	2.12E-03	3.34E-07	1.17E-07	2.29E-03	3.61E-07	1.26E-07	3.62E-03	5.70E-07	1.99E-07
4749	490863.09, 3860877.25	2.04E-03	3.22E-07	1.12E-07	2.20E-03	3.47E-07	1.21E-07	3.48E-03	5.48E-07	1.91E-07
4750	491363.09, 3860877.25	1.94E-03	3.05E-07	1.06E-07	2.09E-03	3.29E-07	1.15E-07	3.31E-03	5.21E-07	1.81E-07
4751	491863.09, 3860877.25	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.29E-03	5.18E-07	1.81E-07
4752	492363.09, 3860877.25	1.95E-03	3.07E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.33E-03	5.24E-07	1.83E-07
4753	492863.09, 3860877.25	2.02E-03	3.18E-07	1.11E-07	2.18E-03	3.43E-07	1.20E-07	3.45E-03	5.44E-07	1.90E-07
4754	493363.09, 3860877.25	2.09E-03	3.29E-07	1.14E-07	2.25E-03	3.55E-07	1.24E-07	3.58E-03	5.63E-07	1.96E-07
4755	493863.09, 3860877.25	2.07E-03	3.26E-07	1.14E-07	2.24E-03	3.52E-07	1.23E-07	3.56E-03	5.61E-07	1.95E-07
4756	494363.09, 3860877.25	2.04E-03	3.21E-07	1.12E-07	2.20E-03	3.47E-07	1.21E-07	3.50E-03	5.52E-07	1.92E-07
4757	494863.09, 3860877.25	2.00E-03	3.15E-07	1.10E-07	2.16E-03	3.40E-07	1.19E-07	3.44E-03	5.42E-07	1.89E-07
4758	495363.09, 3860877.25	1.95E-03	3.07E-07	1.07E-07	2.11E-03	3.32E-07	1.16E-07	3.36E-03	5.29E-07	1.84E-07
4759	495863.09, 3860877.25	1.89E-03	2.98E-07	1.04E-07	2.04E-03	3.22E-07	1.12E-07	3.26E-03	5.14E-07	1.79E-07
4760	496363.09, 3860877.25	1.85E-03	2.92E-07	1.02E-07	2.00E-03	3.15E-07	1.10E-07	3.19E-03	5.03E-07	1.75E-07
4761	496863.09, 3860877.25	1.77E-03	2.79E-07	9.70E-08	1.91E-03	3.01E-07	1.05E-07	3.04E-03	4.79E-07	1.67E-07
4762	497363.09, 3860877.25	1.72E-03	2.71E-07	9.43E-08	1.85E-03	2.92E-07	1.02E-07	2.95E-03	4.65E-07	1.62E-07
4763	497863.09, 3860877.25	1.66E-03	2.61E-07	9.09E-08	1.79E-03	2.82E-07	9.82E-08	2.85E-03	4.49E-07	1.56E-07
4764	498363.09, 3860877.25	1.64E-03	2.59E-07	9.01E-08	1.77E-03	2.79E-07	9.74E-08	2.83E-03	4.45E-07	1.55E-07
4765	471363.09, 3861377.25	4.33E-04	6.82E-08	2.38E-08	4.67E-04	7.36E-08	2.57E-08	7.40E-04	1.17E-07	4.06E-08
4766	471863.09, 3861377.25	4.53E-04	7.14E-08	2.49E-08	4.89E-04	7.70E-08	2.68E-08	7.74E-04	1.22E-07	4.25E-08
4767	472363.09, 3861377.25	4.74E-04	7.46E-08	2.60E-08	5.11E-04	8.05E-08	2.81E-08	8.09E-04	1.27E-07	4.44E-08
4768	472863.09, 3861377.25	4.98E-04	7.84E-08	2.73E-08	5.37E-04	8.46E-08	2.95E-08	8.50E-04	1.34E-07	4.67E-08
4769	473363.09, 3861377.25	5.21E-04	8.21E-08	2.86E-08	5.62E-04	8.86E-08	3.09E-08	8.90E-04	1.40E-07	4.89E-08
4770	473863.09, 3861377.25	5.43E-04	8.56E-08	2.98E-08	5.86E-04	9.24E-08	3.22E-08	9.28E-04	1.46E-07	5.10E-08
4771	474363.09, 3861377.25	5.73E-04	9.02E-08	3.14E-08	6.18E-04	9.73E-08	3.39E-08	9.78E-04	1.54E-07	5.37E-08
4772	474863.09, 3861377.25	5.95E-04	9.37E-08	3.26E-08	6.42E-04	1.01E-07	3.52E-08	1.02E-03	1.60E-07	5.58E-08
4773	475363.09, 3861377.25	6.27E-04	9.88E-08	3.44E-08	6.77E-04	1.07E-07	3.71E-08	1.07E-03	1.69E-07	5.88E-08
4774	475863.09, 3861377.25	6.46E-04	1.02E-07	3.55E-08	6.97E-04	1.10E-07	3.83E-08	1.10E-03	1.74E-07	6.06E-08
4775	476363.09, 3861377.25	6.51E-04	1.03E-07	3.57E-08	7.03E-04	1.11E-07	3.86E-08	1.11E-03	1.75E-07	6.11E-08
4776	476863.09, 3861377.25	6.58E-04	1.04E-07	3.61E-08	7.10E-04	1.12E-07	3.90E-08	1.13E-03	1.77E-07	6.18E-08
4777	477363.09, 3861377.25	6.68E-04	1.05E-07	3.67E-08	7.21E-04	1.14E-07	3.96E-08	1.14E-03	1.80E-07	6.28E-08
4778	477863.09, 3861377.25	5.56E-04	8.76E-08	3.05E-08	6.00E-04	9.46E-08	3.29E-08	9.52E-04	1.50E-07	5.22E-08
4779	478363.09, 3861377.25	3.14E-04	4.95E-08	1.72E-08	3.39E-04	5.34E-08	1.86E-08	5.33E-04	8.40E-08	2.93E-08
4780	478863.09, 3861377.25	4.06E-04	6.40E-08	2.23E-08	4.38E-04	6.91E-08	2.41E-08	6.92E-04	1.09E-07	3.80E-08
4781	479363.09, 3861377.25	8.10E-04	1.28E-07	4.45E-08	8.74E-04	1.38E-07	4.80E-08	1.39E-03	2.19E-07	7.62E-08
4782	479863.09, 3861377.25	9.99E-04	1.57E-07	5.48E-08	1.08E-03	1.70E-07	5.91E-08	1.71E-03	2.69E-07	9.36E-08
4783	480363.09, 3861377.25	1.10E-03	1.74E-07	6.05E-08	1.19E-03	1.87E-07	6.52E-08	1.88E-03	2.95E-07	1.03E-07
4784	480863.09, 3861377.25	1.18E-03	1.85E-07	6.45E-08	1.27E-03	2.00E-07	6.96E-08	2.00E-03	3.15E-07	1.10E-07
4785	481363.09, 3861377.25	1.24E-03	1.95E-07	6.81E-08	1.34E-03	2.11E-07	7.34E-08	2.11E-03	3.32E-07	1.16E-07
4786	481863.09, 3861377.25	1.30E-03	2.05E-07	7.16E-08	1.41E-03	2.22E-07	7.72E-08	2.21E-03	3.49E-07	1.22E-07
4787	482363.09, 3861377.25	1.37E-03	2.16E-07	7.51E-08	1.48E-03	2.33E-07	8.10E-08	2.32E-03	3.66E-07	1.27E-07
4788	482863.09, 3861377.25	1.43E-03	2.26E-07	7.87E-08	1.54E-03	2.43E-07	8.48E-08	2.43E-03	3.82E-07	1.33E-07
4789	483363.09, 3861377.25	1.49E-03	2.35E-07	8.20E-08	1.61E-03	2.54E-07	8.83E-08	2.53E-03	3.98E-07	1.39E-07
4790	483863.09, 3861377.25	1.54E-03	2.43E-07	8.47E-08	1.66E-03	2.62E-07	9.13E-08	2.61E-03	4.11E-07	1.43E-07
4791	484363.09, 3861377.25	1.59E-03	2.51E-07	8.74E-08	1.72E-03	2.70E-07	9.42E-08	2.69E-03	4.24E-07	1.48E-07
4792	484863.09, 3861377.25	1.61E-03	2.53E-07	8.82E-08	1.73E-03	2.73E-07	9.50E-08	2.71E-03	4.27E-07	1.49E-07
4793	485363.09, 3861377.25	1.61E-03	2.53E-07	8.82E-08	1.73E-03	2.73E-07	9.51E-08	2.71E-03	4.27E-07	1.49E-07
4794	485863.09, 3861377.25	1.62E-03	2.56E-07	8.91E-08	1.75E-03	2.76E-07	9.60E-08	2.74E-03	4.31E-07	1.50E-07
4795	486363.09, 3861377.25	1.61E-03	2.54E-07	8.84E-08	1.74E-03	2.73E-07	9.52E-08	2.71E-03	4.27E-07	1.49E-07
4796	486863.09, 3861377.25	1.59E-03	2.51E-07	8.75E-08	1.72E-03	2.71E-07	9.43E-08	2.68E-03	4.22E-07	1.47E-07

4797	487363.09, 3861377.25	1.59E-03	2.50E-07	8.70E-08	1.71E-03	2.69E-07	9.37E-08	2.67E-03	4.20E-07	1.46E-07
4798	487863.09, 3861377.25	1.59E-03	2.50E-07	8.70E-08	1.71E-03	2.69E-07	9.37E-08	2.67E-03	4.21E-07	1.47E-07
4799	488363.09, 3861377.25	1.59E-03	2.50E-07	8.71E-08	1.71E-03	2.69E-07	9.39E-08	2.68E-03	4.22E-07	1.47E-07
4800	488863.09, 3861377.25	1.62E-03	2.56E-07	8.91E-08	1.75E-03	2.76E-07	9.60E-08	2.75E-03	4.33E-07	1.51E-07
4801	489363.09, 3861377.25	1.64E-03	2.58E-07	9.00E-08	1.77E-03	2.79E-07	9.70E-08	2.78E-03	4.38E-07	1.53E-07
4802	489863.09, 3861377.25	1.67E-03	2.63E-07	9.18E-08	1.80E-03	2.84E-07	9.90E-08	2.84E-03	4.48E-07	1.56E-07
4803	490363.09, 3861377.25	1.70E-03	2.68E-07	9.33E-08	1.83E-03	2.89E-07	1.01E-07	2.89E-03	4.56E-07	1.59E-07
4804	490863.09, 3861377.25	1.72E-03	2.70E-07	9.42E-08	1.85E-03	2.92E-07	1.02E-07	2.93E-03	4.62E-07	1.61E-07
4805	491363.09, 3861377.25	1.66E-03	2.62E-07	9.13E-08	1.79E-03	2.83E-07	9.85E-08	2.84E-03	4.47E-07	1.56E-07
4806	491863.09, 3861377.25	1.58E-03	2.49E-07	8.66E-08	1.70E-03	2.68E-07	9.35E-08	2.70E-03	4.25E-07	1.48E-07
4807	492363.09, 3861377.25	1.54E-03	2.43E-07	8.47E-08	1.67E-03	2.62E-07	9.14E-08	2.64E-03	4.16E-07	1.45E-07
4808	492863.09, 3861377.25	1.56E-03	2.45E-07	8.54E-08	1.68E-03	2.64E-07	9.21E-08	2.66E-03	4.19E-07	1.46E-07
4809	493363.09, 3861377.25	1.60E-03	2.52E-07	8.79E-08	1.73E-03	2.72E-07	9.49E-08	2.74E-03	4.32E-07	1.50E-07
4810	493863.09, 3861377.25	1.64E-03	2.59E-07	9.01E-08	1.77E-03	2.79E-07	9.73E-08	2.82E-03	4.44E-07	1.55E-07
4811	494363.09, 3861377.25	1.66E-03	2.62E-07	9.12E-08	1.79E-03	2.83E-07	9.85E-08	2.85E-03	4.49E-07	1.57E-07
4812	494863.09, 3861377.25	1.66E-03	2.61E-07	9.11E-08	1.79E-03	2.82E-07	9.83E-08	2.85E-03	4.49E-07	1.57E-07
4813	495363.09, 3861377.25	1.64E-03	2.58E-07	8.98E-08	1.77E-03	2.78E-07	9.70E-08	2.81E-03	4.43E-07	1.54E-07
4814	495863.09, 3861377.25	1.60E-03	2.52E-07	8.76E-08	1.72E-03	2.72E-07	9.46E-08	2.75E-03	4.33E-07	1.51E-07
4815	496363.09, 3861377.25	1.58E-03	2.49E-07	8.66E-08	1.71E-03	2.69E-07	9.36E-08	2.72E-03	4.28E-07	1.49E-07
4816	496863.09, 3861377.25	1.57E-03	2.47E-07	8.60E-08	1.69E-03	2.67E-07	9.29E-08	2.70E-03	4.26E-07	1.48E-07
4817	497363.09, 3861377.25	1.53E-03	2.41E-07	8.40E-08	1.65E-03	2.60E-07	9.07E-08	2.64E-03	4.16E-07	1.45E-07
4818	497863.09, 3861377.25	1.49E-03	2.35E-07	8.19E-08	1.61E-03	2.54E-07	8.85E-08	2.58E-03	4.06E-07	1.41E-07
4819	498363.09, 3861377.25	1.46E-03	2.30E-07	8.01E-08	1.58E-03	2.48E-07	8.65E-08	2.52E-03	3.97E-07	1.38E-07
4820	471363.09, 3861877.25	4.26E-04	6.71E-08	2.34E-08	4.60E-04	7.24E-08	2.52E-08	7.28E-04	1.15E-07	3.99E-08
4821	471863.09, 3861877.25	4.44E-04	6.99E-08	2.44E-08	4.79E-04	7.55E-08	2.63E-08	7.58E-04	1.19E-07	4.16E-08
4822	472363.09, 3861877.25	4.63E-04	7.30E-08	2.54E-08	5.00E-04	7.88E-08	2.74E-08	7.92E-04	1.25E-07	4.34E-08
4823	472863.09, 3861877.25	4.85E-04	7.64E-08	2.66E-08	5.23E-04	8.24E-08	2.87E-08	8.28E-04	1.30E-07	4.54E-08
4824	473363.09, 3861877.25	5.07E-04	7.99E-08	2.78E-08	5.47E-04	8.62E-08	3.00E-08	8.66E-04	1.36E-07	4.75E-08
4825	473863.09, 3861877.25	5.29E-04	8.33E-08	2.90E-08	5.71E-04	8.99E-08	3.13E-08	9.03E-04	1.42E-07	4.96E-08
4826	474363.09, 3861877.25	5.53E-04	8.71E-08	3.04E-08	5.97E-04	9.40E-08	3.28E-08	9.44E-04	1.49E-07	5.18E-08
4827	474863.09, 3861877.25	5.76E-04	9.08E-08	3.16E-08	6.22E-04	9.79E-08	3.41E-08	9.83E-04	1.55E-07	5.40E-08
4828	475363.09, 3861877.25	6.02E-04	9.48E-08	3.30E-08	6.49E-04	1.02E-07	3.56E-08	1.03E-03	1.62E-07	5.64E-08
4829	475863.09, 3861877.25	6.31E-04	9.94E-08	3.46E-08	6.81E-04	1.07E-07	3.74E-08	1.08E-03	1.70E-07	5.91E-08
4830	476363.09, 3861877.25	6.59E-04	1.04E-07	3.61E-08	7.11E-04	1.12E-07	3.90E-08	1.12E-03	1.77E-07	6.17E-08
4831	476863.09, 3861877.25	6.78E-04	1.07E-07	3.72E-08	7.31E-04	1.15E-07	4.01E-08	1.16E-03	1.82E-07	6.35E-08
4832	477363.09, 3861877.25	6.87E-04	1.08E-07	3.77E-08	7.42E-04	1.17E-07	4.07E-08	1.18E-03	1.85E-07	6.45E-08
4833	477863.09, 3861877.25	5.57E-04	8.78E-08	3.06E-08	6.01E-04	9.48E-08	3.30E-08	9.53E-04	1.50E-07	5.23E-08
4834	478363.09, 3861877.25	2.56E-04	4.04E-08	1.41E-08	2.76E-04	4.35E-08	1.52E-08	4.35E-04	6.85E-08	2.39E-08
4835	478863.09, 3861877.25	4.64E-04	7.31E-08	2.55E-08	5.01E-04	7.89E-08	2.75E-08	7.92E-04	1.25E-07	4.35E-08
4836	479363.09, 3861877.25	4.18E-04	6.58E-08	2.29E-08	4.50E-04	7.10E-08	2.47E-08	7.12E-04	1.12E-07	3.91E-08
4837	479863.09, 3861877.25	9.04E-04	1.42E-07	4.96E-08	9.75E-04	1.54E-07	5.35E-08	1.54E-03	2.43E-07	8.47E-08
4838	480363.09, 3861877.25	1.00E-03	1.58E-07	5.49E-08	1.08E-03	1.70E-07	5.92E-08	1.70E-03	2.68E-07	9.34E-08
4839	480863.09, 3861877.25	1.05E-03	1.66E-07	5.77E-08	1.13E-03	1.79E-07	6.23E-08	1.79E-03	2.82E-07	9.81E-08
4840	481363.09, 3861877.25	1.10E-03	1.74E-07	6.05E-08	1.19E-03	1.87E-07	6.52E-08	1.87E-03	2.95E-07	1.03E-07
4841	481863.09, 3861877.25	1.15E-03	1.82E-07	6.33E-08	1.24E-03	1.96E-07	6.83E-08	1.96E-03	3.08E-07	1.07E-07
4842	482363.09, 3861877.25	1.21E-03	1.90E-07	6.63E-08	1.30E-03	2.05E-07	7.15E-08	2.05E-03	3.22E-07	1.12E-07
4843	482863.09, 3861877.25	1.26E-03	1.99E-07	6.93E-08	1.36E-03	2.14E-07	7.47E-08	2.14E-03	3.37E-07	1.17E-07
4844	483363.09, 3861877.25	1.31E-03	2.06E-07	7.17E-08	1.41E-03	2.22E-07	7.72E-08	2.21E-03	3.48E-07	1.21E-07
4845	483863.09, 3861877.25	1.34E-03	2.11E-07	7.35E-08	1.44E-03	2.27E-07	7.92E-08	2.26E-03	3.57E-07	1.24E-07
4846	484363.09, 3861877.25	1.36E-03	2.14E-07	7.46E-08	1.47E-03	2.31E-07	8.04E-08	2.30E-03	3.62E-07	1.26E-07
4847	484863.09, 3861877.25	1.39E-03	2.18E-07	7.60E-08	1.49E-03	2.35E-07	8.19E-08	2.34E-03	3.68E-07	1.28E-07
4848	485363.09, 3861877.25	1.38E-03	2.18E-07	7.60E-08	1.49E-03	2.35E-07	8.19E-08	2.34E-03	3.68E-07	1.28E-07
4849	485863.09, 3861877.25	1.37E-03	2.15E-07	7.50E-08	1.47E-03	2.32E-07	8.08E-08	2.30E-03	3.63E-07	1.26E-07
4850	486363.09, 3861877.25	1.36E-03	2.14E-07	7.44E-08	1.46E-03	2.30E-07	8.01E-08	2.28E-03	3.59E-07	1.25E-07
4851	486863.09, 3861877.25	1.34E-03	2.11E-07	7.36E-08	1.44E-03	2.27E-07	7.92E-08	2.25E-03	3.55E-07	1.24E-07
4852	487363.09, 3861877.25	1.33E-03	2.10E-07	7.31E-08	1.43E-03	2.26E-07	7.87E-08	2.24E-03	3.53E-07	1.23E-07
4853	487863.09, 3861877.25	1.33E-03	2.09E-07	7.29E-08	1.43E-03	2.25E-07	7.85E-08	2.24E-03	3.53E-07	1.23E-07
4854	488363.09, 3861877.25	1.33E-03	2.09E-07	7.29E-08	1.43E-03	2.26E-07	7.86E-08	2.24E-03	3.54E-07	1.23E-07
4855	488863.09, 3861877.25	1.34E-03	2.11E-07	7.37E-08	1.45E-03	2.28E-07	7.94E-08	2.27E-03	3.58E-07	1.25E-07
4856	489363.09, 3861877.25	1.35E-03	2.13E-07	7.42E-08	1.46E-03	2.29E-07	7.99E-08	2.29E-03	3.61E-07	1.26E-07
4857	489863.09, 3861877.25	1.37E-03	2.16E-07	7.53E-08	1.48E-03	2.33E-07	8.12E-08	2.33E-03	3.67E-07	1.28E-07
4858	490363.09, 3861877.25	1.38E-03	2.17E-07	7.57E-08	1.49E-03	2.34E-07	8.16E-08	2.35E-03	3.69E-07	1.29E-07
4859	490863.09, 3861877.25	1.40E-03	2.21E-07	7.70E-08	1.51E-03	2.39E-07	8.31E-08	2.39E-03	3.77E-07	1.31E-07
4860	491363.09, 3861877.25	1.43E-03	2.25E-07	7.84E-08	1.54E-03	2.43E-07	8.46E-08	2.44E-03	3.84E-07	1.34E-07

4861	491863.09, 3861877.25	1.40E-03	2.20E-07	7.68E-08	1.51E-03	2.38E-07	8.28E-08	2.39E-03	3.77E-07	1.31E-07
4862	492363.09, 3861877.25	1.32E-03	2.08E-07	7.25E-08	1.43E-03	2.25E-07	7.83E-08	2.26E-03	3.56E-07	1.24E-07
4863	492863.09, 3861877.25	1.28E-03	2.02E-07	7.03E-08	1.38E-03	2.18E-07	7.59E-08	2.19E-03	3.45E-07	1.20E-07
4864	493363.09, 3861877.25	1.28E-03	2.01E-07	7.01E-08	1.38E-03	2.17E-07	7.56E-08	2.18E-03	3.44E-07	1.20E-07
4865	493863.09, 3861877.25	1.30E-03	2.04E-07	7.12E-08	1.40E-03	2.21E-07	7.69E-08	2.22E-03	3.50E-07	1.22E-07
4866	494363.09, 3861877.25	1.33E-03	2.10E-07	7.32E-08	1.44E-03	2.27E-07	7.90E-08	2.29E-03	3.60E-07	1.25E-07
4867	494863.09, 3861877.25	1.37E-03	2.16E-07	7.52E-08	1.48E-03	2.33E-07	8.12E-08	2.35E-03	3.71E-07	1.29E-07
4868	495363.09, 3861877.25	1.38E-03	2.18E-07	7.60E-08	1.49E-03	2.35E-07	8.20E-08	2.38E-03	3.75E-07	1.31E-07
4869	495863.09, 3861877.25	1.38E-03	2.17E-07	7.56E-08	1.49E-03	2.34E-07	8.16E-08	2.37E-03	3.73E-07	1.30E-07
4870	496363.09, 3861877.25	1.36E-03	2.15E-07	7.48E-08	1.47E-03	2.32E-07	8.08E-08	2.35E-03	3.70E-07	1.29E-07
4871	496863.09, 3861877.25	1.40E-03	2.21E-07	7.70E-08	1.52E-03	2.39E-07	8.32E-08	2.42E-03	3.81E-07	1.33E-07
4872	497363.09, 3861877.25	1.34E-03	2.11E-07	7.34E-08	1.44E-03	2.28E-07	7.93E-08	2.31E-03	3.63E-07	1.27E-07
4873	497863.09, 3861877.25	1.30E-03	2.04E-07	7.11E-08	1.40E-03	2.20E-07	7.68E-08	2.23E-03	3.52E-07	1.23E-07
4874	498363.09, 3861877.25	1.26E-03	1.99E-07	6.94E-08	1.37E-03	2.15E-07	7.50E-08	2.18E-03	3.44E-07	1.20E-07
4875	471363.09, 3862377.25	4.16E-04	6.55E-08	2.28E-08	4.49E-04	7.07E-08	2.46E-08	7.10E-04	1.12E-07	3.90E-08
4876	471863.09, 3862377.25	4.32E-04	6.81E-08	2.37E-08	4.66E-04	7.34E-08	2.56E-08	7.38E-04	1.16E-07	4.05E-08
4877	472363.09, 3862377.25	4.51E-04	7.10E-08	2.47E-08	4.86E-04	7.66E-08	2.67E-08	7.70E-04	1.21E-07	4.22E-08
4878	472863.09, 3862377.25	4.70E-04	7.40E-08	2.58E-08	5.07E-04	7.98E-08	2.78E-08	8.02E-04	1.26E-07	4.40E-08
4879	473363.09, 3862377.25	4.89E-04	7.71E-08	2.68E-08	5.28E-04	8.31E-08	2.90E-08	8.35E-04	1.32E-07	4.58E-08
4880	473863.09, 3862377.25	5.09E-04	8.02E-08	2.79E-08	5.49E-04	8.65E-08	3.01E-08	8.68E-04	1.37E-07	4.76E-08
4881	474363.09, 3862377.25	5.28E-04	8.32E-08	2.90E-08	5.70E-04	8.98E-08	3.13E-08	9.00E-04	1.42E-07	4.94E-08
4882	474863.09, 3862377.25	5.46E-04	8.60E-08	3.00E-08	5.89E-04	9.28E-08	3.23E-08	9.31E-04	1.47E-07	5.11E-08
4883	475363.09, 3862377.25	5.71E-04	9.00E-08	3.14E-08	6.16E-04	9.71E-08	3.38E-08	9.74E-04	1.53E-07	5.35E-08
4884	475863.09, 3862377.25	5.97E-04	9.41E-08	3.28E-08	6.44E-04	1.02E-07	3.54E-08	1.02E-03	1.60E-07	5.59E-08
4885	476363.09, 3862377.25	6.23E-04	9.82E-08	3.42E-08	6.72E-04	1.06E-07	3.69E-08	1.06E-03	1.67E-07	5.83E-08
4886	476863.09, 3862377.25	6.48E-04	1.02E-07	3.56E-08	6.99E-04	1.10E-07	3.84E-08	1.11E-03	1.74E-07	6.07E-08
4887	477363.09, 3862377.25	6.65E-04	1.05E-07	3.65E-08	7.17E-04	1.13E-07	3.94E-08	1.13E-03	1.79E-07	6.22E-08
4888	477863.09, 3862377.25	5.96E-04	9.39E-08	3.27E-08	6.43E-04	1.01E-07	3.53E-08	1.02E-03	1.61E-07	5.59E-08
4889	478363.09, 3862377.25	4.83E-04	7.60E-08	2.65E-08	5.21E-04	8.20E-08	2.86E-08	8.25E-04	1.30E-07	4.53E-08
4890	478863.09, 3862377.25	5.19E-04	8.17E-08	2.85E-08	5.60E-04	8.82E-08	3.07E-08	8.87E-04	1.40E-07	4.87E-08
4891	479363.09, 3862377.25	6.28E-04	9.90E-08	3.45E-08	6.78E-04	1.07E-07	3.72E-08	1.08E-03	1.69E-07	5.90E-08
4892	479863.09, 3862377.25	8.40E-04	1.32E-07	4.61E-08	9.06E-04	1.43E-07	4.97E-08	1.43E-03	2.25E-07	7.85E-08
4893	480363.09, 3862377.25	9.05E-04	1.43E-07	4.97E-08	9.75E-04	1.54E-07	5.35E-08	1.54E-03	2.42E-07	8.43E-08
4894	480863.09, 3862377.25	9.46E-04	1.49E-07	5.19E-08	1.02E-03	1.61E-07	5.60E-08	1.60E-03	2.53E-07	8.80E-08
4895	481363.09, 3862377.25	9.89E-04	1.56E-07	5.43E-08	1.07E-03	1.68E-07	5.85E-08	1.68E-03	2.64E-07	9.20E-08
4896	481863.09, 3862377.25	1.03E-03	1.63E-07	5.67E-08	1.11E-03	1.75E-07	6.11E-08	1.75E-03	2.75E-07	9.60E-08
4897	482363.09, 3862377.25	1.08E-03	1.70E-07	5.91E-08	1.16E-03	1.83E-07	6.37E-08	1.82E-03	2.87E-07	1.00E-07
4898	482863.09, 3862377.25	1.12E-03	1.76E-07	6.14E-08	1.21E-03	1.90E-07	6.62E-08	1.89E-03	2.98E-07	1.04E-07
4899	483363.09, 3862377.25	1.15E-03	1.81E-07	6.32E-08	1.24E-03	1.96E-07	6.81E-08	1.95E-03	3.07E-07	1.07E-07
4900	483863.09, 3862377.25	1.17E-03	1.84E-07	6.41E-08	1.26E-03	1.98E-07	6.90E-08	1.97E-03	3.11E-07	1.08E-07
4901	484363.09, 3862377.25	1.19E-03	1.87E-07	6.51E-08	1.28E-03	2.01E-07	7.02E-08	2.00E-03	3.16E-07	1.10E-07
4902	484863.09, 3862377.25	1.18E-03	1.87E-07	6.50E-08	1.28E-03	2.01E-07	7.00E-08	2.00E-03	3.15E-07	1.10E-07
4903	485363.09, 3862377.25	1.18E-03	1.86E-07	6.47E-08	1.27E-03	2.00E-07	6.97E-08	1.99E-03	3.13E-07	1.09E-07
4904	485863.09, 3862377.25	1.18E-03	1.85E-07	6.46E-08	1.27E-03	2.00E-07	6.96E-08	1.98E-03	3.12E-07	1.09E-07
4905	486363.09, 3862377.25	1.16E-03	1.83E-07	6.36E-08	1.25E-03	1.97E-07	6.85E-08	1.95E-03	3.07E-07	1.07E-07
4906	486863.09, 3862377.25	1.15E-03	1.80E-07	6.28E-08	1.23E-03	1.94E-07	6.77E-08	1.92E-03	3.03E-07	1.06E-07
4907	487363.09, 3862377.25	1.13E-03	1.78E-07	6.22E-08	1.22E-03	1.92E-07	6.70E-08	1.90E-03	3.00E-07	1.05E-07
4908	487863.09, 3862377.25	1.13E-03	1.79E-07	6.22E-08	1.22E-03	1.92E-07	6.70E-08	1.91E-03	3.01E-07	1.05E-07
4909	488363.09, 3862377.25	1.14E-03	1.79E-07	6.23E-08	1.22E-03	1.93E-07	6.71E-08	1.92E-03	3.02E-07	1.05E-07
4910	488863.09, 3862377.25	1.15E-03	1.80E-07	6.29E-08	1.23E-03	1.94E-07	6.77E-08	1.94E-03	3.05E-07	1.06E-07
4911	489363.09, 3862377.25	1.16E-03	1.82E-07	6.34E-08	1.25E-03	1.96E-07	6.84E-08	1.96E-03	3.08E-07	1.07E-07
4912	489863.09, 3862377.25	1.17E-03	1.84E-07	6.42E-08	1.26E-03	1.99E-07	6.93E-08	1.99E-03	3.13E-07	1.09E-07
4913	490363.09, 3862377.25	1.18E-03	1.87E-07	6.50E-08	1.28E-03	2.01E-07	7.01E-08	2.01E-03	3.17E-07	1.11E-07
4914	490863.09, 3862377.25	1.19E-03	1.88E-07	6.54E-08	1.28E-03	2.02E-07	7.05E-08	2.03E-03	3.19E-07	1.11E-07
4915	491363.09, 3862377.25	1.21E-03	1.91E-07	6.64E-08	1.31E-03	2.06E-07	7.17E-08	2.06E-03	3.25E-07	1.13E-07
4916	491863.09, 3862377.25	1.22E-03	1.93E-07	6.71E-08	1.32E-03	2.08E-07	7.24E-08	2.09E-03	3.29E-07	1.15E-07
4917	492363.09, 3862377.25	1.20E-03	1.89E-07	6.60E-08	1.30E-03	2.04E-07	7.12E-08	2.06E-03	3.24E-07	1.13E-07
4918	492863.09, 3862377.25	1.15E-03	1.81E-07	6.30E-08	1.24E-03	1.95E-07	6.80E-08	1.96E-03	3.09E-07	1.08E-07
4919	493363.09, 3862377.25	1.11E-03	1.74E-07	6.07E-08	1.19E-03	1.88E-07	6.55E-08	1.89E-03	2.98E-07	1.04E-07
4920	493863.09, 3862377.25	1.09E-03	1.72E-07	5.99E-08	1.18E-03	1.85E-07	6.46E-08	1.87E-03	2.94E-07	1.02E-07
4921	494363.09, 3862377.25	1.09E-03	1.72E-07	6.01E-08	1.18E-03	1.86E-07	6.49E-08	1.88E-03	2.95E-07	1.03E-07
4922	494863.09, 3862377.25	1.12E-03	1.76E-07	6.14E-08	1.21E-03	1.90E-07	6.63E-08	1.92E-03	3.02E-07	1.05E-07
4923	495363.09, 3862377.25	1.14E-03	1.80E-07	6.27E-08	1.23E-03	1.94E-07	6.77E-08	1.96E-03	3.09E-07	1.08E-07
4924	495863.09, 3862377.25	1.16E-03	1.83E-07	6.39E-08	1.26E-03	1.98E-07	6.90E-08	2.00E-03	3.15E-07	1.10E-07

4925	496363.09, 3862377.25	1.17E-03	1.85E-07	6.43E-08	1.27E-03	1.99E-07	6.94E-08	2.02E-03	3.18E-07	1.11E-07
4926	496863.09, 3862377.25	1.18E-03	1.86E-07	6.46E-08	1.27E-03	2.00E-07	6.98E-08	2.03E-03	3.20E-07	1.11E-07
4927	497363.09, 3862377.25	1.16E-03	1.82E-07	6.34E-08	1.25E-03	1.97E-07	6.85E-08	1.99E-03	3.14E-07	1.09E-07
4928	497863.09, 3862377.25	1.13E-03	1.78E-07	6.21E-08	1.22E-03	1.93E-07	6.71E-08	1.95E-03	3.08E-07	1.07E-07
4929	498363.09, 3862377.25	1.10E-03	1.74E-07	6.06E-08	1.19E-03	1.88E-07	6.54E-08	1.90E-03	3.00E-07	1.04E-07
4930	471363.09, 3862877.25	4.03E-04	6.36E-08	2.21E-08	4.35E-04	6.86E-08	2.39E-08	6.89E-04	1.09E-07	3.78E-08
4931	471863.09, 3862877.25	4.19E-04	6.60E-08	2.30E-08	4.52E-04	7.12E-08	2.48E-08	7.15E-04	1.13E-07	3.92E-08
4932	472363.09, 3862877.25	4.35E-04	6.85E-08	2.38E-08	4.69E-04	7.38E-08	2.57E-08	7.41E-04	1.17E-07	4.07E-08
4933	472863.09, 3862877.25	4.51E-04	7.10E-08	2.47E-08	4.86E-04	7.66E-08	2.67E-08	7.69E-04	1.21E-07	4.22E-08
4934	473363.09, 3862877.25	4.69E-04	7.38E-08	2.57E-08	5.05E-04	7.96E-08	2.77E-08	7.99E-04	1.26E-07	4.39E-08
4935	473863.09, 3862877.25	4.85E-04	7.64E-08	2.66E-08	5.23E-04	8.24E-08	2.87E-08	8.27E-04	1.30E-07	4.54E-08
4936	474363.09, 3862877.25	5.00E-04	7.88E-08	2.75E-08	5.40E-04	8.50E-08	2.96E-08	8.53E-04	1.34E-07	4.68E-08
4937	474863.09, 3862877.25	5.18E-04	8.16E-08	2.84E-08	5.59E-04	8.80E-08	3.07E-08	8.83E-04	1.39E-07	4.84E-08
4938	475363.09, 3862877.25	5.41E-04	8.52E-08	2.97E-08	5.84E-04	9.20E-08	3.20E-08	9.22E-04	1.45E-07	5.06E-08
4939	475863.09, 3862877.25	5.63E-04	8.88E-08	3.09E-08	6.08E-04	9.57E-08	3.34E-08	9.60E-04	1.51E-07	5.27E-08
4940	476363.09, 3862877.25	5.86E-04	9.24E-08	3.22E-08	6.33E-04	9.97E-08	3.47E-08	9.99E-04	1.57E-07	5.48E-08
4941	476863.09, 3862877.25	6.07E-04	9.56E-08	3.33E-08	6.55E-04	1.03E-07	3.59E-08	1.03E-03	1.63E-07	5.67E-08
4942	477363.09, 3862877.25	6.29E-04	9.90E-08	3.45E-08	6.78E-04	1.07E-07	3.72E-08	1.07E-03	1.69E-07	5.87E-08
4943	477863.09, 3862877.25	6.27E-04	9.88E-08	3.44E-08	6.76E-04	1.07E-07	3.71E-08	1.07E-03	1.69E-07	5.87E-08
4944	478363.09, 3862877.25	5.53E-04	8.71E-08	3.03E-08	5.97E-04	9.40E-08	3.27E-08	9.46E-04	1.49E-07	5.19E-08
4945	478863.09, 3862877.25	5.83E-04	9.18E-08	3.20E-08	6.29E-04	9.91E-08	3.45E-08	9.97E-04	1.57E-07	5.47E-08
4946	479363.09, 3862877.25	6.25E-04	9.85E-08	3.43E-08	6.75E-04	1.06E-07	3.70E-08	1.07E-03	1.68E-07	5.86E-08
4947	479863.09, 3862877.25	7.88E-04	1.24E-07	4.33E-08	8.50E-04	1.34E-07	4.66E-08	1.34E-03	2.11E-07	7.34E-08
4948	480363.09, 3862877.25	8.22E-04	1.30E-07	4.51E-08	8.86E-04	1.40E-07	4.87E-08	1.39E-03	2.19E-07	7.65E-08
4949	480863.09, 3862877.25	8.60E-04	1.35E-07	4.72E-08	9.27E-04	1.46E-07	5.09E-08	1.46E-03	2.29E-07	7.99E-08
4950	481363.09, 3862877.25	8.95E-04	1.41E-07	4.91E-08	9.64E-04	1.52E-07	5.29E-08	1.51E-03	2.39E-07	8.31E-08
4951	481863.09, 3862877.25	9.36E-04	1.47E-07	5.14E-08	1.01E-03	1.59E-07	5.54E-08	1.59E-03	2.50E-07	8.70E-08
4952	482363.09, 3862877.25	9.65E-04	1.52E-07	5.30E-08	1.04E-03	1.64E-07	5.71E-08	1.63E-03	2.57E-07	8.96E-08
4953	482863.09, 3862877.25	9.97E-04	1.57E-07	5.47E-08	1.07E-03	1.69E-07	5.90E-08	1.69E-03	2.66E-07	9.26E-08
4954	483363.09, 3862877.25	1.02E-03	1.61E-07	5.60E-08	1.10E-03	1.73E-07	6.03E-08	1.72E-03	2.72E-07	9.46E-08
4955	483863.09, 3862877.25	1.03E-03	1.62E-07	5.66E-08	1.11E-03	1.75E-07	6.10E-08	1.74E-03	2.74E-07	9.55E-08
4956	484363.09, 3862877.25	1.04E-03	1.63E-07	5.69E-08	1.12E-03	1.76E-07	6.13E-08	1.75E-03	2.75E-07	9.59E-08
4957	484863.09, 3862877.25	1.03E-03	1.62E-07	5.64E-08	1.11E-03	1.74E-07	6.07E-08	1.73E-03	2.73E-07	9.50E-08
4958	485363.09, 3862877.25	1.03E-03	1.62E-07	5.63E-08	1.10E-03	1.74E-07	6.06E-08	1.73E-03	2.72E-07	9.47E-08
4959	485863.09, 3862877.25	1.02E-03	1.60E-07	5.58E-08	1.09E-03	1.72E-07	6.01E-08	1.71E-03	2.69E-07	9.38E-08
4960	486363.09, 3862877.25	1.01E-03	1.60E-07	5.56E-08	1.09E-03	1.72E-07	5.98E-08	1.70E-03	2.68E-07	9.34E-08
4961	486863.09, 3862877.25	9.94E-04	1.57E-07	5.45E-08	1.07E-03	1.69E-07	5.87E-08	1.67E-03	2.63E-07	9.16E-08
4962	487363.09, 3862877.25	9.83E-04	1.55E-07	5.39E-08	1.06E-03	1.67E-07	5.81E-08	1.65E-03	2.60E-07	9.06E-08
4963	487863.09, 3862877.25	9.81E-04	1.55E-07	5.38E-08	1.06E-03	1.66E-07	5.80E-08	1.65E-03	2.60E-07	9.06E-08
4964	488363.09, 3862877.25	9.86E-04	1.55E-07	5.41E-08	1.06E-03	1.67E-07	5.83E-08	1.66E-03	2.62E-07	9.13E-08
4965	488863.09, 3862877.25	9.92E-04	1.56E-07	5.45E-08	1.07E-03	1.68E-07	5.87E-08	1.68E-03	2.64E-07	9.21E-08
4966	489363.09, 3862877.25	9.97E-04	1.57E-07	5.47E-08	1.07E-03	1.69E-07	5.90E-08	1.69E-03	2.66E-07	9.27E-08
4967	489863.09, 3862877.25	1.01E-03	1.59E-07	5.53E-08	1.09E-03	1.71E-07	5.96E-08	1.71E-03	2.69E-07	9.38E-08
4968	490363.09, 3862877.25	1.02E-03	1.61E-07	5.60E-08	1.10E-03	1.73E-07	6.04E-08	1.73E-03	2.73E-07	9.52E-08
4969	490863.09, 3862877.25	1.03E-03	1.62E-07	5.64E-08	1.11E-03	1.75E-07	6.08E-08	1.75E-03	2.75E-07	9.59E-08
4970	491363.09, 3862877.25	1.04E-03	1.64E-07	5.72E-08	1.12E-03	1.77E-07	6.17E-08	1.78E-03	2.80E-07	9.74E-08
4971	491863.09, 3862877.25	1.05E-03	1.65E-07	5.76E-08	1.13E-03	1.78E-07	6.21E-08	1.79E-03	2.82E-07	9.82E-08
4972	492363.09, 3862877.25	1.07E-03	1.68E-07	5.86E-08	1.15E-03	1.81E-07	6.32E-08	1.82E-03	2.87E-07	1.00E-07
4973	492863.09, 3862877.25	1.05E-03	1.66E-07	5.77E-08	1.13E-03	1.79E-07	6.23E-08	1.80E-03	2.84E-07	9.88E-08
4974	493363.09, 3862877.25	1.01E-03	1.59E-07	5.54E-08	1.09E-03	1.72E-07	5.98E-08	1.73E-03	2.72E-07	9.48E-08
4975	493863.09, 3862877.25	9.73E-04	1.53E-07	5.34E-08	1.05E-03	1.65E-07	5.77E-08	1.67E-03	2.62E-07	9.14E-08
4976	494363.09, 3862877.25	9.54E-04	1.50E-07	5.23E-08	1.03E-03	1.62E-07	5.65E-08	1.63E-03	2.57E-07	8.96E-08
4977	494863.09, 3862877.25	9.44E-04	1.49E-07	5.18E-08	1.02E-03	1.60E-07	5.59E-08	1.62E-03	2.55E-07	8.88E-08
4978	495363.09, 3862877.25	9.52E-04	1.50E-07	5.22E-08	1.03E-03	1.62E-07	5.64E-08	1.63E-03	2.57E-07	8.96E-08
4979	495863.09, 3862877.25	9.73E-04	1.53E-07	5.34E-08	1.05E-03	1.66E-07	5.77E-08	1.67E-03	2.63E-07	9.17E-08
4980	496363.09, 3862877.25	9.98E-04	1.57E-07	5.48E-08	1.08E-03	1.70E-07	5.92E-08	1.72E-03	2.70E-07	9.41E-08
4981	496863.09, 3862877.25	1.02E-03	1.60E-07	5.57E-08	1.10E-03	1.73E-07	6.02E-08	1.75E-03	2.75E-07	9.59E-08
4982	497363.09, 3862877.25	1.02E-03	1.60E-07	5.58E-08	1.10E-03	1.73E-07	6.03E-08	1.75E-03	2.76E-07	9.61E-08
4983	497863.09, 3862877.25	1.01E-03	1.59E-07	5.54E-08	1.09E-03	1.72E-07	5.98E-08	1.74E-03	2.74E-07	9.55E-08
4984	498363.09, 3862877.25	9.99E-04	1.57E-07	5.48E-08	1.08E-03	1.70E-07	5.92E-08	1.72E-03	2.72E-07	9.46E-08
4985	471363.09, 3863377.25	3.89E-04	6.13E-08	2.14E-08	4.20E-04	6.62E-08	2.31E-08	6.65E-04	1.05E-07	3.65E-08
4986	471863.09, 3863377.25	4.03E-04	6.34E-08	2.21E-08	4.34E-04	6.84E-08	2.38E-08	6.87E-04	1.08E-07	3.77E-08
4987	472363.09, 3863377.25	4.16E-04	6.56E-08	2.29E-08	4.49E-04	7.08E-08	2.47E-08	7.10E-04	1.12E-07	3.90E-08
4988	472863.09, 3863377.25	4.30E-04	6.78E-08	2.36E-08	4.64E-04	7.31E-08	2.55E-08	7.33E-04	1.16E-07	4.02E-08

4989	473363.09, 3863377.25	4.44E-04	7.00E-08	2.44E-08	4.79E-04	7.55E-08	2.63E-08	7.57E-04	1.19E-07	4.15E-08
4990	473863.09, 3863377.25	4.59E-04	7.23E-08	2.52E-08	4.95E-04	7.79E-08	2.72E-08	7.81E-04	1.23E-07	4.29E-08
4991	474363.09, 3863377.25	4.74E-04	7.46E-08	2.60E-08	5.11E-04	8.05E-08	2.80E-08	8.07E-04	1.27E-07	4.43E-08
4992	474863.09, 3863377.25	4.91E-04	7.73E-08	2.69E-08	5.29E-04	8.33E-08	2.90E-08	8.35E-04	1.32E-07	4.58E-08
4993	475363.09, 3863377.25	5.09E-04	8.01E-08	2.79E-08	5.49E-04	8.64E-08	3.01E-08	8.66E-04	1.36E-07	4.75E-08
4994	475863.09, 3863377.25	5.28E-04	8.32E-08	2.90E-08	5.70E-04	8.97E-08	3.13E-08	8.99E-04	1.42E-07	4.94E-08
4995	476363.09, 3863377.25	5.48E-04	8.64E-08	3.01E-08	5.91E-04	9.31E-08	3.24E-08	9.32E-04	1.47E-07	5.12E-08
4996	476863.09, 3863377.25	5.69E-04	8.97E-08	3.12E-08	6.14E-04	9.67E-08	3.37E-08	9.68E-04	1.52E-07	5.31E-08
4997	477363.09, 3863377.25	5.91E-04	9.31E-08	3.24E-08	6.37E-04	1.00E-07	3.50E-08	1.00E-03	1.58E-07	5.51E-08
4998	477863.09, 3863377.25	6.06E-04	9.54E-08	3.33E-08	6.53E-04	1.03E-07	3.59E-08	1.03E-03	1.62E-07	5.66E-08
4999	478363.09, 3863377.25	6.02E-04	9.49E-08	3.30E-08	6.50E-04	1.02E-07	3.56E-08	1.03E-03	1.62E-07	5.63E-08
5000	478863.09, 3863377.25	6.39E-04	1.01E-07	3.51E-08	6.90E-04	1.09E-07	3.78E-08	1.09E-03	1.71E-07	5.97E-08
5001	479363.09, 3863377.25	6.89E-04	1.09E-07	3.78E-08	7.43E-04	1.17E-07	4.08E-08	1.17E-03	1.84E-07	6.41E-08
5002	479863.09, 3863377.25	7.24E-04	1.14E-07	3.97E-08	7.80E-04	1.23E-07	4.28E-08	1.23E-03	1.93E-07	6.72E-08
5003	480363.09, 3863377.25	7.52E-04	1.18E-07	4.13E-08	8.11E-04	1.28E-07	4.45E-08	1.27E-03	2.01E-07	6.99E-08
5004	480863.09, 3863377.25	7.85E-04	1.24E-07	4.31E-08	8.46E-04	1.33E-07	4.64E-08	1.33E-03	2.09E-07	7.29E-08
5005	481363.09, 3863377.25	8.12E-04	1.28E-07	4.46E-08	8.75E-04	1.38E-07	4.80E-08	1.38E-03	2.17E-07	7.55E-08
5006	481863.09, 3863377.25	8.42E-04	1.33E-07	4.62E-08	9.07E-04	1.43E-07	4.98E-08	1.42E-03	2.24E-07	7.82E-08
5007	482363.09, 3863377.25	8.69E-04	1.37E-07	4.77E-08	9.36E-04	1.48E-07	5.14E-08	1.47E-03	2.32E-07	8.07E-08
5008	482863.09, 3863377.25	8.91E-04	1.40E-07	4.89E-08	9.60E-04	1.51E-07	5.27E-08	1.51E-03	2.37E-07	8.27E-08
5009	483363.09, 3863377.25	9.07E-04	1.43E-07	4.98E-08	9.78E-04	1.54E-07	5.37E-08	1.53E-03	2.41E-07	8.41E-08
5010	483863.09, 3863377.25	9.12E-04	1.44E-07	5.01E-08	9.83E-04	1.55E-07	5.39E-08	1.54E-03	2.42E-07	8.45E-08
5011	484363.09, 3863377.25	9.08E-04	1.43E-07	4.99E-08	9.79E-04	1.54E-07	5.37E-08	1.53E-03	2.41E-07	8.40E-08
5012	484863.09, 3863377.25	9.06E-04	1.43E-07	4.97E-08	9.76E-04	1.54E-07	5.35E-08	1.52E-03	2.40E-07	8.37E-08
5013	485363.09, 3863377.25	8.97E-04	1.41E-07	4.92E-08	9.66E-04	1.52E-07	5.30E-08	1.51E-03	2.38E-07	8.28E-08
5014	485863.09, 3863377.25	8.91E-04	1.40E-07	4.89E-08	9.60E-04	1.51E-07	5.27E-08	1.50E-03	2.36E-07	8.22E-08
5015	486363.09, 3863377.25	8.87E-04	1.40E-07	4.87E-08	9.56E-04	1.51E-07	5.24E-08	1.49E-03	2.35E-07	8.18E-08
5016	486863.09, 3863377.25	8.77E-04	1.38E-07	4.81E-08	9.44E-04	1.49E-07	5.18E-08	1.47E-03	2.32E-07	8.09E-08
5017	487363.09, 3863377.25	8.66E-04	1.36E-07	4.75E-08	9.32E-04	1.47E-07	5.12E-08	1.45E-03	2.29E-07	7.98E-08
5018	487863.09, 3863377.25	8.61E-04	1.36E-07	4.72E-08	9.27E-04	1.46E-07	5.09E-08	1.45E-03	2.28E-07	7.94E-08
5019	488363.09, 3863377.25	8.63E-04	1.36E-07	4.74E-08	9.30E-04	1.46E-07	5.10E-08	1.46E-03	2.29E-07	7.99E-08
5020	488863.09, 3863377.25	8.70E-04	1.37E-07	4.78E-08	9.38E-04	1.48E-07	5.15E-08	1.47E-03	2.32E-07	8.07E-08
5021	489363.09, 3863377.25	8.72E-04	1.37E-07	4.78E-08	9.39E-04	1.48E-07	5.16E-08	1.48E-03	2.33E-07	8.10E-08
5022	489863.09, 3863377.25	8.76E-04	1.38E-07	4.81E-08	9.45E-04	1.49E-07	5.19E-08	1.49E-03	2.34E-07	8.15E-08
5023	490363.09, 3863377.25	8.88E-04	1.40E-07	4.87E-08	9.57E-04	1.51E-07	5.25E-08	1.51E-03	2.38E-07	8.27E-08
5024	490863.09, 3863377.25	9.02E-04	1.42E-07	4.95E-08	9.72E-04	1.53E-07	5.34E-08	1.53E-03	2.42E-07	8.41E-08
5025	491363.09, 3863377.25	9.02E-04	1.42E-07	4.95E-08	9.73E-04	1.53E-07	5.34E-08	1.54E-03	2.42E-07	8.43E-08
5026	491863.09, 3863377.25	9.07E-04	1.43E-07	4.98E-08	9.78E-04	1.54E-07	5.37E-08	1.55E-03	2.43E-07	8.48E-08
5027	492363.09, 3863377.25	9.32E-04	1.47E-07	5.12E-08	1.01E-03	1.58E-07	5.52E-08	1.59E-03	2.51E-07	8.73E-08
5028	492863.09, 3863377.25	9.65E-04	1.52E-07	5.30E-08	1.04E-03	1.64E-07	5.72E-08	1.65E-03	2.60E-07	9.06E-08
5029	493363.09, 3863377.25	9.65E-04	1.52E-07	5.30E-08	1.04E-03	1.64E-07	5.72E-08	1.65E-03	2.61E-07	9.08E-08
5030	493863.09, 3863377.25	9.26E-04	1.46E-07	5.08E-08	9.99E-04	1.57E-07	5.48E-08	1.59E-03	2.50E-07	8.70E-08
5031	494363.09, 3863377.25	8.80E-04	1.39E-07	4.83E-08	9.50E-04	1.50E-07	5.21E-08	1.51E-03	2.37E-07	8.27E-08
5032	494863.09, 3863377.25	8.60E-04	1.36E-07	4.72E-08	9.29E-04	1.46E-07	5.10E-08	1.47E-03	2.32E-07	8.09E-08
5033	495363.09, 3863377.25	8.59E-04	1.35E-07	4.71E-08	9.27E-04	1.46E-07	5.09E-08	1.47E-03	2.32E-07	8.08E-08
5034	495863.09, 3863377.25	8.65E-04	1.36E-07	4.75E-08	9.34E-04	1.47E-07	5.12E-08	1.48E-03	2.34E-07	8.15E-08
5035	496363.09, 3863377.25	8.54E-04	1.35E-07	4.69E-08	9.22E-04	1.45E-07	5.06E-08	1.47E-03	2.31E-07	8.04E-08
5036	496863.09, 3863377.25	8.57E-04	1.35E-07	4.71E-08	9.26E-04	1.46E-07	5.08E-08	1.47E-03	2.32E-07	8.08E-08
5037	497363.09, 3863377.25	8.77E-04	1.38E-07	4.81E-08	9.47E-04	1.49E-07	5.20E-08	1.51E-03	2.38E-07	8.28E-08
5038	497863.09, 3863377.25	8.92E-04	1.41E-07	4.90E-08	9.64E-04	1.52E-07	5.29E-08	1.54E-03	2.42E-07	8.43E-08
5039	498363.09, 3863377.25	8.95E-04	1.41E-07	4.91E-08	9.67E-04	1.52E-07	5.31E-08	1.54E-03	2.43E-07	8.47E-08
5040	471363.09, 3863877.25	3.73E-04	5.88E-08	2.05E-08	4.02E-04	6.34E-08	2.21E-08	6.36E-04	1.00E-07	3.49E-08
5041	471863.09, 3863877.25	3.84E-04	6.05E-08	2.11E-08	4.14E-04	6.52E-08	2.27E-08	6.55E-04	1.03E-07	3.59E-08
5042	472363.09, 3863877.25	3.96E-04	6.24E-08	2.17E-08	4.27E-04	6.73E-08	2.34E-08	6.75E-04	1.06E-07	3.70E-08
5043	472863.09, 3863877.25	4.08E-04	6.42E-08	2.24E-08	4.40E-04	6.93E-08	2.41E-08	6.95E-04	1.09E-07	3.81E-08
5044	473363.09, 3863877.25	4.20E-04	6.61E-08	2.30E-08	4.53E-04	7.13E-08	2.48E-08	7.14E-04	1.13E-07	3.92E-08
5045	473863.09, 3863877.25	4.33E-04	6.81E-08	2.37E-08	4.66E-04	7.35E-08	2.56E-08	7.36E-04	1.16E-07	4.04E-08
5046	474363.09, 3863877.25	4.46E-04	7.03E-08	2.45E-08	4.81E-04	7.58E-08	2.64E-08	7.59E-04	1.20E-07	4.17E-08
5047	474863.09, 3863877.25	4.60E-04	7.25E-08	2.53E-08	4.96E-04	7.82E-08	2.72E-08	7.83E-04	1.23E-07	4.30E-08
5048	475363.09, 3863877.25	4.77E-04	7.51E-08	2.62E-08	5.14E-04	8.10E-08	2.82E-08	8.11E-04	1.28E-07	4.45E-08
5049	475863.09, 3863877.25	4.93E-04	7.76E-08	2.70E-08	5.31E-04	8.37E-08	2.92E-08	8.37E-04	1.32E-07	4.60E-08
5050	476363.09, 3863877.25	5.10E-04	8.04E-08	2.80E-08	5.50E-04	8.66E-08	3.02E-08	8.66E-04	1.36E-07	4.75E-08
5051	476863.09, 3863877.25	5.29E-04	8.33E-08	2.90E-08	5.70E-04	8.98E-08	3.13E-08	8.97E-04	1.41E-07	4.92E-08
5052	477363.09, 3863877.25	5.49E-04	8.65E-08	3.01E-08	5.92E-04	9.33E-08	3.25E-08	9.32E-04	1.47E-07	5.11E-08

5053	477863.09, 3863877.25	5.71E-04	8.99E-08	3.13E-08	6.15E-04	9.69E-08	3.38E-08	9.69E-04	1.53E-07	5.32E-08
5054	478363.09, 3863877.25	5.82E-04	9.16E-08	3.19E-08	6.27E-04	9.88E-08	3.44E-08	9.88E-04	1.56E-07	5.42E-08
5055	478863.09, 3863877.25	6.21E-04	9.78E-08	3.41E-08	6.70E-04	1.05E-07	3.67E-08	1.05E-03	1.66E-07	5.78E-08
5056	479363.09, 3863877.25	6.46E-04	1.02E-07	3.54E-08	6.96E-04	1.10E-07	3.82E-08	1.09E-03	1.72E-07	6.00E-08
5057	479863.09, 3863877.25	6.67E-04	1.05E-07	3.66E-08	7.19E-04	1.13E-07	3.95E-08	1.13E-03	1.78E-07	6.20E-08
5058	480363.09, 3863877.25	6.91E-04	1.09E-07	3.79E-08	7.45E-04	1.17E-07	4.09E-08	1.17E-03	1.84E-07	6.42E-08
5059	480863.09, 3863877.25	7.18E-04	1.13E-07	3.94E-08	7.74E-04	1.22E-07	4.25E-08	1.22E-03	1.92E-07	6.67E-08
5060	481363.09, 3863877.25	7.42E-04	1.17E-07	4.07E-08	7.99E-04	1.26E-07	4.39E-08	1.26E-03	1.98E-07	6.89E-08
5061	481863.09, 3863877.25	7.64E-04	1.20E-07	4.19E-08	8.23E-04	1.30E-07	4.52E-08	1.29E-03	2.04E-07	7.09E-08
5062	482363.09, 3863877.25	7.87E-04	1.24E-07	4.32E-08	8.48E-04	1.34E-07	4.65E-08	1.33E-03	2.10E-07	7.30E-08
5063	482863.09, 3863877.25	8.02E-04	1.26E-07	4.40E-08	8.64E-04	1.36E-07	4.74E-08	1.36E-03	2.14E-07	7.44E-08
5064	483363.09, 3863877.25	8.10E-04	1.28E-07	4.45E-08	8.73E-04	1.38E-07	4.79E-08	1.37E-03	2.16E-07	7.51E-08
5065	483863.09, 3863877.25	8.12E-04	1.28E-07	4.46E-08	8.75E-04	1.38E-07	4.80E-08	1.37E-03	2.16E-07	7.51E-08
5066	484363.09, 3863877.25	8.06E-04	1.27E-07	4.42E-08	8.68E-04	1.37E-07	4.77E-08	1.36E-03	2.14E-07	7.45E-08
5067	484863.09, 3863877.25	8.01E-04	1.26E-07	4.40E-08	8.62E-04	1.36E-07	4.73E-08	1.35E-03	2.12E-07	7.39E-08
5068	485363.09, 3863877.25	7.94E-04	1.25E-07	4.36E-08	8.55E-04	1.35E-07	4.69E-08	1.33E-03	2.10E-07	7.32E-08
5069	485863.09, 3863877.25	7.93E-04	1.25E-07	4.35E-08	8.53E-04	1.34E-07	4.68E-08	1.33E-03	2.10E-07	7.30E-08
5070	486363.09, 3863877.25	7.86E-04	1.24E-07	4.31E-08	8.46E-04	1.33E-07	4.65E-08	1.32E-03	2.08E-07	7.25E-08
5071	486863.09, 3863877.25	7.77E-04	1.22E-07	4.26E-08	8.36E-04	1.32E-07	4.59E-08	1.30E-03	2.05E-07	7.16E-08
5072	487363.09, 3863877.25	7.69E-04	1.21E-07	4.22E-08	8.27E-04	1.30E-07	4.54E-08	1.29E-03	2.03E-07	7.08E-08
5073	487863.09, 3863877.25	7.63E-04	1.20E-07	4.19E-08	8.22E-04	1.30E-07	4.51E-08	1.28E-03	2.02E-07	7.04E-08
5074	488363.09, 3863877.25	7.65E-04	1.21E-07	4.20E-08	8.24E-04	1.30E-07	4.52E-08	1.29E-03	2.03E-07	7.07E-08
5075	488863.09, 3863877.25	7.71E-04	1.21E-07	4.23E-08	8.30E-04	1.31E-07	4.56E-08	1.30E-03	2.05E-07	7.15E-08
5076	489363.09, 3863877.25	7.73E-04	1.22E-07	4.24E-08	8.33E-04	1.31E-07	4.57E-08	1.31E-03	2.06E-07	7.18E-08
5077	489863.09, 3863877.25	7.75E-04	1.22E-07	4.25E-08	8.35E-04	1.32E-07	4.58E-08	1.31E-03	2.07E-07	7.20E-08
5078	490363.09, 3863877.25	7.82E-04	1.23E-07	4.29E-08	8.43E-04	1.33E-07	4.63E-08	1.33E-03	2.09E-07	7.28E-08
5079	490863.09, 3863877.25	7.93E-04	1.25E-07	4.35E-08	8.55E-04	1.35E-07	4.69E-08	1.35E-03	2.12E-07	7.39E-08
5080	491363.09, 3863877.25	8.00E-04	1.26E-07	4.39E-08	8.63E-04	1.36E-07	4.74E-08	1.36E-03	2.14E-07	7.47E-08
5081	491863.09, 3863877.25	8.20E-04	1.29E-07	4.50E-08	8.85E-04	1.39E-07	4.86E-08	1.40E-03	2.20E-07	7.67E-08
5082	492363.09, 3863877.25	8.37E-04	1.32E-07	4.59E-08	9.03E-04	1.42E-07	4.95E-08	1.43E-03	2.25E-07	7.84E-08
5083	492863.09, 3863877.25	8.43E-04	1.33E-07	4.63E-08	9.09E-04	1.43E-07	4.99E-08	1.44E-03	2.27E-07	7.90E-08
5084	493363.09, 3863877.25	8.75E-04	1.38E-07	4.80E-08	9.44E-04	1.49E-07	5.18E-08	1.50E-03	2.36E-07	8.21E-08
5085	493863.09, 3863877.25	8.67E-04	1.37E-07	4.76E-08	9.35E-04	1.47E-07	5.13E-08	1.48E-03	2.34E-07	8.14E-08
5086	494363.09, 3863877.25	8.32E-04	1.31E-07	4.57E-08	8.98E-04	1.41E-07	4.93E-08	1.43E-03	2.25E-07	7.82E-08
5087	494863.09, 3863877.25	7.94E-04	1.25E-07	4.36E-08	8.57E-04	1.35E-07	4.70E-08	1.36E-03	2.14E-07	7.47E-08
5088	495363.09, 3863877.25	7.72E-04	1.22E-07	4.24E-08	8.33E-04	1.31E-07	4.57E-08	1.32E-03	2.08E-07	7.26E-08
5089	495863.09, 3863877.25	7.64E-04	1.20E-07	4.19E-08	8.25E-04	1.30E-07	4.53E-08	1.31E-03	2.06E-07	7.19E-08
5090	496363.09, 3863877.25	7.57E-04	1.19E-07	4.16E-08	8.17E-04	1.29E-07	4.49E-08	1.30E-03	2.05E-07	7.13E-08
5091	496863.09, 3863877.25	7.55E-04	1.19E-07	4.14E-08	8.15E-04	1.28E-07	4.47E-08	1.30E-03	2.04E-07	7.11E-08
5092	497363.09, 3863877.25	7.60E-04	1.20E-07	4.17E-08	8.21E-04	1.29E-07	4.51E-08	1.31E-03	2.06E-07	7.17E-08
5093	497863.09, 3863877.25	7.75E-04	1.22E-07	4.25E-08	8.37E-04	1.32E-07	4.59E-08	1.33E-03	2.10E-07	7.31E-08
5094	498363.09, 3863877.25	7.87E-04	1.24E-07	4.32E-08	8.50E-04	1.34E-07	4.66E-08	1.35E-03	2.13E-07	7.44E-08
5095	471363.09, 3864377.25	3.56E-04	5.60E-08	1.95E-08	3.84E-04	6.05E-08	2.11E-08	6.06E-04	9.55E-08	3.33E-08
5096	471863.09, 3864377.25	3.66E-04	5.76E-08	2.01E-08	3.94E-04	6.21E-08	2.16E-08	6.23E-04	9.82E-08	3.42E-08
5097	472363.09, 3864377.25	3.76E-04	5.92E-08	2.06E-08	4.05E-04	6.38E-08	2.22E-08	6.40E-04	1.01E-07	3.51E-08
5098	472863.09, 3864377.25	3.86E-04	6.08E-08	2.12E-08	4.16E-04	6.55E-08	2.28E-08	6.57E-04	1.03E-07	3.60E-08
5099	473363.09, 3864377.25	3.96E-04	6.24E-08	2.17E-08	4.27E-04	6.73E-08	2.34E-08	6.74E-04	1.06E-07	3.70E-08
5100	473863.09, 3864377.25	4.07E-04	6.41E-08	2.23E-08	4.39E-04	6.91E-08	2.41E-08	6.92E-04	1.09E-07	3.80E-08
5101	474363.09, 3864377.25	4.19E-04	6.61E-08	2.30E-08	4.52E-04	7.12E-08	2.48E-08	7.13E-04	1.12E-07	3.91E-08
5102	474863.09, 3864377.25	4.32E-04	6.80E-08	2.37E-08	4.65E-04	7.33E-08	2.55E-08	7.33E-04	1.15E-07	4.02E-08
5103	475363.09, 3864377.25	4.46E-04	7.02E-08	2.45E-08	4.80E-04	7.57E-08	2.64E-08	7.56E-04	1.19E-07	4.15E-08
5104	475863.09, 3864377.25	4.59E-04	7.23E-08	2.52E-08	4.95E-04	7.80E-08	2.72E-08	7.79E-04	1.23E-07	4.27E-08
5105	476363.09, 3864377.25	4.75E-04	7.48E-08	2.61E-08	5.12E-04	8.07E-08	2.81E-08	8.05E-04	1.27E-07	4.42E-08
5106	476863.09, 3864377.25	4.93E-04	7.77E-08	2.71E-08	5.31E-04	8.37E-08	2.92E-08	8.35E-04	1.32E-07	4.58E-08
5107	477363.09, 3864377.25	5.12E-04	8.07E-08	2.81E-08	5.52E-04	8.70E-08	3.03E-08	8.68E-04	1.37E-07	4.76E-08
5108	477863.09, 3864377.25	5.34E-04	8.41E-08	2.93E-08	5.75E-04	9.07E-08	3.16E-08	9.04E-04	1.42E-07	4.96E-08
5109	478363.09, 3864377.25	5.56E-04	8.76E-08	3.05E-08	6.00E-04	9.45E-08	3.29E-08	9.43E-04	1.48E-07	5.17E-08
5110	478863.09, 3864377.25	5.78E-04	9.10E-08	3.17E-08	6.23E-04	9.81E-08	3.42E-08	9.79E-04	1.54E-07	5.37E-08
5111	479363.09, 3864377.25	5.96E-04	9.39E-08	3.27E-08	6.42E-04	1.01E-07	3.52E-08	1.01E-03	1.59E-07	5.54E-08
5112	479863.09, 3864377.25	6.16E-04	9.71E-08	3.38E-08	6.64E-04	1.05E-07	3.65E-08	1.04E-03	1.64E-07	5.73E-08
5113	480363.09, 3864377.25	6.39E-04	1.01E-07	3.51E-08	6.89E-04	1.09E-07	3.78E-08	1.08E-03	1.71E-07	5.94E-08
5114	480863.09, 3864377.25	6.58E-04	1.04E-07	3.61E-08	7.10E-04	1.12E-07	3.89E-08	1.11E-03	1.76E-07	6.12E-08
5115	481363.09, 3864377.25	6.78E-04	1.07E-07	3.72E-08	7.30E-04	1.15E-07	4.01E-08	1.15E-03	1.81E-07	6.29E-08
5116	481863.09, 3864377.25	6.96E-04	1.10E-07	3.82E-08	7.50E-04	1.18E-07	4.12E-08	1.18E-03	1.85E-07	6.46E-08

5117	482363.09, 3864377.25	7.13E-04	1.12E-07	3.91E-08	7.68E-04	1.21E-07	4.21E-08	1.20E-03	1.90E-07	6.61E-08
5118	482863.09, 3864377.25	7.24E-04	1.14E-07	3.97E-08	7.80E-04	1.23E-07	4.28E-08	1.22E-03	1.93E-07	6.71E-08
5119	483363.09, 3864377.25	7.27E-04	1.15E-07	3.99E-08	7.83E-04	1.23E-07	4.30E-08	1.23E-03	1.93E-07	6.73E-08
5120	483863.09, 3864377.25	7.25E-04	1.14E-07	3.98E-08	7.81E-04	1.23E-07	4.29E-08	1.22E-03	1.92E-07	6.70E-08
5121	484363.09, 3864377.25	7.20E-04	1.13E-07	3.95E-08	7.76E-04	1.22E-07	4.26E-08	1.21E-03	1.91E-07	6.65E-08
5122	484863.09, 3864377.25	7.12E-04	1.12E-07	3.91E-08	7.67E-04	1.21E-07	4.21E-08	1.20E-03	1.89E-07	6.57E-08
5123	485363.09, 3864377.25	7.06E-04	1.11E-07	3.88E-08	7.61E-04	1.20E-07	4.17E-08	1.19E-03	1.87E-07	6.51E-08
5124	485863.09, 3864377.25	7.05E-04	1.11E-07	3.87E-08	7.59E-04	1.20E-07	4.16E-08	1.18E-03	1.86E-07	6.49E-08
5125	486363.09, 3864377.25	7.02E-04	1.11E-07	3.85E-08	7.56E-04	1.19E-07	4.15E-08	1.18E-03	1.86E-07	6.47E-08
5126	486863.09, 3864377.25	6.94E-04	1.09E-07	3.81E-08	7.48E-04	1.18E-07	4.10E-08	1.16E-03	1.84E-07	6.39E-08
5127	487363.09, 3864377.25	6.89E-04	1.09E-07	3.78E-08	7.42E-04	1.17E-07	4.07E-08	1.16E-03	1.82E-07	6.35E-08
5128	487863.09, 3864377.25	6.85E-04	1.08E-07	3.76E-08	7.38E-04	1.16E-07	4.05E-08	1.15E-03	1.81E-07	6.32E-08
5129	488363.09, 3864377.25	6.84E-04	1.08E-07	3.75E-08	7.36E-04	1.16E-07	4.04E-08	1.15E-03	1.81E-07	6.31E-08
5130	488863.09, 3864377.25	6.89E-04	1.09E-07	3.78E-08	7.42E-04	1.17E-07	4.07E-08	1.16E-03	1.83E-07	6.38E-08
5131	489363.09, 3864377.25	6.92E-04	1.09E-07	3.80E-08	7.45E-04	1.17E-07	4.09E-08	1.17E-03	1.84E-07	6.42E-08
5132	489863.09, 3864377.25	6.93E-04	1.09E-07	3.80E-08	7.47E-04	1.18E-07	4.10E-08	1.17E-03	1.85E-07	6.44E-08
5133	490363.09, 3864377.25	6.97E-04	1.10E-07	3.83E-08	7.52E-04	1.18E-07	4.13E-08	1.18E-03	1.86E-07	6.49E-08
5134	490863.09, 3864377.25	7.09E-04	1.12E-07	3.89E-08	7.65E-04	1.20E-07	4.20E-08	1.20E-03	1.90E-07	6.61E-08
5135	491363.09, 3864377.25	7.39E-04	1.16E-07	4.06E-08	7.97E-04	1.26E-07	4.37E-08	1.26E-03	1.98E-07	6.90E-08
5136	491863.09, 3864377.25	4.54E-04	7.15E-08	2.49E-08	4.90E-04	7.71E-08	2.69E-08	7.75E-04	1.22E-07	4.26E-08
5137	492363.09, 3864377.25	6.92E-04	1.09E-07	3.80E-08	7.47E-04	1.18E-07	4.10E-08	1.18E-03	1.86E-07	6.49E-08
5138	492863.09, 3864377.25	5.25E-04	8.27E-08	2.88E-08	5.67E-04	8.93E-08	3.11E-08	9.00E-04	1.42E-07	4.94E-08
5139	493363.09, 3864377.25	6.90E-04	1.09E-07	3.79E-08	7.44E-04	1.17E-07	4.09E-08	1.18E-03	1.86E-07	6.48E-08
5140	493863.09, 3864377.25	7.75E-04	1.22E-07	4.26E-08	8.37E-04	1.32E-07	4.59E-08	1.33E-03	2.09E-07	7.28E-08
5141	494363.09, 3864377.25	7.85E-04	1.24E-07	4.31E-08	8.47E-04	1.33E-07	4.65E-08	1.34E-03	2.12E-07	7.37E-08
5142	494863.09, 3864377.25	7.51E-04	1.18E-07	4.12E-08	8.10E-04	1.28E-07	4.45E-08	1.29E-03	2.03E-07	7.06E-08
5143	495363.09, 3864377.25	7.17E-04	1.13E-07	3.93E-08	7.74E-04	1.22E-07	4.25E-08	1.23E-03	1.93E-07	6.74E-08
5144	495863.09, 3864377.25	6.94E-04	1.09E-07	3.81E-08	7.49E-04	1.18E-07	4.11E-08	1.19E-03	1.87E-07	6.52E-08
5145	496363.09, 3864377.25	6.83E-04	1.08E-07	3.75E-08	7.37E-04	1.16E-07	4.05E-08	1.17E-03	1.84E-07	6.42E-08
5146	496863.09, 3864377.25	6.79E-04	1.07E-07	3.73E-08	7.33E-04	1.15E-07	4.02E-08	1.16E-03	1.83E-07	6.39E-08
5147	497363.09, 3864377.25	6.76E-04	1.06E-07	3.71E-08	7.30E-04	1.15E-07	4.01E-08	1.16E-03	1.83E-07	6.37E-08
5148	497863.09, 3864377.25	6.86E-04	1.08E-07	3.76E-08	7.40E-04	1.17E-07	4.06E-08	1.18E-03	1.86E-07	6.47E-08
5149	498363.09, 3864377.25	6.89E-04	1.08E-07	3.78E-08	7.44E-04	1.17E-07	4.08E-08	1.18E-03	1.87E-07	6.50E-08
5150	471363.09, 3864877.25	3.39E-04	5.34E-08	1.86E-08	3.65E-04	5.76E-08	2.01E-08	5.77E-04	9.09E-08	3.17E-08
5151	471863.09, 3864877.25	3.47E-04	5.47E-08	1.91E-08	3.75E-04	5.90E-08	2.06E-08	5.91E-04	9.32E-08	3.25E-08
5152	472363.09, 3864877.25	3.55E-04	5.60E-08	1.95E-08	3.83E-04	6.04E-08	2.10E-08	6.05E-04	9.53E-08	3.32E-08
5153	472863.09, 3864877.25	3.64E-04	5.73E-08	2.00E-08	3.92E-04	6.18E-08	2.15E-08	6.19E-04	9.75E-08	3.40E-08
5154	473363.09, 3864877.25	3.73E-04	5.87E-08	2.04E-08	4.02E-04	6.33E-08	2.20E-08	6.33E-04	9.97E-08	3.47E-08
5155	473863.09, 3864877.25	3.82E-04	6.02E-08	2.10E-08	4.12E-04	6.49E-08	2.26E-08	6.49E-04	1.02E-07	3.56E-08
5156	474363.09, 3864877.25	3.93E-04	6.19E-08	2.16E-08	4.23E-04	6.67E-08	2.32E-08	6.67E-04	1.05E-07	3.66E-08
5157	474863.09, 3864877.25	4.04E-04	6.36E-08	2.22E-08	4.35E-04	6.86E-08	2.39E-08	6.85E-04	1.08E-07	3.76E-08
5158	475363.09, 3864877.25	4.16E-04	6.55E-08	2.28E-08	4.48E-04	7.06E-08	2.46E-08	7.05E-04	1.11E-07	3.87E-08
5159	475863.09, 3864877.25	4.29E-04	6.76E-08	2.35E-08	4.62E-04	7.28E-08	2.54E-08	7.26E-04	1.14E-07	3.99E-08
5160	476363.09, 3864877.25	4.44E-04	7.00E-08	2.44E-08	4.79E-04	7.55E-08	2.63E-08	7.52E-04	1.19E-07	4.13E-08
5161	476863.09, 3864877.25	4.63E-04	7.29E-08	2.54E-08	4.99E-04	7.86E-08	2.74E-08	7.84E-04	1.23E-07	4.30E-08
5162	477363.09, 3864877.25	4.81E-04	7.58E-08	2.64E-08	5.19E-04	8.17E-08	2.85E-08	8.15E-04	1.28E-07	4.47E-08
5163	477863.09, 3864877.25	5.01E-04	7.90E-08	2.75E-08	5.40E-04	8.51E-08	2.96E-08	8.49E-04	1.34E-07	4.66E-08
5164	478363.09, 3864877.25	5.20E-04	8.19E-08	2.85E-08	5.60E-04	8.82E-08	3.07E-08	8.80E-04	1.39E-07	4.83E-08
5165	478863.09, 3864877.25	5.36E-04	8.45E-08	2.94E-08	5.78E-04	9.11E-08	3.17E-08	9.08E-04	1.43E-07	4.98E-08
5166	479363.09, 3864877.25	5.53E-04	8.71E-08	3.03E-08	5.96E-04	9.38E-08	3.27E-08	9.35E-04	1.47E-07	5.13E-08
5167	479863.09, 3864877.25	5.69E-04	8.97E-08	3.13E-08	6.14E-04	9.67E-08	3.37E-08	9.64E-04	1.52E-07	5.29E-08
5168	480363.09, 3864877.25	5.90E-04	9.29E-08	3.24E-08	6.36E-04	1.00E-07	3.49E-08	9.98E-04	1.57E-07	5.48E-08
5169	480863.09, 3864877.25	6.06E-04	9.55E-08	3.33E-08	6.53E-04	1.03E-07	3.58E-08	1.03E-03	1.62E-07	5.63E-08
5170	481363.09, 3864877.25	6.22E-04	9.79E-08	3.41E-08	6.70E-04	1.06E-07	3.68E-08	1.05E-03	1.66E-07	5.77E-08
5171	481863.09, 3864877.25	6.35E-04	1.00E-07	3.48E-08	6.84E-04	1.08E-07	3.76E-08	1.07E-03	1.69E-07	5.89E-08
5172	482363.09, 3864877.25	6.47E-04	1.02E-07	3.55E-08	6.97E-04	1.10E-07	3.83E-08	1.09E-03	1.72E-07	6.00E-08
5173	482863.09, 3864877.25	6.55E-04	1.03E-07	3.59E-08	7.06E-04	1.11E-07	3.87E-08	1.11E-03	1.74E-07	6.07E-08
5174	483363.09, 3864877.25	6.57E-04	1.03E-07	3.61E-08	7.08E-04	1.11E-07	3.88E-08	1.11E-03	1.75E-07	6.08E-08
5175	483863.09, 3864877.25	6.52E-04	1.03E-07	3.58E-08	7.03E-04	1.11E-07	3.86E-08	1.10E-03	1.73E-07	6.03E-08
5176	484363.09, 3864877.25	6.47E-04	1.02E-07	3.55E-08	6.97E-04	1.10E-07	3.82E-08	1.09E-03	1.71E-07	5.97E-08
5177	484863.09, 3864877.25	6.40E-04	1.01E-07	3.51E-08	6.90E-04	1.09E-07	3.78E-08	1.08E-03	1.69E-07	5.90E-08
5178	485363.09, 3864877.25	6.37E-04	1.00E-07	3.50E-08	6.86E-04	1.08E-07	3.76E-08	1.07E-03	1.68E-07	5.86E-08
5179	485863.09, 3864877.25	6.34E-04	9.99E-08	3.48E-08	6.82E-04	1.08E-07	3.75E-08	1.06E-03	1.68E-07	5.84E-08
5180	486363.09, 3864877.25	6.30E-04	9.93E-08	3.46E-08	6.79E-04	1.07E-07	3.72E-08	1.06E-03	1.67E-07	5.80E-08

5181	486863.09, 3864877.25	6.25E-04	9.84E-08	3.43E-08	6.73E-04	1.06E-07	3.69E-08	1.05E-03	1.65E-07	5.75E-08
5182	487363.09, 3864877.25	6.21E-04	9.78E-08	3.41E-08	6.68E-04	1.05E-07	3.67E-08	1.04E-03	1.64E-07	5.71E-08
5183	487863.09, 3864877.25	6.18E-04	9.73E-08	3.39E-08	6.65E-04	1.05E-07	3.65E-08	1.04E-03	1.63E-07	5.69E-08
5184	488363.09, 3864877.25	6.18E-04	9.73E-08	3.39E-08	6.65E-04	1.05E-07	3.65E-08	1.04E-03	1.64E-07	5.70E-08
5185	488863.09, 3864877.25	6.21E-04	9.78E-08	3.41E-08	6.69E-04	1.05E-07	3.67E-08	1.05E-03	1.65E-07	5.74E-08
5186	489363.09, 3864877.25	6.23E-04	9.82E-08	3.42E-08	6.72E-04	1.06E-07	3.69E-08	1.05E-03	1.66E-07	5.78E-08
5187	489863.09, 3864877.25	6.24E-04	9.83E-08	3.43E-08	6.73E-04	1.06E-07	3.69E-08	1.06E-03	1.66E-07	5.80E-08
5188	490363.09, 3864877.25	6.28E-04	9.89E-08	3.44E-08	6.77E-04	1.07E-07	3.71E-08	1.06E-03	1.67E-07	5.83E-08
5189	490863.09, 3864877.25	6.47E-04	1.02E-07	3.55E-08	6.98E-04	1.10E-07	3.83E-08	1.10E-03	1.73E-07	6.03E-08
5190	491363.09, 3864877.25	6.62E-04	1.04E-07	3.63E-08	7.14E-04	1.12E-07	3.92E-08	1.12E-03	1.77E-07	6.17E-08
5191	491863.09, 3864877.25	6.59E-04	1.04E-07	3.62E-08	7.11E-04	1.12E-07	3.90E-08	1.12E-03	1.77E-07	6.16E-08
5192	492363.09, 3864877.25	2.70E-04	4.25E-08	1.48E-08	2.91E-04	4.58E-08	1.60E-08	4.58E-04	7.21E-08	2.51E-08
5193	492863.09, 3864877.25	3.62E-04	5.71E-08	1.99E-08	3.91E-04	6.16E-08	2.14E-08	6.18E-04	9.74E-08	3.39E-08
5194	493363.09, 3864877.25	3.47E-04	5.46E-08	1.90E-08	3.74E-04	5.89E-08	2.05E-08	5.91E-04	9.31E-08	3.24E-08
5195	493863.09, 3864877.25	6.36E-04	1.00E-07	3.49E-08	6.86E-04	1.08E-07	3.76E-08	1.09E-03	1.71E-07	5.97E-08
5196	494363.09, 3864877.25	7.04E-04	1.11E-07	3.86E-08	7.60E-04	1.20E-07	4.17E-08	1.20E-03	1.90E-07	6.61E-08
5197	494863.09, 3864877.25	7.10E-04	1.12E-07	3.90E-08	7.66E-04	1.21E-07	4.21E-08	1.22E-03	1.92E-07	6.67E-08
5198	495363.09, 3864877.25	6.82E-04	1.07E-07	3.74E-08	7.36E-04	1.16E-07	4.04E-08	1.17E-03	1.84E-07	6.41E-08
5199	495863.09, 3864877.25	6.50E-04	1.02E-07	3.57E-08	7.02E-04	1.11E-07	3.85E-08	1.11E-03	1.76E-07	6.12E-08
5200	496363.09, 3864877.25	6.29E-04	9.90E-08	3.45E-08	6.79E-04	1.07E-07	3.72E-08	1.08E-03	1.70E-07	5.91E-08
5201	496863.09, 3864877.25	6.18E-04	9.73E-08	3.39E-08	6.67E-04	1.05E-07	3.66E-08	1.06E-03	1.67E-07	5.81E-08
5202	497363.09, 3864877.25	6.13E-04	9.65E-08	3.36E-08	6.61E-04	1.04E-07	3.63E-08	1.05E-03	1.65E-07	5.77E-08
5203	497863.09, 3864877.25	6.12E-04	9.64E-08	3.36E-08	6.61E-04	1.04E-07	3.63E-08	1.05E-03	1.65E-07	5.77E-08
5204	498363.09, 3864877.25	6.11E-04	9.63E-08	3.36E-08	6.60E-04	1.04E-07	3.62E-08	1.05E-03	1.65E-07	5.76E-08
5205	471363.09, 3865377.25	3.21E-04	5.06E-08	1.76E-08	3.47E-04	5.46E-08	1.90E-08	5.47E-04	8.61E-08	3.00E-08
5206	471863.09, 3865377.25	3.28E-04	5.17E-08	1.80E-08	3.54E-04	5.58E-08	1.94E-08	5.58E-04	8.79E-08	3.06E-08
5207	472363.09, 3865377.25	3.35E-04	5.28E-08	1.84E-08	3.61E-04	5.69E-08	1.98E-08	5.69E-04	8.96E-08	3.12E-08
5208	472863.09, 3865377.25	3.43E-04	5.40E-08	1.88E-08	3.70E-04	5.82E-08	2.03E-08	5.82E-04	9.17E-08	3.19E-08
5209	473363.09, 3865377.25	3.50E-04	5.51E-08	1.92E-08	3.77E-04	5.94E-08	2.07E-08	5.94E-04	9.36E-08	3.26E-08
5210	473863.09, 3865377.25	3.58E-04	5.64E-08	1.97E-08	3.86E-04	6.08E-08	2.12E-08	6.08E-04	9.57E-08	3.33E-08
5211	474363.09, 3865377.25	3.68E-04	5.79E-08	2.02E-08	3.97E-04	6.25E-08	2.18E-08	6.23E-04	9.82E-08	3.42E-08
5212	474863.09, 3865377.25	3.79E-04	5.96E-08	2.08E-08	4.08E-04	6.43E-08	2.24E-08	6.41E-04	1.01E-07	3.52E-08
5213	475363.09, 3865377.25	3.90E-04	6.14E-08	2.14E-08	4.20E-04	6.62E-08	2.31E-08	6.59E-04	1.04E-07	3.62E-08
5214	475863.09, 3865377.25	4.04E-04	6.36E-08	2.22E-08	4.35E-04	6.85E-08	2.39E-08	6.83E-04	1.08E-07	3.75E-08
5215	476363.09, 3865377.25	4.22E-04	6.65E-08	2.32E-08	4.55E-04	7.17E-08	2.50E-08	7.15E-04	1.13E-07	3.93E-08
5216	476863.09, 3865377.25	4.29E-04	6.76E-08	2.36E-08	4.63E-04	7.29E-08	2.54E-08	7.28E-04	1.15E-07	4.00E-08
5217	477363.09, 3865377.25	4.58E-04	7.21E-08	2.51E-08	4.93E-04	7.77E-08	2.71E-08	7.76E-04	1.22E-07	4.26E-08
5218	477863.09, 3865377.25	4.72E-04	7.43E-08	2.59E-08	5.08E-04	8.01E-08	2.79E-08	7.99E-04	1.26E-07	4.39E-08
5219	478363.09, 3865377.25	4.88E-04	7.68E-08	2.68E-08	5.26E-04	8.28E-08	2.88E-08	8.26E-04	1.30E-07	4.53E-08
5220	478863.09, 3865377.25	5.00E-04	7.88E-08	2.75E-08	5.39E-04	8.49E-08	2.96E-08	8.46E-04	1.33E-07	4.65E-08
5221	479363.09, 3865377.25	5.14E-04	8.09E-08	2.82E-08	5.54E-04	8.72E-08	3.04E-08	8.69E-04	1.37E-07	4.77E-08
5222	479863.09, 3865377.25	5.30E-04	8.35E-08	2.91E-08	5.71E-04	9.00E-08	3.13E-08	8.97E-04	1.41E-07	4.92E-08
5223	480363.09, 3865377.25	5.45E-04	8.58E-08	2.99E-08	5.87E-04	9.25E-08	3.22E-08	9.21E-04	1.45E-07	5.06E-08
5224	480863.09, 3865377.25	5.58E-04	8.79E-08	3.06E-08	6.02E-04	9.48E-08	3.30E-08	9.44E-04	1.49E-07	5.18E-08
5225	481363.09, 3865377.25	5.71E-04	9.00E-08	3.13E-08	6.16E-04	9.70E-08	3.38E-08	9.66E-04	1.52E-07	5.30E-08
5226	481863.09, 3865377.25	5.81E-04	9.16E-08	3.19E-08	6.27E-04	9.87E-08	3.44E-08	9.83E-04	1.55E-07	5.39E-08
5227	482363.09, 3865377.25	5.90E-04	9.29E-08	3.24E-08	6.35E-04	1.00E-07	3.49E-08	9.96E-04	1.57E-07	5.47E-08
5228	482863.09, 3865377.25	5.95E-04	9.37E-08	3.26E-08	6.41E-04	1.01E-07	3.52E-08	1.00E-03	1.58E-07	5.51E-08
5229	483363.09, 3865377.25	5.96E-04	9.38E-08	3.27E-08	6.42E-04	1.01E-07	3.52E-08	1.00E-03	1.58E-07	5.51E-08
5230	483863.09, 3865377.25	5.91E-04	9.32E-08	3.25E-08	6.37E-04	1.00E-07	3.50E-08	9.95E-04	1.57E-07	5.46E-08
5231	484363.09, 3865377.25	5.86E-04	9.23E-08	3.22E-08	6.31E-04	9.94E-08	3.46E-08	9.85E-04	1.55E-07	5.40E-08
5232	484863.09, 3865377.25	5.81E-04	9.15E-08	3.19E-08	6.26E-04	9.85E-08	3.43E-08	9.75E-04	1.54E-07	5.35E-08
5233	485363.09, 3865377.25	5.77E-04	9.09E-08	3.17E-08	6.21E-04	9.79E-08	3.41E-08	9.67E-04	1.52E-07	5.31E-08
5234	485863.09, 3865377.25	5.74E-04	9.04E-08	3.15E-08	6.17E-04	9.73E-08	3.39E-08	9.62E-04	1.52E-07	5.28E-08
5235	486363.09, 3865377.25	5.71E-04	9.00E-08	3.13E-08	6.15E-04	9.69E-08	3.37E-08	9.57E-04	1.51E-07	5.25E-08
5236	486863.09, 3865377.25	5.67E-04	8.93E-08	3.11E-08	6.10E-04	9.61E-08	3.35E-08	9.50E-04	1.50E-07	5.21E-08
5237	487363.09, 3865377.25	5.64E-04	8.88E-08	3.09E-08	6.07E-04	9.56E-08	3.33E-08	9.45E-04	1.49E-07	5.19E-08
5238	487863.09, 3865377.25	5.62E-04	8.85E-08	3.08E-08	6.05E-04	9.53E-08	3.32E-08	9.42E-04	1.48E-07	5.17E-08
5239	488363.09, 3865377.25	5.62E-04	8.86E-08	3.09E-08	6.06E-04	9.54E-08	3.32E-08	9.45E-04	1.49E-07	5.18E-08
5240	488863.09, 3865377.25	5.65E-04	8.90E-08	3.10E-08	6.09E-04	9.59E-08	3.34E-08	9.51E-04	1.50E-07	5.22E-08
5241	489363.09, 3865377.25	5.67E-04	8.94E-08	3.11E-08	6.11E-04	9.63E-08	3.36E-08	9.58E-04	1.51E-07	5.26E-08
5242	489863.09, 3865377.25	5.72E-04	9.01E-08	3.14E-08	6.16E-04	9.71E-08	3.38E-08	9.67E-04	1.52E-07	5.31E-08
5243	490363.09, 3865377.25	5.84E-04	9.20E-08	3.21E-08	6.30E-04	9.92E-08	3.46E-08	9.91E-04	1.56E-07	5.44E-08
5244	490863.09, 3865377.25	5.81E-04	9.16E-08	3.19E-08	6.27E-04	9.87E-08	3.44E-08	9.86E-04	1.55E-07	5.41E-08

5245	491363.09, 3865377.25	5.82E-04	9.16E-08	3.19E-08	6.27E-04	9.88E-08	3.44E-08	9.89E-04	1.56E-07	5.43E-08
5246	491863.09, 3865377.25	5.90E-04	9.29E-08	3.24E-08	6.36E-04	1.00E-07	3.49E-08	1.00E-03	1.58E-07	5.51E-08
5247	492363.09, 3865377.25	5.32E-04	8.38E-08	2.92E-08	5.74E-04	9.04E-08	3.15E-08	9.09E-04	1.43E-07	4.99E-08
5248	492863.09, 3865377.25	4.21E-04	6.64E-08	2.31E-08	4.55E-04	7.16E-08	2.49E-08	7.20E-04	1.13E-07	3.95E-08
5249	493363.09, 3865377.25	3.19E-04	5.03E-08	1.75E-08	3.44E-04	5.43E-08	1.89E-08	5.45E-04	8.58E-08	2.99E-08
5250	493863.09, 3865377.25	4.69E-04	7.38E-08	2.57E-08	5.06E-04	7.97E-08	2.78E-08	8.02E-04	1.26E-07	4.40E-08
5251	494363.09, 3865377.25	5.85E-04	9.22E-08	3.21E-08	6.32E-04	9.95E-08	3.47E-08	1.00E-03	1.58E-07	5.49E-08
5252	494863.09, 3865377.25	6.38E-04	1.00E-07	3.50E-08	6.88E-04	1.08E-07	3.78E-08	1.09E-03	1.72E-07	5.99E-08
5253	495363.09, 3865377.25	6.46E-04	1.02E-07	3.55E-08	6.97E-04	1.10E-07	3.83E-08	1.11E-03	1.74E-07	6.07E-08
5254	495863.09, 3865377.25	6.23E-04	9.81E-08	3.42E-08	6.72E-04	1.06E-07	3.69E-08	1.07E-03	1.68E-07	5.85E-08
5255	496363.09, 3865377.25	5.92E-04	9.32E-08	3.25E-08	6.39E-04	1.01E-07	3.51E-08	1.01E-03	1.60E-07	5.56E-08
5256	496863.09, 3865377.25	5.65E-04	8.90E-08	3.10E-08	6.09E-04	9.60E-08	3.34E-08	9.66E-04	1.52E-07	5.30E-08
5257	497363.09, 3865377.25	5.62E-04	8.85E-08	3.08E-08	6.06E-04	9.55E-08	3.33E-08	9.63E-04	1.52E-07	5.28E-08
5258	497863.09, 3865377.25	5.57E-04	8.77E-08	3.06E-08	6.01E-04	9.47E-08	3.30E-08	9.55E-04	1.50E-07	5.24E-08
5259	498363.09, 3865377.25	5.57E-04	8.78E-08	3.06E-08	6.02E-04	9.48E-08	3.30E-08	9.56E-04	1.51E-07	5.24E-08
5260	471363.09, 3865877.25	3.04E-04	4.78E-08	1.67E-08	3.27E-04	5.16E-08	1.80E-08	5.16E-04	8.13E-08	2.83E-08
5261	471863.09, 3865877.25	3.09E-04	4.87E-08	1.70E-08	3.33E-04	5.25E-08	1.83E-08	5.24E-04	8.26E-08	2.88E-08
5262	472363.09, 3865877.25	3.16E-04	4.98E-08	1.73E-08	3.41E-04	5.36E-08	1.87E-08	5.36E-04	8.44E-08	2.94E-08
5263	472863.09, 3865877.25	3.21E-04	5.06E-08	1.76E-08	3.46E-04	5.46E-08	1.90E-08	5.45E-04	8.58E-08	2.99E-08
5264	473363.09, 3865877.25	3.28E-04	5.17E-08	1.80E-08	3.54E-04	5.57E-08	1.94E-08	5.56E-04	8.76E-08	3.05E-08
5265	473863.09, 3865877.25	3.37E-04	5.31E-08	1.85E-08	3.64E-04	5.73E-08	2.00E-08	5.71E-04	9.00E-08	3.14E-08
5266	474363.09, 3865877.25	3.47E-04	5.46E-08	1.90E-08	3.74E-04	5.89E-08	2.05E-08	5.87E-04	9.24E-08	3.22E-08
5267	474863.09, 3865877.25	3.58E-04	5.64E-08	1.96E-08	3.86E-04	6.08E-08	2.12E-08	6.06E-04	9.54E-08	3.32E-08
5268	475363.09, 3865877.25	3.70E-04	5.83E-08	2.03E-08	3.99E-04	6.28E-08	2.19E-08	6.25E-04	9.85E-08	3.43E-08
5269	475863.09, 3865877.25	3.84E-04	6.05E-08	2.11E-08	4.14E-04	6.52E-08	2.27E-08	6.49E-04	1.02E-07	3.56E-08
5270	476363.09, 3865877.25	4.01E-04	6.32E-08	2.20E-08	4.33E-04	6.81E-08	2.37E-08	6.80E-04	1.07E-07	3.73E-08
5271	476863.09, 3865877.25	4.08E-04	6.42E-08	2.24E-08	4.39E-04	6.92E-08	2.41E-08	6.92E-04	1.09E-07	3.80E-08
5272	477363.09, 3865877.25	4.35E-04	6.85E-08	2.39E-08	4.68E-04	7.38E-08	2.57E-08	7.36E-04	1.16E-07	4.04E-08
5273	477863.09, 3865877.25	4.46E-04	7.02E-08	2.45E-08	4.80E-04	7.57E-08	2.64E-08	7.55E-04	1.19E-07	4.14E-08
5274	478363.09, 3865877.25	4.58E-04	7.21E-08	2.51E-08	4.93E-04	7.77E-08	2.71E-08	7.74E-04	1.22E-07	4.25E-08
5275	478863.09, 3865877.25	4.68E-04	7.38E-08	2.57E-08	5.05E-04	7.95E-08	2.77E-08	7.92E-04	1.25E-07	4.35E-08
5276	479363.09, 3865877.25	4.80E-04	7.57E-08	2.64E-08	5.18E-04	8.15E-08	2.84E-08	8.12E-04	1.28E-07	4.46E-08
5277	479863.09, 3865877.25	4.93E-04	7.77E-08	2.71E-08	5.31E-04	8.37E-08	2.92E-08	8.34E-04	1.31E-07	4.58E-08
5278	480363.09, 3865877.25	5.06E-04	7.97E-08	2.78E-08	5.45E-04	8.59E-08	2.99E-08	8.56E-04	1.35E-07	4.70E-08
5279	480863.09, 3865877.25	5.18E-04	8.16E-08	2.84E-08	5.58E-04	8.79E-08	3.06E-08	8.76E-04	1.38E-07	4.81E-08
5280	481363.09, 3865877.25	5.27E-04	8.30E-08	2.89E-08	5.68E-04	8.94E-08	3.12E-08	8.90E-04	1.40E-07	4.89E-08
5281	481863.09, 3865877.25	5.34E-04	8.42E-08	2.93E-08	5.76E-04	9.07E-08	3.16E-08	9.03E-04	1.42E-07	4.95E-08
5282	482363.09, 3865877.25	5.40E-04	8.51E-08	2.96E-08	5.82E-04	9.17E-08	3.19E-08	9.12E-04	1.44E-07	5.00E-08
5283	482863.09, 3865877.25	5.44E-04	8.56E-08	2.98E-08	5.86E-04	9.23E-08	3.21E-08	9.17E-04	1.44E-07	5.03E-08
5284	483363.09, 3865877.25	5.44E-04	8.57E-08	2.98E-08	5.86E-04	9.23E-08	3.21E-08	9.16E-04	1.44E-07	5.03E-08
5285	483863.09, 3865877.25	5.41E-04	8.52E-08	2.97E-08	5.82E-04	9.17E-08	3.20E-08	9.09E-04	1.43E-07	4.99E-08
5286	484363.09, 3865877.25	5.37E-04	8.45E-08	2.94E-08	5.78E-04	9.10E-08	3.17E-08	9.00E-04	1.42E-07	4.94E-08
5287	484863.09, 3865877.25	5.30E-04	8.35E-08	2.91E-08	5.70E-04	8.99E-08	3.13E-08	8.88E-04	1.40E-07	4.88E-08
5288	485363.09, 3865877.25	5.25E-04	8.28E-08	2.88E-08	5.65E-04	8.91E-08	3.10E-08	8.80E-04	1.39E-07	4.83E-08
5289	485863.09, 3865877.25	5.22E-04	8.22E-08	2.87E-08	5.62E-04	8.85E-08	3.08E-08	8.75E-04	1.38E-07	4.80E-08
5290	486363.09, 3865877.25	5.19E-04	8.18E-08	2.85E-08	5.59E-04	8.80E-08	3.07E-08	8.69E-04	1.37E-07	4.77E-08
5291	486863.09, 3865877.25	5.16E-04	8.13E-08	2.83E-08	5.56E-04	8.75E-08	3.05E-08	8.64E-04	1.36E-07	4.74E-08
5292	487363.09, 3865877.25	5.14E-04	8.10E-08	2.82E-08	5.54E-04	8.72E-08	3.04E-08	8.62E-04	1.36E-07	4.73E-08
5293	487863.09, 3865877.25	5.15E-04	8.12E-08	2.83E-08	5.55E-04	8.74E-08	3.04E-08	8.64E-04	1.36E-07	4.74E-08
5294	488363.09, 3865877.25	5.15E-04	8.11E-08	2.83E-08	5.55E-04	8.74E-08	3.04E-08	8.65E-04	1.36E-07	4.75E-08
5295	488863.09, 3865877.25	5.18E-04	8.17E-08	2.84E-08	5.58E-04	8.79E-08	3.06E-08	8.72E-04	1.37E-07	4.78E-08
5296	489363.09, 3865877.25	5.21E-04	8.21E-08	2.86E-08	5.61E-04	8.85E-08	3.08E-08	8.79E-04	1.38E-07	4.82E-08
5297	489863.09, 3865877.25	5.23E-04	8.24E-08	2.87E-08	5.64E-04	8.88E-08	3.09E-08	8.84E-04	1.39E-07	4.85E-08
5298	490363.09, 3865877.25	5.30E-04	8.35E-08	2.91E-08	5.71E-04	9.00E-08	3.14E-08	8.97E-04	1.41E-07	4.92E-08
5299	490863.09, 3865877.25	5.34E-04	8.41E-08	2.93E-08	5.76E-04	9.07E-08	3.16E-08	9.06E-04	1.43E-07	4.97E-08
5300	491363.09, 3865877.25	5.24E-04	8.26E-08	2.88E-08	5.65E-04	8.90E-08	3.10E-08	8.91E-04	1.40E-07	4.89E-08
5301	491863.09, 3865877.25	5.24E-04	8.26E-08	2.88E-08	5.65E-04	8.91E-08	3.10E-08	8.93E-04	1.41E-07	4.90E-08
5302	492363.09, 3865877.25	5.13E-04	8.08E-08	2.82E-08	5.53E-04	8.72E-08	3.04E-08	8.75E-04	1.38E-07	4.80E-08
5303	492863.09, 3865877.25	4.15E-04	6.53E-08	2.28E-08	4.47E-04	7.05E-08	2.45E-08	7.08E-04	1.12E-07	3.89E-08
5304	493363.09, 3865877.25	4.13E-04	6.51E-08	2.27E-08	4.46E-04	7.02E-08	2.45E-08	7.06E-04	1.11E-07	3.88E-08
5305	493863.09, 3865877.25	4.56E-04	7.18E-08	2.50E-08	4.92E-04	7.75E-08	2.70E-08	7.80E-04	1.23E-07	4.28E-08
5306	494363.09, 3865877.25	4.99E-04	7.85E-08	2.74E-08	5.38E-04	8.47E-08	2.95E-08	8.51E-04	1.34E-07	4.67E-08
5307	494863.09, 3865877.25	5.54E-04	8.73E-08	3.04E-08	5.98E-04	9.42E-08	3.28E-08	9.46E-04	1.49E-07	5.19E-08
5308	495363.09, 3865877.25	5.84E-04	9.20E-08	3.21E-08	6.30E-04	9.93E-08	3.46E-08	9.99E-04	1.57E-07	5.48E-08

5309	495863.09, 3865877.25	5.91E-04	9.31E-08	3.24E-08	6.38E-04	1.00E-07	3.50E-08	1.01E-03	1.59E-07	5.55E-08
5310	496363.09, 3865877.25	5.72E-04	9.01E-08	3.14E-08	6.17E-04	9.73E-08	3.39E-08	9.79E-04	1.54E-07	5.37E-08
5311	496863.09, 3865877.25	5.35E-04	8.43E-08	2.94E-08	5.78E-04	9.10E-08	3.17E-08	9.16E-04	1.44E-07	5.03E-08
5312	497363.09, 3865877.25	5.13E-04	8.08E-08	2.82E-08	5.54E-04	8.72E-08	3.04E-08	8.77E-04	1.38E-07	4.81E-08
5313	497863.09, 3865877.25	5.06E-04	7.97E-08	2.78E-08	5.46E-04	8.60E-08	3.00E-08	8.65E-04	1.36E-07	4.75E-08
5314	498363.09, 3865877.25	5.00E-04	7.88E-08	2.75E-08	5.40E-04	8.50E-08	2.96E-08	8.55E-04	1.35E-07	4.69E-08
5315	471363.09, 3866377.25	2.86E-04	4.50E-08	1.57E-08	3.08E-04	4.85E-08	1.69E-08	4.85E-04	7.64E-08	2.66E-08
5316	471863.09, 3866377.25	2.91E-04	4.59E-08	1.60E-08	3.14E-04	4.95E-08	1.72E-08	4.94E-04	7.78E-08	2.71E-08
5317	472363.09, 3866377.25	2.97E-04	4.68E-08	1.63E-08	3.20E-04	5.04E-08	1.76E-08	5.03E-04	7.93E-08	2.76E-08
5318	472863.09, 3866377.25	3.03E-04	4.77E-08	1.66E-08	3.26E-04	5.14E-08	1.79E-08	5.12E-04	8.07E-08	2.81E-08
5319	473363.09, 3866377.25	3.11E-04	4.89E-08	1.71E-08	3.35E-04	5.27E-08	1.84E-08	5.26E-04	8.28E-08	2.89E-08
5320	473863.09, 3866377.25	3.19E-04	5.03E-08	1.75E-08	3.44E-04	5.42E-08	1.89E-08	5.40E-04	8.51E-08	2.96E-08
5321	474363.09, 3866377.25	3.29E-04	5.19E-08	1.81E-08	3.55E-04	5.59E-08	1.95E-08	5.57E-04	8.77E-08	3.05E-08
5322	474863.09, 3866377.25	3.41E-04	5.36E-08	1.87E-08	3.67E-04	5.78E-08	2.01E-08	5.76E-04	9.07E-08	3.16E-08
5323	475363.09, 3866377.25	3.52E-04	5.55E-08	1.93E-08	3.79E-04	5.98E-08	2.08E-08	5.95E-04	9.38E-08	3.27E-08
5324	475863.09, 3866377.25	3.65E-04	5.75E-08	2.00E-08	3.93E-04	6.19E-08	2.16E-08	6.17E-04	9.72E-08	3.39E-08
5325	476363.09, 3866377.25	3.83E-04	6.04E-08	2.10E-08	4.13E-04	6.51E-08	2.27E-08	6.49E-04	1.02E-07	3.56E-08
5326	476863.09, 3866377.25	3.84E-04	6.05E-08	2.11E-08	4.14E-04	6.52E-08	2.27E-08	6.52E-04	1.03E-07	3.58E-08
5327	477363.09, 3866377.25	4.09E-04	6.45E-08	2.25E-08	4.41E-04	6.95E-08	2.42E-08	6.94E-04	1.09E-07	3.81E-08
5328	477863.09, 3866377.25	4.22E-04	6.65E-08	2.32E-08	4.55E-04	7.17E-08	2.50E-08	7.14E-04	1.13E-07	3.92E-08
5329	478363.09, 3866377.25	4.30E-04	6.77E-08	2.36E-08	4.63E-04	7.29E-08	2.54E-08	7.27E-04	1.14E-07	3.99E-08
5330	478863.09, 3866377.25	4.40E-04	6.93E-08	2.41E-08	4.74E-04	7.46E-08	2.60E-08	7.43E-04	1.17E-07	4.08E-08
5331	479363.09, 3866377.25	4.51E-04	7.10E-08	2.47E-08	4.86E-04	7.66E-08	2.67E-08	7.62E-04	1.20E-07	4.18E-08
5332	479863.09, 3866377.25	4.64E-04	7.31E-08	2.55E-08	5.00E-04	7.88E-08	2.74E-08	7.85E-04	1.24E-07	4.31E-08
5333	480363.09, 3866377.25	4.76E-04	7.49E-08	2.61E-08	5.13E-04	8.07E-08	2.81E-08	8.04E-04	1.27E-07	4.41E-08
5334	480863.09, 3866377.25	4.83E-04	7.61E-08	2.65E-08	5.21E-04	8.20E-08	2.86E-08	8.17E-04	1.29E-07	4.48E-08
5335	481363.09, 3866377.25	4.90E-04	7.72E-08	2.69E-08	5.28E-04	8.32E-08	2.90E-08	8.28E-04	1.30E-07	4.54E-08
5336	481863.09, 3866377.25	4.94E-04	7.78E-08	2.71E-08	5.32E-04	8.38E-08	2.92E-08	8.34E-04	1.31E-07	4.57E-08
5337	482363.09, 3866377.25	4.97E-04	7.83E-08	2.73E-08	5.36E-04	8.44E-08	2.94E-08	8.39E-04	1.32E-07	4.60E-08
5338	482863.09, 3866377.25	5.00E-04	7.88E-08	2.75E-08	5.39E-04	8.49E-08	2.96E-08	8.43E-04	1.33E-07	4.63E-08
5339	483363.09, 3866377.25	5.00E-04	7.87E-08	2.74E-08	5.38E-04	8.48E-08	2.95E-08	8.41E-04	1.32E-07	4.61E-08
5340	483863.09, 3866377.25	4.97E-04	7.82E-08	2.73E-08	5.35E-04	8.42E-08	2.93E-08	8.34E-04	1.31E-07	4.58E-08
5341	484363.09, 3866377.25	4.91E-04	7.74E-08	2.70E-08	5.29E-04	8.33E-08	2.90E-08	8.24E-04	1.30E-07	4.52E-08
5342	484863.09, 3866377.25	4.87E-04	7.67E-08	2.67E-08	5.24E-04	8.26E-08	2.88E-08	8.16E-04	1.29E-07	4.48E-08
5343	485363.09, 3866377.25	4.81E-04	7.58E-08	2.64E-08	5.18E-04	8.16E-08	2.84E-08	8.06E-04	1.27E-07	4.42E-08
5344	485863.09, 3866377.25	4.77E-04	7.51E-08	2.62E-08	5.13E-04	8.08E-08	2.82E-08	7.98E-04	1.26E-07	4.38E-08
5345	486363.09, 3866377.25	4.74E-04	7.47E-08	2.60E-08	5.10E-04	8.04E-08	2.80E-08	7.94E-04	1.25E-07	4.36E-08
5346	486863.09, 3866377.25	4.74E-04	7.46E-08	2.60E-08	5.10E-04	8.03E-08	2.80E-08	7.93E-04	1.25E-07	4.35E-08
5347	487363.09, 3866377.25	4.81E-04	7.58E-08	2.64E-08	5.18E-04	8.16E-08	2.84E-08	8.06E-04	1.27E-07	4.42E-08
5348	487863.09, 3866377.25	4.85E-04	7.64E-08	2.66E-08	5.22E-04	8.23E-08	2.87E-08	8.13E-04	1.28E-07	4.46E-08
5349	488363.09, 3866377.25	4.85E-04	7.64E-08	2.66E-08	5.22E-04	8.23E-08	2.87E-08	8.14E-04	1.28E-07	4.47E-08
5350	488863.09, 3866377.25	4.87E-04	7.68E-08	2.68E-08	5.25E-04	8.27E-08	2.88E-08	8.21E-04	1.29E-07	4.50E-08
5351	489363.09, 3866377.25	4.86E-04	7.66E-08	2.67E-08	5.24E-04	8.25E-08	2.88E-08	8.21E-04	1.29E-07	4.50E-08
5352	489863.09, 3866377.25	4.75E-04	7.49E-08	2.61E-08	5.12E-04	8.07E-08	2.81E-08	8.04E-04	1.27E-07	4.41E-08
5353	490363.09, 3866377.25	4.85E-04	7.64E-08	2.66E-08	5.22E-04	8.23E-08	2.87E-08	8.19E-04	1.29E-07	4.50E-08
5354	490863.09, 3866377.25	4.86E-04	7.66E-08	2.67E-08	5.24E-04	8.25E-08	2.87E-08	8.22E-04	1.30E-07	4.51E-08
5355	491363.09, 3866377.25	4.93E-04	7.76E-08	2.70E-08	5.31E-04	8.37E-08	2.91E-08	8.36E-04	1.32E-07	4.59E-08
5356	491863.09, 3866377.25	4.67E-04	7.35E-08	2.56E-08	5.03E-04	7.93E-08	2.76E-08	7.95E-04	1.25E-07	4.36E-08
5357	492363.09, 3866377.25	4.70E-04	7.41E-08	2.58E-08	5.07E-04	7.99E-08	2.78E-08	8.02E-04	1.26E-07	4.40E-08
5358	492863.09, 3866377.25	4.36E-04	6.87E-08	2.39E-08	4.70E-04	7.41E-08	2.58E-08	7.45E-04	1.17E-07	4.09E-08
5359	493363.09, 3866377.25	4.58E-04	7.21E-08	2.51E-08	4.94E-04	7.78E-08	2.71E-08	7.81E-04	1.23E-07	4.29E-08
5360	493863.09, 3866377.25	4.79E-04	7.55E-08	2.63E-08	5.17E-04	8.14E-08	2.84E-08	8.18E-04	1.29E-07	4.49E-08
5361	494363.09, 3866377.25	4.88E-04	7.68E-08	2.68E-08	5.26E-04	8.29E-08	2.89E-08	8.31E-04	1.31E-07	4.56E-08
5362	494863.09, 3866377.25	4.78E-04	7.54E-08	2.63E-08	5.16E-04	8.13E-08	2.83E-08	8.16E-04	1.28E-07	4.48E-08
5363	495363.09, 3866377.25	4.96E-04	7.82E-08	2.72E-08	5.35E-04	8.44E-08	2.94E-08	8.47E-04	1.33E-07	4.65E-08
5364	495863.09, 3866377.25	5.23E-04	8.23E-08	2.87E-08	5.64E-04	8.88E-08	3.09E-08	8.94E-04	1.41E-07	4.91E-08
5365	496363.09, 3866377.25	5.28E-04	8.32E-08	2.90E-08	5.70E-04	8.98E-08	3.13E-08	9.04E-04	1.42E-07	4.96E-08
5366	496863.09, 3866377.25	5.08E-04	8.00E-08	2.79E-08	5.48E-04	8.63E-08	3.01E-08	8.70E-04	1.37E-07	4.77E-08
5367	497363.09, 3866377.25	4.84E-04	7.63E-08	2.66E-08	5.22E-04	8.23E-08	2.87E-08	8.29E-04	1.31E-07	4.55E-08
5368	497863.09, 3866377.25	4.62E-04	7.28E-08	2.54E-08	4.99E-04	7.86E-08	2.74E-08	7.91E-04	1.25E-07	4.34E-08
5369	498363.09, 3866377.25	4.17E-04	6.58E-08	2.29E-08	4.50E-04	7.10E-08	2.47E-08	7.14E-04	1.12E-07	3.92E-08
5370	474494.92, 3848334.16	2.85E-04	4.49E-08	1.56E-08	3.07E-04	4.84E-08	1.69E-08	4.85E-04	7.63E-08	2.66E-08
5371	475167.27, 3848920.79	3.25E-04	5.13E-08	1.79E-08	3.51E-04	5.53E-08	1.93E-08	5.54E-04	8.72E-08	3.04E-08
5372	475297.89, 3848997.96	3.31E-04	5.21E-08	1.82E-08	3.57E-04	5.62E-08	1.96E-08	5.63E-04	8.87E-08	3.09E-08

5373	475439.05, 3849062	3.27E-04	5.15E-08	1.80E-08	3.53E-04	5.56E-08	1.94E-08	5.57E-04	8.77E-08	3.06E-08
5374	475486.86, 3849061.09	3.24E-04	5.11E-08	1.78E-08	3.49E-04	5.51E-08	1.92E-08	5.52E-04	8.69E-08	3.03E-08
5375	475538.46, 3849075.56	3.26E-04	5.14E-08	1.79E-08	3.52E-04	5.54E-08	1.93E-08	5.55E-04	8.74E-08	3.04E-08
5376	475751.79, 3849137.15	3.41E-04	5.37E-08	1.87E-08	3.67E-04	5.79E-08	2.02E-08	5.79E-04	9.13E-08	3.18E-08
5377	476303.62, 3849223.38	3.47E-04	5.47E-08	1.91E-08	3.74E-04	5.90E-08	2.05E-08	5.89E-04	9.29E-08	3.24E-08
5378	476304.51, 3849238.92	3.50E-04	5.51E-08	1.92E-08	3.77E-04	5.94E-08	2.07E-08	5.94E-04	9.35E-08	3.26E-08
5379	476365.04, 3849247.98	3.50E-04	5.51E-08	1.92E-08	3.77E-04	5.94E-08	2.07E-08	5.93E-04	9.35E-08	3.26E-08
5380	476444.86, 3849267.13	3.48E-04	5.48E-08	1.91E-08	3.75E-04	5.91E-08	2.06E-08	5.90E-04	9.30E-08	3.24E-08
5381	476550.75, 3849300.66	3.52E-04	5.54E-08	1.93E-08	3.79E-04	5.97E-08	2.08E-08	5.97E-04	9.40E-08	3.27E-08
5382	476656.71, 3849346.88	3.55E-04	5.60E-08	1.95E-08	3.83E-04	6.03E-08	2.10E-08	6.03E-04	9.49E-08	3.31E-08
5383	476873.55, 3849454.53	3.67E-04	5.78E-08	2.01E-08	3.96E-04	6.23E-08	2.17E-08	6.22E-04	9.79E-08	3.41E-08
5384	477700, 3849859.7	4.29E-04	6.76E-08	2.35E-08	4.62E-04	7.28E-08	2.54E-08	7.25E-04	1.14E-07	3.98E-08
5385	477743.16, 3849856.38	4.28E-04	6.75E-08	2.35E-08	4.62E-04	7.27E-08	2.53E-08	7.24E-04	1.14E-07	3.97E-08
5386	478477.35, 3850216.33	5.34E-04	8.41E-08	2.93E-08	5.76E-04	9.07E-08	3.16E-08	9.05E-04	1.43E-07	4.97E-08
5387	478485.8, 3850201.6	5.39E-04	8.49E-08	2.96E-08	5.81E-04	9.16E-08	3.19E-08	9.15E-04	1.44E-07	5.02E-08
5388	479113.21, 3850501.53	7.29E-04	1.15E-07	4.00E-08	7.86E-04	1.24E-07	4.31E-08	1.24E-03	1.95E-07	6.81E-08
5389	479108.11, 3850382.28	7.40E-04	1.17E-07	4.06E-08	7.98E-04	1.26E-07	4.38E-08	1.26E-03	1.99E-07	6.92E-08
5390	479689.85, 3850674.28	8.63E-04	1.36E-07	4.74E-08	9.31E-04	1.47E-07	5.11E-08	1.47E-03	2.32E-07	8.09E-08
5391	479952.42, 3850774.28	8.98E-04	1.41E-07	4.93E-08	9.69E-04	1.53E-07	5.32E-08	1.53E-03	2.42E-07	8.41E-08
5392	479911.32, 3850884.85	9.32E-04	1.47E-07	5.11E-08	1.01E-03	1.58E-07	5.52E-08	1.59E-03	2.51E-07	8.73E-08
5393	480500.92, 3851178.12	1.04E-03	1.63E-07	5.69E-08	1.12E-03	1.76E-07	6.13E-08	1.76E-03	2.77E-07	9.67E-08
5394	480738.01, 3851289.27	1.06E-03	1.67E-07	5.83E-08	1.15E-03	1.80E-07	6.29E-08	1.80E-03	2.84E-07	9.89E-08
5395	481055.42, 3851443.58	1.10E-03	1.73E-07	6.03E-08	1.18E-03	1.87E-07	6.50E-08	1.86E-03	2.93E-07	1.02E-07
5396	481110.22, 3851443.15	1.09E-03	1.71E-07	5.97E-08	1.17E-03	1.85E-07	6.43E-08	1.84E-03	2.90E-07	1.01E-07
5397	481111.1, 3851417.45	1.07E-03	1.69E-07	5.88E-08	1.15E-03	1.82E-07	6.33E-08	1.81E-03	2.85E-07	9.94E-08
5398	482248.44, 3852605.09	1.85E-03	2.92E-07	1.02E-07	1.99E-03	3.14E-07	1.09E-07	3.11E-03	4.90E-07	1.71E-07
5399	482273.34, 3852632.31	1.88E-03	2.96E-07	1.03E-07	2.02E-03	3.19E-07	1.11E-07	3.15E-03	4.97E-07	1.73E-07
5400	482665.46, 3853038.72	2.51E-03	3.95E-07	1.38E-07	2.70E-03	4.25E-07	1.48E-07	4.18E-03	6.59E-07	2.29E-07
5401	483077.95, 3853844.31	1.72E-02	2.72E-06	9.46E-07	1.86E-02	2.93E-06	1.02E-06	2.93E-02	4.62E-06	1.61E-06
5402	483121.38, 3853909.38	1.88E-02	2.97E-06	1.03E-06	2.04E-02	3.21E-06	1.12E-06	3.32E-02	5.23E-06	1.82E-06
5403	483492.64, 3853911.49	1.11E-02	1.75E-06	6.09E-07	1.20E-02	1.89E-06	6.60E-07	1.95E-02	3.08E-06	1.07E-06
5404	483498.29, 3854204.73	2.03E-02	3.20E-06	1.11E-06	2.21E-02	3.49E-06	1.21E-06	3.76E-02	5.92E-06	2.06E-06
5405	484132.44, 3854662.55	1.96E-02	3.09E-06	1.08E-06	2.12E-02	3.34E-06	1.16E-06	3.36E-02	5.30E-06	1.85E-06
5406	484627.62, 3854876.13	2.32E-02	3.66E-06	1.27E-06	2.50E-02	3.94E-06	1.37E-06	3.89E-02	6.13E-06	2.14E-06
5407	484756.14, 3854949.04	2.49E-02	3.92E-06	1.37E-06	2.68E-02	4.22E-06	1.47E-06	4.17E-02	6.56E-06	2.29E-06
5408	486697.51, 3856599.17	3.94E-02	6.21E-06	2.16E-06	4.26E-02	6.71E-06	2.34E-06	6.82E-02	1.07E-05	3.74E-06
5409	487105.31, 3856962.27	4.64E-02	7.30E-06	2.54E-06	5.01E-02	7.89E-06	2.75E-06	8.03E-02	1.27E-05	4.41E-06
5410	487157.57, 3856901.7	4.22E-02	6.65E-06	2.32E-06	4.56E-02	7.19E-06	2.50E-06	7.31E-02	1.15E-05	4.01E-06
5411	487173.5, 3856853.74	4.00E-02	6.30E-06	2.20E-06	4.32E-02	6.81E-06	2.37E-06	6.92E-02	1.09E-05	3.80E-06
5412	487564.41, 3856860.83	3.29E-02	5.19E-06	1.81E-06	3.56E-02	5.60E-06	1.95E-06	5.69E-02	8.97E-06	3.12E-06
5413	487563.31, 3856931.58	3.47E-02	5.47E-06	1.91E-06	3.75E-02	5.91E-06	2.06E-06	6.01E-02	9.46E-06	3.30E-06
5414	487782.7, 3856926.85	3.12E-02	4.92E-06	1.71E-06	3.37E-02	5.32E-06	1.85E-06	5.40E-02	8.51E-06	2.96E-06
5415	487782.39, 3856757.07	2.80E-02	4.41E-06	1.54E-06	3.03E-02	4.77E-06	1.66E-06	4.84E-02	7.62E-06	2.66E-06
5416	487917.26, 3856752.41	2.66E-02	4.19E-06	1.46E-06	2.88E-02	4.53E-06	1.58E-06	4.60E-02	7.24E-06	2.52E-06
5417	487919.57, 3856953.35	2.99E-02	4.71E-06	1.64E-06	3.23E-02	5.09E-06	1.77E-06	5.18E-02	8.16E-06	2.84E-06
5418	487932.76, 3857000.32	3.05E-02	4.81E-06	1.68E-06	3.30E-02	5.20E-06	1.81E-06	5.28E-02	8.32E-06	2.90E-06
5419	487960.5, 3857044.75	3.09E-02	4.87E-06	1.70E-06	3.34E-02	5.26E-06	1.83E-06	5.35E-02	8.43E-06	2.94E-06
5420	488016.54, 3857089.54	3.09E-02	4.86E-06	1.69E-06	3.34E-02	5.26E-06	1.83E-06	5.35E-02	8.43E-06	2.94E-06
5421	488114.39, 3857165.47	3.09E-02	4.87E-06	1.70E-06	3.34E-02	5.26E-06	1.83E-06	5.36E-02	8.45E-06	2.94E-06
5422	488171.49, 3857234.24	3.11E-02	4.91E-06	1.71E-06	3.37E-02	5.30E-06	1.85E-06	5.41E-02	8.52E-06	2.97E-06
5423	488193.16, 3857297.8	3.18E-02	5.01E-06	1.75E-06	3.44E-02	5.42E-06	1.89E-06	5.53E-02	8.71E-06	3.04E-06
5424	488189.27, 3857649.94	3.78E-02	5.95E-06	2.07E-06	4.09E-02	6.44E-06	2.24E-06	6.59E-02	1.04E-05	3.62E-06
5425	488127.43, 3857732.32	4.13E-02	6.51E-06	2.27E-06	4.47E-02	7.05E-06	2.45E-06	7.23E-02	1.14E-05	3.97E-06
5426	488149.93, 3857752.94	4.10E-02	6.47E-06	2.25E-06	4.44E-02	7.00E-06	2.44E-06	7.18E-02	1.13E-05	3.94E-06
5427	488144.76, 3857758.71	4.13E-02	6.51E-06	2.27E-06	4.48E-02	7.05E-06	2.46E-06	7.24E-02	1.14E-05	3.97E-06
5428	488335.58, 3857932.55	3.79E-02	5.98E-06	2.08E-06	4.11E-02	6.47E-06	2.25E-06	6.63E-02	1.05E-05	3.64E-06
5429	488372.29, 3857943.79	3.69E-02	5.82E-06	2.03E-06	4.00E-02	6.30E-06	2.19E-06	6.46E-02	1.02E-05	3.54E-06
5430	488828.64, 3857936.4	2.69E-02	4.24E-06	1.48E-06	2.91E-02	4.59E-06	1.60E-06	4.69E-02	7.38E-06	2.57E-06
5431	488829.08, 3857959.58	2.70E-02	4.25E-06	1.48E-06	2.92E-02	4.59E-06	1.60E-06	4.69E-02	7.39E-06	2.58E-06
5432	488351.61, 3857964.55	3.78E-02	5.96E-06	2.08E-06	4.09E-02	6.45E-06	2.25E-06	6.62E-02	1.04E-05	3.63E-06
5433	488316.87, 3857947.65	3.87E-02	6.10E-06	2.13E-06	4.19E-02	6.61E-06	2.30E-06	6.78E-02	1.07E-05	3.72E-06
5434	488129.1, 3857775.77	4.23E-02	6.66E-06	2.32E-06	4.58E-02	7.21E-06	2.51E-06	7.41E-02	1.17E-05	4.06E-06
5435	488062.53, 3857846.13	4.67E-02	7.36E-06	2.56E-06	5.06E-02	7.97E-06	2.78E-06	8.22E-02	1.29E-05	4.51E-06
5436	488330.41, 3858091.34	4.07E-02	6.41E-06	2.23E-06	4.41E-02	6.94E-06	2.42E-06	7.15E-02	1.13E-05	3.92E-06

5437	488470.87, 3858174.45	3.62E-02	5.70E-06	1.99E-06	3.91E-02	6.17E-06	2.15E-06	6.32E-02	9.96E-06	3.47E-06
5438	488568.9, 3858262.31	3.20E-02	5.04E-06	1.76E-06	3.46E-02	5.45E-06	1.90E-06	5.56E-02	8.75E-06	3.05E-06
5439	488964.27, 3858025.71	2.48E-02	3.91E-06	1.36E-06	2.68E-02	4.23E-06	1.47E-06	4.32E-02	6.80E-06	2.37E-06
5440	489147.25, 3857956.64	2.26E-02	3.56E-06	1.24E-06	2.44E-02	3.85E-06	1.34E-06	3.93E-02	6.19E-06	2.16E-06
5441	489343.52, 3857932.45	2.05E-02	3.23E-06	1.13E-06	2.22E-02	3.49E-06	1.22E-06	3.57E-02	5.62E-06	1.96E-06
5442	489866.19, 3857923.19	1.62E-02	2.56E-06	8.90E-07	1.75E-02	2.76E-06	9.63E-07	2.82E-02	4.44E-06	1.55E-06
5443	489955.65, 3857902.27	1.57E-02	2.47E-06	8.61E-07	1.70E-02	2.67E-06	9.31E-07	2.72E-02	4.29E-06	1.50E-06
5444	490079.44, 3857847.9	1.51E-02	2.38E-06	8.28E-07	1.63E-02	2.57E-06	8.96E-07	2.62E-02	4.13E-06	1.44E-06
5445	490108.49, 3857934.13	1.47E-02	2.31E-06	8.06E-07	1.59E-02	2.50E-06	8.72E-07	2.55E-02	4.01E-06	1.40E-06
5446	489884.48, 3858014.17	1.58E-02	2.49E-06	8.67E-07	1.71E-02	2.69E-06	9.37E-07	2.74E-02	4.32E-06	1.50E-06
5447	489326.56, 3858025.86	2.04E-02	3.21E-06	1.12E-06	2.20E-02	3.47E-06	1.21E-06	3.54E-02	5.58E-06	1.94E-06
5448	489130.38, 3858056.71	2.25E-02	3.55E-06	1.24E-06	2.43E-02	3.83E-06	1.34E-06	3.92E-02	6.17E-06	2.15E-06
5449	488936.49, 3858143.93	2.48E-02	3.90E-06	1.36E-06	2.68E-02	4.22E-06	1.47E-06	4.30E-02	6.78E-06	2.36E-06
5450	488638.08, 3858327.45	2.88E-02	4.53E-06	1.58E-06	3.11E-02	4.89E-06	1.70E-06	4.96E-02	7.82E-06	2.72E-06
5451	488663.79, 3858349.57	2.76E-02	4.34E-06	1.51E-06	2.98E-02	4.69E-06	1.63E-06	4.74E-02	7.47E-06	2.60E-06
5452	488694.56, 3858349.5	2.68E-02	4.22E-06	1.47E-06	2.90E-02	4.56E-06	1.59E-06	4.61E-02	7.27E-06	2.53E-06
5453	488694.35, 3858336.75	2.71E-02	4.27E-06	1.49E-06	2.93E-02	4.61E-06	1.61E-06	4.67E-02	7.36E-06	2.56E-06
5454	488712.81, 3858336.38	2.67E-02	4.20E-06	1.46E-06	2.88E-02	4.54E-06	1.58E-06	4.60E-02	7.24E-06	2.52E-06
5455	488713.23, 3858367.46	2.59E-02	4.09E-06	1.42E-06	2.80E-02	4.41E-06	1.54E-06	4.45E-02	7.01E-06	2.44E-06
5456	488704.63, 3858384.05	2.57E-02	4.05E-06	1.41E-06	2.77E-02	4.37E-06	1.52E-06	4.40E-02	6.93E-06	2.41E-06
5457	488604.15, 3858488.29	2.48E-02	3.91E-06	1.36E-06	2.67E-02	4.20E-06	1.46E-06	4.10E-02	6.46E-06	2.25E-06
5458	488605.66, 3858550.47	2.31E-02	3.64E-06	1.27E-06	2.47E-02	3.90E-06	1.36E-06	3.68E-02	5.80E-06	2.02E-06
5459	488692.68, 3858548.71	2.16E-02	3.40E-06	1.18E-06	2.31E-02	3.64E-06	1.27E-06	3.48E-02	5.48E-06	1.91E-06
5460	488759.93, 3858461.81	2.26E-02	3.56E-06	1.24E-06	2.43E-02	3.83E-06	1.34E-06	3.79E-02	5.98E-06	2.08E-06
5461	488816.57, 3858541.79	2.00E-02	3.14E-06	1.10E-06	2.14E-02	3.38E-06	1.18E-06	3.27E-02	5.14E-06	1.79E-06
5462	488944.63, 3858656.77	1.69E-02	2.66E-06	9.26E-07	1.80E-02	2.84E-06	9.90E-07	2.66E-02	4.19E-06	1.46E-06
5463	489134.91, 3858830.7	1.33E-02	2.09E-06	7.28E-07	1.41E-02	2.23E-06	7.76E-07	2.03E-02	3.20E-06	1.12E-06
5464	489193.99, 3858886.05	1.17E-02	1.84E-06	6.41E-07	1.25E-02	1.96E-06	6.84E-07	1.82E-02	2.87E-06	9.98E-07
5465	489295.2, 3858954.34	9.89E-03	1.56E-06	5.43E-07	1.06E-02	1.67E-06	5.81E-07	1.58E-02	2.49E-06	8.67E-07
5466	489295.64, 3858992.74	9.25E-03	1.46E-06	5.08E-07	9.91E-03	1.56E-06	5.44E-07	1.49E-02	2.34E-06	8.15E-07
5467	489183.74, 3858911.72	1.12E-02	1.77E-06	6.17E-07	1.20E-02	1.89E-06	6.58E-07	1.75E-02	2.76E-06	9.60E-07
5468	488873.37, 3858625.59	1.80E-02	2.83E-06	9.87E-07	1.92E-02	3.03E-06	1.06E-06	2.85E-02	4.49E-06	1.56E-06
5469	488842.84, 3858658.69	1.80E-02	2.84E-06	9.89E-07	1.92E-02	3.03E-06	1.06E-06	2.79E-02	4.39E-06	1.53E-06
5470	488856.39, 3858670.93	1.78E-02	2.80E-06	9.76E-07	1.90E-02	2.99E-06	1.04E-06	2.74E-02	4.32E-06	1.50E-06
5471	488805.7, 3858724.5	1.88E-02	2.96E-06	1.03E-06	1.99E-02	3.13E-06	1.09E-06	2.74E-02	4.31E-06	1.50E-06
5472	488805.87, 3858804.16	2.16E-02	3.41E-06	1.19E-06	2.27E-02	3.58E-06	1.25E-06	2.88E-02	4.54E-06	1.58E-06
5473	488995.78, 3858936.96	1.21E-02	1.91E-06	6.65E-07	1.29E-02	2.03E-06	7.06E-07	1.80E-02	2.84E-06	9.90E-07
5474	489130.76, 3859017.38	9.09E-03	1.43E-06	4.99E-07	9.72E-03	1.53E-06	5.34E-07	1.44E-02	2.28E-06	7.93E-07
5475	489130.92, 3859052.24	8.41E-03	1.32E-06	4.61E-07	9.01E-03	1.42E-06	4.94E-07	1.35E-02	2.13E-06	7.42E-07
5476	489200.33, 3859090.6	7.80E-03	1.23E-06	4.28E-07	8.36E-03	1.32E-06	4.59E-07	1.27E-02	2.00E-06	6.96E-07
5477	489296.07, 3859143.7	7.14E-03	1.12E-06	3.92E-07	7.66E-03	1.21E-06	4.21E-07	1.17E-02	1.85E-06	6.44E-07
5478	489296.43, 3858954.74	9.88E-03	1.56E-06	5.42E-07	1.06E-02	1.67E-06	5.80E-07	1.58E-02	2.49E-06	8.66E-07
5479	489410.33, 3859033.19	8.48E-03	1.34E-06	4.65E-07	9.09E-03	1.43E-06	4.99E-07	1.38E-02	2.18E-06	7.58E-07
5480	489371.37, 3859089.8	7.79E-03	1.23E-06	4.27E-07	8.36E-03	1.32E-06	4.59E-07	1.27E-02	2.01E-06	6.99E-07
5481	489390.52, 3859102.82	7.62E-03	1.20E-06	4.18E-07	8.19E-03	1.29E-06	4.49E-07	1.25E-02	1.97E-06	6.86E-07
5482	489382.3, 3859114.53	7.49E-03	1.18E-06	4.11E-07	8.04E-03	1.27E-06	4.41E-07	1.23E-02	1.94E-06	6.75E-07
5483	489363.04, 3859102.45	7.64E-03	1.20E-06	4.19E-07	8.20E-03	1.29E-06	4.50E-07	1.25E-02	1.97E-06	6.87E-07
5484	489337.52, 3859140.71	7.18E-03	1.13E-06	3.94E-07	7.72E-03	1.22E-06	4.23E-07	1.18E-02	1.86E-06	6.48E-07
5485	489375.14, 3859164.55	6.93E-03	1.09E-06	3.81E-07	7.45E-03	1.17E-06	4.09E-07	1.14E-02	1.80E-06	6.28E-07
5486	489409.3, 3859114.5	7.49E-03	1.18E-06	4.11E-07	8.04E-03	1.27E-06	4.41E-07	1.23E-02	1.94E-06	6.75E-07
5487	489434.87, 3859131.81	7.29E-03	1.15E-06	4.00E-07	7.83E-03	1.23E-06	4.30E-07	1.20E-02	1.89E-06	6.59E-07
5488	489471.87, 3859075.75	7.90E-03	1.24E-06	4.34E-07	8.48E-03	1.34E-06	4.66E-07	1.30E-02	2.04E-06	7.12E-07
5489	489602.62, 3859164.69	6.94E-03	1.09E-06	3.81E-07	7.47E-03	1.18E-06	4.10E-07	1.15E-02	1.82E-06	6.33E-07
5490	489558.29, 3859232.45	6.36E-03	1.00E-06	3.49E-07	6.84E-03	1.08E-06	3.75E-07	1.06E-02	1.67E-06	5.80E-07
5491	489620.11, 3859273.56	6.04E-03	9.52E-07	3.32E-07	6.50E-03	1.02E-06	3.57E-07	1.01E-02	1.59E-06	5.53E-07
5492	489666.06, 3859206.42	6.58E-03	1.04E-06	3.61E-07	7.07E-03	1.11E-06	3.88E-07	1.10E-02	1.73E-06	6.01E-07
5493	489787.9, 3859285.65	5.98E-03	9.43E-07	3.28E-07	6.44E-03	1.01E-06	3.54E-07	1.00E-02	1.58E-06	5.50E-07
5494	489752.17, 3859343.13	5.59E-03	8.81E-07	3.07E-07	6.02E-03	9.48E-07	3.30E-07	9.37E-03	1.48E-06	5.14E-07
5495	489814.94, 3859385.33	5.35E-03	8.42E-07	2.93E-07	5.76E-03	9.07E-07	3.16E-07	8.98E-03	1.41E-06	4.93E-07
5496	489853.42, 3859330.74	5.69E-03	8.97E-07	3.13E-07	6.13E-03	9.66E-07	3.36E-07	9.56E-03	1.51E-06	5.24E-07
5497	489969.5, 3859401.91	5.29E-03	8.33E-07	2.90E-07	5.70E-03	8.98E-07	3.13E-07	8.90E-03	1.40E-06	4.89E-07
5498	490166.91, 3859486.96	4.88E-03	7.68E-07	2.68E-07	5.25E-03	8.28E-07	2.88E-07	8.23E-03	1.30E-06	4.52E-07
5499	490128.86, 3859571.46	4.47E-03	7.04E-07	2.45E-07	4.82E-03	7.59E-07	2.64E-07	7.55E-03	1.19E-06	4.15E-07
5500	490186.65, 3859593.65	4.39E-03	6.92E-07	2.41E-07	4.74E-03	7.46E-07	2.60E-07	7.43E-03	1.17E-06	4.08E-07

5501	490223.74, 3859517.48	4.74E-03	7.47E-07	2.60E-07	5.11E-03	8.05E-07	2.81E-07	8.02E-03	1.26E-06	4.40E-07
5502	490846.34, 3859817.22	3.79E-03	5.97E-07	2.08E-07	4.08E-03	6.43E-07	2.24E-07	6.44E-03	1.01E-06	3.54E-07
5503	490925.65, 3859844.59	3.72E-03	5.86E-07	2.04E-07	4.01E-03	6.32E-07	2.20E-07	6.34E-03	9.98E-07	3.48E-07
5504	491159.29, 3859896.28	3.59E-03	5.66E-07	1.97E-07	3.87E-03	6.10E-07	2.13E-07	6.12E-03	9.65E-07	3.36E-07
5505	491370.69, 3859960.89	3.42E-03	5.39E-07	1.88E-07	3.69E-03	5.81E-07	2.03E-07	5.83E-03	9.19E-07	3.20E-07
5506	491330.28, 3860063.17	3.16E-03	4.98E-07	1.74E-07	3.41E-03	5.37E-07	1.87E-07	5.39E-03	8.49E-07	2.96E-07
5507	491636.45, 3860180.75	2.96E-03	4.66E-07	1.62E-07	3.19E-03	5.03E-07	1.75E-07	5.05E-03	7.96E-07	2.77E-07
5508	491617.94, 3860203.93	2.91E-03	4.58E-07	1.60E-07	3.14E-03	4.94E-07	1.72E-07	4.96E-03	7.82E-07	2.72E-07
5509	491805.68, 3860271.59	2.80E-03	4.42E-07	1.54E-07	3.03E-03	4.77E-07	1.66E-07	4.79E-03	7.54E-07	2.63E-07
5510	491654.23, 3860414.02	2.53E-03	3.99E-07	1.39E-07	2.73E-03	4.30E-07	1.50E-07	4.32E-03	6.80E-07	2.37E-07
5511	491592.62, 3860510.76	2.34E-03	3.69E-07	1.29E-07	2.53E-03	3.98E-07	1.39E-07	4.00E-03	6.29E-07	2.19E-07
5512	491475.41, 3860368.93	2.55E-03	4.01E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.34E-03	6.83E-07	2.38E-07
5513	491445.61, 3860337.28	2.59E-03	4.09E-07	1.42E-07	2.80E-03	4.41E-07	1.54E-07	4.42E-03	6.97E-07	2.43E-07
5514	491399.05, 3860300.37	2.66E-03	4.19E-07	1.46E-07	2.87E-03	4.52E-07	1.57E-07	4.53E-03	7.13E-07	2.48E-07
5515	491228.84, 3860235.98	2.74E-03	4.32E-07	1.51E-07	2.96E-03	4.66E-07	1.62E-07	4.67E-03	7.36E-07	2.56E-07
5516	491228.47, 3860174.57	2.88E-03	4.53E-07	1.58E-07	3.10E-03	4.89E-07	1.70E-07	4.90E-03	7.72E-07	2.69E-07
5517	491145.77, 3860112.55	3.01E-03	4.74E-07	1.65E-07	3.25E-03	5.11E-07	1.78E-07	5.12E-03	8.07E-07	2.81E-07
5518	490844.41, 3859966.22	3.34E-03	5.26E-07	1.83E-07	3.60E-03	5.67E-07	1.98E-07	5.68E-03	8.94E-07	3.11E-07
5519	490845.55, 3859928.15	3.45E-03	5.43E-07	1.89E-07	3.72E-03	5.85E-07	2.04E-07	5.86E-03	9.23E-07	3.22E-07
5520	490046.91, 3859625.6	4.21E-03	6.64E-07	2.31E-07	4.54E-03	7.15E-07	2.49E-07	7.12E-03	1.12E-06	3.91E-07
5521	489970.48, 3859589.4	4.34E-03	6.84E-07	2.38E-07	4.68E-03	7.38E-07	2.57E-07	7.34E-03	1.16E-06	4.03E-07
5522	489865.89, 3859529.06	4.59E-03	7.23E-07	2.52E-07	4.94E-03	7.79E-07	2.71E-07	7.74E-03	1.22E-06	4.25E-07
5523	489826.89, 3859531.74	4.56E-03	7.19E-07	2.50E-07	4.92E-03	7.74E-07	2.70E-07	7.70E-03	1.21E-06	4.23E-07
5524	489410.47, 3859303.06	5.72E-03	9.02E-07	3.14E-07	6.16E-03	9.70E-07	3.38E-07	9.57E-03	1.51E-06	5.25E-07
5525	489407.15, 3859286.09	5.85E-03	9.21E-07	3.21E-07	6.29E-03	9.91E-07	3.45E-07	9.76E-03	1.54E-06	5.36E-07
5526	488806.07, 3858963.62	1.07E-02	1.68E-06	5.87E-07	1.14E-02	1.79E-06	6.24E-07	1.63E-02	2.57E-06	8.94E-07
5527	488817.64, 3859546.3	4.72E-03	7.43E-07	2.59E-07	5.08E-03	8.00E-07	2.79E-07	7.94E-03	1.25E-06	4.36E-07
5528	489187.25, 3859549.52	4.64E-03	7.31E-07	2.55E-07	5.00E-03	7.88E-07	2.74E-07	7.82E-03	1.23E-06	4.29E-07
5529	489187.66, 3859523.74	4.73E-03	7.45E-07	2.60E-07	5.10E-03	8.03E-07	2.80E-07	7.97E-03	1.26E-06	4.37E-07
5530	489232.59, 3859522.85	4.72E-03	7.43E-07	2.59E-07	5.08E-03	8.01E-07	2.79E-07	7.95E-03	1.25E-06	4.36E-07
5531	489224.98, 3859759.91	3.99E-03	6.28E-07	2.19E-07	4.30E-03	6.77E-07	2.36E-07	6.75E-03	1.06E-06	3.70E-07
5532	488401.39, 3859763.34	3.82E-03	6.01E-07	2.10E-07	4.11E-03	6.48E-07	2.26E-07	6.42E-03	1.01E-06	3.52E-07
5533	488405.51, 3859966.16	3.31E-03	5.21E-07	1.81E-07	3.56E-03	5.61E-07	1.95E-07	5.57E-03	8.77E-07	3.06E-07
5534	489202.85, 3859956.57	3.50E-03	5.52E-07	1.92E-07	3.78E-03	5.95E-07	2.07E-07	5.94E-03	9.36E-07	3.26E-07
5535	489191.9, 3860676.74	2.27E-03	3.58E-07	1.25E-07	2.45E-03	3.86E-07	1.34E-07	3.85E-03	6.06E-07	2.11E-07
5536	488392.82, 3860687.88	2.20E-03	3.46E-07	1.21E-07	2.37E-03	3.73E-07	1.30E-07	3.71E-03	5.85E-07	2.04E-07
5537	488392.82, 3860760.27	2.13E-03	3.36E-07	1.17E-07	2.30E-03	3.62E-07	1.26E-07	3.61E-03	5.68E-07	1.98E-07
5538	487549.05, 3860777.45	2.04E-03	3.21E-07	1.12E-07	2.20E-03	3.46E-07	1.20E-07	3.43E-03	5.40E-07	1.88E-07
5539	487554.62, 3859571.83	4.17E-03	6.57E-07	2.29E-07	4.49E-03	7.07E-07	2.46E-07	6.99E-03	1.10E-06	3.84E-07
5540	485949.46, 3859558.54	3.67E-03	5.79E-07	2.02E-07	3.96E-03	6.23E-07	2.17E-07	6.19E-03	9.75E-07	3.40E-07
5541	485947.55, 3857943.61	1.35E-02	2.13E-06	7.41E-07	1.45E-02	2.29E-06	7.98E-07	2.27E-02	3.57E-06	1.24E-06
5542	484738.38, 3857940.21	7.46E-03	1.18E-06	4.10E-07	8.04E-03	1.27E-06	4.41E-07	1.26E-02	1.98E-06	6.91E-07
5543	484737.06, 3857535.68	9.62E-03	1.52E-06	5.28E-07	1.04E-02	1.63E-06	5.69E-07	1.62E-02	2.55E-06	8.88E-07
5544	483730.2, 3857530.13	6.41E-03	1.01E-06	3.52E-07	6.91E-03	1.09E-06	3.79E-07	1.08E-02	1.71E-06	5.95E-07
5545	483727.27, 3857130.01	7.79E-03	1.23E-06	4.27E-07	8.39E-03	1.32E-06	4.60E-07	1.32E-02	2.07E-06	7.22E-07
5546	483124.42, 3857123.45	6.13E-03	9.66E-07	3.37E-07	6.61E-03	1.04E-06	3.63E-07	1.04E-02	1.64E-06	5.71E-07
5547	483111.13, 3855921.03	1.05E-02	1.65E-06	5.75E-07	1.13E-02	1.78E-06	6.20E-07	1.78E-02	2.80E-06	9.76E-07
5548	482701.73, 3855918.24	8.20E-03	1.29E-06	4.50E-07	8.85E-03	1.39E-06	4.86E-07	1.40E-02	2.20E-06	7.68E-07
5549	482668.02, 3853521.78	5.39E-03	8.49E-07	2.96E-07	5.75E-03	9.06E-07	3.16E-07	8.35E-03	1.32E-06	4.59E-07
5550	482579.91, 3853219.19	3.05E-03	4.80E-07	1.67E-07	3.27E-03	5.16E-07	1.80E-07	5.05E-03	7.95E-07	2.77E-07
5551	482434.06, 3852961.94	2.39E-03	3.76E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.00E-03	6.30E-07	2.20E-07
5552	482332.11, 3852832.85	2.18E-03	3.43E-07	1.20E-07	2.35E-03	3.69E-07	1.29E-07	3.66E-03	5.76E-07	2.01E-07
5553	481334.99, 3851818.96	1.30E-03	2.05E-07	7.14E-08	1.40E-03	2.21E-07	7.69E-08	2.20E-03	3.46E-07	1.21E-07
5554	481127.62, 3851646.36	1.22E-03	1.92E-07	6.68E-08	1.31E-03	2.07E-07	7.20E-08	2.06E-03	3.24E-07	1.13E-07
5555	481025.04, 3851591.73	1.20E-03	1.89E-07	6.58E-08	1.29E-03	2.03E-07	7.09E-08	2.03E-03	3.19E-07	1.11E-07
5556	480513.6, 3851335.76	1.11E-03	1.75E-07	6.09E-08	1.20E-03	1.88E-07	6.56E-08	1.89E-03	2.97E-07	1.04E-07
5557	480523.56, 3851317.66	1.10E-03	1.74E-07	6.05E-08	1.19E-03	1.87E-07	6.52E-08	1.87E-03	2.95E-07	1.03E-07
5558	476921.56, 3849569.11	3.89E-04	6.12E-08	2.13E-08	4.19E-04	6.60E-08	2.30E-08	6.58E-04	1.04E-07	3.61E-08
5559	476521.19, 3849373.96	3.68E-04	5.80E-08	2.02E-08	3.97E-04	6.26E-08	2.18E-08	6.25E-04	9.84E-08	3.43E-08
5560	476391.45, 3849333.38	3.67E-04	5.79E-08	2.02E-08	3.96E-04	6.24E-08	2.17E-08	6.23E-04	9.82E-08	3.42E-08
5561	476219.41, 3849304.29	3.69E-04	5.82E-08	2.03E-08	3.98E-04	6.27E-08	2.18E-08	6.26E-04	9.86E-08	3.44E-08
5562	475679.11, 3849218.47	3.61E-04	5.69E-08	1.98E-08	3.90E-04	6.14E-08	2.14E-08	6.14E-04	9.67E-08	3.37E-08
5563	475677.71, 3849233.88	3.64E-04	5.74E-08	2.00E-08	3.93E-04	6.18E-08	2.15E-08	6.19E-04	9.75E-08	3.40E-08
5564	475492.74, 3849204.66	3.21E-04	5.06E-08	1.76E-08	3.46E-04	5.45E-08	1.90E-08	5.47E-04	8.61E-08	3.00E-08

5565	475497.64, 3849158.75	3.33E-04	5.24E-08	1.83E-08	3.59E-04	5.65E-08	1.97E-08	5.66E-04	8.92E-08	3.11E-08
5566	475391.35, 3849141.94	3.46E-04	5.45E-08	1.90E-08	3.73E-04	5.87E-08	2.05E-08	5.88E-04	9.27E-08	3.23E-08
5567	475277, 3849095.47	3.46E-04	5.45E-08	1.90E-08	3.73E-04	5.88E-08	2.05E-08	5.89E-04	9.27E-08	3.23E-08
5568	475183.93, 3849025.66	3.39E-04	5.35E-08	1.86E-08	3.66E-04	5.77E-08	2.01E-08	5.78E-04	9.10E-08	3.17E-08
5569	474453.23, 3848378.77	2.93E-04	4.62E-08	1.61E-08	3.16E-04	4.98E-08	1.74E-08	4.99E-04	7.85E-08	2.74E-08
5570	474569.63, 3848399.34	2.90E-04	4.56E-08	1.59E-08	3.12E-04	4.92E-08	1.71E-08	4.93E-04	7.76E-08	2.70E-08
5571	474644.33, 3848464.52	2.95E-04	4.64E-08	1.62E-08	3.18E-04	5.01E-08	1.74E-08	5.01E-04	7.90E-08	2.75E-08
5572	474719.04, 3848529.7	2.99E-04	4.72E-08	1.64E-08	3.23E-04	5.09E-08	1.77E-08	5.09E-04	8.02E-08	2.80E-08
5573	474793.74, 3848594.88	3.01E-04	4.75E-08	1.65E-08	3.25E-04	5.12E-08	1.78E-08	5.13E-04	8.08E-08	2.81E-08
5574	474868.45, 3848660.07	3.01E-04	4.75E-08	1.65E-08	3.25E-04	5.12E-08	1.78E-08	5.13E-04	8.08E-08	2.81E-08
5575	474943.15, 3848725.25	3.04E-04	4.79E-08	1.67E-08	3.28E-04	5.16E-08	1.80E-08	5.17E-04	8.14E-08	2.84E-08
5576	475017.86, 3848790.43	3.10E-04	4.89E-08	1.70E-08	3.34E-04	5.27E-08	1.84E-08	5.28E-04	8.31E-08	2.90E-08
5577	475092.56, 3848855.61	3.18E-04	5.01E-08	1.75E-08	3.43E-04	5.40E-08	1.88E-08	5.41E-04	8.52E-08	2.97E-08
5578	475232.58, 3848959.38	3.28E-04	5.17E-08	1.80E-08	3.54E-04	5.58E-08	1.94E-08	5.59E-04	8.80E-08	3.07E-08
5579	475368.47, 3849029.98	3.31E-04	5.22E-08	1.82E-08	3.57E-04	5.63E-08	1.96E-08	5.64E-04	8.88E-08	3.09E-08
5580	475609.57, 3849096.09	3.30E-04	5.20E-08	1.81E-08	3.56E-04	5.61E-08	1.95E-08	5.61E-04	8.85E-08	3.08E-08
5581	475680.68, 3849116.62	3.39E-04	5.33E-08	1.86E-08	3.65E-04	5.75E-08	2.00E-08	5.76E-04	9.07E-08	3.16E-08
5582	475843.76, 3849151.52	3.46E-04	5.44E-08	1.90E-08	3.73E-04	5.87E-08	2.05E-08	5.87E-04	9.25E-08	3.22E-08
5583	475935.73, 3849165.89	3.53E-04	5.56E-08	1.94E-08	3.81E-04	6.00E-08	2.09E-08	5.99E-04	9.44E-08	3.29E-08
5584	476027.71, 3849180.27	3.57E-04	5.63E-08	1.96E-08	3.85E-04	6.07E-08	2.11E-08	6.06E-04	9.55E-08	3.33E-08
5585	476119.68, 3849194.64	3.50E-04	5.52E-08	1.92E-08	3.78E-04	5.95E-08	2.07E-08	5.95E-04	9.37E-08	3.27E-08
5586	476211.65, 3849209.01	3.48E-04	5.49E-08	1.91E-08	3.76E-04	5.92E-08	2.06E-08	5.91E-04	9.32E-08	3.25E-08
5587	476497.81, 3849283.9	3.50E-04	5.51E-08	1.92E-08	3.77E-04	5.94E-08	2.07E-08	5.94E-04	9.35E-08	3.26E-08
5588	476603.73, 3849323.77	3.54E-04	5.58E-08	1.94E-08	3.82E-04	6.01E-08	2.09E-08	6.00E-04	9.46E-08	3.30E-08
5589	476728.99, 3849382.76	3.60E-04	5.66E-08	1.97E-08	3.88E-04	6.11E-08	2.13E-08	6.10E-04	9.60E-08	3.35E-08
5590	476801.27, 3849418.65	3.64E-04	5.73E-08	2.00E-08	3.92E-04	6.18E-08	2.15E-08	6.16E-04	9.71E-08	3.38E-08
5591	476956.2, 3849495.05	3.73E-04	5.87E-08	2.04E-08	4.01E-04	6.32E-08	2.20E-08	6.31E-04	9.94E-08	3.46E-08
5592	477038.84, 3849535.56	3.75E-04	5.91E-08	2.06E-08	4.04E-04	6.37E-08	2.22E-08	6.35E-04	1.00E-07	3.49E-08
5593	477121.49, 3849576.08	3.80E-04	5.99E-08	2.09E-08	4.10E-04	6.45E-08	2.25E-08	6.44E-04	1.01E-07	3.53E-08
5594	477204.13, 3849616.6	3.84E-04	6.04E-08	2.10E-08	4.13E-04	6.51E-08	2.27E-08	6.49E-04	1.02E-07	3.56E-08
5595	477286.78, 3849657.12	3.81E-04	6.00E-08	2.09E-08	4.10E-04	6.47E-08	2.25E-08	6.45E-04	1.02E-07	3.54E-08
5596	477369.42, 3849697.63	3.94E-04	6.21E-08	2.16E-08	4.25E-04	6.70E-08	2.33E-08	6.67E-04	1.05E-07	3.66E-08
5597	477452.07, 3849738.15	3.99E-04	6.28E-08	2.19E-08	4.30E-04	6.77E-08	2.36E-08	6.75E-04	1.06E-07	3.70E-08
5598	477534.71, 3849778.67	4.11E-04	6.47E-08	2.26E-08	4.43E-04	6.98E-08	2.43E-08	6.95E-04	1.09E-07	3.81E-08
5599	477617.36, 3849819.18	4.17E-04	6.57E-08	2.29E-08	4.49E-04	7.08E-08	2.47E-08	7.05E-04	1.11E-07	3.87E-08
5600	477824.74, 3849896.37	4.41E-04	6.94E-08	2.42E-08	4.75E-04	7.48E-08	2.61E-08	7.45E-04	1.17E-07	4.09E-08
5601	477906.31, 3849936.37	4.40E-04	6.94E-08	2.42E-08	4.75E-04	7.48E-08	2.61E-08	7.45E-04	1.17E-07	4.09E-08
5602	477987.89, 3849976.36	4.55E-04	7.17E-08	2.50E-08	4.90E-04	7.72E-08	2.69E-08	7.70E-04	1.21E-07	4.22E-08
5603	478069.47, 3850016.36	4.60E-04	7.24E-08	2.52E-08	4.95E-04	7.81E-08	2.72E-08	7.78E-04	1.23E-07	4.27E-08
5604	478151.04, 3850056.35	4.66E-04	7.34E-08	2.56E-08	5.02E-04	7.91E-08	2.75E-08	7.89E-04	1.24E-07	4.33E-08
5605	478232.62, 3850096.35	4.80E-04	7.57E-08	2.64E-08	5.18E-04	8.15E-08	2.84E-08	8.14E-04	1.28E-07	4.47E-08
5606	478314.2, 3850136.34	4.97E-04	7.83E-08	2.73E-08	5.36E-04	8.44E-08	2.94E-08	8.42E-04	1.33E-07	4.62E-08
5607	478395.77, 3850176.34	5.15E-04	8.11E-08	2.83E-08	5.55E-04	8.74E-08	3.05E-08	8.73E-04	1.38E-07	4.79E-08
5608	478575.43, 3850244.45	5.63E-04	8.87E-08	3.09E-08	6.07E-04	9.56E-08	3.33E-08	9.56E-04	1.51E-07	5.25E-08
5609	478665.06, 3850287.29	5.88E-04	9.26E-08	3.23E-08	6.34E-04	9.99E-08	3.48E-08	9.98E-04	1.57E-07	5.48E-08
5610	478754.69, 3850330.14	6.15E-04	9.69E-08	3.38E-08	6.63E-04	1.04E-07	3.64E-08	1.04E-03	1.65E-07	5.73E-08
5611	478844.32, 3850372.99	6.44E-04	1.02E-07	3.54E-08	6.95E-04	1.09E-07	3.81E-08	1.09E-03	1.72E-07	6.01E-08
5612	478933.95, 3850415.84	6.75E-04	1.06E-07	3.70E-08	7.28E-04	1.15E-07	3.99E-08	1.15E-03	1.81E-07	6.29E-08
5613	479023.58, 3850458.68	6.99E-04	1.10E-07	3.84E-08	7.54E-04	1.19E-07	4.14E-08	1.19E-03	1.87E-07	6.53E-08
5614	479110.66, 3850441.91	7.37E-04	1.16E-07	4.04E-08	7.94E-04	1.25E-07	4.36E-08	1.25E-03	1.98E-07	6.88E-08
5615	479191.22, 3850423.99	7.64E-04	1.20E-07	4.19E-08	8.24E-04	1.30E-07	4.52E-08	1.30E-03	2.05E-07	7.15E-08
5616	479274.32, 3850465.71	7.84E-04	1.24E-07	4.31E-08	8.46E-04	1.33E-07	4.64E-08	1.34E-03	2.11E-07	7.34E-08
5617	479357.43, 3850507.42	8.01E-04	1.26E-07	4.40E-08	8.65E-04	1.36E-07	4.75E-08	1.37E-03	2.16E-07	7.51E-08
5618	479440.53, 3850549.14	8.16E-04	1.29E-07	4.48E-08	8.80E-04	1.39E-07	4.83E-08	1.39E-03	2.20E-07	7.65E-08
5619	479523.64, 3850590.85	8.31E-04	1.31E-07	4.56E-08	8.97E-04	1.41E-07	4.92E-08	1.42E-03	2.24E-07	7.79E-08
5620	479606.74, 3850632.57	8.48E-04	1.34E-07	4.65E-08	9.15E-04	1.44E-07	5.02E-08	1.45E-03	2.28E-07	7.95E-08
5621	479777.37, 3850707.61	8.75E-04	1.38E-07	4.80E-08	9.44E-04	1.49E-07	5.18E-08	1.50E-03	2.36E-07	8.21E-08
5622	479864.9, 3850740.95	8.88E-04	1.40E-07	4.87E-08	9.58E-04	1.51E-07	5.26E-08	1.52E-03	2.39E-07	8.32E-08
5623	479931.87, 3850829.57	9.16E-04	1.44E-07	5.03E-08	9.89E-04	1.56E-07	5.43E-08	1.57E-03	2.47E-07	8.59E-08
5624	479995.55, 3850926.75	9.52E-04	1.50E-07	5.23E-08	1.03E-03	1.62E-07	5.64E-08	1.63E-03	2.56E-07	8.93E-08
5625	480079.78, 3850968.64	9.71E-04	1.53E-07	5.33E-08	1.05E-03	1.65E-07	5.75E-08	1.66E-03	2.61E-07	9.10E-08
5626	480164.01, 3851010.54	9.88E-04	1.56E-07	5.42E-08	1.07E-03	1.68E-07	5.85E-08	1.68E-03	2.65E-07	9.25E-08
5627	480248.23, 3851052.43	1.00E-03	1.58E-07	5.51E-08	1.08E-03	1.70E-07	5.94E-08	1.71E-03	2.69E-07	9.38E-08
5628	480332.46, 3851094.33	1.02E-03	1.60E-07	5.58E-08	1.10E-03	1.73E-07	6.01E-08	1.73E-03	2.72E-07	9.49E-08

5629	480416.69, 3851136.22	1.03E-03	1.62E-07	5.63E-08	1.11E-03	1.74E-07	6.07E-08	1.75E-03	2.75E-07	9.58E-08
5630	480579.95, 3851215.17	1.04E-03	1.65E-07	5.73E-08	1.13E-03	1.77E-07	6.18E-08	1.77E-03	2.79E-07	9.74E-08
5631	480658.98, 3851252.22	1.05E-03	1.66E-07	5.78E-08	1.14E-03	1.79E-07	6.23E-08	1.79E-03	2.82E-07	9.81E-08
5632	480817.36, 3851327.85	1.07E-03	1.69E-07	5.88E-08	1.15E-03	1.82E-07	6.34E-08	1.81E-03	2.86E-07	9.96E-08
5633	480896.72, 3851366.43	1.08E-03	1.70E-07	5.92E-08	1.16E-03	1.83E-07	6.39E-08	1.83E-03	2.88E-07	1.00E-07
5634	480976.07, 3851405	1.09E-03	1.71E-07	5.97E-08	1.17E-03	1.85E-07	6.44E-08	1.84E-03	2.90E-07	1.01E-07
5635	481178, 3851487.31	1.10E-03	1.74E-07	6.06E-08	1.19E-03	1.87E-07	6.53E-08	1.86E-03	2.94E-07	1.02E-07
5636	481244.9, 3851557.17	1.14E-03	1.79E-07	6.24E-08	1.22E-03	1.93E-07	6.72E-08	1.92E-03	3.02E-07	1.05E-07
5637	481311.81, 3851627.03	1.17E-03	1.84E-07	6.41E-08	1.26E-03	1.98E-07	6.91E-08	1.97E-03	3.11E-07	1.08E-07
5638	481378.71, 3851696.89	1.20E-03	1.89E-07	6.60E-08	1.30E-03	2.04E-07	7.11E-08	2.03E-03	3.20E-07	1.11E-07
5639	481445.61, 3851766.76	1.24E-03	1.95E-07	6.79E-08	1.33E-03	2.10E-07	7.32E-08	2.09E-03	3.29E-07	1.15E-07
5640	481512.51, 3851836.62	1.27E-03	2.01E-07	6.99E-08	1.37E-03	2.16E-07	7.53E-08	2.15E-03	3.39E-07	1.18E-07
5641	481579.42, 3851906.48	1.31E-03	2.07E-07	7.20E-08	1.41E-03	2.23E-07	7.75E-08	2.21E-03	3.49E-07	1.21E-07
5642	481646.32, 3851976.34	1.35E-03	2.13E-07	7.42E-08	1.46E-03	2.29E-07	7.99E-08	2.28E-03	3.59E-07	1.25E-07
5643	481713.22, 3852046.2	1.39E-03	2.19E-07	7.62E-08	1.50E-03	2.36E-07	8.21E-08	2.34E-03	3.69E-07	1.29E-07
5644	481780.12, 3852116.06	1.44E-03	2.26E-07	7.88E-08	1.55E-03	2.44E-07	8.49E-08	2.42E-03	3.82E-07	1.33E-07
5645	481847.03, 3852185.92	1.49E-03	2.35E-07	8.20E-08	1.61E-03	2.53E-07	8.83E-08	2.52E-03	3.97E-07	1.38E-07
5646	481913.93, 3852255.78	1.55E-03	2.44E-07	8.50E-08	1.67E-03	2.63E-07	9.15E-08	2.61E-03	4.11E-07	1.43E-07
5647	481980.83, 3852325.65	1.61E-03	2.53E-07	8.81E-08	1.73E-03	2.72E-07	9.49E-08	2.70E-03	4.26E-07	1.48E-07
5648	482047.73, 3852395.51	1.66E-03	2.62E-07	9.12E-08	1.79E-03	2.82E-07	9.83E-08	2.80E-03	4.41E-07	1.54E-07
5649	482114.64, 3852465.37	1.72E-03	2.71E-07	9.45E-08	1.85E-03	2.92E-07	1.02E-07	2.89E-03	4.56E-07	1.59E-07
5650	482181.54, 3852535.23	1.79E-03	2.81E-07	9.80E-08	1.92E-03	3.03E-07	1.05E-07	3.00E-03	4.72E-07	1.65E-07
5651	482338.69, 3852700.05	1.95E-03	3.08E-07	1.07E-07	2.10E-03	3.31E-07	1.15E-07	3.27E-03	5.16E-07	1.80E-07
5652	482404.05, 3852767.78	2.03E-03	3.20E-07	1.12E-07	2.19E-03	3.45E-07	1.20E-07	3.41E-03	5.37E-07	1.87E-07
5653	482469.4, 3852835.52	2.13E-03	3.35E-07	1.17E-07	2.29E-03	3.60E-07	1.26E-07	3.56E-03	5.60E-07	1.95E-07
5654	482534.75, 3852903.25	2.23E-03	3.52E-07	1.23E-07	2.40E-03	3.79E-07	1.32E-07	3.73E-03	5.88E-07	2.05E-07
5655	482600.11, 3852970.99	2.36E-03	3.71E-07	1.29E-07	2.54E-03	4.00E-07	1.39E-07	3.94E-03	6.20E-07	2.16E-07
5656	482706.71, 3853119.28	2.72E-03	4.28E-07	1.49E-07	2.92E-03	4.61E-07	1.60E-07	4.52E-03	7.12E-07	2.48E-07
5657	482747.96, 3853199.84	2.97E-03	4.68E-07	1.63E-07	3.20E-03	5.03E-07	1.75E-07	4.92E-03	7.75E-07	2.70E-07
5658	482789.21, 3853280.4	3.29E-03	5.19E-07	1.81E-07	3.54E-03	5.57E-07	1.94E-07	5.41E-03	8.52E-07	2.97E-07
5659	482830.46, 3853360.96	3.77E-03	5.94E-07	2.07E-07	4.04E-03	6.36E-07	2.22E-07	6.07E-03	9.57E-07	3.33E-07
5660	482871.71, 3853441.52	5.86E-03	9.23E-07	3.21E-07	6.19E-03	9.75E-07	3.40E-07	8.35E-03	1.32E-06	4.58E-07
5661	482912.95, 3853522.07	1.12E-02	1.76E-06	6.12E-07	1.16E-02	1.83E-06	6.38E-07	1.38E-02	2.18E-06	7.59E-07
5662	482954.2, 3853602.63	1.12E-02	1.76E-06	6.12E-07	1.17E-02	1.84E-06	6.41E-07	1.44E-02	2.27E-06	7.91E-07
5663	482995.45, 3853683.19	1.17E-02	1.84E-06	6.43E-07	1.24E-02	1.95E-06	6.78E-07	1.64E-02	2.58E-06	8.98E-07
5664	483036.7, 3853763.75	1.37E-02	2.15E-06	7.49E-07	1.46E-02	2.29E-06	7.99E-07	2.12E-02	3.33E-06	1.16E-06
5665	483214.2, 3853909.91	1.47E-02	2.32E-06	8.07E-07	1.59E-02	2.51E-06	8.74E-07	2.58E-02	4.07E-06	1.42E-06
5666	483307.01, 3853910.44	1.33E-02	2.09E-06	7.28E-07	1.44E-02	2.26E-06	7.89E-07	2.33E-02	3.68E-06	1.28E-06
5667	483399.83, 3853910.96	1.20E-02	1.89E-06	6.57E-07	1.30E-02	2.04E-06	7.12E-07	2.11E-02	3.32E-06	1.16E-06
5668	483494.52, 3854009.24	1.38E-02	2.17E-06	7.57E-07	1.50E-02	2.36E-06	8.23E-07	2.49E-02	3.92E-06	1.37E-06
5669	483496.41, 3854106.98	1.71E-02	2.69E-06	9.38E-07	1.86E-02	2.93E-06	1.02E-06	3.14E-02	4.94E-06	1.72E-06
5670	483577.56, 3854261.96	2.00E-02	3.15E-06	1.10E-06	2.18E-02	3.43E-06	1.19E-06	3.67E-02	5.78E-06	2.01E-06
5671	483656.83, 3854319.19	1.95E-02	3.07E-06	1.07E-06	2.12E-02	3.33E-06	1.16E-06	3.54E-02	5.58E-06	1.94E-06
5672	483736.1, 3854376.41	1.88E-02	2.97E-06	1.03E-06	2.05E-02	3.23E-06	1.12E-06	3.40E-02	5.35E-06	1.87E-06
5673	483815.37, 3854433.64	1.84E-02	2.90E-06	1.01E-06	1.99E-02	3.14E-06	1.09E-06	3.28E-02	5.17E-06	1.80E-06
5674	483894.63, 3854490.87	1.80E-02	2.84E-06	9.90E-07	1.96E-02	3.08E-06	1.07E-06	3.19E-02	5.03E-06	1.75E-06
5675	483973.9, 3854548.1	1.81E-02	2.85E-06	9.93E-07	1.96E-02	3.09E-06	1.08E-06	3.17E-02	4.99E-06	1.74E-06
5676	484053.17, 3854605.32	1.89E-02	2.98E-06	1.04E-06	2.05E-02	3.22E-06	1.12E-06	3.28E-02	5.17E-06	1.80E-06
5677	484214.97, 3854698.15	2.04E-02	3.22E-06	1.12E-06	2.20E-02	3.47E-06	1.21E-06	3.48E-02	5.47E-06	1.91E-06
5678	484297.5, 3854733.74	2.16E-02	3.40E-06	1.18E-06	2.32E-02	3.66E-06	1.28E-06	3.64E-02	5.74E-06	2.00E-06
5679	484380.03, 3854769.34	2.18E-02	3.43E-06	1.19E-06	2.34E-02	3.69E-06	1.29E-06	3.66E-02	5.77E-06	2.01E-06
5680	484462.56, 3854804.94	2.26E-02	3.56E-06	1.24E-06	2.43E-02	3.84E-06	1.34E-06	3.80E-02	5.99E-06	2.09E-06
5681	484545.09, 3854840.53	2.24E-02	3.52E-06	1.23E-06	2.41E-02	3.79E-06	1.32E-06	3.75E-02	5.92E-06	2.06E-06
5682	484691.88, 3854912.59	2.41E-02	3.80E-06	1.32E-06	2.60E-02	4.09E-06	1.42E-06	4.04E-02	6.36E-06	2.22E-06
5683	484830.81, 3855012.51	2.66E-02	4.19E-06	1.46E-06	2.86E-02	4.51E-06	1.57E-06	4.44E-02	7.00E-06	2.44E-06
5684	484905.48, 3855075.97	2.94E-02	4.62E-06	1.61E-06	3.16E-02	4.98E-06	1.73E-06	4.91E-02	7.74E-06	2.70E-06
5685	484980.14, 3855139.44	3.12E-02	4.92E-06	1.71E-06	3.36E-02	5.29E-06	1.84E-06	5.23E-02	8.24E-06	2.87E-06
5686	485054.81, 3855202.91	3.22E-02	5.07E-06	1.77E-06	3.47E-02	5.46E-06	1.90E-06	5.40E-02	8.51E-06	2.96E-06
5687	485129.48, 3855266.37	3.20E-02	5.03E-06	1.75E-06	3.44E-02	5.42E-06	1.89E-06	5.36E-02	8.44E-06	2.94E-06
5688	485204.15, 3855329.84	3.37E-02	5.31E-06	1.85E-06	3.63E-02	5.72E-06	1.99E-06	5.67E-02	8.93E-06	3.11E-06
5689	485278.82, 3855393.31	3.43E-02	5.40E-06	1.88E-06	3.69E-02	5.81E-06	2.02E-06	5.77E-02	9.08E-06	3.16E-06
5690	485353.48, 3855456.77	3.53E-02	5.57E-06	1.94E-06	3.81E-02	6.00E-06	2.09E-06	5.96E-02	9.39E-06	3.27E-06
5691	485428.15, 3855520.24	3.57E-02	5.62E-06	1.96E-06	3.84E-02	6.06E-06	2.11E-06	6.03E-02	9.51E-06	3.31E-06
5692	485502.82, 3855583.71	3.61E-02	5.69E-06	1.98E-06	3.89E-02	6.14E-06	2.14E-06	6.12E-02	9.65E-06	3.36E-06

5693	485577.49, 3855647.17	3.75E-02	5.91E-06	2.06E-06	4.05E-02	6.37E-06	2.22E-06	6.38E-02	1.00E-05	3.50E-06
5694	485652.16, 3855710.64	3.89E-02	6.12E-06	2.13E-06	4.19E-02	6.61E-06	2.30E-06	6.63E-02	1.04E-05	3.64E-06
5695	485726.83, 3855774.11	3.93E-02	6.19E-06	2.16E-06	4.24E-02	6.68E-06	2.33E-06	6.72E-02	1.06E-05	3.69E-06
5696	485801.49, 3855837.57	3.92E-02	6.17E-06	2.15E-06	4.23E-02	6.66E-06	2.32E-06	6.70E-02	1.06E-05	3.68E-06
5697	485876.16, 3855901.04	3.95E-02	6.22E-06	2.17E-06	4.26E-02	6.71E-06	2.34E-06	6.77E-02	1.07E-05	3.72E-06
5698	485950.83, 3855964.5	3.94E-02	6.21E-06	2.16E-06	4.26E-02	6.70E-06	2.34E-06	6.77E-02	1.07E-05	3.72E-06
5699	486025.5, 3856027.97	3.88E-02	6.11E-06	2.13E-06	4.19E-02	6.59E-06	2.30E-06	6.67E-02	1.05E-05	3.66E-06
5700	486100.17, 3856091.44	4.05E-02	6.38E-06	2.22E-06	4.38E-02	6.89E-06	2.40E-06	6.98E-02	1.10E-05	3.83E-06
5701	486174.83, 3856154.9	3.95E-02	6.23E-06	2.17E-06	4.27E-02	6.73E-06	2.34E-06	6.82E-02	1.07E-05	3.74E-06
5702	486249.5, 3856218.37	3.71E-02	5.85E-06	2.04E-06	4.01E-02	6.32E-06	2.20E-06	6.41E-02	1.01E-05	3.52E-06
5703	486324.17, 3856281.84	3.53E-02	5.56E-06	1.94E-06	3.82E-02	6.01E-06	2.09E-06	6.10E-02	9.61E-06	3.35E-06
5704	486398.84, 3856345.3	3.61E-02	5.68E-06	1.98E-06	3.90E-02	6.14E-06	2.14E-06	6.23E-02	9.82E-06	3.42E-06
5705	486473.51, 3856408.77	3.62E-02	5.70E-06	1.99E-06	3.91E-02	6.16E-06	2.15E-06	6.26E-02	9.86E-06	3.44E-06
5706	486548.17, 3856472.24	3.72E-02	5.85E-06	2.04E-06	4.02E-02	6.33E-06	2.20E-06	6.42E-02	1.01E-05	3.53E-06
5707	486622.84, 3856535.7	3.82E-02	6.02E-06	2.10E-06	4.13E-02	6.50E-06	2.27E-06	6.60E-02	1.04E-05	3.62E-06
5708	486765.48, 3856659.69	4.10E-02	6.46E-06	2.25E-06	4.43E-02	6.98E-06	2.43E-06	7.08E-02	1.12E-05	3.89E-06
5709	486833.44, 3856720.2	4.20E-02	6.62E-06	2.31E-06	4.54E-02	7.16E-06	2.49E-06	7.27E-02	1.14E-05	3.99E-06
5710	486901.41, 3856780.72	4.34E-02	6.84E-06	2.38E-06	4.69E-02	7.39E-06	2.57E-06	7.51E-02	1.18E-05	4.12E-06
5711	486969.38, 3856841.24	4.45E-02	7.01E-06	2.44E-06	4.81E-02	7.57E-06	2.64E-06	7.70E-02	1.21E-05	4.22E-06
5712	487037.34, 3856901.75	4.54E-02	7.16E-06	2.49E-06	4.91E-02	7.74E-06	2.70E-06	7.87E-02	1.24E-05	4.32E-06
5713	487271.23, 3856855.51	3.79E-02	5.97E-06	2.08E-06	4.09E-02	6.45E-06	2.25E-06	6.55E-02	1.03E-05	3.60E-06
5714	487368.96, 3856857.29	3.60E-02	5.68E-06	1.98E-06	3.89E-02	6.14E-06	2.14E-06	6.23E-02	9.82E-06	3.42E-06
5715	487466.68, 3856859.06	3.45E-02	5.43E-06	1.89E-06	3.72E-02	5.87E-06	2.04E-06	5.96E-02	9.39E-06	3.27E-06
5716	487636.44, 3856930	3.34E-02	5.27E-06	1.83E-06	3.61E-02	5.69E-06	1.98E-06	5.78E-02	9.11E-06	3.17E-06
5717	487709.57, 3856928.43	3.23E-02	5.09E-06	1.77E-06	3.49E-02	5.50E-06	1.92E-06	5.59E-02	8.81E-06	3.07E-06
5718	487782.55, 3856841.96	2.95E-02	4.66E-06	1.62E-06	3.19E-02	5.03E-06	1.75E-06	5.11E-02	8.05E-06	2.80E-06
5719	487849.83, 3856754.74	2.73E-02	4.29E-06	1.50E-06	2.95E-02	4.64E-06	1.62E-06	4.71E-02	7.42E-06	2.58E-06
5720	487918.03, 3856819.39	2.77E-02	4.36E-06	1.52E-06	2.99E-02	4.71E-06	1.64E-06	4.78E-02	7.53E-06	2.62E-06
5721	487918.8, 3856886.37	2.88E-02	4.54E-06	1.58E-06	3.11E-02	4.90E-06	1.71E-06	4.98E-02	7.84E-06	2.73E-06
5722	488065.47, 3857127.51	3.08E-02	4.86E-06	1.69E-06	3.33E-02	5.25E-06	1.83E-06	5.35E-02	8.42E-06	2.93E-06
5723	488192.19, 3857385.84	3.33E-02	5.24E-06	1.82E-06	3.60E-02	5.66E-06	1.97E-06	5.79E-02	9.12E-06	3.18E-06
5724	488191.22, 3857473.87	3.47E-02	5.47E-06	1.91E-06	3.76E-02	5.92E-06	2.06E-06	6.05E-02	9.53E-06	3.32E-06
5725	488190.24, 3857561.91	3.62E-02	5.71E-06	1.99E-06	3.92E-02	6.17E-06	2.15E-06	6.32E-02	9.95E-06	3.47E-06
5726	488158.35, 3857691.13	3.95E-02	6.22E-06	2.17E-06	4.27E-02	6.73E-06	2.34E-06	6.89E-02	1.09E-05	3.78E-06
5727	488208.37, 3857816.66	4.03E-02	6.35E-06	2.21E-06	4.36E-02	6.87E-06	2.39E-06	7.04E-02	1.11E-05	3.87E-06
5728	488271.97, 3857874.6	3.92E-02	6.17E-06	2.15E-06	4.24E-02	6.68E-06	2.33E-06	6.85E-02	1.08E-05	3.76E-06
5729	488463.56, 3857942.31	3.44E-02	5.42E-06	1.89E-06	3.72E-02	5.86E-06	2.04E-06	6.00E-02	9.45E-06	3.29E-06
5730	488554.83, 3857940.83	3.22E-02	5.07E-06	1.77E-06	3.48E-02	5.48E-06	1.91E-06	5.61E-02	8.83E-06	3.08E-06
5731	488646.1, 3857939.36	3.02E-02	4.76E-06	1.66E-06	3.27E-02	5.15E-06	1.79E-06	5.26E-02	8.29E-06	2.89E-06
5732	488737.37, 3857937.88	2.85E-02	4.49E-06	1.56E-06	3.08E-02	4.85E-06	1.69E-06	4.96E-02	7.81E-06	2.72E-06
5733	488733.59, 3857960.57	2.86E-02	4.51E-06	1.57E-06	3.10E-02	4.88E-06	1.70E-06	4.99E-02	7.85E-06	2.74E-06
5734	488638.09, 3857961.57	3.05E-02	4.80E-06	1.67E-06	3.30E-02	5.20E-06	1.81E-06	5.31E-02	8.37E-06	2.92E-06
5735	488542.6, 3857962.56	3.26E-02	5.14E-06	1.79E-06	3.53E-02	5.55E-06	1.94E-06	5.68E-02	8.95E-06	3.12E-06
5736	488447.1, 3857963.56	3.50E-02	5.52E-06	1.92E-06	3.79E-02	5.97E-06	2.08E-06	6.11E-02	9.63E-06	3.36E-06
5737	488254.28, 3857890.36	4.00E-02	6.30E-06	2.19E-06	4.33E-02	6.82E-06	2.38E-06	7.00E-02	1.10E-05	3.84E-06
5738	488191.69, 3857833.06	4.12E-02	6.48E-06	2.26E-06	4.46E-02	7.02E-06	2.45E-06	7.21E-02	1.14E-05	3.95E-06
5739	488129.5, 3857907.43	4.51E-02	7.11E-06	2.48E-06	4.89E-02	7.70E-06	2.68E-06	7.93E-02	1.25E-05	4.35E-06
5740	488196.47, 3857968.74	4.36E-02	6.87E-06	2.39E-06	4.72E-02	7.44E-06	2.59E-06	7.66E-02	1.21E-05	4.21E-06
5741	488263.44, 3858030.04	4.22E-02	6.64E-06	2.31E-06	4.57E-02	7.19E-06	2.51E-06	7.41E-02	1.17E-05	4.07E-06
5742	488400.64, 3858132.9	3.85E-02	6.07E-06	2.11E-06	4.17E-02	6.57E-06	2.29E-06	6.74E-02	1.06E-05	3.70E-06
5743	488519.89, 3858218.38	3.42E-02	5.38E-06	1.87E-06	3.69E-02	5.82E-06	2.03E-06	5.94E-02	9.36E-06	3.26E-06
5744	488647.97, 3858214.99	3.02E-02	4.76E-06	1.66E-06	3.26E-02	5.14E-06	1.79E-06	5.24E-02	8.26E-06	2.88E-06
5745	488727.05, 3858167.67	2.86E-02	4.50E-06	1.57E-06	3.09E-02	4.87E-06	1.70E-06	4.96E-02	7.82E-06	2.72E-06
5746	488806.12, 3858120.35	2.72E-02	4.28E-06	1.49E-06	2.94E-02	4.63E-06	1.61E-06	4.72E-02	7.44E-06	2.59E-06
5747	488885.2, 3858073.03	2.59E-02	4.08E-06	1.42E-06	2.80E-02	4.42E-06	1.54E-06	4.51E-02	7.10E-06	2.47E-06
5748	489055.76, 3857991.18	2.36E-02	3.72E-06	1.30E-06	2.56E-02	4.03E-06	1.40E-06	4.11E-02	6.48E-06	2.26E-06
5749	489245.39, 3857944.55	2.15E-02	3.39E-06	1.18E-06	2.33E-02	3.66E-06	1.28E-06	3.74E-02	5.90E-06	2.05E-06
5750	489430.63, 3857930.91	1.97E-02	3.10E-06	1.08E-06	2.13E-02	3.35E-06	1.17E-06	3.42E-02	5.39E-06	1.88E-06
5751	489517.74, 3857929.36	1.89E-02	2.97E-06	1.04E-06	2.04E-02	3.22E-06	1.12E-06	3.28E-02	5.17E-06	1.80E-06
5752	489604.86, 3857927.82	1.82E-02	2.86E-06	9.96E-07	1.96E-02	3.09E-06	1.08E-06	3.16E-02	4.97E-06	1.73E-06
5753	489691.97, 3857926.28	1.75E-02	2.75E-06	9.59E-07	1.89E-02	2.98E-06	1.04E-06	3.04E-02	4.78E-06	1.67E-06
5754	489779.08, 3857924.73	1.68E-02	2.65E-06	9.24E-07	1.82E-02	2.87E-06	9.99E-07	2.92E-02	4.61E-06	1.61E-06
5755	490017.55, 3857875.09	1.54E-02	2.42E-06	8.44E-07	1.66E-02	2.62E-06	9.12E-07	2.67E-02	4.21E-06	1.47E-06
5756	490033.82, 3857960.81	1.50E-02	2.37E-06	8.26E-07	1.63E-02	2.56E-06	8.93E-07	2.61E-02	4.11E-06	1.43E-06

5757	489959.15, 3857987.49	1.54E-02	2.43E-06	8.46E-07	1.67E-02	2.63E-06	9.15E-07	2.67E-02	4.21E-06	1.47E-06
5758	489791.49, 3858016.12	1.64E-02	2.59E-06	9.01E-07	1.78E-02	2.80E-06	9.74E-07	2.85E-02	4.49E-06	1.56E-06
5759	489698.51, 3858018.07	1.71E-02	2.69E-06	9.38E-07	1.85E-02	2.91E-06	1.01E-06	2.97E-02	4.68E-06	1.63E-06
5760	489605.52, 3858020.02	1.78E-02	2.81E-06	9.78E-07	1.93E-02	3.04E-06	1.06E-06	3.10E-02	4.88E-06	1.70E-06
5761	489512.53, 3858021.96	1.86E-02	2.93E-06	1.02E-06	2.01E-02	3.17E-06	1.10E-06	3.23E-02	5.09E-06	1.77E-06
5762	489419.55, 3858023.91	1.95E-02	3.06E-06	1.07E-06	2.10E-02	3.31E-06	1.15E-06	3.38E-02	5.33E-06	1.86E-06
5763	489228.47, 3858041.29	2.14E-02	3.37E-06	1.17E-06	2.31E-02	3.65E-06	1.27E-06	3.72E-02	5.87E-06	2.04E-06
5764	489065.75, 3858085.78	2.32E-02	3.65E-06	1.27E-06	2.51E-02	3.95E-06	1.38E-06	4.03E-02	6.35E-06	2.21E-06
5765	489001.12, 3858114.86	2.40E-02	3.77E-06	1.31E-06	2.59E-02	4.08E-06	1.42E-06	4.16E-02	6.56E-06	2.29E-06
5766	488861.89, 3858189.81	2.58E-02	4.06E-06	1.41E-06	2.79E-02	4.39E-06	1.53E-06	4.48E-02	7.05E-06	2.46E-06
5767	488787.29, 3858235.69	2.67E-02	4.21E-06	1.47E-06	2.89E-02	4.55E-06	1.58E-06	4.63E-02	7.29E-06	2.54E-06
5768	488712.68, 3858281.57	2.78E-02	4.38E-06	1.53E-06	3.01E-02	4.74E-06	1.65E-06	4.82E-02	7.60E-06	2.65E-06
5769	488654.39, 3858436.17	2.53E-02	3.99E-06	1.39E-06	2.73E-02	4.30E-06	1.50E-06	4.28E-02	6.74E-06	2.35E-06
5770	488726.31, 3858505.26	2.21E-02	3.47E-06	1.21E-06	2.37E-02	3.73E-06	1.30E-06	3.64E-02	5.73E-06	2.00E-06
5771	488880.6, 3858599.28	1.82E-02	2.87E-06	1.00E-06	1.95E-02	3.08E-06	1.07E-06	2.93E-02	4.61E-06	1.61E-06
5772	489008.06, 3858714.75	1.58E-02	2.48E-06	8.66E-07	1.68E-02	2.65E-06	9.23E-07	2.44E-02	3.85E-06	1.34E-06
5773	489071.48, 3858772.72	1.47E-02	2.32E-06	8.07E-07	1.57E-02	2.47E-06	8.59E-07	2.25E-02	3.54E-06	1.23E-06
5774	489244.6, 3858920.2	1.07E-02	1.69E-06	5.88E-07	1.14E-02	1.80E-06	6.28E-07	1.69E-02	2.66E-06	9.28E-07
5775	489239.69, 3858952.23	1.01E-02	1.60E-06	5.56E-07	1.08E-02	1.71E-06	5.94E-07	1.60E-02	2.53E-06	8.81E-07
5776	489121.67, 3858854.49	1.30E-02	2.05E-06	7.15E-07	1.39E-02	2.18E-06	7.61E-07	1.98E-02	3.12E-06	1.09E-06
5777	489059.59, 3858797.27	1.47E-02	2.31E-06	8.05E-07	1.56E-02	2.46E-06	8.56E-07	2.21E-02	3.49E-06	1.21E-06
5778	488997.52, 3858740.04	1.58E-02	2.48E-06	8.65E-07	1.68E-02	2.64E-06	9.21E-07	2.41E-02	3.79E-06	1.32E-06
5779	488935.44, 3858682.82	1.68E-02	2.64E-06	9.20E-07	1.79E-02	2.82E-06	9.82E-07	2.60E-02	4.10E-06	1.43E-06
5780	488869.17, 3858848.43	2.10E-02	3.30E-06	1.15E-06	2.20E-02	3.46E-06	1.21E-06	2.76E-02	4.34E-06	1.51E-06
5781	488932.48, 3858892.69	1.64E-02	2.59E-06	9.03E-07	1.73E-02	2.73E-06	9.51E-07	2.27E-02	3.57E-06	1.24E-06
5782	489063.27, 3858977.17	1.02E-02	1.61E-06	5.60E-07	1.09E-02	1.71E-06	5.97E-07	1.58E-02	2.49E-06	8.69E-07
5783	489248.2, 3859117.15	7.45E-03	1.17E-06	4.09E-07	7.99E-03	1.26E-06	4.39E-07	1.22E-02	1.92E-06	6.69E-07
5784	489296.25, 3859049.22	8.38E-03	1.32E-06	4.60E-07	8.98E-03	1.41E-06	4.93E-07	1.36E-02	2.14E-06	7.45E-07
5785	489353.38, 3858993.97	9.11E-03	1.44E-06	5.00E-07	9.77E-03	1.54E-06	5.36E-07	1.47E-02	2.32E-06	8.08E-07
5786	489537.25, 3859120.22	7.39E-03	1.16E-06	4.05E-07	7.94E-03	1.25E-06	4.36E-07	1.22E-02	1.92E-06	6.70E-07
5787	489726.98, 3859246.04	6.27E-03	9.87E-07	3.44E-07	6.74E-03	1.06E-06	3.70E-07	1.05E-02	1.65E-06	5.74E-07
5788	489911.46, 3859366.33	5.50E-03	8.66E-07	3.02E-07	5.92E-03	9.32E-07	3.25E-07	9.24E-03	1.46E-06	5.07E-07
5789	490035.3, 3859430.26	5.14E-03	8.10E-07	2.82E-07	5.54E-03	8.72E-07	3.04E-07	8.66E-03	1.36E-06	4.75E-07
5790	490101.11, 3859458.61	5.00E-03	7.88E-07	2.75E-07	5.39E-03	8.49E-07	2.96E-07	8.44E-03	1.33E-06	4.63E-07
5791	490312.68, 3859560.3	4.57E-03	7.20E-07	2.51E-07	4.93E-03	7.76E-07	2.70E-07	7.74E-03	1.22E-06	4.25E-07
5792	490401.63, 3859603.12	4.42E-03	6.96E-07	2.42E-07	4.76E-03	7.50E-07	2.61E-07	7.48E-03	1.18E-06	4.11E-07
5793	490490.57, 3859645.94	4.27E-03	6.73E-07	2.34E-07	4.61E-03	7.26E-07	2.53E-07	7.24E-03	1.14E-06	3.98E-07
5794	490579.51, 3859688.76	4.14E-03	6.52E-07	2.27E-07	4.47E-03	7.03E-07	2.45E-07	7.03E-03	1.11E-06	3.86E-07
5795	490668.45, 3859731.58	4.02E-03	6.34E-07	2.21E-07	4.34E-03	6.84E-07	2.38E-07	6.84E-03	1.08E-06	3.75E-07
5796	490757.4, 3859774.4	3.90E-03	6.14E-07	2.14E-07	4.20E-03	6.62E-07	2.31E-07	6.63E-03	1.04E-06	3.64E-07
5797	491003.53, 3859861.82	3.67E-03	5.79E-07	2.02E-07	3.96E-03	6.24E-07	2.18E-07	6.26E-03	9.86E-07	3.43E-07
5798	491081.41, 3859879.05	3.63E-03	5.72E-07	1.99E-07	3.92E-03	6.17E-07	2.15E-07	6.19E-03	9.75E-07	3.40E-07
5799	491229.76, 3859917.82	3.53E-03	5.57E-07	1.94E-07	3.81E-03	6.00E-07	2.09E-07	6.02E-03	9.49E-07	3.31E-07
5800	491300.22, 3859939.35	3.48E-03	5.48E-07	1.91E-07	3.75E-03	5.91E-07	2.06E-07	5.93E-03	9.34E-07	3.25E-07
5801	491350.49, 3860012.03	3.29E-03	5.18E-07	1.81E-07	3.55E-03	5.59E-07	1.95E-07	5.61E-03	8.83E-07	3.08E-07
5802	491406.82, 3860092.57	3.11E-03	4.89E-07	1.71E-07	3.35E-03	5.28E-07	1.84E-07	5.30E-03	8.34E-07	2.91E-07
5803	491483.37, 3860121.96	3.06E-03	4.81E-07	1.68E-07	3.30E-03	5.19E-07	1.81E-07	5.21E-03	8.21E-07	2.86E-07
5804	491559.91, 3860151.36	3.00E-03	4.73E-07	1.65E-07	3.24E-03	5.10E-07	1.78E-07	5.12E-03	8.07E-07	2.81E-07
5805	491711.81, 3860237.76	2.91E-03	4.59E-07	1.60E-07	3.14E-03	4.95E-07	1.73E-07	4.98E-03	7.84E-07	2.73E-07
5806	491755.2, 3860319.07	2.70E-03	4.25E-07	1.48E-07	2.91E-03	4.58E-07	1.60E-07	4.60E-03	7.24E-07	2.52E-07
5807	491704.71, 3860366.54	2.61E-03	4.11E-07	1.43E-07	2.81E-03	4.43E-07	1.54E-07	4.45E-03	7.01E-07	2.44E-07
5808	491623.43, 3860462.39	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.14E-03	6.52E-07	2.27E-07
5809	491534.02, 3860439.85	2.52E-03	3.96E-07	1.38E-07	2.71E-03	4.27E-07	1.49E-07	4.29E-03	6.76E-07	2.36E-07
5810	491313.95, 3860268.18	2.69E-03	4.24E-07	1.48E-07	2.90E-03	4.58E-07	1.59E-07	4.59E-03	7.22E-07	2.52E-07
5811	491187.12, 3860143.56	2.95E-03	4.64E-07	1.62E-07	3.18E-03	5.01E-07	1.74E-07	5.01E-03	7.90E-07	2.75E-07
5812	491070.43, 3860075.97	3.09E-03	4.87E-07	1.70E-07	3.33E-03	5.25E-07	1.83E-07	5.26E-03	8.28E-07	2.88E-07
5813	490995.09, 3860039.39	3.16E-03	4.98E-07	1.74E-07	3.41E-03	5.37E-07	1.87E-07	5.38E-03	8.48E-07	2.95E-07
5814	490919.75, 3860002.8	3.24E-03	5.11E-07	1.78E-07	3.50E-03	5.51E-07	1.92E-07	5.51E-03	8.69E-07	3.03E-07
5815	490756.81, 3859894.53	3.52E-03	5.54E-07	1.93E-07	3.79E-03	5.98E-07	2.08E-07	5.98E-03	9.42E-07	3.28E-07
5816	490668.07, 3859860.92	3.58E-03	5.65E-07	1.97E-07	3.87E-03	6.09E-07	2.12E-07	6.09E-03	9.59E-07	3.34E-07
5817	490579.34, 3859827.3	3.66E-03	5.77E-07	2.01E-07	3.95E-03	6.22E-07	2.17E-07	6.22E-03	9.80E-07	3.41E-07
5818	490490.6, 3859793.68	3.74E-03	5.89E-07	2.05E-07	4.03E-03	6.34E-07	2.21E-07	6.34E-03	9.98E-07	3.48E-07
5819	490401.86, 3859760.07	3.81E-03	6.01E-07	2.09E-07	4.11E-03	6.48E-07	2.26E-07	6.46E-03	1.02E-06	3.55E-07
5820	490313.12, 3859726.45	3.90E-03	6.15E-07	2.14E-07	4.21E-03	6.63E-07	2.31E-07	6.61E-03	1.04E-06	3.63E-07

5821	490224.39, 3859692.83	4.00E-03	6.30E-07	2.19E-07	4.31E-03	6.79E-07	2.37E-07	6.77E-03	1.07E-06	3.72E-07
5822	490135.65, 3859659.22	4.11E-03	6.47E-07	2.25E-07	4.43E-03	6.97E-07	2.43E-07	6.95E-03	1.09E-06	3.81E-07
5823	489918.19, 3859559.23	4.47E-03	7.03E-07	2.45E-07	4.81E-03	7.58E-07	2.64E-07	7.54E-03	1.19E-06	4.14E-07
5824	489743.61, 3859486	4.75E-03	7.49E-07	2.61E-07	5.12E-03	8.07E-07	2.81E-07	8.01E-03	1.26E-06	4.40E-07
5825	489660.32, 3859440.27	4.96E-03	7.82E-07	2.72E-07	5.34E-03	8.42E-07	2.93E-07	8.35E-03	1.32E-06	4.58E-07
5826	489577.04, 3859394.53	5.19E-03	8.18E-07	2.85E-07	5.59E-03	8.81E-07	3.07E-07	8.72E-03	1.37E-06	4.79E-07
5827	489493.75, 3859348.8	5.44E-03	8.57E-07	2.99E-07	5.86E-03	9.23E-07	3.22E-07	9.12E-03	1.44E-06	5.00E-07
5828	489321.28, 3859240.02	6.18E-03	9.73E-07	3.39E-07	6.64E-03	1.05E-06	3.65E-07	1.03E-02	1.62E-06	5.64E-07
5829	489235.41, 3859193.96	6.57E-03	1.03E-06	3.60E-07	7.06E-03	1.11E-06	3.87E-07	1.09E-02	1.71E-06	5.97E-07
5830	489149.54, 3859147.89	7.00E-03	1.10E-06	3.84E-07	7.52E-03	1.18E-06	4.13E-07	1.15E-02	1.81E-06	6.32E-07
5831	489063.68, 3859101.82	7.55E-03	1.19E-06	4.14E-07	8.10E-03	1.28E-06	4.45E-07	1.23E-02	1.94E-06	6.75E-07
5832	488977.81, 3859055.75	8.26E-03	1.30E-06	4.53E-07	8.85E-03	1.39E-06	4.86E-07	1.33E-02	2.09E-06	7.29E-07
5833	488891.94, 3859009.69	9.20E-03	1.45E-06	5.05E-07	9.84E-03	1.55E-06	5.40E-07	1.45E-02	2.28E-06	7.96E-07
5834	488808, 3859060.73	8.13E-03	1.28E-06	4.46E-07	8.72E-03	1.37E-06	4.78E-07	1.31E-02	2.07E-06	7.20E-07
5835	488809.93, 3859157.85	6.98E-03	1.10E-06	3.83E-07	7.50E-03	1.18E-06	4.11E-07	1.15E-02	1.81E-06	6.30E-07
5836	488811.86, 3859254.96	6.20E-03	9.77E-07	3.40E-07	6.67E-03	1.05E-06	3.66E-07	1.03E-02	1.62E-06	5.66E-07
5837	488813.78, 3859352.07	5.61E-03	8.83E-07	3.08E-07	6.03E-03	9.50E-07	3.31E-07	9.37E-03	1.48E-06	5.14E-07
5838	488815.71, 3859449.19	5.13E-03	8.07E-07	2.81E-07	5.52E-03	8.69E-07	3.03E-07	8.60E-03	1.36E-06	4.72E-07
5839	488910.04, 3859547.11	4.71E-03	7.41E-07	2.58E-07	5.07E-03	7.99E-07	2.78E-07	7.92E-03	1.25E-06	4.35E-07
5840	489002.45, 3859547.91	4.70E-03	7.40E-07	2.58E-07	5.06E-03	7.97E-07	2.78E-07	7.91E-03	1.25E-06	4.34E-07
5841	489094.85, 3859548.72	4.68E-03	7.37E-07	2.57E-07	5.04E-03	7.93E-07	2.76E-07	7.88E-03	1.24E-06	4.32E-07
5842	489230.05, 3859601.87	4.45E-03	7.01E-07	2.44E-07	4.79E-03	7.55E-07	2.63E-07	7.51E-03	1.18E-06	4.12E-07
5843	489227.52, 3859680.89	4.21E-03	6.63E-07	2.31E-07	4.54E-03	7.14E-07	2.49E-07	7.11E-03	1.12E-06	3.90E-07
5844	489133.47, 3859760.29	4.00E-03	6.30E-07	2.19E-07	4.31E-03	6.79E-07	2.36E-07	6.76E-03	1.06E-06	3.71E-07
5845	489041.96, 3859760.67	4.00E-03	6.30E-07	2.19E-07	4.31E-03	6.79E-07	2.36E-07	6.76E-03	1.06E-06	3.71E-07
5846	488950.45, 3859761.05	3.99E-03	6.28E-07	2.19E-07	4.30E-03	6.77E-07	2.36E-07	6.74E-03	1.06E-06	3.70E-07
5847	488858.94, 3859761.43	3.97E-03	6.26E-07	2.18E-07	4.28E-03	6.74E-07	2.35E-07	6.71E-03	1.06E-06	3.68E-07
5848	488767.43, 3859761.82	3.94E-03	6.21E-07	2.16E-07	4.25E-03	6.69E-07	2.33E-07	6.65E-03	1.05E-06	3.65E-07
5849	488675.92, 3859762.2	3.92E-03	6.17E-07	2.15E-07	4.22E-03	6.65E-07	2.32E-07	6.60E-03	1.04E-06	3.62E-07
5850	488584.41, 3859762.58	3.88E-03	6.12E-07	2.13E-07	4.18E-03	6.59E-07	2.29E-07	6.53E-03	1.03E-06	3.59E-07
5851	488492.9, 3859762.96	3.85E-03	6.07E-07	2.11E-07	4.15E-03	6.54E-07	2.28E-07	6.48E-03	1.02E-06	3.56E-07
5852	488402.76, 3859830.95	3.64E-03	5.74E-07	2.00E-07	3.92E-03	6.18E-07	2.15E-07	6.13E-03	9.65E-07	3.36E-07
5853	488404.14, 3859898.55	3.46E-03	5.45E-07	1.90E-07	3.73E-03	5.87E-07	2.05E-07	5.82E-03	9.18E-07	3.20E-07
5854	488505.18, 3859964.96	3.33E-03	5.25E-07	1.83E-07	3.59E-03	5.65E-07	1.97E-07	5.61E-03	8.84E-07	3.08E-07
5855	488604.85, 3859963.76	3.35E-03	5.28E-07	1.84E-07	3.61E-03	5.69E-07	1.98E-07	5.66E-03	8.91E-07	3.11E-07
5856	488704.51, 3859962.56	3.38E-03	5.33E-07	1.86E-07	3.65E-03	5.74E-07	2.00E-07	5.71E-03	9.00E-07	3.14E-07
5857	488804.18, 3859961.37	3.42E-03	5.38E-07	1.88E-07	3.68E-03	5.80E-07	2.02E-07	5.77E-03	9.10E-07	3.17E-07
5858	488903.85, 3859960.17	3.45E-03	5.44E-07	1.89E-07	3.72E-03	5.86E-07	2.04E-07	5.83E-03	9.19E-07	3.20E-07
5859	489003.52, 3859958.97	3.47E-03	5.47E-07	1.91E-07	3.74E-03	5.90E-07	2.05E-07	5.88E-03	9.26E-07	3.23E-07
5860	489103.18, 3859957.77	3.49E-03	5.50E-07	1.92E-07	3.76E-03	5.93E-07	2.07E-07	5.91E-03	9.31E-07	3.24E-07
5861	489201.48, 3860046.59	3.31E-03	5.21E-07	1.82E-07	3.57E-03	5.62E-07	1.96E-07	5.61E-03	8.83E-07	3.08E-07
5862	489200.11, 3860136.61	3.12E-03	4.92E-07	1.71E-07	3.36E-03	5.30E-07	1.85E-07	5.29E-03	8.34E-07	2.90E-07
5863	489198.74, 3860226.63	2.95E-03	4.65E-07	1.62E-07	3.18E-03	5.01E-07	1.74E-07	5.00E-03	7.88E-07	2.74E-07
5864	489197.38, 3860316.66	2.79E-03	4.39E-07	1.53E-07	3.01E-03	4.73E-07	1.65E-07	4.73E-03	7.45E-07	2.59E-07
5865	489196.01, 3860406.68	2.64E-03	4.17E-07	1.45E-07	2.85E-03	4.49E-07	1.56E-07	4.48E-03	7.06E-07	2.46E-07
5866	489194.64, 3860496.7	2.50E-03	3.94E-07	1.37E-07	2.70E-03	4.25E-07	1.48E-07	4.24E-03	6.69E-07	2.33E-07
5867	489193.27, 3860586.72	2.38E-03	3.75E-07	1.31E-07	2.57E-03	4.05E-07	1.41E-07	4.04E-03	6.36E-07	2.22E-07
5868	489092.02, 3860678.13	2.25E-03	3.55E-07	1.24E-07	2.43E-03	3.83E-07	1.33E-07	3.82E-03	6.01E-07	2.10E-07
5869	488992.13, 3860679.53	2.24E-03	3.52E-07	1.23E-07	2.41E-03	3.80E-07	1.32E-07	3.79E-03	5.97E-07	2.08E-07
5870	488892.25, 3860680.92	2.23E-03	3.51E-07	1.22E-07	2.40E-03	3.78E-07	1.32E-07	3.77E-03	5.94E-07	2.07E-07
5871	488792.36, 3860682.31	2.21E-03	3.49E-07	1.22E-07	2.39E-03	3.76E-07	1.31E-07	3.75E-03	5.90E-07	2.06E-07
5872	488692.48, 3860683.7	2.21E-03	3.48E-07	1.21E-07	2.38E-03	3.75E-07	1.31E-07	3.73E-03	5.88E-07	2.05E-07
5873	488592.59, 3860685.1	2.19E-03	3.45E-07	1.20E-07	2.36E-03	3.72E-07	1.30E-07	3.71E-03	5.84E-07	2.03E-07
5874	488492.71, 3860686.49	2.19E-03	3.45E-07	1.20E-07	2.36E-03	3.72E-07	1.30E-07	3.70E-03	5.83E-07	2.03E-07
5875	488299.07, 3860762.18	2.13E-03	3.35E-07	1.17E-07	2.29E-03	3.61E-07	1.26E-07	3.59E-03	5.66E-07	1.97E-07
5876	488205.32, 3860764.09	2.11E-03	3.32E-07	1.16E-07	2.27E-03	3.58E-07	1.25E-07	3.56E-03	5.60E-07	1.95E-07
5877	488111.56, 3860766	2.08E-03	3.28E-07	1.14E-07	2.25E-03	3.54E-07	1.23E-07	3.51E-03	5.54E-07	1.93E-07
5878	488017.81, 3860767.91	2.06E-03	3.25E-07	1.13E-07	2.22E-03	3.50E-07	1.22E-07	3.47E-03	5.47E-07	1.91E-07
5879	487924.06, 3860769.81	2.05E-03	3.22E-07	1.12E-07	2.20E-03	3.47E-07	1.21E-07	3.44E-03	5.43E-07	1.89E-07
5880	487830.31, 3860771.72	2.03E-03	3.20E-07	1.12E-07	2.19E-03	3.45E-07	1.20E-07	3.42E-03	5.39E-07	1.88E-07
5881	487736.55, 3860773.63	2.03E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.41E-03	5.37E-07	1.87E-07
5882	487642.8, 3860775.54	2.03E-03	3.19E-07	1.11E-07	2.18E-03	3.44E-07	1.20E-07	3.41E-03	5.38E-07	1.87E-07
5883	487549.48, 3860684.71	2.12E-03	3.34E-07	1.17E-07	2.29E-03	3.60E-07	1.25E-07	3.57E-03	5.63E-07	1.96E-07
5884	487549.91, 3860591.97	2.21E-03	3.48E-07	1.21E-07	2.38E-03	3.75E-07	1.31E-07	3.72E-03	5.86E-07	2.04E-07

5885	487550.34, 3860499.23	2.31E-03	3.65E-07	1.27E-07	2.49E-03	3.93E-07	1.37E-07	3.89E-03	6.13E-07	2.14E-07
5886	487550.76, 3860406.49	2.43E-03	3.83E-07	1.33E-07	2.62E-03	4.13E-07	1.44E-07	4.09E-03	6.44E-07	2.24E-07
5887	487551.19, 3860313.75	2.55E-03	4.02E-07	1.40E-07	2.75E-03	4.33E-07	1.51E-07	4.29E-03	6.76E-07	2.35E-07
5888	487551.62, 3860221.01	2.69E-03	4.23E-07	1.47E-07	2.89E-03	4.56E-07	1.59E-07	4.52E-03	7.11E-07	2.48E-07
5889	487552.05, 3860128.27	2.85E-03	4.49E-07	1.56E-07	3.07E-03	4.84E-07	1.68E-07	4.79E-03	7.55E-07	2.63E-07
5890	487552.48, 3860035.53	3.02E-03	4.76E-07	1.66E-07	3.26E-03	5.13E-07	1.79E-07	5.08E-03	8.01E-07	2.79E-07
5891	487552.91, 3859942.79	3.19E-03	5.02E-07	1.75E-07	3.43E-03	5.41E-07	1.88E-07	5.36E-03	8.44E-07	2.94E-07
5892	487553.33, 3859850.05	3.40E-03	5.36E-07	1.87E-07	3.67E-03	5.78E-07	2.01E-07	5.72E-03	9.01E-07	3.14E-07
5893	487553.76, 3859757.31	3.62E-03	5.71E-07	1.99E-07	3.90E-03	6.15E-07	2.14E-07	6.08E-03	9.58E-07	3.34E-07
5894	487554.19, 3859664.57	3.87E-03	6.09E-07	2.12E-07	4.16E-03	6.56E-07	2.29E-07	6.49E-03	1.02E-06	3.56E-07
5895	487460.2, 3859571.05	4.12E-03	6.49E-07	2.26E-07	4.44E-03	6.99E-07	2.43E-07	6.91E-03	1.09E-06	3.79E-07
5896	487365.78, 3859570.27	4.11E-03	6.47E-07	2.26E-07	4.42E-03	6.97E-07	2.43E-07	6.90E-03	1.09E-06	3.78E-07
5897	487271.36, 3859569.48	4.09E-03	6.45E-07	2.25E-07	4.41E-03	6.94E-07	2.42E-07	6.87E-03	1.08E-06	3.77E-07
5898	487176.94, 3859568.7	4.07E-03	6.42E-07	2.24E-07	4.39E-03	6.91E-07	2.41E-07	6.84E-03	1.08E-06	3.75E-07
5899	487082.51, 3859567.92	4.06E-03	6.39E-07	2.23E-07	4.37E-03	6.88E-07	2.40E-07	6.81E-03	1.07E-06	3.74E-07
5900	486988.09, 3859567.14	4.03E-03	6.35E-07	2.21E-07	4.34E-03	6.84E-07	2.38E-07	6.78E-03	1.07E-06	3.72E-07
5901	486893.67, 3859566.36	4.01E-03	6.31E-07	2.20E-07	4.32E-03	6.80E-07	2.37E-07	6.74E-03	1.06E-06	3.70E-07
5902	486799.25, 3859565.58	3.98E-03	6.27E-07	2.18E-07	4.28E-03	6.75E-07	2.35E-07	6.69E-03	1.05E-06	3.67E-07
5903	486704.83, 3859564.79	3.95E-03	6.22E-07	2.17E-07	4.25E-03	6.70E-07	2.33E-07	6.64E-03	1.05E-06	3.65E-07
5904	486610.41, 3859564.01	3.92E-03	6.18E-07	2.15E-07	4.22E-03	6.65E-07	2.32E-07	6.60E-03	1.04E-06	3.62E-07
5905	486515.99, 3859563.23	3.88E-03	6.11E-07	2.13E-07	4.18E-03	6.58E-07	2.29E-07	6.53E-03	1.03E-06	3.58E-07
5906	486421.57, 3859562.45	3.85E-03	6.06E-07	2.11E-07	4.14E-03	6.53E-07	2.27E-07	6.47E-03	1.02E-06	3.55E-07
5907	486327.14, 3859561.67	3.82E-03	6.02E-07	2.10E-07	4.11E-03	6.48E-07	2.26E-07	6.43E-03	1.01E-06	3.53E-07
5908	486232.72, 3859560.89	3.78E-03	5.95E-07	2.07E-07	4.07E-03	6.41E-07	2.23E-07	6.36E-03	1.00E-06	3.49E-07
5909	486138.3, 3859560.1	3.75E-03	5.90E-07	2.06E-07	4.03E-03	6.35E-07	2.21E-07	6.31E-03	9.94E-07	3.46E-07
5910	486043.88, 3859559.32	3.71E-03	5.84E-07	2.04E-07	3.99E-03	6.29E-07	2.19E-07	6.25E-03	9.84E-07	3.43E-07
5911	485949.35, 3859463.54	3.89E-03	6.13E-07	2.13E-07	4.19E-03	6.60E-07	2.30E-07	6.56E-03	1.03E-06	3.60E-07
5912	485949.24, 3859368.55	4.13E-03	6.51E-07	2.27E-07	4.45E-03	7.01E-07	2.44E-07	6.97E-03	1.10E-06	3.82E-07
5913	485949.12, 3859273.55	4.40E-03	6.93E-07	2.42E-07	4.74E-03	7.47E-07	2.60E-07	7.42E-03	1.17E-06	4.07E-07
5914	485949.01, 3859178.56	4.69E-03	7.39E-07	2.57E-07	5.05E-03	7.96E-07	2.77E-07	7.91E-03	1.25E-06	4.34E-07
5915	485948.9, 3859083.56	5.02E-03	7.91E-07	2.76E-07	5.41E-03	8.52E-07	2.97E-07	8.47E-03	1.33E-06	4.65E-07
5916	485948.79, 3858988.56	5.36E-03	8.45E-07	2.94E-07	5.78E-03	9.10E-07	3.17E-07	9.04E-03	1.42E-06	4.96E-07
5917	485948.67, 3858893.57	5.73E-03	9.02E-07	3.14E-07	6.17E-03	9.72E-07	3.39E-07	9.66E-03	1.52E-06	5.30E-07
5918	485948.56, 3858798.57	6.17E-03	9.71E-07	3.38E-07	6.64E-03	1.05E-06	3.65E-07	1.04E-02	1.64E-06	5.71E-07
5919	485948.45, 3858703.58	6.59E-03	1.04E-06	3.61E-07	7.09E-03	1.12E-06	3.89E-07	1.11E-02	1.75E-06	6.09E-07
5920	485948.34, 3858608.58	7.10E-03	1.12E-06	3.90E-07	7.65E-03	1.21E-06	4.20E-07	1.20E-02	1.89E-06	6.57E-07
5921	485948.22, 3858513.59	7.68E-03	1.21E-06	4.21E-07	8.27E-03	1.30E-06	4.54E-07	1.29E-02	2.04E-06	7.10E-07
5922	485948.11, 3858418.59	8.30E-03	1.31E-06	4.56E-07	8.94E-03	1.41E-06	4.91E-07	1.40E-02	2.20E-06	7.67E-07
5923	485948, 3858323.59	9.06E-03	1.43E-06	4.97E-07	9.75E-03	1.54E-06	5.35E-07	1.52E-02	2.40E-06	8.36E-07
5924	485947.89, 3858228.6	9.85E-03	1.55E-06	5.41E-07	1.06E-02	1.67E-06	5.82E-07	1.66E-02	2.61E-06	9.10E-07
5925	485947.77, 3858133.6	1.08E-02	1.69E-06	5.90E-07	1.16E-02	1.82E-06	6.36E-07	1.81E-02	2.85E-06	9.93E-07
5926	485947.66, 3858038.61	1.20E-02	1.89E-06	6.58E-07	1.29E-02	2.03E-06	7.09E-07	2.02E-02	3.18E-06	1.11E-06
5927	485854.54, 3857943.35	1.24E-02	1.96E-06	6.82E-07	1.34E-02	2.11E-06	7.35E-07	2.09E-02	3.29E-06	1.15E-06
5928	485761.52, 3857943.09	1.18E-02	1.85E-06	6.45E-07	1.27E-02	1.99E-06	6.95E-07	1.98E-02	3.11E-06	1.08E-06
5929	485668.51, 3857942.83	1.12E-02	1.77E-06	6.15E-07	1.21E-02	1.90E-06	6.63E-07	1.88E-02	2.97E-06	1.03E-06
5930	485575.5, 3857942.56	1.06E-02	1.68E-06	5.84E-07	1.15E-02	1.81E-06	6.29E-07	1.79E-02	2.82E-06	9.82E-07
5931	485482.48, 3857942.3	1.02E-02	1.60E-06	5.59E-07	1.10E-02	1.73E-06	6.02E-07	1.71E-02	2.70E-06	9.40E-07
5932	485389.47, 3857942.04	9.75E-03	1.54E-06	5.35E-07	1.05E-02	1.65E-06	5.76E-07	1.64E-02	2.58E-06	9.00E-07
5933	485296.46, 3857941.78	9.35E-03	1.47E-06	5.13E-07	1.01E-02	1.59E-06	5.52E-07	1.57E-02	2.48E-06	8.63E-07
5934	485203.45, 3857941.52	9.02E-03	1.42E-06	4.95E-07	9.72E-03	1.53E-06	5.33E-07	1.52E-02	2.39E-06	8.34E-07
5935	485110.43, 3857941.26	8.66E-03	1.36E-06	4.75E-07	9.33E-03	1.47E-06	5.12E-07	1.46E-02	2.30E-06	8.01E-07
5936	485017.42, 3857940.99	8.31E-03	1.31E-06	4.56E-07	8.95E-03	1.41E-06	4.91E-07	1.40E-02	2.20E-06	7.68E-07
5937	484924.41, 3857940.73	7.98E-03	1.26E-06	4.38E-07	8.59E-03	1.35E-06	4.72E-07	1.34E-02	2.12E-06	7.38E-07
5938	484831.39, 3857940.47	7.70E-03	1.21E-06	4.22E-07	8.29E-03	1.31E-06	4.55E-07	1.30E-02	2.04E-06	7.12E-07
5939	484738.12, 3857859.3	7.79E-03	1.23E-06	4.28E-07	8.39E-03	1.32E-06	4.61E-07	1.31E-02	2.07E-06	7.21E-07
5940	484737.85, 3857778.4	8.22E-03	1.29E-06	4.51E-07	8.85E-03	1.39E-06	4.86E-07	1.38E-02	2.18E-06	7.60E-07
5941	484737.59, 3857697.49	8.66E-03	1.36E-06	4.75E-07	9.33E-03	1.47E-06	5.12E-07	1.46E-02	2.30E-06	8.01E-07
5942	484737.32, 3857616.59	9.11E-03	1.44E-06	5.00E-07	9.82E-03	1.55E-06	5.39E-07	1.53E-02	2.42E-06	8.42E-07
5943	484645.53, 3857535.18	9.23E-03	1.45E-06	5.07E-07	9.94E-03	1.57E-06	5.46E-07	1.55E-02	2.45E-06	8.53E-07
5944	484553.99, 3857534.67	8.84E-03	1.39E-06	4.85E-07	9.52E-03	1.50E-06	5.23E-07	1.49E-02	2.35E-06	8.17E-07
5945	484462.46, 3857534.17	8.51E-03	1.34E-06	4.67E-07	9.17E-03	1.44E-06	5.03E-07	1.43E-02	2.26E-06	7.88E-07
5946	484370.93, 3857533.66	8.19E-03	1.29E-06	4.50E-07	8.83E-03	1.39E-06	4.84E-07	1.38E-02	2.18E-06	7.58E-07
5947	484279.4, 3857533.16	7.90E-03	1.24E-06	4.34E-07	8.51E-03	1.34E-06	4.67E-07	1.33E-02	2.10E-06	7.32E-07
5948	484187.86, 3857532.65	7.62E-03	1.20E-06	4.18E-07	8.20E-03	1.29E-06	4.50E-07	1.29E-02	2.02E-06	7.05E-07

5949	484096.33, 3857532.15	7.36E-03	1.16E-06	4.04E-07	7.93E-03	1.25E-06	4.35E-07	1.24E-02	1.96E-06	6.82E-07
5950	484004.8, 3857531.64	7.10E-03	1.12E-06	3.90E-07	7.65E-03	1.21E-06	4.20E-07	1.20E-02	1.89E-06	6.58E-07
5951	483913.27, 3857531.14	6.82E-03	1.08E-06	3.75E-07	7.35E-03	1.16E-06	4.04E-07	1.15E-02	1.82E-06	6.33E-07
5952	483821.73, 3857530.63	6.59E-03	1.04E-06	3.62E-07	7.10E-03	1.12E-06	3.90E-07	1.11E-02	1.75E-06	6.11E-07
5953	483729.61, 3857450.11	6.62E-03	1.04E-06	3.63E-07	7.13E-03	1.12E-06	3.91E-07	1.12E-02	1.76E-06	6.14E-07
5954	483729.03, 3857370.08	6.92E-03	1.09E-06	3.80E-07	7.45E-03	1.17E-06	4.09E-07	1.17E-02	1.84E-06	6.42E-07
5955	483728.44, 3857290.06	7.20E-03	1.13E-06	3.95E-07	7.76E-03	1.22E-06	4.26E-07	1.22E-02	1.92E-06	6.68E-07
5956	483727.86, 3857210.03	7.49E-03	1.18E-06	4.11E-07	8.07E-03	1.27E-06	4.43E-07	1.27E-02	1.99E-06	6.95E-07
5957	483641.15, 3857129.07	7.53E-03	1.19E-06	4.14E-07	8.12E-03	1.28E-06	4.46E-07	1.27E-02	2.01E-06	6.99E-07
5958	483555.03, 3857128.14	7.27E-03	1.14E-06	3.99E-07	7.83E-03	1.23E-06	4.30E-07	1.23E-02	1.94E-06	6.75E-07
5959	483468.91, 3857127.2	6.97E-03	1.10E-06	3.83E-07	7.51E-03	1.18E-06	4.12E-07	1.18E-02	1.86E-06	6.47E-07
5960	483382.78, 3857126.26	6.76E-03	1.06E-06	3.71E-07	7.29E-03	1.15E-06	4.00E-07	1.14E-02	1.80E-06	6.28E-07
5961	483296.66, 3857125.32	6.53E-03	1.03E-06	3.58E-07	7.04E-03	1.11E-06	3.86E-07	1.11E-02	1.74E-06	6.07E-07
5962	483210.54, 3857124.39	6.30E-03	9.92E-07	3.46E-07	6.79E-03	1.07E-06	3.73E-07	1.07E-02	1.68E-06	5.86E-07
5963	483123.4, 3857030.96	6.33E-03	9.98E-07	3.48E-07	6.83E-03	1.08E-06	3.75E-07	1.07E-02	1.69E-06	5.89E-07
5964	483122.38, 3856938.46	6.61E-03	1.04E-06	3.63E-07	7.13E-03	1.12E-06	3.91E-07	1.12E-02	1.77E-06	6.15E-07
5965	483121.35, 3856845.97	6.90E-03	1.09E-06	3.79E-07	7.44E-03	1.17E-06	4.08E-07	1.17E-02	1.84E-06	6.42E-07
5966	483120.33, 3856753.47	7.15E-03	1.13E-06	3.93E-07	7.71E-03	1.21E-06	4.23E-07	1.21E-02	1.91E-06	6.66E-07
5967	483119.31, 3856660.98	7.41E-03	1.17E-06	4.07E-07	7.99E-03	1.26E-06	4.39E-07	1.26E-02	1.98E-06	6.90E-07
5968	483118.29, 3856568.49	7.71E-03	1.22E-06	4.23E-07	8.32E-03	1.31E-06	4.56E-07	1.31E-02	2.06E-06	7.18E-07
5969	483117.26, 3856475.99	8.05E-03	1.27E-06	4.42E-07	8.68E-03	1.37E-06	4.76E-07	1.37E-02	2.15E-06	7.49E-07
5970	483116.24, 3856383.5	8.38E-03	1.32E-06	4.60E-07	9.03E-03	1.42E-06	4.96E-07	1.42E-02	2.24E-06	7.80E-07
5971	483115.22, 3856291.01	8.74E-03	1.38E-06	4.80E-07	9.42E-03	1.48E-06	5.17E-07	1.48E-02	2.34E-06	8.14E-07
5972	483114.2, 3856198.51	9.08E-03	1.43E-06	4.99E-07	9.79E-03	1.54E-06	5.37E-07	1.54E-02	2.43E-06	8.46E-07
5973	483113.17, 3856106.02	9.55E-03	1.50E-06	5.24E-07	1.03E-02	1.62E-06	5.65E-07	1.62E-02	2.56E-06	8.90E-07
5974	483112.15, 3856013.52	9.99E-03	1.57E-06	5.48E-07	1.08E-02	1.70E-06	5.91E-07	1.70E-02	2.67E-06	9.31E-07
5975	483029.25, 3855920.47	1.00E-02	1.57E-06	5.49E-07	1.08E-02	1.70E-06	5.92E-07	1.70E-02	2.68E-06	9.33E-07
5976	482947.37, 3855919.91	9.50E-03	1.50E-06	5.21E-07	1.02E-02	1.61E-06	5.62E-07	1.62E-02	2.55E-06	8.87E-07
5977	482865.49, 3855919.36	9.01E-03	1.42E-06	4.95E-07	9.72E-03	1.53E-06	5.33E-07	1.54E-02	2.42E-06	8.43E-07
5978	482783.61, 3855918.8	8.60E-03	1.36E-06	4.72E-07	9.28E-03	1.46E-06	5.09E-07	1.47E-02	2.31E-06	8.05E-07
5979	482700.33, 3855818.39	8.53E-03	1.34E-06	4.68E-07	9.20E-03	1.45E-06	5.05E-07	1.46E-02	2.29E-06	7.99E-07
5980	482698.92, 3855718.54	8.94E-03	1.41E-06	4.90E-07	9.64E-03	1.52E-06	5.29E-07	1.53E-02	2.40E-06	8.38E-07
5981	482697.52, 3855618.68	9.32E-03	1.47E-06	5.12E-07	1.01E-02	1.58E-06	5.52E-07	1.59E-02	2.51E-06	8.75E-07
5982	482696.11, 3855518.83	9.82E-03	1.55E-06	5.39E-07	1.06E-02	1.67E-06	5.82E-07	1.68E-02	2.65E-06	9.23E-07
5983	482694.71, 3855418.98	1.03E-02	1.62E-06	5.64E-07	1.11E-02	1.75E-06	6.09E-07	1.76E-02	2.77E-06	9.67E-07
5984	482693.3, 3855319.13	1.08E-02	1.70E-06	5.91E-07	1.16E-02	1.83E-06	6.38E-07	1.85E-02	2.91E-06	1.02E-06
5985	482691.9, 3855219.27	1.14E-02	1.79E-06	6.25E-07	1.23E-02	1.94E-06	6.75E-07	1.96E-02	3.09E-06	1.08E-06
5986	482690.49, 3855119.42	1.20E-02	1.89E-06	6.57E-07	1.29E-02	2.04E-06	7.10E-07	2.07E-02	3.26E-06	1.13E-06
5987	482689.09, 3855019.57	1.29E-02	2.03E-06	7.06E-07	1.39E-02	2.19E-06	7.62E-07	2.23E-02	3.51E-06	1.22E-06
5988	482687.68, 3854919.72	1.36E-02	2.15E-06	7.48E-07	1.47E-02	2.32E-06	8.08E-07	2.37E-02	3.73E-06	1.30E-06
5989	482686.28, 3854819.86	1.46E-02	2.30E-06	8.01E-07	1.58E-02	2.49E-06	8.67E-07	2.55E-02	4.01E-06	1.40E-06
5990	482684.88, 3854720.01	1.54E-02	2.42E-06	8.43E-07	1.66E-02	2.62E-06	9.12E-07	2.69E-02	4.24E-06	1.48E-06
5991	482683.47, 3854620.16	1.63E-02	2.57E-06	8.95E-07	1.77E-02	2.78E-06	9.69E-07	2.87E-02	4.52E-06	1.57E-06
5992	482682.07, 3854520.31	1.67E-02	2.63E-06	9.15E-07	1.81E-02	2.85E-06	9.92E-07	2.95E-02	4.64E-06	1.62E-06
5993	482680.66, 3854420.45	1.65E-02	2.59E-06	9.04E-07	1.79E-02	2.81E-06	9.80E-07	2.92E-02	4.60E-06	1.60E-06
5994	482679.26, 3854320.6	1.58E-02	2.48E-06	8.66E-07	1.71E-02	2.70E-06	9.39E-07	2.81E-02	4.43E-06	1.54E-06
5995	482677.85, 3854220.75	1.53E-02	2.41E-06	8.39E-07	1.66E-02	2.61E-06	9.10E-07	2.72E-02	4.29E-06	1.49E-06
5996	482676.45, 3854120.9	1.38E-02	2.17E-06	7.56E-07	1.49E-02	2.35E-06	8.19E-07	2.44E-02	3.85E-06	1.34E-06
5997	482675.04, 3854021.04	1.23E-02	1.94E-06	6.76E-07	1.33E-02	2.10E-06	7.32E-07	2.17E-02	3.41E-06	1.19E-06
5998	482673.64, 3853921.19	1.07E-02	1.69E-06	5.89E-07	1.16E-02	1.83E-06	6.37E-07	1.86E-02	2.93E-06	1.02E-06
5999	482672.23, 3853821.34	9.36E-03	1.47E-06	5.13E-07	1.01E-02	1.59E-06	5.53E-07	1.58E-02	2.49E-06	8.69E-07
6000	482670.83, 3853721.49	7.86E-03	1.24E-06	4.31E-07	8.43E-03	1.33E-06	4.63E-07	1.28E-02	2.02E-06	7.04E-07
6001	482669.42, 3853621.63	6.48E-03	1.02E-06	3.55E-07	6.92E-03	1.09E-06	3.80E-07	1.02E-02	1.60E-06	5.59E-07
6002	482645.99, 3853446.13	4.47E-03	7.04E-07	2.45E-07	4.78E-03	7.53E-07	2.62E-07	7.10E-03	1.12E-06	3.89E-07
6003	482623.97, 3853370.49	3.80E-03	5.99E-07	2.09E-07	4.08E-03	6.42E-07	2.24E-07	6.17E-03	9.72E-07	3.39E-07
6004	482601.94, 3853294.84	3.36E-03	5.30E-07	1.85E-07	3.61E-03	5.69E-07	1.98E-07	5.53E-03	8.72E-07	3.04E-07
6005	482531.29, 3853133.44	2.78E-03	4.38E-07	1.53E-07	2.99E-03	4.71E-07	1.64E-07	4.63E-03	7.30E-07	2.54E-07
6006	482482.68, 3853047.69	2.57E-03	4.05E-07	1.41E-07	2.77E-03	4.36E-07	1.52E-07	4.30E-03	6.77E-07	2.36E-07
6007	482383.09, 3852897.4	2.28E-03	3.59E-07	1.25E-07	2.45E-03	3.86E-07	1.35E-07	3.82E-03	6.02E-07	2.10E-07
6008	482265.64, 3852765.26	2.09E-03	3.29E-07	1.15E-07	2.25E-03	3.54E-07	1.23E-07	3.51E-03	5.53E-07	1.93E-07
6009	482199.16, 3852697.66	2.01E-03	3.16E-07	1.10E-07	2.16E-03	3.41E-07	1.19E-07	3.38E-03	5.32E-07	1.85E-07
6010	482132.69, 3852630.07	1.93E-03	3.04E-07	1.06E-07	2.08E-03	3.28E-07	1.14E-07	3.25E-03	5.12E-07	1.79E-07
6011	482066.21, 3852562.48	1.86E-03	2.93E-07	1.02E-07	2.01E-03	3.16E-07	1.10E-07	3.14E-03	4.94E-07	1.72E-07
6012	481999.74, 3852494.89	1.80E-03	2.83E-07	9.85E-08	1.93E-03	3.05E-07	1.06E-07	3.02E-03	4.76E-07	1.66E-07

6013	481933.26, 3852427.29	1.73E-03	2.73E-07	9.51E-08	1.87E-03	2.94E-07	1.02E-07	2.92E-03	4.60E-07	1.60E-07
6014	481866.79, 3852359.7	1.67E-03	2.63E-07	9.18E-08	1.80E-03	2.84E-07	9.89E-08	2.82E-03	4.44E-07	1.55E-07
6015	481800.31, 3852292.11	1.62E-03	2.54E-07	8.86E-08	1.74E-03	2.74E-07	9.55E-08	2.72E-03	4.29E-07	1.50E-07
6016	481733.84, 3852224.52	1.56E-03	2.46E-07	8.57E-08	1.68E-03	2.65E-07	9.23E-08	2.63E-03	4.15E-07	1.45E-07
6017	481667.36, 3852156.92	1.51E-03	2.38E-07	8.28E-08	1.63E-03	2.56E-07	8.92E-08	2.55E-03	4.01E-07	1.40E-07
6018	481600.89, 3852089.33	1.46E-03	2.30E-07	8.03E-08	1.58E-03	2.48E-07	8.65E-08	2.47E-03	3.89E-07	1.36E-07
6019	481534.41, 3852021.74	1.42E-03	2.24E-07	7.79E-08	1.53E-03	2.41E-07	8.40E-08	2.40E-03	3.78E-07	1.32E-07
6020	481467.94, 3851954.15	1.38E-03	2.17E-07	7.56E-08	1.49E-03	2.34E-07	8.15E-08	2.33E-03	3.67E-07	1.28E-07
6021	481401.46, 3851886.55	1.34E-03	2.11E-07	7.34E-08	1.44E-03	2.27E-07	7.91E-08	2.26E-03	3.56E-07	1.24E-07
6022	481265.87, 3851761.43	1.27E-03	2.00E-07	6.98E-08	1.37E-03	2.16E-07	7.52E-08	2.15E-03	3.38E-07	1.18E-07
6023	481196.74, 3851703.89	1.24E-03	1.96E-07	6.83E-08	1.34E-03	2.11E-07	7.36E-08	2.10E-03	3.31E-07	1.15E-07
6024	481076.33, 3851619.05	1.21E-03	1.90E-07	6.63E-08	1.30E-03	2.05E-07	7.15E-08	2.04E-03	3.22E-07	1.12E-07
6025	480939.8, 3851549.07	1.18E-03	1.86E-07	6.49E-08	1.27E-03	2.01E-07	6.99E-08	2.00E-03	3.15E-07	1.10E-07
6026	480854.56, 3851506.41	1.17E-03	1.84E-07	6.41E-08	1.26E-03	1.98E-07	6.91E-08	1.98E-03	3.11E-07	1.09E-07
6027	480769.32, 3851463.75	1.15E-03	1.82E-07	6.34E-08	1.24E-03	1.96E-07	6.83E-08	1.96E-03	3.08E-07	1.07E-07
6028	480684.08, 3851421.08	1.14E-03	1.80E-07	6.25E-08	1.23E-03	1.94E-07	6.74E-08	1.93E-03	3.05E-07	1.06E-07
6029	480598.84, 3851378.42	1.13E-03	1.77E-07	6.18E-08	1.21E-03	1.91E-07	6.66E-08	1.91E-03	3.01E-07	1.05E-07
6030	480435.71, 3851275.01	1.09E-03	1.71E-07	5.96E-08	1.17E-03	1.84E-07	6.42E-08	1.85E-03	2.91E-07	1.01E-07
6031	480347.85, 3851232.36	1.07E-03	1.68E-07	5.86E-08	1.15E-03	1.81E-07	6.32E-08	1.82E-03	2.87E-07	9.98E-08
6032	480260, 3851189.72	1.05E-03	1.65E-07	5.76E-08	1.13E-03	1.78E-07	6.22E-08	1.79E-03	2.82E-07	9.82E-08
6033	480172.15, 3851147.07	1.03E-03	1.62E-07	5.65E-08	1.11E-03	1.75E-07	6.10E-08	1.76E-03	2.77E-07	9.64E-08
6034	480084.29, 3851104.42	1.01E-03	1.59E-07	5.54E-08	1.09E-03	1.71E-07	5.97E-08	1.72E-03	2.71E-07	9.44E-08
6035	479996.44, 3851061.77	9.85E-04	1.55E-07	5.41E-08	1.06E-03	1.67E-07	5.83E-08	1.68E-03	2.65E-07	9.22E-08
6036	479908.58, 3851019.13	9.55E-04	1.51E-07	5.24E-08	1.03E-03	1.62E-07	5.66E-08	1.63E-03	2.57E-07	8.95E-08
6037	479820.73, 3850976.48	9.29E-04	1.46E-07	5.10E-08	1.00E-03	1.58E-07	5.50E-08	1.58E-03	2.50E-07	8.70E-08
6038	479732.88, 3850933.83	9.00E-04	1.42E-07	4.94E-08	9.71E-04	1.53E-07	5.33E-08	1.54E-03	2.42E-07	8.43E-08
6039	479645.02, 3850891.18	8.73E-04	1.37E-07	4.79E-08	9.41E-04	1.48E-07	5.17E-08	1.49E-03	2.34E-07	8.17E-08
6040	479557.17, 3850848.54	8.45E-04	1.33E-07	4.64E-08	9.12E-04	1.44E-07	5.00E-08	1.44E-03	2.27E-07	7.91E-08
6041	479469.32, 3850805.89	8.14E-04	1.28E-07	4.47E-08	8.78E-04	1.38E-07	4.82E-08	1.39E-03	2.18E-07	7.61E-08
6042	479381.46, 3850763.24	7.88E-04	1.24E-07	4.32E-08	8.50E-04	1.34E-07	4.66E-08	1.34E-03	2.11E-07	7.36E-08
6043	479293.61, 3850720.59	7.65E-04	1.20E-07	4.20E-08	8.25E-04	1.30E-07	4.53E-08	1.30E-03	2.05E-07	7.13E-08
6044	479205.76, 3850677.95	7.40E-04	1.17E-07	4.06E-08	7.98E-04	1.26E-07	4.38E-08	1.26E-03	1.98E-07	6.90E-08
6045	479117.9, 3850635.3	7.17E-04	1.13E-07	3.94E-08	7.73E-04	1.22E-07	4.24E-08	1.22E-03	1.92E-07	6.67E-08
6046	479030.05, 3850592.65	6.94E-04	1.09E-07	3.81E-08	7.48E-04	1.18E-07	4.11E-08	1.17E-03	1.85E-07	6.45E-08
6047	478942.19, 3850550	6.65E-04	1.05E-07	3.65E-08	7.17E-04	1.13E-07	3.94E-08	1.13E-03	1.77E-07	6.18E-08
6048	478854.34, 3850507.36	6.26E-04	9.87E-08	3.44E-08	6.75E-04	1.06E-07	3.71E-08	1.06E-03	1.67E-07	5.82E-08
6049	478766.49, 3850464.71	5.98E-04	9.42E-08	3.28E-08	6.44E-04	1.01E-07	3.54E-08	1.01E-03	1.59E-07	5.56E-08
6050	478678.63, 3850422.06	5.73E-04	9.02E-08	3.14E-08	6.17E-04	9.73E-08	3.39E-08	9.70E-04	1.53E-07	5.32E-08
6051	478590.78, 3850379.41	5.49E-04	8.64E-08	3.01E-08	5.91E-04	9.32E-08	3.25E-08	9.29E-04	1.46E-07	5.10E-08
6052	478502.93, 3850336.77	5.29E-04	8.33E-08	2.90E-08	5.70E-04	8.98E-08	3.13E-08	8.96E-04	1.41E-07	4.91E-08
6053	478415.07, 3850294.12	5.12E-04	8.06E-08	2.81E-08	5.52E-04	8.69E-08	3.03E-08	8.67E-04	1.37E-07	4.76E-08
6054	478327.22, 3850251.47	4.93E-04	7.77E-08	2.71E-08	5.31E-04	8.37E-08	2.92E-08	8.35E-04	1.32E-07	4.58E-08
6055	478239.36, 3850208.82	4.77E-04	7.51E-08	2.62E-08	5.14E-04	8.10E-08	2.82E-08	8.08E-04	1.27E-07	4.43E-08
6056	478151.51, 3850166.18	4.64E-04	7.30E-08	2.54E-08	5.00E-04	7.87E-08	2.74E-08	7.85E-04	1.24E-07	4.31E-08
6057	478063.66, 3850123.53	4.51E-04	7.11E-08	2.48E-08	4.86E-04	7.66E-08	2.67E-08	7.64E-04	1.20E-07	4.19E-08
6058	477975.8, 3850080.88	4.54E-04	7.15E-08	2.49E-08	4.89E-04	7.71E-08	2.68E-08	7.67E-04	1.21E-07	4.21E-08
6059	477887.95, 3850038.23	4.48E-04	7.06E-08	2.46E-08	4.83E-04	7.60E-08	2.65E-08	7.57E-04	1.19E-07	4.15E-08
6060	477800.1, 3849995.59	4.44E-04	7.00E-08	2.44E-08	4.79E-04	7.54E-08	2.63E-08	7.50E-04	1.18E-07	4.12E-08
6061	477712.24, 3849952.94	4.37E-04	6.89E-08	2.40E-08	4.71E-04	7.42E-08	2.59E-08	7.38E-04	1.16E-07	4.05E-08
6062	477624.39, 3849910.29	4.31E-04	6.80E-08	2.37E-08	4.65E-04	7.32E-08	2.55E-08	7.28E-04	1.15E-07	4.00E-08
6063	477536.54, 3849867.64	4.27E-04	6.72E-08	2.34E-08	4.60E-04	7.24E-08	2.52E-08	7.20E-04	1.13E-07	3.95E-08
6064	477448.68, 3849825	4.21E-04	6.63E-08	2.31E-08	4.53E-04	7.14E-08	2.49E-08	7.10E-04	1.12E-07	3.90E-08
6065	477360.83, 3849782.35	4.16E-04	6.55E-08	2.28E-08	4.48E-04	7.05E-08	2.46E-08	7.01E-04	1.10E-07	3.85E-08
6066	477272.97, 3849739.7	4.10E-04	6.47E-08	2.25E-08	4.42E-04	6.97E-08	2.43E-08	6.93E-04	1.09E-07	3.80E-08
6067	477185.12, 3849697.05	4.07E-04	6.41E-08	2.23E-08	4.38E-04	6.90E-08	2.40E-08	6.86E-04	1.08E-07	3.77E-08
6068	477097.27, 3849654.41	4.02E-04	6.33E-08	2.20E-08	4.33E-04	6.82E-08	2.38E-08	6.79E-04	1.07E-07	3.72E-08
6069	477009.41, 3849611.76	3.94E-04	6.21E-08	2.16E-08	4.24E-04	6.69E-08	2.33E-08	6.66E-04	1.05E-07	3.66E-08
6070	476841.49, 3849530.08	3.86E-04	6.08E-08	2.12E-08	4.16E-04	6.55E-08	2.28E-08	6.53E-04	1.03E-07	3.58E-08
6071	476761.41, 3849491.05	3.83E-04	6.04E-08	2.10E-08	4.13E-04	6.51E-08	2.27E-08	6.49E-04	1.02E-07	3.56E-08
6072	476681.34, 3849452.02	3.79E-04	5.98E-08	2.08E-08	4.09E-04	6.44E-08	2.24E-08	6.43E-04	1.01E-07	3.53E-08
6073	476601.26, 3849412.99	3.75E-04	5.90E-08	2.06E-08	4.04E-04	6.36E-08	2.22E-08	6.35E-04	1.00E-07	3.48E-08
6074	476456.32, 3849353.67	3.65E-04	5.76E-08	2.01E-08	3.94E-04	6.21E-08	2.16E-08	6.20E-04	9.77E-08	3.40E-08
6075	476305.43, 3849318.84	3.69E-04	5.81E-08	2.02E-08	3.98E-04	6.26E-08	2.18E-08	6.25E-04	9.85E-08	3.43E-08
6076	476129.36, 3849289.99	3.70E-04	5.83E-08	2.03E-08	3.99E-04	6.29E-08	2.19E-08	6.28E-04	9.89E-08	3.45E-08

6077	476039.31, 3849275.68	3.71E-04	5.85E-08	2.04E-08	4.00E-04	6.30E-08	2.20E-08	6.30E-04	9.92E-08	3.46E-08
6078	475949.26, 3849261.38	3.67E-04	5.78E-08	2.01E-08	3.96E-04	6.24E-08	2.17E-08	6.23E-04	9.82E-08	3.42E-08
6079	475859.21, 3849247.08	3.67E-04	5.77E-08	2.01E-08	3.95E-04	6.23E-08	2.17E-08	6.22E-04	9.80E-08	3.42E-08
6080	475769.16, 3849232.77	3.65E-04	5.75E-08	2.00E-08	3.93E-04	6.20E-08	2.16E-08	6.20E-04	9.76E-08	3.40E-08
6081	475585.23, 3849219.27	3.21E-04	5.05E-08	1.76E-08	3.46E-04	5.45E-08	1.90E-08	5.46E-04	8.60E-08	3.00E-08
6082	475444.5, 3849150.35	3.43E-04	5.41E-08	1.88E-08	3.70E-04	5.83E-08	2.03E-08	5.84E-04	9.20E-08	3.21E-08
6083	475334.18, 3849118.71	3.47E-04	5.46E-08	1.90E-08	3.74E-04	5.89E-08	2.05E-08	5.90E-04	9.29E-08	3.24E-08
6084	475230.47, 3849060.57	3.43E-04	5.40E-08	1.88E-08	3.69E-04	5.82E-08	2.03E-08	5.83E-04	9.18E-08	3.20E-08
6085	475110.86, 3848960.97	3.34E-04	5.25E-08	1.83E-08	3.60E-04	5.67E-08	1.97E-08	5.67E-04	8.94E-08	3.11E-08
6086	475037.79, 3848896.28	3.25E-04	5.13E-08	1.79E-08	3.51E-04	5.53E-08	1.93E-08	5.54E-04	8.72E-08	3.04E-08
6087	474964.72, 3848831.59	3.18E-04	5.01E-08	1.74E-08	3.43E-04	5.40E-08	1.88E-08	5.41E-04	8.52E-08	2.97E-08
6088	474891.65, 3848766.9	3.13E-04	4.93E-08	1.72E-08	3.37E-04	5.31E-08	1.85E-08	5.32E-04	8.38E-08	2.92E-08
6089	474818.58, 3848702.22	3.09E-04	4.87E-08	1.70E-08	3.33E-04	5.25E-08	1.83E-08	5.26E-04	8.28E-08	2.89E-08
6090	474745.51, 3848637.53	3.11E-04	4.90E-08	1.71E-08	3.36E-04	5.29E-08	1.84E-08	5.29E-04	8.34E-08	2.90E-08
6091	474672.44, 3848572.84	3.09E-04	4.87E-08	1.70E-08	3.33E-04	5.25E-08	1.83E-08	5.26E-04	8.28E-08	2.88E-08
6092	474599.37, 3848508.15	3.03E-04	4.77E-08	1.66E-08	3.26E-04	5.14E-08	1.79E-08	5.15E-04	8.11E-08	2.82E-08
6093	474526.3, 3848443.46	2.98E-04	4.70E-08	1.64E-08	3.22E-04	5.07E-08	1.77E-08	5.07E-04	7.99E-08	2.78E-08

Block Swap Yard - Park Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentrat	Dose	Risk	Concentrat	Dose	Risk	Concentrat	Dose	Risk
1	485973.61, 3854936.51	1.17E-02	3.69E-06	1.07E-06	1.26E-02	3.98E-06	1.16E-06	1.98E-02	6.26E-06	1.82E-06
2	486023.61, 3854936.51	1.14E-02	3.59E-06	1.04E-06	1.23E-02	3.87E-06	1.12E-06	1.93E-02	6.08E-06	1.77E-06
3	486073.61, 3854936.51	1.11E-02	3.51E-06	1.02E-06	1.20E-02	3.78E-06	1.10E-06	1.89E-02	5.96E-06	1.73E-06
4	486123.61, 3854936.51	1.07E-02	3.37E-06	9.81E-07	1.15E-02	3.63E-06	1.06E-06	1.81E-02	5.72E-06	1.66E-06
5	486173.61, 3854936.51	1.06E-02	3.34E-06	9.71E-07	1.14E-02	3.60E-06	1.05E-06	1.80E-02	5.67E-06	1.65E-06
6	486223.61, 3854936.51	1.03E-02	3.25E-06	9.45E-07	1.11E-02	3.50E-06	1.02E-06	1.75E-02	5.51E-06	1.60E-06
7	486273.61, 3854936.51	1.01E-02	3.18E-06	9.24E-07	1.09E-02	3.43E-06	9.97E-07	1.71E-02	5.40E-06	1.57E-06
8	486323.61, 3854936.51	9.88E-03	3.12E-06	9.07E-07	1.06E-02	3.36E-06	9.78E-07	1.68E-02	5.30E-06	1.54E-06
9	485973.61, 3854986.51	1.25E-02	3.94E-06	1.15E-06	1.35E-02	4.25E-06	1.24E-06	2.12E-02	6.68E-06	1.94E-06
10	486023.61, 3854986.51	1.22E-02	3.84E-06	1.12E-06	1.31E-02	4.14E-06	1.20E-06	2.06E-02	6.51E-06	1.89E-06
11	486073.61, 3854986.51	1.18E-02	3.72E-06	1.08E-06	1.27E-02	4.01E-06	1.17E-06	2.00E-02	6.31E-06	1.84E-06
12	486123.61, 3854986.51	1.15E-02	3.61E-06	1.05E-06	1.23E-02	3.90E-06	1.13E-06	1.94E-02	6.13E-06	1.78E-06
13	486173.61, 3854986.51	1.12E-02	3.55E-06	1.03E-06	1.21E-02	3.83E-06	1.11E-06	1.91E-02	6.02E-06	1.75E-06
14	486223.61, 3854986.51	1.09E-02	3.45E-06	1.00E-06	1.18E-02	3.71E-06	1.08E-06	1.85E-02	5.85E-06	1.70E-06
15	486273.61, 3854986.51	1.06E-02	3.34E-06	9.71E-07	1.14E-02	3.60E-06	1.05E-06	1.80E-02	5.67E-06	1.65E-06
16	486323.61, 3854986.51	1.05E-02	3.32E-06	9.65E-07	1.13E-02	3.58E-06	1.04E-06	1.78E-02	5.63E-06	1.64E-06
17	485973.61, 3855036.51	1.33E-02	4.21E-06	1.23E-06	1.44E-02	4.54E-06	1.32E-06	2.26E-02	7.13E-06	2.07E-06
18	486023.61, 3855036.51	1.30E-02	4.09E-06	1.19E-06	1.40E-02	4.41E-06	1.28E-06	2.19E-02	6.92E-06	2.01E-06
19	486073.61, 3855036.51	1.25E-02	3.94E-06	1.15E-06	1.35E-02	4.25E-06	1.24E-06	2.12E-02	6.68E-06	1.94E-06
20	486123.61, 3855036.51	1.21E-02	3.83E-06	1.11E-06	1.31E-02	4.13E-06	1.20E-06	2.06E-02	6.49E-06	1.89E-06
21	486173.61, 3855036.51	1.19E-02	3.76E-06	1.09E-06	1.28E-02	4.05E-06	1.18E-06	2.02E-02	6.38E-06	1.85E-06
22	486223.61, 3855036.51	1.15E-02	3.63E-06	1.06E-06	1.24E-02	3.91E-06	1.14E-06	1.95E-02	6.16E-06	1.79E-06
23	486273.61, 3855036.51	1.13E-02	3.58E-06	1.04E-06	1.22E-02	3.86E-06	1.12E-06	1.92E-02	6.07E-06	1.77E-06
24	486323.61, 3855036.51	1.10E-02	3.49E-06	1.01E-06	1.19E-02	3.76E-06	1.09E-06	1.87E-02	5.92E-06	1.72E-06
25	485973.61, 3855086.51	1.42E-02	4.48E-06	1.30E-06	1.53E-02	4.83E-06	1.40E-06	2.40E-02	7.58E-06	2.20E-06
26	486023.61, 3855086.51	1.38E-02	4.37E-06	1.27E-06	1.49E-02	4.70E-06	1.37E-06	2.34E-02	7.39E-06	2.15E-06
27	486073.61, 3855086.51	1.33E-02	4.20E-06	1.22E-06	1.43E-02	4.53E-06	1.32E-06	2.25E-02	7.11E-06	2.07E-06
28	486123.61, 3855086.51	1.30E-02	4.10E-06	1.19E-06	1.40E-02	4.42E-06	1.28E-06	2.20E-02	6.94E-06	2.02E-06
29	486173.61, 3855086.51	1.25E-02	3.96E-06	1.15E-06	1.35E-02	4.27E-06	1.24E-06	2.13E-02	6.71E-06	1.95E-06
30	486223.61, 3855086.51	1.23E-02	3.87E-06	1.12E-06	1.32E-02	4.17E-06	1.21E-06	2.08E-02	6.55E-06	1.91E-06
31	485973.61, 3855136.51	1.52E-02	4.79E-06	1.39E-06	1.64E-02	5.17E-06	1.50E-06	2.57E-02	8.11E-06	2.36E-06
32	486023.61, 3855136.51	1.47E-02	4.64E-06	1.35E-06	1.58E-02	5.00E-06	1.45E-06	2.49E-02	7.85E-06	2.28E-06
33	486073.61, 3855136.51	1.42E-02	4.49E-06	1.31E-06	1.53E-02	4.84E-06	1.41E-06	2.41E-02	7.59E-06	2.21E-06
34	486123.61, 3855136.51	1.38E-02	4.35E-06	1.27E-06	1.49E-02	4.69E-06	1.37E-06	2.34E-02	7.37E-06	2.14E-06
35	486173.61, 3855136.51	1.34E-02	4.22E-06	1.23E-06	1.44E-02	4.54E-06	1.32E-06	2.26E-02	7.14E-06	2.08E-06
36	486223.61, 3855136.51	1.30E-02	4.10E-06	1.19E-06	1.40E-02	4.42E-06	1.28E-06	2.20E-02	6.94E-06	2.02E-06
37	485973.61, 3855186.51	1.62E-02	5.12E-06	1.49E-06	1.75E-02	5.52E-06	1.61E-06	2.75E-02	8.67E-06	2.52E-06
38	486023.61, 3855186.51	1.57E-02	4.96E-06	1.44E-06	1.69E-02	5.35E-06	1.56E-06	2.66E-02	8.39E-06	2.44E-06
39	486073.61, 3855186.51	1.51E-02	4.77E-06	1.39E-06	1.63E-02	5.14E-06	1.49E-06	2.56E-02	8.07E-06	2.35E-06
40	486123.61, 3855186.51	1.45E-02	4.59E-06	1.33E-06	1.57E-02	4.94E-06	1.44E-06	2.46E-02	7.77E-06	2.26E-06
41	486173.61, 3855186.51	1.41E-02	4.45E-06	1.29E-06	1.52E-02	4.80E-06	1.40E-06	2.39E-02	7.54E-06	2.19E-06
42	486223.61, 3855186.51	1.37E-02	4.32E-06	1.26E-06	1.48E-02	4.66E-06	1.35E-06	2.32E-02	7.32E-06	2.13E-06
43	486273.61, 3855186.51	1.33E-02	4.19E-06	1.22E-06	1.43E-02	4.51E-06	1.31E-06	2.25E-02	7.09E-06	2.06E-06
44	486323.61, 3855186.51	1.32E-02	4.17E-06	1.21E-06	1.42E-02	4.49E-06	1.31E-06	2.24E-02	7.07E-06	2.06E-06
45	485973.61, 3855236.51	1.73E-02	5.46E-06	1.59E-06	1.86E-02	5.88E-06	1.71E-06	2.92E-02	9.23E-06	2.68E-06
46	486023.61, 3855236.51	1.66E-02	5.24E-06	1.52E-06	1.79E-02	5.65E-06	1.64E-06	2.81E-02	8.86E-06	2.58E-06
47	486073.61, 3855236.51	1.59E-02	5.02E-06	1.46E-06	1.72E-02	5.41E-06	1.57E-06	2.69E-02	8.50E-06	2.47E-06
48	486123.61, 3855236.51	1.54E-02	4.86E-06	1.41E-06	1.66E-02	5.24E-06	1.52E-06	2.61E-02	8.22E-06	2.39E-06
49	486173.61, 3855236.51	1.49E-02	4.71E-06	1.37E-06	1.61E-02	5.07E-06	1.48E-06	2.53E-02	7.97E-06	2.32E-06
50	486223.61, 3855236.51	1.44E-02	4.55E-06	1.32E-06	1.56E-02	4.91E-06	1.43E-06	2.44E-02	7.71E-06	2.24E-06
51	486273.61, 3855236.51	1.38E-02	4.36E-06	1.27E-06	1.49E-02	4.70E-06	1.37E-06	2.34E-02	7.38E-06	2.15E-06
52	486323.61, 3855236.51	1.39E-02	4.39E-06	1.28E-06	1.50E-02	4.73E-06	1.38E-06	2.36E-02	7.44E-06	2.16E-06
53	485973.61, 3855286.51	1.83E-02	5.79E-06	1.68E-06	1.98E-02	6.24E-06	1.81E-06	3.10E-02	9.79E-06	2.85E-06
54	486023.61, 3855286.51	1.76E-02	5.54E-06	1.61E-06	1.89E-02	5.97E-06	1.74E-06	2.97E-02	9.37E-06	2.73E-06
55	486073.61, 3855286.51	1.69E-02	5.33E-06	1.55E-06	1.82E-02	5.74E-06	1.67E-06	2.86E-02	9.02E-06	2.62E-06
56	486123.61, 3855286.51	1.62E-02	5.12E-06	1.49E-06	1.75E-02	5.52E-06	1.61E-06	2.75E-02	8.67E-06	2.52E-06
57	486173.61, 3855286.51	1.56E-02	4.94E-06	1.44E-06	1.69E-02	5.32E-06	1.55E-06	2.65E-02	8.36E-06	2.43E-06

58	486223.61, 3855286.51	1.52E-02	4.80E-06	1.40E-06	1.64E-02	5.17E-06	1.50E-06	2.57E-02	8.12E-06	2.36E-06
59	486123.61, 3855336.51	1.71E-02	5.39E-06	1.57E-06	1.84E-02	5.81E-06	1.69E-06	2.89E-02	9.12E-06	2.65E-06
60	486173.61, 3855336.51	1.65E-02	5.22E-06	1.52E-06	1.78E-02	5.62E-06	1.64E-06	2.80E-02	8.83E-06	2.57E-06
61	486223.61, 3855336.51	1.60E-02	5.04E-06	1.47E-06	1.72E-02	5.43E-06	1.58E-06	2.71E-02	8.54E-06	2.48E-06
62	486123.61, 3855386.51	1.80E-02	5.68E-06	1.65E-06	1.94E-02	6.12E-06	1.78E-06	3.05E-02	9.62E-06	2.80E-06
63	486173.61, 3855386.51	1.74E-02	5.49E-06	1.60E-06	1.87E-02	5.92E-06	1.72E-06	2.95E-02	9.30E-06	2.71E-06
64	486223.61, 3855386.51	1.69E-02	5.32E-06	1.55E-06	1.82E-02	5.74E-06	1.67E-06	2.86E-02	9.02E-06	2.62E-06
65	486533.18, 3855443.15	1.52E-02	4.78E-06	1.39E-06	1.63E-02	5.16E-06	1.50E-06	2.58E-02	8.13E-06	2.36E-06
66	486583.18, 3855443.15	1.47E-02	4.66E-06	1.35E-06	1.59E-02	5.02E-06	1.46E-06	2.51E-02	7.91E-06	2.30E-06
67	486633.18, 3855443.15	1.44E-02	4.53E-06	1.32E-06	1.55E-02	4.89E-06	1.42E-06	2.44E-02	7.71E-06	2.24E-06
68	486683.18, 3855443.15	1.41E-02	4.45E-06	1.29E-06	1.52E-02	4.79E-06	1.39E-06	2.40E-02	7.56E-06	2.20E-06
69	486533.18, 3855493.15	1.58E-02	5.00E-06	1.45E-06	1.71E-02	5.39E-06	1.57E-06	2.69E-02	8.50E-06	2.47E-06
70	486583.18, 3855493.15	1.54E-02	4.87E-06	1.42E-06	1.66E-02	5.25E-06	1.53E-06	2.62E-02	8.28E-06	2.41E-06
71	486633.18, 3855493.15	1.50E-02	4.74E-06	1.38E-06	1.62E-02	5.12E-06	1.49E-06	2.56E-02	8.07E-06	2.35E-06
72	486683.18, 3855493.15	1.47E-02	4.63E-06	1.35E-06	1.58E-02	4.99E-06	1.45E-06	2.49E-02	7.87E-06	2.29E-06
73	486533.18, 3855543.15	1.66E-02	5.24E-06	1.52E-06	1.79E-02	5.65E-06	1.64E-06	2.82E-02	8.91E-06	2.59E-06
74	486583.18, 3855543.15	1.60E-02	5.06E-06	1.47E-06	1.73E-02	5.46E-06	1.59E-06	2.73E-02	8.62E-06	2.51E-06
75	486633.18, 3855543.15	1.56E-02	4.94E-06	1.44E-06	1.69E-02	5.33E-06	1.55E-06	2.66E-02	8.41E-06	2.44E-06
76	486683.18, 3855543.15	1.51E-02	4.78E-06	1.39E-06	1.63E-02	5.15E-06	1.50E-06	2.58E-02	8.13E-06	2.37E-06
77	486533.18, 3855593.15	1.73E-02	5.46E-06	1.59E-06	1.87E-02	5.89E-06	1.71E-06	2.95E-02	9.30E-06	2.70E-06
78	486583.18, 3855593.15	1.68E-02	5.29E-06	1.54E-06	1.81E-02	5.71E-06	1.66E-06	2.85E-02	9.01E-06	2.62E-06
79	486633.18, 3855593.15	1.63E-02	5.14E-06	1.50E-06	1.76E-02	5.55E-06	1.61E-06	2.77E-02	8.76E-06	2.55E-06
80	486683.18, 3855593.15	1.59E-02	5.02E-06	1.46E-06	1.72E-02	5.41E-06	1.57E-06	2.71E-02	8.55E-06	2.49E-06
81	486533.18, 3855643.15	1.81E-02	5.70E-06	1.66E-06	1.95E-02	6.15E-06	1.79E-06	3.08E-02	9.71E-06	2.83E-06
82	486583.18, 3855643.15	1.75E-02	5.53E-06	1.61E-06	1.89E-02	5.97E-06	1.74E-06	2.99E-02	9.42E-06	2.74E-06
83	486633.18, 3855643.15	1.70E-02	5.37E-06	1.56E-06	1.83E-02	5.79E-06	1.68E-06	2.90E-02	9.15E-06	2.66E-06
84	486683.18, 3855643.15	1.66E-02	5.23E-06	1.52E-06	1.79E-02	5.64E-06	1.64E-06	2.82E-02	8.91E-06	2.59E-06
85	486533.18, 3855693.15	1.89E-02	5.98E-06	1.74E-06	2.04E-02	6.45E-06	1.88E-06	3.23E-02	1.02E-05	2.97E-06
86	486583.18, 3855693.15	1.82E-02	5.75E-06	1.67E-06	1.97E-02	6.21E-06	1.81E-06	3.11E-02	9.81E-06	2.85E-06
87	486633.18, 3855693.15	1.75E-02	5.54E-06	1.61E-06	1.89E-02	5.97E-06	1.74E-06	2.99E-02	9.44E-06	2.75E-06
88	486683.18, 3855693.15	1.72E-02	5.44E-06	1.58E-06	1.86E-02	5.86E-06	1.71E-06	2.94E-02	9.27E-06	2.70E-06
89	486733.18, 3855693.15	1.71E-02	5.38E-06	1.57E-06	1.84E-02	5.81E-06	1.69E-06	2.91E-02	9.18E-06	2.67E-06
90	486783.18, 3855693.15	1.70E-02	5.35E-06	1.56E-06	1.83E-02	5.77E-06	1.68E-06	2.89E-02	9.13E-06	2.66E-06
91	486533.18, 3855743.15	1.98E-02	6.24E-06	1.81E-06	2.13E-02	6.73E-06	1.96E-06	3.37E-02	1.06E-05	3.10E-06
92	486583.18, 3855743.15	1.89E-02	5.96E-06	1.73E-06	2.04E-02	6.43E-06	1.87E-06	3.22E-02	1.02E-05	2.96E-06
93	486633.18, 3855743.15	1.83E-02	5.77E-06	1.68E-06	1.97E-02	6.22E-06	1.81E-06	3.12E-02	9.84E-06	2.86E-06
94	486683.18, 3855743.15	1.80E-02	5.69E-06	1.66E-06	1.95E-02	6.14E-06	1.79E-06	3.08E-02	9.72E-06	2.83E-06
95	486733.18, 3855743.15	1.77E-02	5.58E-06	1.62E-06	1.91E-02	6.02E-06	1.75E-06	3.02E-02	9.53E-06	2.77E-06
96	486783.18, 3855743.15	1.77E-02	5.58E-06	1.62E-06	1.91E-02	6.02E-06	1.75E-06	3.02E-02	9.53E-06	2.77E-06
97	486533.18, 3855793.15	2.06E-02	6.51E-06	1.89E-06	2.23E-02	7.02E-06	2.04E-06	3.52E-02	1.11E-05	3.24E-06
98	486583.18, 3855793.15	1.95E-02	6.15E-06	1.79E-06	2.10E-02	6.63E-06	1.93E-06	3.33E-02	1.05E-05	3.05E-06
99	486633.18, 3855793.15	1.92E-02	6.05E-06	1.76E-06	2.07E-02	6.53E-06	1.90E-06	3.28E-02	1.03E-05	3.01E-06
100	486683.18, 3855793.15	1.89E-02	5.97E-06	1.74E-06	2.04E-02	6.45E-06	1.88E-06	3.24E-02	1.02E-05	2.97E-06
101	486733.18, 3855793.15	1.86E-02	5.87E-06	1.71E-06	2.01E-02	6.34E-06	1.84E-06	3.18E-02	1.00E-05	2.92E-06
102	486783.18, 3855793.15	1.84E-02	5.79E-06	1.68E-06	1.98E-02	6.25E-06	1.82E-06	3.14E-02	9.90E-06	2.88E-06
103	486533.18, 3855843.15	2.13E-02	6.72E-06	1.96E-06	2.30E-02	7.26E-06	2.11E-06	3.64E-02	1.15E-05	3.34E-06
104	486583.18, 3855843.15	2.03E-02	6.42E-06	1.87E-06	2.20E-02	6.93E-06	2.02E-06	3.48E-02	1.10E-05	3.19E-06
105	486633.18, 3855843.15	2.00E-02	6.32E-06	1.84E-06	2.16E-02	6.83E-06	1.99E-06	3.43E-02	1.08E-05	3.15E-06
106	486683.18, 3855843.15	1.98E-02	6.24E-06	1.81E-06	2.13E-02	6.73E-06	1.96E-06	3.38E-02	1.07E-05	3.10E-06
107	486733.18, 3855843.15	1.95E-02	6.15E-06	1.79E-06	2.10E-02	6.64E-06	1.93E-06	3.33E-02	1.05E-05	3.06E-06
108	486783.18, 3855843.15	1.92E-02	6.05E-06	1.76E-06	2.07E-02	6.53E-06	1.90E-06	3.28E-02	1.04E-05	3.01E-06
109	486533.18, 3855893.15	2.17E-02	6.86E-06	1.99E-06	2.34E-02	7.40E-06	2.15E-06	3.72E-02	1.17E-05	3.41E-06
110	486583.18, 3855893.15	2.13E-02	6.73E-06	1.96E-06	2.30E-02	7.27E-06	2.11E-06	3.65E-02	1.15E-05	3.35E-06
111	486633.18, 3855893.15	2.09E-02	6.60E-06	1.92E-06	2.26E-02	7.13E-06	2.07E-06	3.58E-02	1.13E-05	3.29E-06
112	486683.18, 3855893.15	2.06E-02	6.51E-06	1.89E-06	2.22E-02	7.02E-06	2.04E-06	3.53E-02	1.11E-05	3.24E-06
113	486733.18, 3855893.15	2.03E-02	6.41E-06	1.86E-06	2.19E-02	6.92E-06	2.01E-06	3.48E-02	1.10E-05	3.19E-06
114	486783.18, 3855893.15	2.01E-02	6.34E-06	1.84E-06	2.17E-02	6.84E-06	1.99E-06	3.44E-02	1.09E-05	3.16E-06
115	486533.18, 3855943.15	2.26E-02	7.12E-06	2.07E-06	2.44E-02	7.69E-06	2.24E-06	3.87E-02	1.22E-05	3.55E-06
116	486583.18, 3855943.15	2.24E-02	7.06E-06	2.05E-06	2.41E-02	7.62E-06	2.22E-06	3.83E-02	1.21E-05	3.52E-06
117	486633.18, 3855943.15	2.19E-02	6.90E-06	2.01E-06	2.36E-02	7.45E-06	2.17E-06	3.75E-02	1.18E-05	3.44E-06
118	486683.18, 3855943.15	2.16E-02	6.81E-06	1.98E-06	2.33E-02	7.36E-06	2.14E-06	3.70E-02	1.17E-05	3.40E-06

119	486733.18, 3855943.15	2.12E-02	6.69E-06	1.95E-06	2.29E-02	7.22E-06	2.10E-06	3.63E-02	1.15E-05	3.33E-06
120	486783.18, 3855943.15	2.10E-02	6.62E-06	1.92E-06	2.26E-02	7.14E-06	2.08E-06	3.60E-02	1.13E-05	3.30E-06
121	486533.18, 3855993.15	2.36E-02	7.46E-06	2.17E-06	2.55E-02	8.06E-06	2.34E-06	4.06E-02	1.28E-05	3.72E-06
122	486583.18, 3855993.15	2.33E-02	7.34E-06	2.13E-06	2.51E-02	7.92E-06	2.30E-06	3.99E-02	1.26E-05	3.66E-06
123	486633.18, 3855993.15	2.28E-02	7.21E-06	2.10E-06	2.46E-02	7.78E-06	2.26E-06	3.92E-02	1.24E-05	3.60E-06
124	486683.18, 3855993.15	2.25E-02	7.11E-06	2.07E-06	2.43E-02	7.68E-06	2.23E-06	3.87E-02	1.22E-05	3.55E-06
125	486733.18, 3855993.15	2.21E-02	6.99E-06	2.03E-06	2.39E-02	7.54E-06	2.19E-06	3.80E-02	1.20E-05	3.49E-06
126	486783.18, 3855993.15	2.18E-02	6.89E-06	2.00E-06	2.36E-02	7.43E-06	2.16E-06	3.74E-02	1.18E-05	3.44E-06
127	486533.18, 3856043.15	2.47E-02	7.80E-06	2.27E-06	2.67E-02	8.42E-06	2.45E-06	4.24E-02	1.34E-05	3.89E-06
128	486583.18, 3856043.15	2.44E-02	7.69E-06	2.24E-06	2.63E-02	8.30E-06	2.41E-06	4.18E-02	1.32E-05	3.84E-06
129	486633.18, 3856043.15	2.38E-02	7.52E-06	2.19E-06	2.57E-02	8.12E-06	2.36E-06	4.09E-02	1.29E-05	3.76E-06
130	486683.18, 3856043.15	2.35E-02	7.43E-06	2.16E-06	2.54E-02	8.02E-06	2.33E-06	4.04E-02	1.28E-05	3.71E-06
131	486733.18, 3856043.15	2.31E-02	7.28E-06	2.12E-06	2.49E-02	7.86E-06	2.29E-06	3.96E-02	1.25E-05	3.64E-06
132	486783.18, 3856043.15	2.28E-02	7.21E-06	2.10E-06	2.47E-02	7.78E-06	2.26E-06	3.92E-02	1.24E-05	3.60E-06
133	486533.18, 3856093.15	2.59E-02	8.19E-06	2.38E-06	2.80E-02	8.84E-06	2.57E-06	4.46E-02	1.41E-05	4.09E-06
134	486583.18, 3856093.15	2.54E-02	8.03E-06	2.33E-06	2.75E-02	8.67E-06	2.52E-06	4.37E-02	1.38E-05	4.01E-06
135	486633.18, 3856093.15	2.49E-02	7.87E-06	2.29E-06	2.69E-02	8.50E-06	2.47E-06	4.28E-02	1.35E-05	3.93E-06
136	486683.18, 3856093.15	2.46E-02	7.75E-06	2.25E-06	2.65E-02	8.37E-06	2.43E-06	4.22E-02	1.33E-05	3.87E-06
137	486733.18, 3856093.15	2.41E-02	7.61E-06	2.21E-06	2.60E-02	8.22E-06	2.39E-06	4.14E-02	1.31E-05	3.80E-06
138	486783.18, 3856093.15	2.38E-02	7.51E-06	2.18E-06	2.57E-02	8.11E-06	2.36E-06	4.09E-02	1.29E-05	3.75E-06
139	486533.18, 3856143.15	2.71E-02	8.56E-06	2.49E-06	2.93E-02	9.24E-06	2.69E-06	4.66E-02	1.47E-05	4.28E-06
140	486583.18, 3856143.15	2.65E-02	8.36E-06	2.43E-06	2.86E-02	9.02E-06	2.62E-06	4.55E-02	1.44E-05	4.18E-06
141	486633.18, 3856143.15	2.60E-02	8.22E-06	2.39E-06	2.81E-02	8.88E-06	2.58E-06	4.48E-02	1.41E-05	4.11E-06
142	486683.18, 3856143.15	2.56E-02	8.08E-06	2.35E-06	2.76E-02	8.72E-06	2.54E-06	4.40E-02	1.39E-05	4.04E-06
143	486733.18, 3856143.15	2.52E-02	7.94E-06	2.31E-06	2.72E-02	8.57E-06	2.49E-06	4.33E-02	1.37E-05	3.97E-06
144	486783.18, 3856143.15	2.49E-02	7.86E-06	2.29E-06	2.69E-02	8.49E-06	2.47E-06	4.29E-02	1.35E-05	3.94E-06
145	486533.18, 3856193.15	2.85E-02	8.98E-06	2.61E-06	3.07E-02	9.70E-06	2.82E-06	4.90E-02	1.55E-05	4.50E-06
146	486583.18, 3856193.15	2.77E-02	8.73E-06	2.54E-06	2.99E-02	9.43E-06	2.74E-06	4.77E-02	1.50E-05	4.38E-06
147	486633.18, 3856193.15	2.72E-02	8.58E-06	2.50E-06	2.94E-02	9.27E-06	2.70E-06	4.68E-02	1.48E-05	4.30E-06
148	486683.18, 3856193.15	2.69E-02	8.48E-06	2.47E-06	2.90E-02	9.16E-06	2.66E-06	4.62E-02	1.46E-05	4.25E-06
149	486733.18, 3856193.15	2.63E-02	8.30E-06	2.42E-06	2.84E-02	8.97E-06	2.61E-06	4.53E-02	1.43E-05	4.16E-06
150	486783.18, 3856193.15	2.60E-02	8.22E-06	2.39E-06	2.81E-02	8.88E-06	2.58E-06	4.49E-02	1.42E-05	4.12E-06
151	486533.18, 3856243.15	2.98E-02	9.40E-06	2.73E-06	3.22E-02	1.02E-05	2.95E-06	5.13E-02	1.62E-05	4.71E-06
152	486583.18, 3856243.15	2.91E-02	9.18E-06	2.67E-06	3.14E-02	9.92E-06	2.89E-06	5.02E-02	1.58E-05	4.60E-06
153	486633.18, 3856243.15	2.85E-02	8.99E-06	2.62E-06	3.08E-02	9.71E-06	2.83E-06	4.91E-02	1.55E-05	4.51E-06
154	486683.18, 3856243.15	2.80E-02	8.84E-06	2.57E-06	3.03E-02	9.55E-06	2.78E-06	4.83E-02	1.52E-05	4.43E-06
155	486733.18, 3856243.15	2.76E-02	8.71E-06	2.53E-06	2.98E-02	9.41E-06	2.74E-06	4.76E-02	1.50E-05	4.37E-06
156	486783.18, 3856243.15	2.71E-02	8.56E-06	2.49E-06	2.93E-02	9.25E-06	2.69E-06	4.68E-02	1.48E-05	4.29E-06
157	486533.18, 3856293.15	3.13E-02	9.87E-06	2.87E-06	3.38E-02	1.07E-05	3.10E-06	5.39E-02	1.70E-05	4.95E-06
158	486583.18, 3856293.15	3.05E-02	9.63E-06	2.80E-06	3.29E-02	1.04E-05	3.02E-06	5.26E-02	1.66E-05	4.83E-06
159	486633.18, 3856293.15	2.99E-02	9.43E-06	2.74E-06	3.23E-02	1.02E-05	2.96E-06	5.15E-02	1.63E-05	4.73E-06
160	486683.18, 3856293.15	2.93E-02	9.25E-06	2.69E-06	3.17E-02	9.99E-06	2.91E-06	5.05E-02	1.60E-05	4.64E-06
161	486733.18, 3856293.15	2.89E-02	9.13E-06	2.66E-06	3.12E-02	9.86E-06	2.87E-06	4.99E-02	1.57E-05	4.58E-06
162	486783.18, 3856293.15	2.84E-02	8.96E-06	2.61E-06	3.07E-02	9.68E-06	2.81E-06	4.89E-02	1.54E-05	4.49E-06
163	486783.18, 3856343.15	2.98E-02	9.42E-06	2.74E-06	3.22E-02	1.02E-05	2.96E-06	5.15E-02	1.63E-05	4.73E-06
164	486833.18, 3856343.15	2.93E-02	9.26E-06	2.69E-06	3.17E-02	1.00E-05	2.91E-06	5.06E-02	1.60E-05	4.65E-06
165	486883.18, 3856343.15	2.89E-02	9.11E-06	2.65E-06	3.12E-02	9.84E-06	2.86E-06	4.98E-02	1.57E-05	4.57E-06
166	486783.18, 3856393.15	3.11E-02	9.83E-06	2.86E-06	3.37E-02	1.06E-05	3.09E-06	5.38E-02	1.70E-05	4.94E-06
167	486833.18, 3856393.15	3.06E-02	9.67E-06	2.81E-06	3.31E-02	1.04E-05	3.04E-06	5.29E-02	1.67E-05	4.85E-06
168	486883.18, 3856393.15	3.00E-02	9.47E-06	2.75E-06	3.24E-02	1.02E-05	2.98E-06	5.18E-02	1.63E-05	4.75E-06
169	487208.74, 3856886.11	4.04E-02	1.27E-05	3.71E-06	4.36E-02	1.38E-05	4.01E-06	6.99E-02	2.21E-05	6.42E-06
170	487258.74, 3856886.11	3.92E-02	1.24E-05	3.60E-06	4.24E-02	1.34E-05	3.89E-06	6.79E-02	2.14E-05	6.23E-06
171	487308.74, 3856886.11	3.81E-02	1.20E-05	3.50E-06	4.12E-02	1.30E-05	3.78E-06	6.60E-02	2.08E-05	6.06E-06
172	487358.74, 3856886.11	3.71E-02	1.17E-05	3.40E-06	4.01E-02	1.27E-05	3.68E-06	6.42E-02	2.03E-05	5.89E-06
173	487208.74, 3856936.11	4.23E-02	1.34E-05	3.89E-06	4.57E-02	1.44E-05	4.20E-06	7.33E-02	2.31E-05	6.73E-06
174	487258.74, 3856936.11	4.10E-02	1.30E-05	3.77E-06	4.44E-02	1.40E-05	4.07E-06	7.11E-02	2.24E-05	6.53E-06
175	487308.74, 3856936.11	3.99E-02	1.26E-05	3.66E-06	4.31E-02	1.36E-05	3.96E-06	6.91E-02	2.18E-05	6.34E-06
176	487358.74, 3856936.11	3.88E-02	1.22E-05	3.56E-06	4.19E-02	1.32E-05	3.84E-06	6.71E-02	2.12E-05	6.16E-06
177	487208.74, 3856986.11	4.44E-02	1.40E-05	4.08E-06	4.80E-02	1.52E-05	4.41E-06	7.70E-02	2.43E-05	7.07E-06
178	487258.74, 3856986.11	4.31E-02	1.36E-05	3.96E-06	4.66E-02	1.47E-05	4.28E-06	7.47E-02	2.36E-05	6.86E-06
179	487308.74, 3856986.11	4.17E-02	1.32E-05	3.83E-06	4.51E-02	1.42E-05	4.14E-06	7.23E-02	2.28E-05	6.64E-06

180	487358.74, 3856986.11	4.05E-02	1.28E-05	3.72E-06	4.38E-02	1.38E-05	4.02E-06	7.02E-02	2.22E-05	6.45E-06
181	487208.74, 3857036.11	4.67E-02	1.47E-05	4.29E-06	5.05E-02	1.59E-05	4.64E-06	8.10E-02	2.56E-05	7.44E-06
182	487258.74, 3857036.11	4.52E-02	1.43E-05	4.15E-06	4.88E-02	1.54E-05	4.48E-06	7.83E-02	2.47E-05	7.19E-06
183	487308.74, 3857036.11	4.38E-02	1.38E-05	4.02E-06	4.73E-02	1.49E-05	4.35E-06	7.59E-02	2.40E-05	6.97E-06
184	487358.74, 3857036.11	4.24E-02	1.34E-05	3.90E-06	4.59E-02	1.45E-05	4.21E-06	7.36E-02	2.32E-05	6.75E-06
185	487427.14, 3856878.23	3.56E-02	1.13E-05	3.27E-06	3.85E-02	1.22E-05	3.54E-06	6.17E-02	1.95E-05	5.66E-06
186	487477.14, 3856878.23	3.48E-02	1.10E-05	3.19E-06	3.76E-02	1.19E-05	3.45E-06	6.02E-02	1.90E-05	5.53E-06
187	487527.14, 3856878.23	3.39E-02	1.07E-05	3.12E-06	3.67E-02	1.16E-05	3.37E-06	5.87E-02	1.85E-05	5.39E-06
188	487427.14, 3856928.23	3.71E-02	1.17E-05	3.41E-06	4.01E-02	1.27E-05	3.68E-06	6.43E-02	2.03E-05	5.90E-06
189	487477.14, 3856928.23	3.61E-02	1.14E-05	3.32E-06	3.91E-02	1.23E-05	3.59E-06	6.25E-02	1.97E-05	5.74E-06
190	487527.14, 3856928.23	3.52E-02	1.11E-05	3.24E-06	3.81E-02	1.20E-05	3.50E-06	6.10E-02	1.93E-05	5.60E-06
191	487577.14, 3856928.23	3.44E-02	1.09E-05	3.16E-06	3.72E-02	1.17E-05	3.41E-06	5.95E-02	1.88E-05	5.46E-06
192	487627.14, 3856928.23	3.35E-02	1.06E-05	3.08E-06	3.62E-02	1.14E-05	3.33E-06	5.80E-02	1.83E-05	5.33E-06
193	487677.14, 3856928.23	3.28E-02	1.03E-05	3.01E-06	3.54E-02	1.12E-05	3.25E-06	5.67E-02	1.79E-05	5.21E-06
194	487727.14, 3856928.23	3.21E-02	1.01E-05	2.94E-06	3.46E-02	1.09E-05	3.18E-06	5.55E-02	1.75E-05	5.09E-06
195	487777.14, 3856928.23	3.13E-02	9.89E-06	2.88E-06	3.39E-02	1.07E-05	3.11E-06	5.42E-02	1.71E-05	4.98E-06
196	487427.14, 3856978.23	3.87E-02	1.22E-05	3.55E-06	4.18E-02	1.32E-05	3.84E-06	6.70E-02	2.11E-05	6.15E-06
197	487477.14, 3856978.23	3.76E-02	1.19E-05	3.46E-06	4.07E-02	1.28E-05	3.74E-06	6.52E-02	2.06E-05	5.98E-06
198	487527.14, 3856978.23	3.67E-02	1.16E-05	3.37E-06	3.96E-02	1.25E-05	3.64E-06	6.35E-02	2.00E-05	5.83E-06
199	487577.14, 3856978.23	3.57E-02	1.13E-05	3.28E-06	3.86E-02	1.22E-05	3.54E-06	6.18E-02	1.95E-05	5.68E-06
200	487627.14, 3856978.23	3.48E-02	1.10E-05	3.19E-06	3.76E-02	1.19E-05	3.45E-06	6.02E-02	1.90E-05	5.53E-06
201	487677.14, 3856978.23	3.39E-02	1.07E-05	3.12E-06	3.67E-02	1.16E-05	3.37E-06	5.88E-02	1.85E-05	5.39E-06
202	487727.14, 3856978.23	3.30E-02	1.04E-05	3.03E-06	3.57E-02	1.13E-05	3.28E-06	5.72E-02	1.80E-05	5.25E-06
203	487777.14, 3856978.23	3.24E-02	1.02E-05	2.98E-06	3.50E-02	1.11E-05	3.22E-06	5.61E-02	1.77E-05	5.15E-06
204	487427.14, 3857028.23	4.04E-02	1.28E-05	3.71E-06	4.37E-02	1.38E-05	4.01E-06	7.00E-02	2.21E-05	6.43E-06
205	487477.14, 3857028.23	3.93E-02	1.24E-05	3.60E-06	4.24E-02	1.34E-05	3.90E-06	6.80E-02	2.15E-05	6.24E-06
206	487527.14, 3857028.23	3.81E-02	1.20E-05	3.50E-06	4.12E-02	1.30E-05	3.79E-06	6.61E-02	2.09E-05	6.07E-06
207	487577.14, 3857028.23	3.71E-02	1.17E-05	3.41E-06	4.01E-02	1.27E-05	3.68E-06	6.43E-02	2.03E-05	5.90E-06
208	487627.14, 3857028.23	3.61E-02	1.14E-05	3.31E-06	3.90E-02	1.23E-05	3.58E-06	6.25E-02	1.97E-05	5.74E-06
209	487677.14, 3857028.23	3.52E-02	1.11E-05	3.23E-06	3.80E-02	1.20E-05	3.49E-06	6.09E-02	1.92E-05	5.59E-06
210	487727.14, 3857028.23	3.43E-02	1.08E-05	3.15E-06	3.71E-02	1.17E-05	3.41E-06	5.95E-02	1.88E-05	5.46E-06
211	487777.14, 3857028.23	3.35E-02	1.06E-05	3.08E-06	3.62E-02	1.14E-05	3.32E-06	5.80E-02	1.83E-05	5.33E-06
212	487427.14, 3857078.23	4.23E-02	1.33E-05	3.88E-06	4.57E-02	1.44E-05	4.19E-06	7.33E-02	2.31E-05	6.73E-06
213	487477.14, 3857078.23	4.09E-02	1.29E-05	3.76E-06	4.43E-02	1.40E-05	4.06E-06	7.10E-02	2.24E-05	6.52E-06
214	487527.14, 3857078.23	3.97E-02	1.25E-05	3.65E-06	4.30E-02	1.36E-05	3.94E-06	6.89E-02	2.17E-05	6.32E-06
215	487577.14, 3857078.23	3.86E-02	1.22E-05	3.54E-06	4.17E-02	1.32E-05	3.83E-06	6.69E-02	2.11E-05	6.14E-06
216	487627.14, 3857078.23	3.75E-02	1.18E-05	3.44E-06	4.05E-02	1.28E-05	3.72E-06	6.50E-02	2.05E-05	5.96E-06
217	487677.14, 3857078.23	3.65E-02	1.15E-05	3.35E-06	3.94E-02	1.24E-05	3.62E-06	6.32E-02	2.00E-05	5.80E-06
218	487727.14, 3857078.23	3.55E-02	1.12E-05	3.26E-06	3.84E-02	1.21E-05	3.53E-06	6.16E-02	1.94E-05	5.65E-06
219	487777.14, 3857078.23	3.46E-02	1.09E-05	3.18E-06	3.74E-02	1.18E-05	3.43E-06	6.00E-02	1.89E-05	5.51E-06
220	487427.14, 3857128.23	4.42E-02	1.40E-05	4.06E-06	4.78E-02	1.51E-05	4.39E-06	7.68E-02	2.42E-05	7.05E-06
221	487477.14, 3857128.23	4.28E-02	1.35E-05	3.93E-06	4.62E-02	1.46E-05	4.24E-06	7.42E-02	2.34E-05	6.81E-06
222	487527.14, 3857128.23	4.14E-02	1.31E-05	3.80E-06	4.48E-02	1.41E-05	4.11E-06	7.18E-02	2.27E-05	6.59E-06
223	487577.14, 3857128.23	4.02E-02	1.27E-05	3.69E-06	4.34E-02	1.37E-05	3.98E-06	6.96E-02	2.20E-05	6.39E-06
224	487627.14, 3857128.23	3.90E-02	1.23E-05	3.58E-06	4.21E-02	1.33E-05	3.87E-06	6.76E-02	2.13E-05	6.21E-06
225	487677.14, 3857128.23	3.78E-02	1.19E-05	3.47E-06	4.09E-02	1.29E-05	3.75E-06	6.56E-02	2.07E-05	6.02E-06
226	487727.14, 3857128.23	3.68E-02	1.16E-05	3.38E-06	3.98E-02	1.26E-05	3.66E-06	6.39E-02	2.02E-05	5.86E-06
227	487777.14, 3857128.23	3.58E-02	1.13E-05	3.29E-06	3.87E-02	1.22E-05	3.55E-06	6.21E-02	1.96E-05	5.70E-06
228	488049.44, 3856539.39	2.26E-02	7.12E-06	2.07E-06	2.44E-02	7.69E-06	2.24E-06	3.89E-02	1.23E-05	3.57E-06
229	488099.44, 3856539.39	2.22E-02	6.99E-06	2.03E-06	2.39E-02	7.56E-06	2.20E-06	3.82E-02	1.21E-05	3.51E-06
230	488149.44, 3856539.39	2.18E-02	6.89E-06	2.00E-06	2.36E-02	7.44E-06	2.16E-06	3.76E-02	1.19E-05	3.45E-06
231	488049.44, 3856589.39	2.32E-02	7.32E-06	2.13E-06	2.51E-02	7.91E-06	2.30E-06	4.00E-02	1.26E-05	3.68E-06
232	488099.44, 3856589.39	2.28E-02	7.19E-06	2.09E-06	2.46E-02	7.77E-06	2.26E-06	3.93E-02	1.24E-05	3.61E-06
233	488149.44, 3856589.39	2.24E-02	7.07E-06	2.06E-06	2.42E-02	7.64E-06	2.22E-06	3.87E-02	1.22E-05	3.55E-06
234	488199.44, 3856589.39	2.20E-02	6.95E-06	2.02E-06	2.38E-02	7.51E-06	2.18E-06	3.80E-02	1.20E-05	3.49E-06
235	488249.44, 3856589.39	2.17E-02	6.86E-06	2.00E-06	2.35E-02	7.41E-06	2.16E-06	3.75E-02	1.18E-05	3.44E-06
236	488049.44, 3856639.39	2.38E-02	7.53E-06	2.19E-06	2.58E-02	8.13E-06	2.36E-06	4.12E-02	1.30E-05	3.78E-06
237	488099.44, 3856639.39	2.34E-02	7.39E-06	2.15E-06	2.53E-02	7.98E-06	2.32E-06	4.04E-02	1.28E-05	3.71E-06
238	488149.44, 3856639.39	2.30E-02	7.26E-06	2.11E-06	2.49E-02	7.85E-06	2.28E-06	3.97E-02	1.25E-05	3.65E-06
239	488199.44, 3856639.39	2.26E-02	7.15E-06	2.08E-06	2.45E-02	7.72E-06	2.25E-06	3.91E-02	1.23E-05	3.59E-06
240	488249.44, 3856639.39	2.23E-02	7.03E-06	2.05E-06	2.41E-02	7.60E-06	2.21E-06	3.85E-02	1.21E-05	3.53E-06

241	488299.44, 3856639.39	2.19E-02	6.92E-06	2.01E-06	2.37E-02	7.48E-06	2.17E-06	3.78E-02	1.19E-05	3.47E-06
242	488349.44, 3856639.39	2.16E-02	6.81E-06	1.98E-06	2.33E-02	7.35E-06	2.14E-06	3.72E-02	1.17E-05	3.42E-06
243	488399.44, 3856639.39	2.13E-02	6.71E-06	1.95E-06	2.30E-02	7.25E-06	2.11E-06	3.67E-02	1.16E-05	3.37E-06
244	488099.44, 3856689.39	2.41E-02	7.60E-06	2.21E-06	2.60E-02	8.21E-06	2.39E-06	4.16E-02	1.31E-05	3.82E-06
245	488149.44, 3856689.39	2.36E-02	7.46E-06	2.17E-06	2.55E-02	8.06E-06	2.34E-06	4.08E-02	1.29E-05	3.75E-06
246	488199.44, 3856689.39	2.32E-02	7.34E-06	2.13E-06	2.51E-02	7.93E-06	2.31E-06	4.01E-02	1.27E-05	3.68E-06
247	488249.44, 3856689.39	2.28E-02	7.21E-06	2.10E-06	2.47E-02	7.79E-06	2.26E-06	3.94E-02	1.24E-05	3.62E-06
248	488299.44, 3856689.39	2.25E-02	7.10E-06	2.06E-06	2.43E-02	7.67E-06	2.23E-06	3.88E-02	1.23E-05	3.56E-06
249	488349.44, 3856689.39	2.21E-02	6.98E-06	2.03E-06	2.39E-02	7.54E-06	2.19E-06	3.82E-02	1.20E-05	3.50E-06
250	488399.44, 3856689.39	2.17E-02	6.85E-06	1.99E-06	2.34E-02	7.40E-06	2.15E-06	3.75E-02	1.18E-05	3.44E-06
251	488099.44, 3856739.39	2.48E-02	7.81E-06	2.27E-06	2.67E-02	8.44E-06	2.46E-06	4.28E-02	1.35E-05	3.92E-06
252	488149.44, 3856739.39	2.43E-02	7.66E-06	2.23E-06	2.62E-02	8.28E-06	2.41E-06	4.19E-02	1.32E-05	3.85E-06
253	488199.44, 3856739.39	2.39E-02	7.54E-06	2.19E-06	2.58E-02	8.14E-06	2.37E-06	4.12E-02	1.30E-05	3.79E-06
254	488249.44, 3856739.39	2.34E-02	7.40E-06	2.15E-06	2.53E-02	7.99E-06	2.32E-06	4.05E-02	1.28E-05	3.72E-06
255	488299.44, 3856739.39	2.30E-02	7.25E-06	2.11E-06	2.48E-02	7.84E-06	2.28E-06	3.97E-02	1.25E-05	3.64E-06
256	488349.44, 3856739.39	2.27E-02	7.15E-06	2.08E-06	2.45E-02	7.72E-06	2.25E-06	3.91E-02	1.23E-05	3.59E-06
257	488399.44, 3856739.39	2.23E-02	7.04E-06	2.05E-06	2.41E-02	7.61E-06	2.21E-06	3.85E-02	1.22E-05	3.54E-06
258	487999.44, 3856789.39	2.63E-02	8.31E-06	2.42E-06	2.85E-02	8.98E-06	2.61E-06	4.55E-02	1.44E-05	4.18E-06
259	488049.44, 3856789.39	2.59E-02	8.16E-06	2.37E-06	2.79E-02	8.82E-06	2.56E-06	4.47E-02	1.41E-05	4.10E-06
260	488099.44, 3856789.39	2.54E-02	8.02E-06	2.33E-06	2.75E-02	8.67E-06	2.52E-06	4.39E-02	1.39E-05	4.03E-06
261	488149.44, 3856789.39	2.49E-02	7.87E-06	2.29E-06	2.69E-02	8.50E-06	2.47E-06	4.31E-02	1.36E-05	3.95E-06
262	488199.44, 3856789.39	2.45E-02	7.73E-06	2.25E-06	2.65E-02	8.35E-06	2.43E-06	4.23E-02	1.33E-05	3.88E-06
263	488249.44, 3856789.39	2.40E-02	7.59E-06	2.21E-06	2.60E-02	8.20E-06	2.38E-06	4.15E-02	1.31E-05	3.81E-06
264	488299.44, 3856789.39	2.36E-02	7.44E-06	2.16E-06	2.55E-02	8.04E-06	2.34E-06	4.07E-02	1.29E-05	3.74E-06
265	488349.44, 3856789.39	2.32E-02	7.33E-06	2.13E-06	2.51E-02	7.92E-06	2.30E-06	4.01E-02	1.27E-05	3.68E-06
266	488399.44, 3856789.39	2.28E-02	7.21E-06	2.10E-06	2.47E-02	7.79E-06	2.27E-06	3.95E-02	1.25E-05	3.62E-06
267	487949.44, 3856839.39	2.76E-02	8.72E-06	2.54E-06	2.98E-02	9.42E-06	2.74E-06	4.77E-02	1.51E-05	4.38E-06
268	487999.44, 3856839.39	2.71E-02	8.55E-06	2.49E-06	2.93E-02	9.24E-06	2.69E-06	4.68E-02	1.48E-05	4.30E-06
269	488049.44, 3856839.39	2.66E-02	8.38E-06	2.44E-06	2.87E-02	9.06E-06	2.63E-06	4.59E-02	1.45E-05	4.21E-06
270	488099.44, 3856839.39	2.61E-02	8.23E-06	2.39E-06	2.82E-02	8.89E-06	2.59E-06	4.51E-02	1.42E-05	4.14E-06
271	488149.44, 3856839.39	2.56E-02	8.08E-06	2.35E-06	2.77E-02	8.73E-06	2.54E-06	4.42E-02	1.40E-05	4.06E-06
272	488199.44, 3856839.39	2.51E-02	7.93E-06	2.31E-06	2.71E-02	8.57E-06	2.49E-06	4.34E-02	1.37E-05	3.99E-06
273	487949.44, 3856889.39	2.84E-02	8.96E-06	2.61E-06	3.07E-02	9.69E-06	2.82E-06	4.91E-02	1.55E-05	4.51E-06
274	487999.44, 3856889.39	2.79E-02	8.80E-06	2.56E-06	3.01E-02	9.51E-06	2.76E-06	4.82E-02	1.52E-05	4.42E-06
275	488049.44, 3856889.39	2.73E-02	8.61E-06	2.50E-06	2.95E-02	9.30E-06	2.71E-06	4.72E-02	1.49E-05	4.33E-06
276	488099.44, 3856889.39	2.68E-02	8.45E-06	2.46E-06	2.89E-02	9.13E-06	2.66E-06	4.63E-02	1.46E-05	4.25E-06
277	488635.86, 3857895.05	3.02E-02	9.54E-06	2.78E-06	3.27E-02	1.03E-05	3.00E-06	5.27E-02	1.66E-05	4.84E-06
278	489137.64, 3857804.15	2.27E-02	7.17E-06	2.09E-06	2.46E-02	7.75E-06	2.26E-06	3.95E-02	1.25E-05	3.63E-06
279	488617.32, 3857859.41	3.04E-02	9.59E-06	2.79E-06	3.29E-02	1.04E-05	3.02E-06	5.29E-02	1.67E-05	4.86E-06
280	488667.32, 3857859.41	2.95E-02	9.31E-06	2.71E-06	3.19E-02	1.01E-05	2.93E-06	5.14E-02	1.62E-05	4.71E-06
281	488717.32, 3857859.41	2.86E-02	9.03E-06	2.63E-06	3.10E-02	9.77E-06	2.84E-06	4.98E-02	1.57E-05	4.58E-06
282	488767.32, 3857859.41	2.78E-02	8.76E-06	2.55E-06	3.00E-02	9.47E-06	2.76E-06	4.83E-02	1.53E-05	4.44E-06
283	488617.32, 3857909.41	3.07E-02	9.68E-06	2.82E-06	3.32E-02	1.05E-05	3.05E-06	5.35E-02	1.69E-05	4.91E-06
284	488667.32, 3857909.41	2.97E-02	9.36E-06	2.72E-06	3.21E-02	1.01E-05	2.94E-06	5.16E-02	1.63E-05	4.74E-06
285	488717.32, 3857909.41	2.88E-02	9.09E-06	2.64E-06	3.12E-02	9.83E-06	2.86E-06	5.02E-02	1.58E-05	4.61E-06
286	488767.32, 3857909.41	2.79E-02	8.81E-06	2.56E-06	3.02E-02	9.53E-06	2.77E-06	4.86E-02	1.53E-05	4.46E-06
287	488417.32, 3857959.41	3.58E-02	1.13E-05	3.29E-06	3.87E-02	1.22E-05	3.56E-06	6.25E-02	1.97E-05	5.74E-06
288	488467.32, 3857959.41	3.44E-02	1.09E-05	3.16E-06	3.73E-02	1.18E-05	3.42E-06	6.01E-02	1.90E-05	5.52E-06
289	488517.32, 3857959.41	3.32E-02	1.05E-05	3.05E-06	3.59E-02	1.13E-05	3.30E-06	5.79E-02	1.83E-05	5.31E-06
290	488567.32, 3857959.41	3.20E-02	1.01E-05	2.94E-06	3.46E-02	1.09E-05	3.18E-06	5.57E-02	1.76E-05	5.12E-06
291	488617.32, 3857959.41	3.09E-02	9.76E-06	2.84E-06	3.34E-02	1.06E-05	3.07E-06	5.38E-02	1.70E-05	4.94E-06
292	488667.32, 3857959.41	2.99E-02	9.44E-06	2.75E-06	3.23E-02	1.02E-05	2.97E-06	5.21E-02	1.64E-05	4.78E-06
293	488717.32, 3857959.41	2.89E-02	9.13E-06	2.66E-06	3.13E-02	9.87E-06	2.87E-06	5.04E-02	1.59E-05	4.62E-06
294	488767.32, 3857959.41	2.80E-02	8.85E-06	2.57E-06	3.03E-02	9.57E-06	2.78E-06	4.88E-02	1.54E-05	4.48E-06
295	488417.32, 3858009.41	3.63E-02	1.15E-05	3.34E-06	3.93E-02	1.24E-05	3.61E-06	6.35E-02	2.00E-05	5.83E-06
296	488467.32, 3858009.41	3.49E-02	1.10E-05	3.20E-06	3.77E-02	1.19E-05	3.46E-06	6.09E-02	1.92E-05	5.59E-06
297	488517.32, 3858009.41	3.35E-02	1.06E-05	3.08E-06	3.63E-02	1.14E-05	3.33E-06	5.84E-02	1.84E-05	5.37E-06
298	488567.32, 3858009.41	3.23E-02	1.02E-05	2.96E-06	3.49E-02	1.10E-05	3.20E-06	5.62E-02	1.77E-05	5.16E-06
299	488617.32, 3858009.41	3.11E-02	9.83E-06	2.86E-06	3.37E-02	1.06E-05	3.09E-06	5.42E-02	1.71E-05	4.98E-06
300	488667.32, 3858009.41	3.01E-02	9.49E-06	2.76E-06	3.25E-02	1.03E-05	2.99E-06	5.24E-02	1.65E-05	4.81E-06
301	488717.32, 3858009.41	2.91E-02	9.17E-06	2.67E-06	3.14E-02	9.92E-06	2.88E-06	5.06E-02	1.60E-05	4.64E-06

302	488767.32, 3858009.41	2.81E-02	8.87E-06	2.58E-06	3.04E-02	9.59E-06	2.79E-06	4.89E-02	1.54E-05	4.49E-06
303	488417.32, 3858059.41	3.69E-02	1.16E-05	3.39E-06	3.99E-02	1.26E-05	3.66E-06	6.44E-02	2.03E-05	5.91E-06
304	488467.32, 3858059.41	3.53E-02	1.11E-05	3.24E-06	3.82E-02	1.20E-05	3.50E-06	6.15E-02	1.94E-05	5.65E-06
305	488517.32, 3858059.41	3.38E-02	1.07E-05	3.11E-06	3.66E-02	1.16E-05	3.36E-06	5.90E-02	1.86E-05	5.41E-06
306	488567.32, 3858059.41	3.25E-02	1.03E-05	2.98E-06	3.52E-02	1.11E-05	3.23E-06	5.66E-02	1.79E-05	5.20E-06
307	488617.32, 3858059.41	3.13E-02	9.87E-06	2.87E-06	3.38E-02	1.07E-05	3.10E-06	5.44E-02	1.72E-05	4.99E-06
308	488667.32, 3858059.41	3.01E-02	9.51E-06	2.77E-06	3.26E-02	1.03E-05	2.99E-06	5.25E-02	1.66E-05	4.82E-06
309	488417.32, 3858109.41	3.75E-02	1.18E-05	3.44E-06	4.06E-02	1.28E-05	3.73E-06	6.55E-02	2.07E-05	6.02E-06
310	488467.32, 3858109.41	3.57E-02	1.13E-05	3.28E-06	3.87E-02	1.22E-05	3.55E-06	6.24E-02	1.97E-05	5.73E-06
311	488517.32, 3858109.41	3.41E-02	1.08E-05	3.13E-06	3.69E-02	1.17E-05	3.39E-06	5.95E-02	1.88E-05	5.46E-06
312	488567.32, 3858109.41	3.27E-02	1.03E-05	3.00E-06	3.54E-02	1.12E-05	3.25E-06	5.69E-02	1.80E-05	5.23E-06
313	488617.32, 3858109.41	3.13E-02	9.89E-06	2.88E-06	3.39E-02	1.07E-05	3.11E-06	5.45E-02	1.72E-05	5.01E-06
314	488667.32, 3858109.41	3.02E-02	9.52E-06	2.77E-06	3.26E-02	1.03E-05	2.99E-06	5.25E-02	1.66E-05	4.82E-06
315	488769.93, 3858449.27	2.28E-02	7.18E-06	2.09E-06	2.45E-02	7.74E-06	2.25E-06	3.83E-02	1.21E-05	3.52E-06
316	488819.93, 3858449.27	2.19E-02	6.93E-06	2.01E-06	2.36E-02	7.46E-06	2.17E-06	3.70E-02	1.17E-05	3.40E-06
317	488819.93, 3858499.27	2.08E-02	6.56E-06	1.91E-06	2.24E-02	7.06E-06	2.05E-06	3.46E-02	1.09E-05	3.17E-06
318	488869.93, 3858499.27	2.01E-02	6.36E-06	1.85E-06	2.17E-02	6.84E-06	1.99E-06	3.35E-02	1.06E-05	3.08E-06
319	488869.93, 3858549.27	1.92E-02	6.05E-06	1.76E-06	2.06E-02	6.49E-06	1.89E-06	3.14E-02	9.90E-06	2.88E-06
320	489438.17, 3859571.48	4.45E-03	1.41E-06	4.09E-07	4.80E-03	1.51E-06	4.41E-07	7.52E-03	2.37E-06	6.90E-07
321	489488.17, 3859571.48	4.43E-03	1.40E-06	4.07E-07	4.77E-03	1.51E-06	4.38E-07	7.48E-03	2.36E-06	6.87E-07
322	489538.17, 3859571.48	4.41E-03	1.39E-06	4.05E-07	4.75E-03	1.50E-06	4.36E-07	7.45E-03	2.35E-06	6.84E-07
323	489588.17, 3859571.48	4.39E-03	1.39E-06	4.03E-07	4.73E-03	1.49E-06	4.34E-07	7.41E-03	2.34E-06	6.81E-07
324	489438.17, 3859621.48	4.30E-03	1.36E-06	3.95E-07	4.63E-03	1.46E-06	4.25E-07	7.26E-03	2.29E-06	6.67E-07
325	489488.17, 3859621.48	4.27E-03	1.35E-06	3.92E-07	4.61E-03	1.45E-06	4.23E-07	7.22E-03	2.28E-06	6.63E-07
326	489538.17, 3859621.48	4.25E-03	1.34E-06	3.90E-07	4.58E-03	1.45E-06	4.21E-07	7.18E-03	2.27E-06	6.60E-07
327	489588.17, 3859621.48	4.23E-03	1.34E-06	3.89E-07	4.56E-03	1.44E-06	4.19E-07	7.16E-03	2.26E-06	6.57E-07
328	489238.17, 3859671.48	4.23E-03	1.34E-06	3.89E-07	4.56E-03	1.44E-06	4.19E-07	7.16E-03	2.26E-06	6.57E-07
329	489288.17, 3859671.48	4.22E-03	1.33E-06	3.87E-07	4.55E-03	1.43E-06	4.17E-07	7.13E-03	2.25E-06	6.54E-07
330	489338.17, 3859671.48	4.20E-03	1.33E-06	3.86E-07	4.53E-03	1.43E-06	4.16E-07	7.10E-03	2.24E-06	6.52E-07
331	489388.17, 3859671.48	4.19E-03	1.32E-06	3.84E-07	4.51E-03	1.42E-06	4.14E-07	7.08E-03	2.23E-06	6.50E-07
332	489438.17, 3859671.48	4.16E-03	1.31E-06	3.82E-07	4.48E-03	1.41E-06	4.12E-07	7.03E-03	2.22E-06	6.46E-07
333	489488.17, 3859671.48	4.14E-03	1.31E-06	3.80E-07	4.46E-03	1.41E-06	4.10E-07	7.00E-03	2.21E-06	6.43E-07
334	489538.17, 3859671.48	4.12E-03	1.30E-06	3.78E-07	4.44E-03	1.40E-06	4.07E-07	6.97E-03	2.20E-06	6.40E-07
335	489588.17, 3859671.48	4.10E-03	1.29E-06	3.76E-07	4.42E-03	1.39E-06	4.05E-07	6.93E-03	2.19E-06	6.36E-07
336	489238.17, 3859721.48	4.09E-03	1.29E-06	3.76E-07	4.41E-03	1.39E-06	4.05E-07	6.92E-03	2.18E-06	6.35E-07
337	489288.17, 3859721.48	4.09E-03	1.29E-06	3.75E-07	4.40E-03	1.39E-06	4.04E-07	6.91E-03	2.18E-06	6.35E-07
338	489338.17, 3859721.48	4.07E-03	1.29E-06	3.74E-07	4.39E-03	1.39E-06	4.03E-07	6.89E-03	2.17E-06	6.32E-07
339	489388.17, 3859721.48	4.05E-03	1.28E-06	3.72E-07	4.37E-03	1.38E-06	4.01E-07	6.86E-03	2.17E-06	6.30E-07
340	489438.17, 3859721.48	4.03E-03	1.27E-06	3.70E-07	4.35E-03	1.37E-06	3.99E-07	6.82E-03	2.15E-06	6.26E-07
341	489488.17, 3859721.48	4.02E-03	1.27E-06	3.69E-07	4.33E-03	1.37E-06	3.97E-07	6.80E-03	2.15E-06	6.24E-07
342	489538.17, 3859721.48	3.99E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.95E-07	6.76E-03	2.13E-06	6.21E-07
343	489588.17, 3859721.48	3.97E-03	1.25E-06	3.65E-07	4.28E-03	1.35E-06	3.93E-07	6.73E-03	2.12E-06	6.18E-07
344	489238.17, 3859771.48	3.96E-03	1.25E-06	3.64E-07	4.27E-03	1.35E-06	3.92E-07	6.70E-03	2.11E-06	6.15E-07
345	489288.17, 3859771.48	3.96E-03	1.25E-06	3.63E-07	4.26E-03	1.35E-06	3.91E-07	6.70E-03	2.11E-06	6.15E-07
346	489338.17, 3859771.48	3.94E-03	1.24E-06	3.62E-07	4.25E-03	1.34E-06	3.90E-07	6.67E-03	2.11E-06	6.13E-07
347	489388.17, 3859771.48	3.93E-03	1.24E-06	3.61E-07	4.24E-03	1.34E-06	3.89E-07	6.65E-03	2.10E-06	6.11E-07
348	489438.17, 3859771.48	3.91E-03	1.23E-06	3.59E-07	4.21E-03	1.33E-06	3.87E-07	6.62E-03	2.09E-06	6.08E-07
349	489488.17, 3859771.48	3.90E-03	1.23E-06	3.58E-07	4.20E-03	1.33E-06	3.86E-07	6.61E-03	2.08E-06	6.06E-07
350	489538.17, 3859771.48	3.88E-03	1.23E-06	3.56E-07	4.19E-03	1.32E-06	3.84E-07	6.58E-03	2.08E-06	6.04E-07
351	489588.17, 3859771.48	3.86E-03	1.22E-06	3.54E-07	4.16E-03	1.31E-06	3.82E-07	6.54E-03	2.06E-06	6.01E-07
352	489238.17, 3859821.48	3.83E-03	1.21E-06	3.52E-07	4.13E-03	1.30E-06	3.79E-07	6.48E-03	2.05E-06	5.95E-07
353	489288.17, 3859821.48	3.83E-03	1.21E-06	3.52E-07	4.13E-03	1.30E-06	3.79E-07	6.49E-03	2.05E-06	5.96E-07
354	489338.17, 3859821.48	3.82E-03	1.21E-06	3.51E-07	4.12E-03	1.30E-06	3.78E-07	6.47E-03	2.04E-06	5.94E-07
355	489388.17, 3859821.48	3.81E-03	1.20E-06	3.50E-07	4.11E-03	1.30E-06	3.77E-07	6.46E-03	2.04E-06	5.93E-07
356	489438.17, 3859821.48	3.80E-03	1.20E-06	3.49E-07	4.10E-03	1.29E-06	3.76E-07	6.45E-03	2.03E-06	5.92E-07
357	489488.17, 3859821.48	3.79E-03	1.20E-06	3.48E-07	4.09E-03	1.29E-06	3.75E-07	6.43E-03	2.03E-06	5.90E-07
358	489538.17, 3859821.48	3.78E-03	1.19E-06	3.47E-07	4.07E-03	1.29E-06	3.74E-07	6.40E-03	2.02E-06	5.88E-07
359	489588.17, 3859821.48	3.76E-03	1.19E-06	3.45E-07	4.05E-03	1.28E-06	3.72E-07	6.37E-03	2.01E-06	5.85E-07
360	489238.17, 3859871.48	3.71E-03	1.17E-06	3.40E-07	4.00E-03	1.26E-06	3.67E-07	6.28E-03	1.98E-06	5.77E-07
361	489288.17, 3859871.48	3.71E-03	1.17E-06	3.40E-07	4.00E-03	1.26E-06	3.67E-07	6.28E-03	1.98E-06	5.77E-07
362	489338.17, 3859871.48	3.70E-03	1.17E-06	3.40E-07	3.99E-03	1.26E-06	3.67E-07	6.28E-03	1.98E-06	5.76E-07

363	489388.17, 3859871.48	3.70E-03	1.17E-06	3.40E-07	3.99E-03	1.26E-06	3.66E-07	6.28E-03	1.98E-06	5.76E-07
364	489438.17, 3859871.48	3.70E-03	1.17E-06	3.40E-07	3.99E-03	1.26E-06	3.66E-07	6.28E-03	1.98E-06	5.76E-07
365	489488.17, 3859871.48	3.70E-03	1.17E-06	3.39E-07	3.99E-03	1.26E-06	3.66E-07	6.27E-03	1.98E-06	5.76E-07
366	489538.17, 3859871.48	3.68E-03	1.16E-06	3.38E-07	3.97E-03	1.25E-06	3.64E-07	6.24E-03	1.97E-06	5.73E-07
367	489588.17, 3859871.48	3.66E-03	1.16E-06	3.36E-07	3.95E-03	1.25E-06	3.62E-07	6.21E-03	1.96E-06	5.70E-07
368	489238.17, 3859921.48	3.59E-03	1.13E-06	3.30E-07	3.87E-03	1.22E-06	3.56E-07	6.09E-03	1.92E-06	5.59E-07
369	489288.17, 3859921.48	3.60E-03	1.14E-06	3.31E-07	3.88E-03	1.22E-06	3.56E-07	6.10E-03	1.93E-06	5.60E-07
370	489338.17, 3859921.48	3.60E-03	1.14E-06	3.30E-07	3.88E-03	1.22E-06	3.56E-07	6.10E-03	1.93E-06	5.60E-07
371	489388.17, 3859921.48	3.60E-03	1.14E-06	3.31E-07	3.88E-03	1.23E-06	3.57E-07	6.11E-03	1.93E-06	5.61E-07
372	489438.17, 3859921.48	3.61E-03	1.14E-06	3.31E-07	3.89E-03	1.23E-06	3.57E-07	6.12E-03	1.93E-06	5.62E-07
373	489488.17, 3859921.48	3.60E-03	1.14E-06	3.30E-07	3.88E-03	1.22E-06	3.56E-07	6.11E-03	1.93E-06	5.61E-07
374	489538.17, 3859921.48	3.59E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.09E-03	1.92E-06	5.59E-07
375	489588.17, 3859921.48	3.57E-03	1.13E-06	3.28E-07	3.85E-03	1.22E-06	3.54E-07	6.07E-03	1.92E-06	5.57E-07
376	489238.17, 3859971.48	3.49E-03	1.10E-06	3.20E-07	3.76E-03	1.19E-06	3.45E-07	5.91E-03	1.87E-06	5.43E-07
377	489288.17, 3859971.48	3.49E-03	1.10E-06	3.21E-07	3.76E-03	1.19E-06	3.46E-07	5.92E-03	1.87E-06	5.44E-07
378	489338.17, 3859971.48	3.50E-03	1.10E-06	3.21E-07	3.77E-03	1.19E-06	3.46E-07	5.93E-03	1.87E-06	5.45E-07
379	489388.17, 3859971.48	3.50E-03	1.11E-06	3.22E-07	3.78E-03	1.19E-06	3.47E-07	5.95E-03	1.88E-06	5.46E-07
380	489438.17, 3859971.48	3.51E-03	1.11E-06	3.22E-07	3.79E-03	1.20E-06	3.48E-07	5.97E-03	1.88E-06	5.48E-07
381	489488.17, 3859971.48	3.51E-03	1.11E-06	3.23E-07	3.79E-03	1.20E-06	3.48E-07	5.98E-03	1.89E-06	5.49E-07
382	489538.17, 3859971.48	3.51E-03	1.11E-06	3.22E-07	3.78E-03	1.19E-06	3.47E-07	5.97E-03	1.88E-06	5.48E-07
383	489588.17, 3859971.48	3.49E-03	1.10E-06	3.21E-07	3.77E-03	1.19E-06	3.46E-07	5.95E-03	1.88E-06	5.46E-07
384	483577.7, 3854071	1.45E-02	4.58E-06	1.33E-06	1.58E-02	4.98E-06	1.45E-06	2.64E-02	8.32E-06	2.42E-06
385	483627.7, 3854071	1.38E-02	4.35E-06	1.27E-06	1.50E-02	4.73E-06	1.38E-06	2.50E-02	7.90E-06	2.30E-06
386	483677.7, 3854071	1.31E-02	4.12E-06	1.20E-06	1.42E-02	4.48E-06	1.30E-06	2.37E-02	7.47E-06	2.17E-06
387	483727.7, 3854071	1.24E-02	3.91E-06	1.14E-06	1.35E-02	4.25E-06	1.24E-06	2.24E-02	7.07E-06	2.06E-06
388	483777.7, 3854071	1.16E-02	3.66E-06	1.06E-06	1.26E-02	3.97E-06	1.16E-06	2.09E-02	6.59E-06	1.92E-06
389	483577.7, 3854121	1.60E-02	5.06E-06	1.47E-06	1.75E-02	5.51E-06	1.60E-06	2.94E-02	9.26E-06	2.69E-06
390	483627.7, 3854121	1.50E-02	4.75E-06	1.38E-06	1.64E-02	5.17E-06	1.50E-06	2.75E-02	8.67E-06	2.52E-06
391	483677.7, 3854121	1.40E-02	4.42E-06	1.29E-06	1.52E-02	4.81E-06	1.40E-06	2.55E-02	8.04E-06	2.34E-06
392	483727.7, 3854121	1.30E-02	4.10E-06	1.19E-06	1.41E-02	4.46E-06	1.30E-06	2.36E-02	7.44E-06	2.16E-06
393	483777.7, 3854121	1.23E-02	3.88E-06	1.13E-06	1.33E-02	4.21E-06	1.23E-06	2.22E-02	7.01E-06	2.04E-06
394	483577.7, 3854171	1.72E-02	5.44E-06	1.58E-06	1.88E-02	5.93E-06	1.72E-06	3.17E-02	9.99E-06	2.91E-06
395	483627.7, 3854171	1.59E-02	5.00E-06	1.46E-06	1.73E-02	5.45E-06	1.58E-06	2.90E-02	9.15E-06	2.66E-06
396	483677.7, 3854171	1.48E-02	4.66E-06	1.36E-06	1.61E-02	5.07E-06	1.48E-06	2.69E-02	8.50E-06	2.47E-06
397	483727.7, 3854171	1.39E-02	4.38E-06	1.28E-06	1.51E-02	4.77E-06	1.39E-06	2.53E-02	7.97E-06	2.32E-06
398	483777.7, 3854171	1.30E-02	4.11E-06	1.19E-06	1.41E-02	4.46E-06	1.30E-06	2.36E-02	7.45E-06	2.17E-06
399	483827.7, 3854171	1.20E-02	3.78E-06	1.10E-06	1.30E-02	4.10E-06	1.19E-06	2.16E-02	6.83E-06	1.99E-06
400	483877.7, 3854171	1.13E-02	3.58E-06	1.04E-06	1.23E-02	3.89E-06	1.13E-06	2.05E-02	6.46E-06	1.88E-06
401	483727.7, 3854221	1.49E-02	4.71E-06	1.37E-06	1.62E-02	5.12E-06	1.49E-06	2.71E-02	8.57E-06	2.49E-06
402	483777.7, 3854221	1.39E-02	4.38E-06	1.27E-06	1.51E-02	4.77E-06	1.39E-06	2.52E-02	7.96E-06	2.31E-06
403	483827.7, 3854221	1.34E-02	4.21E-06	1.23E-06	1.45E-02	4.58E-06	1.33E-06	2.42E-02	7.63E-06	2.22E-06
404	483877.7, 3854221	1.24E-02	3.92E-06	1.14E-06	1.35E-02	4.26E-06	1.24E-06	2.24E-02	7.08E-06	2.06E-06
405	489150.19, 3858726.45	1.44E-02	4.53E-06	1.32E-06	1.53E-02	4.84E-06	1.41E-06	2.27E-02	7.16E-06	2.08E-06
406	489200.19, 3858726.45	1.40E-02	4.40E-06	1.28E-06	1.49E-02	4.71E-06	1.37E-06	2.22E-02	7.01E-06	2.04E-06
407	489150.19, 3858776.45	1.38E-02	4.36E-06	1.27E-06	1.47E-02	4.65E-06	1.35E-06	2.15E-02	6.79E-06	1.97E-06
408	489200.19, 3858776.45	1.34E-02	4.22E-06	1.23E-06	1.43E-02	4.51E-06	1.31E-06	2.10E-02	6.64E-06	1.93E-06
409	488919.6, 3856400.76	1.64E-02	5.18E-06	1.51E-06	1.77E-02	5.59E-06	1.63E-06	2.83E-02	8.93E-06	2.60E-06
410	488919.6, 3856450.76	1.68E-02	5.29E-06	1.54E-06	1.81E-02	5.71E-06	1.66E-06	2.89E-02	9.12E-06	2.65E-06
411	488969.6, 3856450.76	1.65E-02	5.21E-06	1.52E-06	1.78E-02	5.63E-06	1.64E-06	2.85E-02	9.00E-06	2.62E-06
412	488919.6, 3856500.76	1.71E-02	5.40E-06	1.57E-06	1.85E-02	5.83E-06	1.70E-06	2.95E-02	9.32E-06	2.71E-06
413	488969.6, 3856500.76	1.69E-02	5.33E-06	1.55E-06	1.82E-02	5.76E-06	1.67E-06	2.91E-02	9.20E-06	2.67E-06
414	488919.6, 3856550.76	1.75E-02	5.52E-06	1.61E-06	1.89E-02	5.96E-06	1.73E-06	3.02E-02	9.53E-06	2.77E-06
415	488969.6, 3856550.76	1.72E-02	5.44E-06	1.58E-06	1.86E-02	5.88E-06	1.71E-06	2.98E-02	9.39E-06	2.73E-06
416	488819.6, 3856600.76	1.84E-02	5.80E-06	1.69E-06	1.98E-02	6.26E-06	1.82E-06	3.17E-02	1.00E-05	2.91E-06
417	488869.6, 3856600.76	1.81E-02	5.71E-06	1.66E-06	1.95E-02	6.17E-06	1.79E-06	3.12E-02	9.86E-06	2.87E-06
418	488919.6, 3856600.76	1.78E-02	5.63E-06	1.64E-06	1.93E-02	6.08E-06	1.77E-06	3.08E-02	9.72E-06	2.83E-06
419	488819.6, 3856650.76	1.88E-02	5.92E-06	1.72E-06	2.03E-02	6.39E-06	1.86E-06	3.24E-02	1.02E-05	2.97E-06
420	488869.6, 3856650.76	1.85E-02	5.83E-06	1.70E-06	2.00E-02	6.30E-06	1.83E-06	3.19E-02	1.01E-05	2.93E-06
421	488819.6, 3856700.76	1.91E-02	6.04E-06	1.76E-06	2.07E-02	6.53E-06	1.90E-06	3.31E-02	1.04E-05	3.04E-06
422	488869.6, 3856700.76	1.88E-02	5.95E-06	1.73E-06	2.04E-02	6.43E-06	1.87E-06	3.26E-02	1.03E-05	2.99E-06
423	488819.6, 3856750.76	1.95E-02	6.16E-06	1.79E-06	2.11E-02	6.66E-06	1.94E-06	3.37E-02	1.06E-05	3.10E-06

424	488869.6, 3856750.76	1.92E-02	6.07E-06	1.77E-06	2.08E-02	6.56E-06	1.91E-06	3.32E-02	1.05E-05	3.05E-06
425	488819.6, 3857050.76	2.19E-02	6.93E-06	2.01E-06	2.37E-02	7.49E-06	2.18E-06	3.80E-02	1.20E-05	3.49E-06
426	488869.6, 3857050.76	2.16E-02	6.80E-06	1.98E-06	2.33E-02	7.35E-06	2.14E-06	3.73E-02	1.18E-05	3.43E-06
427	488919.6, 3857050.76	2.12E-02	6.68E-06	1.94E-06	2.29E-02	7.22E-06	2.10E-06	3.67E-02	1.16E-05	3.37E-06
428	488819.6, 3857100.76	2.23E-02	7.05E-06	2.05E-06	2.41E-02	7.62E-06	2.22E-06	3.87E-02	1.22E-05	3.55E-06
429	488869.6, 3857100.76	2.19E-02	6.92E-06	2.01E-06	2.37E-02	7.48E-06	2.18E-06	3.80E-02	1.20E-05	3.49E-06
430	488919.6, 3857100.76	2.15E-02	6.79E-06	1.98E-06	2.33E-02	7.34E-06	2.14E-06	3.73E-02	1.18E-05	3.42E-06
431	488819.6, 3857150.76	2.27E-02	7.17E-06	2.09E-06	2.46E-02	7.75E-06	2.25E-06	3.94E-02	1.24E-05	3.62E-06
432	488869.6, 3857150.76	2.23E-02	7.03E-06	2.05E-06	2.41E-02	7.60E-06	2.21E-06	3.86E-02	1.22E-05	3.55E-06
433	488919.6, 3857150.76	2.19E-02	6.90E-06	2.01E-06	2.36E-02	7.46E-06	2.17E-06	3.79E-02	1.20E-05	3.48E-06
434	488969.6, 3857150.76	2.15E-02	6.78E-06	1.97E-06	2.32E-02	7.32E-06	2.13E-06	3.72E-02	1.18E-05	3.42E-06
435	488819.6, 3857200.76	2.31E-02	7.29E-06	2.12E-06	2.50E-02	7.88E-06	2.29E-06	4.01E-02	1.26E-05	3.68E-06
436	488869.6, 3857200.76	2.27E-02	7.15E-06	2.08E-06	2.45E-02	7.73E-06	2.25E-06	3.93E-02	1.24E-05	3.61E-06
437	488919.6, 3857200.76	2.22E-02	7.01E-06	2.04E-06	2.40E-02	7.58E-06	2.20E-06	3.85E-02	1.22E-05	3.54E-06
438	488969.6, 3857200.76	2.18E-02	6.88E-06	2.00E-06	2.36E-02	7.44E-06	2.16E-06	3.78E-02	1.19E-05	3.47E-06
439	488819.6, 3857250.76	2.35E-02	7.41E-06	2.16E-06	2.54E-02	8.01E-06	2.33E-06	4.07E-02	1.29E-05	3.74E-06
440	488869.6, 3857250.76	2.30E-02	7.26E-06	2.11E-06	2.49E-02	7.85E-06	2.28E-06	3.99E-02	1.26E-05	3.67E-06
441	488919.6, 3857250.76	2.26E-02	7.12E-06	2.07E-06	2.44E-02	7.70E-06	2.24E-06	3.91E-02	1.24E-05	3.59E-06
442	488969.6, 3857250.76	2.21E-02	6.98E-06	2.03E-06	2.39E-02	7.55E-06	2.20E-06	3.84E-02	1.21E-05	3.52E-06
443	488819.6, 3857300.76	2.38E-02	7.53E-06	2.19E-06	2.58E-02	8.14E-06	2.37E-06	4.14E-02	1.31E-05	3.80E-06
444	488869.6, 3857300.76	2.34E-02	7.37E-06	2.14E-06	2.52E-02	7.97E-06	2.32E-06	4.05E-02	1.28E-05	3.72E-06
445	488919.6, 3857300.76	2.29E-02	7.22E-06	2.10E-06	2.47E-02	7.81E-06	2.27E-06	3.97E-02	1.25E-05	3.65E-06
446	488819.6, 3857450.76	2.49E-02	7.85E-06	2.28E-06	2.69E-02	8.49E-06	2.47E-06	4.32E-02	1.36E-05	3.97E-06
447	488869.6, 3857450.76	2.43E-02	7.68E-06	2.23E-06	2.63E-02	8.30E-06	2.41E-06	4.23E-02	1.33E-05	3.88E-06
448	488919.6, 3857450.76	2.38E-02	7.51E-06	2.18E-06	2.57E-02	8.12E-06	2.36E-06	4.13E-02	1.30E-05	3.79E-06
449	488819.6, 3857500.76	2.52E-02	7.95E-06	2.31E-06	2.73E-02	8.60E-06	2.50E-06	4.38E-02	1.38E-05	4.02E-06
450	488869.6, 3857500.76	2.46E-02	7.77E-06	2.26E-06	2.66E-02	8.40E-06	2.44E-06	4.28E-02	1.35E-05	3.93E-06
451	488919.6, 3857500.76	2.41E-02	7.59E-06	2.21E-06	2.60E-02	8.21E-06	2.39E-06	4.18E-02	1.32E-05	3.84E-06
452	488819.6, 3857550.76	2.55E-02	8.05E-06	2.34E-06	2.76E-02	8.71E-06	2.53E-06	4.44E-02	1.40E-05	4.07E-06
453	488869.6, 3857550.76	2.49E-02	7.86E-06	2.29E-06	2.69E-02	8.50E-06	2.47E-06	4.33E-02	1.37E-05	3.98E-06
454	488919.6, 3857550.76	2.43E-02	7.68E-06	2.23E-06	2.63E-02	8.30E-06	2.41E-06	4.23E-02	1.33E-05	3.88E-06
455	489663.71, 3860900.05	2.05E-03	6.48E-07	1.88E-07	2.21E-03	6.99E-07	2.03E-07	3.49E-03	1.10E-06	3.20E-07
456	489813.71, 3860900.05	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.04E-07	2.05E-07	3.52E-03	1.11E-06	3.23E-07
457	489863.71, 3860900.05	2.07E-03	6.54E-07	1.90E-07	2.24E-03	7.06E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
458	489913.71, 3860900.05	2.08E-03	6.57E-07	1.91E-07	2.24E-03	7.08E-07	2.06E-07	3.54E-03	1.12E-06	3.25E-07
459	489963.71, 3860900.05	2.08E-03	6.58E-07	1.91E-07	2.25E-03	7.09E-07	2.06E-07	3.55E-03	1.12E-06	3.26E-07
460	490013.71, 3860900.05	2.09E-03	6.61E-07	1.92E-07	2.26E-03	7.12E-07	2.07E-07	3.56E-03	1.12E-06	3.27E-07
461	490063.71, 3860900.05	2.10E-03	6.62E-07	1.93E-07	2.26E-03	7.14E-07	2.08E-07	3.57E-03	1.13E-06	3.28E-07
462	489663.71, 3860950.05	2.00E-03	6.33E-07	1.84E-07	2.16E-03	6.82E-07	1.98E-07	3.41E-03	1.07E-06	3.13E-07
463	489813.71, 3860950.05	2.02E-03	6.38E-07	1.85E-07	2.18E-03	6.88E-07	2.00E-07	3.44E-03	1.08E-06	3.15E-07
464	489863.71, 3860950.05	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.88E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
465	489913.71, 3860950.05	2.03E-03	6.41E-07	1.86E-07	2.19E-03	6.91E-07	2.01E-07	3.45E-03	1.09E-06	3.17E-07
466	489963.71, 3860950.05	2.03E-03	6.42E-07	1.87E-07	2.19E-03	6.92E-07	2.01E-07	3.46E-03	1.09E-06	3.18E-07
467	490013.71, 3860950.05	2.04E-03	6.44E-07	1.87E-07	2.20E-03	6.94E-07	2.02E-07	3.47E-03	1.10E-06	3.19E-07
468	490063.71, 3860950.05	2.05E-03	6.46E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.48E-03	1.10E-06	3.20E-07
469	489513.71, 3861000.05	1.95E-03	6.15E-07	1.79E-07	2.10E-03	6.63E-07	1.93E-07	3.31E-03	1.04E-06	3.04E-07
470	489563.71, 3861000.05	1.95E-03	6.16E-07	1.79E-07	2.10E-03	6.64E-07	1.93E-07	3.31E-03	1.05E-06	3.04E-07
471	489613.71, 3861000.05	1.96E-03	6.17E-07	1.79E-07	2.11E-03	6.65E-07	1.94E-07	3.32E-03	1.05E-06	3.05E-07
472	489663.71, 3861000.05	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.67E-07	1.94E-07	3.33E-03	1.05E-06	3.06E-07
473	489713.71, 3861000.05	1.96E-03	6.19E-07	1.80E-07	2.12E-03	6.68E-07	1.94E-07	3.33E-03	1.05E-06	3.06E-07
474	489763.71, 3861000.05	1.97E-03	6.20E-07	1.80E-07	2.12E-03	6.69E-07	1.95E-07	3.34E-03	1.05E-06	3.07E-07
475	489813.71, 3861000.05	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.72E-07	1.95E-07	3.36E-03	1.06E-06	3.08E-07
476	489863.71, 3861000.05	1.98E-03	6.24E-07	1.81E-07	2.13E-03	6.72E-07	1.96E-07	3.36E-03	1.06E-06	3.08E-07
477	489913.71, 3861000.05	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.37E-03	1.06E-06	3.10E-07
478	489963.71, 3861000.05	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.76E-07	1.97E-07	3.38E-03	1.07E-06	3.10E-07
479	490013.71, 3861000.05	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.39E-03	1.07E-06	3.11E-07
480	490063.71, 3861000.05	2.00E-03	6.30E-07	1.83E-07	2.15E-03	6.79E-07	1.98E-07	3.40E-03	1.07E-06	3.12E-07
481	489513.71, 3861050.05	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.24E-03	1.02E-06	2.97E-07
482	489563.71, 3861050.05	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.50E-07	1.89E-07	3.24E-03	1.02E-06	2.98E-07
483	489613.71, 3861050.05	1.91E-03	6.04E-07	1.76E-07	2.06E-03	6.52E-07	1.90E-07	3.25E-03	1.03E-06	2.99E-07
484	489663.71, 3861050.05	1.92E-03	6.04E-07	1.76E-07	2.07E-03	6.52E-07	1.90E-07	3.25E-03	1.03E-06	2.99E-07

485	489713.71, 3861050.05	1.92E-03	6.05E-07	1.76E-07	2.07E-03	6.52E-07	1.90E-07	3.26E-03	1.03E-06	2.99E-07
486	489763.71, 3861050.05	1.92E-03	6.06E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.27E-03	1.03E-06	3.00E-07
487	489813.71, 3861050.05	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.28E-03	1.03E-06	3.01E-07
488	489863.71, 3861050.05	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.28E-03	1.04E-06	3.01E-07
489	489913.71, 3861050.05	1.93E-03	6.11E-07	1.78E-07	2.09E-03	6.58E-07	1.92E-07	3.29E-03	1.04E-06	3.02E-07
490	489963.71, 3861050.05	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.30E-03	1.04E-06	3.03E-07
491	490013.71, 3861050.05	1.95E-03	6.14E-07	1.79E-07	2.10E-03	6.62E-07	1.93E-07	3.31E-03	1.04E-06	3.04E-07
492	490063.71, 3861050.05	1.95E-03	6.15E-07	1.79E-07	2.10E-03	6.64E-07	1.93E-07	3.32E-03	1.05E-06	3.05E-07
493	489513.71, 3861100.05	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.36E-07	1.85E-07	3.17E-03	1.00E-06	2.91E-07
494	489563.71, 3861100.05	1.87E-03	5.89E-07	1.71E-07	2.01E-03	6.36E-07	1.85E-07	3.17E-03	1.00E-06	2.91E-07
495	489613.71, 3861100.05	1.87E-03	5.89E-07	1.71E-07	2.01E-03	6.35E-07	1.85E-07	3.17E-03	1.00E-06	2.91E-07
496	489663.71, 3861100.05	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.36E-07	1.85E-07	3.17E-03	1.00E-06	2.91E-07
497	489713.71, 3861100.05	1.87E-03	5.91E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.18E-03	1.00E-06	2.92E-07
498	489763.71, 3861100.05	1.88E-03	5.92E-07	1.72E-07	2.02E-03	6.39E-07	1.86E-07	3.19E-03	1.01E-06	2.93E-07
499	489813.71, 3861100.05	1.88E-03	5.94E-07	1.73E-07	2.03E-03	6.40E-07	1.86E-07	3.20E-03	1.01E-06	2.94E-07
500	489863.71, 3861100.05	1.89E-03	5.96E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.21E-03	1.01E-06	2.95E-07
501	489913.71, 3861100.05	1.89E-03	5.96E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.21E-03	1.01E-06	2.95E-07
502	489963.71, 3861100.05	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.22E-03	1.02E-06	2.96E-07
503	490013.71, 3861100.05	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.46E-07	1.88E-07	3.23E-03	1.02E-06	2.96E-07
504	490063.71, 3861100.05	1.90E-03	6.00E-07	1.75E-07	2.05E-03	6.48E-07	1.88E-07	3.24E-03	1.02E-06	2.97E-07
505	489713.71, 3861150.05	1.83E-03	5.78E-07	1.68E-07	1.97E-03	6.23E-07	1.81E-07	3.11E-03	9.82E-07	2.86E-07
506	489763.71, 3861150.05	1.83E-03	5.79E-07	1.68E-07	1.98E-03	6.24E-07	1.82E-07	3.12E-03	9.84E-07	2.86E-07
507	489813.71, 3861150.05	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.13E-03	9.87E-07	2.87E-07
508	489863.71, 3861150.05	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.27E-07	1.82E-07	3.13E-03	9.89E-07	2.88E-07
509	489913.71, 3861150.05	1.85E-03	5.83E-07	1.69E-07	1.99E-03	6.28E-07	1.83E-07	3.14E-03	9.91E-07	2.88E-07
510	489963.71, 3861150.05	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.15E-03	9.93E-07	2.89E-07
511	490013.71, 3861150.05	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.30E-07	1.83E-07	3.15E-03	9.95E-07	2.89E-07
512	490063.71, 3861150.05	1.86E-03	5.86E-07	1.71E-07	2.00E-03	6.32E-07	1.84E-07	3.16E-03	9.98E-07	2.90E-07
513	489613.71, 3861200.05	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.07E-07	1.76E-07	3.03E-03	9.56E-07	2.78E-07
514	489663.71, 3861200.05	1.79E-03	5.64E-07	1.64E-07	1.93E-03	6.08E-07	1.77E-07	3.04E-03	9.58E-07	2.79E-07
515	489713.71, 3861200.05	1.79E-03	5.65E-07	1.64E-07	1.93E-03	6.09E-07	1.77E-07	3.04E-03	9.60E-07	2.79E-07
516	489763.71, 3861200.05	1.79E-03	5.66E-07	1.65E-07	1.93E-03	6.11E-07	1.78E-07	3.05E-03	9.62E-07	2.80E-07
517	489813.71, 3861200.05	1.80E-03	5.68E-07	1.65E-07	1.94E-03	6.12E-07	1.78E-07	3.06E-03	9.65E-07	2.81E-07
518	489863.71, 3861200.05	1.80E-03	5.69E-07	1.66E-07	1.94E-03	6.14E-07	1.79E-07	3.07E-03	9.68E-07	2.81E-07
519	489913.71, 3861200.05	1.81E-03	5.70E-07	1.66E-07	1.95E-03	6.15E-07	1.79E-07	3.07E-03	9.69E-07	2.82E-07
520	489963.71, 3861200.05	1.81E-03	5.71E-07	1.66E-07	1.95E-03	6.15E-07	1.79E-07	3.08E-03	9.71E-07	2.82E-07
521	490013.71, 3861200.05	1.81E-03	5.72E-07	1.66E-07	1.95E-03	6.17E-07	1.79E-07	3.08E-03	9.73E-07	2.83E-07
522	490063.71, 3861200.05	1.82E-03	5.73E-07	1.67E-07	1.96E-03	6.18E-07	1.80E-07	3.09E-03	9.75E-07	2.84E-07
523	489513.71, 3861250.05	1.74E-03	5.49E-07	1.60E-07	1.87E-03	5.92E-07	1.72E-07	2.95E-03	9.31E-07	2.71E-07
524	489563.71, 3861250.05	1.74E-03	5.50E-07	1.60E-07	1.88E-03	5.93E-07	1.73E-07	2.96E-03	9.34E-07	2.72E-07
525	489613.71, 3861250.05	1.75E-03	5.51E-07	1.60E-07	1.88E-03	5.94E-07	1.73E-07	2.97E-03	9.36E-07	2.72E-07
526	489663.71, 3861250.05	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.95E-07	1.73E-07	2.97E-03	9.38E-07	2.73E-07
527	489713.71, 3861250.05	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.96E-07	1.73E-07	2.98E-03	9.40E-07	2.73E-07
528	489763.71, 3861250.05	1.76E-03	5.54E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	2.98E-03	9.42E-07	2.74E-07
529	489813.71, 3861250.05	1.76E-03	5.55E-07	1.62E-07	1.90E-03	5.99E-07	1.74E-07	2.99E-03	9.44E-07	2.75E-07
530	489863.71, 3861250.05	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	3.00E-03	9.46E-07	2.75E-07
531	489913.71, 3861250.05	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.02E-07	1.75E-07	3.01E-03	9.48E-07	2.76E-07
532	489963.71, 3861250.05	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.03E-07	1.75E-07	3.01E-03	9.50E-07	2.76E-07
533	490013.71, 3861250.05	1.77E-03	5.60E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.02E-03	9.52E-07	2.77E-07
534	490063.71, 3861250.05	1.78E-03	5.60E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.02E-03	9.53E-07	2.77E-07
535	489528.13, 3861308.47	1.70E-03	5.36E-07	1.56E-07	1.83E-03	5.77E-07	1.68E-07	2.88E-03	9.09E-07	2.64E-07
536	489578.13, 3861308.47	1.70E-03	5.37E-07	1.56E-07	1.83E-03	5.79E-07	1.68E-07	2.89E-03	9.11E-07	2.65E-07
537	489628.13, 3861308.47	1.70E-03	5.38E-07	1.56E-07	1.84E-03	5.80E-07	1.69E-07	2.89E-03	9.13E-07	2.66E-07
538	489678.13, 3861308.47	1.71E-03	5.39E-07	1.57E-07	1.84E-03	5.81E-07	1.69E-07	2.90E-03	9.15E-07	2.66E-07
539	489728.13, 3861308.47	1.71E-03	5.40E-07	1.57E-07	1.85E-03	5.82E-07	1.69E-07	2.91E-03	9.18E-07	2.67E-07
540	489778.13, 3861308.47	1.71E-03	5.41E-07	1.57E-07	1.85E-03	5.83E-07	1.70E-07	2.91E-03	9.19E-07	2.67E-07
541	489678.13, 3861358.47	1.67E-03	5.28E-07	1.54E-07	1.80E-03	5.69E-07	1.66E-07	2.84E-03	8.96E-07	2.61E-07
542	489728.13, 3861358.47	1.68E-03	5.29E-07	1.54E-07	1.81E-03	5.70E-07	1.66E-07	2.85E-03	8.98E-07	2.61E-07
543	489528.13, 3861408.47	1.63E-03	5.14E-07	1.49E-07	1.76E-03	5.54E-07	1.61E-07	2.76E-03	8.72E-07	2.54E-07
544	489578.13, 3861408.47	1.63E-03	5.15E-07	1.50E-07	1.76E-03	5.55E-07	1.61E-07	2.77E-03	8.74E-07	2.54E-07
545	489628.13, 3861408.47	1.64E-03	5.17E-07	1.50E-07	1.77E-03	5.57E-07	1.62E-07	2.78E-03	8.77E-07	2.55E-07

546	489678.13, 3861408.47	1.64E-03	5.17E-07	1.50E-07	1.77E-03	5.58E-07	1.62E-07	2.78E-03	8.79E-07	2.56E-07
547	489728.13, 3861408.47	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.58E-07	1.62E-07	2.79E-03	8.80E-07	2.56E-07
548	489528.13, 3861458.47	1.60E-03	5.04E-07	1.47E-07	1.72E-03	5.43E-07	1.58E-07	2.71E-03	8.55E-07	2.49E-07
549	489578.13, 3861458.47	1.60E-03	5.05E-07	1.47E-07	1.73E-03	5.45E-07	1.58E-07	2.72E-03	8.57E-07	2.49E-07
550	489628.13, 3861458.47	1.60E-03	5.06E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.72E-03	8.59E-07	2.50E-07
551	489678.13, 3861458.47	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.73E-03	8.61E-07	2.50E-07
552	489728.13, 3861458.47	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.47E-07	1.59E-07	2.73E-03	8.61E-07	2.50E-07
553	489528.13, 3861508.47	1.57E-03	4.94E-07	1.44E-07	1.69E-03	5.33E-07	1.55E-07	2.66E-03	8.39E-07	2.44E-07
554	489578.13, 3861508.47	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.34E-07	1.55E-07	2.66E-03	8.40E-07	2.44E-07
555	489628.13, 3861508.47	1.57E-03	4.96E-07	1.44E-07	1.69E-03	5.35E-07	1.55E-07	2.67E-03	8.42E-07	2.45E-07
556	489678.13, 3861508.47	1.57E-03	4.96E-07	1.44E-07	1.70E-03	5.35E-07	1.56E-07	2.67E-03	8.43E-07	2.45E-07
557	489728.13, 3861508.47	1.57E-03	4.97E-07	1.44E-07	1.70E-03	5.36E-07	1.56E-07	2.67E-03	8.44E-07	2.45E-07
558	489628.13, 3861558.47	1.54E-03	4.87E-07	1.42E-07	1.66E-03	5.25E-07	1.53E-07	2.62E-03	8.26E-07	2.40E-07
559	489678.13, 3861558.47	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.62E-03	8.28E-07	2.41E-07
560	489728.13, 3861558.47	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.63E-03	8.29E-07	2.41E-07
561	489357.08, 3861015.81	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.55E-07	1.91E-07	3.27E-03	1.03E-06	3.00E-07
562	489407.08, 3861015.81	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.55E-07	1.91E-07	3.27E-03	1.03E-06	3.00E-07
563	489457.08, 3861015.81	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.27E-03	1.03E-06	3.00E-07
564	489357.08, 3861065.81	1.88E-03	5.95E-07	1.73E-07	2.03E-03	6.41E-07	1.86E-07	3.20E-03	1.01E-06	2.93E-07
565	489407.08, 3861065.81	1.88E-03	5.95E-07	1.73E-07	2.03E-03	6.41E-07	1.86E-07	3.20E-03	1.01E-06	2.93E-07
566	489457.08, 3861065.81	1.89E-03	5.96E-07	1.73E-07	2.03E-03	6.42E-07	1.87E-07	3.20E-03	1.01E-06	2.94E-07
567	489357.08, 3861115.81	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.27E-07	1.82E-07	3.13E-03	9.87E-07	2.87E-07
568	489407.08, 3861115.81	1.85E-03	5.83E-07	1.70E-07	1.99E-03	6.28E-07	1.83E-07	3.13E-03	9.89E-07	2.88E-07
569	489457.08, 3861115.81	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.14E-03	9.90E-07	2.88E-07
570	489407.08, 3861165.81	1.81E-03	5.71E-07	1.66E-07	1.95E-03	6.16E-07	1.79E-07	3.07E-03	9.69E-07	2.82E-07
571	489457.08, 3861165.81	1.81E-03	5.71E-07	1.66E-07	1.95E-03	6.16E-07	1.79E-07	3.07E-03	9.69E-07	2.82E-07
572	489407.08, 3861215.81	1.76E-03	5.57E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	2.99E-03	9.44E-07	2.75E-07
573	489457.08, 3861215.81	1.77E-03	5.57E-07	1.62E-07	1.90E-03	6.01E-07	1.75E-07	3.00E-03	9.46E-07	2.75E-07
574	489407.08, 3861265.81	1.72E-03	5.43E-07	1.58E-07	1.85E-03	5.85E-07	1.70E-07	2.92E-03	9.21E-07	2.68E-07
575	489457.08, 3861265.81	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.86E-07	1.71E-07	2.92E-03	9.23E-07	2.68E-07
576	489309.86, 3861110.14	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.27E-07	1.82E-07	3.13E-03	9.87E-07	2.87E-07
577	489407.08, 3861315.81	1.68E-03	5.31E-07	1.55E-07	1.81E-03	5.73E-07	1.67E-07	2.86E-03	9.01E-07	2.62E-07
578	489457.08, 3861315.81	1.69E-03	5.33E-07	1.55E-07	1.82E-03	5.74E-07	1.67E-07	2.86E-03	9.04E-07	2.63E-07
579	488906.03, 3861006.75	1.92E-03	6.07E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.26E-03	1.03E-06	2.99E-07
580	488956.03, 3861006.75	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.27E-03	1.03E-06	3.00E-07
581	488904.24, 3861051.87	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.23E-03	1.02E-06	2.97E-07
582	488954.24, 3861051.87	1.90E-03	6.00E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.22E-03	1.02E-06	2.96E-07
583	489004.24, 3861051.87	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.50E-07	1.89E-07	3.24E-03	1.02E-06	2.97E-07
584	488804.24, 3861101.87	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.30E-07	1.83E-07	3.13E-03	9.89E-07	2.88E-07
585	488854.24, 3861101.87	1.86E-03	5.86E-07	1.71E-07	2.00E-03	6.32E-07	1.84E-07	3.15E-03	9.93E-07	2.89E-07
586	488904.24, 3861101.87	1.84E-03	5.81E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.12E-03	9.84E-07	2.86E-07
587	488954.24, 3861101.87	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.25E-07	1.82E-07	3.11E-03	9.82E-07	2.86E-07
588	489004.24, 3861101.87	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.12E-03	9.83E-07	2.86E-07
589	488804.24, 3861151.87	1.79E-03	5.64E-07	1.64E-07	1.93E-03	6.08E-07	1.77E-07	3.02E-03	9.55E-07	2.78E-07
590	488854.24, 3861151.87	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.07E-07	1.77E-07	3.02E-03	9.54E-07	2.77E-07
591	489129.49, 3861187.55	1.77E-03	5.57E-07	1.62E-07	1.90E-03	6.01E-07	1.75E-07	2.99E-03	9.45E-07	2.75E-07
592	489179.49, 3861187.55	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.01E-07	1.75E-07	3.00E-03	9.46E-07	2.75E-07
593	488804.24, 3861201.87	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.95E-07	1.73E-07	2.96E-03	9.35E-07	2.72E-07
594	488854.24, 3861201.87	1.74E-03	5.50E-07	1.60E-07	1.88E-03	5.93E-07	1.72E-07	2.95E-03	9.32E-07	2.71E-07
595	489129.49, 3861237.55	1.73E-03	5.47E-07	1.59E-07	1.87E-03	5.90E-07	1.72E-07	2.94E-03	9.27E-07	2.70E-07
596	489179.49, 3861237.55	1.73E-03	5.46E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.93E-03	9.26E-07	2.69E-07
597	488804.24, 3861251.87	1.71E-03	5.41E-07	1.57E-07	1.85E-03	5.83E-07	1.70E-07	2.90E-03	9.16E-07	2.67E-07
598	488854.24, 3861251.87	1.71E-03	5.39E-07	1.57E-07	1.84E-03	5.81E-07	1.69E-07	2.89E-03	9.13E-07	2.66E-07
599	488804.24, 3861301.87	1.68E-03	5.29E-07	1.54E-07	1.81E-03	5.70E-07	1.66E-07	2.84E-03	8.96E-07	2.61E-07
600	488854.24, 3861301.87	1.67E-03	5.28E-07	1.54E-07	1.80E-03	5.69E-07	1.66E-07	2.83E-03	8.95E-07	2.60E-07
601	490943.5, 3860181.97	2.81E-03	8.88E-07	2.58E-07	3.03E-03	9.57E-07	2.78E-07	4.79E-03	1.51E-06	4.39E-07
602	490993.5, 3860181.97	2.82E-03	8.90E-07	2.59E-07	3.04E-03	9.60E-07	2.79E-07	4.80E-03	1.51E-06	4.40E-07
603	491043.5, 3860181.97	2.83E-03	8.93E-07	2.60E-07	3.05E-03	9.63E-07	2.80E-07	4.81E-03	1.52E-06	4.42E-07
604	491093.5, 3860181.97	2.83E-03	8.94E-07	2.60E-07	3.06E-03	9.64E-07	2.81E-07	4.82E-03	1.52E-06	4.43E-07
605	490943.5, 3860231.97	2.72E-03	8.57E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.62E-03	1.46E-06	4.25E-07
606	490993.5, 3860231.97	2.73E-03	8.61E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.64E-03	1.47E-06	4.26E-07

607	491043.5, 3860231.97	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.30E-07	2.70E-07	4.65E-03	1.47E-06	4.27E-07
608	491093.5, 3860231.97	2.73E-03	8.63E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.66E-03	1.47E-06	4.27E-07
609	490943.5, 3860281.97	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.48E-03	1.41E-06	4.11E-07
610	490993.5, 3860281.97	2.64E-03	8.32E-07	2.42E-07	2.84E-03	8.98E-07	2.61E-07	4.49E-03	1.42E-06	4.12E-07
611	491043.5, 3860281.97	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.50E-03	1.42E-06	4.13E-07
612	491093.5, 3860281.97	2.64E-03	8.35E-07	2.43E-07	2.85E-03	9.00E-07	2.62E-07	4.50E-03	1.42E-06	4.13E-07
613	490943.5, 3860331.97	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.34E-03	1.37E-06	3.99E-07
614	490993.5, 3860331.97	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.34E-03	1.37E-06	3.99E-07
615	491043.5, 3860331.97	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
616	491093.5, 3860331.97	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.70E-07	2.53E-07	4.35E-03	1.37E-06	4.00E-07
617	490086.72, 3859935.12	3.32E-03	1.05E-06	3.04E-07	3.58E-03	1.13E-06	3.28E-07	5.63E-03	1.78E-06	5.17E-07
618	490136.72, 3859935.12	3.30E-03	1.04E-06	3.03E-07	3.56E-03	1.12E-06	3.27E-07	5.61E-03	1.77E-06	5.15E-07
619	490186.72, 3859935.12	3.30E-03	1.04E-06	3.03E-07	3.55E-03	1.12E-06	3.26E-07	5.60E-03	1.77E-06	5.14E-07
620	490236.72, 3859935.12	3.29E-03	1.04E-06	3.02E-07	3.55E-03	1.12E-06	3.26E-07	5.59E-03	1.76E-06	5.13E-07
621	490286.72, 3859935.12	3.29E-03	1.04E-06	3.02E-07	3.54E-03	1.12E-06	3.25E-07	5.58E-03	1.76E-06	5.13E-07
622	490336.72, 3859935.12	3.29E-03	1.04E-06	3.02E-07	3.54E-03	1.12E-06	3.25E-07	5.58E-03	1.76E-06	5.13E-07
623	490386.72, 3859935.12	3.29E-03	1.04E-06	3.02E-07	3.55E-03	1.12E-06	3.26E-07	5.59E-03	1.76E-06	5.13E-07
624	490436.72, 3859935.12	3.30E-03	1.04E-06	3.03E-07	3.55E-03	1.12E-06	3.26E-07	5.60E-03	1.77E-06	5.14E-07
625	490486.72, 3859935.12	3.30E-03	1.04E-06	3.03E-07	3.56E-03	1.12E-06	3.27E-07	5.61E-03	1.77E-06	5.15E-07
626	490536.72, 3859935.12	3.32E-03	1.05E-06	3.05E-07	3.58E-03	1.13E-06	3.29E-07	5.64E-03	1.78E-06	5.18E-07
627	490586.72, 3859935.12	3.34E-03	1.05E-06	3.07E-07	3.60E-03	1.14E-06	3.31E-07	5.68E-03	1.79E-06	5.21E-07
628	490636.72, 3859935.12	3.36E-03	1.06E-06	3.08E-07	3.62E-03	1.14E-06	3.32E-07	5.70E-03	1.80E-06	5.24E-07
629	490686.72, 3859935.12	3.38E-03	1.07E-06	3.11E-07	3.65E-03	1.15E-06	3.35E-07	5.75E-03	1.81E-06	5.28E-07
630	490736.72, 3859935.12	3.40E-03	1.07E-06	3.12E-07	3.67E-03	1.16E-06	3.37E-07	5.78E-03	1.82E-06	5.31E-07
631	490086.72, 3859985.12	3.22E-03	1.02E-06	2.96E-07	3.48E-03	1.10E-06	3.19E-07	5.48E-03	1.73E-06	5.03E-07
632	490136.72, 3859985.12	3.21E-03	1.01E-06	2.95E-07	3.46E-03	1.09E-06	3.18E-07	5.45E-03	1.72E-06	5.01E-07
633	490186.72, 3859985.12	3.20E-03	1.01E-06	2.94E-07	3.45E-03	1.09E-06	3.17E-07	5.43E-03	1.72E-06	4.99E-07
634	490236.72, 3859985.12	3.19E-03	1.01E-06	2.93E-07	3.44E-03	1.09E-06	3.16E-07	5.42E-03	1.71E-06	4.98E-07
635	490286.72, 3859985.12	3.18E-03	1.00E-06	2.92E-07	3.43E-03	1.08E-06	3.15E-07	5.41E-03	1.71E-06	4.97E-07
636	490336.72, 3859985.12	3.18E-03	1.00E-06	2.92E-07	3.43E-03	1.08E-06	3.15E-07	5.40E-03	1.71E-06	4.96E-07
637	490386.72, 3859985.12	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.39E-03	1.70E-06	4.95E-07
638	490436.72, 3859985.12	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.40E-03	1.70E-06	4.95E-07
639	490486.72, 3859985.12	3.18E-03	1.00E-06	2.92E-07	3.43E-03	1.08E-06	3.15E-07	5.40E-03	1.71E-06	4.96E-07
640	490536.72, 3859985.12	3.19E-03	1.01E-06	2.93E-07	3.44E-03	1.09E-06	3.16E-07	5.42E-03	1.71E-06	4.98E-07
641	490586.72, 3859985.12	3.21E-03	1.01E-06	2.94E-07	3.46E-03	1.09E-06	3.17E-07	5.45E-03	1.72E-06	5.00E-07
642	490636.72, 3859985.12	3.22E-03	1.02E-06	2.96E-07	3.48E-03	1.10E-06	3.19E-07	5.48E-03	1.73E-06	5.03E-07
643	490686.72, 3859985.12	3.25E-03	1.02E-06	2.98E-07	3.50E-03	1.11E-06	3.21E-07	5.52E-03	1.74E-06	5.07E-07
644	490736.72, 3859985.12	3.26E-03	1.03E-06	2.99E-07	3.52E-03	1.11E-06	3.23E-07	5.54E-03	1.75E-06	5.09E-07
645	490786.72, 3859985.12	3.27E-03	1.03E-06	3.00E-07	3.53E-03	1.11E-06	3.24E-07	5.57E-03	1.76E-06	5.11E-07
646	490086.72, 3860035.12	3.14E-03	9.92E-07	2.89E-07	3.39E-03	1.07E-06	3.11E-07	5.34E-03	1.69E-06	4.90E-07
647	490136.72, 3860035.12	3.12E-03	9.86E-07	2.87E-07	3.37E-03	1.06E-06	3.09E-07	5.31E-03	1.68E-06	4.88E-07
648	490186.72, 3860035.12	3.11E-03	9.81E-07	2.85E-07	3.35E-03	1.06E-06	3.08E-07	5.29E-03	1.67E-06	4.85E-07
649	490236.72, 3860035.12	3.10E-03	9.77E-07	2.84E-07	3.34E-03	1.05E-06	3.07E-07	5.27E-03	1.66E-06	4.83E-07
650	490286.72, 3860035.12	3.09E-03	9.74E-07	2.83E-07	3.33E-03	1.05E-06	3.05E-07	5.25E-03	1.66E-06	4.82E-07
651	490336.72, 3860035.12	3.08E-03	9.72E-07	2.83E-07	3.32E-03	1.05E-06	3.05E-07	5.24E-03	1.65E-06	4.81E-07
652	490386.72, 3860035.12	3.07E-03	9.70E-07	2.82E-07	3.31E-03	1.05E-06	3.04E-07	5.22E-03	1.65E-06	4.80E-07
653	490436.72, 3860035.12	3.07E-03	9.68E-07	2.82E-07	3.31E-03	1.04E-06	3.04E-07	5.22E-03	1.65E-06	4.79E-07
654	490486.72, 3860035.12	3.07E-03	9.68E-07	2.82E-07	3.31E-03	1.04E-06	3.04E-07	5.22E-03	1.65E-06	4.79E-07
655	490536.72, 3860035.12	3.07E-03	9.70E-07	2.82E-07	3.31E-03	1.05E-06	3.04E-07	5.23E-03	1.65E-06	4.80E-07
656	490586.72, 3860035.12	3.08E-03	9.73E-07	2.83E-07	3.32E-03	1.05E-06	3.05E-07	5.24E-03	1.65E-06	4.81E-07
657	490636.72, 3860035.12	3.09E-03	9.75E-07	2.83E-07	3.33E-03	1.05E-06	3.06E-07	5.25E-03	1.66E-06	4.82E-07
658	490686.72, 3860035.12	3.10E-03	9.79E-07	2.85E-07	3.35E-03	1.06E-06	3.07E-07	5.28E-03	1.67E-06	4.84E-07
659	490736.72, 3860035.12	3.13E-03	9.87E-07	2.87E-07	3.37E-03	1.06E-06	3.10E-07	5.32E-03	1.68E-06	4.88E-07
660	490786.72, 3860035.12	3.14E-03	9.91E-07	2.88E-07	3.39E-03	1.07E-06	3.11E-07	5.34E-03	1.69E-06	4.90E-07
661	490836.72, 3860035.12	3.15E-03	9.94E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.36E-03	1.69E-06	4.92E-07
662	490086.72, 3860085.12	3.08E-03	9.71E-07	2.82E-07	3.32E-03	1.05E-06	3.05E-07	5.23E-03	1.65E-06	4.80E-07
663	490136.72, 3860085.12	3.05E-03	9.62E-07	2.80E-07	3.29E-03	1.04E-06	3.02E-07	5.18E-03	1.64E-06	4.76E-07
664	490186.72, 3860085.12	3.03E-03	9.57E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.16E-03	1.63E-06	4.74E-07
665	490236.72, 3860085.12	3.02E-03	9.52E-07	2.77E-07	3.25E-03	1.03E-06	2.99E-07	5.13E-03	1.62E-06	4.71E-07
666	490286.72, 3860085.12	3.00E-03	9.48E-07	2.76E-07	3.24E-03	1.02E-06	2.97E-07	5.11E-03	1.61E-06	4.69E-07
667	490336.72, 3860085.12	2.99E-03	9.44E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.09E-03	1.61E-06	4.67E-07

668	490386.72, 3860085.12	2.98E-03	9.41E-07	2.74E-07	3.21E-03	1.01E-06	2.95E-07	5.07E-03	1.60E-06	4.65E-07
669	490436.72, 3860085.12	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.94E-07	5.06E-03	1.60E-06	4.64E-07
670	490486.72, 3860085.12	2.97E-03	9.37E-07	2.72E-07	3.20E-03	1.01E-06	2.94E-07	5.05E-03	1.59E-06	4.63E-07
671	490536.72, 3860085.12	2.97E-03	9.37E-07	2.73E-07	3.20E-03	1.01E-06	2.94E-07	5.05E-03	1.59E-06	4.64E-07
672	490586.72, 3860085.12	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.94E-07	5.06E-03	1.60E-06	4.64E-07
673	490636.72, 3860085.12	2.98E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.06E-03	1.60E-06	4.65E-07
674	490686.72, 3860085.12	2.99E-03	9.42E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.08E-03	1.60E-06	4.66E-07
675	490736.72, 3860085.12	3.00E-03	9.47E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.10E-03	1.61E-06	4.68E-07
676	490786.72, 3860085.12	3.01E-03	9.51E-07	2.77E-07	3.25E-03	1.03E-06	2.98E-07	5.13E-03	1.62E-06	4.71E-07
677	490836.72, 3860085.12	3.02E-03	9.54E-07	2.78E-07	3.26E-03	1.03E-06	2.99E-07	5.14E-03	1.62E-06	4.72E-07
678	490086.72, 3860135.12	2.99E-03	9.45E-07	2.75E-07	3.23E-03	1.02E-06	2.96E-07	5.09E-03	1.61E-06	4.67E-07
679	490136.72, 3860135.12	2.98E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.06E-03	1.60E-06	4.65E-07
680	490186.72, 3860135.12	2.96E-03	9.34E-07	2.72E-07	3.19E-03	1.01E-06	2.93E-07	5.03E-03	1.59E-06	4.62E-07
681	490236.72, 3860135.12	2.94E-03	9.28E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.00E-03	1.58E-06	4.59E-07
682	490286.72, 3860135.12	2.93E-03	9.23E-07	2.69E-07	3.15E-03	9.96E-07	2.90E-07	4.98E-03	1.57E-06	4.57E-07
683	490336.72, 3860135.12	2.91E-03	9.19E-07	2.67E-07	3.14E-03	9.91E-07	2.88E-07	4.95E-03	1.56E-06	4.55E-07
684	490386.72, 3860135.12	2.90E-03	9.15E-07	2.66E-07	3.13E-03	9.87E-07	2.87E-07	4.93E-03	1.56E-06	4.53E-07
685	490436.72, 3860135.12	2.89E-03	9.11E-07	2.65E-07	3.11E-03	9.83E-07	2.86E-07	4.91E-03	1.55E-06	4.51E-07
686	490486.72, 3860135.12	2.88E-03	9.09E-07	2.64E-07	3.11E-03	9.80E-07	2.85E-07	4.90E-03	1.55E-06	4.50E-07
687	490536.72, 3860135.12	2.88E-03	9.08E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.89E-03	1.54E-06	4.49E-07
688	490586.72, 3860135.12	2.88E-03	9.07E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.89E-03	1.54E-06	4.49E-07
689	490636.72, 3860135.12	2.88E-03	9.08E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.89E-03	1.54E-06	4.49E-07
690	490686.72, 3860135.12	2.88E-03	9.08E-07	2.64E-07	3.10E-03	9.80E-07	2.85E-07	4.90E-03	1.55E-06	4.50E-07
691	490736.72, 3860135.12	2.89E-03	9.11E-07	2.65E-07	3.11E-03	9.82E-07	2.86E-07	4.91E-03	1.55E-06	4.51E-07
692	490786.72, 3860135.12	2.90E-03	9.14E-07	2.66E-07	3.12E-03	9.86E-07	2.87E-07	4.93E-03	1.56E-06	4.53E-07
693	490836.72, 3860135.12	2.90E-03	9.17E-07	2.67E-07	3.13E-03	9.89E-07	2.88E-07	4.94E-03	1.56E-06	4.54E-07
694	490086.72, 3860185.12	2.92E-03	9.23E-07	2.68E-07	3.15E-03	9.95E-07	2.89E-07	4.97E-03	1.57E-06	4.57E-07
695	490136.72, 3860185.12	2.91E-03	9.18E-07	2.67E-07	3.14E-03	9.90E-07	2.88E-07	4.95E-03	1.56E-06	4.54E-07
696	490186.72, 3860185.12	2.89E-03	9.13E-07	2.65E-07	3.12E-03	9.84E-07	2.86E-07	4.92E-03	1.55E-06	4.52E-07
697	490236.72, 3860185.12	2.87E-03	9.07E-07	2.64E-07	3.10E-03	9.78E-07	2.84E-07	4.89E-03	1.54E-06	4.49E-07
698	490286.72, 3860185.12	2.86E-03	9.01E-07	2.62E-07	3.08E-03	9.72E-07	2.83E-07	4.86E-03	1.53E-06	4.46E-07
699	490336.72, 3860185.12	2.84E-03	8.96E-07	2.61E-07	3.06E-03	9.66E-07	2.81E-07	4.83E-03	1.52E-06	4.43E-07
700	490386.72, 3860185.12	2.82E-03	8.91E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.81E-03	1.52E-06	4.41E-07
701	490436.72, 3860185.12	2.81E-03	8.87E-07	2.58E-07	3.03E-03	9.57E-07	2.78E-07	4.78E-03	1.51E-06	4.39E-07
702	490486.72, 3860185.12	2.80E-03	8.84E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.77E-03	1.50E-06	4.38E-07
703	490536.72, 3860185.12	2.79E-03	8.82E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.75E-03	1.50E-06	4.36E-07
704	490586.72, 3860185.12	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.75E-03	1.50E-06	4.36E-07
705	490636.72, 3860185.12	2.79E-03	8.79E-07	2.56E-07	3.00E-03	9.48E-07	2.76E-07	4.74E-03	1.50E-06	4.35E-07
706	490686.72, 3860185.12	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.49E-07	2.76E-07	4.74E-03	1.50E-06	4.35E-07
707	490736.72, 3860185.12	2.79E-03	8.79E-07	2.56E-07	3.01E-03	9.48E-07	2.76E-07	4.74E-03	1.50E-06	4.35E-07
708	490786.72, 3860185.12	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.75E-03	1.50E-06	4.36E-07
709	490836.72, 3860185.12	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.76E-03	1.50E-06	4.37E-07
710	490086.72, 3860235.12	2.86E-03	9.03E-07	2.63E-07	3.08E-03	9.74E-07	2.83E-07	4.87E-03	1.54E-06	4.47E-07
711	490136.72, 3860235.12	2.84E-03	8.98E-07	2.61E-07	3.07E-03	9.68E-07	2.82E-07	4.84E-03	1.53E-06	4.44E-07
712	490186.72, 3860235.12	2.83E-03	8.92E-07	2.60E-07	3.05E-03	9.63E-07	2.80E-07	4.81E-03	1.52E-06	4.42E-07
713	490236.72, 3860235.12	2.81E-03	8.87E-07	2.58E-07	3.03E-03	9.56E-07	2.78E-07	4.78E-03	1.51E-06	4.39E-07
714	490286.72, 3860235.12	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.75E-03	1.50E-06	4.36E-07
715	490336.72, 3860235.12	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.44E-07	2.75E-07	4.72E-03	1.49E-06	4.33E-07
716	490386.72, 3860235.12	2.76E-03	8.70E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.69E-03	1.48E-06	4.31E-07
717	490436.72, 3860235.12	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.34E-07	2.72E-07	4.67E-03	1.47E-06	4.29E-07
718	490486.72, 3860235.12	2.73E-03	8.62E-07	2.51E-07	2.94E-03	9.29E-07	2.70E-07	4.65E-03	1.47E-06	4.27E-07
719	490536.72, 3860235.12	2.72E-03	8.59E-07	2.50E-07	2.93E-03	9.26E-07	2.69E-07	4.63E-03	1.46E-06	4.25E-07
720	490586.72, 3860235.12	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.62E-03	1.46E-06	4.24E-07
721	490636.72, 3860235.12	2.71E-03	8.54E-07	2.49E-07	2.92E-03	9.22E-07	2.68E-07	4.61E-03	1.45E-06	4.23E-07
722	490686.72, 3860235.12	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.20E-07	2.68E-07	4.60E-03	1.45E-06	4.23E-07
723	490736.72, 3860235.12	2.70E-03	8.53E-07	2.48E-07	2.91E-03	9.20E-07	2.68E-07	4.60E-03	1.45E-06	4.22E-07
724	490786.72, 3860235.12	2.70E-03	8.53E-07	2.48E-07	2.91E-03	9.20E-07	2.68E-07	4.60E-03	1.45E-06	4.22E-07
725	490086.72, 3860285.12	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.52E-07	2.77E-07	4.76E-03	1.50E-06	4.37E-07
726	490136.72, 3860285.12	2.78E-03	8.79E-07	2.56E-07	3.00E-03	9.48E-07	2.76E-07	4.74E-03	1.50E-06	4.35E-07
727	490186.72, 3860285.12	2.77E-03	8.73E-07	2.54E-07	2.98E-03	9.42E-07	2.74E-07	4.71E-03	1.49E-06	4.32E-07
728	490236.72, 3860285.12	2.75E-03	8.68E-07	2.52E-07	2.97E-03	9.36E-07	2.72E-07	4.68E-03	1.48E-06	4.30E-07

729	490286.72, 3860285.12	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.30E-07	2.70E-07	4.65E-03	1.47E-06	4.27E-07
730	490336.72, 3860285.12	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.62E-03	1.46E-06	4.24E-07
731	490386.72, 3860285.12	2.70E-03	8.51E-07	2.48E-07	2.91E-03	9.18E-07	2.67E-07	4.59E-03	1.45E-06	4.22E-07
732	490436.72, 3860285.12	2.68E-03	8.46E-07	2.46E-07	2.89E-03	9.13E-07	2.65E-07	4.57E-03	1.44E-06	4.19E-07
733	490486.72, 3860285.12	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.54E-03	1.43E-06	4.17E-07
734	490536.72, 3860285.12	2.65E-03	8.37E-07	2.44E-07	2.86E-03	9.03E-07	2.63E-07	4.52E-03	1.43E-06	4.15E-07
735	490586.72, 3860285.12	2.64E-03	8.34E-07	2.43E-07	2.85E-03	8.99E-07	2.62E-07	4.50E-03	1.42E-06	4.13E-07
736	490636.72, 3860285.12	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.49E-03	1.42E-06	4.12E-07
737	490686.72, 3860285.12	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.48E-03	1.41E-06	4.11E-07
738	490736.72, 3860285.12	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.47E-03	1.41E-06	4.10E-07
739	490786.72, 3860285.12	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.93E-07	2.60E-07	4.47E-03	1.41E-06	4.10E-07
740	490086.72, 3860335.12	2.74E-03	8.64E-07	2.51E-07	2.95E-03	9.32E-07	2.71E-07	4.66E-03	1.47E-06	4.28E-07
741	490136.72, 3860335.12	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.64E-03	1.46E-06	4.26E-07
742	490186.72, 3860335.12	2.71E-03	8.55E-07	2.49E-07	2.92E-03	9.22E-07	2.68E-07	4.61E-03	1.46E-06	4.23E-07
743	490236.72, 3860335.12	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.17E-07	2.67E-07	4.59E-03	1.45E-06	4.21E-07
744	490286.72, 3860335.12	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.11E-07	2.65E-07	4.56E-03	1.44E-06	4.18E-07
745	490336.72, 3860335.12	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.52E-03	1.43E-06	4.15E-07
746	490386.72, 3860335.12	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.50E-03	1.42E-06	4.13E-07
747	490436.72, 3860335.12	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.93E-07	2.60E-07	4.47E-03	1.41E-06	4.10E-07
748	490486.72, 3860335.12	2.61E-03	8.23E-07	2.39E-07	2.81E-03	8.88E-07	2.58E-07	4.44E-03	1.40E-06	4.08E-07
749	490536.72, 3860335.12	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.42E-03	1.39E-06	4.06E-07
750	490586.72, 3860335.12	2.58E-03	8.15E-07	2.37E-07	2.78E-03	8.79E-07	2.56E-07	4.40E-03	1.39E-06	4.04E-07
751	490636.72, 3860335.12	2.57E-03	8.11E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.38E-03	1.38E-06	4.02E-07
752	490686.72, 3860335.12	2.56E-03	8.09E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.36E-03	1.38E-06	4.01E-07
753	490736.72, 3860335.12	2.56E-03	8.06E-07	2.35E-07	2.76E-03	8.70E-07	2.53E-07	4.35E-03	1.37E-06	4.00E-07
754	490786.72, 3860335.12	2.55E-03	8.06E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
755	490086.72, 3860385.12	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.11E-07	2.65E-07	4.56E-03	1.44E-06	4.18E-07
756	490136.72, 3860385.12	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.54E-03	1.43E-06	4.17E-07
757	490186.72, 3860385.12	2.65E-03	8.37E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.52E-03	1.43E-06	4.15E-07
758	490236.72, 3860385.12	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.49E-03	1.42E-06	4.12E-07
759	490286.72, 3860385.12	2.62E-03	8.27E-07	2.41E-07	2.83E-03	8.92E-07	2.60E-07	4.46E-03	1.41E-06	4.10E-07
760	490336.72, 3860385.12	2.60E-03	8.22E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.44E-03	1.40E-06	4.07E-07
761	490386.72, 3860385.12	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.41E-03	1.39E-06	4.04E-07
762	490436.72, 3860385.12	2.57E-03	8.11E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.38E-03	1.38E-06	4.02E-07
763	490486.72, 3860385.12	2.55E-03	8.06E-07	2.35E-07	2.76E-03	8.70E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
764	490536.72, 3860385.12	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.65E-07	2.51E-07	4.33E-03	1.37E-06	3.97E-07
765	490586.72, 3860385.12	2.53E-03	7.97E-07	2.32E-07	2.72E-03	8.60E-07	2.50E-07	4.30E-03	1.36E-06	3.95E-07
766	490636.72, 3860385.12	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.55E-07	2.49E-07	4.28E-03	1.35E-06	3.93E-07
767	490686.72, 3860385.12	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.26E-03	1.35E-06	3.91E-07
768	490736.72, 3860385.12	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.25E-03	1.34E-06	3.90E-07
769	490786.72, 3860385.12	2.49E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.23E-03	1.34E-06	3.89E-07
770	490136.72, 3860435.12	2.61E-03	8.23E-07	2.40E-07	2.81E-03	8.88E-07	2.58E-07	4.44E-03	1.40E-06	4.08E-07
771	490186.72, 3860435.12	2.60E-03	8.20E-07	2.39E-07	2.80E-03	8.84E-07	2.57E-07	4.42E-03	1.40E-06	4.06E-07
772	490236.72, 3860435.12	2.58E-03	8.16E-07	2.37E-07	2.79E-03	8.80E-07	2.56E-07	4.40E-03	1.39E-06	4.04E-07
773	490286.72, 3860435.12	2.57E-03	8.11E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.38E-03	1.38E-06	4.02E-07
774	490336.72, 3860435.12	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
775	490386.72, 3860435.12	2.54E-03	8.00E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.32E-03	1.36E-06	3.97E-07
776	490436.72, 3860435.12	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.58E-07	2.49E-07	4.29E-03	1.35E-06	3.94E-07
777	490486.72, 3860435.12	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.26E-03	1.35E-06	3.91E-07
778	490536.72, 3860435.12	2.49E-03	7.85E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.24E-03	1.34E-06	3.89E-07
779	490586.72, 3860435.12	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.21E-03	1.33E-06	3.87E-07
780	490636.72, 3860435.12	2.46E-03	7.76E-07	2.26E-07	2.65E-03	8.37E-07	2.43E-07	4.19E-03	1.32E-06	3.85E-07
781	490686.72, 3860435.12	2.45E-03	7.72E-07	2.25E-07	2.64E-03	8.33E-07	2.42E-07	4.17E-03	1.32E-06	3.83E-07
782	490736.72, 3860435.12	2.44E-03	7.69E-07	2.24E-07	2.63E-03	8.30E-07	2.41E-07	4.15E-03	1.31E-06	3.81E-07
783	490786.72, 3860435.12	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.26E-07	2.40E-07	4.14E-03	1.31E-06	3.80E-07
784	490136.72, 3860485.12	2.56E-03	8.06E-07	2.35E-07	2.76E-03	8.70E-07	2.53E-07	4.35E-03	1.37E-06	3.99E-07
785	490186.72, 3860485.12	2.54E-03	8.03E-07	2.34E-07	2.74E-03	8.66E-07	2.52E-07	4.33E-03	1.37E-06	3.98E-07
786	490236.72, 3860485.12	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.31E-03	1.36E-06	3.96E-07
787	490286.72, 3860485.12	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.57E-07	2.49E-07	4.29E-03	1.35E-06	3.94E-07
788	490336.72, 3860485.12	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.26E-03	1.35E-06	3.91E-07
789	490386.72, 3860485.12	2.49E-03	7.85E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.24E-03	1.34E-06	3.89E-07

790	490436.72, 3860485.12	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.21E-03	1.33E-06	3.87E-07
791	490486.72, 3860485.12	2.46E-03	7.75E-07	2.26E-07	2.65E-03	8.36E-07	2.43E-07	4.19E-03	1.32E-06	3.84E-07
792	490536.72, 3860485.12	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.30E-07	2.42E-07	4.16E-03	1.31E-06	3.82E-07
793	490586.72, 3860485.12	2.42E-03	7.65E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.13E-03	1.30E-06	3.79E-07
794	490636.72, 3860485.12	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.20E-07	2.39E-07	4.11E-03	1.30E-06	3.77E-07
795	490686.72, 3860485.12	2.40E-03	7.56E-07	2.20E-07	2.58E-03	8.15E-07	2.37E-07	4.08E-03	1.29E-06	3.75E-07
796	490736.72, 3860485.12	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.06E-03	1.28E-06	3.73E-07
797	490786.72, 3860485.12	2.37E-03	7.49E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.04E-03	1.28E-06	3.71E-07
798	490136.72, 3860535.12	2.50E-03	7.89E-07	2.30E-07	2.70E-03	8.51E-07	2.48E-07	4.26E-03	1.34E-06	3.91E-07
799	490186.72, 3860535.12	2.50E-03	7.88E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.25E-03	1.34E-06	3.90E-07
800	490236.72, 3860535.12	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.44E-07	2.46E-07	4.23E-03	1.33E-06	3.88E-07
801	490286.72, 3860535.12	2.47E-03	7.79E-07	2.27E-07	2.66E-03	8.40E-07	2.44E-07	4.20E-03	1.33E-06	3.86E-07
802	490336.72, 3860535.12	2.45E-03	7.75E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.18E-03	1.32E-06	3.84E-07
803	490386.72, 3860535.12	2.44E-03	7.71E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.16E-03	1.31E-06	3.82E-07
804	490436.72, 3860535.12	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.14E-03	1.31E-06	3.80E-07
805	490486.72, 3860535.12	2.41E-03	7.62E-07	2.22E-07	2.60E-03	8.22E-07	2.39E-07	4.11E-03	1.30E-06	3.78E-07
806	490536.72, 3860535.12	2.40E-03	7.58E-07	2.21E-07	2.59E-03	8.18E-07	2.38E-07	4.10E-03	1.29E-06	3.76E-07
807	490586.72, 3860535.12	2.38E-03	7.51E-07	2.18E-07	2.57E-03	8.10E-07	2.36E-07	4.06E-03	1.28E-06	3.72E-07
808	490636.72, 3860535.12	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.05E-07	2.34E-07	4.03E-03	1.27E-06	3.70E-07
809	490686.72, 3860535.12	2.35E-03	7.42E-07	2.16E-07	2.53E-03	8.00E-07	2.33E-07	4.00E-03	1.26E-06	3.68E-07
810	490736.72, 3860535.12	2.34E-03	7.37E-07	2.14E-07	2.52E-03	7.95E-07	2.31E-07	3.98E-03	1.26E-06	3.65E-07
811	490786.72, 3860535.12	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.96E-03	1.25E-06	3.64E-07
812	490136.72, 3860585.12	2.45E-03	7.73E-07	2.25E-07	2.64E-03	8.34E-07	2.43E-07	4.17E-03	1.32E-06	3.83E-07
813	490186.72, 3860585.12	2.43E-03	7.68E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.14E-03	1.31E-06	3.80E-07
814	490236.72, 3860585.12	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.26E-07	2.40E-07	4.13E-03	1.30E-06	3.80E-07
815	490286.72, 3860585.12	2.42E-03	7.63E-07	2.22E-07	2.61E-03	8.23E-07	2.40E-07	4.12E-03	1.30E-06	3.78E-07
816	490336.72, 3860585.12	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.20E-07	2.38E-07	4.10E-03	1.29E-06	3.77E-07
817	490386.72, 3860585.12	2.39E-03	7.56E-07	2.20E-07	2.58E-03	8.15E-07	2.37E-07	4.08E-03	1.29E-06	3.75E-07
818	490436.72, 3860585.12	2.39E-03	7.53E-07	2.19E-07	2.58E-03	8.13E-07	2.36E-07	4.07E-03	1.28E-06	3.74E-07
819	490486.72, 3860585.12	2.38E-03	7.50E-07	2.18E-07	2.56E-03	8.10E-07	2.35E-07	4.05E-03	1.28E-06	3.72E-07
820	490536.72, 3860585.12	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.02E-03	1.27E-06	3.69E-07
821	490586.72, 3860585.12	2.34E-03	7.37E-07	2.14E-07	2.52E-03	7.95E-07	2.31E-07	3.98E-03	1.26E-06	3.65E-07
822	490636.72, 3860585.12	2.32E-03	7.32E-07	2.13E-07	2.50E-03	7.90E-07	2.30E-07	3.96E-03	1.25E-06	3.63E-07
823	490686.72, 3860585.12	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.85E-07	2.28E-07	3.93E-03	1.24E-06	3.61E-07
824	490736.72, 3860585.12	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.80E-07	2.27E-07	3.91E-03	1.23E-06	3.59E-07
825	490786.72, 3860585.12	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.88E-03	1.23E-06	3.56E-07
826	490136.72, 3860635.12	2.40E-03	7.59E-07	2.21E-07	2.59E-03	8.19E-07	2.38E-07	4.10E-03	1.29E-06	3.76E-07
827	490186.72, 3860635.12	2.39E-03	7.55E-07	2.20E-07	2.58E-03	8.14E-07	2.37E-07	4.07E-03	1.29E-06	3.74E-07
828	490236.72, 3860635.12	2.38E-03	7.50E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.05E-03	1.28E-06	3.72E-07
829	490286.72, 3860635.12	2.37E-03	7.47E-07	2.17E-07	2.55E-03	8.06E-07	2.35E-07	4.04E-03	1.27E-06	3.70E-07
830	490336.72, 3860635.12	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.03E-07	2.34E-07	4.02E-03	1.27E-06	3.69E-07
831	490386.72, 3860635.12	2.35E-03	7.41E-07	2.16E-07	2.53E-03	8.00E-07	2.33E-07	4.00E-03	1.26E-06	3.68E-07
832	490436.72, 3860635.12	2.34E-03	7.38E-07	2.15E-07	2.52E-03	7.96E-07	2.31E-07	3.98E-03	1.26E-06	3.66E-07
833	490486.72, 3860635.12	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.96E-03	1.25E-06	3.64E-07
834	490536.72, 3860635.12	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.94E-03	1.24E-06	3.62E-07
835	490586.72, 3860635.12	2.30E-03	7.25E-07	2.11E-07	2.48E-03	7.82E-07	2.27E-07	3.91E-03	1.24E-06	3.59E-07
836	490636.72, 3860635.12	2.28E-03	7.20E-07	2.09E-07	2.46E-03	7.77E-07	2.26E-07	3.89E-03	1.23E-06	3.57E-07
837	490686.72, 3860635.12	2.27E-03	7.15E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.86E-03	1.22E-06	3.55E-07
838	490736.72, 3860635.12	2.25E-03	7.10E-07	2.07E-07	2.43E-03	7.66E-07	2.23E-07	3.84E-03	1.21E-06	3.52E-07
839	490786.72, 3860635.12	2.24E-03	7.06E-07	2.05E-07	2.41E-03	7.61E-07	2.21E-07	3.81E-03	1.20E-06	3.50E-07
840	490136.72, 3860685.12	2.35E-03	7.41E-07	2.16E-07	2.53E-03	7.99E-07	2.32E-07	4.00E-03	1.26E-06	3.67E-07
841	490186.72, 3860685.12	2.35E-03	7.42E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.01E-03	1.27E-06	3.68E-07
842	490236.72, 3860685.12	2.34E-03	7.37E-07	2.15E-07	2.52E-03	7.95E-07	2.31E-07	3.98E-03	1.26E-06	3.66E-07
843	490286.72, 3860685.12	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.89E-07	2.29E-07	3.95E-03	1.25E-06	3.63E-07
844	490336.72, 3860685.12	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.94E-03	1.24E-06	3.62E-07
845	490386.72, 3860685.12	2.30E-03	7.27E-07	2.12E-07	2.49E-03	7.85E-07	2.28E-07	3.93E-03	1.24E-06	3.61E-07
846	490436.72, 3860685.12	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.80E-07	2.27E-07	3.91E-03	1.23E-06	3.59E-07
847	490486.72, 3860685.12	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.88E-03	1.23E-06	3.57E-07
848	490536.72, 3860685.12	2.27E-03	7.15E-07	2.08E-07	2.45E-03	7.72E-07	2.24E-07	3.86E-03	1.22E-06	3.55E-07
849	490586.72, 3860685.12	2.25E-03	7.11E-07	2.07E-07	2.43E-03	7.67E-07	2.23E-07	3.84E-03	1.21E-06	3.53E-07
850	490636.72, 3860685.12	2.24E-03	7.07E-07	2.06E-07	2.42E-03	7.63E-07	2.22E-07	3.82E-03	1.21E-06	3.51E-07

851	490686.72, 3860685.12	2.23E-03	7.03E-07	2.05E-07	2.40E-03	7.59E-07	2.21E-07	3.80E-03	1.20E-06	3.49E-07
852	490736.72, 3860685.12	2.21E-03	6.99E-07	2.03E-07	2.39E-03	7.54E-07	2.19E-07	3.77E-03	1.19E-06	3.46E-07
853	490786.72, 3860685.12	2.20E-03	6.95E-07	2.02E-07	2.38E-03	7.50E-07	2.18E-07	3.75E-03	1.18E-06	3.45E-07
854	490136.72, 3860735.12	2.28E-03	7.20E-07	2.10E-07	2.46E-03	7.77E-07	2.26E-07	3.89E-03	1.23E-06	3.57E-07
855	490186.72, 3860735.12	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.75E-07	2.26E-07	3.88E-03	1.22E-06	3.56E-07
856	490236.72, 3860735.12	2.27E-03	7.18E-07	2.09E-07	2.45E-03	7.74E-07	2.25E-07	3.87E-03	1.22E-06	3.56E-07
857	490286.72, 3860735.12	2.27E-03	7.16E-07	2.08E-07	2.45E-03	7.73E-07	2.25E-07	3.87E-03	1.22E-06	3.55E-07
858	490336.72, 3860735.12	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.86E-03	1.22E-06	3.54E-07
859	490386.72, 3860735.12	2.26E-03	7.13E-07	2.07E-07	2.44E-03	7.69E-07	2.24E-07	3.85E-03	1.21E-06	3.53E-07
860	490436.72, 3860735.12	2.26E-03	7.12E-07	2.07E-07	2.43E-03	7.68E-07	2.23E-07	3.84E-03	1.21E-06	3.53E-07
861	490486.72, 3860735.12	2.24E-03	7.07E-07	2.06E-07	2.42E-03	7.63E-07	2.22E-07	3.82E-03	1.21E-06	3.51E-07
862	490536.72, 3860735.12	2.22E-03	7.02E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.79E-03	1.20E-06	3.48E-07
863	490586.72, 3860735.12	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.77E-03	1.19E-06	3.46E-07
864	490636.72, 3860735.12	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.75E-03	1.18E-06	3.44E-07
865	490686.72, 3860735.12	2.19E-03	6.91E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.73E-03	1.18E-06	3.43E-07
866	490736.72, 3860735.12	2.18E-03	6.87E-07	2.00E-07	2.35E-03	7.42E-07	2.16E-07	3.71E-03	1.17E-06	3.41E-07
867	490136.72, 3860785.12	2.22E-03	7.01E-07	2.04E-07	2.40E-03	7.56E-07	2.20E-07	3.78E-03	1.19E-06	3.47E-07
868	490186.72, 3860785.12	2.22E-03	7.01E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.79E-03	1.19E-06	3.48E-07
869	490236.72, 3860785.12	2.22E-03	7.01E-07	2.04E-07	2.39E-03	7.56E-07	2.20E-07	3.78E-03	1.19E-06	3.47E-07
870	490286.72, 3860785.12	2.22E-03	7.00E-07	2.04E-07	2.39E-03	7.55E-07	2.20E-07	3.78E-03	1.19E-06	3.47E-07
871	490336.72, 3860785.12	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.77E-03	1.19E-06	3.46E-07
872	490386.72, 3860785.12	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.77E-03	1.19E-06	3.46E-07
873	490436.72, 3860785.12	2.20E-03	6.96E-07	2.02E-07	2.38E-03	7.50E-07	2.18E-07	3.76E-03	1.19E-06	3.45E-07
874	490486.72, 3860785.12	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.75E-03	1.18E-06	3.44E-07
875	490536.72, 3860785.12	2.19E-03	6.90E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.73E-03	1.18E-06	3.42E-07
876	490586.72, 3860785.12	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.70E-03	1.17E-06	3.40E-07
877	490636.72, 3860785.12	2.16E-03	6.81E-07	1.98E-07	2.33E-03	7.35E-07	2.14E-07	3.68E-03	1.16E-06	3.38E-07
878	490686.72, 3860785.12	2.15E-03	6.78E-07	1.97E-07	2.32E-03	7.31E-07	2.13E-07	3.66E-03	1.16E-06	3.36E-07
879	490736.72, 3860785.12	2.14E-03	6.75E-07	1.96E-07	2.31E-03	7.28E-07	2.12E-07	3.65E-03	1.15E-06	3.35E-07
880	490086.72, 3860835.12	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.37E-07	2.14E-07	3.69E-03	1.16E-06	3.39E-07
881	490136.72, 3860835.12	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.70E-03	1.17E-06	3.39E-07
882	490186.72, 3860835.12	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.70E-03	1.17E-06	3.39E-07
883	490236.72, 3860835.12	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.38E-07	2.15E-07	3.69E-03	1.17E-06	3.39E-07
884	490286.72, 3860835.12	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.38E-07	2.15E-07	3.69E-03	1.17E-06	3.39E-07
885	490336.72, 3860835.12	2.16E-03	6.83E-07	1.99E-07	2.33E-03	7.37E-07	2.14E-07	3.69E-03	1.16E-06	3.39E-07
886	490386.72, 3860835.12	2.16E-03	6.82E-07	1.98E-07	2.33E-03	7.36E-07	2.14E-07	3.68E-03	1.16E-06	3.38E-07
887	490436.72, 3860835.12	2.16E-03	6.81E-07	1.98E-07	2.33E-03	7.35E-07	2.14E-07	3.68E-03	1.16E-06	3.38E-07
888	490486.72, 3860835.12	2.15E-03	6.79E-07	1.98E-07	2.32E-03	7.33E-07	2.13E-07	3.67E-03	1.16E-06	3.37E-07
889	490536.72, 3860835.12	2.14E-03	6.77E-07	1.97E-07	2.31E-03	7.30E-07	2.12E-07	3.66E-03	1.15E-06	3.36E-07
890	490586.72, 3860835.12	2.13E-03	6.73E-07	1.96E-07	2.30E-03	7.26E-07	2.11E-07	3.64E-03	1.15E-06	3.34E-07
891	490636.72, 3860835.12	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.22E-07	2.10E-07	3.62E-03	1.14E-06	3.32E-07
892	490686.72, 3860835.12	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.18E-07	2.09E-07	3.60E-03	1.14E-06	3.30E-07
893	490736.72, 3860835.12	2.10E-03	6.63E-07	1.93E-07	2.27E-03	7.15E-07	2.08E-07	3.58E-03	1.13E-06	3.29E-07
894	490086.72, 3860885.12	2.12E-03	6.68E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.60E-03	1.14E-06	3.31E-07
895	490136.72, 3860885.12	2.12E-03	6.69E-07	1.94E-07	2.28E-03	7.21E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
896	490186.72, 3860885.12	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.21E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
897	490236.72, 3860885.12	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.22E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
898	490286.72, 3860885.12	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.21E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
899	490336.72, 3860885.12	2.12E-03	6.68E-07	1.94E-07	2.28E-03	7.20E-07	2.10E-07	3.61E-03	1.14E-06	3.31E-07
900	490386.72, 3860885.12	2.11E-03	6.68E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.60E-03	1.14E-06	3.31E-07
901	490436.72, 3860885.12	2.11E-03	6.67E-07	1.94E-07	2.28E-03	7.19E-07	2.09E-07	3.60E-03	1.14E-06	3.31E-07
902	490486.72, 3860885.12	2.11E-03	6.66E-07	1.94E-07	2.27E-03	7.18E-07	2.09E-07	3.60E-03	1.13E-06	3.30E-07
903	490536.72, 3860885.12	2.10E-03	6.63E-07	1.93E-07	2.27E-03	7.16E-07	2.08E-07	3.58E-03	1.13E-06	3.29E-07
904	490586.72, 3860885.12	2.09E-03	6.61E-07	1.92E-07	2.26E-03	7.13E-07	2.07E-07	3.57E-03	1.13E-06	3.28E-07
905	490636.72, 3860885.12	2.08E-03	6.57E-07	1.91E-07	2.25E-03	7.09E-07	2.06E-07	3.55E-03	1.12E-06	3.26E-07
906	490686.72, 3860885.12	2.07E-03	6.54E-07	1.90E-07	2.24E-03	7.05E-07	2.05E-07	3.53E-03	1.12E-06	3.24E-07
907	490736.72, 3860885.12	2.06E-03	6.51E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.52E-03	1.11E-06	3.23E-07
908	490086.72, 3860935.12	2.06E-03	6.51E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.51E-03	1.11E-06	3.22E-07
909	490136.72, 3860935.12	2.06E-03	6.51E-07	1.89E-07	2.23E-03	7.03E-07	2.04E-07	3.51E-03	1.11E-06	3.23E-07
910	490186.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.04E-07	2.05E-07	3.52E-03	1.11E-06	3.23E-07
911	490236.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07

912	490286.72, 3860935.12	2.07E-03	6.54E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
913	490336.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
914	490386.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
915	490436.72, 3860935.12	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
916	490486.72, 3860935.12	2.07E-03	6.52E-07	1.90E-07	2.23E-03	7.03E-07	2.05E-07	3.52E-03	1.11E-06	3.23E-07
917	490536.72, 3860935.12	2.06E-03	6.51E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.51E-03	1.11E-06	3.23E-07
918	490586.72, 3860935.12	2.05E-03	6.48E-07	1.89E-07	2.22E-03	6.99E-07	2.03E-07	3.50E-03	1.11E-06	3.22E-07
919	490636.72, 3860935.12	2.04E-03	6.45E-07	1.88E-07	2.21E-03	6.96E-07	2.03E-07	3.49E-03	1.10E-06	3.20E-07
920	490686.72, 3860935.12	2.04E-03	6.43E-07	1.87E-07	2.20E-03	6.93E-07	2.02E-07	3.47E-03	1.10E-06	3.19E-07
921	490736.72, 3860935.12	2.03E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.46E-03	1.09E-06	3.17E-07
922	490786.72, 3860935.12	2.02E-03	6.36E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
923	490836.72, 3860935.12	2.01E-03	6.34E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.43E-03	1.08E-06	3.14E-07
924	490086.72, 3860985.12	2.01E-03	6.36E-07	1.85E-07	2.17E-03	6.85E-07	1.99E-07	3.43E-03	1.08E-06	3.15E-07
925	490136.72, 3860985.12	2.02E-03	6.37E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.43E-03	1.08E-06	3.15E-07
926	490186.72, 3860985.12	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.88E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
927	490236.72, 3860985.12	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.88E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
928	490286.72, 3860985.12	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.45E-03	1.09E-06	3.16E-07
929	490336.72, 3860985.12	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.45E-03	1.09E-06	3.17E-07
930	490386.72, 3860985.12	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.89E-07	2.01E-07	3.45E-03	1.09E-06	3.17E-07
931	490436.72, 3860985.12	2.03E-03	6.40E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.45E-03	1.09E-06	3.17E-07
932	490486.72, 3860985.12	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.45E-03	1.09E-06	3.17E-07
933	490536.72, 3860985.12	2.02E-03	6.37E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.44E-03	1.09E-06	3.16E-07
934	490586.72, 3860985.12	2.01E-03	6.36E-07	1.85E-07	2.17E-03	6.86E-07	1.99E-07	3.43E-03	1.08E-06	3.15E-07
935	490636.72, 3860985.12	2.01E-03	6.34E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.43E-03	1.08E-06	3.14E-07
936	490686.72, 3860985.12	2.00E-03	6.31E-07	1.84E-07	2.16E-03	6.81E-07	1.98E-07	3.41E-03	1.08E-06	3.13E-07
937	490736.72, 3860985.12	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.40E-03	1.07E-06	3.12E-07
938	490786.72, 3860985.12	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
939	490836.72, 3860985.12	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.72E-07	1.95E-07	3.37E-03	1.06E-06	3.09E-07
940	490086.72, 3861035.12	1.97E-03	6.20E-07	1.80E-07	2.12E-03	6.69E-07	1.95E-07	3.35E-03	1.06E-06	3.07E-07
941	490136.72, 3861035.12	1.97E-03	6.22E-07	1.81E-07	2.12E-03	6.70E-07	1.95E-07	3.35E-03	1.06E-06	3.08E-07
942	490186.72, 3861035.12	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.71E-07	1.95E-07	3.36E-03	1.06E-06	3.08E-07
943	490236.72, 3861035.12	1.98E-03	6.24E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.37E-03	1.06E-06	3.09E-07
944	490286.72, 3861035.12	1.98E-03	6.24E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.37E-03	1.06E-06	3.09E-07
945	490336.72, 3861035.12	1.98E-03	6.24E-07	1.82E-07	2.13E-03	6.73E-07	1.96E-07	3.37E-03	1.06E-06	3.09E-07
946	490386.72, 3861035.12	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
947	490436.72, 3861035.12	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
948	490486.72, 3861035.12	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
949	490536.72, 3861035.12	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.74E-07	1.96E-07	3.38E-03	1.07E-06	3.10E-07
950	490586.72, 3861035.12	1.98E-03	6.23E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.37E-03	1.06E-06	3.09E-07
951	490636.72, 3861035.12	1.97E-03	6.22E-07	1.81E-07	2.12E-03	6.71E-07	1.95E-07	3.36E-03	1.06E-06	3.08E-07
952	490686.72, 3861035.12	1.96E-03	6.20E-07	1.80E-07	2.12E-03	6.68E-07	1.94E-07	3.35E-03	1.06E-06	3.07E-07
953	490736.72, 3861035.12	1.96E-03	6.17E-07	1.79E-07	2.11E-03	6.66E-07	1.94E-07	3.34E-03	1.05E-06	3.06E-07
954	490786.72, 3861035.12	1.95E-03	6.15E-07	1.79E-07	2.10E-03	6.63E-07	1.93E-07	3.32E-03	1.05E-06	3.05E-07
955	490836.72, 3861035.12	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
956	490086.72, 3861085.12	1.92E-03	6.06E-07	1.76E-07	2.07E-03	6.53E-07	1.90E-07	3.27E-03	1.03E-06	3.00E-07
957	490136.72, 3861085.12	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.55E-07	1.91E-07	3.28E-03	1.03E-06	3.01E-07
958	490186.72, 3861085.12	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
959	490236.72, 3861085.12	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.58E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
960	490286.72, 3861085.12	1.93E-03	6.10E-07	1.78E-07	2.09E-03	6.58E-07	1.92E-07	3.29E-03	1.04E-06	3.02E-07
961	490336.72, 3861085.12	1.94E-03	6.11E-07	1.78E-07	2.09E-03	6.59E-07	1.92E-07	3.30E-03	1.04E-06	3.03E-07
962	490386.72, 3861085.12	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.30E-03	1.04E-06	3.03E-07
963	490436.72, 3861085.12	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
964	490486.72, 3861085.12	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
965	490536.72, 3861085.12	1.94E-03	6.13E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
966	490586.72, 3861085.12	1.94E-03	6.11E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.30E-03	1.04E-06	3.03E-07
967	490636.72, 3861085.12	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.58E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
968	490686.72, 3861085.12	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
969	490736.72, 3861085.12	1.92E-03	6.06E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.28E-03	1.03E-06	3.01E-07
970	490786.72, 3861085.12	1.91E-03	6.04E-07	1.76E-07	2.07E-03	6.52E-07	1.90E-07	3.27E-03	1.03E-06	3.00E-07
971	490836.72, 3861085.12	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.25E-03	1.03E-06	2.99E-07
972	490086.72, 3861135.12	1.87E-03	5.91E-07	1.72E-07	2.02E-03	6.38E-07	1.86E-07	3.19E-03	1.01E-06	2.93E-07

973	490136.72, 3861135.12	1.88E-03	5.93E-07	1.73E-07	2.03E-03	6.40E-07	1.86E-07	3.20E-03	1.01E-06	2.94E-07
974	490186.72, 3861135.12	1.89E-03	5.95E-07	1.73E-07	2.03E-03	6.42E-07	1.87E-07	3.21E-03	1.01E-06	2.95E-07
975	490236.72, 3861135.12	1.89E-03	5.96E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.22E-03	1.02E-06	2.95E-07
976	490286.72, 3861135.12	1.89E-03	5.97E-07	1.74E-07	2.04E-03	6.44E-07	1.87E-07	3.22E-03	1.02E-06	2.96E-07
977	490336.72, 3861135.12	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.23E-03	1.02E-06	2.96E-07
978	490386.72, 3861135.12	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.46E-07	1.88E-07	3.23E-03	1.02E-06	2.97E-07
979	490436.72, 3861135.12	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.46E-07	1.88E-07	3.23E-03	1.02E-06	2.97E-07
980	490486.72, 3861135.12	1.90E-03	6.00E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.24E-03	1.02E-06	2.97E-07
981	490536.72, 3861135.12	1.90E-03	6.00E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.24E-03	1.02E-06	2.97E-07
982	490586.72, 3861135.12	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.46E-07	1.88E-07	3.24E-03	1.02E-06	2.97E-07
983	490636.72, 3861135.12	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.23E-03	1.02E-06	2.97E-07
984	490686.72, 3861135.12	1.89E-03	5.97E-07	1.74E-07	2.04E-03	6.44E-07	1.87E-07	3.22E-03	1.02E-06	2.96E-07
985	490736.72, 3861135.12	1.89E-03	5.95E-07	1.73E-07	2.04E-03	6.42E-07	1.87E-07	3.22E-03	1.02E-06	2.95E-07
986	490786.72, 3861135.12	1.88E-03	5.94E-07	1.73E-07	2.03E-03	6.41E-07	1.86E-07	3.21E-03	1.01E-06	2.95E-07
987	490836.72, 3861135.12	1.87E-03	5.92E-07	1.72E-07	2.02E-03	6.38E-07	1.86E-07	3.20E-03	1.01E-06	2.94E-07
988	490086.72, 3861185.12	1.83E-03	5.78E-07	1.68E-07	1.97E-03	6.23E-07	1.81E-07	3.11E-03	9.83E-07	2.86E-07
989	490136.72, 3861185.12	1.83E-03	5.79E-07	1.68E-07	1.98E-03	6.24E-07	1.82E-07	3.12E-03	9.85E-07	2.86E-07
990	490186.72, 3861185.12	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.13E-03	9.88E-07	2.87E-07
991	490236.72, 3861185.12	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.28E-07	1.83E-07	3.14E-03	9.91E-07	2.88E-07
992	490286.72, 3861185.12	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.30E-07	1.83E-07	3.15E-03	9.94E-07	2.89E-07
993	490336.72, 3861185.12	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.30E-07	1.83E-07	3.15E-03	9.94E-07	2.89E-07
994	490386.72, 3861185.12	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.31E-07	1.83E-07	3.16E-03	9.96E-07	2.90E-07
995	490436.72, 3861185.12	1.86E-03	5.86E-07	1.70E-07	2.00E-03	6.32E-07	1.84E-07	3.16E-03	9.99E-07	2.90E-07
996	490486.72, 3861185.12	1.86E-03	5.87E-07	1.71E-07	2.00E-03	6.33E-07	1.84E-07	3.17E-03	1.00E-06	2.91E-07
997	490536.72, 3861185.12	1.86E-03	5.88E-07	1.71E-07	2.01E-03	6.34E-07	1.84E-07	3.18E-03	1.00E-06	2.92E-07
998	490586.72, 3861185.12	1.86E-03	5.87E-07	1.71E-07	2.01E-03	6.34E-07	1.84E-07	3.17E-03	1.00E-06	2.91E-07
999	490636.72, 3861185.12	1.86E-03	5.86E-07	1.70E-07	2.00E-03	6.32E-07	1.84E-07	3.17E-03	9.99E-07	2.91E-07
1000	490686.72, 3861185.12	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.31E-07	1.84E-07	3.16E-03	9.98E-07	2.90E-07
1001	490736.72, 3861185.12	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.31E-07	1.83E-07	3.16E-03	9.97E-07	2.90E-07
1002	490786.72, 3861185.12	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.30E-07	1.83E-07	3.15E-03	9.96E-07	2.90E-07
1003	490836.72, 3861185.12	1.84E-03	5.82E-07	1.69E-07	1.99E-03	6.28E-07	1.83E-07	3.15E-03	9.93E-07	2.89E-07
1004	490086.72, 3861235.12	1.79E-03	5.64E-07	1.64E-07	1.93E-03	6.09E-07	1.77E-07	3.04E-03	9.60E-07	2.79E-07
1005	490136.72, 3861235.12	1.79E-03	5.65E-07	1.64E-07	1.93E-03	6.10E-07	1.77E-07	3.05E-03	9.62E-07	2.80E-07
1006	490186.72, 3861235.12	1.80E-03	5.67E-07	1.65E-07	1.94E-03	6.11E-07	1.78E-07	3.06E-03	9.65E-07	2.81E-07
1007	490236.72, 3861235.12	1.80E-03	5.68E-07	1.65E-07	1.94E-03	6.12E-07	1.78E-07	3.06E-03	9.67E-07	2.81E-07
1008	490386.72, 3861235.12	1.81E-03	5.71E-07	1.66E-07	1.95E-03	6.16E-07	1.79E-07	3.08E-03	9.73E-07	2.83E-07
1009	490436.72, 3861235.12	1.81E-03	5.72E-07	1.66E-07	1.95E-03	6.17E-07	1.79E-07	3.09E-03	9.74E-07	2.83E-07
1010	490486.72, 3861235.12	1.81E-03	5.73E-07	1.67E-07	1.96E-03	6.18E-07	1.80E-07	3.09E-03	9.76E-07	2.84E-07
1011	490536.72, 3861235.12	1.82E-03	5.75E-07	1.67E-07	1.96E-03	6.20E-07	1.80E-07	3.11E-03	9.80E-07	2.85E-07
1012	490586.72, 3861235.12	1.83E-03	5.76E-07	1.68E-07	1.97E-03	6.21E-07	1.81E-07	3.11E-03	9.82E-07	2.86E-07
1013	490636.72, 3861235.12	1.82E-03	5.74E-07	1.67E-07	1.96E-03	6.19E-07	1.80E-07	3.10E-03	9.79E-07	2.85E-07
1014	490686.72, 3861235.12	1.82E-03	5.74E-07	1.67E-07	1.96E-03	6.19E-07	1.80E-07	3.10E-03	9.78E-07	2.85E-07
1015	490736.72, 3861235.12	1.82E-03	5.74E-07	1.67E-07	1.96E-03	6.19E-07	1.80E-07	3.10E-03	9.78E-07	2.85E-07
1016	490786.72, 3861235.12	1.82E-03	5.73E-07	1.67E-07	1.96E-03	6.18E-07	1.80E-07	3.10E-03	9.78E-07	2.84E-07
1017	490836.72, 3861235.12	1.81E-03	5.72E-07	1.66E-07	1.96E-03	6.17E-07	1.80E-07	3.09E-03	9.76E-07	2.84E-07
1018	490086.72, 3861285.12	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.95E-07	1.73E-07	2.98E-03	9.39E-07	2.73E-07
1019	490136.72, 3861285.12	1.76E-03	5.54E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	2.99E-03	9.43E-07	2.74E-07
1020	490186.72, 3861285.12	1.76E-03	5.54E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	2.99E-03	9.44E-07	2.74E-07
1021	490236.72, 3861285.12	1.76E-03	5.55E-07	1.62E-07	1.90E-03	5.99E-07	1.74E-07	3.00E-03	9.45E-07	2.75E-07
1022	490386.72, 3861285.12	1.77E-03	5.59E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.01E-03	9.51E-07	2.77E-07
1023	490436.72, 3861285.12	1.77E-03	5.60E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.02E-03	9.54E-07	2.77E-07
1024	490486.72, 3861285.12	1.78E-03	5.60E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.03E-03	9.55E-07	2.78E-07
1025	490536.72, 3861285.12	1.78E-03	5.61E-07	1.63E-07	1.92E-03	6.06E-07	1.76E-07	3.03E-03	9.57E-07	2.78E-07
1026	490586.72, 3861285.12	1.78E-03	5.62E-07	1.64E-07	1.92E-03	6.07E-07	1.76E-07	3.04E-03	9.59E-07	2.79E-07
1027	490636.72, 3861285.12	1.78E-03	5.62E-07	1.63E-07	1.92E-03	6.06E-07	1.76E-07	3.04E-03	9.58E-07	2.79E-07
1028	490686.72, 3861285.12	1.78E-03	5.62E-07	1.63E-07	1.92E-03	6.06E-07	1.76E-07	3.04E-03	9.58E-07	2.79E-07
1029	490736.72, 3861285.12	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.07E-07	1.77E-07	3.04E-03	9.60E-07	2.79E-07
1030	490786.72, 3861285.12	1.78E-03	5.62E-07	1.64E-07	1.92E-03	6.07E-07	1.76E-07	3.04E-03	9.60E-07	2.79E-07
1031	490836.72, 3861285.12	1.78E-03	5.61E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.03E-03	9.58E-07	2.79E-07
1032	490061.24, 3859716.13	3.88E-03	1.22E-06	3.56E-07	4.18E-03	1.32E-06	3.84E-07	6.57E-03	2.07E-06	6.03E-07
1033	490111.24, 3859716.13	3.89E-03	1.23E-06	3.57E-07	4.19E-03	1.32E-06	3.85E-07	6.59E-03	2.08E-06	6.05E-07

1034	490161.24, 3859716.13	3.90E-03	1.23E-06	3.58E-07	4.20E-03	1.33E-06	3.86E-07	6.60E-03	2.08E-06	6.06E-07
1035	490211.24, 3859716.13	3.91E-03	1.23E-06	3.59E-07	4.21E-03	1.33E-06	3.87E-07	6.62E-03	2.09E-06	6.07E-07
1036	490061.24, 3859766.13	3.73E-03	1.18E-06	3.42E-07	4.02E-03	1.27E-06	3.69E-07	6.32E-03	1.99E-06	5.80E-07
1037	490111.24, 3859766.13	3.73E-03	1.18E-06	3.42E-07	4.02E-03	1.27E-06	3.69E-07	6.32E-03	1.99E-06	5.80E-07
1038	490161.24, 3859766.13	3.73E-03	1.18E-06	3.43E-07	4.02E-03	1.27E-06	3.69E-07	6.33E-03	2.00E-06	5.81E-07
1039	490211.24, 3859766.13	3.74E-03	1.18E-06	3.43E-07	4.03E-03	1.27E-06	3.70E-07	6.34E-03	2.00E-06	5.82E-07
1040	490061.24, 3859816.13	3.59E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.09E-03	1.92E-06	5.59E-07
1041	490111.24, 3859816.13	3.58E-03	1.13E-06	3.29E-07	3.86E-03	1.22E-06	3.55E-07	6.08E-03	1.92E-06	5.58E-07
1042	490161.24, 3859816.13	3.59E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.08E-03	1.92E-06	5.58E-07
1043	490211.24, 3859816.13	3.59E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.09E-03	1.92E-06	5.59E-07
1044	490061.24, 3859866.13	3.47E-03	1.09E-06	3.18E-07	3.74E-03	1.18E-06	3.43E-07	5.89E-03	1.86E-06	5.40E-07
1045	490111.24, 3859866.13	3.46E-03	1.09E-06	3.18E-07	3.73E-03	1.18E-06	3.42E-07	5.87E-03	1.85E-06	5.39E-07
1046	490161.24, 3859866.13	3.46E-03	1.09E-06	3.17E-07	3.73E-03	1.18E-06	3.42E-07	5.87E-03	1.85E-06	5.39E-07
1047	490211.24, 3859866.13	3.46E-03	1.09E-06	3.17E-07	3.73E-03	1.18E-06	3.42E-07	5.87E-03	1.85E-06	5.38E-07
1048	490061.24, 3859916.13	3.36E-03	1.06E-06	3.08E-07	3.62E-03	1.14E-06	3.33E-07	5.71E-03	1.80E-06	5.24E-07
1049	490111.24, 3859916.13	3.35E-03	1.06E-06	3.07E-07	3.61E-03	1.14E-06	3.31E-07	5.69E-03	1.80E-06	5.22E-07
1050	490161.24, 3859916.13	3.34E-03	1.05E-06	3.07E-07	3.60E-03	1.14E-06	3.31E-07	5.67E-03	1.79E-06	5.21E-07
1051	490211.24, 3859916.13	3.33E-03	1.05E-06	3.06E-07	3.60E-03	1.13E-06	3.30E-07	5.66E-03	1.79E-06	5.20E-07
1052	490229.25, 3859815.26	3.60E-03	1.13E-06	3.30E-07	3.88E-03	1.22E-06	3.56E-07	6.10E-03	1.92E-06	5.60E-07
1053	490279.25, 3859815.26	3.60E-03	1.14E-06	3.31E-07	3.88E-03	1.23E-06	3.56E-07	6.11E-03	1.93E-06	5.61E-07
1054	490329.25, 3859815.26	3.61E-03	1.14E-06	3.31E-07	3.89E-03	1.23E-06	3.57E-07	6.12E-03	1.93E-06	5.62E-07
1055	490379.25, 3859815.26	3.62E-03	1.14E-06	3.33E-07	3.91E-03	1.23E-06	3.59E-07	6.14E-03	1.94E-06	5.64E-07
1056	490429.25, 3859815.26	3.64E-03	1.15E-06	3.34E-07	3.93E-03	1.24E-06	3.61E-07	6.18E-03	1.95E-06	5.67E-07
1057	490229.25, 3859865.26	3.46E-03	1.09E-06	3.17E-07	3.73E-03	1.18E-06	3.42E-07	5.87E-03	1.85E-06	5.39E-07
1058	490279.25, 3859865.26	3.46E-03	1.09E-06	3.18E-07	3.73E-03	1.18E-06	3.43E-07	5.87E-03	1.85E-06	5.39E-07
1059	490329.25, 3859865.26	3.47E-03	1.09E-06	3.18E-07	3.74E-03	1.18E-06	3.43E-07	5.88E-03	1.86E-06	5.40E-07
1060	490379.25, 3859865.26	3.47E-03	1.10E-06	3.19E-07	3.75E-03	1.18E-06	3.44E-07	5.90E-03	1.86E-06	5.41E-07
1061	490429.25, 3859865.26	3.49E-03	1.10E-06	3.20E-07	3.76E-03	1.19E-06	3.45E-07	5.92E-03	1.87E-06	5.43E-07
1062	490229.25, 3859915.26	3.34E-03	1.05E-06	3.06E-07	3.60E-03	1.14E-06	3.30E-07	5.67E-03	1.79E-06	5.20E-07
1063	490279.25, 3859915.26	3.33E-03	1.05E-06	3.06E-07	3.59E-03	1.13E-06	3.30E-07	5.66E-03	1.79E-06	5.20E-07
1064	490329.25, 3859915.26	3.33E-03	1.05E-06	3.06E-07	3.60E-03	1.13E-06	3.30E-07	5.66E-03	1.79E-06	5.20E-07
1065	490379.25, 3859915.26	3.34E-03	1.05E-06	3.07E-07	3.60E-03	1.14E-06	3.31E-07	5.67E-03	1.79E-06	5.21E-07
1066	490429.25, 3859915.26	3.35E-03	1.06E-06	3.07E-07	3.61E-03	1.14E-06	3.31E-07	5.68E-03	1.79E-06	5.22E-07
1067	490451.43, 3859872.59	3.47E-03	1.10E-06	3.19E-07	3.74E-03	1.18E-06	3.43E-07	5.89E-03	1.86E-06	5.41E-07
1068	490501.43, 3859872.59	3.49E-03	1.10E-06	3.20E-07	3.76E-03	1.19E-06	3.45E-07	5.92E-03	1.87E-06	5.43E-07
1069	490551.43, 3859872.59	3.51E-03	1.11E-06	3.22E-07	3.79E-03	1.19E-06	3.48E-07	5.96E-03	1.88E-06	5.47E-07
1070	490601.43, 3859872.59	3.53E-03	1.12E-06	3.24E-07	3.81E-03	1.20E-06	3.50E-07	6.00E-03	1.89E-06	5.51E-07
1071	490451.43, 3859922.59	3.33E-03	1.05E-06	3.06E-07	3.59E-03	1.13E-06	3.30E-07	5.66E-03	1.79E-06	5.19E-07
1072	490501.43, 3859922.59	3.34E-03	1.06E-06	3.07E-07	3.60E-03	1.14E-06	3.31E-07	5.68E-03	1.79E-06	5.21E-07
1073	490551.43, 3859922.59	3.36E-03	1.06E-06	3.09E-07	3.62E-03	1.14E-06	3.33E-07	5.71E-03	1.80E-06	5.24E-07
1074	490601.43, 3859922.59	3.38E-03	1.07E-06	3.11E-07	3.65E-03	1.15E-06	3.35E-07	5.75E-03	1.81E-06	5.28E-07
1075	482129.67, 3852241.07	1.45E-03	4.57E-07	1.33E-07	1.56E-03	4.92E-07	1.43E-07	2.43E-03	7.67E-07	2.23E-07
1076	482029.67, 3852291.07	1.55E-03	4.89E-07	1.42E-07	1.67E-03	5.27E-07	1.53E-07	2.61E-03	8.23E-07	2.39E-07
1077	482079.67, 3852291.07	1.53E-03	4.84E-07	1.41E-07	1.65E-03	5.21E-07	1.51E-07	2.58E-03	8.13E-07	2.36E-07
1078	482129.67, 3852291.07	1.51E-03	4.77E-07	1.39E-07	1.63E-03	5.14E-07	1.49E-07	2.54E-03	8.02E-07	2.33E-07
1079	482179.67, 3852291.07	1.48E-03	4.66E-07	1.36E-07	1.59E-03	5.02E-07	1.46E-07	2.48E-03	7.82E-07	2.27E-07
1080	482229.67, 3852291.07	1.44E-03	4.55E-07	1.32E-07	1.55E-03	4.90E-07	1.43E-07	2.42E-03	7.65E-07	2.23E-07
1081	482029.67, 3852341.07	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.70E-03	8.53E-07	2.48E-07
1082	482079.67, 3852341.07	1.59E-03	5.01E-07	1.46E-07	1.71E-03	5.39E-07	1.57E-07	2.67E-03	8.42E-07	2.45E-07
1083	482129.67, 3852341.07	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.33E-07	1.55E-07	2.64E-03	8.32E-07	2.42E-07
1084	482179.67, 3852341.07	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.60E-03	8.20E-07	2.39E-07
1085	482259.06, 3852400.14	1.59E-03	5.03E-07	1.46E-07	1.72E-03	5.41E-07	1.57E-07	2.67E-03	8.43E-07	2.45E-07
1086	482309.06, 3852400.14	1.55E-03	4.91E-07	1.43E-07	1.67E-03	5.28E-07	1.54E-07	2.61E-03	8.22E-07	2.39E-07
1087	482209.06, 3852450.14	1.67E-03	5.27E-07	1.53E-07	1.80E-03	5.67E-07	1.65E-07	2.80E-03	8.84E-07	2.57E-07
1088	482259.06, 3852450.14	1.65E-03	5.21E-07	1.52E-07	1.78E-03	5.61E-07	1.63E-07	2.77E-03	8.74E-07	2.54E-07
1089	482309.06, 3852450.14	1.63E-03	5.14E-07	1.50E-07	1.75E-03	5.54E-07	1.61E-07	2.73E-03	8.62E-07	2.51E-07
1090	482209.06, 3852500.14	1.73E-03	5.46E-07	1.59E-07	1.86E-03	5.88E-07	1.71E-07	2.90E-03	9.16E-07	2.67E-07
1091	482259.06, 3852500.14	1.71E-03	5.40E-07	1.57E-07	1.84E-03	5.81E-07	1.69E-07	2.87E-03	9.06E-07	2.63E-07
1092	482309.06, 3852500.14	1.69E-03	5.34E-07	1.55E-07	1.82E-03	5.75E-07	1.67E-07	2.84E-03	8.95E-07	2.60E-07
1093	482283.91, 3852513.62	1.72E-03	5.42E-07	1.58E-07	1.85E-03	5.84E-07	1.70E-07	2.88E-03	9.09E-07	2.64E-07
1094	482333.91, 3852513.62	1.70E-03	5.37E-07	1.56E-07	1.83E-03	5.78E-07	1.68E-07	2.85E-03	8.99E-07	2.62E-07

1095 482283.91, 3852563.62	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.06E-07	1.76E-07	2.99E-03	9.43E-07	2.74E-07
1096 482333.91, 3852563.62	1.77E-03	5.57E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	2.96E-03	9.34E-07	2.72E-07
1097 482383.91, 3852563.62	1.75E-03	5.53E-07	1.61E-07	1.88E-03	5.95E-07	1.73E-07	2.93E-03	9.25E-07	2.69E-07
1098 482283.91, 3852613.62	1.85E-03	5.84E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.10E-03	9.79E-07	2.85E-07
1099 482333.91, 3852613.62	1.83E-03	5.78E-07	1.68E-07	1.97E-03	6.22E-07	1.81E-07	3.07E-03	9.68E-07	2.82E-07
1100 482383.91, 3852613.62	1.82E-03	5.73E-07	1.67E-07	1.96E-03	6.17E-07	1.79E-07	3.04E-03	9.60E-07	2.79E-07
1101 482602.38, 3852600.87	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.86E-07	1.70E-07	2.89E-03	9.13E-07	2.66E-07
1102 482652.38, 3852600.87	1.71E-03	5.40E-07	1.57E-07	1.84E-03	5.82E-07	1.69E-07	2.87E-03	9.07E-07	2.64E-07
1103 482702.38, 3852600.87	1.67E-03	5.26E-07	1.53E-07	1.80E-03	5.67E-07	1.65E-07	2.81E-03	8.86E-07	2.58E-07
1104 482552.38, 3852650.87	1.83E-03	5.77E-07	1.68E-07	1.97E-03	6.21E-07	1.81E-07	3.06E-03	9.67E-07	2.81E-07
1105 482602.38, 3852650.87	1.81E-03	5.70E-07	1.66E-07	1.94E-03	6.14E-07	1.78E-07	3.02E-03	9.54E-07	2.78E-07
1106 482652.38, 3852650.87	1.80E-03	5.67E-07	1.65E-07	1.93E-03	6.10E-07	1.78E-07	3.01E-03	9.50E-07	2.76E-07
1107 482702.38, 3852650.87	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.06E-07	1.76E-07	2.99E-03	9.43E-07	2.74E-07
1108 482552.38, 3852700.87	1.90E-03	6.00E-07	1.74E-07	2.05E-03	6.45E-07	1.88E-07	3.18E-03	1.00E-06	2.92E-07
1109 482602.38, 3852700.87	1.90E-03	5.99E-07	1.74E-07	2.04E-03	6.44E-07	1.87E-07	3.17E-03	1.00E-06	2.91E-07
1110 482652.38, 3852700.87	1.90E-03	5.99E-07	1.74E-07	2.04E-03	6.45E-07	1.87E-07	3.17E-03	1.00E-06	2.91E-07
1111 482702.38, 3852700.87	1.89E-03	5.95E-07	1.73E-07	2.03E-03	6.41E-07	1.86E-07	3.16E-03	9.96E-07	2.90E-07
1112 482452.38, 3852750.87	1.99E-03	6.29E-07	1.83E-07	2.15E-03	6.77E-07	1.97E-07	3.34E-03	1.05E-06	3.06E-07
1113 482521.29, 3852749.74	1.98E-03	6.25E-07	1.82E-07	2.13E-03	6.72E-07	1.96E-07	3.31E-03	1.05E-06	3.04E-07
1114 482571.29, 3852749.74	1.97E-03	6.23E-07	1.81E-07	2.12E-03	6.70E-07	1.95E-07	3.30E-03	1.04E-06	3.03E-07
1115 482521.29, 3852799.74	2.06E-03	6.49E-07	1.89E-07	2.21E-03	6.98E-07	2.03E-07	3.44E-03	1.09E-06	3.16E-07
1116 482571.29, 3852799.74	2.05E-03	6.48E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.43E-03	1.08E-06	3.15E-07
1117 482621.29, 3852799.74	2.05E-03	6.47E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.43E-03	1.08E-06	3.15E-07
1118 482571.29, 3852849.74	2.13E-03	6.73E-07	1.96E-07	2.30E-03	7.25E-07	2.11E-07	3.57E-03	1.13E-06	3.27E-07
1119 482621.29, 3852849.74	2.13E-03	6.73E-07	1.96E-07	2.30E-03	7.24E-07	2.11E-07	3.57E-03	1.13E-06	3.27E-07
1120 482577.42, 3852901.55	2.22E-03	7.02E-07	2.04E-07	2.39E-03	7.56E-07	2.20E-07	3.72E-03	1.17E-06	3.41E-07
1121 482627.42, 3852901.55	2.22E-03	7.02E-07	2.04E-07	2.39E-03	7.55E-07	2.20E-07	3.72E-03	1.17E-06	3.41E-07
1122 482629.96, 3852955.85	2.33E-03	7.35E-07	2.14E-07	2.51E-03	7.91E-07	2.30E-07	3.89E-03	1.23E-06	3.57E-07
1123 482679.96, 3852955.85	2.33E-03	7.35E-07	2.14E-07	2.51E-03	7.91E-07	2.30E-07	3.89E-03	1.23E-06	3.57E-07
1124 482781.63, 3853034.48	2.48E-03	7.83E-07	2.28E-07	2.67E-03	8.42E-07	2.45E-07	4.14E-03	1.31E-06	3.80E-07
1125 482831.63, 3853034.48	2.45E-03	7.72E-07	2.25E-07	2.63E-03	8.31E-07	2.42E-07	4.09E-03	1.29E-06	3.75E-07
1126 482881.63, 3853034.48	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.19E-07	2.38E-07	4.03E-03	1.27E-06	3.70E-07
1127 482781.63, 3853084.48	2.61E-03	8.23E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.35E-03	1.37E-06	3.99E-07
1128 482831.63, 3853084.48	2.58E-03	8.13E-07	2.36E-07	2.77E-03	8.74E-07	2.54E-07	4.29E-03	1.36E-06	3.94E-07
1129 482881.63, 3853084.48	2.54E-03	8.01E-07	2.33E-07	2.73E-03	8.62E-07	2.51E-07	4.23E-03	1.34E-06	3.89E-07
1130 482781.63, 3853134.48	2.75E-03	8.69E-07	2.53E-07	2.96E-03	9.34E-07	2.72E-07	4.58E-03	1.44E-06	4.20E-07
1131 482831.63, 3853134.48	2.72E-03	8.58E-07	2.50E-07	2.93E-03	9.23E-07	2.69E-07	4.53E-03	1.43E-06	4.16E-07
1132 482881.63, 3853134.48	2.68E-03	8.46E-07	2.46E-07	2.88E-03	9.10E-07	2.65E-07	4.46E-03	1.41E-06	4.10E-07
1133 482831.63, 3853184.48	2.88E-03	9.09E-07	2.65E-07	3.10E-03	9.78E-07	2.84E-07	4.78E-03	1.51E-06	4.39E-07
1134 482881.63, 3853184.48	2.84E-03	8.96E-07	2.61E-07	3.05E-03	9.64E-07	2.80E-07	4.72E-03	1.49E-06	4.33E-07
1135 484154.84, 3854250.98	9.56E-03	3.02E-06	8.78E-07	1.04E-02	3.28E-06	9.53E-07	1.71E-02	5.40E-06	1.57E-06
1136 484204.84, 3854250.98	9.29E-03	2.93E-06	8.53E-07	1.01E-02	3.18E-06	9.26E-07	1.66E-02	5.24E-06	1.52E-06
1137 484154.84, 3854300.98	9.91E-03	3.13E-06	9.10E-07	1.08E-02	3.40E-06	9.88E-07	1.77E-02	5.59E-06	1.63E-06
1138 484204.84, 3854300.98	9.75E-03	3.08E-06	8.95E-07	1.06E-02	3.34E-06	9.71E-07	1.74E-02	5.49E-06	1.60E-06
1139 484074.19, 3854519.8	1.47E-02	4.64E-06	1.35E-06	1.59E-02	5.02E-06	1.46E-06	2.58E-02	8.15E-06	2.37E-06
1140 484124.19, 3854519.8	1.40E-02	4.41E-06	1.28E-06	1.51E-02	4.77E-06	1.39E-06	2.45E-02	7.74E-06	2.25E-06
1141 484074.19, 3854569.8	1.63E-02	5.14E-06	1.50E-06	1.76E-02	5.56E-06	1.62E-06	2.84E-02	8.97E-06	2.61E-06
1142 484124.19, 3854569.8	1.53E-02	4.83E-06	1.40E-06	1.65E-02	5.22E-06	1.52E-06	2.67E-02	8.42E-06	2.45E-06
1143 485205.11, 3855188.89	2.66E-02	8.40E-06	2.44E-06	2.86E-02	9.04E-06	2.63E-06	4.46E-02	1.41E-05	4.10E-06
1144 485255.11, 3855188.89	2.51E-02	7.93E-06	2.31E-06	2.70E-02	8.53E-06	2.48E-06	4.22E-02	1.33E-05	3.87E-06
1145 485205.11, 3855238.89	2.77E-02	8.74E-06	2.54E-06	2.98E-02	9.41E-06	2.74E-06	4.64E-02	1.47E-05	4.26E-06
1146 485255.11, 3855238.89	2.67E-02	8.44E-06	2.45E-06	2.88E-02	9.08E-06	2.64E-06	4.49E-02	1.42E-05	4.12E-06
1147 485205.11, 3855288.89	3.10E-02	9.77E-06	2.84E-06	3.33E-02	1.05E-05	3.06E-06	5.19E-02	1.64E-05	4.77E-06
1148 485255.11, 3855288.89	2.94E-02	9.28E-06	2.70E-06	3.17E-02	1.00E-05	2.91E-06	4.94E-02	1.56E-05	4.53E-06
1149 485255.11, 3855338.89	3.24E-02	1.02E-05	2.97E-06	3.49E-02	1.10E-05	3.20E-06	5.45E-02	1.72E-05	5.00E-06
1150 485305.11, 3855338.89	3.06E-02	9.67E-06	2.81E-06	3.30E-02	1.04E-05	3.03E-06	5.15E-02	1.63E-05	4.73E-06
1151 485852.5, 3855635.28	2.95E-02	9.31E-06	2.71E-06	3.18E-02	1.00E-05	2.92E-06	5.02E-02	1.58E-05	4.61E-06
1152 485902.5, 3855635.28	2.81E-02	8.87E-06	2.58E-06	3.03E-02	9.56E-06	2.78E-06	4.78E-02	1.51E-05	4.39E-06
1153 485852.5, 3855685.28	3.10E-02	9.79E-06	2.85E-06	3.35E-02	1.06E-05	3.07E-06	5.29E-02	1.67E-05	4.85E-06
1154 485902.5, 3855685.28	2.95E-02	9.31E-06	2.71E-06	3.18E-02	1.00E-05	2.92E-06	5.03E-02	1.59E-05	4.61E-06
1155 485852.5, 3855735.28	3.27E-02	1.03E-05	3.00E-06	3.53E-02	1.11E-05	3.24E-06	5.58E-02	1.76E-05	5.12E-06

1156	485902.5, 3855735.28	3.13E-02	9.88E-06	2.87E-06	3.38E-02	1.07E-05	3.10E-06	5.34E-02	1.69E-05	4.90E-06
1157	485852.5, 3855785.28	3.48E-02	1.10E-05	3.20E-06	3.76E-02	1.19E-05	3.45E-06	5.95E-02	1.88E-05	5.46E-06
1158	485902.5, 3855785.28	3.28E-02	1.04E-05	3.01E-06	3.54E-02	1.12E-05	3.25E-06	5.61E-02	1.77E-05	5.15E-06
1159	486809.46, 3856465.28	3.30E-02	1.04E-05	3.03E-06	3.57E-02	1.13E-05	3.28E-06	5.70E-02	1.80E-05	5.24E-06
1160	486859.46, 3856465.28	3.24E-02	1.02E-05	2.97E-06	3.50E-02	1.10E-05	3.21E-06	5.59E-02	1.76E-05	5.13E-06
1161	486909.46, 3856465.28	3.16E-02	9.98E-06	2.90E-06	3.42E-02	1.08E-05	3.14E-06	5.46E-02	1.72E-05	5.01E-06
1162	486809.46, 3856515.28	3.46E-02	1.09E-05	3.18E-06	3.74E-02	1.18E-05	3.43E-06	5.98E-02	1.89E-05	5.49E-06
1163	486859.46, 3856515.28	3.40E-02	1.07E-05	3.12E-06	3.67E-02	1.16E-05	3.37E-06	5.87E-02	1.85E-05	5.39E-06
1164	486909.46, 3856515.28	3.32E-02	1.05E-05	3.05E-06	3.59E-02	1.13E-05	3.30E-06	5.74E-02	1.81E-05	5.27E-06
1165	486980.94, 3856357.95	2.81E-02	8.86E-06	2.58E-06	3.03E-02	9.57E-06	2.78E-06	4.84E-02	1.53E-05	4.45E-06
1166	487030.94, 3856357.95	2.76E-02	8.70E-06	2.53E-06	2.98E-02	9.40E-06	2.73E-06	4.75E-02	1.50E-05	4.36E-06
1167	486980.94, 3856407.95	2.93E-02	9.25E-06	2.69E-06	3.17E-02	1.00E-05	2.91E-06	5.06E-02	1.60E-05	4.64E-06
1168	487030.94, 3856407.95	2.87E-02	9.07E-06	2.64E-06	3.10E-02	9.80E-06	2.85E-06	4.96E-02	1.56E-05	4.55E-06
1169	487447.18, 3856437.45	2.54E-02	8.01E-06	2.33E-06	2.74E-02	8.65E-06	2.52E-06	4.38E-02	1.38E-05	4.02E-06
1170	487497.18, 3856437.45	2.50E-02	7.88E-06	2.29E-06	2.70E-02	8.52E-06	2.48E-06	4.31E-02	1.36E-05	3.95E-06
1171	487547.18, 3856437.45	2.46E-02	7.76E-06	2.26E-06	2.66E-02	8.39E-06	2.44E-06	4.24E-02	1.34E-05	3.89E-06
1172	487447.18, 3856487.45	2.63E-02	8.31E-06	2.42E-06	2.84E-02	8.97E-06	2.61E-06	4.54E-02	1.43E-05	4.17E-06
1173	487497.18, 3856487.45	2.59E-02	8.16E-06	2.37E-06	2.79E-02	8.82E-06	2.57E-06	4.46E-02	1.41E-05	4.10E-06
1174	487547.18, 3856487.45	2.55E-02	8.04E-06	2.34E-06	2.75E-02	8.68E-06	2.53E-06	4.39E-02	1.39E-05	4.03E-06
1175	487447.18, 3856537.45	2.73E-02	8.61E-06	2.51E-06	2.95E-02	9.30E-06	2.71E-06	4.71E-02	1.49E-05	4.32E-06
1176	487497.18, 3856537.45	2.68E-02	8.45E-06	2.46E-06	2.89E-02	9.13E-06	2.66E-06	4.62E-02	1.46E-05	4.24E-06
1177	487547.18, 3856537.45	2.64E-02	8.32E-06	2.42E-06	2.85E-02	8.99E-06	2.62E-06	4.55E-02	1.44E-05	4.18E-06
1178	489285.89, 3858826.54	1.20E-02	3.80E-06	1.10E-06	1.29E-02	4.06E-06	1.18E-06	1.91E-02	6.02E-06	1.75E-06
1179	489335.89, 3858826.54	1.17E-02	3.70E-06	1.08E-06	1.25E-02	3.96E-06	1.15E-06	1.87E-02	5.91E-06	1.72E-06
1180	489385.89, 3858826.54	1.14E-02	3.61E-06	1.05E-06	1.23E-02	3.87E-06	1.13E-06	1.84E-02	5.81E-06	1.69E-06
1181	489435.89, 3858826.54	1.12E-02	3.54E-06	1.03E-06	1.20E-02	3.79E-06	1.10E-06	1.81E-02	5.72E-06	1.66E-06
1182	489485.89, 3858826.54	1.10E-02	3.47E-06	1.01E-06	1.18E-02	3.72E-06	1.08E-06	1.79E-02	5.64E-06	1.64E-06
1183	489535.89, 3858826.54	1.08E-02	3.40E-06	9.89E-07	1.16E-02	3.65E-06	1.06E-06	1.76E-02	5.56E-06	1.62E-06
1184	489585.89, 3858826.54	1.06E-02	3.34E-06	9.72E-07	1.14E-02	3.59E-06	1.04E-06	1.74E-02	5.48E-06	1.60E-06
1185	489635.89, 3858826.54	1.04E-02	3.29E-06	9.56E-07	1.12E-02	3.53E-06	1.03E-06	1.72E-02	5.41E-06	1.57E-06
1186	489685.89, 3858826.54	1.02E-02	3.24E-06	9.41E-07	1.10E-02	3.48E-06	1.01E-06	1.69E-02	5.34E-06	1.55E-06
1187	489735.89, 3858826.54	1.01E-02	3.19E-06	9.27E-07	1.09E-02	3.42E-06	9.96E-07	1.67E-02	5.28E-06	1.54E-06
1188	489785.89, 3858826.54	9.94E-03	3.14E-06	9.13E-07	1.07E-02	3.38E-06	9.82E-07	1.65E-02	5.21E-06	1.52E-06
1189	489835.89, 3858826.54	9.80E-03	3.09E-06	9.00E-07	1.05E-02	3.33E-06	9.68E-07	1.63E-02	5.15E-06	1.50E-06
1190	489885.89, 3858826.54	9.67E-03	3.05E-06	8.87E-07	1.04E-02	3.28E-06	9.55E-07	1.61E-02	5.09E-06	1.48E-06
1191	489935.89, 3858826.54	9.53E-03	3.01E-06	8.75E-07	1.03E-02	3.24E-06	9.42E-07	1.59E-02	5.03E-06	1.46E-06
1192	489985.89, 3858826.54	9.41E-03	2.97E-06	8.64E-07	1.01E-02	3.20E-06	9.30E-07	1.58E-02	4.97E-06	1.45E-06
1193	490035.89, 3858826.54	9.29E-03	2.93E-06	8.53E-07	1.00E-02	3.16E-06	9.18E-07	1.56E-02	4.92E-06	1.43E-06
1194	489285.89, 3858876.54	1.12E-02	3.55E-06	1.03E-06	1.20E-02	3.80E-06	1.10E-06	1.78E-02	5.62E-06	1.64E-06
1195	489335.89, 3858876.54	1.10E-02	3.46E-06	1.01E-06	1.17E-02	3.71E-06	1.08E-06	1.75E-02	5.53E-06	1.61E-06
1196	489385.89, 3858876.54	1.07E-02	3.39E-06	9.86E-07	1.15E-02	3.63E-06	1.06E-06	1.73E-02	5.45E-06	1.59E-06
1197	489435.89, 3858876.54	1.05E-02	3.32E-06	9.67E-07	1.13E-02	3.56E-06	1.04E-06	1.70E-02	5.38E-06	1.56E-06
1198	489485.89, 3858876.54	1.03E-02	3.26E-06	9.49E-07	1.11E-02	3.50E-06	1.02E-06	1.68E-02	5.31E-06	1.54E-06
1199	489535.89, 3858876.54	1.02E-02	3.21E-06	9.33E-07	1.09E-02	3.44E-06	1.00E-06	1.66E-02	5.24E-06	1.52E-06
1200	489585.89, 3858876.54	1.00E-02	3.16E-06	9.19E-07	1.07E-02	3.39E-06	9.86E-07	1.64E-02	5.18E-06	1.51E-06
1201	489635.89, 3858876.54	9.86E-03	3.11E-06	9.05E-07	1.06E-02	3.34E-06	9.72E-07	1.62E-02	5.12E-06	1.49E-06
1202	489685.89, 3858876.54	9.71E-03	3.07E-06	8.92E-07	1.04E-02	3.29E-06	9.58E-07	1.60E-02	5.06E-06	1.47E-06
1203	489735.89, 3858876.54	9.58E-03	3.02E-06	8.79E-07	1.03E-02	3.25E-06	9.45E-07	1.59E-02	5.01E-06	1.46E-06
1204	489785.89, 3858876.54	9.45E-03	2.98E-06	8.67E-07	1.02E-02	3.21E-06	9.33E-07	1.57E-02	4.95E-06	1.44E-06
1205	489835.89, 3858876.54	9.33E-03	2.94E-06	8.56E-07	1.00E-02	3.17E-06	9.21E-07	1.55E-02	4.90E-06	1.42E-06
1206	489885.89, 3858876.54	9.21E-03	2.91E-06	8.45E-07	9.90E-03	3.13E-06	9.09E-07	1.53E-02	4.84E-06	1.41E-06
1207	489935.89, 3858876.54	9.09E-03	2.87E-06	8.35E-07	9.78E-03	3.09E-06	8.98E-07	1.52E-02	4.79E-06	1.39E-06
1208	489985.89, 3858876.54	8.98E-03	2.83E-06	8.25E-07	9.67E-03	3.05E-06	8.88E-07	1.50E-02	4.74E-06	1.38E-06
1209	490035.89, 3858876.54	8.88E-03	2.80E-06	8.15E-07	9.55E-03	3.02E-06	8.77E-07	1.49E-02	4.70E-06	1.37E-06
1210	489285.89, 3858926.54	1.04E-02	3.28E-06	9.55E-07	1.11E-02	3.51E-06	1.02E-06	1.65E-02	5.22E-06	1.52E-06
1211	489335.89, 3858926.54	1.02E-02	3.22E-06	9.36E-07	1.09E-02	3.45E-06	1.00E-06	1.63E-02	5.15E-06	1.50E-06
1212	489385.89, 3858926.54	1.00E-02	3.16E-06	9.19E-07	1.07E-02	3.39E-06	9.85E-07	1.61E-02	5.09E-06	1.48E-06
1213	489435.89, 3858926.54	9.85E-03	3.11E-06	9.04E-07	1.06E-02	3.33E-06	9.69E-07	1.60E-02	5.04E-06	1.46E-06
1214	489485.89, 3858926.54	9.70E-03	3.06E-06	8.90E-07	1.04E-02	3.28E-06	9.55E-07	1.58E-02	4.98E-06	1.45E-06
1215	489535.89, 3858926.54	9.56E-03	3.02E-06	8.77E-07	1.03E-02	3.24E-06	9.42E-07	1.56E-02	4.93E-06	1.43E-06
1216	489585.89, 3858926.54	9.43E-03	2.97E-06	8.65E-07	1.01E-02	3.19E-06	9.29E-07	1.55E-02	4.88E-06	1.42E-06

1217	489635.89, 3858926.54	9.30E-03	2.94E-06	8.54E-07	9.99E-03	3.15E-06	9.17E-07	1.53E-02	4.83E-06	1.41E-06
1218	489685.89, 3858926.54	9.19E-03	2.90E-06	8.43E-07	9.87E-03	3.12E-06	9.06E-07	1.52E-02	4.79E-06	1.39E-06
1219	489735.89, 3858926.54	9.07E-03	2.86E-06	8.33E-07	9.75E-03	3.08E-06	8.95E-07	1.50E-02	4.74E-06	1.38E-06
1220	489785.89, 3858926.54	8.96E-03	2.83E-06	8.23E-07	9.64E-03	3.04E-06	8.85E-07	1.49E-02	4.69E-06	1.37E-06
1221	489835.89, 3858926.54	8.86E-03	2.80E-06	8.13E-07	9.53E-03	3.01E-06	8.75E-07	1.47E-02	4.65E-06	1.35E-06
1222	489885.89, 3858926.54	8.76E-03	2.76E-06	8.04E-07	9.42E-03	2.97E-06	8.65E-07	1.46E-02	4.61E-06	1.34E-06
1223	489935.89, 3858926.54	8.66E-03	2.73E-06	7.95E-07	9.32E-03	2.94E-06	8.55E-07	1.45E-02	4.56E-06	1.33E-06
1224	489985.89, 3858926.54	8.56E-03	2.70E-06	7.86E-07	9.22E-03	2.91E-06	8.46E-07	1.43E-02	4.52E-06	1.32E-06
1225	490035.89, 3858926.54	8.47E-03	2.67E-06	7.78E-07	9.12E-03	2.88E-06	8.37E-07	1.42E-02	4.48E-06	1.30E-06
1226	489335.89, 3858976.54	9.41E-03	2.97E-06	8.64E-07	1.01E-02	3.18E-06	9.26E-07	1.51E-02	4.78E-06	1.39E-06
1227	489385.89, 3858976.54	9.29E-03	2.93E-06	8.53E-07	9.96E-03	3.14E-06	9.15E-07	1.50E-02	4.74E-06	1.38E-06
1228	489435.89, 3858976.54	9.17E-03	2.90E-06	8.42E-07	9.84E-03	3.11E-06	9.03E-07	1.49E-02	4.70E-06	1.37E-06
1229	489485.89, 3858976.54	9.06E-03	2.86E-06	8.32E-07	9.73E-03	3.07E-06	8.93E-07	1.48E-02	4.67E-06	1.36E-06
1230	489535.89, 3858976.54	8.96E-03	2.83E-06	8.23E-07	9.62E-03	3.04E-06	8.83E-07	1.47E-02	4.63E-06	1.35E-06
1231	489585.89, 3858976.54	8.86E-03	2.80E-06	8.13E-07	9.51E-03	3.00E-06	8.73E-07	1.46E-02	4.59E-06	1.34E-06
1232	489635.89, 3858976.54	8.76E-03	2.77E-06	8.04E-07	9.41E-03	2.97E-06	8.64E-07	1.44E-02	4.56E-06	1.33E-06
1233	489685.89, 3858976.54	8.67E-03	2.74E-06	7.96E-07	9.32E-03	2.94E-06	8.55E-07	1.43E-02	4.52E-06	1.32E-06
1234	489735.89, 3858976.54	8.58E-03	2.71E-06	7.88E-07	9.22E-03	2.91E-06	8.47E-07	1.42E-02	4.48E-06	1.30E-06
1235	489785.89, 3858976.54	8.49E-03	2.68E-06	7.79E-07	9.13E-03	2.88E-06	8.38E-07	1.41E-02	4.45E-06	1.29E-06
1236	489835.89, 3858976.54	8.40E-03	2.65E-06	7.71E-07	9.03E-03	2.85E-06	8.29E-07	1.40E-02	4.41E-06	1.28E-06
1237	489885.89, 3858976.54	8.32E-03	2.63E-06	7.64E-07	8.95E-03	2.82E-06	8.22E-07	1.39E-02	4.38E-06	1.27E-06
1238	489935.89, 3858976.54	8.24E-03	2.60E-06	7.56E-07	8.87E-03	2.80E-06	8.14E-07	1.38E-02	4.34E-06	1.26E-06
1239	489985.89, 3858976.54	8.16E-03	2.57E-06	7.49E-07	8.78E-03	2.77E-06	8.06E-07	1.36E-02	4.31E-06	1.25E-06
1240	490035.89, 3858976.54	8.09E-03	2.55E-06	7.42E-07	8.71E-03	2.75E-06	7.99E-07	1.36E-02	4.28E-06	1.25E-06
1241	489385.89, 3859026.54	8.60E-03	2.71E-06	7.89E-07	9.22E-03	2.91E-06	8.46E-07	1.40E-02	4.41E-06	1.28E-06
1242	489435.89, 3859026.54	8.53E-03	2.69E-06	7.83E-07	9.15E-03	2.89E-06	8.40E-07	1.39E-02	4.39E-06	1.28E-06
1243	489485.89, 3859026.54	8.46E-03	2.67E-06	7.76E-07	9.08E-03	2.86E-06	8.33E-07	1.38E-02	4.37E-06	1.27E-06
1244	489535.89, 3859026.54	8.38E-03	2.65E-06	7.70E-07	9.00E-03	2.84E-06	8.27E-07	1.38E-02	4.34E-06	1.26E-06
1245	489585.89, 3859026.54	8.31E-03	2.62E-06	7.63E-07	8.93E-03	2.82E-06	8.20E-07	1.37E-02	4.32E-06	1.26E-06
1246	489635.89, 3859026.54	8.24E-03	2.60E-06	7.57E-07	8.86E-03	2.80E-06	8.13E-07	1.36E-02	4.29E-06	1.25E-06
1247	489685.89, 3859026.54	8.17E-03	2.58E-06	7.50E-07	8.78E-03	2.77E-06	8.06E-07	1.35E-02	4.27E-06	1.24E-06
1248	489735.89, 3859026.54	8.10E-03	2.56E-06	7.44E-07	8.71E-03	2.75E-06	7.99E-07	1.34E-02	4.24E-06	1.23E-06
1249	489785.89, 3859026.54	8.03E-03	2.53E-06	7.37E-07	8.63E-03	2.73E-06	7.93E-07	1.33E-02	4.21E-06	1.22E-06
1250	489835.89, 3859026.54	7.96E-03	2.51E-06	7.31E-07	8.57E-03	2.70E-06	7.87E-07	1.33E-02	4.19E-06	1.22E-06
1251	489885.89, 3859026.54	7.90E-03	2.49E-06	7.25E-07	8.50E-03	2.68E-06	7.80E-07	1.32E-02	4.16E-06	1.21E-06
1252	489935.89, 3859026.54	7.83E-03	2.47E-06	7.19E-07	8.43E-03	2.66E-06	7.74E-07	1.31E-02	4.13E-06	1.20E-06
1253	489985.89, 3859026.54	7.77E-03	2.45E-06	7.13E-07	8.36E-03	2.64E-06	7.68E-07	1.30E-02	4.10E-06	1.19E-06
1254	490035.89, 3859026.54	7.71E-03	2.43E-06	7.08E-07	8.30E-03	2.62E-06	7.62E-07	1.29E-02	4.08E-06	1.19E-06
1255	489485.89, 3859076.54	7.88E-03	2.49E-06	7.23E-07	8.46E-03	2.67E-06	7.77E-07	1.29E-02	4.09E-06	1.19E-06
1256	489535.89, 3859076.54	7.84E-03	2.47E-06	7.20E-07	8.42E-03	2.66E-06	7.73E-07	1.29E-02	4.08E-06	1.19E-06
1257	489585.89, 3859076.54	7.79E-03	2.46E-06	7.15E-07	8.37E-03	2.64E-06	7.69E-07	1.29E-02	4.06E-06	1.18E-06
1258	489635.89, 3859076.54	7.74E-03	2.44E-06	7.11E-07	8.32E-03	2.63E-06	7.64E-07	1.28E-02	4.04E-06	1.18E-06
1259	489685.89, 3859076.54	7.69E-03	2.43E-06	7.06E-07	8.27E-03	2.61E-06	7.59E-07	1.28E-02	4.03E-06	1.17E-06
1260	489735.89, 3859076.54	7.64E-03	2.41E-06	7.02E-07	8.22E-03	2.59E-06	7.54E-07	1.27E-02	4.01E-06	1.17E-06
1261	489785.89, 3859076.54	7.59E-03	2.40E-06	6.97E-07	8.16E-03	2.58E-06	7.49E-07	1.26E-02	3.99E-06	1.16E-06
1262	489835.89, 3859076.54	7.54E-03	2.38E-06	6.92E-07	8.11E-03	2.56E-06	7.45E-07	1.26E-02	3.97E-06	1.15E-06
1263	489885.89, 3859076.54	7.49E-03	2.36E-06	6.88E-07	8.06E-03	2.54E-06	7.40E-07	1.25E-02	3.95E-06	1.15E-06
1264	489935.89, 3859076.54	7.44E-03	2.35E-06	6.83E-07	8.01E-03	2.53E-06	7.35E-07	1.24E-02	3.93E-06	1.14E-06
1265	489985.89, 3859076.54	7.39E-03	2.33E-06	6.78E-07	7.95E-03	2.51E-06	7.30E-07	1.24E-02	3.91E-06	1.14E-06
1266	490035.89, 3859076.54	7.35E-03	2.32E-06	6.74E-07	7.91E-03	2.50E-06	7.26E-07	1.23E-02	3.89E-06	1.13E-06
1267	489585.89, 3859126.54	7.30E-03	2.30E-06	6.70E-07	7.85E-03	2.48E-06	7.20E-07	1.21E-02	3.82E-06	1.11E-06
1268	489635.89, 3859126.54	7.27E-03	2.30E-06	6.68E-07	7.82E-03	2.47E-06	7.18E-07	1.21E-02	3.81E-06	1.11E-06
1269	489685.89, 3859126.54	7.24E-03	2.29E-06	6.65E-07	7.79E-03	2.46E-06	7.15E-07	1.20E-02	3.80E-06	1.10E-06
1270	489735.89, 3859126.54	7.21E-03	2.28E-06	6.62E-07	7.75E-03	2.45E-06	7.12E-07	1.20E-02	3.79E-06	1.10E-06
1271	489785.89, 3859126.54	7.17E-03	2.26E-06	6.59E-07	7.72E-03	2.44E-06	7.08E-07	1.20E-02	3.77E-06	1.10E-06
1272	489835.89, 3859126.54	7.14E-03	2.25E-06	6.55E-07	7.68E-03	2.42E-06	7.05E-07	1.19E-02	3.76E-06	1.09E-06
1273	489885.89, 3859126.54	7.10E-03	2.24E-06	6.52E-07	7.64E-03	2.41E-06	7.02E-07	1.19E-02	3.75E-06	1.09E-06
1274	489935.89, 3859126.54	7.06E-03	2.23E-06	6.48E-07	7.60E-03	2.40E-06	6.98E-07	1.18E-02	3.73E-06	1.09E-06
1275	489985.89, 3859126.54	7.03E-03	2.22E-06	6.45E-07	7.57E-03	2.39E-06	6.95E-07	1.18E-02	3.72E-06	1.08E-06
1276	490035.89, 3859126.54	6.99E-03	2.21E-06	6.42E-07	7.53E-03	2.38E-06	6.91E-07	1.17E-02	3.71E-06	1.08E-06
1277	489585.89, 3859176.54	6.84E-03	2.16E-06	6.28E-07	7.36E-03	2.32E-06	6.75E-07	1.14E-02	3.59E-06	1.04E-06

1278 489635.89, 3859176.54	6.83E-03	2.16E-06	6.27E-07	7.35E-03	2.32E-06	6.74E-07	1.14E-02	3.58E-06	1.04E-06
1279 489685.89, 3859176.54	6.81E-03	2.15E-06	6.26E-07	7.33E-03	2.31E-06	6.73E-07	1.13E-02	3.58E-06	1.04E-06
1280 489735.89, 3859176.54	6.80E-03	2.14E-06	6.24E-07	7.31E-03	2.31E-06	6.71E-07	1.13E-02	3.57E-06	1.04E-06
1281 489785.89, 3859176.54	6.78E-03	2.14E-06	6.22E-07	7.29E-03	2.30E-06	6.69E-07	1.13E-02	3.57E-06	1.04E-06
1282 489835.89, 3859176.54	6.75E-03	2.13E-06	6.20E-07	7.27E-03	2.29E-06	6.67E-07	1.13E-02	3.56E-06	1.04E-06
1283 489885.89, 3859176.54	6.73E-03	2.12E-06	6.18E-07	7.25E-03	2.29E-06	6.65E-07	1.13E-02	3.56E-06	1.03E-06
1284 489935.89, 3859176.54	6.70E-03	2.12E-06	6.15E-07	7.22E-03	2.28E-06	6.63E-07	1.12E-02	3.55E-06	1.03E-06
1285 489985.89, 3859176.54	6.68E-03	2.11E-06	6.13E-07	7.20E-03	2.27E-06	6.61E-07	1.12E-02	3.54E-06	1.03E-06
1286 490035.89, 3859176.54	6.65E-03	2.10E-06	6.11E-07	7.16E-03	2.26E-06	6.58E-07	1.12E-02	3.53E-06	1.03E-06
1287 489685.89, 3859226.54	6.42E-03	2.03E-06	5.89E-07	6.90E-03	2.18E-06	6.34E-07	1.07E-02	3.38E-06	9.83E-07
1288 489735.89, 3859226.54	6.41E-03	2.02E-06	5.88E-07	6.90E-03	2.18E-06	6.33E-07	1.07E-02	3.38E-06	9.82E-07
1289 489785.89, 3859226.54	6.40E-03	2.02E-06	5.88E-07	6.89E-03	2.17E-06	6.32E-07	1.07E-02	3.38E-06	9.82E-07
1290 489835.89, 3859226.54	6.39E-03	2.02E-06	5.87E-07	6.88E-03	2.17E-06	6.32E-07	1.07E-02	3.38E-06	9.83E-07
1291 489885.89, 3859226.54	6.38E-03	2.01E-06	5.86E-07	6.87E-03	2.17E-06	6.31E-07	1.07E-02	3.38E-06	9.82E-07
1292 489935.89, 3859226.54	6.37E-03	2.01E-06	5.84E-07	6.85E-03	2.16E-06	6.29E-07	1.07E-02	3.37E-06	9.81E-07
1293 489985.89, 3859226.54	6.35E-03	2.01E-06	5.83E-07	6.84E-03	2.16E-06	6.28E-07	1.07E-02	3.37E-06	9.81E-07
1294 490035.89, 3859226.54	6.33E-03	2.00E-06	5.81E-07	6.82E-03	2.15E-06	6.26E-07	1.07E-02	3.36E-06	9.78E-07
1295 489735.89, 3859276.54	6.04E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.97E-07	1.01E-02	3.19E-06	9.28E-07
1296 489785.89, 3859276.54	6.05E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.97E-07	1.01E-02	3.19E-06	9.29E-07
1297 489835.89, 3859276.54	6.05E-03	1.91E-06	5.56E-07	6.51E-03	2.06E-06	5.98E-07	1.01E-02	3.20E-06	9.31E-07
1298 489885.89, 3859276.54	6.05E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.98E-07	1.01E-02	3.20E-06	9.31E-07
1299 489935.89, 3859276.54	6.04E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.97E-07	1.02E-02	3.20E-06	9.32E-07
1300 489985.89, 3859276.54	6.04E-03	1.91E-06	5.55E-07	6.51E-03	2.05E-06	5.97E-07	1.02E-02	3.21E-06	9.34E-07
1301 490035.89, 3859276.54	6.02E-03	1.90E-06	5.53E-07	6.49E-03	2.05E-06	5.96E-07	1.01E-02	3.20E-06	9.31E-07
1302 490458.06, 3859590.74	4.48E-03	1.41E-06	4.12E-07	4.83E-03	1.53E-06	4.44E-07	7.60E-03	2.40E-06	6.98E-07
1303 490508.06, 3859590.74	4.49E-03	1.42E-06	4.13E-07	4.85E-03	1.53E-06	4.45E-07	7.62E-03	2.41E-06	7.00E-07
1304 490558.06, 3859590.74	4.50E-03	1.42E-06	4.13E-07	4.85E-03	1.53E-06	4.46E-07	7.64E-03	2.41E-06	7.02E-07
1305 490608.06, 3859590.74	4.51E-03	1.42E-06	4.14E-07	4.86E-03	1.53E-06	4.46E-07	7.66E-03	2.42E-06	7.03E-07
1306 490658.06, 3859590.74	4.51E-03	1.42E-06	4.14E-07	4.86E-03	1.54E-06	4.46E-07	7.67E-03	2.42E-06	7.04E-07
1307 490708.06, 3859590.74	4.51E-03	1.42E-06	4.14E-07	4.86E-03	1.54E-06	4.47E-07	7.67E-03	2.42E-06	7.05E-07
1308 490758.06, 3859590.74	4.51E-03	1.42E-06	4.14E-07	4.86E-03	1.53E-06	4.46E-07	7.67E-03	2.42E-06	7.05E-07
1309 490808.06, 3859590.74	4.50E-03	1.42E-06	4.13E-07	4.85E-03	1.53E-06	4.46E-07	7.67E-03	2.42E-06	7.04E-07
1310 490858.06, 3859590.74	4.49E-03	1.42E-06	4.12E-07	4.84E-03	1.53E-06	4.45E-07	7.66E-03	2.42E-06	7.03E-07
1311 490458.06, 3859640.74	4.28E-03	1.35E-06	3.93E-07	4.62E-03	1.46E-06	4.24E-07	7.26E-03	2.29E-06	6.66E-07
1312 490508.06, 3859640.74	4.30E-03	1.36E-06	3.95E-07	4.63E-03	1.46E-06	4.25E-07	7.29E-03	2.30E-06	6.69E-07
1313 490558.06, 3859640.74	4.31E-03	1.36E-06	3.96E-07	4.65E-03	1.47E-06	4.27E-07	7.32E-03	2.31E-06	6.72E-07
1314 490608.06, 3859640.74	4.32E-03	1.36E-06	3.97E-07	4.66E-03	1.47E-06	4.28E-07	7.34E-03	2.32E-06	6.74E-07
1315 490658.06, 3859640.74	4.33E-03	1.37E-06	3.98E-07	4.67E-03	1.47E-06	4.29E-07	7.37E-03	2.32E-06	6.76E-07
1316 490708.06, 3859640.74	4.34E-03	1.37E-06	3.98E-07	4.68E-03	1.48E-06	4.29E-07	7.38E-03	2.33E-06	6.77E-07
1317 490758.06, 3859640.74	4.34E-03	1.37E-06	3.98E-07	4.68E-03	1.48E-06	4.30E-07	7.39E-03	2.33E-06	6.78E-07
1318 490808.06, 3859640.74	4.34E-03	1.37E-06	3.98E-07	4.68E-03	1.48E-06	4.29E-07	7.39E-03	2.33E-06	6.78E-07
1319 490858.06, 3859640.74	4.33E-03	1.37E-06	3.98E-07	4.67E-03	1.48E-06	4.29E-07	7.39E-03	2.33E-06	6.78E-07
1320 490608.06, 3859690.74	4.14E-03	1.31E-06	3.81E-07	4.47E-03	1.41E-06	4.10E-07	7.04E-03	2.22E-06	6.46E-07
1321 490658.06, 3859690.74	4.16E-03	1.31E-06	3.82E-07	4.49E-03	1.42E-06	4.12E-07	7.07E-03	2.23E-06	6.49E-07
1322 490708.06, 3859690.74	4.17E-03	1.32E-06	3.83E-07	4.50E-03	1.42E-06	4.13E-07	7.09E-03	2.24E-06	6.51E-07
1323 490758.06, 3859690.74	4.18E-03	1.32E-06	3.83E-07	4.50E-03	1.42E-06	4.13E-07	7.11E-03	2.24E-06	6.52E-07
1324 490808.06, 3859690.74	4.18E-03	1.32E-06	3.84E-07	4.51E-03	1.42E-06	4.14E-07	7.12E-03	2.25E-06	6.53E-07
1325 490858.06, 3859690.74	4.18E-03	1.32E-06	3.84E-07	4.51E-03	1.42E-06	4.14E-07	7.12E-03	2.25E-06	6.53E-07
1326 490708.06, 3859740.74	4.00E-03	1.26E-06	3.67E-07	4.32E-03	1.36E-06	3.96E-07	6.80E-03	2.15E-06	6.24E-07
1327 490758.06, 3859740.74	4.01E-03	1.27E-06	3.68E-07	4.32E-03	1.36E-06	3.97E-07	6.82E-03	2.15E-06	6.26E-07
1328 490808.06, 3859740.74	4.02E-03	1.27E-06	3.69E-07	4.33E-03	1.37E-06	3.98E-07	6.84E-03	2.16E-06	6.28E-07
1329 490858.06, 3859740.74	4.02E-03	1.27E-06	3.69E-07	4.34E-03	1.37E-06	3.98E-07	6.85E-03	2.16E-06	6.28E-07
1330 490786.56, 3859749.39	3.99E-03	1.26E-06	3.66E-07	4.30E-03	1.36E-06	3.95E-07	6.78E-03	2.14E-06	6.22E-07
1331 490836.56, 3859749.39	3.99E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.95E-07	6.80E-03	2.14E-06	6.24E-07
1332 490786.56, 3859799.39	3.83E-03	1.21E-06	3.51E-07	4.13E-03	1.30E-06	3.79E-07	6.50E-03	2.05E-06	5.97E-07
1333 490836.56, 3859799.39	3.84E-03	1.21E-06	3.52E-07	4.14E-03	1.31E-06	3.80E-07	6.53E-03	2.06E-06	5.99E-07
1334 492307.84, 3854508.36	3.98E-03	1.26E-06	3.66E-07	4.30E-03	1.36E-06	3.95E-07	6.85E-03	2.16E-06	6.29E-07
1335 486445.7, 3854753.6	7.94E-03	2.51E-06	7.29E-07	8.57E-03	2.70E-06	7.87E-07	1.35E-02	4.27E-06	1.24E-06
1336 472599.75, 3877830.11	1.33E-04	4.21E-08	1.22E-08	1.44E-04	4.53E-08	1.32E-08	2.24E-04	7.08E-08	2.06E-08
1337 493107.48, 3866840.19	4.00E-04	1.26E-07	3.67E-08	4.31E-04	1.36E-07	3.96E-08	6.83E-04	2.15E-07	6.27E-08
1338 495815.8, 3861662.87	1.45E-03	4.58E-07	1.33E-07	1.57E-03	4.95E-07	1.44E-07	2.50E-03	7.89E-07	2.29E-07

1339	480272.33, 3841389.2	4.10E-05	1.29E-08	3.76E-09	4.42E-05	1.40E-08	4.06E-09	6.98E-05	2.20E-08	6.41E-09
1340	497005.18, 3862813.64	1.03E-03	3.26E-07	9.49E-08	1.12E-03	3.52E-07	1.02E-07	1.78E-03	5.62E-07	1.63E-07
1341	493677.33, 3860302.55	2.65E-03	8.35E-07	2.43E-07	2.86E-03	9.02E-07	2.62E-07	4.55E-03	1.44E-06	4.17E-07
1342	493727.33, 3860302.55	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1343	493777.33, 3860302.55	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
1344	493827.33, 3860302.55	2.62E-03	8.27E-07	2.41E-07	2.83E-03	8.93E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
1345	493877.33, 3860302.55	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
1346	493927.33, 3860302.55	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.47E-03	1.41E-06	4.11E-07
1347	493977.33, 3860302.55	2.60E-03	8.19E-07	2.38E-07	2.80E-03	8.85E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
1348	494027.33, 3860302.55	2.59E-03	8.17E-07	2.38E-07	2.79E-03	8.82E-07	2.56E-07	4.45E-03	1.40E-06	4.08E-07
1349	493677.33, 3860352.55	2.60E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
1350	493727.33, 3860352.55	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
1351	493777.33, 3860352.55	2.58E-03	8.13E-07	2.37E-07	2.78E-03	8.78E-07	2.55E-07	4.43E-03	1.40E-06	4.07E-07
1352	493827.33, 3860352.55	2.57E-03	8.11E-07	2.36E-07	2.77E-03	8.76E-07	2.55E-07	4.42E-03	1.39E-06	4.05E-07
1353	493877.33, 3860352.55	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
1354	493927.33, 3860352.55	2.55E-03	8.06E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
1355	493977.33, 3860352.55	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
1356	494027.33, 3860352.55	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
1357	493677.33, 3860402.55	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
1358	493727.33, 3860402.55	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
1359	493777.33, 3860402.55	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.35E-03	1.37E-06	3.99E-07
1360	493827.33, 3860402.55	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.33E-03	1.37E-06	3.98E-07
1361	493877.33, 3860402.55	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
1362	493927.33, 3860402.55	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.54E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
1363	493977.33, 3860402.55	2.50E-03	7.89E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
1364	494027.33, 3860402.55	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.29E-03	1.35E-06	3.93E-07
1365	493677.33, 3860452.55	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
1366	493727.33, 3860452.55	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.26E-03	1.35E-06	3.91E-07
1367	493777.33, 3860452.55	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1368	493827.33, 3860452.55	2.47E-03	7.79E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.24E-03	1.34E-06	3.90E-07
1369	493877.33, 3860452.55	2.46E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.23E-03	1.34E-06	3.89E-07
1370	493927.33, 3860452.55	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
1371	493977.33, 3860452.55	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
1372	494027.33, 3860452.55	2.45E-03	7.72E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.20E-03	1.33E-06	3.86E-07
1373	493677.33, 3860502.55	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.32E-07	2.42E-07	4.20E-03	1.32E-06	3.85E-07
1374	493727.33, 3860502.55	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1375	493777.33, 3860502.55	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.17E-03	1.32E-06	3.83E-07
1376	493827.33, 3860502.55	2.42E-03	7.64E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
1377	493877.33, 3860502.55	2.42E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1378	493927.33, 3860502.55	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1379	493977.33, 3860502.55	2.40E-03	7.59E-07	2.21E-07	2.60E-03	8.19E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
1380	494027.33, 3860502.55	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.17E-07	2.38E-07	4.12E-03	1.30E-06	3.78E-07
1381	493627.33, 3860552.55	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.12E-03	1.30E-06	3.78E-07
1382	493677.33, 3860552.55	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.15E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
1383	493727.33, 3860552.55	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.09E-03	1.29E-06	3.76E-07
1384	493777.33, 3860552.55	2.38E-03	7.50E-07	2.18E-07	2.57E-03	8.10E-07	2.36E-07	4.08E-03	1.29E-06	3.75E-07
1385	493827.33, 3860552.55	2.37E-03	7.49E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.08E-03	1.29E-06	3.74E-07
1386	493877.33, 3860552.55	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.28E-06	3.73E-07
1387	493927.33, 3860552.55	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.05E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1388	493977.33, 3860552.55	2.36E-03	7.44E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.05E-03	1.28E-06	3.72E-07
1389	494027.33, 3860552.55	2.35E-03	7.42E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.04E-03	1.28E-06	3.71E-07
1390	493627.33, 3860602.55	2.35E-03	7.42E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.04E-03	1.27E-06	3.70E-07
1391	493727.33, 3860602.55	2.33E-03	7.36E-07	2.14E-07	2.52E-03	7.94E-07	2.31E-07	4.00E-03	1.26E-06	3.68E-07
1392	493777.33, 3860602.55	2.33E-03	7.35E-07	2.14E-07	2.52E-03	7.94E-07	2.31E-07	4.00E-03	1.26E-06	3.67E-07
1393	493827.33, 3860602.55	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.92E-07	2.30E-07	3.99E-03	1.26E-06	3.67E-07
1394	493877.33, 3860602.55	2.32E-03	7.33E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.99E-03	1.26E-06	3.66E-07
1395	493927.33, 3860602.55	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.90E-07	2.30E-07	3.98E-03	1.26E-06	3.66E-07
1396	493977.33, 3860602.55	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.98E-03	1.25E-06	3.65E-07
1397	494027.33, 3860602.55	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.86E-07	2.29E-07	3.96E-03	1.25E-06	3.64E-07
1398	493627.33, 3860652.55	2.30E-03	7.26E-07	2.11E-07	2.48E-03	7.84E-07	2.28E-07	3.95E-03	1.25E-06	3.62E-07
1399	493727.33, 3860652.55	2.28E-03	7.20E-07	2.10E-07	2.46E-03	7.78E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07

1400 493777.33, 3860652.55	2.28E-03	7.20E-07	2.09E-07	2.46E-03	7.77E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1401 493827.33, 3860652.55	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.91E-03	1.24E-06	3.59E-07
1402 493877.33, 3860652.55	2.28E-03	7.18E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.91E-03	1.23E-06	3.59E-07
1403 493927.33, 3860652.55	2.27E-03	7.17E-07	2.09E-07	2.45E-03	7.74E-07	2.25E-07	3.90E-03	1.23E-06	3.58E-07
1404 493977.33, 3860652.55	2.27E-03	7.15E-07	2.08E-07	2.45E-03	7.73E-07	2.25E-07	3.90E-03	1.23E-06	3.58E-07
1405 494027.33, 3860652.55	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
1406 494311.06, 3858401.99	2.58E-03	8.13E-07	2.37E-07	2.78E-03	8.78E-07	2.55E-07	4.43E-03	1.40E-06	4.07E-07
1407 494361.06, 3858401.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	3.99E-07
1408 494411.06, 3858401.99	2.50E-03	7.89E-07	2.29E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
1409 494461.06, 3858401.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
1410 494511.06, 3858401.99	2.45E-03	7.73E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
1411 494561.06, 3858401.99	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1412 494611.06, 3858401.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.12E-03	1.30E-06	3.79E-07
1413 494661.06, 3858401.99	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.08E-03	1.29E-06	3.74E-07
1414 494711.06, 3858401.99	2.33E-03	7.35E-07	2.14E-07	2.51E-03	7.93E-07	2.31E-07	4.00E-03	1.26E-06	3.67E-07
1415 494761.06, 3858401.99	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.86E-07	2.29E-07	3.96E-03	1.25E-06	3.64E-07
1416 494811.06, 3858401.99	2.27E-03	7.18E-07	2.09E-07	2.45E-03	7.75E-07	2.25E-07	3.91E-03	1.23E-06	3.59E-07
1417 494861.06, 3858401.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.23E-07	3.86E-03	1.22E-06	3.54E-07
1418 494911.06, 3858401.99	2.22E-03	7.00E-07	2.03E-07	2.39E-03	7.55E-07	2.20E-07	3.81E-03	1.20E-06	3.50E-07
1419 494961.06, 3858401.99	2.19E-03	6.90E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.76E-03	1.19E-06	3.45E-07
1420 495011.06, 3858401.99	2.15E-03	6.79E-07	1.97E-07	2.32E-03	7.33E-07	2.13E-07	3.70E-03	1.17E-06	3.39E-07
1421 495061.06, 3858401.99	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.64E-03	1.15E-06	3.35E-07
1422 495111.06, 3858401.99	2.07E-03	6.52E-07	1.90E-07	2.23E-03	7.04E-07	2.05E-07	3.55E-03	1.12E-06	3.26E-07
1423 495161.06, 3858401.99	2.06E-03	6.49E-07	1.89E-07	2.22E-03	7.01E-07	2.04E-07	3.53E-03	1.12E-06	3.24E-07
1424 495211.06, 3858401.99	2.01E-03	6.34E-07	1.85E-07	2.17E-03	6.85E-07	1.99E-07	3.45E-03	1.09E-06	3.17E-07
1425 495261.06, 3858401.99	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.76E-07	1.97E-07	3.41E-03	1.08E-06	3.13E-07
1426 495311.06, 3858401.99	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.67E-07	1.94E-07	3.36E-03	1.06E-06	3.09E-07
1427 495361.06, 3858401.99	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.33E-03	1.05E-06	3.06E-07
1428 495411.06, 3858401.99	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.31E-03	1.05E-06	3.04E-07
1429 495461.06, 3858401.99	1.92E-03	6.06E-07	1.76E-07	2.07E-03	6.55E-07	1.90E-07	3.30E-03	1.04E-06	3.03E-07
1430 495511.06, 3858401.99	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.51E-07	1.89E-07	3.28E-03	1.04E-06	3.01E-07
1431 495561.06, 3858401.99	1.89E-03	5.95E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.24E-03	1.02E-06	2.97E-07
1432 495611.06, 3858401.99	1.88E-03	5.92E-07	1.72E-07	2.03E-03	6.39E-07	1.86E-07	3.22E-03	1.02E-06	2.96E-07
1433 495661.06, 3858401.99	1.89E-03	5.96E-07	1.73E-07	2.04E-03	6.43E-07	1.87E-07	3.24E-03	1.02E-06	2.98E-07
1434 494311.06, 3858451.99	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
1435 494361.06, 3858451.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.45E-03	1.41E-06	4.09E-07
1436 494411.06, 3858451.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
1437 494461.06, 3858451.99	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.35E-03	1.37E-06	3.99E-07
1438 494511.06, 3858451.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
1439 494561.06, 3858451.99	2.48E-03	7.82E-07	2.27E-07	2.67E-03	8.44E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
1440 494611.06, 3858451.99	2.45E-03	7.73E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
1441 494661.06, 3858451.99	2.42E-03	7.64E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
1442 494711.06, 3858451.99	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.10E-03	1.29E-06	3.76E-07
1443 494761.06, 3858451.99	2.35E-03	7.41E-07	2.15E-07	2.53E-03	8.00E-07	2.33E-07	4.04E-03	1.27E-06	3.70E-07
1444 494811.06, 3858451.99	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.90E-07	2.30E-07	3.98E-03	1.26E-06	3.66E-07
1445 494861.06, 3858451.99	2.28E-03	7.21E-07	2.10E-07	2.47E-03	7.78E-07	2.26E-07	3.93E-03	1.24E-06	3.60E-07
1446 494911.06, 3858451.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.64E-07	2.22E-07	3.85E-03	1.22E-06	3.54E-07
1447 494961.06, 3858451.99	2.21E-03	6.97E-07	2.03E-07	2.38E-03	7.53E-07	2.19E-07	3.80E-03	1.20E-06	3.48E-07
1448 495011.06, 3858451.99	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.73E-03	1.18E-06	3.42E-07
1449 495061.06, 3858451.99	2.15E-03	6.79E-07	1.97E-07	2.32E-03	7.33E-07	2.13E-07	3.70E-03	1.17E-06	3.39E-07
1450 495111.06, 3858451.99	2.11E-03	6.67E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.63E-03	1.15E-06	3.33E-07
1451 495161.06, 3858451.99	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.56E-03	1.12E-06	3.26E-07
1452 495211.06, 3858451.99	2.03E-03	6.41E-07	1.86E-07	2.19E-03	6.92E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
1453 495261.06, 3858451.99	2.01E-03	6.33E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.45E-03	1.09E-06	3.16E-07
1454 495311.06, 3858451.99	1.99E-03	6.27E-07	1.82E-07	2.14E-03	6.77E-07	1.97E-07	3.41E-03	1.08E-06	3.13E-07
1455 495361.06, 3858451.99	1.97E-03	6.21E-07	1.81E-07	2.12E-03	6.71E-07	1.95E-07	3.38E-03	1.07E-06	3.10E-07
1456 495411.06, 3858451.99	1.96E-03	6.18E-07	1.80E-07	2.12E-03	6.68E-07	1.94E-07	3.37E-03	1.06E-06	3.09E-07
1457 495461.06, 3858451.99	1.95E-03	6.16E-07	1.79E-07	2.11E-03	6.65E-07	1.94E-07	3.36E-03	1.06E-06	3.08E-07
1458 495511.06, 3858451.99	1.93E-03	6.10E-07	1.77E-07	2.09E-03	6.59E-07	1.92E-07	3.32E-03	1.05E-06	3.05E-07
1459 495561.06, 3858451.99	1.93E-03	6.10E-07	1.78E-07	2.09E-03	6.59E-07	1.92E-07	3.32E-03	1.05E-06	3.05E-07
1460 495611.06, 3858451.99	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.51E-07	1.89E-07	3.28E-03	1.04E-06	3.01E-07

1461	495661.06, 3858451.99	1.91E-03	6.01E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.27E-03	1.03E-06	3.01E-07
1462	494311.06, 3858501.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1463	494361.06, 3858501.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
1464	494411.06, 3858501.99	2.58E-03	8.14E-07	2.37E-07	2.79E-03	8.79E-07	2.56E-07	4.44E-03	1.40E-06	4.07E-07
1465	494461.06, 3858501.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
1466	494511.06, 3858501.99	2.52E-03	7.96E-07	2.32E-07	2.72E-03	8.60E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1467	494561.06, 3858501.99	2.52E-03	7.96E-07	2.32E-07	2.72E-03	8.60E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1468	494611.06, 3858501.99	2.49E-03	7.86E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
1469	494661.06, 3858501.99	2.47E-03	7.79E-07	2.27E-07	2.66E-03	8.41E-07	2.45E-07	4.24E-03	1.34E-06	3.89E-07
1470	494711.06, 3858501.99	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
1471	494761.06, 3858501.99	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.10E-03	1.30E-06	3.77E-07
1472	494811.06, 3858501.99	2.35E-03	7.41E-07	2.16E-07	2.54E-03	8.00E-07	2.33E-07	4.04E-03	1.27E-06	3.71E-07
1473	494861.06, 3858501.99	2.32E-03	7.33E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.99E-03	1.26E-06	3.66E-07
1474	494911.06, 3858501.99	2.27E-03	7.16E-07	2.08E-07	2.45E-03	7.73E-07	2.25E-07	3.90E-03	1.23E-06	3.58E-07
1475	494961.06, 3858501.99	2.24E-03	7.07E-07	2.06E-07	2.42E-03	7.64E-07	2.22E-07	3.85E-03	1.22E-06	3.54E-07
1476	495011.06, 3858501.99	2.20E-03	6.93E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.77E-03	1.19E-06	3.47E-07
1477	495061.06, 3858501.99	2.18E-03	6.87E-07	2.00E-07	2.35E-03	7.42E-07	2.16E-07	3.74E-03	1.18E-06	3.43E-07
1478	495111.06, 3858501.99	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.65E-03	1.15E-06	3.35E-07
1479	495161.06, 3858501.99	2.09E-03	6.59E-07	1.92E-07	2.25E-03	7.11E-07	2.07E-07	3.59E-03	1.13E-06	3.29E-07
1480	495211.06, 3858501.99	2.05E-03	6.48E-07	1.89E-07	2.22E-03	7.00E-07	2.04E-07	3.53E-03	1.11E-06	3.24E-07
1481	495261.06, 3858501.99	2.03E-03	6.40E-07	1.86E-07	2.19E-03	6.91E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
1482	495311.06, 3858501.99	2.01E-03	6.36E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
1483	495361.06, 3858501.99	2.00E-03	6.31E-07	1.84E-07	2.16E-03	6.82E-07	1.98E-07	3.44E-03	1.08E-06	3.16E-07
1484	495411.06, 3858501.99	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.42E-03	1.08E-06	3.14E-07
1485	495461.06, 3858501.99	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.41E-03	1.07E-06	3.13E-07
1486	495511.06, 3858501.99	1.97E-03	6.21E-07	1.81E-07	2.13E-03	6.71E-07	1.95E-07	3.38E-03	1.07E-06	3.10E-07
1487	495561.06, 3858501.99	1.97E-03	6.21E-07	1.81E-07	2.13E-03	6.71E-07	1.95E-07	3.38E-03	1.07E-06	3.11E-07
1488	495611.06, 3858501.99	1.94E-03	6.13E-07	1.78E-07	2.10E-03	6.62E-07	1.93E-07	3.34E-03	1.05E-06	3.07E-07
1489	495661.06, 3858501.99	1.94E-03	6.13E-07	1.78E-07	2.10E-03	6.62E-07	1.93E-07	3.34E-03	1.05E-06	3.07E-07
1490	494311.06, 3858551.99	2.59E-03	8.17E-07	2.38E-07	2.79E-03	8.82E-07	2.57E-07	4.45E-03	1.40E-06	4.08E-07
1491	494361.06, 3858551.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.47E-03	1.41E-06	4.11E-07
1492	494411.06, 3858551.99	2.62E-03	8.27E-07	2.40E-07	2.83E-03	8.93E-07	2.60E-07	4.50E-03	1.42E-06	4.14E-07
1493	494461.06, 3858551.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
1494	494511.06, 3858551.99	2.59E-03	8.17E-07	2.38E-07	2.79E-03	8.82E-07	2.57E-07	4.45E-03	1.40E-06	4.08E-07
1495	494561.06, 3858551.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.55E-07	4.41E-03	1.39E-06	4.05E-07
1496	494611.06, 3858551.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
1497	494661.06, 3858551.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
1498	494711.06, 3858551.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.91E-07
1499	494761.06, 3858551.99	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1500	494811.06, 3858551.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
1501	494861.06, 3858551.99	2.36E-03	7.44E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.05E-03	1.28E-06	3.72E-07
1502	494911.06, 3858551.99	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.97E-03	1.25E-06	3.65E-07
1503	494961.06, 3858551.99	2.27E-03	7.18E-07	2.09E-07	2.46E-03	7.75E-07	2.25E-07	3.91E-03	1.23E-06	3.59E-07
1504	495011.06, 3858551.99	2.23E-03	7.03E-07	2.05E-07	2.41E-03	7.59E-07	2.21E-07	3.83E-03	1.21E-06	3.52E-07
1505	495061.06, 3858551.99	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.50E-07	2.18E-07	3.78E-03	1.19E-06	3.47E-07
1506	495111.06, 3858551.99	2.14E-03	6.77E-07	1.97E-07	2.32E-03	7.31E-07	2.13E-07	3.68E-03	1.16E-06	3.38E-07
1507	495161.06, 3858551.99	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.19E-07	2.09E-07	3.62E-03	1.14E-06	3.33E-07
1508	495211.06, 3858551.99	2.08E-03	6.56E-07	1.91E-07	2.24E-03	7.08E-07	2.06E-07	3.57E-03	1.13E-06	3.28E-07
1509	495261.06, 3858551.99	2.06E-03	6.49E-07	1.89E-07	2.22E-03	7.01E-07	2.04E-07	3.53E-03	1.11E-06	3.24E-07
1510	495311.06, 3858551.99	2.04E-03	6.45E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.51E-03	1.11E-06	3.23E-07
1511	495361.06, 3858551.99	2.03E-03	6.41E-07	1.86E-07	2.19E-03	6.92E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
1512	495411.06, 3858551.99	2.02E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.48E-03	1.10E-06	3.19E-07
1513	495461.06, 3858551.99	2.01E-03	6.35E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
1514	495511.06, 3858551.99	2.01E-03	6.33E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.45E-03	1.09E-06	3.17E-07
1515	495561.06, 3858551.99	2.00E-03	6.30E-07	1.83E-07	2.16E-03	6.80E-07	1.98E-07	3.43E-03	1.08E-06	3.15E-07
1516	495611.06, 3858551.99	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.41E-03	1.08E-06	3.13E-07
1517	495661.06, 3858551.99	1.97E-03	6.21E-07	1.81E-07	2.12E-03	6.70E-07	1.95E-07	3.38E-03	1.07E-06	3.10E-07
1518	494311.06, 3858601.99	2.47E-03	7.79E-07	2.27E-07	2.67E-03	8.41E-07	2.45E-07	4.24E-03	1.34E-06	3.89E-07
1519	494361.06, 3858601.99	2.58E-03	8.15E-07	2.37E-07	2.79E-03	8.80E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
1520	494411.06, 3858601.99	2.67E-03	8.44E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
1521	494461.06, 3858601.99	2.66E-03	8.40E-07	2.44E-07	2.88E-03	9.07E-07	2.64E-07	4.58E-03	1.45E-06	4.20E-07

1522	494511.06, 3858601.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
1523	494561.06, 3858601.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
1524	494611.06, 3858601.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.45E-03	1.41E-06	4.09E-07
1525	494661.06, 3858601.99	2.56E-03	8.09E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1526	494711.06, 3858601.99	2.52E-03	7.96E-07	2.32E-07	2.72E-03	8.60E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1527	494761.06, 3858601.99	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
1528	494811.06, 3858601.99	2.42E-03	7.65E-07	2.22E-07	2.62E-03	8.26E-07	2.40E-07	4.17E-03	1.31E-06	3.82E-07
1529	494861.06, 3858601.99	2.39E-03	7.55E-07	2.20E-07	2.58E-03	8.15E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
1530	494911.06, 3858601.99	2.34E-03	7.38E-07	2.15E-07	2.52E-03	7.97E-07	2.32E-07	4.02E-03	1.27E-06	3.69E-07
1531	494961.06, 3858601.99	2.30E-03	7.26E-07	2.11E-07	2.48E-03	7.84E-07	2.28E-07	3.95E-03	1.25E-06	3.63E-07
1532	495011.06, 3858601.99	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
1533	495061.06, 3858601.99	2.22E-03	7.01E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.82E-03	1.20E-06	3.50E-07
1534	495111.06, 3858601.99	2.16E-03	6.83E-07	1.99E-07	2.34E-03	7.37E-07	2.14E-07	3.72E-03	1.17E-06	3.41E-07
1535	495161.06, 3858601.99	2.13E-03	6.72E-07	1.96E-07	2.30E-03	7.26E-07	2.11E-07	3.66E-03	1.16E-06	3.36E-07
1536	495211.06, 3858601.99	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.19E-07	2.09E-07	3.63E-03	1.14E-06	3.33E-07
1537	495261.06, 3858601.99	2.09E-03	6.58E-07	1.92E-07	2.25E-03	7.11E-07	2.07E-07	3.59E-03	1.13E-06	3.29E-07
1538	495311.06, 3858601.99	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.56E-03	1.12E-06	3.26E-07
1539	495361.06, 3858601.99	2.06E-03	6.50E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
1540	495411.06, 3858601.99	2.05E-03	6.47E-07	1.88E-07	2.21E-03	6.98E-07	2.03E-07	3.52E-03	1.11E-06	3.23E-07
1541	495461.06, 3858601.99	2.04E-03	6.44E-07	1.87E-07	2.20E-03	6.95E-07	2.02E-07	3.51E-03	1.11E-06	3.22E-07
1542	495511.06, 3858601.99	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.48E-03	1.10E-06	3.19E-07
1543	495561.06, 3858601.99	2.02E-03	6.37E-07	1.85E-07	2.18E-03	6.88E-07	2.00E-07	3.47E-03	1.10E-06	3.19E-07
1544	495611.06, 3858601.99	2.00E-03	6.31E-07	1.83E-07	2.16E-03	6.81E-07	1.98E-07	3.43E-03	1.08E-06	3.15E-07
1545	495661.06, 3858601.99	1.99E-03	6.29E-07	1.83E-07	2.15E-03	6.79E-07	1.97E-07	3.42E-03	1.08E-06	3.14E-07
1546	494311.06, 3858651.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.20E-03	1.32E-06	3.85E-07
1547	494361.06, 3858651.99	2.55E-03	8.06E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
1548	494411.06, 3858651.99	2.69E-03	8.49E-07	2.47E-07	2.90E-03	9.17E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
1549	494461.06, 3858651.99	2.70E-03	8.54E-07	2.48E-07	2.92E-03	9.22E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1550	494511.06, 3858651.99	2.68E-03	8.46E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.61E-03	1.46E-06	4.23E-07
1551	494561.06, 3858651.99	2.67E-03	8.41E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
1552	494611.06, 3858651.99	2.64E-03	8.34E-07	2.43E-07	2.85E-03	9.01E-07	2.62E-07	4.55E-03	1.43E-06	4.17E-07
1553	494661.06, 3858651.99	2.61E-03	8.23E-07	2.39E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
1554	494711.06, 3858651.99	2.56E-03	8.09E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1555	494761.06, 3858651.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.34E-03	1.37E-06	3.99E-07
1556	494811.06, 3858651.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1557	494861.06, 3858651.99	2.42E-03	7.65E-07	2.23E-07	2.62E-03	8.26E-07	2.40E-07	4.17E-03	1.32E-06	3.83E-07
1558	494911.06, 3858651.99	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.08E-03	1.29E-06	3.74E-07
1559	494961.06, 3858651.99	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.92E-07	2.30E-07	4.00E-03	1.26E-06	3.67E-07
1560	495011.06, 3858651.99	2.29E-03	7.22E-07	2.10E-07	2.47E-03	7.80E-07	2.27E-07	3.93E-03	1.24E-06	3.61E-07
1561	495061.06, 3858651.99	2.25E-03	7.09E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.86E-03	1.22E-06	3.55E-07
1562	495111.06, 3858651.99	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.78E-03	1.19E-06	3.47E-07
1563	495161.06, 3858651.99	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.73E-03	1.18E-06	3.42E-07
1564	495211.06, 3858651.99	2.13E-03	6.73E-07	1.96E-07	2.30E-03	7.27E-07	2.11E-07	3.67E-03	1.16E-06	3.37E-07
1565	495261.06, 3858651.99	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.65E-03	1.15E-06	3.35E-07
1566	495311.06, 3858651.99	2.10E-03	6.64E-07	1.93E-07	2.27E-03	7.17E-07	2.09E-07	3.62E-03	1.14E-06	3.32E-07
1567	495361.06, 3858651.99	2.09E-03	6.60E-07	1.92E-07	2.26E-03	7.13E-07	2.07E-07	3.60E-03	1.14E-06	3.30E-07
1568	495411.06, 3858651.99	2.08E-03	6.58E-07	1.91E-07	2.25E-03	7.11E-07	2.07E-07	3.58E-03	1.13E-06	3.29E-07
1569	495461.06, 3858651.99	2.08E-03	6.57E-07	1.91E-07	2.25E-03	7.10E-07	2.06E-07	3.58E-03	1.13E-06	3.29E-07
1570	495511.06, 3858651.99	2.06E-03	6.51E-07	1.89E-07	2.23E-03	7.02E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
1571	495561.06, 3858651.99	2.05E-03	6.46E-07	1.88E-07	2.21E-03	6.97E-07	2.03E-07	3.52E-03	1.11E-06	3.23E-07
1572	495611.06, 3858651.99	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.47E-03	1.10E-06	3.19E-07
1573	495661.06, 3858651.99	2.01E-03	6.35E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
1574	494311.06, 3858701.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1575	494361.06, 3858701.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.98E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1576	494411.06, 3858701.99	2.73E-03	8.61E-07	2.50E-07	2.95E-03	9.30E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
1577	494461.06, 3858701.99	2.73E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
1578	494511.06, 3858701.99	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
1579	494561.06, 3858701.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1580	494611.06, 3858701.99	2.65E-03	8.35E-07	2.43E-07	2.86E-03	9.02E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
1581	494661.06, 3858701.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
1582	494711.06, 3858701.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.34E-03	1.37E-06	3.99E-07

1583	494761.06, 3858701.99	2.55E-03	8.03E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1584	494811.06, 3858701.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.29E-03	1.35E-06	3.93E-07
1585	494861.06, 3858701.99	2.45E-03	7.73E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
1586	494911.06, 3858701.99	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1587	494961.06, 3858701.99	2.34E-03	7.39E-07	2.15E-07	2.53E-03	7.98E-07	2.32E-07	4.02E-03	1.27E-06	3.69E-07
1588	495011.06, 3858701.99	2.30E-03	7.25E-07	2.11E-07	2.48E-03	7.82E-07	2.28E-07	3.95E-03	1.25E-06	3.62E-07
1589	495061.06, 3858701.99	2.27E-03	7.18E-07	2.09E-07	2.46E-03	7.75E-07	2.26E-07	3.91E-03	1.23E-06	3.59E-07
1590	495111.06, 3858701.99	2.22E-03	7.02E-07	2.04E-07	2.40E-03	7.58E-07	2.20E-07	3.82E-03	1.21E-06	3.51E-07
1591	495161.06, 3858701.99	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.78E-03	1.19E-06	3.47E-07
1592	495211.06, 3858701.99	2.16E-03	6.83E-07	1.99E-07	2.34E-03	7.37E-07	2.14E-07	3.72E-03	1.17E-06	3.41E-07
1593	495261.06, 3858701.99	2.15E-03	6.80E-07	1.98E-07	2.32E-03	7.34E-07	2.13E-07	3.70E-03	1.17E-06	3.40E-07
1594	495311.06, 3858701.99	2.14E-03	6.77E-07	1.97E-07	2.31E-03	7.31E-07	2.13E-07	3.68E-03	1.16E-06	3.38E-07
1595	495361.06, 3858701.99	2.13E-03	6.72E-07	1.95E-07	2.30E-03	7.26E-07	2.11E-07	3.66E-03	1.15E-06	3.36E-07
1596	495411.06, 3858701.99	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.24E-07	2.11E-07	3.65E-03	1.15E-06	3.35E-07
1597	495461.06, 3858701.99	2.11E-03	6.67E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.63E-03	1.15E-06	3.33E-07
1598	495511.06, 3858701.99	2.10E-03	6.62E-07	1.92E-07	2.26E-03	7.14E-07	2.08E-07	3.60E-03	1.14E-06	3.31E-07
1599	495561.06, 3858701.99	2.08E-03	6.55E-07	1.91E-07	2.24E-03	7.07E-07	2.06E-07	3.57E-03	1.13E-06	3.28E-07
1600	495611.06, 3858701.99	2.06E-03	6.49E-07	1.89E-07	2.22E-03	7.00E-07	2.04E-07	3.53E-03	1.11E-06	3.24E-07
1601	495661.06, 3858701.99	2.04E-03	6.45E-07	1.87E-07	2.21E-03	6.96E-07	2.02E-07	3.51E-03	1.11E-06	3.22E-07
1602	494311.06, 3858751.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.57E-07	2.49E-07	4.32E-03	1.36E-06	3.97E-07
1603	494361.06, 3858751.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1604	494411.06, 3858751.99	2.77E-03	8.76E-07	2.55E-07	3.00E-03	9.46E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1605	494461.06, 3858751.99	2.77E-03	8.75E-07	2.54E-07	2.99E-03	9.44E-07	2.75E-07	4.77E-03	1.50E-06	4.38E-07
1606	494511.06, 3858751.99	2.78E-03	8.77E-07	2.55E-07	3.00E-03	9.47E-07	2.75E-07	4.78E-03	1.51E-06	4.39E-07
1607	494561.06, 3858751.99	2.74E-03	8.65E-07	2.51E-07	2.96E-03	9.34E-07	2.72E-07	4.71E-03	1.49E-06	4.33E-07
1608	494611.06, 3858751.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.63E-03	1.46E-06	4.26E-07
1609	494661.06, 3858751.99	2.66E-03	8.41E-07	2.44E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
1610	494711.06, 3858751.99	2.60E-03	8.19E-07	2.38E-07	2.80E-03	8.85E-07	2.57E-07	4.47E-03	1.41E-06	4.10E-07
1611	494761.06, 3858751.99	2.58E-03	8.14E-07	2.37E-07	2.78E-03	8.79E-07	2.56E-07	4.44E-03	1.40E-06	4.07E-07
1612	494811.06, 3858751.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1613	494861.06, 3858751.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1614	494911.06, 3858751.99	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1615	494961.06, 3858751.99	2.37E-03	7.50E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.08E-03	1.29E-06	3.75E-07
1616	495011.06, 3858751.99	2.35E-03	7.41E-07	2.15E-07	2.53E-03	8.00E-07	2.33E-07	4.04E-03	1.27E-06	3.70E-07
1617	495061.06, 3858751.99	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.86E-07	2.29E-07	3.96E-03	1.25E-06	3.64E-07
1618	495111.06, 3858751.99	2.26E-03	7.12E-07	2.07E-07	2.44E-03	7.69E-07	2.24E-07	3.88E-03	1.22E-06	3.56E-07
1619	495161.06, 3858751.99	2.23E-03	7.04E-07	2.05E-07	2.41E-03	7.60E-07	2.21E-07	3.83E-03	1.21E-06	3.52E-07
1620	495211.06, 3858751.99	2.19E-03	6.93E-07	2.01E-07	2.37E-03	7.48E-07	2.18E-07	3.77E-03	1.19E-06	3.46E-07
1621	495261.06, 3858751.99	2.18E-03	6.89E-07	2.00E-07	2.36E-03	7.44E-07	2.16E-07	3.75E-03	1.18E-06	3.44E-07
1622	495311.06, 3858751.99	2.17E-03	6.86E-07	2.00E-07	2.35E-03	7.41E-07	2.15E-07	3.74E-03	1.18E-06	3.43E-07
1623	495361.06, 3858751.99	2.16E-03	6.82E-07	1.98E-07	2.33E-03	7.36E-07	2.14E-07	3.71E-03	1.17E-06	3.41E-07
1624	495411.06, 3858751.99	2.16E-03	6.81E-07	1.98E-07	2.33E-03	7.35E-07	2.14E-07	3.71E-03	1.17E-06	3.41E-07
1625	495461.06, 3858751.99	2.15E-03	6.77E-07	1.97E-07	2.32E-03	7.32E-07	2.13E-07	3.69E-03	1.16E-06	3.39E-07
1626	495511.06, 3858751.99	2.13E-03	6.72E-07	1.95E-07	2.30E-03	7.26E-07	2.11E-07	3.66E-03	1.16E-06	3.36E-07
1627	495561.06, 3858751.99	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.19E-07	2.09E-07	3.63E-03	1.14E-06	3.33E-07
1628	495611.06, 3858751.99	2.09E-03	6.60E-07	1.92E-07	2.26E-03	7.12E-07	2.07E-07	3.59E-03	1.13E-06	3.30E-07
1629	495661.06, 3858751.99	2.07E-03	6.55E-07	1.90E-07	2.24E-03	7.07E-07	2.06E-07	3.57E-03	1.13E-06	3.27E-07
1630	494311.06, 3858801.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.45E-03	1.41E-06	4.09E-07
1631	494361.06, 3858801.99	2.76E-03	8.70E-07	2.53E-07	2.98E-03	9.40E-07	2.73E-07	4.74E-03	1.50E-06	4.35E-07
1632	494411.06, 3858801.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
1633	494461.06, 3858801.99	2.81E-03	8.87E-07	2.58E-07	3.03E-03	9.57E-07	2.78E-07	4.83E-03	1.53E-06	4.44E-07
1634	494511.06, 3858801.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.85E-03	1.53E-06	4.46E-07
1635	494561.06, 3858801.99	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.56E-07	2.78E-07	4.82E-03	1.52E-06	4.43E-07
1636	494611.06, 3858801.99	2.77E-03	8.75E-07	2.55E-07	3.00E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1637	494661.06, 3858801.99	2.73E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
1638	494711.06, 3858801.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.65E-07	4.59E-03	1.45E-06	4.21E-07
1639	494761.06, 3858801.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.48E-03	1.41E-06	4.11E-07
1640	494811.06, 3858801.99	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.64E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
1641	494861.06, 3858801.99	2.50E-03	7.89E-07	2.29E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
1642	494911.06, 3858801.99	2.45E-03	7.72E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.21E-03	1.33E-06	3.86E-07
1643	494961.06, 3858801.99	2.41E-03	7.59E-07	2.21E-07	2.60E-03	8.20E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07

1644	495011.06, 3858801.99	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1645	495061.06, 3858801.99	2.34E-03	7.38E-07	2.15E-07	2.52E-03	7.96E-07	2.32E-07	4.02E-03	1.27E-06	3.69E-07
1646	495111.06, 3858801.99	2.28E-03	7.20E-07	2.10E-07	2.47E-03	7.78E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1647	495161.06, 3858801.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.22E-07	3.86E-03	1.22E-06	3.54E-07
1648	495211.06, 3858801.99	2.22E-03	7.02E-07	2.04E-07	2.40E-03	7.58E-07	2.20E-07	3.82E-03	1.21E-06	3.51E-07
1649	495261.06, 3858801.99	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.54E-07	2.19E-07	3.80E-03	1.20E-06	3.49E-07
1650	495311.06, 3858801.99	2.21E-03	6.96E-07	2.03E-07	2.38E-03	7.52E-07	2.19E-07	3.79E-03	1.20E-06	3.48E-07
1651	495361.06, 3858801.99	2.19E-03	6.92E-07	2.01E-07	2.37E-03	7.48E-07	2.17E-07	3.77E-03	1.19E-06	3.46E-07
1652	495411.06, 3858801.99	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.49E-07	2.18E-07	3.78E-03	1.19E-06	3.47E-07
1653	495461.06, 3858801.99	2.18E-03	6.89E-07	2.00E-07	2.36E-03	7.44E-07	2.16E-07	3.75E-03	1.18E-06	3.45E-07
1654	495511.06, 3858801.99	2.16E-03	6.83E-07	1.99E-07	2.34E-03	7.37E-07	2.14E-07	3.72E-03	1.17E-06	3.41E-07
1655	495561.06, 3858801.99	2.15E-03	6.77E-07	1.97E-07	2.32E-03	7.31E-07	2.13E-07	3.69E-03	1.16E-06	3.39E-07
1656	495611.06, 3858801.99	2.12E-03	6.69E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.65E-03	1.15E-06	3.35E-07
1657	495661.06, 3858801.99	2.11E-03	6.65E-07	1.94E-07	2.28E-03	7.18E-07	2.09E-07	3.62E-03	1.14E-06	3.33E-07
1658	494311.06, 3858851.99	2.77E-03	8.75E-07	2.54E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1659	494361.06, 3858851.99	2.87E-03	9.05E-07	2.63E-07	3.10E-03	9.77E-07	2.84E-07	4.93E-03	1.56E-06	4.53E-07
1660	494411.06, 3858851.99	2.86E-03	9.01E-07	2.62E-07	3.08E-03	9.73E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
1661	494461.06, 3858851.99	2.86E-03	9.02E-07	2.62E-07	3.09E-03	9.74E-07	2.83E-07	4.92E-03	1.55E-06	4.52E-07
1662	494511.06, 3858851.99	2.86E-03	9.01E-07	2.62E-07	3.08E-03	9.73E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
1663	494561.06, 3858851.99	2.83E-03	8.95E-07	2.60E-07	3.06E-03	9.66E-07	2.81E-07	4.88E-03	1.54E-06	4.48E-07
1664	494611.06, 3858851.99	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.81E-03	1.52E-06	4.42E-07
1665	494661.06, 3858851.99	2.75E-03	8.68E-07	2.52E-07	2.97E-03	9.37E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
1666	494711.06, 3858851.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
1667	494761.06, 3858851.99	2.62E-03	8.27E-07	2.40E-07	2.83E-03	8.93E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
1668	494811.06, 3858851.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1669	494861.06, 3858851.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
1670	494911.06, 3858851.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
1671	494961.06, 3858851.99	2.44E-03	7.70E-07	2.24E-07	2.64E-03	8.32E-07	2.42E-07	4.20E-03	1.33E-06	3.85E-07
1672	495011.06, 3858851.99	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.20E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
1673	495061.06, 3858851.99	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.28E-06	3.74E-07
1674	495111.06, 3858851.99	2.30E-03	7.25E-07	2.11E-07	2.48E-03	7.82E-07	2.28E-07	3.95E-03	1.25E-06	3.62E-07
1675	495161.06, 3858851.99	2.26E-03	7.13E-07	2.07E-07	2.44E-03	7.70E-07	2.24E-07	3.88E-03	1.23E-06	3.56E-07
1676	495211.06, 3858851.99	2.26E-03	7.13E-07	2.07E-07	2.44E-03	7.70E-07	2.24E-07	3.88E-03	1.23E-06	3.56E-07
1677	495261.06, 3858851.99	2.25E-03	7.09E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.86E-03	1.22E-06	3.55E-07
1678	495311.06, 3858851.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.22E-07	3.86E-03	1.22E-06	3.54E-07
1679	495361.06, 3858851.99	2.23E-03	7.05E-07	2.05E-07	2.41E-03	7.61E-07	2.21E-07	3.84E-03	1.21E-06	3.53E-07
1680	495411.06, 3858851.99	2.23E-03	7.02E-07	2.04E-07	2.40E-03	7.58E-07	2.21E-07	3.83E-03	1.21E-06	3.51E-07
1681	495461.06, 3858851.99	2.22E-03	7.00E-07	2.04E-07	2.40E-03	7.56E-07	2.20E-07	3.82E-03	1.20E-06	3.50E-07
1682	495511.06, 3858851.99	2.20E-03	6.96E-07	2.02E-07	2.38E-03	7.51E-07	2.18E-07	3.79E-03	1.20E-06	3.48E-07
1683	495561.06, 3858851.99	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.39E-07	2.15E-07	3.73E-03	1.18E-06	3.42E-07
1684	495611.06, 3858851.99	2.14E-03	6.76E-07	1.97E-07	2.31E-03	7.30E-07	2.12E-07	3.68E-03	1.16E-06	3.38E-07
1685	495661.06, 3858851.99	2.14E-03	6.74E-07	1.96E-07	2.31E-03	7.28E-07	2.12E-07	3.67E-03	1.16E-06	3.37E-07
1686	494311.06, 3858901.99	2.84E-03	8.98E-07	2.61E-07	3.07E-03	9.69E-07	2.82E-07	4.90E-03	1.54E-06	4.49E-07
1687	494361.06, 3858901.99	2.91E-03	9.20E-07	2.67E-07	3.15E-03	9.93E-07	2.89E-07	5.02E-03	1.58E-06	4.60E-07
1688	494411.06, 3858901.99	2.92E-03	9.20E-07	2.68E-07	3.15E-03	9.94E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
1689	494461.06, 3858901.99	2.92E-03	9.23E-07	2.68E-07	3.16E-03	9.96E-07	2.90E-07	5.03E-03	1.59E-06	4.62E-07
1690	494511.06, 3858901.99	2.91E-03	9.20E-07	2.68E-07	3.15E-03	9.94E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
1691	494561.06, 3858901.99	2.88E-03	9.08E-07	2.64E-07	3.11E-03	9.81E-07	2.85E-07	4.95E-03	1.56E-06	4.55E-07
1692	494611.06, 3858901.99	2.81E-03	8.87E-07	2.58E-07	3.03E-03	9.58E-07	2.79E-07	4.84E-03	1.53E-06	4.44E-07
1693	494661.06, 3858901.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1694	494711.06, 3858901.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.67E-03	1.47E-06	4.29E-07
1695	494761.06, 3858901.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
1696	494811.06, 3858901.99	2.60E-03	8.20E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.47E-03	1.41E-06	4.10E-07
1697	494861.06, 3858901.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.42E-03	1.39E-06	4.05E-07
1698	494911.06, 3858901.99	2.50E-03	7.89E-07	2.29E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
1699	494961.06, 3858901.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.34E-06	3.89E-07
1700	495011.06, 3858901.99	2.43E-03	7.65E-07	2.23E-07	2.62E-03	8.27E-07	2.40E-07	4.17E-03	1.32E-06	3.83E-07
1701	495061.06, 3858901.99	2.37E-03	7.49E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.08E-03	1.29E-06	3.75E-07
1702	495111.06, 3858901.99	2.30E-03	7.26E-07	2.11E-07	2.49E-03	7.84E-07	2.28E-07	3.96E-03	1.25E-06	3.63E-07
1703	495161.06, 3858901.99	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.77E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1704	495211.06, 3858901.99	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.81E-07	2.27E-07	3.94E-03	1.24E-06	3.62E-07

1705	495261.06, 3858901.99	2.28E-03	7.21E-07	2.10E-07	2.47E-03	7.79E-07	2.26E-07	3.93E-03	1.24E-06	3.61E-07
1706	495311.06, 3858901.99	2.27E-03	7.17E-07	2.09E-07	2.45E-03	7.75E-07	2.25E-07	3.91E-03	1.23E-06	3.59E-07
1707	495361.06, 3858901.99	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
1708	495411.06, 3858901.99	2.26E-03	7.14E-07	2.08E-07	2.44E-03	7.71E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
1709	495461.06, 3858901.99	2.25E-03	7.09E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.86E-03	1.22E-06	3.55E-07
1710	495511.06, 3858901.99	2.22E-03	7.01E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.82E-03	1.21E-06	3.51E-07
1711	495561.06, 3858901.99	2.20E-03	6.95E-07	2.02E-07	2.38E-03	7.51E-07	2.18E-07	3.79E-03	1.20E-06	3.48E-07
1712	495611.06, 3858901.99	2.18E-03	6.87E-07	2.00E-07	2.35E-03	7.41E-07	2.16E-07	3.74E-03	1.18E-06	3.43E-07
1713	495661.06, 3858901.99	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.40E-07	2.15E-07	3.73E-03	1.18E-06	3.43E-07
1714	494311.06, 3858951.99	2.96E-03	9.33E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.09E-03	1.61E-06	4.67E-07
1715	494361.06, 3858951.99	2.98E-03	9.41E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.13E-03	1.62E-06	4.71E-07
1716	494411.06, 3858951.99	2.95E-03	9.32E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.09E-03	1.61E-06	4.67E-07
1717	494461.06, 3858951.99	2.96E-03	9.35E-07	2.72E-07	3.20E-03	1.01E-06	2.94E-07	5.10E-03	1.61E-06	4.68E-07
1718	494511.06, 3858951.99	2.94E-03	9.29E-07	2.70E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.65E-07
1719	494561.06, 3858951.99	2.90E-03	9.17E-07	2.67E-07	3.14E-03	9.90E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
1720	494611.06, 3858951.99	2.85E-03	8.99E-07	2.62E-07	3.08E-03	9.71E-07	2.82E-07	4.91E-03	1.55E-06	4.50E-07
1721	494661.06, 3858951.99	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.54E-07	2.77E-07	4.82E-03	1.52E-06	4.42E-07
1722	494711.06, 3858951.99	2.73E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
1723	494761.06, 3858951.99	2.67E-03	8.43E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
1724	494811.06, 3858951.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.54E-03	1.43E-06	4.16E-07
1725	494861.06, 3858951.99	2.60E-03	8.20E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.47E-03	1.41E-06	4.11E-07
1726	494911.06, 3858951.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1727	494961.06, 3858951.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.33E-03	1.37E-06	3.98E-07
1728	495011.06, 3858951.99	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.20E-03	1.32E-06	3.85E-07
1729	495061.06, 3858951.99	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.28E-06	3.73E-07
1730	495111.06, 3858951.99	2.31E-03	7.28E-07	2.12E-07	2.49E-03	7.86E-07	2.29E-07	3.97E-03	1.25E-06	3.64E-07
1731	495161.06, 3858951.99	2.33E-03	7.35E-07	2.14E-07	2.52E-03	7.94E-07	2.31E-07	4.01E-03	1.26E-06	3.68E-07
1732	495211.06, 3858951.99	2.33E-03	7.34E-07	2.13E-07	2.51E-03	7.93E-07	2.31E-07	4.00E-03	1.26E-06	3.67E-07
1733	495261.06, 3858951.99	2.32E-03	7.32E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.99E-03	1.26E-06	3.66E-07
1734	495311.06, 3858951.99	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.81E-07	2.27E-07	3.94E-03	1.24E-06	3.62E-07
1735	495361.06, 3858951.99	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.80E-07	2.27E-07	3.94E-03	1.24E-06	3.62E-07
1736	495411.06, 3858951.99	2.29E-03	7.23E-07	2.10E-07	2.47E-03	7.81E-07	2.27E-07	3.94E-03	1.24E-06	3.62E-07
1737	495461.06, 3858951.99	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.77E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1738	495511.06, 3858951.99	2.28E-03	7.18E-07	2.09E-07	2.46E-03	7.75E-07	2.26E-07	3.91E-03	1.24E-06	3.59E-07
1739	495561.06, 3858951.99	2.23E-03	7.05E-07	2.05E-07	2.41E-03	7.62E-07	2.22E-07	3.84E-03	1.21E-06	3.53E-07
1740	495611.06, 3858951.99	2.21E-03	6.98E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.80E-03	1.20E-06	3.49E-07
1741	495661.06, 3858951.99	2.21E-03	6.97E-07	2.03E-07	2.38E-03	7.52E-07	2.19E-07	3.80E-03	1.20E-06	3.49E-07
1742	494311.06, 3859001.99	3.03E-03	9.57E-07	2.78E-07	3.27E-03	1.03E-06	3.01E-07	5.22E-03	1.65E-06	4.79E-07
1743	494361.06, 3859001.99	3.02E-03	9.54E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.21E-03	1.64E-06	4.78E-07
1744	494411.06, 3859001.99	3.02E-03	9.53E-07	2.77E-07	3.26E-03	1.03E-06	2.99E-07	5.20E-03	1.64E-06	4.77E-07
1745	494461.06, 3859001.99	3.00E-03	9.47E-07	2.75E-07	3.24E-03	1.02E-06	2.97E-07	5.16E-03	1.63E-06	4.74E-07
1746	494511.06, 3859001.99	2.98E-03	9.40E-07	2.73E-07	3.22E-03	1.02E-06	2.95E-07	5.13E-03	1.62E-06	4.71E-07
1747	494561.06, 3859001.99	2.93E-03	9.23E-07	2.69E-07	3.16E-03	9.97E-07	2.90E-07	5.04E-03	1.59E-06	4.63E-07
1748	494611.06, 3859001.99	2.88E-03	9.08E-07	2.64E-07	3.11E-03	9.81E-07	2.85E-07	4.95E-03	1.56E-06	4.55E-07
1749	494661.06, 3859001.99	2.82E-03	8.89E-07	2.59E-07	3.04E-03	9.60E-07	2.79E-07	4.85E-03	1.53E-06	4.45E-07
1750	494711.06, 3859001.99	2.75E-03	8.67E-07	2.52E-07	2.97E-03	9.36E-07	2.72E-07	4.73E-03	1.49E-06	4.34E-07
1751	494761.06, 3859001.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1752	494811.06, 3859001.99	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.13E-07	2.65E-07	4.61E-03	1.45E-06	4.23E-07
1753	494861.06, 3859001.99	2.63E-03	8.30E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1754	494911.06, 3859001.99	2.58E-03	8.15E-07	2.37E-07	2.79E-03	8.80E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
1755	494961.06, 3859001.99	2.53E-03	7.99E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
1756	495011.06, 3859001.99	2.40E-03	7.59E-07	2.21E-07	2.60E-03	8.19E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
1757	495061.06, 3859001.99	2.38E-03	7.51E-07	2.18E-07	2.57E-03	8.11E-07	2.36E-07	4.09E-03	1.29E-06	3.76E-07
1758	495111.06, 3859001.99	2.32E-03	7.34E-07	2.13E-07	2.51E-03	7.92E-07	2.30E-07	4.00E-03	1.26E-06	3.67E-07
1759	495161.06, 3859001.99	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.28E-06	3.73E-07
1760	495211.06, 3859001.99	2.35E-03	7.42E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.04E-03	1.28E-06	3.71E-07
1761	495261.06, 3859001.99	2.35E-03	7.41E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	4.04E-03	1.28E-06	3.71E-07
1762	495311.06, 3859001.99	2.33E-03	7.37E-07	2.14E-07	2.52E-03	7.96E-07	2.31E-07	4.02E-03	1.27E-06	3.69E-07
1763	495361.06, 3859001.99	2.33E-03	7.36E-07	2.14E-07	2.52E-03	7.94E-07	2.31E-07	4.01E-03	1.27E-06	3.68E-07
1764	495411.06, 3859001.99	2.32E-03	7.33E-07	2.13E-07	2.51E-03	7.91E-07	2.30E-07	3.99E-03	1.26E-06	3.67E-07
1765	495461.06, 3859001.99	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.89E-07	2.30E-07	3.98E-03	1.26E-06	3.66E-07

1766	495511.06, 3859001.99	2.28E-03	7.21E-07	2.10E-07	2.47E-03	7.78E-07	2.26E-07	3.93E-03	1.24E-06	3.61E-07
1767	495561.06, 3859001.99	2.27E-03	7.15E-07	2.08E-07	2.45E-03	7.72E-07	2.25E-07	3.90E-03	1.23E-06	3.58E-07
1768	495611.06, 3859001.99	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.23E-07	3.86E-03	1.22E-06	3.54E-07
1769	495661.06, 3859001.99	2.26E-03	7.12E-07	2.07E-07	2.44E-03	7.69E-07	2.24E-07	3.88E-03	1.22E-06	3.56E-07
1770	494311.06, 3859051.99	3.08E-03	9.73E-07	2.83E-07	3.33E-03	1.05E-06	3.06E-07	5.31E-03	1.68E-06	4.88E-07
1771	494361.06, 3859051.99	3.09E-03	9.74E-07	2.83E-07	3.33E-03	1.05E-06	3.06E-07	5.31E-03	1.68E-06	4.88E-07
1772	494411.06, 3859051.99	3.06E-03	9.65E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.27E-03	1.66E-06	4.83E-07
1773	494461.06, 3859051.99	3.02E-03	9.54E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.21E-03	1.64E-06	4.78E-07
1774	494511.06, 3859051.99	2.98E-03	9.41E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.13E-03	1.62E-06	4.71E-07
1775	494561.06, 3859051.99	2.94E-03	9.29E-07	2.70E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.65E-07
1776	494611.06, 3859051.99	2.89E-03	9.13E-07	2.66E-07	3.13E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.57E-07
1777	494661.06, 3859051.99	2.84E-03	8.96E-07	2.61E-07	3.07E-03	9.68E-07	2.81E-07	4.89E-03	1.54E-06	4.49E-07
1778	494711.06, 3859051.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.51E-07	2.76E-07	4.80E-03	1.52E-06	4.41E-07
1779	494761.06, 3859051.99	2.74E-03	8.64E-07	2.51E-07	2.95E-03	9.33E-07	2.71E-07	4.71E-03	1.49E-06	4.32E-07
1780	494811.06, 3859051.99	2.70E-03	8.52E-07	2.48E-07	2.92E-03	9.20E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
1781	494861.06, 3859051.99	2.66E-03	8.40E-07	2.44E-07	2.87E-03	9.07E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
1782	494911.06, 3859051.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.48E-03	1.41E-06	4.11E-07
1783	494961.06, 3859051.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
1784	495011.06, 3859051.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
1785	495061.06, 3859051.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1786	495111.06, 3859051.99	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
1787	495161.06, 3859051.99	2.41E-03	7.59E-07	2.21E-07	2.60E-03	8.20E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
1788	495211.06, 3859051.99	2.38E-03	7.51E-07	2.18E-07	2.57E-03	8.11E-07	2.36E-07	4.09E-03	1.29E-06	3.76E-07
1789	495261.06, 3859051.99	2.39E-03	7.53E-07	2.19E-07	2.58E-03	8.13E-07	2.36E-07	4.10E-03	1.30E-06	3.77E-07
1790	495311.06, 3859051.99	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.29E-06	3.74E-07
1791	495361.06, 3859051.99	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1792	495411.06, 3859051.99	2.36E-03	7.44E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1793	495461.06, 3859051.99	2.36E-03	7.44E-07	2.16E-07	2.54E-03	8.03E-07	2.34E-07	4.06E-03	1.28E-06	3.72E-07
1794	495511.06, 3859051.99	2.32E-03	7.33E-07	2.13E-07	2.51E-03	7.92E-07	2.30E-07	4.00E-03	1.26E-06	3.67E-07
1795	495561.06, 3859051.99	2.30E-03	7.25E-07	2.11E-07	2.48E-03	7.83E-07	2.28E-07	3.95E-03	1.25E-06	3.63E-07
1796	495611.06, 3859051.99	2.28E-03	7.19E-07	2.09E-07	2.46E-03	7.76E-07	2.26E-07	3.92E-03	1.24E-06	3.60E-07
1797	495661.06, 3859051.99	2.29E-03	7.21E-07	2.10E-07	2.47E-03	7.79E-07	2.27E-07	3.93E-03	1.24E-06	3.61E-07
1798	494311.06, 3859101.99	3.14E-03	9.90E-07	2.88E-07	3.39E-03	1.07E-06	3.11E-07	5.41E-03	1.71E-06	4.96E-07
1799	494361.06, 3859101.99	3.11E-03	9.83E-07	2.86E-07	3.36E-03	1.06E-06	3.09E-07	5.36E-03	1.69E-06	4.92E-07
1800	494411.06, 3859101.99	3.09E-03	9.76E-07	2.84E-07	3.34E-03	1.05E-06	3.07E-07	5.33E-03	1.68E-06	4.89E-07
1801	494461.06, 3859101.99	3.06E-03	9.65E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.27E-03	1.66E-06	4.84E-07
1802	494511.06, 3859101.99	3.01E-03	9.49E-07	2.76E-07	3.25E-03	1.03E-06	2.98E-07	5.18E-03	1.63E-06	4.76E-07
1803	494561.06, 3859101.99	2.97E-03	9.36E-07	2.72E-07	3.20E-03	1.01E-06	2.94E-07	5.11E-03	1.61E-06	4.69E-07
1804	494611.06, 3859101.99	2.90E-03	9.17E-07	2.67E-07	3.14E-03	9.90E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
1805	494661.06, 3859101.99	2.86E-03	9.04E-07	2.63E-07	3.09E-03	9.77E-07	2.84E-07	4.93E-03	1.56E-06	4.53E-07
1806	494711.06, 3859101.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.81E-03	1.52E-06	4.42E-07
1807	494761.06, 3859101.99	2.78E-03	8.76E-07	2.55E-07	3.00E-03	9.46E-07	2.75E-07	4.78E-03	1.51E-06	4.39E-07
1808	494811.06, 3859101.99	2.73E-03	8.61E-07	2.51E-07	2.95E-03	9.30E-07	2.71E-07	4.70E-03	1.48E-06	4.31E-07
1809	494861.06, 3859101.99	2.69E-03	8.49E-07	2.47E-07	2.90E-03	9.17E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
1810	494911.06, 3859101.99	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.53E-03	1.43E-06	4.15E-07
1811	494961.06, 3859101.99	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
1812	495011.06, 3859101.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.20E-03	1.33E-06	3.86E-07
1813	495061.06, 3859101.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.20E-03	1.33E-06	3.86E-07
1814	495111.06, 3859101.99	2.42E-03	7.63E-07	2.22E-07	2.61E-03	8.24E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
1815	495161.06, 3859101.99	2.43E-03	7.68E-07	2.24E-07	2.63E-03	8.30E-07	2.41E-07	4.19E-03	1.32E-06	3.85E-07
1816	495211.06, 3859101.99	2.42E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.16E-03	1.31E-06	3.82E-07
1817	495261.06, 3859101.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1818	495311.06, 3859101.99	2.40E-03	7.58E-07	2.21E-07	2.60E-03	8.19E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
1819	495361.06, 3859101.99	2.40E-03	7.59E-07	2.21E-07	2.60E-03	8.20E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
1820	495411.06, 3859101.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.17E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
1821	495461.06, 3859101.99	2.38E-03	7.50E-07	2.18E-07	2.57E-03	8.10E-07	2.36E-07	4.09E-03	1.29E-06	3.75E-07
1822	495511.06, 3859101.99	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.28E-06	3.74E-07
1823	495561.06, 3859101.99	2.34E-03	7.39E-07	2.15E-07	2.53E-03	7.98E-07	2.32E-07	4.03E-03	1.27E-06	3.70E-07
1824	495611.06, 3859101.99	2.32E-03	7.31E-07	2.13E-07	2.50E-03	7.89E-07	2.30E-07	3.98E-03	1.26E-06	3.66E-07
1825	495661.06, 3859101.99	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.89E-07	2.29E-07	3.98E-03	1.26E-06	3.65E-07
1826	494311.06, 3859151.99	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.46E-03	1.72E-06	5.01E-07

1827	494361.06, 3859151.99	3.15E-03	9.95E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.43E-03	1.71E-06	4.98E-07
1828	494411.06, 3859151.99	3.11E-03	9.82E-07	2.86E-07	3.36E-03	1.06E-06	3.09E-07	5.36E-03	1.69E-06	4.92E-07
1829	494461.06, 3859151.99	3.07E-03	9.69E-07	2.82E-07	3.32E-03	1.05E-06	3.04E-07	5.29E-03	1.67E-06	4.86E-07
1830	494511.06, 3859151.99	3.02E-03	9.52E-07	2.77E-07	3.26E-03	1.03E-06	2.99E-07	5.20E-03	1.64E-06	4.77E-07
1831	494561.06, 3859151.99	2.98E-03	9.42E-07	2.74E-07	3.22E-03	1.02E-06	2.96E-07	5.14E-03	1.62E-06	4.72E-07
1832	494611.06, 3859151.99	2.93E-03	9.24E-07	2.69E-07	3.16E-03	9.98E-07	2.90E-07	5.05E-03	1.59E-06	4.63E-07
1833	494661.06, 3859151.99	2.89E-03	9.13E-07	2.66E-07	3.13E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.58E-07
1834	494711.06, 3859151.99	2.86E-03	9.04E-07	2.63E-07	3.09E-03	9.76E-07	2.84E-07	4.93E-03	1.56E-06	4.53E-07
1835	494761.06, 3859151.99	2.80E-03	8.84E-07	2.57E-07	3.02E-03	9.55E-07	2.78E-07	4.82E-03	1.52E-06	4.43E-07
1836	494811.06, 3859151.99	2.75E-03	8.67E-07	2.52E-07	2.97E-03	9.36E-07	2.72E-07	4.73E-03	1.49E-06	4.34E-07
1837	494861.06, 3859151.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.67E-03	1.47E-06	4.29E-07
1838	494911.06, 3859151.99	2.65E-03	8.35E-07	2.43E-07	2.86E-03	9.02E-07	2.62E-07	4.56E-03	1.44E-06	4.18E-07
1839	494961.06, 3859151.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
1840	495011.06, 3859151.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
1841	495061.06, 3859151.99	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.41E-07	2.45E-07	4.24E-03	1.34E-06	3.90E-07
1842	495111.06, 3859151.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
1843	495161.06, 3859151.99	2.47E-03	7.79E-07	2.27E-07	2.67E-03	8.41E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1844	495211.06, 3859151.99	2.46E-03	7.75E-07	2.25E-07	2.65E-03	8.37E-07	2.43E-07	4.23E-03	1.33E-06	3.88E-07
1845	495261.06, 3859151.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.21E-03	1.33E-06	3.86E-07
1846	495311.06, 3859151.99	2.44E-03	7.69E-07	2.24E-07	2.63E-03	8.30E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
1847	495361.06, 3859151.99	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
1848	495411.06, 3859151.99	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.20E-03	1.33E-06	3.85E-07
1849	495461.06, 3859151.99	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1850	495511.06, 3859151.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
1851	495561.06, 3859151.99	2.38E-03	7.51E-07	2.18E-07	2.57E-03	8.11E-07	2.36E-07	4.10E-03	1.29E-06	3.76E-07
1852	495611.06, 3859151.99	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.05E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
1853	495661.06, 3859151.99	2.35E-03	7.41E-07	2.15E-07	2.53E-03	8.00E-07	2.33E-07	4.04E-03	1.27E-06	3.71E-07
1854	494311.06, 3859201.99	3.19E-03	1.01E-06	2.93E-07	3.44E-03	1.09E-06	3.16E-07	5.49E-03	1.73E-06	5.04E-07
1855	494361.06, 3859201.99	3.16E-03	9.99E-07	2.90E-07	3.42E-03	1.08E-06	3.14E-07	5.45E-03	1.72E-06	5.00E-07
1856	494411.06, 3859201.99	3.13E-03	9.88E-07	2.87E-07	3.38E-03	1.07E-06	3.10E-07	5.39E-03	1.70E-06	4.95E-07
1857	494461.06, 3859201.99	3.08E-03	9.72E-07	2.83E-07	3.33E-03	1.05E-06	3.05E-07	5.31E-03	1.68E-06	4.87E-07
1858	494511.06, 3859201.99	3.05E-03	9.62E-07	2.80E-07	3.29E-03	1.04E-06	3.02E-07	5.25E-03	1.66E-06	4.82E-07
1859	494561.06, 3859201.99	2.99E-03	9.44E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.15E-03	1.63E-06	4.73E-07
1860	494611.06, 3859201.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.08E-03	1.60E-06	4.66E-07
1861	494661.06, 3859201.99	2.91E-03	9.19E-07	2.67E-07	3.15E-03	9.93E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
1862	494711.06, 3859201.99	2.88E-03	9.08E-07	2.64E-07	3.11E-03	9.81E-07	2.85E-07	4.96E-03	1.56E-06	4.55E-07
1863	494761.06, 3859201.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
1864	494811.06, 3859201.99	2.77E-03	8.75E-07	2.54E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
1865	494861.06, 3859201.99	2.72E-03	8.57E-07	2.49E-07	2.93E-03	9.26E-07	2.69E-07	4.68E-03	1.48E-06	4.29E-07
1866	494911.06, 3859201.99	2.64E-03	8.34E-07	2.43E-07	2.85E-03	9.01E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
1867	494961.06, 3859201.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.55E-07	4.42E-03	1.40E-06	4.06E-07
1868	495011.06, 3859201.99	2.47E-03	7.79E-07	2.26E-07	2.66E-03	8.41E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1869	495061.06, 3859201.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.31E-03	1.36E-06	3.96E-07
1870	495111.06, 3859201.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
1871	495161.06, 3859201.99	2.50E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.30E-03	1.36E-06	3.94E-07
1872	495211.06, 3859201.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
1873	495261.06, 3859201.99	2.47E-03	7.81E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
1874	495311.06, 3859201.99	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.41E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
1875	495361.06, 3859201.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
1876	495411.06, 3859201.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.91E-07
1877	495461.06, 3859201.99	2.46E-03	7.75E-07	2.25E-07	2.65E-03	8.37E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
1878	495511.06, 3859201.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.33E-07	2.42E-07	4.21E-03	1.33E-06	3.86E-07
1879	495561.06, 3859201.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1880	495611.06, 3859201.99	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
1881	495661.06, 3859201.99	2.37E-03	7.49E-07	2.18E-07	2.56E-03	8.09E-07	2.35E-07	4.09E-03	1.29E-06	3.75E-07
1882	494311.06, 3859251.99	3.20E-03	1.01E-06	2.94E-07	3.46E-03	1.09E-06	3.18E-07	5.52E-03	1.74E-06	5.07E-07
1883	494361.06, 3859251.99	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.46E-03	1.72E-06	5.01E-07
1884	494411.06, 3859251.99	3.12E-03	9.85E-07	2.86E-07	3.37E-03	1.06E-06	3.09E-07	5.38E-03	1.70E-06	4.94E-07
1885	494461.06, 3859251.99	3.09E-03	9.75E-07	2.84E-07	3.34E-03	1.05E-06	3.06E-07	5.32E-03	1.68E-06	4.88E-07
1886	494511.06, 3859251.99	3.03E-03	9.58E-07	2.79E-07	3.28E-03	1.03E-06	3.01E-07	5.23E-03	1.65E-06	4.80E-07
1887	494561.06, 3859251.99	3.00E-03	9.47E-07	2.75E-07	3.24E-03	1.02E-06	2.97E-07	5.17E-03	1.63E-06	4.74E-07

1888 494611.06, 3859251.99	2.95E-03	9.32E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.09E-03	1.61E-06	4.67E-07
1889 494661.06, 3859251.99	2.93E-03	9.24E-07	2.69E-07	3.16E-03	9.98E-07	2.90E-07	5.04E-03	1.59E-06	4.63E-07
1890 494711.06, 3859251.99	2.89E-03	9.13E-07	2.66E-07	3.13E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.58E-07
1891 494761.06, 3859251.99	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.56E-07	2.78E-07	4.83E-03	1.52E-06	4.44E-07
1892 494811.06, 3859251.99	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
1893 494861.06, 3859251.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
1894 494911.06, 3859251.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.99E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
1895 494961.06, 3859251.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.48E-03	1.41E-06	4.11E-07
1896 495011.06, 3859251.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
1897 495061.06, 3859251.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.41E-03	1.39E-06	4.04E-07
1898 495111.06, 3859251.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1899 495161.06, 3859251.99	2.53E-03	7.99E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
1900 495211.06, 3859251.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.57E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
1901 495261.06, 3859251.99	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.55E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
1902 495311.06, 3859251.99	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.55E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
1903 495361.06, 3859251.99	2.50E-03	7.88E-07	2.29E-07	2.70E-03	8.51E-07	2.47E-07	4.30E-03	1.36E-06	3.95E-07
1904 495411.06, 3859251.99	2.50E-03	7.89E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
1905 495461.06, 3859251.99	2.49E-03	7.85E-07	2.28E-07	2.69E-03	8.48E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
1906 495511.06, 3859251.99	2.46E-03	7.76E-07	2.26E-07	2.66E-03	8.38E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
1907 495561.06, 3859251.99	2.44E-03	7.69E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.20E-03	1.32E-06	3.85E-07
1908 495611.06, 3859251.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1909 495661.06, 3859251.99	2.39E-03	7.55E-07	2.20E-07	2.58E-03	8.16E-07	2.37E-07	4.12E-03	1.30E-06	3.78E-07
1910 494311.06, 3859301.99	3.21E-03	1.01E-06	2.95E-07	3.47E-03	1.09E-06	3.18E-07	5.53E-03	1.75E-06	5.08E-07
1911 494361.06, 3859301.99	3.17E-03	1.00E-06	2.91E-07	3.43E-03	1.08E-06	3.15E-07	5.47E-03	1.73E-06	5.02E-07
1912 494411.06, 3859301.99	3.13E-03	9.87E-07	2.87E-07	3.38E-03	1.07E-06	3.10E-07	5.39E-03	1.70E-06	4.95E-07
1913 494461.06, 3859301.99	3.08E-03	9.72E-07	2.83E-07	3.33E-03	1.05E-06	3.06E-07	5.31E-03	1.68E-06	4.87E-07
1914 494511.06, 3859301.99	3.04E-03	9.59E-07	2.79E-07	3.28E-03	1.04E-06	3.01E-07	5.24E-03	1.65E-06	4.81E-07
1915 494561.06, 3859301.99	3.01E-03	9.49E-07	2.76E-07	3.25E-03	1.02E-06	2.98E-07	5.18E-03	1.63E-06	4.75E-07
1916 494611.06, 3859301.99	2.97E-03	9.37E-07	2.73E-07	3.21E-03	1.01E-06	2.94E-07	5.11E-03	1.61E-06	4.70E-07
1917 494661.06, 3859301.99	2.93E-03	9.26E-07	2.69E-07	3.17E-03	1.00E-06	2.91E-07	5.05E-03	1.59E-06	4.64E-07
1918 494711.06, 3859301.99	2.89E-03	9.11E-07	2.65E-07	3.12E-03	9.84E-07	2.86E-07	4.97E-03	1.57E-06	4.57E-07
1919 494761.06, 3859301.99	2.85E-03	8.99E-07	2.61E-07	3.08E-03	9.71E-07	2.82E-07	4.91E-03	1.55E-06	4.50E-07
1920 494811.06, 3859301.99	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
1921 494861.06, 3859301.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.23E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
1922 494911.06, 3859301.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.10E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
1923 494961.06, 3859301.99	2.59E-03	8.17E-07	2.38E-07	2.79E-03	8.82E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
1924 495011.06, 3859301.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.41E-03	1.39E-06	4.04E-07
1925 495061.06, 3859301.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.47E-03	1.41E-06	4.10E-07
1926 495111.06, 3859301.99	2.55E-03	8.06E-07	2.34E-07	2.76E-03	8.70E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
1927 495161.06, 3859301.99	2.54E-03	8.03E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1928 495211.06, 3859301.99	2.55E-03	8.06E-07	2.34E-07	2.76E-03	8.71E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
1929 495261.06, 3859301.99	2.55E-03	8.05E-07	2.34E-07	2.76E-03	8.70E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
1930 495311.06, 3859301.99	2.52E-03	7.97E-07	2.32E-07	2.73E-03	8.60E-07	2.50E-07	4.35E-03	1.37E-06	3.99E-07
1931 495361.06, 3859301.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.35E-03	1.37E-06	3.99E-07
1932 495411.06, 3859301.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
1933 495461.06, 3859301.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
1934 495511.06, 3859301.99	2.49E-03	7.85E-07	2.28E-07	2.69E-03	8.48E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
1935 495561.06, 3859301.99	2.45E-03	7.72E-07	2.25E-07	2.64E-03	8.34E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
1936 495611.06, 3859301.99	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
1937 495661.06, 3859301.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
1938 494311.06, 3859351.99	3.20E-03	1.01E-06	2.94E-07	3.46E-03	1.09E-06	3.17E-07	5.51E-03	1.74E-06	5.06E-07
1939 494361.06, 3859351.99	3.16E-03	9.99E-07	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.45E-03	1.72E-06	5.00E-07
1940 494411.06, 3859351.99	3.12E-03	9.83E-07	2.86E-07	3.37E-03	1.06E-06	3.09E-07	5.37E-03	1.69E-06	4.93E-07
1941 494461.06, 3859351.99	3.07E-03	9.70E-07	2.82E-07	3.32E-03	1.05E-06	3.05E-07	5.29E-03	1.67E-06	4.86E-07
1942 494511.06, 3859351.99	3.04E-03	9.58E-07	2.79E-07	3.28E-03	1.03E-06	3.01E-07	5.23E-03	1.65E-06	4.80E-07
1943 494561.06, 3859351.99	3.01E-03	9.49E-07	2.76E-07	3.25E-03	1.03E-06	2.98E-07	5.18E-03	1.64E-06	4.76E-07
1944 494611.06, 3859351.99	2.97E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.62E-06	4.70E-07
1945 494661.06, 3859351.99	2.94E-03	9.27E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.06E-03	1.60E-06	4.65E-07
1946 494711.06, 3859351.99	2.89E-03	9.13E-07	2.65E-07	3.12E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.57E-07
1947 494761.06, 3859351.99	2.83E-03	8.94E-07	2.60E-07	3.06E-03	9.65E-07	2.81E-07	4.88E-03	1.54E-06	4.48E-07
1948 494811.06, 3859351.99	2.75E-03	8.67E-07	2.52E-07	2.97E-03	9.37E-07	2.72E-07	4.73E-03	1.49E-06	4.35E-07

1949 494861.06, 3859351.99	2.72E-03	8.57E-07	2.49E-07	2.93E-03	9.26E-07	2.69E-07	4.68E-03	1.48E-06	4.30E-07
1950 494911.06, 3859351.99	2.70E-03	8.51E-07	2.47E-07	2.91E-03	9.19E-07	2.67E-07	4.64E-03	1.47E-06	4.26E-07
1951 494961.06, 3859351.99	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.64E-07	4.58E-03	1.45E-06	4.20E-07
1952 495011.06, 3859351.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
1953 495061.06, 3859351.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
1954 495111.06, 3859351.99	2.62E-03	8.26E-07	2.40E-07	2.83E-03	8.93E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
1955 495161.06, 3859351.99	2.61E-03	8.22E-07	2.39E-07	2.81E-03	8.88E-07	2.58E-07	4.49E-03	1.42E-06	4.12E-07
1956 495211.06, 3859351.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
1957 495261.06, 3859351.99	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.45E-03	1.41E-06	4.09E-07
1958 495311.06, 3859351.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1959 495361.06, 3859351.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
1960 495411.06, 3859351.99	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.67E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1961 495461.06, 3859351.99	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.66E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
1962 495511.06, 3859351.99	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.55E-07	2.49E-07	4.32E-03	1.36E-06	3.97E-07
1963 495561.06, 3859351.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.28E-03	1.35E-06	3.93E-07
1964 495611.06, 3859351.99	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.25E-03	1.34E-06	3.90E-07
1965 495661.06, 3859351.99	2.43E-03	7.67E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.19E-03	1.32E-06	3.84E-07
1966 494311.06, 3859401.99	3.19E-03	1.01E-06	2.93E-07	3.45E-03	1.09E-06	3.17E-07	5.50E-03	1.74E-06	5.05E-07
1967 494361.06, 3859401.99	3.15E-03	9.94E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.42E-03	1.71E-06	4.98E-07
1968 494411.06, 3859401.99	3.10E-03	9.79E-07	2.85E-07	3.35E-03	1.06E-06	3.07E-07	5.34E-03	1.69E-06	4.90E-07
1969 494461.06, 3859401.99	3.06E-03	9.67E-07	2.81E-07	3.31E-03	1.04E-06	3.04E-07	5.28E-03	1.67E-06	4.85E-07
1970 494511.06, 3859401.99	3.04E-03	9.60E-07	2.79E-07	3.28E-03	1.04E-06	3.01E-07	5.24E-03	1.65E-06	4.81E-07
1971 494561.06, 3859401.99	3.01E-03	9.50E-07	2.76E-07	3.25E-03	1.03E-06	2.99E-07	5.19E-03	1.64E-06	4.76E-07
1972 494611.06, 3859401.99	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.62E-06	4.70E-07
1973 494661.06, 3859401.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.08E-03	1.60E-06	4.66E-07
1974 494711.06, 3859401.99	2.91E-03	9.20E-07	2.68E-07	3.15E-03	9.94E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
1975 494761.06, 3859401.99	2.85E-03	9.00E-07	2.62E-07	3.08E-03	9.72E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
1976 494811.06, 3859401.99	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.56E-07	2.78E-07	4.83E-03	1.52E-06	4.43E-07
1977 494861.06, 3859401.99	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.35E-07	2.72E-07	4.73E-03	1.49E-06	4.34E-07
1978 494911.06, 3859401.99	2.71E-03	8.54E-07	2.48E-07	2.92E-03	9.23E-07	2.68E-07	4.66E-03	1.47E-06	4.28E-07
1979 494961.06, 3859401.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.15E-07	2.66E-07	4.63E-03	1.46E-06	4.25E-07
1980 495011.06, 3859401.99	2.67E-03	8.43E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.60E-03	1.45E-06	4.23E-07
1981 495061.06, 3859401.99	2.66E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
1982 495111.06, 3859401.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.98E-07	2.61E-07	4.54E-03	1.43E-06	4.16E-07
1983 495161.06, 3859401.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
1984 495211.06, 3859401.99	2.62E-03	8.27E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
1985 495261.06, 3859401.99	2.61E-03	8.23E-07	2.39E-07	2.82E-03	8.89E-07	2.58E-07	4.49E-03	1.42E-06	4.12E-07
1986 495311.06, 3859401.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
1987 495361.06, 3859401.99	2.59E-03	8.17E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
1988 495411.06, 3859401.99	2.58E-03	8.14E-07	2.37E-07	2.79E-03	8.79E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
1989 495461.06, 3859401.99	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
1990 495511.06, 3859401.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
1991 495561.06, 3859401.99	2.49E-03	7.86E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.29E-03	1.35E-06	3.94E-07
1992 495611.06, 3859401.99	2.47E-03	7.79E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.91E-07
1993 495661.06, 3859401.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.23E-03	1.33E-06	3.88E-07
1994 494311.06, 3859451.99	3.17E-03	9.99E-07	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.45E-03	1.72E-06	5.00E-07
1995 494361.06, 3859451.99	3.13E-03	9.87E-07	2.87E-07	3.38E-03	1.07E-06	3.10E-07	5.38E-03	1.70E-06	4.94E-07
1996 494411.06, 3859451.99	3.07E-03	9.70E-07	2.82E-07	3.32E-03	1.05E-06	3.05E-07	5.29E-03	1.67E-06	4.86E-07
1997 494461.06, 3859451.99	3.05E-03	9.64E-07	2.80E-07	3.30E-03	1.04E-06	3.03E-07	5.26E-03	1.66E-06	4.83E-07
1998 494511.06, 3859451.99	3.02E-03	9.53E-07	2.77E-07	3.26E-03	1.03E-06	2.99E-07	5.20E-03	1.64E-06	4.77E-07
1999 494561.06, 3859451.99	2.99E-03	9.44E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.15E-03	1.63E-06	4.73E-07
2000 494611.06, 3859451.99	2.98E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.13E-03	1.62E-06	4.71E-07
2001 494661.06, 3859451.99	2.94E-03	9.28E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.06E-03	1.60E-06	4.65E-07
2002 494711.06, 3859451.99	2.90E-03	9.16E-07	2.66E-07	3.13E-03	9.89E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
2003 494761.06, 3859451.99	2.87E-03	9.06E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.54E-07
2004 494811.06, 3859451.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.62E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
2005 494861.06, 3859451.99	2.78E-03	8.77E-07	2.55E-07	3.00E-03	9.48E-07	2.76E-07	4.79E-03	1.51E-06	4.40E-07
2006 494911.06, 3859451.99	2.75E-03	8.68E-07	2.52E-07	2.97E-03	9.37E-07	2.73E-07	4.74E-03	1.49E-06	4.35E-07
2007 494961.06, 3859451.99	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.71E-03	1.49E-06	4.32E-07
2008 495011.06, 3859451.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.23E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
2009 495061.06, 3859451.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.16E-07	2.66E-07	4.63E-03	1.46E-06	4.25E-07

2010 495111.06, 3859451.99	2.66E-03	8.40E-07	2.44E-07	2.88E-03	9.08E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
2011 495161.06, 3859451.99	2.65E-03	8.37E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.57E-03	1.44E-06	4.20E-07
2012 495211.06, 3859451.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2013 495261.06, 3859451.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
2014 495311.06, 3859451.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2015 495361.06, 3859451.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.50E-03	1.42E-06	4.13E-07
2016 495411.06, 3859451.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
2017 495461.06, 3859451.99	2.58E-03	8.13E-07	2.37E-07	2.78E-03	8.78E-07	2.55E-07	4.44E-03	1.40E-06	4.07E-07
2018 495511.06, 3859451.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
2019 495561.06, 3859451.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2020 495611.06, 3859451.99	2.50E-03	7.88E-07	2.29E-07	2.70E-03	8.51E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2021 495661.06, 3859451.99	2.48E-03	7.82E-07	2.27E-07	2.68E-03	8.45E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2022 494311.06, 3859501.99	3.14E-03	9.92E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.41E-03	1.71E-06	4.97E-07
2023 494361.06, 3859501.99	3.11E-03	9.81E-07	2.85E-07	3.36E-03	1.06E-06	3.08E-07	5.35E-03	1.69E-06	4.91E-07
2024 494411.06, 3859501.99	3.04E-03	9.60E-07	2.79E-07	3.29E-03	1.04E-06	3.02E-07	5.24E-03	1.65E-06	4.81E-07
2025 494461.06, 3859501.99	3.04E-03	9.60E-07	2.79E-07	3.28E-03	1.04E-06	3.02E-07	5.24E-03	1.65E-06	4.81E-07
2026 494511.06, 3859501.99	3.01E-03	9.49E-07	2.76E-07	3.25E-03	1.02E-06	2.98E-07	5.17E-03	1.63E-06	4.75E-07
2027 494561.06, 3859501.99	2.97E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.62E-06	4.70E-07
2028 494611.06, 3859501.99	2.98E-03	9.39E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.62E-06	4.70E-07
2029 494661.06, 3859501.99	2.94E-03	9.27E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.06E-03	1.60E-06	4.64E-07
2030 494711.06, 3859501.99	2.89E-03	9.11E-07	2.65E-07	3.12E-03	9.84E-07	2.86E-07	4.97E-03	1.57E-06	4.56E-07
2031 494761.06, 3859501.99	2.88E-03	9.08E-07	2.64E-07	3.11E-03	9.81E-07	2.85E-07	4.96E-03	1.56E-06	4.55E-07
2032 494811.06, 3859501.99	2.81E-03	8.88E-07	2.58E-07	3.04E-03	9.59E-07	2.79E-07	4.85E-03	1.53E-06	4.45E-07
2033 494861.06, 3859501.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.80E-03	1.52E-06	4.41E-07
2034 494911.06, 3859501.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.78E-03	1.51E-06	4.38E-07
2035 494961.06, 3859501.99	2.74E-03	8.65E-07	2.51E-07	2.96E-03	9.34E-07	2.72E-07	4.72E-03	1.49E-06	4.33E-07
2036 495011.06, 3859501.99	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
2037 495061.06, 3859501.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.67E-03	1.47E-06	4.29E-07
2038 495111.06, 3859501.99	2.68E-03	8.46E-07	2.46E-07	2.89E-03	9.14E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
2039 495161.06, 3859501.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
2040 495211.06, 3859501.99	2.66E-03	8.41E-07	2.44E-07	2.88E-03	9.08E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
2041 495261.06, 3859501.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.57E-03	1.44E-06	4.19E-07
2042 495311.06, 3859501.99	2.64E-03	8.34E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
2043 495361.06, 3859501.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2044 495411.06, 3859501.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.50E-03	1.42E-06	4.13E-07
2045 495461.06, 3859501.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.47E-03	1.41E-06	4.10E-07
2046 495511.06, 3859501.99	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
2047 495561.06, 3859501.99	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.66E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
2048 495611.06, 3859501.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2049 495661.06, 3859501.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.30E-03	1.36E-06	3.94E-07
2050 494311.06, 3859551.99	3.12E-03	9.83E-07	2.86E-07	3.36E-03	1.06E-06	3.09E-07	5.36E-03	1.69E-06	4.92E-07
2051 494361.06, 3859551.99	3.08E-03	9.71E-07	2.82E-07	3.32E-03	1.05E-06	3.05E-07	5.29E-03	1.67E-06	4.86E-07
2052 494411.06, 3859551.99	3.01E-03	9.51E-07	2.77E-07	3.25E-03	1.03E-06	2.99E-07	5.19E-03	1.64E-06	4.76E-07
2053 494461.06, 3859551.99	3.02E-03	9.53E-07	2.77E-07	3.26E-03	1.03E-06	2.99E-07	5.20E-03	1.64E-06	4.77E-07
2054 494511.06, 3859551.99	2.99E-03	9.43E-07	2.74E-07	3.23E-03	1.02E-06	2.96E-07	5.14E-03	1.62E-06	4.72E-07
2055 494561.06, 3859551.99	2.96E-03	9.35E-07	2.72E-07	3.20E-03	1.01E-06	2.94E-07	5.10E-03	1.61E-06	4.68E-07
2056 494611.06, 3859551.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.66E-07
2057 494661.06, 3859551.99	2.93E-03	9.24E-07	2.69E-07	3.16E-03	9.98E-07	2.90E-07	5.04E-03	1.59E-06	4.63E-07
2058 494711.06, 3859551.99	2.86E-03	9.02E-07	2.62E-07	3.09E-03	9.74E-07	2.83E-07	4.92E-03	1.55E-06	4.52E-07
2059 494761.06, 3859551.99	2.87E-03	9.06E-07	2.63E-07	3.10E-03	9.78E-07	2.85E-07	4.94E-03	1.56E-06	4.54E-07
2060 494811.06, 3859551.99	2.82E-03	8.90E-07	2.59E-07	3.04E-03	9.61E-07	2.80E-07	4.85E-03	1.53E-06	4.46E-07
2061 494861.06, 3859551.99	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.82E-03	1.52E-06	4.42E-07
2062 494911.06, 3859551.99	2.77E-03	8.74E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.77E-03	1.50E-06	4.38E-07
2063 494961.06, 3859551.99	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.74E-03	1.50E-06	4.35E-07
2064 495011.06, 3859551.99	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.36E-07	2.72E-07	4.73E-03	1.49E-06	4.34E-07
2065 495061.06, 3859551.99	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
2066 495111.06, 3859551.99	2.70E-03	8.51E-07	2.48E-07	2.91E-03	9.19E-07	2.67E-07	4.64E-03	1.47E-06	4.26E-07
2067 495161.06, 3859551.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.16E-07	2.66E-07	4.63E-03	1.46E-06	4.25E-07
2068 495211.06, 3859551.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
2069 495261.06, 3859551.99	2.66E-03	8.40E-07	2.44E-07	2.87E-03	9.07E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
2070 495311.06, 3859551.99	2.64E-03	8.35E-07	2.43E-07	2.86E-03	9.01E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07

2071 495361.06, 3859551.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2072 495411.06, 3859551.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2073 495461.06, 3859551.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.47E-03	1.41E-06	4.10E-07
2074 495511.06, 3859551.99	2.56E-03	8.09E-07	2.35E-07	2.77E-03	8.74E-07	2.54E-07	4.42E-03	1.39E-06	4.06E-07
2075 495561.06, 3859551.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.53E-07	4.39E-03	1.38E-06	4.03E-07
2076 495611.06, 3859551.99	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
2077 495661.06, 3859551.99	2.51E-03	7.91E-07	2.30E-07	2.71E-03	8.54E-07	2.48E-07	4.32E-03	1.36E-06	3.96E-07
2078 494311.06, 3859601.99	3.09E-03	9.75E-07	2.84E-07	3.34E-03	1.05E-06	3.06E-07	5.31E-03	1.68E-06	4.88E-07
2079 494361.06, 3859601.99	3.03E-03	9.56E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.21E-03	1.64E-06	4.78E-07
2080 494411.06, 3859601.99	2.99E-03	9.44E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.15E-03	1.62E-06	4.73E-07
2081 494461.06, 3859601.99	3.00E-03	9.46E-07	2.75E-07	3.24E-03	1.02E-06	2.97E-07	5.15E-03	1.63E-06	4.73E-07
2082 494511.06, 3859601.99	2.95E-03	9.32E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.08E-03	1.60E-06	4.67E-07
2083 494561.06, 3859601.99	2.95E-03	9.31E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.08E-03	1.60E-06	4.66E-07
2084 494611.06, 3859601.99	2.94E-03	9.28E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.06E-03	1.60E-06	4.64E-07
2085 494661.06, 3859601.99	2.89E-03	9.13E-07	2.66E-07	3.12E-03	9.86E-07	2.87E-07	4.98E-03	1.57E-06	4.57E-07
2086 494711.06, 3859601.99	2.85E-03	8.99E-07	2.61E-07	3.08E-03	9.71E-07	2.82E-07	4.90E-03	1.55E-06	4.50E-07
2087 494761.06, 3859601.99	2.87E-03	9.06E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.54E-07
2088 494811.06, 3859601.99	2.82E-03	8.91E-07	2.59E-07	3.05E-03	9.62E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
2089 494861.06, 3859601.99	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.56E-07	2.78E-07	4.83E-03	1.52E-06	4.43E-07
2090 494911.06, 3859601.99	2.77E-03	8.73E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.76E-03	1.50E-06	4.37E-07
2091 494961.06, 3859601.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
2092 495011.06, 3859601.99	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2093 495061.06, 3859601.99	2.73E-03	8.61E-07	2.51E-07	2.95E-03	9.30E-07	2.71E-07	4.70E-03	1.48E-06	4.31E-07
2094 495111.06, 3859601.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2095 495161.06, 3859601.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.64E-03	1.46E-06	4.26E-07
2096 495211.06, 3859601.99	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.13E-07	2.66E-07	4.61E-03	1.46E-06	4.23E-07
2097 495261.06, 3859601.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2098 495311.06, 3859601.99	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.64E-07	4.58E-03	1.44E-06	4.20E-07
2099 495361.06, 3859601.99	2.64E-03	8.34E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
2100 495411.06, 3859601.99	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2101 495461.06, 3859601.99	2.60E-03	8.20E-07	2.38E-07	2.80E-03	8.85E-07	2.57E-07	4.47E-03	1.41E-06	4.11E-07
2102 495511.06, 3859601.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.42E-03	1.40E-06	4.06E-07
2103 495561.06, 3859601.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
2104 495611.06, 3859601.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.35E-03	1.37E-06	3.99E-07
2105 495661.06, 3859601.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.57E-07	2.49E-07	4.33E-03	1.37E-06	3.98E-07
2106 494311.06, 3859651.99	3.04E-03	9.61E-07	2.80E-07	3.29E-03	1.04E-06	3.02E-07	5.23E-03	1.65E-06	4.81E-07
2107 494361.06, 3859651.99	2.99E-03	9.44E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.15E-03	1.62E-06	4.72E-07
2108 494411.06, 3859651.99	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.11E-03	1.61E-06	4.69E-07
2109 494461.06, 3859651.99	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.11E-03	1.61E-06	4.69E-07
2110 494511.06, 3859651.99	2.95E-03	9.31E-07	2.71E-07	3.19E-03	1.01E-06	2.92E-07	5.07E-03	1.60E-06	4.66E-07
2111 494561.06, 3859651.99	2.94E-03	9.26E-07	2.69E-07	3.17E-03	1.00E-06	2.91E-07	5.05E-03	1.59E-06	4.64E-07
2112 494611.06, 3859651.99	2.92E-03	9.21E-07	2.68E-07	3.15E-03	9.95E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
2113 494661.06, 3859651.99	2.87E-03	9.05E-07	2.63E-07	3.10E-03	9.78E-07	2.84E-07	4.94E-03	1.56E-06	4.53E-07
2114 494711.06, 3859651.99	2.86E-03	9.01E-07	2.62E-07	3.08E-03	9.73E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
2115 494761.06, 3859651.99	2.85E-03	8.98E-07	2.61E-07	3.07E-03	9.70E-07	2.82E-07	4.90E-03	1.55E-06	4.49E-07
2116 494811.06, 3859651.99	2.82E-03	8.89E-07	2.58E-07	3.04E-03	9.60E-07	2.79E-07	4.84E-03	1.53E-06	4.45E-07
2117 494861.06, 3859651.99	2.80E-03	8.84E-07	2.57E-07	3.03E-03	9.55E-07	2.78E-07	4.82E-03	1.52E-06	4.43E-07
2118 494911.06, 3859651.99	2.78E-03	8.77E-07	2.55E-07	3.00E-03	9.47E-07	2.76E-07	4.78E-03	1.51E-06	4.39E-07
2119 494961.06, 3859651.99	2.76E-03	8.72E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.76E-03	1.50E-06	4.37E-07
2120 495011.06, 3859651.99	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.36E-07	2.72E-07	4.72E-03	1.49E-06	4.34E-07
2121 495061.06, 3859651.99	2.73E-03	8.63E-07	2.51E-07	2.95E-03	9.32E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2122 495111.06, 3859651.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
2123 495161.06, 3859651.99	2.70E-03	8.51E-07	2.47E-07	2.91E-03	9.19E-07	2.67E-07	4.64E-03	1.46E-06	4.26E-07
2124 495211.06, 3859651.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.15E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
2125 495261.06, 3859651.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.10E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2126 495311.06, 3859651.99	2.66E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.57E-03	1.44E-06	4.20E-07
2127 495361.06, 3859651.99	2.64E-03	8.34E-07	2.43E-07	2.86E-03	9.01E-07	2.62E-07	4.55E-03	1.44E-06	4.18E-07
2128 495411.06, 3859651.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2129 495461.06, 3859651.99	2.60E-03	8.20E-07	2.38E-07	2.81E-03	8.85E-07	2.58E-07	4.47E-03	1.41E-06	4.11E-07
2130 495511.06, 3859651.99	2.57E-03	8.11E-07	2.36E-07	2.78E-03	8.76E-07	2.55E-07	4.43E-03	1.40E-06	4.06E-07
2131 495561.06, 3859651.99	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07

2132	495611.06, 3859651.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.02E-07
2133	495661.06, 3859651.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2134	494311.06, 3859701.99	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.11E-03	1.61E-06	4.69E-07
2135	494361.06, 3859701.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.65E-07
2136	494411.06, 3859701.99	2.94E-03	9.27E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	5.05E-03	1.59E-06	4.64E-07
2137	494461.06, 3859701.99	2.95E-03	9.30E-07	2.70E-07	3.18E-03	1.00E-06	2.92E-07	5.06E-03	1.60E-06	4.65E-07
2138	494511.06, 3859701.99	2.93E-03	9.24E-07	2.69E-07	3.16E-03	9.97E-07	2.90E-07	5.03E-03	1.59E-06	4.62E-07
2139	494561.06, 3859701.99	2.91E-03	9.20E-07	2.68E-07	3.15E-03	9.93E-07	2.89E-07	5.01E-03	1.58E-06	4.60E-07
2140	494611.06, 3859701.99	2.90E-03	9.15E-07	2.66E-07	3.13E-03	9.88E-07	2.87E-07	4.99E-03	1.57E-06	4.58E-07
2141	494661.06, 3859701.99	2.85E-03	8.99E-07	2.61E-07	3.08E-03	9.71E-07	2.82E-07	4.90E-03	1.55E-06	4.50E-07
2142	494711.06, 3859701.99	2.84E-03	8.98E-07	2.61E-07	3.07E-03	9.69E-07	2.82E-07	4.89E-03	1.54E-06	4.49E-07
2143	494761.06, 3859701.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.85E-03	1.53E-06	4.45E-07
2144	494811.06, 3859701.99	2.80E-03	8.82E-07	2.57E-07	3.02E-03	9.53E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
2145	494861.06, 3859701.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
2146	494911.06, 3859701.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.51E-06	4.38E-07
2147	494961.06, 3859701.99	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.38E-07	2.73E-07	4.74E-03	1.50E-06	4.35E-07
2148	495011.06, 3859701.99	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.35E-07	2.72E-07	4.72E-03	1.49E-06	4.33E-07
2149	495061.06, 3859701.99	2.73E-03	8.61E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
2150	495111.06, 3859701.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.66E-03	1.47E-06	4.28E-07
2151	495161.06, 3859701.99	2.69E-03	8.49E-07	2.47E-07	2.91E-03	9.17E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2152	495211.06, 3859701.99	2.67E-03	8.43E-07	2.45E-07	2.88E-03	9.10E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
2153	495261.06, 3859701.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
2154	495311.06, 3859701.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2155	495361.06, 3859701.99	2.63E-03	8.31E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2156	495411.06, 3859701.99	2.61E-03	8.23E-07	2.39E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2157	495461.06, 3859701.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2158	495511.06, 3859701.99	2.55E-03	8.06E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
2159	495561.06, 3859701.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.40E-03	1.39E-06	4.04E-07
2160	495611.06, 3859701.99	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2161	495661.06, 3859701.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2162	494311.06, 3859751.99	2.95E-03	9.30E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.07E-03	1.60E-06	4.65E-07
2163	494361.06, 3859751.99	2.93E-03	9.25E-07	2.69E-07	3.16E-03	9.99E-07	2.90E-07	5.04E-03	1.59E-06	4.62E-07
2164	494411.06, 3859751.99	2.91E-03	9.18E-07	2.67E-07	3.14E-03	9.91E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
2165	494461.06, 3859751.99	2.91E-03	9.18E-07	2.67E-07	3.14E-03	9.92E-07	2.88E-07	5.00E-03	1.58E-06	4.59E-07
2166	494511.06, 3859751.99	2.90E-03	9.17E-07	2.67E-07	3.14E-03	9.90E-07	2.88E-07	4.99E-03	1.58E-06	4.58E-07
2167	494561.06, 3859751.99	2.89E-03	9.11E-07	2.65E-07	3.12E-03	9.84E-07	2.86E-07	4.96E-03	1.57E-06	4.56E-07
2168	494611.06, 3859751.99	2.87E-03	9.04E-07	2.63E-07	3.09E-03	9.77E-07	2.84E-07	4.93E-03	1.55E-06	4.52E-07
2169	494661.06, 3859751.99	2.83E-03	8.93E-07	2.60E-07	3.06E-03	9.65E-07	2.81E-07	4.87E-03	1.54E-06	4.47E-07
2170	494711.06, 3859751.99	2.83E-03	8.92E-07	2.59E-07	3.05E-03	9.63E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
2171	494761.06, 3859751.99	2.81E-03	8.88E-07	2.58E-07	3.04E-03	9.59E-07	2.79E-07	4.84E-03	1.53E-06	4.44E-07
2172	494811.06, 3859751.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.80E-03	1.52E-06	4.41E-07
2173	494861.06, 3859751.99	2.78E-03	8.77E-07	2.55E-07	3.00E-03	9.47E-07	2.75E-07	4.78E-03	1.51E-06	4.39E-07
2174	494911.06, 3859751.99	2.76E-03	8.72E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2175	494961.06, 3859751.99	2.75E-03	8.68E-07	2.52E-07	2.97E-03	9.37E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2176	495011.06, 3859751.99	2.73E-03	8.63E-07	2.51E-07	2.95E-03	9.32E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2177	495061.06, 3859751.99	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
2178	495111.06, 3859751.99	2.71E-03	8.54E-07	2.48E-07	2.92E-03	9.22E-07	2.68E-07	4.66E-03	1.47E-06	4.27E-07
2179	495161.06, 3859751.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.16E-07	2.66E-07	4.62E-03	1.46E-06	4.25E-07
2180	495211.06, 3859751.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.10E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2181	495261.06, 3859751.99	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.63E-07	4.57E-03	1.44E-06	4.20E-07
2182	495311.06, 3859751.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
2183	495361.06, 3859751.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2184	495411.06, 3859751.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2185	495461.06, 3859751.99	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.82E-07	2.56E-07	4.45E-03	1.40E-06	4.09E-07
2186	495511.06, 3859751.99	2.56E-03	8.09E-07	2.35E-07	2.77E-03	8.74E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
2187	495561.06, 3859751.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
2188	495611.06, 3859751.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
2189	495661.06, 3859751.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2190	494311.06, 3859801.99	2.92E-03	9.22E-07	2.68E-07	3.15E-03	9.96E-07	2.90E-07	5.02E-03	1.58E-06	4.61E-07
2191	494361.06, 3859801.99	2.90E-03	9.15E-07	2.66E-07	3.13E-03	9.88E-07	2.87E-07	4.98E-03	1.57E-06	4.57E-07
2192	494411.06, 3859801.99	2.87E-03	9.07E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.53E-07

2193 494461.06, 3859801.99	2.87E-03	9.07E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.53E-07
2194 494511.06, 3859801.99	2.87E-03	9.07E-07	2.64E-07	3.10E-03	9.79E-07	2.85E-07	4.94E-03	1.56E-06	4.53E-07
2195 494561.06, 3859801.99	2.86E-03	9.02E-07	2.62E-07	3.09E-03	9.74E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
2196 494611.06, 3859801.99	2.83E-03	8.93E-07	2.60E-07	3.05E-03	9.64E-07	2.80E-07	4.86E-03	1.53E-06	4.46E-07
2197 494661.06, 3859801.99	2.81E-03	8.87E-07	2.58E-07	3.04E-03	9.58E-07	2.79E-07	4.83E-03	1.52E-06	4.44E-07
2198 494711.06, 3859801.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.79E-03	1.51E-06	4.40E-07
2199 494761.06, 3859801.99	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.80E-03	1.51E-06	4.40E-07
2200 494811.06, 3859801.99	2.77E-03	8.75E-07	2.55E-07	2.99E-03	9.45E-07	2.75E-07	4.77E-03	1.50E-06	4.38E-07
2201 494861.06, 3859801.99	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2202 494911.06, 3859801.99	2.74E-03	8.65E-07	2.52E-07	2.96E-03	9.35E-07	2.72E-07	4.71E-03	1.49E-06	4.33E-07
2203 494961.06, 3859801.99	2.73E-03	8.61E-07	2.50E-07	2.95E-03	9.30E-07	2.70E-07	4.69E-03	1.48E-06	4.31E-07
2204 495011.06, 3859801.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
2205 495061.06, 3859801.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2206 495111.06, 3859801.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.15E-07	2.66E-07	4.62E-03	1.46E-06	4.24E-07
2207 495161.06, 3859801.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.59E-03	1.45E-06	4.21E-07
2208 495211.06, 3859801.99	2.66E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.57E-03	1.44E-06	4.19E-07
2209 495261.06, 3859801.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.54E-03	1.43E-06	4.16E-07
2210 495311.06, 3859801.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.52E-03	1.43E-06	4.15E-07
2211 495361.06, 3859801.99	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2212 495411.06, 3859801.99	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2213 495461.06, 3859801.99	2.58E-03	8.13E-07	2.36E-07	2.78E-03	8.78E-07	2.55E-07	4.43E-03	1.40E-06	4.07E-07
2214 495511.06, 3859801.99	2.55E-03	8.06E-07	2.34E-07	2.76E-03	8.70E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
2215 495561.06, 3859801.99	2.54E-03	8.02E-07	2.33E-07	2.74E-03	8.66E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2216 495611.06, 3859801.99	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.64E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
2217 495661.06, 3859801.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.57E-07	2.49E-07	4.33E-03	1.37E-06	3.97E-07
2218 494311.06, 3859851.99	2.88E-03	9.10E-07	2.65E-07	3.11E-03	9.83E-07	2.86E-07	4.95E-03	1.56E-06	4.55E-07
2219 494361.06, 3859851.99	2.87E-03	9.05E-07	2.63E-07	3.10E-03	9.77E-07	2.84E-07	4.92E-03	1.55E-06	4.52E-07
2220 494411.06, 3859851.99	2.85E-03	8.98E-07	2.61E-07	3.07E-03	9.70E-07	2.82E-07	4.89E-03	1.54E-06	4.49E-07
2221 494461.06, 3859851.99	2.83E-03	8.93E-07	2.60E-07	3.06E-03	9.65E-07	2.81E-07	4.86E-03	1.54E-06	4.47E-07
2222 494511.06, 3859851.99	2.83E-03	8.92E-07	2.59E-07	3.05E-03	9.63E-07	2.80E-07	4.85E-03	1.53E-06	4.46E-07
2223 494561.06, 3859851.99	2.82E-03	8.91E-07	2.59E-07	3.05E-03	9.62E-07	2.80E-07	4.85E-03	1.53E-06	4.45E-07
2224 494611.06, 3859851.99	2.79E-03	8.82E-07	2.56E-07	3.02E-03	9.52E-07	2.77E-07	4.80E-03	1.52E-06	4.41E-07
2225 494661.06, 3859851.99	2.79E-03	8.79E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.79E-03	1.51E-06	4.40E-07
2226 494711.06, 3859851.99	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.42E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2227 494761.06, 3859851.99	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2228 494811.06, 3859851.99	2.75E-03	8.67E-07	2.52E-07	2.97E-03	9.36E-07	2.72E-07	4.72E-03	1.49E-06	4.33E-07
2229 494861.06, 3859851.99	2.74E-03	8.64E-07	2.51E-07	2.96E-03	9.33E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2230 494911.06, 3859851.99	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.27E-07	2.70E-07	4.68E-03	1.48E-06	4.29E-07
2231 494961.06, 3859851.99	2.71E-03	8.54E-07	2.49E-07	2.92E-03	9.23E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2232 495011.06, 3859851.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2233 495061.06, 3859851.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.61E-03	1.46E-06	4.23E-07
2234 495111.06, 3859851.99	2.66E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.45E-06	4.20E-07
2235 495161.06, 3859851.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.56E-03	1.44E-06	4.18E-07
2236 495211.06, 3859851.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2237 495261.06, 3859851.99	2.62E-03	8.27E-07	2.41E-07	2.83E-03	8.93E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2238 495311.06, 3859851.99	2.61E-03	8.23E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2239 495361.06, 3859851.99	2.60E-03	8.19E-07	2.38E-07	2.80E-03	8.85E-07	2.57E-07	4.46E-03	1.41E-06	4.10E-07
2240 495411.06, 3859851.99	2.58E-03	8.14E-07	2.37E-07	2.78E-03	8.79E-07	2.56E-07	4.43E-03	1.40E-06	4.07E-07
2241 495461.06, 3859851.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.41E-03	1.39E-06	4.04E-07
2242 495511.06, 3859851.99	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.67E-07	2.52E-07	4.37E-03	1.38E-06	4.02E-07
2243 495561.06, 3859851.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.36E-03	1.37E-06	4.00E-07
2244 495611.06, 3859851.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2245 495661.06, 3859851.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
2246 494311.06, 3859901.99	2.84E-03	8.98E-07	2.61E-07	3.07E-03	9.69E-07	2.82E-07	4.89E-03	1.54E-06	4.48E-07
2247 494361.06, 3859901.99	2.82E-03	8.90E-07	2.59E-07	3.05E-03	9.61E-07	2.80E-07	4.84E-03	1.53E-06	4.45E-07
2248 494411.06, 3859901.99	2.81E-03	8.88E-07	2.58E-07	3.04E-03	9.58E-07	2.79E-07	4.83E-03	1.52E-06	4.43E-07
2249 494461.06, 3859901.99	2.80E-03	8.83E-07	2.57E-07	3.02E-03	9.54E-07	2.77E-07	4.81E-03	1.52E-06	4.41E-07
2250 494511.06, 3859901.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.79E-03	1.51E-06	4.40E-07
2251 494561.06, 3859901.99	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.50E-07	2.76E-07	4.79E-03	1.51E-06	4.40E-07
2252 494611.06, 3859901.99	2.76E-03	8.71E-07	2.53E-07	2.98E-03	9.41E-07	2.74E-07	4.74E-03	1.50E-06	4.35E-07
2253 494661.06, 3859901.99	2.76E-03	8.71E-07	2.53E-07	2.98E-03	9.40E-07	2.73E-07	4.74E-03	1.50E-06	4.35E-07

2254 494711.06, 3859901.99	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.69E-03	1.48E-06	4.31E-07
2255 494761.06, 3859901.99	2.73E-03	8.60E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
2256 494811.06, 3859901.99	2.72E-03	8.58E-07	2.50E-07	2.94E-03	9.27E-07	2.70E-07	4.67E-03	1.47E-06	4.29E-07
2257 494861.06, 3859901.99	2.71E-03	8.55E-07	2.49E-07	2.93E-03	9.24E-07	2.69E-07	4.66E-03	1.47E-06	4.27E-07
2258 494911.06, 3859901.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2259 494961.06, 3859901.99	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.61E-03	1.46E-06	4.23E-07
2260 495011.06, 3859901.99	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
2261 495061.06, 3859901.99	2.65E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2262 495111.06, 3859901.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.99E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2263 495161.06, 3859901.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2264 495211.06, 3859901.99	2.61E-03	8.25E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2265 495261.06, 3859901.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2266 495311.06, 3859901.99	2.58E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
2267 495361.06, 3859901.99	2.57E-03	8.11E-07	2.36E-07	2.78E-03	8.76E-07	2.55E-07	4.42E-03	1.39E-06	4.06E-07
2268 495411.06, 3859901.99	2.55E-03	8.06E-07	2.34E-07	2.76E-03	8.70E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
2269 495461.06, 3859901.99	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2270 495511.06, 3859901.99	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.35E-03	1.37E-06	3.99E-07
2271 495561.06, 3859901.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.33E-03	1.37E-06	3.98E-07
2272 495611.06, 3859901.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2273 495661.06, 3859901.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2274 494311.06, 3859951.99	2.81E-03	8.86E-07	2.58E-07	3.03E-03	9.57E-07	2.78E-07	4.82E-03	1.52E-06	4.43E-07
2275 494361.06, 3859951.99	2.79E-03	8.81E-07	2.56E-07	3.01E-03	9.51E-07	2.77E-07	4.79E-03	1.51E-06	4.40E-07
2276 494411.06, 3859951.99	2.78E-03	8.76E-07	2.55E-07	3.00E-03	9.46E-07	2.75E-07	4.77E-03	1.50E-06	4.38E-07
2277 494461.06, 3859951.99	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.74E-03	1.50E-06	4.36E-07
2278 494511.06, 3859951.99	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.38E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2279 494561.06, 3859951.99	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2280 494611.06, 3859951.99	2.73E-03	8.62E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.69E-03	1.48E-06	4.31E-07
2281 494661.06, 3859951.99	2.73E-03	8.61E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
2282 494711.06, 3859951.99	2.71E-03	8.54E-07	2.48E-07	2.92E-03	9.22E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2283 494761.06, 3859951.99	2.70E-03	8.51E-07	2.48E-07	2.91E-03	9.19E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2284 494811.06, 3859951.99	2.69E-03	8.48E-07	2.47E-07	2.90E-03	9.15E-07	2.66E-07	4.61E-03	1.46E-06	4.24E-07
2285 494861.06, 3859951.99	2.68E-03	8.46E-07	2.46E-07	2.89E-03	9.13E-07	2.66E-07	4.60E-03	1.45E-06	4.23E-07
2286 494911.06, 3859951.99	2.66E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.44E-06	4.20E-07
2287 494961.06, 3859951.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.03E-07	2.63E-07	4.55E-03	1.44E-06	4.18E-07
2288 495011.06, 3859951.99	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.53E-03	1.43E-06	4.16E-07
2289 495061.06, 3859951.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.95E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2290 495111.06, 3859951.99	2.61E-03	8.23E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.48E-03	1.41E-06	4.12E-07
2291 495161.06, 3859951.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2292 495211.06, 3859951.99	2.58E-03	8.14E-07	2.37E-07	2.78E-03	8.79E-07	2.56E-07	4.43E-03	1.40E-06	4.07E-07
2293 495261.06, 3859951.99	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.75E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
2294 495311.06, 3859951.99	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2295 495361.06, 3859951.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.38E-03	1.38E-06	4.02E-07
2296 495411.06, 3859951.99	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
2297 495461.06, 3859951.99	2.52E-03	7.95E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.33E-03	1.37E-06	3.97E-07
2298 495511.06, 3859951.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.54E-07	2.48E-07	4.31E-03	1.36E-06	3.95E-07
2299 495561.06, 3859951.99	2.50E-03	7.88E-07	2.29E-07	2.70E-03	8.51E-07	2.48E-07	4.29E-03	1.36E-06	3.94E-07
2300 495611.06, 3859951.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2301 495661.06, 3859951.99	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
2302 494311.06, 3860001.99	2.77E-03	8.74E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2303 494361.06, 3860001.99	2.76E-03	8.70E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2304 494411.06, 3860001.99	2.74E-03	8.64E-07	2.51E-07	2.96E-03	9.33E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
2305 494461.06, 3860001.99	2.73E-03	8.61E-07	2.50E-07	2.94E-03	9.29E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
2306 494511.06, 3860001.99	2.71E-03	8.56E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.66E-03	1.47E-06	4.28E-07
2307 494561.06, 3860001.99	2.72E-03	8.58E-07	2.49E-07	2.93E-03	9.26E-07	2.69E-07	4.67E-03	1.47E-06	4.28E-07
2308 494611.06, 3860001.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.64E-03	1.46E-06	4.26E-07
2309 494661.06, 3860001.99	2.69E-03	8.50E-07	2.47E-07	2.91E-03	9.17E-07	2.67E-07	4.62E-03	1.46E-06	4.24E-07
2310 494711.06, 3860001.99	2.67E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.45E-06	4.20E-07
2311 494761.06, 3860001.99	2.66E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.44E-06	4.20E-07
2312 494811.06, 3860001.99	2.66E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2313 494861.06, 3860001.99	2.65E-03	8.36E-07	2.43E-07	2.86E-03	9.02E-07	2.62E-07	4.55E-03	1.44E-06	4.17E-07
2314 494911.06, 3860001.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07

2315 494961.06, 3860001.99	2.62E-03	8.25E-07	2.40E-07	2.82E-03	8.91E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2316 495011.06, 3860001.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.47E-03	1.41E-06	4.10E-07
2317 495061.06, 3860001.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2318 495111.06, 3860001.99	2.58E-03	8.14E-07	2.37E-07	2.79E-03	8.79E-07	2.56E-07	4.43E-03	1.40E-06	4.07E-07
2319 495161.06, 3860001.99	2.56E-03	8.10E-07	2.35E-07	2.77E-03	8.74E-07	2.54E-07	4.41E-03	1.39E-06	4.05E-07
2320 495211.06, 3860001.99	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.71E-07	2.53E-07	4.39E-03	1.39E-06	4.03E-07
2321 495261.06, 3860001.99	2.54E-03	8.03E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2322 495311.06, 3860001.99	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.63E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
2323 495361.06, 3860001.99	2.51E-03	7.94E-07	2.31E-07	2.71E-03	8.57E-07	2.49E-07	4.32E-03	1.36E-06	3.97E-07
2324 495411.06, 3860001.99	2.51E-03	7.92E-07	2.30E-07	2.71E-03	8.55E-07	2.49E-07	4.31E-03	1.36E-06	3.96E-07
2325 495461.06, 3860001.99	2.50E-03	7.88E-07	2.29E-07	2.70E-03	8.51E-07	2.47E-07	4.29E-03	1.35E-06	3.94E-07
2326 495511.06, 3860001.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2327 495561.06, 3860001.99	2.48E-03	7.82E-07	2.27E-07	2.67E-03	8.44E-07	2.45E-07	4.26E-03	1.34E-06	3.91E-07
2328 495611.06, 3860001.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.34E-06	3.88E-07
2329 495661.06, 3860001.99	2.45E-03	7.72E-07	2.25E-07	2.64E-03	8.34E-07	2.43E-07	4.21E-03	1.33E-06	3.86E-07
2330 494411.06, 3860051.99	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.64E-03	1.46E-06	4.26E-07
2331 494461.06, 3860051.99	2.69E-03	8.49E-07	2.47E-07	2.90E-03	9.17E-07	2.67E-07	4.62E-03	1.46E-06	4.24E-07
2332 494511.06, 3860051.99	2.68E-03	8.45E-07	2.46E-07	2.89E-03	9.13E-07	2.65E-07	4.60E-03	1.45E-06	4.22E-07
2333 494561.06, 3860051.99	2.67E-03	8.44E-07	2.46E-07	2.89E-03	9.11E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2334 494611.06, 3860051.99	2.67E-03	8.41E-07	2.45E-07	2.88E-03	9.08E-07	2.64E-07	4.58E-03	1.44E-06	4.20E-07
2335 494661.06, 3860051.99	2.66E-03	8.38E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.56E-03	1.44E-06	4.19E-07
2336 494711.06, 3860051.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.62E-07	4.53E-03	1.43E-06	4.16E-07
2337 494761.06, 3860051.99	2.63E-03	8.30E-07	2.41E-07	2.84E-03	8.96E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2338 494811.06, 3860051.99	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2339 494861.06, 3860051.99	2.62E-03	8.26E-07	2.40E-07	2.82E-03	8.92E-07	2.59E-07	4.49E-03	1.42E-06	4.13E-07
2340 494911.06, 3860051.99	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.47E-03	1.41E-06	4.10E-07
2341 494961.06, 3860051.99	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.82E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
2342 495011.06, 3860051.99	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.42E-03	1.39E-06	4.06E-07
2343 495061.06, 3860051.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2344 495111.06, 3860051.99	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.52E-07	4.37E-03	1.38E-06	4.01E-07
2345 495161.06, 3860051.99	2.53E-03	8.00E-07	2.33E-07	2.74E-03	8.64E-07	2.51E-07	4.35E-03	1.37E-06	4.00E-07
2346 495211.06, 3860051.99	2.52E-03	7.96E-07	2.31E-07	2.72E-03	8.59E-07	2.50E-07	4.33E-03	1.37E-06	3.98E-07
2347 495261.06, 3860051.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.32E-03	1.36E-06	3.96E-07
2348 495311.06, 3860051.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2349 495361.06, 3860051.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2350 495411.06, 3860051.99	2.48E-03	7.84E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2351 495461.06, 3860051.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
2352 495511.06, 3860051.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
2353 495561.06, 3860051.99	2.45E-03	7.73E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
2354 495611.06, 3860051.99	2.44E-03	7.69E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
2355 495661.06, 3860051.99	2.42E-03	7.65E-07	2.22E-07	2.62E-03	8.26E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
2356 494411.06, 3860101.99	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.64E-07	4.57E-03	1.44E-06	4.19E-07
2357 494461.06, 3860101.99	2.65E-03	8.38E-07	2.44E-07	2.87E-03	9.04E-07	2.63E-07	4.56E-03	1.44E-06	4.18E-07
2358 494511.06, 3860101.99	2.64E-03	8.33E-07	2.42E-07	2.85E-03	8.99E-07	2.62E-07	4.53E-03	1.43E-06	4.16E-07
2359 494561.06, 3860101.99	2.63E-03	8.30E-07	2.42E-07	2.84E-03	8.97E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2360 494611.06, 3860101.99	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
2361 494661.06, 3860101.99	2.62E-03	8.26E-07	2.40E-07	2.83E-03	8.92E-07	2.59E-07	4.50E-03	1.42E-06	4.13E-07
2362 494711.06, 3860101.99	2.60E-03	8.22E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.47E-03	1.41E-06	4.10E-07
2363 494761.06, 3860101.99	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.84E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
2364 494811.06, 3860101.99	2.59E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
2365 494861.06, 3860101.99	2.58E-03	8.16E-07	2.37E-07	2.79E-03	8.81E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
2366 494911.06, 3860101.99	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2367 494961.06, 3860101.99	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.70E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
2368 495011.06, 3860101.99	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.36E-03	1.38E-06	4.00E-07
2369 495061.06, 3860101.99	2.53E-03	7.97E-07	2.32E-07	2.73E-03	8.61E-07	2.50E-07	4.34E-03	1.37E-06	3.98E-07
2370 495111.06, 3860101.99	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.31E-03	1.36E-06	3.96E-07
2371 495161.06, 3860101.99	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2372 495211.06, 3860101.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2373 495261.06, 3860101.99	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.26E-03	1.35E-06	3.91E-07
2374 495311.06, 3860101.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
2375 495361.06, 3860101.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.34E-06	3.88E-07

2376	495411.06, 3860101.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
2377	495461.06, 3860101.99	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
2378	495511.06, 3860101.99	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
2379	495561.06, 3860101.99	2.42E-03	7.65E-07	2.22E-07	2.62E-03	8.26E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
2380	495611.06, 3860101.99	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
2381	495661.06, 3860101.99	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.17E-07	2.38E-07	4.12E-03	1.30E-06	3.78E-07
2382	494861.06, 3860151.99	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2383	494911.06, 3860151.99	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.61E-07	2.51E-07	4.34E-03	1.37E-06	3.99E-07
2384	494961.06, 3860151.99	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.49E-07	4.32E-03	1.36E-06	3.97E-07
2385	495011.06, 3860151.99	2.50E-03	7.91E-07	2.30E-07	2.70E-03	8.54E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2386	495061.06, 3860151.99	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2387	495111.06, 3860151.99	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.26E-03	1.35E-06	3.91E-07
2388	495161.06, 3860151.99	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.42E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
2389	495211.06, 3860151.99	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
2390	495261.06, 3860151.99	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.35E-07	2.43E-07	4.21E-03	1.33E-06	3.87E-07
2391	495311.06, 3860151.99	2.44E-03	7.71E-07	2.24E-07	2.64E-03	8.32E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
2392	495361.06, 3860151.99	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
2393	495411.06, 3860151.99	2.42E-03	7.64E-07	2.22E-07	2.62E-03	8.25E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
2394	495461.06, 3860151.99	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.22E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
2395	495511.06, 3860151.99	2.40E-03	7.58E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
2396	495561.06, 3860151.99	2.39E-03	7.55E-07	2.20E-07	2.58E-03	8.15E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
2397	495611.06, 3860151.99	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.09E-03	1.29E-06	3.76E-07
2398	495661.06, 3860151.99	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.07E-03	1.29E-06	3.74E-07
2399	495718.25, 3859442.96	2.45E-03	7.73E-07	2.25E-07	2.64E-03	8.34E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
2400	495818.25, 3859442.96	2.40E-03	7.58E-07	2.20E-07	2.59E-03	8.19E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
2401	495918.25, 3859442.96	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.08E-03	1.29E-06	3.75E-07
2402	496018.25, 3859442.96	2.34E-03	7.39E-07	2.15E-07	2.53E-03	7.99E-07	2.32E-07	4.04E-03	1.27E-06	3.70E-07
2403	496118.25, 3859442.96	2.36E-03	7.44E-07	2.16E-07	2.55E-03	8.04E-07	2.34E-07	4.06E-03	1.28E-06	3.73E-07
2404	496218.25, 3859442.96	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.08E-03	1.29E-06	3.74E-07
2405	496318.25, 3859442.96	2.34E-03	7.40E-07	2.15E-07	2.53E-03	7.99E-07	2.32E-07	4.04E-03	1.27E-06	3.71E-07
2406	496418.25, 3859442.96	2.32E-03	7.32E-07	2.13E-07	2.50E-03	7.91E-07	2.30E-07	4.00E-03	1.26E-06	3.67E-07
2407	495718.25, 3859542.96	2.48E-03	7.83E-07	2.28E-07	2.68E-03	8.46E-07	2.46E-07	4.27E-03	1.35E-06	3.92E-07
2408	495818.25, 3859542.96	2.45E-03	7.73E-07	2.25E-07	2.64E-03	8.35E-07	2.43E-07	4.22E-03	1.33E-06	3.87E-07
2409	495918.25, 3859542.96	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
2410	496018.25, 3859542.96	2.37E-03	7.50E-07	2.18E-07	2.57E-03	8.10E-07	2.35E-07	4.09E-03	1.29E-06	3.76E-07
2411	496118.25, 3859542.96	2.39E-03	7.53E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.78E-07
2412	496218.25, 3859542.96	2.39E-03	7.53E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
2413	496318.25, 3859542.96	2.38E-03	7.50E-07	2.18E-07	2.57E-03	8.11E-07	2.36E-07	4.10E-03	1.29E-06	3.76E-07
2414	496418.25, 3859542.96	2.34E-03	7.40E-07	2.15E-07	2.53E-03	7.99E-07	2.32E-07	4.04E-03	1.27E-06	3.71E-07
2415	495718.25, 3859642.96	2.49E-03	7.86E-07	2.29E-07	2.69E-03	8.49E-07	2.47E-07	4.29E-03	1.35E-06	3.94E-07
2416	495818.25, 3859642.96	2.45E-03	7.74E-07	2.25E-07	2.65E-03	8.36E-07	2.43E-07	4.23E-03	1.33E-06	3.88E-07
2417	495918.25, 3859642.96	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.19E-03	1.32E-06	3.84E-07
2418	496018.25, 3859642.96	2.40E-03	7.57E-07	2.20E-07	2.59E-03	8.17E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
2419	496118.25, 3859642.96	2.41E-03	7.61E-07	2.21E-07	2.61E-03	8.22E-07	2.39E-07	4.16E-03	1.31E-06	3.81E-07
2420	496218.25, 3859642.96	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.16E-03	1.31E-06	3.82E-07
2421	496318.25, 3859642.96	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.78E-07
2422	496418.25, 3859642.96	2.29E-03	7.24E-07	2.11E-07	2.48E-03	7.82E-07	2.28E-07	3.95E-03	1.25E-06	3.63E-07
2423	495718.25, 3859742.96	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.31E-03	1.36E-06	3.96E-07
2424	495818.25, 3859742.96	2.46E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
2425	495918.25, 3859742.96	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.30E-07	2.41E-07	4.19E-03	1.32E-06	3.85E-07
2426	496018.25, 3859742.96	2.40E-03	7.58E-07	2.20E-07	2.59E-03	8.19E-07	2.38E-07	4.14E-03	1.31E-06	3.80E-07
2427	496118.25, 3859742.96	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
2428	496218.25, 3859742.96	2.42E-03	7.63E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.17E-03	1.31E-06	3.82E-07
2429	496318.25, 3859742.96	2.35E-03	7.41E-07	2.16E-07	2.54E-03	8.00E-07	2.33E-07	4.04E-03	1.28E-06	3.71E-07
2430	496418.25, 3859742.96	2.28E-03	7.20E-07	2.09E-07	2.46E-03	7.78E-07	2.26E-07	3.93E-03	1.24E-06	3.61E-07
2431	495718.25, 3859842.96	2.49E-03	7.86E-07	2.29E-07	2.69E-03	8.48E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2432	495818.25, 3859842.96	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.24E-03	1.34E-06	3.89E-07
2433	495918.25, 3859842.96	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.19E-03	1.32E-06	3.84E-07
2434	496018.25, 3859842.96	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.15E-03	1.31E-06	3.81E-07
2435	496118.25, 3859842.96	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
2436	496218.25, 3859842.96	2.37E-03	7.47E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.29E-06	3.74E-07

2437	496318.25, 3859842.96	2.24E-03	7.08E-07	2.06E-07	2.42E-03	7.65E-07	2.22E-07	3.86E-03	1.22E-06	3.55E-07
2438	496418.25, 3859842.96	2.16E-03	6.81E-07	1.98E-07	2.33E-03	7.36E-07	2.14E-07	3.72E-03	1.17E-06	3.41E-07
2439	495718.25, 3859942.96	2.46E-03	7.76E-07	2.26E-07	2.65E-03	8.38E-07	2.44E-07	4.23E-03	1.33E-06	3.88E-07
2440	495818.25, 3859942.96	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
2441	495918.25, 3859942.96	2.41E-03	7.61E-07	2.21E-07	2.60E-03	8.21E-07	2.39E-07	4.14E-03	1.31E-06	3.81E-07
2442	496018.25, 3859942.96	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.20E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
2443	496118.25, 3859942.96	2.37E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.28E-06	3.74E-07
2444	496218.25, 3859942.96	2.29E-03	7.24E-07	2.11E-07	2.48E-03	7.82E-07	2.27E-07	3.95E-03	1.25E-06	3.63E-07
2445	496318.25, 3859942.96	2.22E-03	6.99E-07	2.03E-07	2.39E-03	7.55E-07	2.20E-07	3.82E-03	1.20E-06	3.50E-07
2446	496418.25, 3859942.96	2.10E-03	6.64E-07	1.93E-07	2.27E-03	7.17E-07	2.09E-07	3.62E-03	1.14E-06	3.32E-07
2447	496856.82, 3858864.83	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.67E-07	1.94E-07	3.37E-03	1.06E-06	3.09E-07
2448	496956.82, 3858864.83	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
2449	497056.82, 3858864.83	1.90E-03	6.00E-07	1.75E-07	2.05E-03	6.48E-07	1.88E-07	3.27E-03	1.03E-06	3.00E-07
2450	497156.82, 3858864.83	1.87E-03	5.89E-07	1.71E-07	2.02E-03	6.36E-07	1.85E-07	3.21E-03	1.01E-06	2.95E-07
2451	497256.82, 3858864.83	1.86E-03	5.86E-07	1.70E-07	2.00E-03	6.33E-07	1.84E-07	3.19E-03	1.01E-06	2.93E-07
2452	496856.82, 3858964.83	2.01E-03	6.33E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.45E-03	1.09E-06	3.17E-07
2453	496956.82, 3858964.83	1.96E-03	6.20E-07	1.80E-07	2.12E-03	6.69E-07	1.95E-07	3.38E-03	1.07E-06	3.10E-07
2454	497056.82, 3858964.83	1.93E-03	6.10E-07	1.77E-07	2.09E-03	6.58E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
2455	497156.82, 3858964.83	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.27E-03	1.03E-06	3.00E-07
2456	497256.82, 3858964.83	1.92E-03	6.05E-07	1.76E-07	2.07E-03	6.53E-07	1.90E-07	3.30E-03	1.04E-06	3.03E-07
2457	496856.82, 3859064.83	2.02E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.48E-03	1.10E-06	3.20E-07
2458	496956.82, 3859064.83	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.42E-03	1.08E-06	3.14E-07
2459	497056.82, 3859064.83	1.96E-03	6.19E-07	1.80E-07	2.12E-03	6.69E-07	1.94E-07	3.38E-03	1.07E-06	3.10E-07
2460	497156.82, 3859064.83	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.61E-07	1.92E-07	3.34E-03	1.05E-06	3.06E-07
2461	497256.82, 3859064.83	1.97E-03	6.22E-07	1.81E-07	2.13E-03	6.72E-07	1.95E-07	3.39E-03	1.07E-06	3.12E-07
2462	496856.82, 3859164.83	2.02E-03	6.38E-07	1.85E-07	2.18E-03	6.89E-07	2.00E-07	3.48E-03	1.10E-06	3.19E-07
2463	496956.82, 3859164.83	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.76E-07	1.97E-07	3.41E-03	1.08E-06	3.13E-07
2464	497056.82, 3859164.83	1.97E-03	6.21E-07	1.81E-07	2.13E-03	6.71E-07	1.95E-07	3.39E-03	1.07E-06	3.11E-07
2465	497156.82, 3859164.83	1.98E-03	6.25E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.41E-03	1.08E-06	3.13E-07
2466	497256.82, 3859164.83	2.02E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
2467	496856.82, 3859264.83	2.00E-03	6.32E-07	1.84E-07	2.16E-03	6.82E-07	1.98E-07	3.45E-03	1.09E-06	3.16E-07
2468	496956.82, 3859264.83	2.00E-03	6.30E-07	1.83E-07	2.16E-03	6.81E-07	1.98E-07	3.44E-03	1.08E-06	3.16E-07
2469	497056.82, 3859264.83	2.01E-03	6.35E-07	1.85E-07	2.17E-03	6.86E-07	1.99E-07	3.46E-03	1.09E-06	3.18E-07
2470	497156.82, 3859264.83	2.02E-03	6.38E-07	1.86E-07	2.18E-03	6.89E-07	2.01E-07	3.48E-03	1.10E-06	3.20E-07
2471	497256.82, 3859264.83	2.06E-03	6.49E-07	1.89E-07	2.22E-03	7.01E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
2472	497088.92, 3858620.93	1.78E-03	5.63E-07	1.64E-07	1.92E-03	6.08E-07	1.77E-07	3.07E-03	9.67E-07	2.81E-07
2473	497138.92, 3858620.93	1.78E-03	5.62E-07	1.63E-07	1.92E-03	6.07E-07	1.76E-07	3.06E-03	9.66E-07	2.81E-07
2474	497188.92, 3858620.93	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.04E-03	9.60E-07	2.79E-07
2475	497238.92, 3858620.93	1.76E-03	5.55E-07	1.61E-07	1.90E-03	5.99E-07	1.74E-07	3.02E-03	9.55E-07	2.78E-07
2476	497088.92, 3858670.93	1.79E-03	5.64E-07	1.64E-07	1.93E-03	6.09E-07	1.77E-07	3.07E-03	9.69E-07	2.82E-07
2477	497138.92, 3858670.93	1.79E-03	5.66E-07	1.65E-07	1.94E-03	6.11E-07	1.78E-07	3.08E-03	9.73E-07	2.83E-07
2478	497188.92, 3858670.93	1.78E-03	5.61E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.06E-03	9.64E-07	2.80E-07
2479	497238.92, 3858670.93	1.77E-03	5.60E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.05E-03	9.62E-07	2.80E-07
2480	497088.92, 3858720.93	1.82E-03	5.76E-07	1.67E-07	1.97E-03	6.22E-07	1.81E-07	3.14E-03	9.90E-07	2.88E-07
2481	497138.92, 3858720.93	1.78E-03	5.62E-07	1.64E-07	1.92E-03	6.07E-07	1.77E-07	3.06E-03	9.67E-07	2.81E-07
2482	497188.92, 3858720.93	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.05E-03	9.62E-07	2.80E-07
2483	497238.92, 3858720.93	1.79E-03	5.66E-07	1.65E-07	1.94E-03	6.11E-07	1.78E-07	3.08E-03	9.73E-07	2.83E-07
2484	497088.92, 3858770.93	1.83E-03	5.79E-07	1.68E-07	1.98E-03	6.25E-07	1.82E-07	3.15E-03	9.95E-07	2.90E-07
2485	497138.92, 3858770.93	1.82E-03	5.73E-07	1.67E-07	1.96E-03	6.19E-07	1.80E-07	3.12E-03	9.85E-07	2.87E-07
2486	497188.92, 3858770.93	1.80E-03	5.68E-07	1.65E-07	1.94E-03	6.14E-07	1.79E-07	3.10E-03	9.78E-07	2.84E-07
2487	497238.92, 3858770.93	1.81E-03	5.72E-07	1.66E-07	1.96E-03	6.18E-07	1.80E-07	3.12E-03	9.84E-07	2.86E-07
2488	497396.65, 3858622.63	1.82E-03	5.76E-07	1.67E-07	1.97E-03	6.22E-07	1.81E-07	3.14E-03	9.90E-07	2.88E-07
2489	497496.65, 3858622.63	1.86E-03	5.87E-07	1.71E-07	2.01E-03	6.34E-07	1.84E-07	3.20E-03	1.01E-06	2.94E-07
2490	497596.65, 3858622.63	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.32E-03	1.05E-06	3.04E-07
2491	497696.65, 3858622.63	1.95E-03	6.14E-07	1.79E-07	2.10E-03	6.63E-07	1.93E-07	3.35E-03	1.06E-06	3.08E-07
2492	497796.65, 3858622.63	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.43E-03	1.08E-06	3.14E-07
2493	497896.65, 3858622.63	2.03E-03	6.41E-07	1.87E-07	2.20E-03	6.93E-07	2.02E-07	3.50E-03	1.10E-06	3.21E-07
2494	497396.65, 3858722.63	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.22E-03	1.02E-06	2.95E-07
2495	497496.65, 3858722.63	1.91E-03	6.02E-07	1.75E-07	2.06E-03	6.50E-07	1.89E-07	3.28E-03	1.04E-06	3.01E-07
2496	497596.65, 3858722.63	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.40E-03	1.07E-06	3.12E-07
2497	497696.65, 3858722.63	2.01E-03	6.34E-07	1.84E-07	2.17E-03	6.85E-07	1.99E-07	3.46E-03	1.09E-06	3.18E-07

2498	497796.65, 3858722.63	2.03E-03	6.39E-07	1.86E-07	2.19E-03	6.91E-07	2.01E-07	3.49E-03	1.10E-06	3.20E-07
2499	497896.65, 3858722.63	2.05E-03	6.48E-07	1.89E-07	2.22E-03	7.00E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
2500	497396.65, 3858822.63	1.90E-03	5.99E-07	1.74E-07	2.05E-03	6.47E-07	1.88E-07	3.27E-03	1.03E-06	3.00E-07
2501	497496.65, 3858822.63	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.58E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
2502	497596.65, 3858822.63	2.01E-03	6.33E-07	1.84E-07	2.17E-03	6.84E-07	1.99E-07	3.45E-03	1.09E-06	3.17E-07
2503	497696.65, 3858822.63	2.03E-03	6.41E-07	1.87E-07	2.20E-03	6.93E-07	2.02E-07	3.50E-03	1.10E-06	3.21E-07
2504	497796.65, 3858822.63	2.05E-03	6.47E-07	1.88E-07	2.21E-03	6.99E-07	2.03E-07	3.53E-03	1.11E-06	3.24E-07
2505	497896.65, 3858822.63	2.10E-03	6.63E-07	1.93E-07	2.27E-03	7.16E-07	2.08E-07	3.62E-03	1.14E-06	3.32E-07
2506	497396.65, 3858922.63	1.93E-03	6.09E-07	1.77E-07	2.09E-03	6.58E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
2507	497496.65, 3858922.63	2.00E-03	6.30E-07	1.83E-07	2.16E-03	6.81E-07	1.98E-07	3.44E-03	1.09E-06	3.16E-07
2508	497596.65, 3858922.63	1.99E-03	6.29E-07	1.83E-07	2.15E-03	6.79E-07	1.98E-07	3.43E-03	1.08E-06	3.15E-07
2509	497696.65, 3858922.63	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.56E-03	1.12E-06	3.27E-07
2510	497796.65, 3858922.63	2.11E-03	6.65E-07	1.93E-07	2.28E-03	7.18E-07	2.09E-07	3.63E-03	1.15E-06	3.33E-07
2511	497896.65, 3858922.63	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.40E-07	2.15E-07	3.74E-03	1.18E-06	3.43E-07
2512	497364.44, 3858201.52	1.74E-03	5.48E-07	1.60E-07	1.88E-03	5.92E-07	1.72E-07	2.99E-03	9.43E-07	2.74E-07
2513	497414.44, 3858201.52	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	3.02E-03	9.52E-07	2.77E-07
2514	497464.44, 3858201.52	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.04E-03	9.60E-07	2.79E-07
2515	497514.44, 3858201.52	1.78E-03	5.60E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.05E-03	9.64E-07	2.80E-07
2516	497564.44, 3858201.52	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.02E-07	1.75E-07	3.04E-03	9.60E-07	2.79E-07
2517	497614.44, 3858201.52	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.03E-07	1.76E-07	3.05E-03	9.61E-07	2.80E-07
2518	497364.44, 3858251.52	1.77E-03	5.57E-07	1.62E-07	1.91E-03	6.02E-07	1.75E-07	3.04E-03	9.58E-07	2.79E-07
2519	497414.44, 3858251.52	1.79E-03	5.65E-07	1.64E-07	1.93E-03	6.10E-07	1.77E-07	3.08E-03	9.71E-07	2.82E-07
2520	497464.44, 3858251.52	1.77E-03	5.60E-07	1.63E-07	1.92E-03	6.05E-07	1.76E-07	3.05E-03	9.63E-07	2.80E-07
2521	497514.44, 3858251.52	1.76E-03	5.54E-07	1.61E-07	1.90E-03	5.99E-07	1.74E-07	3.02E-03	9.53E-07	2.77E-07
2522	497564.44, 3858251.52	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.96E-07	1.73E-07	3.01E-03	9.50E-07	2.76E-07
2523	497614.44, 3858251.52	1.74E-03	5.51E-07	1.60E-07	1.88E-03	5.95E-07	1.73E-07	3.00E-03	9.47E-07	2.75E-07
2524	497364.44, 3858301.52	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.04E-07	1.76E-07	3.05E-03	9.61E-07	2.80E-07
2525	497414.44, 3858301.52	1.79E-03	5.63E-07	1.64E-07	1.93E-03	6.08E-07	1.77E-07	3.07E-03	9.69E-07	2.82E-07
2526	497464.44, 3858301.52	1.77E-03	5.57E-07	1.62E-07	1.91E-03	6.02E-07	1.75E-07	3.04E-03	9.58E-07	2.79E-07
2527	497514.44, 3858301.52	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.97E-07	1.74E-07	3.01E-03	9.52E-07	2.77E-07
2528	497564.44, 3858301.52	1.73E-03	5.47E-07	1.59E-07	1.87E-03	5.91E-07	1.72E-07	2.98E-03	9.41E-07	2.74E-07
2529	497614.44, 3858301.52	1.73E-03	5.45E-07	1.59E-07	1.86E-03	5.89E-07	1.71E-07	2.97E-03	9.37E-07	2.73E-07
2530	497364.44, 3858351.52	1.78E-03	5.62E-07	1.64E-07	1.92E-03	6.07E-07	1.77E-07	3.06E-03	9.67E-07	2.81E-07
2531	497414.44, 3858351.52	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.04E-03	9.60E-07	2.79E-07
2532	497464.44, 3858351.52	1.76E-03	5.57E-07	1.62E-07	1.90E-03	6.01E-07	1.75E-07	3.03E-03	9.57E-07	2.78E-07
2533	497514.44, 3858351.52	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.98E-07	1.74E-07	3.02E-03	9.52E-07	2.77E-07
2534	497564.44, 3858351.52	1.73E-03	5.46E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.97E-03	9.38E-07	2.73E-07
2535	497614.44, 3858351.52	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.87E-07	1.71E-07	2.96E-03	9.35E-07	2.72E-07
2536	497364.44, 3858401.52	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	3.03E-03	9.56E-07	2.78E-07
2537	497414.44, 3858401.52	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	3.03E-03	9.56E-07	2.78E-07
2538	497464.44, 3858401.52	1.75E-03	5.52E-07	1.60E-07	1.89E-03	5.96E-07	1.73E-07	3.01E-03	9.49E-07	2.76E-07
2539	497514.44, 3858401.52	1.74E-03	5.49E-07	1.60E-07	1.88E-03	5.93E-07	1.73E-07	2.99E-03	9.45E-07	2.75E-07
2540	497564.44, 3858401.52	1.76E-03	5.55E-07	1.61E-07	1.90E-03	5.99E-07	1.74E-07	3.02E-03	9.54E-07	2.77E-07
2541	497614.44, 3858401.52	1.77E-03	5.59E-07	1.63E-07	1.91E-03	6.03E-07	1.76E-07	3.05E-03	9.61E-07	2.80E-07
2542	493478.11, 3860497.94	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.43E-07	2.45E-07	4.25E-03	1.34E-06	3.90E-07
2543	493528.11, 3860497.94	2.47E-03	7.78E-07	2.26E-07	2.66E-03	8.40E-07	2.44E-07	4.23E-03	1.34E-06	3.89E-07
2544	493478.11, 3860547.94	2.42E-03	7.64E-07	2.22E-07	2.61E-03	8.25E-07	2.40E-07	4.16E-03	1.31E-06	3.82E-07
2545	493528.11, 3860547.94	2.41E-03	7.62E-07	2.22E-07	2.61E-03	8.22E-07	2.39E-07	4.14E-03	1.31E-06	3.80E-07
2546	493478.11, 3860597.94	2.37E-03	7.48E-07	2.17E-07	2.56E-03	8.07E-07	2.35E-07	4.07E-03	1.28E-06	3.73E-07
2547	493528.11, 3860597.94	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.05E-07	2.34E-07	4.06E-03	1.28E-06	3.72E-07
2548	493561.88, 3860524.64	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
2549	493591.88, 3860524.64	2.43E-03	7.67E-07	2.23E-07	2.62E-03	8.28E-07	2.41E-07	4.18E-03	1.32E-06	3.83E-07
2550	493561.88, 3860554.64	2.40E-03	7.58E-07	2.21E-07	2.59E-03	8.19E-07	2.38E-07	4.13E-03	1.30E-06	3.79E-07
2551	493591.88, 3860554.64	2.40E-03	7.58E-07	2.20E-07	2.59E-03	8.18E-07	2.38E-07	4.12E-03	1.30E-06	3.79E-07
2552	492880.5, 3860293.11	2.77E-03	8.74E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2553	492930.5, 3860293.11	2.77E-03	8.73E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.74E-03	1.50E-06	4.36E-07
2554	492980.5, 3860293.11	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.74E-03	1.50E-06	4.35E-07
2555	493030.5, 3860293.11	2.77E-03	8.73E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2556	493080.5, 3860293.11	2.76E-03	8.73E-07	2.54E-07	2.99E-03	9.42E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
2557	493130.5, 3860293.11	2.75E-03	8.69E-07	2.53E-07	2.97E-03	9.38E-07	2.73E-07	4.73E-03	1.49E-06	4.34E-07
2558	493180.5, 3860293.11	2.74E-03	8.65E-07	2.52E-07	2.96E-03	9.34E-07	2.72E-07	4.71E-03	1.49E-06	4.32E-07

2559 493230.5, 3860293.11	2.73E-03	8.63E-07	2.51E-07	2.95E-03	9.31E-07	2.71E-07	4.69E-03	1.48E-06	4.31E-07
2560 493280.5, 3860293.11	2.73E-03	8.61E-07	2.50E-07	2.95E-03	9.30E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
2561 493330.5, 3860293.11	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.68E-03	1.48E-06	4.29E-07
2562 493380.5, 3860293.11	2.71E-03	8.57E-07	2.49E-07	2.93E-03	9.25E-07	2.69E-07	4.66E-03	1.47E-06	4.28E-07
2563 492880.5, 3860343.11	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.63E-03	1.46E-06	4.25E-07
2564 492930.5, 3860343.11	2.70E-03	8.52E-07	2.48E-07	2.91E-03	9.20E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2565 492980.5, 3860343.11	2.71E-03	8.55E-07	2.49E-07	2.92E-03	9.23E-07	2.68E-07	4.65E-03	1.47E-06	4.27E-07
2566 493030.5, 3860343.11	2.70E-03	8.53E-07	2.48E-07	2.92E-03	9.21E-07	2.68E-07	4.64E-03	1.46E-06	4.26E-07
2567 493080.5, 3860343.11	2.70E-03	8.54E-07	2.48E-07	2.92E-03	9.22E-07	2.68E-07	4.64E-03	1.47E-06	4.26E-07
2568 493130.5, 3860343.11	2.70E-03	8.51E-07	2.47E-07	2.91E-03	9.19E-07	2.67E-07	4.63E-03	1.46E-06	4.25E-07
2569 493180.5, 3860343.11	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.14E-07	2.66E-07	4.61E-03	1.45E-06	4.23E-07
2570 493230.5, 3860343.11	2.68E-03	8.44E-07	2.46E-07	2.89E-03	9.12E-07	2.65E-07	4.59E-03	1.45E-06	4.22E-07
2571 493280.5, 3860343.11	2.67E-03	8.43E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.59E-03	1.45E-06	4.21E-07
2572 493330.5, 3860343.11	2.67E-03	8.42E-07	2.45E-07	2.88E-03	9.09E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
2573 493380.5, 3860343.11	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.06E-07	2.64E-07	4.57E-03	1.44E-06	4.19E-07
2574 492880.5, 3860393.11	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2575 492930.5, 3860393.11	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2576 492980.5, 3860393.11	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.53E-03	1.43E-06	4.16E-07
2577 493030.5, 3860393.11	2.64E-03	8.33E-07	2.42E-07	2.85E-03	9.00E-07	2.62E-07	4.53E-03	1.43E-06	4.16E-07
2578 493080.5, 3860393.11	2.64E-03	8.35E-07	2.43E-07	2.86E-03	9.01E-07	2.62E-07	4.54E-03	1.43E-06	4.17E-07
2579 493130.5, 3860393.11	2.64E-03	8.32E-07	2.42E-07	2.85E-03	8.98E-07	2.61E-07	4.52E-03	1.43E-06	4.15E-07
2580 493180.5, 3860393.11	2.62E-03	8.28E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.50E-03	1.42E-06	4.13E-07
2581 493230.5, 3860393.11	2.62E-03	8.26E-07	2.40E-07	2.83E-03	8.92E-07	2.59E-07	4.49E-03	1.42E-06	4.13E-07
2582 493280.5, 3860393.11	2.62E-03	8.26E-07	2.40E-07	2.82E-03	8.92E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2583 493330.5, 3860393.11	2.61E-03	8.25E-07	2.40E-07	2.82E-03	8.90E-07	2.59E-07	4.49E-03	1.42E-06	4.12E-07
2584 493380.5, 3860393.11	2.61E-03	8.23E-07	2.39E-07	2.81E-03	8.88E-07	2.58E-07	4.48E-03	1.41E-06	4.11E-07
2585 492880.5, 3860443.11	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.41E-03	1.39E-06	4.05E-07
2586 492930.5, 3860443.11	2.57E-03	8.11E-07	2.36E-07	2.78E-03	8.76E-07	2.55E-07	4.41E-03	1.39E-06	4.05E-07
2587 492980.5, 3860443.11	2.57E-03	8.13E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.42E-03	1.39E-06	4.05E-07
2588 493030.5, 3860443.11	2.58E-03	8.13E-07	2.37E-07	2.78E-03	8.78E-07	2.55E-07	4.42E-03	1.40E-06	4.06E-07
2589 493080.5, 3860443.11	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.42E-03	1.39E-06	4.05E-07
2590 493130.5, 3860443.11	2.57E-03	8.11E-07	2.36E-07	2.78E-03	8.76E-07	2.55E-07	4.41E-03	1.39E-06	4.05E-07
2591 493180.5, 3860443.11	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.39E-03	1.39E-06	4.03E-07
2592 493230.5, 3860443.11	2.56E-03	8.08E-07	2.35E-07	2.77E-03	8.73E-07	2.54E-07	4.40E-03	1.39E-06	4.04E-07
2593 493280.5, 3860443.11	2.56E-03	8.08E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.39E-03	1.39E-06	4.03E-07
2594 493330.5, 3860443.11	2.56E-03	8.07E-07	2.35E-07	2.76E-03	8.72E-07	2.54E-07	4.39E-03	1.39E-06	4.03E-07
2595 493380.5, 3860443.11	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.69E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
2596 493180.5, 3860493.11	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2597 493230.5, 3860493.11	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2598 493280.5, 3860493.11	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.53E-07	2.48E-07	4.30E-03	1.36E-06	3.95E-07
2599 493330.5, 3860493.11	2.50E-03	7.89E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.29E-03	1.36E-06	3.94E-07
2600 493380.5, 3860493.11	2.49E-03	7.87E-07	2.29E-07	2.69E-03	8.50E-07	2.47E-07	4.28E-03	1.35E-06	3.93E-07
2601 493330.5, 3860543.11	2.45E-03	7.72E-07	2.25E-07	2.64E-03	8.34E-07	2.42E-07	4.20E-03	1.33E-06	3.86E-07
2602 493380.5, 3860543.11	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.31E-07	2.42E-07	4.19E-03	1.32E-06	3.85E-07
2603 494135.94, 3860876.85	2.06E-03	6.50E-07	1.89E-07	2.22E-03	7.02E-07	2.04E-07	3.54E-03	1.12E-06	3.25E-07
2604 494185.94, 3860876.85	2.05E-03	6.48E-07	1.89E-07	2.22E-03	7.00E-07	2.04E-07	3.53E-03	1.11E-06	3.24E-07
2605 494135.94, 3860926.85	2.02E-03	6.36E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
2606 494185.94, 3860926.85	2.01E-03	6.35E-07	1.85E-07	2.17E-03	6.86E-07	2.00E-07	3.46E-03	1.09E-06	3.18E-07
2607 494135.94, 3860976.85	1.98E-03	6.23E-07	1.81E-07	2.13E-03	6.73E-07	1.96E-07	3.39E-03	1.07E-06	3.12E-07
2608 494185.94, 3860976.85	1.97E-03	6.23E-07	1.81E-07	2.13E-03	6.72E-07	1.96E-07	3.39E-03	1.07E-06	3.11E-07
2609 494135.94, 3861026.85	1.93E-03	6.10E-07	1.78E-07	2.09E-03	6.59E-07	1.92E-07	3.32E-03	1.05E-06	3.05E-07
2610 494185.94, 3861026.85	1.93E-03	6.10E-07	1.77E-07	2.09E-03	6.59E-07	1.92E-07	3.32E-03	1.05E-06	3.05E-07
2611 494135.94, 3861076.85	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.25E-03	1.03E-06	2.99E-07
2612 494185.94, 3861076.85	1.89E-03	5.97E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.25E-03	1.03E-06	2.98E-07
2613 490360.04, 3858710.04	9.35E-03	2.95E-06	8.58E-07	1.01E-02	3.18E-06	9.25E-07	1.59E-02	5.01E-06	1.46E-06
2614 490410.04, 3858710.04	9.22E-03	2.91E-06	8.47E-07	9.94E-03	3.14E-06	9.13E-07	1.57E-02	4.94E-06	1.44E-06
2615 490460.04, 3858710.04	9.08E-03	2.87E-06	8.34E-07	9.80E-03	3.09E-06	8.99E-07	1.54E-02	4.88E-06	1.42E-06
2616 490510.04, 3858710.04	8.96E-03	2.83E-06	8.22E-07	9.66E-03	3.05E-06	8.87E-07	1.52E-02	4.81E-06	1.40E-06
2617 490560.04, 3858710.04	8.83E-03	2.79E-06	8.11E-07	9.53E-03	3.01E-06	8.75E-07	1.50E-02	4.75E-06	1.38E-06
2618 490610.04, 3858710.04	8.71E-03	2.75E-06	8.00E-07	9.39E-03	2.97E-06	8.62E-07	1.48E-02	4.69E-06	1.36E-06
2619 490660.04, 3858710.04	8.60E-03	2.71E-06	7.89E-07	9.28E-03	2.93E-06	8.52E-07	1.47E-02	4.63E-06	1.35E-06

2620 490710.04, 3858710.04	8.45E-03	2.67E-06	7.75E-07	9.11E-03	2.88E-06	8.37E-07	1.44E-02	4.55E-06	1.32E-06
2621 490760.04, 3858710.04	8.32E-03	2.63E-06	7.64E-07	8.98E-03	2.83E-06	8.24E-07	1.42E-02	4.49E-06	1.30E-06
2622 490810.04, 3858710.04	8.20E-03	2.59E-06	7.53E-07	8.85E-03	2.79E-06	8.12E-07	1.40E-02	4.42E-06	1.29E-06
2623 490860.04, 3858710.04	8.07E-03	2.55E-06	7.41E-07	8.71E-03	2.75E-06	8.00E-07	1.38E-02	4.36E-06	1.27E-06
2624 490360.04, 3858760.04	9.02E-03	2.85E-06	8.28E-07	9.72E-03	3.07E-06	8.92E-07	1.53E-02	4.82E-06	1.40E-06
2625 490410.04, 3858760.04	8.90E-03	2.81E-06	8.17E-07	9.59E-03	3.03E-06	8.81E-07	1.51E-02	4.77E-06	1.39E-06
2626 490460.04, 3858760.04	8.77E-03	2.77E-06	8.06E-07	9.46E-03	2.99E-06	8.69E-07	1.49E-02	4.70E-06	1.37E-06
2627 490510.04, 3858760.04	8.65E-03	2.73E-06	7.94E-07	9.33E-03	2.94E-06	8.56E-07	1.47E-02	4.64E-06	1.35E-06
2628 490560.04, 3858760.04	8.53E-03	2.69E-06	7.83E-07	9.20E-03	2.90E-06	8.45E-07	1.45E-02	4.58E-06	1.33E-06
2629 490610.04, 3858760.04	8.41E-03	2.66E-06	7.72E-07	9.07E-03	2.86E-06	8.33E-07	1.43E-02	4.53E-06	1.32E-06
2630 490660.04, 3858760.04	8.27E-03	2.61E-06	7.59E-07	8.92E-03	2.81E-06	8.19E-07	1.41E-02	4.45E-06	1.29E-06
2631 490710.04, 3858760.04	8.15E-03	2.57E-06	7.48E-07	8.79E-03	2.78E-06	8.07E-07	1.39E-02	4.39E-06	1.28E-06
2632 490760.04, 3858760.04	8.03E-03	2.53E-06	7.37E-07	8.66E-03	2.73E-06	7.95E-07	1.37E-02	4.33E-06	1.26E-06
2633 490810.04, 3858760.04	7.91E-03	2.50E-06	7.26E-07	8.53E-03	2.69E-06	7.83E-07	1.35E-02	4.27E-06	1.24E-06
2634 490860.04, 3858760.04	7.80E-03	2.46E-06	7.16E-07	8.41E-03	2.66E-06	7.72E-07	1.33E-02	4.21E-06	1.22E-06
2635 490360.04, 3858810.04	8.68E-03	2.74E-06	7.97E-07	9.36E-03	2.95E-06	8.59E-07	1.47E-02	4.64E-06	1.35E-06
2636 490410.04, 3858810.04	8.57E-03	2.70E-06	7.87E-07	9.24E-03	2.92E-06	8.48E-07	1.45E-02	4.59E-06	1.33E-06
2637 490460.04, 3858810.04	8.45E-03	2.67E-06	7.76E-07	9.12E-03	2.88E-06	8.37E-07	1.44E-02	4.53E-06	1.32E-06
2638 490510.04, 3858810.04	8.35E-03	2.63E-06	7.66E-07	9.00E-03	2.84E-06	8.26E-07	1.42E-02	4.48E-06	1.30E-06
2639 490560.04, 3858810.04	8.24E-03	2.60E-06	7.56E-07	8.88E-03	2.80E-06	8.15E-07	1.40E-02	4.42E-06	1.29E-06
2640 490610.04, 3858810.04	8.12E-03	2.56E-06	7.46E-07	8.76E-03	2.76E-06	8.04E-07	1.38E-02	4.37E-06	1.27E-06
2641 490660.04, 3858810.04	7.98E-03	2.52E-06	7.32E-07	8.60E-03	2.72E-06	7.90E-07	1.36E-02	4.29E-06	1.25E-06
2642 490710.04, 3858810.04	7.86E-03	2.48E-06	7.21E-07	8.48E-03	2.68E-06	7.78E-07	1.34E-02	4.23E-06	1.23E-06
2643 490760.04, 3858810.04	7.73E-03	2.44E-06	7.10E-07	8.34E-03	2.63E-06	7.66E-07	1.32E-02	4.17E-06	1.21E-06
2644 490810.04, 3858810.04	7.64E-03	2.41E-06	7.01E-07	8.24E-03	2.60E-06	7.56E-07	1.30E-02	4.12E-06	1.20E-06
2645 490860.04, 3858810.04	7.52E-03	2.37E-06	6.90E-07	8.11E-03	2.56E-06	7.45E-07	1.29E-02	4.06E-06	1.18E-06
2646 490360.04, 3858860.04	8.34E-03	2.63E-06	7.66E-07	8.99E-03	2.84E-06	8.25E-07	1.41E-02	4.46E-06	1.30E-06
2647 490410.04, 3858860.04	8.25E-03	2.60E-06	7.57E-07	8.89E-03	2.81E-06	8.16E-07	1.40E-02	4.41E-06	1.28E-06
2648 490460.04, 3858860.04	8.14E-03	2.57E-06	7.47E-07	8.77E-03	2.77E-06	8.05E-07	1.38E-02	4.36E-06	1.27E-06
2649 490510.04, 3858860.04	8.04E-03	2.54E-06	7.38E-07	8.67E-03	2.74E-06	7.96E-07	1.37E-02	4.31E-06	1.25E-06
2650 490560.04, 3858860.04	7.94E-03	2.51E-06	7.29E-07	8.56E-03	2.70E-06	7.86E-07	1.35E-02	4.26E-06	1.24E-06
2651 490610.04, 3858860.04	7.79E-03	2.46E-06	7.15E-07	8.40E-03	2.65E-06	7.71E-07	1.33E-02	4.18E-06	1.22E-06
2652 490660.04, 3858860.04	7.68E-03	2.42E-06	7.05E-07	8.29E-03	2.62E-06	7.61E-07	1.31E-02	4.13E-06	1.20E-06
2653 490710.04, 3858860.04	7.59E-03	2.39E-06	6.97E-07	8.19E-03	2.58E-06	7.51E-07	1.29E-02	4.08E-06	1.19E-06
2654 490760.04, 3858860.04	7.47E-03	2.36E-06	6.86E-07	8.06E-03	2.54E-06	7.40E-07	1.27E-02	4.02E-06	1.17E-06
2655 490810.04, 3858860.04	7.35E-03	2.32E-06	6.75E-07	7.93E-03	2.50E-06	7.28E-07	1.26E-02	3.96E-06	1.15E-06
2656 490860.04, 3858860.04	7.23E-03	2.28E-06	6.64E-07	7.80E-03	2.46E-06	7.16E-07	1.24E-02	3.90E-06	1.14E-06
2657 490360.04, 3858910.04	8.02E-03	2.53E-06	7.36E-07	8.64E-03	2.73E-06	7.93E-07	1.36E-02	4.28E-06	1.25E-06
2658 490410.04, 3858910.04	7.93E-03	2.50E-06	7.28E-07	8.55E-03	2.70E-06	7.85E-07	1.34E-02	4.24E-06	1.23E-06
2659 490460.04, 3858910.04	7.83E-03	2.47E-06	7.19E-07	8.45E-03	2.67E-06	7.75E-07	1.33E-02	4.20E-06	1.22E-06
2660 490510.04, 3858910.04	7.74E-03	2.44E-06	7.10E-07	8.34E-03	2.63E-06	7.66E-07	1.31E-02	4.15E-06	1.21E-06
2661 490560.04, 3858910.04	7.64E-03	2.41E-06	7.01E-07	8.24E-03	2.60E-06	7.56E-07	1.30E-02	4.10E-06	1.19E-06
2662 490610.04, 3858910.04	7.50E-03	2.37E-06	6.88E-07	8.09E-03	2.55E-06	7.42E-07	1.28E-02	4.03E-06	1.17E-06
2663 490660.04, 3858910.04	7.40E-03	2.33E-06	6.79E-07	7.98E-03	2.52E-06	7.33E-07	1.26E-02	3.98E-06	1.16E-06
2664 490710.04, 3858910.04	7.29E-03	2.30E-06	6.69E-07	7.86E-03	2.48E-06	7.22E-07	1.24E-02	3.92E-06	1.14E-06
2665 490760.04, 3858910.04	7.17E-03	2.26E-06	6.58E-07	7.74E-03	2.44E-06	7.10E-07	1.22E-02	3.86E-06	1.12E-06
2666 490810.04, 3858910.04	7.07E-03	2.23E-06	6.49E-07	7.63E-03	2.41E-06	7.00E-07	1.21E-02	3.81E-06	1.11E-06
2667 490860.04, 3858910.04	6.95E-03	2.19E-06	6.38E-07	7.50E-03	2.37E-06	6.88E-07	1.19E-02	3.75E-06	1.09E-06
2668 490360.04, 3858960.04	7.70E-03	2.43E-06	7.06E-07	8.29E-03	2.62E-06	7.61E-07	1.30E-02	4.11E-06	1.20E-06
2669 490410.04, 3858960.04	7.61E-03	2.40E-06	6.99E-07	8.20E-03	2.59E-06	7.53E-07	1.29E-02	4.07E-06	1.18E-06
2670 490460.04, 3858960.04	7.52E-03	2.37E-06	6.90E-07	8.11E-03	2.56E-06	7.44E-07	1.28E-02	4.03E-06	1.17E-06
2671 490510.04, 3858960.04	7.43E-03	2.35E-06	6.82E-07	8.01E-03	2.53E-06	7.36E-07	1.26E-02	3.99E-06	1.16E-06
2672 490560.04, 3858960.04	7.31E-03	2.31E-06	6.71E-07	7.88E-03	2.49E-06	7.23E-07	1.24E-02	3.92E-06	1.14E-06
2673 490610.04, 3858960.04	7.20E-03	2.27E-06	6.61E-07	7.76E-03	2.45E-06	7.13E-07	1.23E-02	3.87E-06	1.12E-06
2674 490660.04, 3858960.04	7.12E-03	2.25E-06	6.53E-07	7.68E-03	2.42E-06	7.05E-07	1.21E-02	3.83E-06	1.11E-06
2675 490710.04, 3858960.04	7.01E-03	2.21E-06	6.43E-07	7.56E-03	2.39E-06	6.94E-07	1.20E-02	3.77E-06	1.10E-06
2676 490760.04, 3858960.04	6.90E-03	2.18E-06	6.33E-07	7.44E-03	2.35E-06	6.83E-07	1.18E-02	3.72E-06	1.08E-06
2677 490810.04, 3858960.04	6.79E-03	2.14E-06	6.23E-07	7.33E-03	2.31E-06	6.73E-07	1.16E-02	3.66E-06	1.07E-06
2678 490860.04, 3858960.04	6.66E-03	2.10E-06	6.12E-07	7.19E-03	2.27E-06	6.60E-07	1.14E-02	3.60E-06	1.05E-06
2679 490360.04, 3859010.04	7.38E-03	2.33E-06	6.78E-07	7.96E-03	2.51E-06	7.30E-07	1.25E-02	3.94E-06	1.15E-06
2680 490410.04, 3859010.04	7.30E-03	2.30E-06	6.70E-07	7.87E-03	2.48E-06	7.22E-07	1.24E-02	3.91E-06	1.14E-06

2681	490460.04, 3859010.04	7.21E-03	2.28E-06	6.62E-07	7.78E-03	2.45E-06	7.14E-07	1.22E-02	3.87E-06	1.12E-06
2682	490510.04, 3859010.04	7.08E-03	2.23E-06	6.50E-07	7.64E-03	2.41E-06	7.01E-07	1.20E-02	3.80E-06	1.10E-06
2683	490560.04, 3859010.04	7.00E-03	2.21E-06	6.43E-07	7.55E-03	2.38E-06	6.93E-07	1.19E-02	3.76E-06	1.09E-06
2684	490610.04, 3859010.04	6.90E-03	2.18E-06	6.34E-07	7.44E-03	2.35E-06	6.83E-07	1.18E-02	3.71E-06	1.08E-06
2685	490660.04, 3859010.04	6.83E-03	2.16E-06	6.27E-07	7.37E-03	2.33E-06	6.77E-07	1.16E-02	3.67E-06	1.07E-06
2686	490710.04, 3859010.04	6.72E-03	2.12E-06	6.17E-07	7.25E-03	2.29E-06	6.66E-07	1.15E-02	3.62E-06	1.05E-06
2687	490760.04, 3859010.04	6.62E-03	2.09E-06	6.07E-07	7.14E-03	2.25E-06	6.55E-07	1.13E-02	3.57E-06	1.04E-06
2688	490810.04, 3859010.04	6.50E-03	2.05E-06	5.97E-07	7.02E-03	2.22E-06	6.44E-07	1.11E-02	3.51E-06	1.02E-06
2689	490860.04, 3859010.04	6.40E-03	2.02E-06	5.87E-07	6.90E-03	2.18E-06	6.34E-07	1.10E-02	3.46E-06	1.01E-06
2690	490360.04, 3859060.04	7.07E-03	2.23E-06	6.49E-07	7.62E-03	2.41E-06	7.00E-07	1.20E-02	3.78E-06	1.10E-06
2691	490410.04, 3859060.04	6.99E-03	2.21E-06	6.42E-07	7.54E-03	2.38E-06	6.92E-07	1.19E-02	3.74E-06	1.09E-06
2692	490460.04, 3859060.04	6.91E-03	2.18E-06	6.35E-07	7.45E-03	2.35E-06	6.84E-07	1.17E-02	3.71E-06	1.08E-06
2693	490510.04, 3859060.04	6.79E-03	2.14E-06	6.24E-07	7.32E-03	2.31E-06	6.72E-07	1.15E-02	3.64E-06	1.06E-06
2694	490560.04, 3859060.04	6.69E-03	2.11E-06	6.15E-07	7.22E-03	2.28E-06	6.63E-07	1.14E-02	3.60E-06	1.05E-06
2695	490610.04, 3859060.04	6.62E-03	2.09E-06	6.08E-07	7.14E-03	2.25E-06	6.55E-07	1.13E-02	3.56E-06	1.03E-06
2696	490660.04, 3859060.04	6.54E-03	2.06E-06	6.01E-07	7.06E-03	2.23E-06	6.48E-07	1.12E-02	3.52E-06	1.02E-06
2697	490710.04, 3859060.04	6.43E-03	2.03E-06	5.91E-07	6.94E-03	2.19E-06	6.37E-07	1.10E-02	3.47E-06	1.01E-06
2698	490760.04, 3859060.04	6.33E-03	2.00E-06	5.81E-07	6.83E-03	2.16E-06	6.27E-07	1.08E-02	3.41E-06	9.93E-07
2699	490810.04, 3859060.04	6.22E-03	1.96E-06	5.71E-07	6.71E-03	2.12E-06	6.16E-07	1.06E-02	3.36E-06	9.77E-07
2700	490860.04, 3859060.04	6.11E-03	1.93E-06	5.61E-07	6.60E-03	2.08E-06	6.06E-07	1.05E-02	3.30E-06	9.61E-07
2701	490360.04, 3859110.04	6.78E-03	2.14E-06	6.23E-07	7.31E-03	2.31E-06	6.71E-07	1.15E-02	3.63E-06	1.05E-06
2702	490410.04, 3859110.04	6.71E-03	2.12E-06	6.16E-07	7.23E-03	2.28E-06	6.64E-07	1.14E-02	3.59E-06	1.05E-06
2703	490460.04, 3859110.04	6.64E-03	2.10E-06	6.10E-07	7.16E-03	2.26E-06	6.58E-07	1.13E-02	3.56E-06	1.04E-06
2704	490510.04, 3859110.04	6.50E-03	2.05E-06	5.97E-07	7.01E-03	2.21E-06	6.43E-07	1.11E-02	3.49E-06	1.01E-06
2705	490560.04, 3859110.04	6.42E-03	2.02E-06	5.89E-07	6.92E-03	2.18E-06	6.35E-07	1.09E-02	3.45E-06	1.00E-06
2706	490610.04, 3859110.04	6.32E-03	2.00E-06	5.80E-07	6.82E-03	2.15E-06	6.26E-07	1.08E-02	3.40E-06	9.89E-07
2707	490660.04, 3859110.04	6.22E-03	1.96E-06	5.71E-07	6.71E-03	2.12E-06	6.16E-07	1.06E-02	3.35E-06	9.74E-07
2708	490710.04, 3859110.04	6.14E-03	1.94E-06	5.64E-07	6.62E-03	2.09E-06	6.08E-07	1.05E-02	3.31E-06	9.63E-07
2709	490760.04, 3859110.04	6.04E-03	1.91E-06	5.55E-07	6.52E-03	2.06E-06	5.99E-07	1.03E-02	3.26E-06	9.49E-07
2710	490810.04, 3859110.04	5.93E-03	1.87E-06	5.44E-07	6.40E-03	2.02E-06	5.87E-07	1.02E-02	3.20E-06	9.32E-07
2711	490860.04, 3859110.04	5.81E-03	1.83E-06	5.34E-07	6.27E-03	1.98E-06	5.76E-07	9.96E-03	3.14E-06	9.14E-07
2712	490360.04, 3859160.04	6.51E-03	2.05E-06	5.97E-07	7.01E-03	2.21E-06	6.44E-07	1.10E-02	3.48E-06	1.01E-06
2713	490410.04, 3859160.04	6.44E-03	2.03E-06	5.91E-07	6.95E-03	2.19E-06	6.38E-07	1.09E-02	3.45E-06	1.00E-06
2714	490460.04, 3859160.04	6.38E-03	2.01E-06	5.85E-07	6.88E-03	2.17E-06	6.31E-07	1.08E-02	3.42E-06	9.96E-07
2715	490510.04, 3859160.04	6.26E-03	1.98E-06	5.75E-07	6.76E-03	2.13E-06	6.20E-07	1.07E-02	3.36E-06	9.78E-07
2716	490560.04, 3859160.04	6.16E-03	1.95E-06	5.66E-07	6.65E-03	2.10E-06	6.10E-07	1.05E-02	3.31E-06	9.64E-07
2717	490610.04, 3859160.04	6.09E-03	1.92E-06	5.59E-07	6.57E-03	2.07E-06	6.03E-07	1.04E-02	3.28E-06	9.53E-07
2718	490660.04, 3859160.04	5.94E-03	1.87E-06	5.45E-07	6.41E-03	2.02E-06	5.88E-07	1.01E-02	3.20E-06	9.31E-07
2719	490710.04, 3859160.04	5.86E-03	1.85E-06	5.38E-07	6.32E-03	2.00E-06	5.80E-07	1.00E-02	3.16E-06	9.20E-07
2720	490760.04, 3859160.04	5.73E-03	1.81E-06	5.26E-07	6.18E-03	1.95E-06	5.67E-07	9.81E-03	3.09E-06	9.00E-07
2721	490810.04, 3859160.04	5.64E-03	1.78E-06	5.18E-07	6.09E-03	1.92E-06	5.59E-07	9.67E-03	3.05E-06	8.87E-07
2722	490860.04, 3859160.04	5.55E-03	1.75E-06	5.09E-07	5.99E-03	1.89E-06	5.50E-07	9.51E-03	3.00E-06	8.73E-07
2723	490360.04, 3859210.04	6.24E-03	1.97E-06	5.73E-07	6.73E-03	2.12E-06	6.17E-07	1.06E-02	3.34E-06	9.71E-07
2724	490410.04, 3859210.04	6.20E-03	1.96E-06	5.69E-07	6.68E-03	2.11E-06	6.13E-07	1.05E-02	3.32E-06	9.65E-07
2725	490460.04, 3859210.04	6.12E-03	1.93E-06	5.62E-07	6.61E-03	2.08E-06	6.06E-07	1.04E-02	3.29E-06	9.57E-07
2726	490510.04, 3859210.04	6.02E-03	1.90E-06	5.52E-07	6.49E-03	2.05E-06	5.96E-07	1.02E-02	3.23E-06	9.40E-07
2727	490560.04, 3859210.04	5.95E-03	1.88E-06	5.46E-07	6.42E-03	2.03E-06	5.89E-07	1.01E-02	3.20E-06	9.31E-07
2728	490610.04, 3859210.04	5.87E-03	1.85E-06	5.39E-07	6.33E-03	2.00E-06	5.81E-07	1.00E-02	3.16E-06	9.18E-07
2729	490660.04, 3859210.04	5.74E-03	1.81E-06	5.27E-07	6.19E-03	1.96E-06	5.69E-07	9.81E-03	3.10E-06	9.00E-07
2730	490710.04, 3859210.04	5.65E-03	1.78E-06	5.19E-07	6.10E-03	1.93E-06	5.60E-07	9.67E-03	3.05E-06	8.88E-07
2731	490760.04, 3859210.04	5.52E-03	1.74E-06	5.07E-07	5.96E-03	1.88E-06	5.47E-07	9.45E-03	2.98E-06	8.68E-07
2732	490810.04, 3859210.04	5.48E-03	1.73E-06	5.03E-07	5.92E-03	1.87E-06	5.43E-07	9.39E-03	2.96E-06	8.62E-07
2733	490860.04, 3859210.04	5.44E-03	1.72E-06	4.99E-07	5.87E-03	1.85E-06	5.39E-07	9.32E-03	2.94E-06	8.56E-07
2734	490360.04, 3859260.04	5.98E-03	1.89E-06	5.49E-07	6.45E-03	2.03E-06	5.92E-07	1.01E-02	3.20E-06	9.31E-07
2735	490410.04, 3859260.04	5.94E-03	1.87E-06	5.45E-07	6.40E-03	2.02E-06	5.88E-07	1.01E-02	3.18E-06	9.26E-07
2736	490460.04, 3859260.04	5.90E-03	1.86E-06	5.42E-07	6.36E-03	2.01E-06	5.84E-07	1.00E-02	3.17E-06	9.21E-07
2737	490510.04, 3859260.04	5.86E-03	1.85E-06	5.38E-07	6.32E-03	1.99E-06	5.80E-07	9.97E-03	3.15E-06	9.16E-07
2738	490560.04, 3859260.04	5.77E-03	1.82E-06	5.30E-07	6.22E-03	1.96E-06	5.71E-07	9.82E-03	3.10E-06	9.01E-07
2739	490610.04, 3859260.04	5.67E-03	1.79E-06	5.21E-07	6.12E-03	1.93E-06	5.62E-07	9.67E-03	3.05E-06	8.88E-07
2740	490660.04, 3859260.04	5.63E-03	1.78E-06	5.17E-07	6.08E-03	1.92E-06	5.58E-07	9.61E-03	3.03E-06	8.82E-07
2741	490710.04, 3859260.04	5.57E-03	1.76E-06	5.11E-07	6.01E-03	1.90E-06	5.52E-07	9.51E-03	3.00E-06	8.73E-07

2742	490760.04, 3859260.04	5.45E-03	1.72E-06	5.01E-07	5.89E-03	1.86E-06	5.40E-07	9.33E-03	2.94E-06	8.56E-07
2743	490810.04, 3859260.04	5.41E-03	1.71E-06	4.96E-07	5.83E-03	1.84E-06	5.36E-07	9.25E-03	2.92E-06	8.49E-07
2744	490860.04, 3859260.04	5.36E-03	1.69E-06	4.92E-07	5.78E-03	1.82E-06	5.31E-07	9.17E-03	2.89E-06	8.42E-07
2745	490360.04, 3859310.04	5.74E-03	1.81E-06	5.27E-07	6.18E-03	1.95E-06	5.68E-07	9.73E-03	3.07E-06	8.93E-07
2746	490410.04, 3859310.04	5.71E-03	1.80E-06	5.24E-07	6.15E-03	1.94E-06	5.65E-07	9.69E-03	3.06E-06	8.90E-07
2747	490460.04, 3859310.04	5.68E-03	1.79E-06	5.21E-07	6.12E-03	1.93E-06	5.62E-07	9.65E-03	3.05E-06	8.86E-07
2748	490510.04, 3859310.04	5.64E-03	1.78E-06	5.18E-07	6.09E-03	1.92E-06	5.59E-07	9.60E-03	3.03E-06	8.82E-07
2749	490560.04, 3859310.04	5.61E-03	1.77E-06	5.15E-07	6.05E-03	1.91E-06	5.55E-07	9.55E-03	3.02E-06	8.77E-07
2750	490610.04, 3859310.04	5.58E-03	1.76E-06	5.12E-07	6.02E-03	1.90E-06	5.52E-07	9.50E-03	3.00E-06	8.73E-07
2751	490660.04, 3859310.04	5.50E-03	1.74E-06	5.05E-07	5.93E-03	1.87E-06	5.45E-07	9.37E-03	2.96E-06	8.60E-07
2752	490710.04, 3859310.04	5.41E-03	1.71E-06	4.97E-07	5.84E-03	1.84E-06	5.36E-07	9.24E-03	2.92E-06	8.48E-07
2753	490760.04, 3859310.04	5.35E-03	1.69E-06	4.91E-07	5.77E-03	1.82E-06	5.30E-07	9.14E-03	2.88E-06	8.39E-07
2754	490810.04, 3859310.04	5.30E-03	1.67E-06	4.87E-07	5.72E-03	1.81E-06	5.25E-07	9.07E-03	2.86E-06	8.32E-07
2755	490860.04, 3859310.04	5.24E-03	1.65E-06	4.81E-07	5.66E-03	1.78E-06	5.19E-07	8.96E-03	2.83E-06	8.23E-07
2756	490360.04, 3859360.04	5.50E-03	1.74E-06	5.05E-07	5.93E-03	1.87E-06	5.44E-07	9.32E-03	2.94E-06	8.56E-07
2757	490410.04, 3859360.04	5.48E-03	1.73E-06	5.03E-07	5.91E-03	1.87E-06	5.43E-07	9.30E-03	2.94E-06	8.54E-07
2758	490460.04, 3859360.04	5.46E-03	1.72E-06	5.02E-07	5.89E-03	1.86E-06	5.41E-07	9.28E-03	2.93E-06	8.52E-07
2759	490510.04, 3859360.04	5.44E-03	1.72E-06	5.00E-07	5.87E-03	1.85E-06	5.39E-07	9.25E-03	2.92E-06	8.49E-07
2760	490560.04, 3859360.04	5.41E-03	1.71E-06	4.97E-07	5.84E-03	1.84E-06	5.36E-07	9.21E-03	2.91E-06	8.46E-07
2761	490610.04, 3859360.04	5.38E-03	1.70E-06	4.94E-07	5.80E-03	1.83E-06	5.33E-07	9.16E-03	2.89E-06	8.41E-07
2762	490660.04, 3859360.04	5.35E-03	1.69E-06	4.91E-07	5.77E-03	1.82E-06	5.30E-07	9.12E-03	2.88E-06	8.37E-07
2763	490710.04, 3859360.04	5.27E-03	1.66E-06	4.84E-07	5.69E-03	1.79E-06	5.22E-07	8.99E-03	2.84E-06	8.25E-07
2764	490760.04, 3859360.04	5.21E-03	1.64E-06	4.78E-07	5.62E-03	1.77E-06	5.16E-07	8.89E-03	2.81E-06	8.16E-07
2765	490810.04, 3859360.04	5.18E-03	1.64E-06	4.76E-07	5.59E-03	1.76E-06	5.13E-07	8.85E-03	2.79E-06	8.12E-07
2766	490860.04, 3859360.04	5.13E-03	1.62E-06	4.71E-07	5.54E-03	1.75E-06	5.09E-07	8.77E-03	2.77E-06	8.05E-07
2767	490360.04, 3859410.04	5.26E-03	1.66E-06	4.83E-07	5.67E-03	1.79E-06	5.21E-07	8.92E-03	2.81E-06	8.19E-07
2768	490410.04, 3859410.04	5.25E-03	1.66E-06	4.82E-07	5.66E-03	1.79E-06	5.20E-07	8.91E-03	2.81E-06	8.18E-07
2769	490460.04, 3859410.04	5.24E-03	1.66E-06	4.81E-07	5.65E-03	1.78E-06	5.19E-07	8.90E-03	2.81E-06	8.17E-07
2770	490510.04, 3859410.04	5.23E-03	1.65E-06	4.80E-07	5.64E-03	1.78E-06	5.18E-07	8.89E-03	2.81E-06	8.16E-07
2771	490560.04, 3859410.04	5.22E-03	1.65E-06	4.79E-07	5.62E-03	1.78E-06	5.16E-07	8.87E-03	2.80E-06	8.14E-07
2772	490610.04, 3859410.04	5.20E-03	1.64E-06	4.77E-07	5.60E-03	1.77E-06	5.14E-07	8.84E-03	2.79E-06	8.12E-07
2773	490660.04, 3859410.04	5.17E-03	1.63E-06	4.74E-07	5.57E-03	1.76E-06	5.12E-07	8.80E-03	2.78E-06	8.08E-07
2774	490710.04, 3859410.04	5.14E-03	1.62E-06	4.72E-07	5.54E-03	1.75E-06	5.09E-07	8.76E-03	2.77E-06	8.04E-07
2775	490760.04, 3859410.04	5.07E-03	1.60E-06	4.65E-07	5.47E-03	1.73E-06	5.02E-07	8.64E-03	2.73E-06	7.93E-07
2776	490810.04, 3859410.04	5.04E-03	1.59E-06	4.63E-07	5.44E-03	1.72E-06	4.99E-07	8.60E-03	2.71E-06	7.89E-07
2777	490860.04, 3859410.04	5.02E-03	1.58E-06	4.61E-07	5.42E-03	1.71E-06	4.97E-07	8.57E-03	2.70E-06	7.86E-07
2778	490360.04, 3859460.04	5.03E-03	1.59E-06	4.62E-07	5.42E-03	1.71E-06	4.98E-07	8.52E-03	2.69E-06	7.83E-07
2779	490410.04, 3859460.04	5.03E-03	1.59E-06	4.62E-07	5.43E-03	1.71E-06	4.98E-07	8.53E-03	2.69E-06	7.83E-07
2780	490460.04, 3859460.04	5.03E-03	1.59E-06	4.62E-07	5.42E-03	1.71E-06	4.98E-07	8.53E-03	2.69E-06	7.83E-07
2781	490510.04, 3859460.04	5.02E-03	1.59E-06	4.61E-07	5.42E-03	1.71E-06	4.97E-07	8.53E-03	2.69E-06	7.83E-07
2782	490560.04, 3859460.04	5.01E-03	1.58E-06	4.60E-07	5.41E-03	1.71E-06	4.96E-07	8.52E-03	2.69E-06	7.82E-07
2783	490610.04, 3859460.04	5.00E-03	1.58E-06	4.59E-07	5.40E-03	1.70E-06	4.95E-07	8.51E-03	2.69E-06	7.81E-07
2784	490660.04, 3859460.04	4.99E-03	1.57E-06	4.58E-07	5.38E-03	1.70E-06	4.94E-07	8.49E-03	2.68E-06	7.80E-07
2785	490710.04, 3859460.04	4.97E-03	1.57E-06	4.56E-07	5.36E-03	1.69E-06	4.92E-07	8.47E-03	2.67E-06	7.77E-07
2786	490760.04, 3859460.04	4.94E-03	1.56E-06	4.54E-07	5.33E-03	1.68E-06	4.90E-07	8.43E-03	2.66E-06	7.74E-07
2787	490810.04, 3859460.04	4.92E-03	1.55E-06	4.52E-07	5.31E-03	1.67E-06	4.87E-07	8.40E-03	2.65E-06	7.71E-07
2788	490860.04, 3859460.04	4.90E-03	1.55E-06	4.50E-07	5.29E-03	1.67E-06	4.85E-07	8.37E-03	2.64E-06	7.68E-07
2789	490360.04, 3859510.04	4.81E-03	1.52E-06	4.42E-07	5.18E-03	1.64E-06	4.76E-07	8.14E-03	2.57E-06	7.48E-07
2790	490410.04, 3859510.04	4.81E-03	1.52E-06	4.42E-07	5.19E-03	1.64E-06	4.76E-07	8.16E-03	2.57E-06	7.49E-07
2791	490460.04, 3859510.04	4.82E-03	1.52E-06	4.42E-07	5.19E-03	1.64E-06	4.77E-07	8.17E-03	2.58E-06	7.50E-07
2792	490510.04, 3859510.04	4.82E-03	1.52E-06	4.42E-07	5.20E-03	1.64E-06	4.77E-07	8.18E-03	2.58E-06	7.51E-07
2793	490560.04, 3859510.04	4.82E-03	1.52E-06	4.42E-07	5.19E-03	1.64E-06	4.77E-07	8.18E-03	2.58E-06	7.51E-07
2794	490610.04, 3859510.04	4.81E-03	1.52E-06	4.42E-07	5.19E-03	1.64E-06	4.76E-07	8.18E-03	2.58E-06	7.51E-07
2795	490660.04, 3859510.04	4.80E-03	1.52E-06	4.41E-07	5.18E-03	1.64E-06	4.76E-07	8.17E-03	2.58E-06	7.50E-07
2796	490710.04, 3859510.04	4.79E-03	1.51E-06	4.40E-07	5.17E-03	1.63E-06	4.75E-07	8.16E-03	2.58E-06	7.49E-07
2797	490760.04, 3859510.04	4.78E-03	1.51E-06	4.39E-07	5.15E-03	1.63E-06	4.73E-07	8.14E-03	2.57E-06	7.48E-07
2798	490810.04, 3859510.04	4.76E-03	1.50E-06	4.37E-07	5.14E-03	1.62E-06	4.72E-07	8.12E-03	2.56E-06	7.46E-07
2799	490860.04, 3859510.04	4.74E-03	1.50E-06	4.35E-07	5.12E-03	1.62E-06	4.70E-07	8.09E-03	2.55E-06	7.43E-07
2800	490360.04, 3859560.04	4.59E-03	1.45E-06	4.21E-07	4.95E-03	1.56E-06	4.54E-07	7.77E-03	2.45E-06	7.13E-07
2801	490410.04, 3859560.04	4.60E-03	1.45E-06	4.22E-07	4.96E-03	1.57E-06	4.55E-07	7.79E-03	2.46E-06	7.16E-07
2802	490460.04, 3859560.04	4.61E-03	1.46E-06	4.23E-07	4.97E-03	1.57E-06	4.56E-07	7.82E-03	2.47E-06	7.18E-07

2803 490510.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.84E-03	2.47E-06	7.19E-07
2804 490560.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.85E-03	2.48E-06	7.20E-07
2805 490610.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.58E-07	7.85E-03	2.48E-06	7.21E-07
2806 490660.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.86E-03	2.48E-06	7.21E-07
2807 490710.04, 3859560.04	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.86E-03	2.48E-06	7.21E-07
2808 490760.04, 3859560.04	4.61E-03	1.45E-06	4.23E-07	4.97E-03	1.57E-06	4.56E-07	7.85E-03	2.48E-06	7.21E-07
2809 490810.04, 3859560.04	4.60E-03	1.45E-06	4.22E-07	4.96E-03	1.57E-06	4.55E-07	7.84E-03	2.47E-06	7.20E-07
2810 490860.04, 3859560.04	4.58E-03	1.45E-06	4.21E-07	4.94E-03	1.56E-06	4.54E-07	7.82E-03	2.47E-06	7.18E-07
2811 490187.25, 3859422.08	5.20E-03	1.64E-06	4.78E-07	5.61E-03	1.77E-06	5.15E-07	8.79E-03	2.77E-06	8.07E-07
2812 490237.25, 3859422.08	5.21E-03	1.64E-06	4.78E-07	5.61E-03	1.77E-06	5.15E-07	8.80E-03	2.78E-06	8.08E-07
2813 490287.25, 3859422.08	5.21E-03	1.64E-06	4.78E-07	5.61E-03	1.77E-06	5.15E-07	8.81E-03	2.78E-06	8.09E-07
2814 490337.25, 3859422.08	5.21E-03	1.64E-06	4.78E-07	5.61E-03	1.77E-06	5.15E-07	8.82E-03	2.78E-06	8.10E-07
2815 490187.25, 3859472.08	4.96E-03	1.56E-06	4.55E-07	5.34E-03	1.69E-06	4.90E-07	8.37E-03	2.64E-06	7.68E-07
2816 490237.25, 3859472.08	4.96E-03	1.57E-06	4.56E-07	5.35E-03	1.69E-06	4.91E-07	8.39E-03	2.65E-06	7.70E-07
2817 490287.25, 3859472.08	4.98E-03	1.57E-06	4.57E-07	5.36E-03	1.69E-06	4.92E-07	8.42E-03	2.66E-06	7.73E-07
2818 490337.25, 3859472.08	4.98E-03	1.57E-06	4.57E-07	5.37E-03	1.69E-06	4.93E-07	8.43E-03	2.66E-06	7.74E-07
2819 490297.07, 3859500.42	4.85E-03	1.53E-06	4.45E-07	5.22E-03	1.65E-06	4.79E-07	8.20E-03	2.59E-06	7.52E-07
2820 490327.07, 3859500.42	4.85E-03	1.53E-06	4.45E-07	5.22E-03	1.65E-06	4.80E-07	8.20E-03	2.59E-06	7.53E-07
2821 490297.07, 3859530.42	4.70E-03	1.48E-06	4.32E-07	5.07E-03	1.60E-06	4.65E-07	7.96E-03	2.51E-06	7.30E-07
2822 490327.07, 3859530.42	4.71E-03	1.49E-06	4.33E-07	5.08E-03	1.60E-06	4.66E-07	7.97E-03	2.52E-06	7.32E-07
2823 490319.73, 3859055.34	7.16E-03	2.26E-06	6.57E-07	7.72E-03	2.44E-06	7.08E-07	1.21E-02	3.82E-06	1.11E-06
2824 490319.73, 3859105.34	6.86E-03	2.17E-06	6.30E-07	7.39E-03	2.33E-06	6.79E-07	1.16E-02	3.66E-06	1.07E-06
2825 490069.73, 3859155.34	6.77E-03	2.14E-06	6.21E-07	7.29E-03	2.30E-06	6.69E-07	1.14E-02	3.59E-06	1.05E-06
2826 490119.73, 3859155.34	6.73E-03	2.13E-06	6.18E-07	7.25E-03	2.29E-06	6.66E-07	1.13E-02	3.58E-06	1.04E-06
2827 490269.73, 3859155.34	6.62E-03	2.09E-06	6.07E-07	7.13E-03	2.25E-06	6.55E-07	1.12E-02	3.53E-06	1.03E-06
2828 490319.73, 3859155.34	6.57E-03	2.07E-06	6.04E-07	7.09E-03	2.24E-06	6.50E-07	1.11E-02	3.51E-06	1.02E-06
2829 490069.73, 3859205.34	6.44E-03	2.03E-06	5.91E-07	6.94E-03	2.19E-06	6.37E-07	1.08E-02	3.42E-06	9.95E-07
2830 490119.73, 3859205.34	6.41E-03	2.02E-06	5.89E-07	6.91E-03	2.18E-06	6.34E-07	1.08E-02	3.41E-06	9.91E-07
2831 490169.73, 3859205.34	6.39E-03	2.02E-06	5.86E-07	6.88E-03	2.17E-06	6.31E-07	1.08E-02	3.40E-06	9.88E-07
2832 490219.73, 3859205.34	6.36E-03	2.01E-06	5.84E-07	6.85E-03	2.16E-06	6.29E-07	1.07E-02	3.39E-06	9.86E-07
2833 490269.73, 3859205.34	6.33E-03	2.00E-06	5.81E-07	6.82E-03	2.15E-06	6.26E-07	1.07E-02	3.38E-06	9.83E-07
2834 490319.73, 3859205.34	6.30E-03	1.99E-06	5.78E-07	6.79E-03	2.14E-06	6.23E-07	1.07E-02	3.36E-06	9.79E-07
2835 490069.73, 3859255.34	6.14E-03	1.94E-06	5.63E-07	6.61E-03	2.09E-06	6.07E-07	1.03E-02	3.26E-06	9.48E-07
2836 490119.73, 3859255.34	6.11E-03	1.93E-06	5.61E-07	6.59E-03	2.08E-06	6.05E-07	1.03E-02	3.25E-06	9.46E-07
2837 490169.73, 3859255.34	6.09E-03	1.92E-06	5.60E-07	6.57E-03	2.07E-06	6.03E-07	1.03E-02	3.24E-06	9.44E-07
2838 490219.73, 3859255.34	6.08E-03	1.92E-06	5.58E-07	6.55E-03	2.07E-06	6.01E-07	1.03E-02	3.24E-06	9.42E-07
2839 490269.73, 3859255.34	6.06E-03	1.91E-06	5.56E-07	6.53E-03	2.06E-06	5.99E-07	1.02E-02	3.23E-06	9.41E-07
2840 490319.73, 3859255.34	6.03E-03	1.90E-06	5.54E-07	6.50E-03	2.05E-06	5.97E-07	1.02E-02	3.22E-06	9.38E-07
2841 490069.73, 3859305.34	5.84E-03	1.84E-06	5.36E-07	6.29E-03	1.99E-06	5.78E-07	9.84E-03	3.11E-06	9.04E-07
2842 490119.73, 3859305.34	5.83E-03	1.84E-06	5.35E-07	6.28E-03	1.98E-06	5.76E-07	9.82E-03	3.10E-06	9.02E-07
2843 490169.73, 3859305.34	5.82E-03	1.84E-06	5.34E-07	6.27E-03	1.98E-06	5.75E-07	9.81E-03	3.10E-06	9.01E-07
2844 490219.73, 3859305.34	5.81E-03	1.83E-06	5.33E-07	6.26E-03	1.97E-06	5.74E-07	9.81E-03	3.10E-06	9.00E-07
2845 490269.73, 3859305.34	5.79E-03	1.83E-06	5.32E-07	6.24E-03	1.97E-06	5.73E-07	9.80E-03	3.09E-06	8.99E-07
2846 490319.73, 3859305.34	5.78E-03	1.82E-06	5.30E-07	6.23E-03	1.97E-06	5.72E-07	9.78E-03	3.09E-06	8.98E-07
2847 490069.73, 3859355.34	5.56E-03	1.75E-06	5.10E-07	5.99E-03	1.89E-06	5.50E-07	9.36E-03	2.95E-06	8.60E-07
2848 490119.73, 3859355.34	5.55E-03	1.75E-06	5.09E-07	5.98E-03	1.89E-06	5.49E-07	9.36E-03	2.95E-06	8.59E-07
2849 490169.73, 3859355.34	5.55E-03	1.75E-06	5.09E-07	5.97E-03	1.89E-06	5.49E-07	9.36E-03	2.95E-06	8.59E-07
2850 490219.73, 3859355.34	5.54E-03	1.75E-06	5.09E-07	5.97E-03	1.89E-06	5.48E-07	9.37E-03	2.96E-06	8.60E-07
2851 490269.73, 3859355.34	5.54E-03	1.75E-06	5.08E-07	5.97E-03	1.88E-06	5.48E-07	9.36E-03	2.96E-06	8.60E-07
2852 490319.73, 3859355.34	5.53E-03	1.75E-06	5.08E-07	5.96E-03	1.88E-06	5.47E-07	9.36E-03	2.96E-06	8.60E-07
2853 490069.73, 3859405.34	5.28E-03	1.67E-06	4.85E-07	5.69E-03	1.79E-06	5.22E-07	8.90E-03	2.81E-06	8.17E-07
2854 490119.73, 3859405.34	5.28E-03	1.67E-06	4.85E-07	5.69E-03	1.80E-06	5.22E-07	8.91E-03	2.81E-06	8.18E-07
2855 490169.73, 3859405.34	5.29E-03	1.67E-06	4.85E-07	5.70E-03	1.80E-06	5.23E-07	8.92E-03	2.82E-06	8.19E-07
2856 490219.73, 3859405.34	5.29E-03	1.67E-06	4.86E-07	5.70E-03	1.80E-06	5.23E-07	8.94E-03	2.82E-06	8.20E-07
2857 490269.73, 3859405.34	5.29E-03	1.67E-06	4.86E-07	5.70E-03	1.80E-06	5.23E-07	8.95E-03	2.82E-06	8.22E-07
2858 490319.73, 3859405.34	5.29E-03	1.67E-06	4.86E-07	5.70E-03	1.80E-06	5.23E-07	8.96E-03	2.83E-06	8.22E-07
2859 490161.89, 3859541.83	4.61E-03	1.46E-06	4.24E-07	4.97E-03	1.57E-06	4.56E-07	7.79E-03	2.46E-06	7.15E-07
2860 490171.89, 3859541.83	4.62E-03	1.46E-06	4.24E-07	4.98E-03	1.57E-06	4.57E-07	7.80E-03	2.46E-06	7.16E-07
2861 490161.89, 3859551.83	4.57E-03	1.44E-06	4.19E-07	4.92E-03	1.55E-06	4.52E-07	7.72E-03	2.44E-06	7.08E-07
2862 490171.89, 3859551.83	4.57E-03	1.44E-06	4.20E-07	4.93E-03	1.55E-06	4.52E-07	7.72E-03	2.44E-06	7.09E-07
2863 489799.72, 3859348.21	5.58E-03	1.76E-06	5.12E-07	6.00E-03	1.89E-06	5.51E-07	9.36E-03	2.95E-06	8.59E-07

2864	489819.72, 3859348.21	5.58E-03	1.76E-06	5.12E-07	6.01E-03	1.90E-06	5.52E-07	9.36E-03	2.96E-06	8.60E-07
2865	489799.72, 3859368.21	5.45E-03	1.72E-06	5.00E-07	5.87E-03	1.85E-06	5.39E-07	9.15E-03	2.89E-06	8.40E-07
2866	489819.72, 3859368.21	5.46E-03	1.72E-06	5.01E-07	5.87E-03	1.85E-06	5.39E-07	9.16E-03	2.89E-06	8.41E-07
2867	489775.41, 3859329.72	5.69E-03	1.80E-06	5.22E-07	6.12E-03	1.93E-06	5.62E-07	9.53E-03	3.01E-06	8.75E-07
2868	489795.41, 3859329.72	5.69E-03	1.80E-06	5.23E-07	6.13E-03	1.93E-06	5.63E-07	9.54E-03	3.01E-06	8.76E-07
2869	489775.41, 3859349.72	5.56E-03	1.75E-06	5.10E-07	5.98E-03	1.89E-06	5.49E-07	9.32E-03	2.94E-06	8.56E-07
2870	489795.41, 3859349.72	5.57E-03	1.76E-06	5.11E-07	5.99E-03	1.89E-06	5.50E-07	9.34E-03	2.95E-06	8.57E-07
2871	489595.05, 3859219.43	6.47E-03	2.04E-06	5.94E-07	6.96E-03	2.20E-06	6.39E-07	1.08E-02	3.40E-06	9.88E-07
2872	489615.05, 3859219.43	6.47E-03	2.04E-06	5.94E-07	6.96E-03	2.20E-06	6.39E-07	1.08E-02	3.40E-06	9.89E-07
2873	489595.05, 3859239.43	6.30E-03	1.99E-06	5.79E-07	6.78E-03	2.14E-06	6.22E-07	1.05E-02	3.31E-06	9.64E-07
2874	489615.05, 3859239.43	6.31E-03	1.99E-06	5.79E-07	6.79E-03	2.14E-06	6.23E-07	1.05E-02	3.32E-06	9.65E-07
2875	489372.4, 3859092.58	7.75E-03	2.45E-06	7.12E-07	8.32E-03	2.63E-06	7.64E-07	1.27E-02	4.00E-06	1.16E-06
2876	489422.4, 3859092.58	7.73E-03	2.44E-06	7.10E-07	8.30E-03	2.62E-06	7.62E-07	1.27E-02	4.00E-06	1.16E-06
2877	489372.4, 3859142.58	7.17E-03	2.26E-06	6.58E-07	7.70E-03	2.43E-06	7.07E-07	1.18E-02	3.72E-06	1.08E-06
2878	489422.4, 3859142.58	7.18E-03	2.26E-06	6.59E-07	7.71E-03	2.43E-06	7.08E-07	1.18E-02	3.73E-06	1.09E-06
2879	488870.84, 3858666.64	1.76E-02	5.56E-06	1.62E-06	1.88E-02	5.93E-06	1.73E-06	2.73E-02	8.62E-06	2.51E-06
2880	488900.84, 3858666.64	1.73E-02	5.45E-06	1.59E-06	1.84E-02	5.82E-06	1.69E-06	2.69E-02	8.49E-06	2.47E-06
2881	488870.84, 3858696.64	1.75E-02	5.52E-06	1.61E-06	1.86E-02	5.88E-06	1.71E-06	2.66E-02	8.39E-06	2.44E-06
2882	488900.84, 3858696.64	1.71E-02	5.40E-06	1.57E-06	1.82E-02	5.75E-06	1.67E-06	2.62E-02	8.26E-06	2.40E-06
2883	488889.67, 3858683.97	1.73E-02	5.46E-06	1.59E-06	1.84E-02	5.82E-06	1.69E-06	2.66E-02	8.40E-06	2.44E-06
2884	488919.67, 3858683.97	1.69E-02	5.34E-06	1.55E-06	1.81E-02	5.70E-06	1.66E-06	2.62E-02	8.27E-06	2.41E-06
2885	488889.67, 3858713.97	1.72E-02	5.43E-06	1.58E-06	1.83E-02	5.78E-06	1.68E-06	2.60E-02	8.20E-06	2.39E-06
2886	488919.67, 3858713.97	1.68E-02	5.30E-06	1.54E-06	1.79E-02	5.64E-06	1.64E-06	2.56E-02	8.06E-06	2.35E-06
2887	488906.61, 3858703.33	1.70E-02	5.37E-06	1.56E-06	1.81E-02	5.71E-06	1.66E-06	2.59E-02	8.19E-06	2.38E-06
2888	488936.61, 3858703.33	1.66E-02	5.25E-06	1.53E-06	1.77E-02	5.59E-06	1.63E-06	2.55E-02	8.06E-06	2.35E-06
2889	488906.61, 3858733.33	1.70E-02	5.36E-06	1.56E-06	1.80E-02	5.70E-06	1.66E-06	2.54E-02	8.02E-06	2.33E-06
2890	488936.61, 3858733.33	1.66E-02	5.22E-06	1.52E-06	1.76E-02	5.56E-06	1.62E-06	2.50E-02	7.88E-06	2.29E-06
2891	488637.63, 3858467.85	2.47E-02	7.81E-06	2.27E-06	2.66E-02	8.40E-06	2.44E-06	4.13E-02	1.30E-05	3.79E-06
2892	488662.63, 3858467.85	2.42E-02	7.64E-06	2.22E-06	2.61E-02	8.22E-06	2.39E-06	4.05E-02	1.28E-05	3.71E-06
2893	488637.63, 3858492.85	2.40E-02	7.57E-06	2.20E-06	2.58E-02	8.13E-06	2.37E-06	3.96E-02	1.25E-05	3.64E-06
2894	488662.63, 3858492.85	2.35E-02	7.41E-06	2.16E-06	2.52E-02	7.97E-06	2.32E-06	3.89E-02	1.23E-05	3.57E-06
2895	488687.63, 3858492.85	2.30E-02	7.27E-06	2.11E-06	2.48E-02	7.82E-06	2.27E-06	3.82E-02	1.20E-05	3.50E-06
2896	488637.63, 3858517.85	2.33E-02	7.34E-06	2.14E-06	2.50E-02	7.88E-06	2.29E-06	3.79E-02	1.20E-05	3.48E-06
2897	488662.63, 3858517.85	2.28E-02	7.20E-06	2.09E-06	2.45E-02	7.73E-06	2.25E-06	3.73E-02	1.18E-05	3.42E-06
2898	488687.63, 3858517.85	2.24E-02	7.06E-06	2.05E-06	2.40E-02	7.58E-06	2.20E-06	3.66E-02	1.16E-05	3.36E-06
2899	488194.42, 3857168.98	2.98E-02	9.40E-06	2.73E-06	3.22E-02	1.02E-05	2.96E-06	5.17E-02	1.63E-05	4.75E-06
2900	488244.42, 3857168.98	2.91E-02	9.20E-06	2.68E-06	3.15E-02	9.94E-06	2.89E-06	5.06E-02	1.60E-05	4.64E-06
2901	488294.42, 3857168.98	2.85E-02	8.99E-06	2.62E-06	3.08E-02	9.72E-06	2.83E-06	4.94E-02	1.56E-05	4.54E-06
2902	488244.42, 3857218.98	2.98E-02	9.41E-06	2.74E-06	3.22E-02	1.02E-05	2.96E-06	5.18E-02	1.63E-05	4.75E-06
2903	488294.42, 3857218.98	2.91E-02	9.20E-06	2.68E-06	3.15E-02	9.95E-06	2.89E-06	5.06E-02	1.60E-05	4.65E-06
2904	488294.42, 3857268.98	2.98E-02	9.41E-06	2.74E-06	3.22E-02	1.02E-05	2.96E-06	5.18E-02	1.64E-05	4.76E-06
2905	488139.13, 3857111.68	2.97E-02	9.37E-06	2.73E-06	3.21E-02	1.01E-05	2.95E-06	5.15E-02	1.63E-05	4.73E-06
2906	488189.13, 3857111.68	2.91E-02	9.18E-06	2.67E-06	3.14E-02	9.92E-06	2.89E-06	5.04E-02	1.59E-05	4.63E-06
2907	488189.13, 3857161.68	2.98E-02	9.39E-06	2.73E-06	3.22E-02	1.02E-05	2.95E-06	5.16E-02	1.63E-05	4.74E-06
2908	487951.04, 3856961.26	2.96E-02	9.33E-06	2.72E-06	3.20E-02	1.01E-05	2.93E-06	5.12E-02	1.62E-05	4.70E-06
2909	488001.04, 3856961.26	2.90E-02	9.15E-06	2.66E-06	3.13E-02	9.88E-06	2.87E-06	5.01E-02	1.58E-05	4.60E-06
2910	488051.04, 3856961.26	2.83E-02	8.95E-06	2.60E-06	3.06E-02	9.67E-06	2.81E-06	4.90E-02	1.55E-05	4.50E-06
2911	488101.04, 3856961.26	2.79E-02	8.80E-06	2.56E-06	3.01E-02	9.51E-06	2.76E-06	4.82E-02	1.52E-05	4.43E-06
2912	487951.04, 3857011.26	3.05E-02	9.62E-06	2.80E-06	3.29E-02	1.04E-05	3.02E-06	5.28E-02	1.66E-05	4.84E-06
2913	488001.04, 3857011.26	2.98E-02	9.39E-06	2.73E-06	3.22E-02	1.01E-05	2.95E-06	5.15E-02	1.63E-05	4.73E-06
2914	488051.04, 3857011.26	2.91E-02	9.18E-06	2.67E-06	3.14E-02	9.92E-06	2.89E-06	5.04E-02	1.59E-05	4.62E-06
2915	488101.04, 3857011.26	2.86E-02	9.02E-06	2.62E-06	3.09E-02	9.75E-06	2.84E-06	4.95E-02	1.56E-05	4.54E-06
2916	488001.04, 3857061.26	3.06E-02	9.66E-06	2.81E-06	3.31E-02	1.04E-05	3.04E-06	5.30E-02	1.67E-05	4.86E-06
2917	488051.04, 3857061.26	2.99E-02	9.45E-06	2.75E-06	3.24E-02	1.02E-05	2.97E-06	5.18E-02	1.64E-05	4.76E-06
2918	488101.04, 3857061.26	2.93E-02	9.26E-06	2.69E-06	3.17E-02	1.00E-05	2.91E-06	5.08E-02	1.60E-05	4.66E-06
2919	487638.98, 3856673.79	2.80E-02	8.83E-06	2.57E-06	3.02E-02	9.54E-06	2.78E-06	4.83E-02	1.52E-05	4.44E-06
2920	487688.98, 3856673.79	2.75E-02	8.68E-06	2.52E-06	2.97E-02	9.38E-06	2.73E-06	4.75E-02	1.50E-05	4.36E-06
2921	487638.98, 3856723.79	2.89E-02	9.14E-06	2.66E-06	3.13E-02	9.87E-06	2.87E-06	5.00E-02	1.58E-05	4.59E-06
2922	487688.98, 3856723.79	2.84E-02	8.96E-06	2.61E-06	3.07E-02	9.68E-06	2.82E-06	4.91E-02	1.55E-05	4.50E-06
2923	486324.61, 3855740.57	2.30E-02	7.25E-06	2.11E-06	2.48E-02	7.83E-06	2.28E-06	3.92E-02	1.24E-05	3.60E-06
2924	486374.61, 3855740.57	2.18E-02	6.88E-06	2.00E-06	2.35E-02	7.42E-06	2.16E-06	3.72E-02	1.17E-05	3.41E-06

2925	486424.61, 3855740.57	2.12E-02	6.68E-06	1.94E-06	2.28E-02	7.20E-06	2.10E-06	3.61E-02	1.14E-05	3.32E-06
2926	486324.61, 3855790.57	2.38E-02	7.51E-06	2.19E-06	2.57E-02	8.11E-06	2.36E-06	4.07E-02	1.28E-05	3.73E-06
2927	486374.61, 3855790.57	2.27E-02	7.15E-06	2.08E-06	2.44E-02	7.72E-06	2.24E-06	3.87E-02	1.22E-05	3.55E-06
2928	486424.61, 3855790.57	2.22E-02	7.00E-06	2.04E-06	2.39E-02	7.56E-06	2.20E-06	3.79E-02	1.20E-05	3.48E-06
2929	486324.61, 3855840.57	2.46E-02	7.77E-06	2.26E-06	2.66E-02	8.38E-06	2.44E-06	4.21E-02	1.33E-05	3.86E-06
2930	486374.61, 3855840.57	2.40E-02	7.58E-06	2.20E-06	2.59E-02	8.18E-06	2.38E-06	4.11E-02	1.30E-05	3.77E-06
2931	486424.61, 3855840.57	2.33E-02	7.34E-06	2.14E-06	2.51E-02	7.93E-06	2.31E-06	3.98E-02	1.26E-05	3.65E-06
2932	486324.61, 3855890.57	2.60E-02	8.22E-06	2.39E-06	2.81E-02	8.87E-06	2.58E-06	4.46E-02	1.41E-05	4.10E-06
2933	486374.61, 3855890.57	2.53E-02	7.98E-06	2.32E-06	2.73E-02	8.62E-06	2.51E-06	4.33E-02	1.37E-05	3.98E-06
2934	486424.61, 3855890.57	2.44E-02	7.71E-06	2.24E-06	2.64E-02	8.33E-06	2.42E-06	4.19E-02	1.32E-05	3.84E-06
2935	488735.69, 3858285.64	2.71E-02	8.57E-06	2.49E-06	2.93E-02	9.26E-06	2.69E-06	4.70E-02	1.48E-05	4.31E-06
2936	488765.69, 3858285.64	2.65E-02	8.35E-06	2.43E-06	2.86E-02	9.03E-06	2.63E-06	4.58E-02	1.44E-05	4.20E-06
2937	488735.69, 3858315.64	2.66E-02	8.40E-06	2.44E-06	2.87E-02	9.07E-06	2.64E-06	4.59E-02	1.45E-05	4.22E-06
2938	488765.69, 3858315.64	2.59E-02	8.19E-06	2.38E-06	2.80E-02	8.85E-06	2.57E-06	4.48E-02	1.41E-05	4.11E-06
2939	478676.63, 3849871.93	6.40E-04	2.02E-07	5.87E-08	6.90E-04	2.18E-07	6.34E-08	1.09E-03	3.45E-07	1.00E-07
2940	479326.63, 3849871.93	6.10E-04	1.92E-07	5.60E-08	6.58E-04	2.08E-07	6.04E-08	1.04E-03	3.29E-07	9.56E-08
2941	479376.63, 3849871.93	5.99E-04	1.89E-07	5.50E-08	6.47E-04	2.04E-07	5.94E-08	1.02E-03	3.23E-07	9.40E-08
2942	479426.63, 3849871.93	5.92E-04	1.87E-07	5.43E-08	6.39E-04	2.02E-07	5.86E-08	1.01E-03	3.19E-07	9.27E-08
2943	478726.63, 3849921.93	6.51E-04	2.05E-07	5.97E-08	7.02E-04	2.22E-07	6.45E-08	1.11E-03	3.51E-07	1.02E-07
2944	478776.63, 3849921.93	6.60E-04	2.08E-07	6.06E-08	7.12E-04	2.25E-07	6.54E-08	1.13E-03	3.56E-07	1.04E-07
2945	478826.63, 3849921.93	6.67E-04	2.11E-07	6.13E-08	7.20E-04	2.27E-07	6.61E-08	1.14E-03	3.60E-07	1.05E-07
2946	478976.63, 3849921.93	6.78E-04	2.14E-07	6.22E-08	7.31E-04	2.31E-07	6.71E-08	1.16E-03	3.66E-07	1.06E-07
2947	479026.63, 3849921.93	6.83E-04	2.15E-07	6.27E-08	7.37E-04	2.32E-07	6.76E-08	1.17E-03	3.68E-07	1.07E-07
2948	479076.63, 3849921.93	6.82E-04	2.15E-07	6.26E-08	7.36E-04	2.32E-07	6.76E-08	1.17E-03	3.68E-07	1.07E-07
2949	479126.63, 3849921.93	6.79E-04	2.14E-07	6.23E-08	7.32E-04	2.31E-07	6.72E-08	1.16E-03	3.66E-07	1.07E-07
2950	479176.63, 3849921.93	6.76E-04	2.13E-07	6.21E-08	7.30E-04	2.30E-07	6.70E-08	1.16E-03	3.65E-07	1.06E-07
2951	479226.63, 3849921.93	6.62E-04	2.09E-07	6.08E-08	7.14E-04	2.26E-07	6.56E-08	1.13E-03	3.57E-07	1.04E-07
2952	479276.63, 3849921.93	6.37E-04	2.01E-07	5.85E-08	6.87E-04	2.17E-07	6.31E-08	1.09E-03	3.44E-07	9.99E-08
2953	479326.63, 3849921.93	6.49E-04	2.05E-07	5.96E-08	7.00E-04	2.21E-07	6.43E-08	1.11E-03	3.50E-07	1.02E-07
2954	479376.63, 3849921.93	6.22E-04	1.96E-07	5.71E-08	6.71E-04	2.12E-07	6.16E-08	1.06E-03	3.35E-07	9.75E-08
2955	479426.63, 3849921.93	6.25E-04	1.97E-07	5.74E-08	6.74E-04	2.13E-07	6.19E-08	1.07E-03	3.37E-07	9.79E-08
2956	478726.63, 3849971.93	6.50E-04	2.05E-07	5.97E-08	7.01E-04	2.21E-07	6.44E-08	1.11E-03	3.50E-07	1.02E-07
2957	478776.63, 3849971.93	6.61E-04	2.09E-07	6.07E-08	7.13E-04	2.25E-07	6.55E-08	1.13E-03	3.56E-07	1.04E-07
2958	478826.63, 3849971.93	6.70E-04	2.12E-07	6.15E-08	7.23E-04	2.28E-07	6.64E-08	1.15E-03	3.61E-07	1.05E-07
2959	478976.63, 3849971.93	6.92E-04	2.19E-07	6.36E-08	7.47E-04	2.36E-07	6.86E-08	1.18E-03	3.74E-07	1.09E-07
2960	479026.63, 3849971.93	6.94E-04	2.19E-07	6.37E-08	7.49E-04	2.36E-07	6.88E-08	1.19E-03	3.74E-07	1.09E-07
2961	479076.63, 3849971.93	6.94E-04	2.19E-07	6.37E-08	7.49E-04	2.36E-07	6.87E-08	1.19E-03	3.74E-07	1.09E-07
2962	479126.63, 3849971.93	6.94E-04	2.19E-07	6.37E-08	7.49E-04	2.36E-07	6.87E-08	1.19E-03	3.74E-07	1.09E-07
2963	479176.63, 3849971.93	6.91E-04	2.18E-07	6.35E-08	7.46E-04	2.35E-07	6.85E-08	1.18E-03	3.73E-07	1.08E-07
2964	479226.63, 3849971.93	6.64E-04	2.10E-07	6.09E-08	7.16E-04	2.26E-07	6.58E-08	1.13E-03	3.58E-07	1.04E-07
2965	479276.63, 3849971.93	6.74E-04	2.13E-07	6.19E-08	7.27E-04	2.30E-07	6.68E-08	1.15E-03	3.64E-07	1.06E-07
2966	479326.63, 3849971.93	6.78E-04	2.14E-07	6.22E-08	7.31E-04	2.31E-07	6.71E-08	1.16E-03	3.66E-07	1.06E-07
2967	479376.63, 3849971.93	6.53E-04	2.06E-07	5.99E-08	7.04E-04	2.22E-07	6.46E-08	1.11E-03	3.52E-07	1.02E-07
2968	479426.63, 3849971.93	6.48E-04	2.05E-07	5.95E-08	7.00E-04	2.21E-07	6.42E-08	1.11E-03	3.49E-07	1.02E-07
2969	478726.63, 3850021.93	6.48E-04	2.05E-07	5.95E-08	6.99E-04	2.21E-07	6.42E-08	1.11E-03	3.49E-07	1.02E-07
2970	478776.63, 3850021.93	6.60E-04	2.08E-07	6.06E-08	7.12E-04	2.25E-07	6.54E-08	1.13E-03	3.56E-07	1.03E-07
2971	478826.63, 3850021.93	6.72E-04	2.12E-07	6.17E-08	7.25E-04	2.29E-07	6.65E-08	1.15E-03	3.62E-07	1.05E-07
2972	478976.63, 3850021.93	6.99E-04	2.21E-07	6.42E-08	7.54E-04	2.38E-07	6.93E-08	1.19E-03	3.77E-07	1.10E-07
2973	478726.63, 3850071.93	6.44E-04	2.03E-07	5.91E-08	6.95E-04	2.19E-07	6.38E-08	1.10E-03	3.47E-07	1.01E-07
2974	478776.63, 3850071.93	6.58E-04	2.08E-07	6.05E-08	7.10E-04	2.24E-07	6.52E-08	1.12E-03	3.55E-07	1.03E-07
2975	478826.63, 3850071.93	6.72E-04	2.12E-07	6.16E-08	7.24E-04	2.29E-07	6.65E-08	1.15E-03	3.62E-07	1.05E-07
2976	478876.63, 3850071.93	6.84E-04	2.16E-07	6.28E-08	7.38E-04	2.33E-07	6.77E-08	1.17E-03	3.68E-07	1.07E-07
2977	478976.63, 3850071.93	7.04E-04	2.22E-07	6.47E-08	7.60E-04	2.40E-07	6.98E-08	1.20E-03	3.80E-07	1.10E-07
2978	478726.63, 3850121.93	6.39E-04	2.02E-07	5.86E-08	6.89E-04	2.17E-07	6.33E-08	1.09E-03	3.43E-07	9.99E-08
2979	478776.63, 3850121.93	6.55E-04	2.07E-07	6.01E-08	7.07E-04	2.23E-07	6.49E-08	1.12E-03	3.53E-07	1.03E-07
2980	478826.63, 3850121.93	6.70E-04	2.11E-07	6.15E-08	7.22E-04	2.28E-07	6.63E-08	1.14E-03	3.61E-07	1.05E-07
2981	478876.63, 3850121.93	6.83E-04	2.15E-07	6.27E-08	7.36E-04	2.32E-07	6.76E-08	1.17E-03	3.68E-07	1.07E-07
2982	478976.63, 3850121.93	7.07E-04	2.23E-07	6.50E-08	7.63E-04	2.41E-07	7.01E-08	1.21E-03	3.81E-07	1.11E-07
2983	479026.63, 3850121.93	7.17E-04	2.26E-07	6.58E-08	7.74E-04	2.44E-07	7.10E-08	1.23E-03	3.87E-07	1.12E-07
2984	479076.63, 3850121.93	7.24E-04	2.28E-07	6.64E-08	7.81E-04	2.46E-07	7.17E-08	1.24E-03	3.90E-07	1.14E-07
2985	479126.63, 3850121.93	7.29E-04	2.30E-07	6.69E-08	7.87E-04	2.48E-07	7.22E-08	1.25E-03	3.93E-07	1.14E-07

2986 478776.63, 3850171.93	6.49E-04	2.05E-07	5.96E-08	7.01E-04	2.21E-07	6.43E-08	1.11E-03	3.49E-07	1.02E-07
2987 478826.63, 3850171.93	6.65E-04	2.10E-07	6.11E-08	7.18E-04	2.27E-07	6.59E-08	1.13E-03	3.58E-07	1.04E-07
2988 478876.63, 3850171.93	6.80E-04	2.15E-07	6.25E-08	7.34E-04	2.32E-07	6.74E-08	1.16E-03	3.66E-07	1.07E-07
2989 478976.63, 3850171.93	7.09E-04	2.24E-07	6.50E-08	7.64E-04	2.41E-07	7.02E-08	1.21E-03	3.82E-07	1.11E-07
2990 479026.63, 3850171.93	7.21E-04	2.27E-07	6.62E-08	7.78E-04	2.45E-07	7.14E-08	1.23E-03	3.89E-07	1.13E-07
2991 479076.63, 3850171.93	7.30E-04	2.30E-07	6.70E-08	7.87E-04	2.48E-07	7.23E-08	1.25E-03	3.93E-07	1.14E-07
2992 479126.63, 3850171.93	7.37E-04	2.33E-07	6.77E-08	7.95E-04	2.51E-07	7.30E-08	1.26E-03	3.97E-07	1.16E-07
2993 479176.63, 3850171.93	7.44E-04	2.35E-07	6.83E-08	8.03E-04	2.53E-07	7.37E-08	1.27E-03	4.01E-07	1.17E-07
2994 479226.63, 3850171.93	7.51E-04	2.37E-07	6.90E-08	8.11E-04	2.56E-07	7.44E-08	1.28E-03	4.05E-07	1.18E-07
2995 479276.63, 3850171.93	7.57E-04	2.39E-07	6.95E-08	8.17E-04	2.58E-07	7.50E-08	1.29E-03	4.08E-07	1.19E-07
2996 479326.63, 3850171.93	7.56E-04	2.39E-07	6.94E-08	8.16E-04	2.58E-07	7.49E-08	1.29E-03	4.08E-07	1.19E-07
2997 479376.63, 3850171.93	7.53E-04	2.38E-07	6.91E-08	8.12E-04	2.56E-07	7.46E-08	1.29E-03	4.06E-07	1.18E-07
2998 478676.63, 3850221.93	6.04E-04	1.91E-07	5.55E-08	6.51E-04	2.06E-07	5.98E-08	1.03E-03	3.24E-07	9.43E-08
2999 478726.63, 3850221.93	6.24E-04	1.97E-07	5.73E-08	6.73E-04	2.12E-07	6.18E-08	1.06E-03	3.35E-07	9.74E-08
3000 478976.63, 3850221.93	7.08E-04	2.24E-07	6.50E-08	7.64E-04	2.41E-07	7.01E-08	1.21E-03	3.81E-07	1.11E-07
3001 479026.63, 3850221.93	7.22E-04	2.28E-07	6.63E-08	7.79E-04	2.46E-07	7.15E-08	1.23E-03	3.89E-07	1.13E-07
3002 479076.63, 3850221.93	7.33E-04	2.31E-07	6.73E-08	7.91E-04	2.50E-07	7.26E-08	1.25E-03	3.95E-07	1.15E-07
3003 479126.63, 3850221.93	7.43E-04	2.34E-07	6.82E-08	8.01E-04	2.53E-07	7.36E-08	1.27E-03	4.01E-07	1.17E-07
3004 479176.63, 3850221.93	7.52E-04	2.37E-07	6.91E-08	8.12E-04	2.56E-07	7.45E-08	1.29E-03	4.06E-07	1.18E-07
3005 479226.63, 3850221.93	7.60E-04	2.40E-07	6.98E-08	8.20E-04	2.59E-07	7.53E-08	1.30E-03	4.10E-07	1.19E-07
3006 479276.63, 3850221.93	7.67E-04	2.42E-07	7.04E-08	8.27E-04	2.61E-07	7.60E-08	1.31E-03	4.14E-07	1.20E-07
3007 479326.63, 3850221.93	7.68E-04	2.42E-07	7.05E-08	8.28E-04	2.61E-07	7.60E-08	1.31E-03	4.14E-07	1.20E-07
3008 479376.63, 3850221.93	7.68E-04	2.42E-07	7.05E-08	8.28E-04	2.61E-07	7.60E-08	1.31E-03	4.14E-07	1.20E-07
3009 478676.63, 3850271.93	5.95E-04	1.88E-07	5.46E-08	6.41E-04	2.02E-07	5.89E-08	1.01E-03	3.19E-07	9.27E-08
3010 478726.63, 3850271.93	6.15E-04	1.94E-07	5.65E-08	6.63E-04	2.09E-07	6.09E-08	1.05E-03	3.30E-07	9.60E-08
3011 478976.63, 3850271.93	7.05E-04	2.23E-07	6.47E-08	7.61E-04	2.40E-07	6.98E-08	1.20E-03	3.79E-07	1.10E-07
3012 479026.63, 3850271.93	7.21E-04	2.28E-07	6.62E-08	7.78E-04	2.46E-07	7.14E-08	1.23E-03	3.88E-07	1.13E-07
3013 479076.63, 3850271.93	7.35E-04	2.32E-07	6.74E-08	7.93E-04	2.50E-07	7.28E-08	1.25E-03	3.96E-07	1.15E-07
3014 479126.63, 3850271.93	7.47E-04	2.36E-07	6.86E-08	8.06E-04	2.54E-07	7.40E-08	1.27E-03	4.02E-07	1.17E-07
3015 479176.63, 3850271.93	7.58E-04	2.39E-07	6.96E-08	8.17E-04	2.58E-07	7.50E-08	1.29E-03	4.08E-07	1.19E-07
3016 479226.63, 3850271.93	7.67E-04	2.42E-07	7.04E-08	8.28E-04	2.61E-07	7.60E-08	1.31E-03	4.14E-07	1.20E-07
3017 479276.63, 3850271.93	7.74E-04	2.44E-07	7.11E-08	8.35E-04	2.64E-07	7.67E-08	1.32E-03	4.17E-07	1.21E-07
3018 479326.63, 3850271.93	7.77E-04	2.45E-07	7.14E-08	8.39E-04	2.65E-07	7.70E-08	1.33E-03	4.19E-07	1.22E-07
3019 479376.63, 3850271.93	7.78E-04	2.45E-07	7.14E-08	8.39E-04	2.65E-07	7.70E-08	1.33E-03	4.19E-07	1.22E-07
3020 479053.24, 3850293.52	7.28E-04	2.30E-07	6.69E-08	7.86E-04	2.48E-07	7.21E-08	1.24E-03	3.92E-07	1.14E-07
3021 479103.24, 3850293.52	7.42E-04	2.34E-07	6.81E-08	8.00E-04	2.53E-07	7.35E-08	1.27E-03	4.00E-07	1.16E-07
3022 479153.24, 3850293.52	7.54E-04	2.38E-07	6.92E-08	8.13E-04	2.57E-07	7.46E-08	1.29E-03	4.06E-07	1.18E-07
3023 479203.24, 3850293.52	7.65E-04	2.41E-07	7.02E-08	8.25E-04	2.61E-07	7.58E-08	1.31E-03	4.12E-07	1.20E-07
3024 479253.24, 3850293.52	7.74E-04	2.44E-07	7.10E-08	8.35E-04	2.63E-07	7.66E-08	1.32E-03	4.17E-07	1.21E-07
3025 479303.24, 3850293.52	7.79E-04	2.46E-07	7.15E-08	8.41E-04	2.65E-07	7.72E-08	1.33E-03	4.20E-07	1.22E-07
3026 479353.24, 3850293.52	7.82E-04	2.47E-07	7.18E-08	8.44E-04	2.66E-07	7.75E-08	1.34E-03	4.22E-07	1.23E-07
3027 479153.24, 3850343.52	7.55E-04	2.38E-07	6.93E-08	8.15E-04	2.57E-07	7.48E-08	1.29E-03	4.07E-07	1.18E-07
3028 479203.24, 3850343.52	7.68E-04	2.42E-07	7.05E-08	8.29E-04	2.62E-07	7.61E-08	1.31E-03	4.14E-07	1.20E-07
3029 479253.24, 3850343.52	7.78E-04	2.45E-07	7.14E-08	8.39E-04	2.65E-07	7.70E-08	1.33E-03	4.19E-07	1.22E-07
3030 479303.24, 3850343.52	7.85E-04	2.48E-07	7.21E-08	8.47E-04	2.67E-07	7.77E-08	1.34E-03	4.23E-07	1.23E-07
3031 479353.24, 3850343.52	7.90E-04	2.49E-07	7.25E-08	8.52E-04	2.69E-07	7.82E-08	1.35E-03	4.26E-07	1.24E-07
3032 479203.24, 3850393.52	7.68E-04	2.42E-07	7.05E-08	8.29E-04	2.62E-07	7.61E-08	1.31E-03	4.14E-07	1.20E-07
3033 479253.24, 3850393.52	7.80E-04	2.46E-07	7.16E-08	8.41E-04	2.66E-07	7.72E-08	1.33E-03	4.20E-07	1.22E-07
3034 479303.24, 3850393.52	7.89E-04	2.49E-07	7.24E-08	8.51E-04	2.69E-07	7.82E-08	1.35E-03	4.25E-07	1.24E-07
3035 479353.24, 3850393.52	7.96E-04	2.51E-07	7.31E-08	8.59E-04	2.71E-07	7.89E-08	1.36E-03	4.29E-07	1.25E-07
3036 479403.24, 3850393.52	8.01E-04	2.53E-07	7.36E-08	8.65E-04	2.73E-07	7.94E-08	1.37E-03	4.32E-07	1.26E-07
3037 479453.24, 3850393.52	8.03E-04	2.53E-07	7.37E-08	8.67E-04	2.73E-07	7.96E-08	1.37E-03	4.33E-07	1.26E-07
3038 479503.24, 3850393.52	8.01E-04	2.53E-07	7.36E-08	8.65E-04	2.73E-07	7.94E-08	1.37E-03	4.32E-07	1.26E-07
3039 479303.24, 3850443.52	7.91E-04	2.50E-07	7.26E-08	8.53E-04	2.69E-07	7.83E-08	1.35E-03	4.26E-07	1.24E-07
3040 479353.24, 3850443.52	8.00E-04	2.52E-07	7.34E-08	8.63E-04	2.72E-07	7.92E-08	1.37E-03	4.31E-07	1.25E-07
3041 479403.24, 3850443.52	8.06E-04	2.54E-07	7.40E-08	8.70E-04	2.75E-07	7.98E-08	1.38E-03	4.35E-07	1.26E-07
3042 479453.24, 3850443.52	8.10E-04	2.56E-07	7.43E-08	8.74E-04	2.76E-07	8.02E-08	1.38E-03	4.37E-07	1.27E-07
3043 479503.24, 3850443.52	8.11E-04	2.56E-07	7.44E-08	8.75E-04	2.76E-07	8.03E-08	1.39E-03	4.37E-07	1.27E-07
3044 480327.18, 3850987.04	9.69E-04	3.06E-07	8.90E-08	1.05E-03	3.30E-07	9.59E-08	1.65E-03	5.20E-07	1.51E-07
3045 480377.18, 3850987.04	9.62E-04	3.04E-07	8.83E-08	1.04E-03	3.27E-07	9.52E-08	1.64E-03	5.16E-07	1.50E-07
3046 480427.18, 3850987.04	9.52E-04	3.01E-07	8.74E-08	1.03E-03	3.24E-07	9.43E-08	1.62E-03	5.11E-07	1.49E-07

3047	480477.18, 3850987.04	9.41E-04	2.97E-07	8.64E-08	1.01E-03	3.20E-07	9.32E-08	1.60E-03	5.05E-07	1.47E-07
3048	480327.18, 3851037.04	9.91E-04	3.13E-07	9.10E-08	1.07E-03	3.37E-07	9.82E-08	1.69E-03	5.32E-07	1.55E-07
3049	480377.18, 3851037.04	9.85E-04	3.11E-07	9.04E-08	1.06E-03	3.35E-07	9.75E-08	1.68E-03	5.29E-07	1.54E-07
3050	480427.18, 3851037.04	9.77E-04	3.08E-07	8.97E-08	1.05E-03	3.32E-07	9.67E-08	1.66E-03	5.24E-07	1.52E-07
3051	480477.18, 3851037.04	9.68E-04	3.05E-07	8.89E-08	1.04E-03	3.29E-07	9.58E-08	1.64E-03	5.19E-07	1.51E-07
3052	480622.06, 3851087.39	9.68E-04	3.05E-07	8.88E-08	1.04E-03	3.29E-07	9.58E-08	1.64E-03	5.18E-07	1.51E-07
3053	480672.06, 3851087.39	9.58E-04	3.02E-07	8.80E-08	1.03E-03	3.26E-07	9.48E-08	1.63E-03	5.13E-07	1.49E-07
3054	480622.06, 3851137.39	9.96E-04	3.14E-07	9.14E-08	1.07E-03	3.39E-07	9.86E-08	1.69E-03	5.33E-07	1.55E-07
3055	480672.06, 3851137.39	9.86E-04	3.11E-07	9.06E-08	1.06E-03	3.36E-07	9.76E-08	1.67E-03	5.28E-07	1.54E-07
3056	480722.06, 3851137.39	9.78E-04	3.09E-07	8.98E-08	1.05E-03	3.33E-07	9.68E-08	1.66E-03	5.23E-07	1.52E-07
3057	480622.06, 3851187.39	1.02E-03	3.23E-07	9.40E-08	1.10E-03	3.48E-07	1.01E-07	1.74E-03	5.48E-07	1.60E-07
3058	480672.06, 3851187.39	1.02E-03	3.20E-07	9.32E-08	1.09E-03	3.45E-07	1.00E-07	1.72E-03	5.44E-07	1.58E-07
3059	480722.06, 3851187.39	1.01E-03	3.18E-07	9.25E-08	1.09E-03	3.43E-07	9.97E-08	1.71E-03	5.39E-07	1.57E-07
3060	471363.09, 3845877.25	1.28E-04	4.05E-08	1.18E-08	1.38E-04	4.37E-08	1.27E-08	2.19E-04	6.92E-08	2.01E-08
3061	471863.09, 3845877.25	1.21E-04	3.80E-08	1.11E-08	1.30E-04	4.11E-08	1.19E-08	2.06E-04	6.51E-08	1.89E-08
3062	472363.09, 3845877.25	1.26E-04	3.97E-08	1.15E-08	1.36E-04	4.28E-08	1.24E-08	2.15E-04	6.77E-08	1.97E-08
3063	472863.09, 3845877.25	1.05E-04	3.32E-08	9.67E-09	1.14E-04	3.59E-08	1.04E-08	1.80E-04	5.68E-08	1.65E-08
3064	473363.09, 3845877.25	1.12E-04	3.52E-08	1.02E-08	1.20E-04	3.80E-08	1.10E-08	1.91E-04	6.01E-08	1.75E-08
3065	473863.09, 3845877.25	1.21E-04	3.83E-08	1.11E-08	1.31E-04	4.13E-08	1.20E-08	2.07E-04	6.54E-08	1.90E-08
3066	474363.09, 3845877.25	1.57E-04	4.95E-08	1.44E-08	1.69E-04	5.34E-08	1.55E-08	2.68E-04	8.45E-08	2.46E-08
3067	474863.09, 3845877.25	1.98E-04	6.25E-08	1.82E-08	2.14E-04	6.75E-08	1.96E-08	3.39E-04	1.07E-07	3.11E-08
3068	475363.09, 3845877.25	2.18E-04	6.88E-08	2.00E-08	2.35E-04	7.43E-08	2.16E-08	3.73E-04	1.18E-07	3.43E-08
3069	475863.09, 3845877.25	2.13E-04	6.72E-08	1.95E-08	2.30E-04	7.25E-08	2.11E-08	3.64E-04	1.15E-07	3.34E-08
3070	476363.09, 3845877.25	1.84E-04	5.79E-08	1.69E-08	1.98E-04	6.25E-08	1.82E-08	3.13E-04	9.88E-08	2.87E-08
3071	476863.09, 3845877.25	1.59E-04	5.02E-08	1.46E-08	1.72E-04	5.42E-08	1.58E-08	2.71E-04	8.56E-08	2.49E-08
3072	477363.09, 3845877.25	1.43E-04	4.50E-08	1.31E-08	1.54E-04	4.86E-08	1.41E-08	2.42E-04	7.65E-08	2.22E-08
3073	477863.09, 3845877.25	1.29E-04	4.07E-08	1.18E-08	1.39E-04	4.39E-08	1.28E-08	2.19E-04	6.92E-08	2.01E-08
3074	478363.09, 3845877.25	1.22E-04	3.84E-08	1.12E-08	1.31E-04	4.14E-08	1.20E-08	2.06E-04	6.51E-08	1.89E-08
3075	478863.09, 3845877.25	1.16E-04	3.68E-08	1.07E-08	1.26E-04	3.96E-08	1.15E-08	1.98E-04	6.24E-08	1.82E-08
3076	479363.09, 3845877.25	1.14E-04	3.60E-08	1.05E-08	1.23E-04	3.88E-08	1.13E-08	1.93E-04	6.09E-08	1.77E-08
3077	479863.09, 3845877.25	1.07E-04	3.37E-08	9.80E-09	1.15E-04	3.63E-08	1.06E-08	1.81E-04	5.71E-08	1.66E-08
3078	480363.09, 3845877.25	9.45E-05	2.98E-08	8.67E-09	1.02E-04	3.21E-08	9.35E-09	1.60E-04	5.07E-08	1.47E-08
3079	480863.09, 3845877.25	8.79E-05	2.77E-08	8.07E-09	9.47E-05	2.99E-08	8.70E-09	1.49E-04	4.71E-08	1.37E-08
3080	481363.09, 3845877.25	8.22E-05	2.59E-08	7.55E-09	8.86E-05	2.80E-08	8.14E-09	1.40E-04	4.40E-08	1.28E-08
3081	481863.09, 3845877.25	7.71E-05	2.43E-08	7.08E-09	8.31E-05	2.62E-08	7.63E-09	1.31E-04	4.14E-08	1.20E-08
3082	482363.09, 3845877.25	7.05E-05	2.23E-08	6.47E-09	7.60E-05	2.40E-08	6.98E-09	1.20E-04	3.78E-08	1.10E-08
3083	482863.09, 3845877.25	6.02E-05	1.90E-08	5.52E-09	6.49E-05	2.05E-08	5.96E-09	1.03E-04	3.24E-08	9.41E-09
3084	483363.09, 3845877.25	5.51E-05	1.74E-08	5.06E-09	5.94E-05	1.88E-08	5.45E-09	9.41E-05	2.97E-08	8.64E-09
3085	483863.09, 3845877.25	6.07E-05	1.92E-08	5.58E-09	6.55E-05	2.07E-08	6.01E-09	1.03E-04	3.26E-08	9.49E-09
3086	484363.09, 3845877.25	5.99E-05	1.89E-08	5.50E-09	6.46E-05	2.04E-08	5.93E-09	1.02E-04	3.22E-08	9.36E-09
3087	484863.09, 3845877.25	5.69E-05	1.80E-08	5.23E-09	6.14E-05	1.94E-08	5.64E-09	9.69E-05	3.06E-08	8.89E-09
3088	485363.09, 3845877.25	5.40E-05	1.70E-08	4.95E-09	5.82E-05	1.84E-08	5.34E-09	9.21E-05	2.91E-08	8.45E-09
3089	485863.09, 3845877.25	5.34E-05	1.68E-08	4.90E-09	5.76E-05	1.82E-08	5.29E-09	9.12E-05	2.88E-08	8.37E-09
3090	486363.09, 3845877.25	5.17E-05	1.63E-08	4.75E-09	5.58E-05	1.76E-08	5.12E-09	8.83E-05	2.79E-08	8.11E-09
3091	486863.09, 3845877.25	4.86E-05	1.53E-08	4.46E-09	5.24E-05	1.65E-08	4.81E-09	8.31E-05	2.62E-08	7.63E-09
3092	487363.09, 3845877.25	4.76E-05	1.50E-08	4.37E-09	5.14E-05	1.62E-08	4.71E-09	8.15E-05	2.57E-08	7.48E-09
3093	487863.09, 3845877.25	4.53E-05	1.43E-08	4.16E-09	4.89E-05	1.54E-08	4.49E-09	7.78E-05	2.45E-08	7.14E-09
3094	488363.09, 3845877.25	4.46E-05	1.41E-08	4.09E-09	4.82E-05	1.52E-08	4.42E-09	7.67E-05	2.42E-08	7.05E-09
3095	488863.09, 3845877.25	4.78E-05	1.51E-08	4.39E-09	5.17E-05	1.63E-08	4.74E-09	8.21E-05	2.59E-08	7.54E-09
3096	489363.09, 3845877.25	4.84E-05	1.53E-08	4.44E-09	5.23E-05	1.65E-08	4.80E-09	8.32E-05	2.63E-08	7.64E-09
3097	489863.09, 3845877.25	4.79E-05	1.51E-08	4.40E-09	5.18E-05	1.63E-08	4.75E-09	8.28E-05	2.61E-08	7.60E-09
3098	490363.09, 3845877.25	4.68E-05	1.48E-08	4.29E-09	5.06E-05	1.60E-08	4.64E-09	8.11E-05	2.56E-08	7.44E-09
3099	490863.09, 3845877.25	4.39E-05	1.39E-08	4.03E-09	4.75E-05	1.50E-08	4.36E-09	7.64E-05	2.41E-08	7.02E-09
3100	491363.09, 3845877.25	4.73E-05	1.49E-08	4.34E-09	5.12E-05	1.61E-08	4.70E-09	8.22E-05	2.59E-08	7.55E-09
3101	491863.09, 3845877.25	5.00E-05	1.58E-08	4.59E-09	5.41E-05	1.71E-08	4.96E-09	8.67E-05	2.74E-08	7.96E-09
3102	492363.09, 3845877.25	4.80E-05	1.52E-08	4.41E-09	5.19E-05	1.64E-08	4.77E-09	8.35E-05	2.64E-08	7.67E-09
3103	492863.09, 3845877.25	5.42E-05	1.71E-08	4.98E-09	5.86E-05	1.85E-08	5.38E-09	9.39E-05	2.96E-08	8.62E-09
3104	493363.09, 3845877.25	5.79E-05	1.83E-08	5.31E-09	6.26E-05	1.97E-08	5.74E-09	1.00E-04	3.17E-08	9.21E-09
3105	493863.09, 3845877.25	6.18E-05	1.95E-08	5.68E-09	6.68E-05	2.11E-08	6.13E-09	1.07E-04	3.38E-08	9.82E-09
3106	494363.09, 3845877.25	6.59E-05	2.08E-08	6.05E-09	7.12E-05	2.25E-08	6.54E-09	1.14E-04	3.60E-08	1.05E-08
3107	494863.09, 3845877.25	6.96E-05	2.20E-08	6.39E-09	7.52E-05	2.37E-08	6.90E-09	1.20E-04	3.80E-08	1.11E-08

3108	495363.09, 3845877.25	7.42E-05	2.34E-08	6.81E-09	8.02E-05	2.53E-08	7.36E-09	1.28E-04	4.05E-08	1.18E-08
3109	495863.09, 3845877.25	8.00E-05	2.52E-08	7.34E-09	8.64E-05	2.73E-08	7.93E-09	1.38E-04	4.37E-08	1.27E-08
3110	496363.09, 3845877.25	8.59E-05	2.71E-08	7.89E-09	9.28E-05	2.93E-08	8.52E-09	1.48E-04	4.68E-08	1.36E-08
3111	496863.09, 3845877.25	9.04E-05	2.85E-08	8.30E-09	9.77E-05	3.08E-08	8.97E-09	1.56E-04	4.93E-08	1.43E-08
3112	497363.09, 3845877.25	9.53E-05	3.01E-08	8.75E-09	1.03E-04	3.25E-08	9.45E-09	1.65E-04	5.20E-08	1.51E-08
3113	497863.09, 3845877.25	1.01E-04	3.18E-08	9.25E-09	1.09E-04	3.44E-08	1.00E-08	1.74E-04	5.50E-08	1.60E-08
3114	498363.09, 3845877.25	1.06E-04	3.34E-08	9.71E-09	1.14E-04	3.61E-08	1.05E-08	1.83E-04	5.77E-08	1.68E-08
3115	471363.09, 3846377.25	2.06E-04	6.51E-08	1.89E-08	2.23E-04	7.02E-08	2.04E-08	3.51E-04	1.11E-07	3.22E-08
3116	471863.09, 3846377.25	1.85E-04	5.85E-08	1.70E-08	2.00E-04	6.31E-08	1.84E-08	3.16E-04	9.97E-08	2.90E-08
3117	472363.09, 3846377.25	1.31E-04	4.13E-08	1.20E-08	1.41E-04	4.46E-08	1.30E-08	2.24E-04	7.07E-08	2.06E-08
3118	472863.09, 3846377.25	1.28E-04	4.04E-08	1.17E-08	1.38E-04	4.36E-08	1.27E-08	2.19E-04	6.90E-08	2.01E-08
3119	473363.09, 3846377.25	1.22E-04	3.86E-08	1.12E-08	1.32E-04	4.16E-08	1.21E-08	2.09E-04	6.59E-08	1.92E-08
3120	473863.09, 3846377.25	1.34E-04	4.22E-08	1.23E-08	1.44E-04	4.55E-08	1.32E-08	2.28E-04	7.20E-08	2.09E-08
3121	474363.09, 3846377.25	1.49E-04	4.71E-08	1.37E-08	1.61E-04	5.08E-08	1.48E-08	2.54E-04	8.03E-08	2.33E-08
3122	474863.09, 3846377.25	1.91E-04	6.03E-08	1.76E-08	2.06E-04	6.51E-08	1.89E-08	3.26E-04	1.03E-07	2.99E-08
3123	475363.09, 3846377.25	2.34E-04	7.38E-08	2.15E-08	2.52E-04	7.97E-08	2.32E-08	4.00E-04	1.26E-07	3.67E-08
3124	475863.09, 3846377.25	2.53E-04	7.98E-08	2.32E-08	2.73E-04	8.61E-08	2.50E-08	4.32E-04	1.36E-07	3.97E-08
3125	476363.09, 3846377.25	2.31E-04	7.29E-08	2.12E-08	2.49E-04	7.87E-08	2.29E-08	3.95E-04	1.25E-07	3.62E-08
3126	476863.09, 3846377.25	1.98E-04	6.25E-08	1.82E-08	2.14E-04	6.74E-08	1.96E-08	3.38E-04	1.07E-07	3.10E-08
3127	477363.09, 3846377.25	1.75E-04	5.53E-08	1.61E-08	1.89E-04	5.96E-08	1.73E-08	2.99E-04	9.42E-08	2.74E-08
3128	477863.09, 3846377.25	1.52E-04	4.79E-08	1.39E-08	1.64E-04	5.17E-08	1.50E-08	2.58E-04	8.14E-08	2.37E-08
3129	478363.09, 3846377.25	1.42E-04	4.47E-08	1.30E-08	1.53E-04	4.82E-08	1.40E-08	2.41E-04	7.59E-08	2.21E-08
3130	478863.09, 3846377.25	1.41E-04	4.44E-08	1.29E-08	1.52E-04	4.79E-08	1.39E-08	2.39E-04	7.55E-08	2.20E-08
3131	479363.09, 3846377.25	1.33E-04	4.21E-08	1.22E-08	1.44E-04	4.54E-08	1.32E-08	2.26E-04	7.15E-08	2.08E-08
3132	479863.09, 3846377.25	1.21E-04	3.82E-08	1.11E-08	1.30E-04	4.11E-08	1.20E-08	2.05E-04	6.46E-08	1.88E-08
3133	480363.09, 3846377.25	1.17E-04	3.68E-08	1.07E-08	1.26E-04	3.97E-08	1.15E-08	1.98E-04	6.25E-08	1.82E-08
3134	480863.09, 3846377.25	1.01E-04	3.19E-08	9.28E-09	1.09E-04	3.44E-08	1.00E-08	1.72E-04	5.42E-08	1.58E-08
3135	481363.09, 3846377.25	9.54E-05	3.01E-08	8.75E-09	1.03E-04	3.24E-08	9.44E-09	1.62E-04	5.10E-08	1.48E-08
3136	481863.09, 3846377.25	8.85E-05	2.79E-08	8.13E-09	9.55E-05	3.01E-08	8.76E-09	1.50E-04	4.75E-08	1.38E-08
3137	482363.09, 3846377.25	7.94E-05	2.51E-08	7.29E-09	8.56E-05	2.70E-08	7.86E-09	1.35E-04	4.26E-08	1.24E-08
3138	482863.09, 3846377.25	6.91E-05	2.18E-08	6.34E-09	7.45E-05	2.35E-08	6.84E-09	1.17E-04	3.71E-08	1.08E-08
3139	483363.09, 3846377.25	7.02E-05	2.22E-08	6.44E-09	7.57E-05	2.39E-08	6.95E-09	1.19E-04	3.77E-08	1.10E-08
3140	483863.09, 3846377.25	6.82E-05	2.15E-08	6.26E-09	7.36E-05	2.32E-08	6.75E-09	1.16E-04	3.66E-08	1.06E-08
3141	484363.09, 3846377.25	6.29E-05	1.98E-08	5.77E-09	6.78E-05	2.14E-08	6.22E-09	1.07E-04	3.38E-08	9.82E-09
3142	484863.09, 3846377.25	6.53E-05	2.06E-08	5.99E-09	7.04E-05	2.22E-08	6.46E-09	1.11E-04	3.50E-08	1.02E-08
3143	485363.09, 3846377.25	6.37E-05	2.01E-08	5.85E-09	6.87E-05	2.17E-08	6.31E-09	1.08E-04	3.42E-08	9.95E-09
3144	485863.09, 3846377.25	5.96E-05	1.88E-08	5.47E-09	6.43E-05	2.03E-08	5.90E-09	1.02E-04	3.21E-08	9.33E-09
3145	486363.09, 3846377.25	5.28E-05	1.67E-08	4.85E-09	5.70E-05	1.80E-08	5.23E-09	9.03E-05	2.85E-08	8.29E-09
3146	486863.09, 3846377.25	5.03E-05	1.59E-08	4.62E-09	5.43E-05	1.71E-08	4.98E-09	8.60E-05	2.71E-08	7.90E-09
3147	487363.09, 3846377.25	5.05E-05	1.60E-08	4.64E-09	5.45E-05	1.72E-08	5.01E-09	8.66E-05	2.73E-08	7.95E-09
3148	487863.09, 3846377.25	5.36E-05	1.69E-08	4.92E-09	5.79E-05	1.83E-08	5.31E-09	9.18E-05	2.90E-08	8.43E-09
3149	488363.09, 3846377.25	5.27E-05	1.66E-08	4.83E-09	5.68E-05	1.79E-08	5.22E-09	9.02E-05	2.85E-08	8.28E-09
3150	488863.09, 3846377.25	5.32E-05	1.68E-08	4.88E-09	5.74E-05	1.81E-08	5.27E-09	9.13E-05	2.88E-08	8.39E-09
3151	489363.09, 3846377.25	5.37E-05	1.70E-08	4.93E-09	5.80E-05	1.83E-08	5.33E-09	9.25E-05	2.92E-08	8.49E-09
3152	489863.09, 3846377.25	5.30E-05	1.67E-08	4.87E-09	5.73E-05	1.81E-08	5.26E-09	9.15E-05	2.89E-08	8.40E-09
3153	490363.09, 3846377.25	4.96E-05	1.57E-08	4.55E-09	5.36E-05	1.69E-08	4.92E-09	8.60E-05	2.71E-08	7.89E-09
3154	490863.09, 3846377.25	4.90E-05	1.55E-08	4.50E-09	5.30E-05	1.67E-08	4.86E-09	8.51E-05	2.69E-08	7.81E-09
3155	491363.09, 3846377.25	5.01E-05	1.58E-08	4.60E-09	5.42E-05	1.71E-08	4.98E-09	8.71E-05	2.75E-08	8.00E-09
3156	491863.09, 3846377.25	5.55E-05	1.75E-08	5.10E-09	6.00E-05	1.89E-08	5.51E-09	9.61E-05	3.03E-08	8.82E-09
3157	492363.09, 3846377.25	5.65E-05	1.78E-08	5.18E-09	6.10E-05	1.93E-08	5.60E-09	9.80E-05	3.09E-08	8.99E-09
3158	492863.09, 3846377.25	5.87E-05	1.85E-08	5.39E-09	6.35E-05	2.00E-08	5.83E-09	1.02E-04	3.21E-08	9.34E-09
3159	493363.09, 3846377.25	6.46E-05	2.04E-08	5.93E-09	6.99E-05	2.20E-08	6.41E-09	1.12E-04	3.53E-08	1.03E-08
3160	493863.09, 3846377.25	6.93E-05	2.19E-08	6.36E-09	7.49E-05	2.36E-08	6.87E-09	1.20E-04	3.78E-08	1.10E-08
3161	494363.09, 3846377.25	7.42E-05	2.34E-08	6.81E-09	8.02E-05	2.53E-08	7.36E-09	1.28E-04	4.05E-08	1.18E-08
3162	494863.09, 3846377.25	7.93E-05	2.50E-08	7.28E-09	8.57E-05	2.70E-08	7.86E-09	1.37E-04	4.32E-08	1.26E-08
3163	495363.09, 3846377.25	8.49E-05	2.68E-08	7.79E-09	9.17E-05	2.90E-08	8.42E-09	1.47E-04	4.63E-08	1.35E-08
3164	495863.09, 3846377.25	9.15E-05	2.89E-08	8.40E-09	9.89E-05	3.12E-08	9.08E-09	1.58E-04	4.99E-08	1.45E-08
3165	496363.09, 3846377.25	9.83E-05	3.10E-08	9.02E-09	1.06E-04	3.35E-08	9.75E-09	1.70E-04	5.36E-08	1.56E-08
3166	496863.09, 3846377.25	1.05E-04	3.31E-08	9.63E-09	1.13E-04	3.58E-08	1.04E-08	1.81E-04	5.72E-08	1.66E-08
3167	497363.09, 3846377.25	1.11E-04	3.51E-08	1.02E-08	1.20E-04	3.80E-08	1.10E-08	1.93E-04	6.08E-08	1.77E-08
3168	497863.09, 3846377.25	1.17E-04	3.69E-08	1.07E-08	1.26E-04	3.99E-08	1.16E-08	2.02E-04	6.38E-08	1.86E-08

3169	498363.09, 3846377.25	1.22E-04	3.85E-08	1.12E-08	1.32E-04	4.16E-08	1.21E-08	2.11E-04	6.65E-08	1.93E-08
3170	471363.09, 3846877.25	2.27E-04	7.15E-08	2.08E-08	2.44E-04	7.71E-08	2.24E-08	3.86E-04	1.22E-07	3.54E-08
3171	471863.09, 3846877.25	2.28E-04	7.20E-08	2.09E-08	2.46E-04	7.76E-08	2.26E-08	3.87E-04	1.22E-07	3.56E-08
3172	472363.09, 3846877.25	2.16E-04	6.81E-08	1.98E-08	2.33E-04	7.35E-08	2.14E-08	3.67E-04	1.16E-07	3.37E-08
3173	472863.09, 3846877.25	1.42E-04	4.47E-08	1.30E-08	1.53E-04	4.82E-08	1.40E-08	2.42E-04	7.64E-08	2.22E-08
3174	473363.09, 3846877.25	1.48E-04	4.69E-08	1.36E-08	1.60E-04	5.06E-08	1.47E-08	2.54E-04	8.00E-08	2.33E-08
3175	473863.09, 3846877.25	1.52E-04	4.80E-08	1.40E-08	1.64E-04	5.18E-08	1.51E-08	2.59E-04	8.19E-08	2.38E-08
3176	474363.09, 3846877.25	1.54E-04	4.87E-08	1.42E-08	1.66E-04	5.25E-08	1.53E-08	2.63E-04	8.29E-08	2.41E-08
3177	474863.09, 3846877.25	1.69E-04	5.35E-08	1.56E-08	1.83E-04	5.77E-08	1.68E-08	2.89E-04	9.11E-08	2.65E-08
3178	475363.09, 3846877.25	2.01E-04	6.36E-08	1.85E-08	2.17E-04	6.86E-08	2.00E-08	3.44E-04	1.08E-07	3.15E-08
3179	475863.09, 3846877.25	2.63E-04	8.31E-08	2.42E-08	2.84E-04	8.96E-08	2.61E-08	4.50E-04	1.42E-07	4.13E-08
3180	476363.09, 3846877.25	2.77E-04	8.76E-08	2.55E-08	2.99E-04	9.45E-08	2.75E-08	4.74E-04	1.50E-07	4.36E-08
3181	476863.09, 3846877.25	2.50E-04	7.90E-08	2.30E-08	2.70E-04	8.52E-08	2.48E-08	4.27E-04	1.35E-07	3.92E-08
3182	477363.09, 3846877.25	2.17E-04	6.84E-08	1.99E-08	2.34E-04	7.38E-08	2.15E-08	3.70E-04	1.17E-07	3.39E-08
3183	477863.09, 3846877.25	1.87E-04	5.91E-08	1.72E-08	2.02E-04	6.37E-08	1.85E-08	3.19E-04	1.01E-07	2.93E-08
3184	478363.09, 3846877.25	1.70E-04	5.36E-08	1.56E-08	1.83E-04	5.78E-08	1.68E-08	2.88E-04	9.09E-08	2.64E-08
3185	478863.09, 3846877.25	1.67E-04	5.28E-08	1.54E-08	1.80E-04	5.69E-08	1.66E-08	2.84E-04	8.95E-08	2.60E-08
3186	479363.09, 3846877.25	1.58E-04	4.99E-08	1.45E-08	1.70E-04	5.38E-08	1.56E-08	2.69E-04	8.48E-08	2.47E-08
3187	479863.09, 3846877.25	1.24E-04	3.91E-08	1.14E-08	1.34E-04	4.22E-08	1.23E-08	2.10E-04	6.63E-08	1.93E-08
3188	480363.09, 3846877.25	1.06E-04	3.35E-08	9.75E-09	1.14E-04	3.61E-08	1.05E-08	1.80E-04	5.69E-08	1.66E-08
3189	480863.09, 3846877.25	9.96E-05	3.15E-08	9.15E-09	1.07E-04	3.39E-08	9.87E-09	1.70E-04	5.35E-08	1.56E-08
3190	481363.09, 3846877.25	1.01E-04	3.18E-08	9.26E-09	1.09E-04	3.43E-08	9.98E-09	1.71E-04	5.40E-08	1.57E-08
3191	481863.09, 3846877.25	9.72E-05	3.07E-08	8.92E-09	1.05E-04	3.31E-08	9.62E-09	1.65E-04	5.21E-08	1.51E-08
3192	482363.09, 3846877.25	8.53E-05	2.69E-08	7.83E-09	9.20E-05	2.90E-08	8.44E-09	1.45E-04	4.58E-08	1.33E-08
3193	482863.09, 3846877.25	8.24E-05	2.60E-08	7.56E-09	8.88E-05	2.80E-08	8.15E-09	1.40E-04	4.41E-08	1.28E-08
3194	483363.09, 3846877.25	7.95E-05	2.51E-08	7.30E-09	8.57E-05	2.71E-08	7.87E-09	1.35E-04	4.26E-08	1.24E-08
3195	483863.09, 3846877.25	7.68E-05	2.43E-08	7.05E-09	8.29E-05	2.62E-08	7.61E-09	1.31E-04	4.12E-08	1.20E-08
3196	484363.09, 3846877.25	7.43E-05	2.35E-08	6.82E-09	8.01E-05	2.53E-08	7.35E-09	1.26E-04	3.98E-08	1.16E-08
3197	484863.09, 3846877.25	7.15E-05	2.26E-08	6.56E-09	7.71E-05	2.43E-08	7.08E-09	1.21E-04	3.83E-08	1.11E-08
3198	485363.09, 3846877.25	7.06E-05	2.23E-08	6.48E-09	7.62E-05	2.40E-08	6.99E-09	1.20E-04	3.79E-08	1.10E-08
3199	485863.09, 3846877.25	6.68E-05	2.11E-08	6.13E-09	7.20E-05	2.27E-08	6.61E-09	1.14E-04	3.60E-08	1.05E-08
3200	486363.09, 3846877.25	6.72E-05	2.12E-08	6.17E-09	7.25E-05	2.29E-08	6.66E-09	1.14E-04	3.61E-08	1.05E-08
3201	486863.09, 3846877.25	6.00E-05	1.89E-08	5.51E-09	6.48E-05	2.04E-08	5.94E-09	1.02E-04	3.23E-08	9.40E-09
3202	487363.09, 3846877.25	5.99E-05	1.89E-08	5.50E-09	6.46E-05	2.04E-08	5.93E-09	1.02E-04	3.23E-08	9.38E-09
3203	487863.09, 3846877.25	5.91E-05	1.87E-08	5.43E-09	6.38E-05	2.01E-08	5.86E-09	1.01E-04	3.19E-08	9.29E-09
3204	488363.09, 3846877.25	5.84E-05	1.84E-08	5.36E-09	6.31E-05	1.99E-08	5.79E-09	1.00E-04	3.16E-08	9.20E-09
3205	488863.09, 3846877.25	5.94E-05	1.87E-08	5.45E-09	6.41E-05	2.02E-08	5.88E-09	1.02E-04	3.22E-08	9.37E-09
3206	489363.09, 3846877.25	6.03E-05	1.90E-08	5.54E-09	6.52E-05	2.06E-08	5.98E-09	1.04E-04	3.28E-08	9.54E-09
3207	489863.09, 3846877.25	5.99E-05	1.89E-08	5.50E-09	6.47E-05	2.04E-08	5.94E-09	1.03E-04	3.26E-08	9.47E-09
3208	490363.09, 3846877.25	5.65E-05	1.78E-08	5.19E-09	6.11E-05	1.93E-08	5.61E-09	9.77E-05	3.08E-08	8.97E-09
3209	490863.09, 3846877.25	5.72E-05	1.81E-08	5.25E-09	6.18E-05	1.95E-08	5.67E-09	9.90E-05	3.12E-08	9.09E-09
3210	491363.09, 3846877.25	5.87E-05	1.85E-08	5.39E-09	6.35E-05	2.00E-08	5.83E-09	1.02E-04	3.21E-08	9.34E-09
3211	491863.09, 3846877.25	5.90E-05	1.86E-08	5.42E-09	6.38E-05	2.01E-08	5.85E-09	1.02E-04	3.23E-08	9.39E-09
3212	492363.09, 3846877.25	6.59E-05	2.08E-08	6.05E-09	7.12E-05	2.25E-08	6.54E-09	1.14E-04	3.60E-08	1.05E-08
3213	492863.09, 3846877.25	6.93E-05	2.19E-08	6.36E-09	7.49E-05	2.36E-08	6.87E-09	1.20E-04	3.78E-08	1.10E-08
3214	493363.09, 3846877.25	7.46E-05	2.36E-08	6.85E-09	8.06E-05	2.55E-08	7.40E-09	1.29E-04	4.07E-08	1.18E-08
3215	493863.09, 3846877.25	7.95E-05	2.51E-08	7.30E-09	8.60E-05	2.71E-08	7.89E-09	1.38E-04	4.34E-08	1.26E-08
3216	494363.09, 3846877.25	8.45E-05	2.67E-08	7.75E-09	9.13E-05	2.88E-08	8.38E-09	1.46E-04	4.61E-08	1.34E-08
3217	494863.09, 3846877.25	9.02E-05	2.85E-08	8.28E-09	9.75E-05	3.08E-08	8.95E-09	1.56E-04	4.93E-08	1.43E-08
3218	495363.09, 3846877.25	9.63E-05	3.04E-08	8.84E-09	1.04E-04	3.28E-08	9.55E-09	1.67E-04	5.26E-08	1.53E-08
3219	495863.09, 3846877.25	1.02E-04	3.23E-08	9.41E-09	1.11E-04	3.49E-08	1.02E-08	1.77E-04	5.60E-08	1.63E-08
3220	496363.09, 3846877.25	1.09E-04	3.45E-08	1.00E-08	1.18E-04	3.72E-08	1.08E-08	1.89E-04	5.96E-08	1.73E-08
3221	496863.09, 3846877.25	1.18E-04	3.71E-08	1.08E-08	1.27E-04	4.01E-08	1.17E-08	2.03E-04	6.41E-08	1.87E-08
3222	497363.09, 3846877.25	1.28E-04	4.03E-08	1.17E-08	1.38E-04	4.35E-08	1.27E-08	2.21E-04	6.96E-08	2.02E-08
3223	497863.09, 3846877.25	1.37E-04	4.32E-08	1.26E-08	1.48E-04	4.66E-08	1.36E-08	2.36E-04	7.46E-08	2.17E-08
3224	498363.09, 3846877.25	1.42E-04	4.48E-08	1.30E-08	1.53E-04	4.84E-08	1.41E-08	2.45E-04	7.73E-08	2.25E-08
3225	471363.09, 3847377.25	2.46E-04	7.78E-08	2.26E-08	2.66E-04	8.39E-08	2.44E-08	4.21E-04	1.33E-07	3.86E-08
3226	471863.09, 3847377.25	2.49E-04	7.85E-08	2.28E-08	2.68E-04	8.46E-08	2.46E-08	4.24E-04	1.34E-07	3.89E-08
3227	472363.09, 3847377.25	2.50E-04	7.89E-08	2.29E-08	2.70E-04	8.51E-08	2.47E-08	4.25E-04	1.34E-07	3.90E-08
3228	472863.09, 3847377.25	2.39E-04	7.55E-08	2.20E-08	2.58E-04	8.14E-08	2.37E-08	4.07E-04	1.28E-07	3.73E-08
3229	473363.09, 3847377.25	1.89E-04	5.98E-08	1.74E-08	2.04E-04	6.45E-08	1.88E-08	3.23E-04	1.02E-07	2.97E-08

3230 473863.09, 3847377.25	1.82E-04	5.74E-08	1.67E-08	1.96E-04	6.19E-08	1.80E-08	3.10E-04	9.78E-08	2.85E-08
3231 474363.09, 3847377.25	1.81E-04	5.70E-08	1.66E-08	1.95E-04	6.15E-08	1.79E-08	3.08E-04	9.71E-08	2.82E-08
3232 474863.09, 3847377.25	1.73E-04	5.45E-08	1.59E-08	1.86E-04	5.88E-08	1.71E-08	2.94E-04	9.28E-08	2.70E-08
3233 475363.09, 3847377.25	1.80E-04	5.68E-08	1.65E-08	1.94E-04	6.13E-08	1.78E-08	3.07E-04	9.68E-08	2.82E-08
3234 475863.09, 3847377.25	2.42E-04	7.64E-08	2.22E-08	2.61E-04	8.24E-08	2.40E-08	4.13E-04	1.30E-07	3.79E-08
3235 476363.09, 3847377.25	3.23E-04	1.02E-07	2.97E-08	3.49E-04	1.10E-07	3.20E-08	5.53E-04	1.74E-07	5.07E-08
3236 476863.09, 3847377.25	3.10E-04	9.78E-08	2.85E-08	3.34E-04	1.06E-07	3.07E-08	5.30E-04	1.67E-07	4.87E-08
3237 477363.09, 3847377.25	2.81E-04	8.88E-08	2.58E-08	3.04E-04	9.58E-08	2.79E-08	4.80E-04	1.52E-07	4.41E-08
3238 477863.09, 3847377.25	2.38E-04	7.52E-08	2.19E-08	2.57E-04	8.12E-08	2.36E-08	4.07E-04	1.28E-07	3.73E-08
3239 478363.09, 3847377.25	2.11E-04	6.66E-08	1.94E-08	2.28E-04	7.18E-08	2.09E-08	3.59E-04	1.13E-07	3.29E-08
3240 478863.09, 3847377.25	1.99E-04	6.27E-08	1.82E-08	2.14E-04	6.76E-08	1.97E-08	3.37E-04	1.06E-07	3.09E-08
3241 479363.09, 3847377.25	1.62E-04	5.12E-08	1.49E-08	1.75E-04	5.52E-08	1.61E-08	2.75E-04	8.69E-08	2.53E-08
3242 479863.09, 3847377.25	1.20E-04	3.80E-08	1.11E-08	1.30E-04	4.10E-08	1.19E-08	2.05E-04	6.46E-08	1.88E-08
3243 480363.09, 3847377.25	9.16E-05	2.89E-08	8.41E-09	9.88E-05	3.12E-08	9.07E-09	1.56E-04	4.93E-08	1.43E-08
3244 480863.09, 3847377.25	8.39E-05	2.65E-08	7.71E-09	9.06E-05	2.86E-08	8.32E-09	1.43E-04	4.53E-08	1.32E-08
3245 481363.09, 3847377.25	9.05E-05	2.86E-08	8.31E-09	9.76E-05	3.08E-08	8.96E-09	1.54E-04	4.86E-08	1.42E-08
3246 481863.09, 3847377.25	1.06E-04	3.36E-08	9.76E-09	1.15E-04	3.62E-08	1.05E-08	1.80E-04	5.70E-08	1.66E-08
3247 482363.09, 3847377.25	1.02E-04	3.20E-08	9.32E-09	1.09E-04	3.45E-08	1.00E-08	1.72E-04	5.44E-08	1.58E-08
3248 482863.09, 3847377.25	9.51E-05	3.00E-08	8.73E-09	1.02E-04	3.23E-08	9.41E-09	1.61E-04	5.08E-08	1.48E-08
3249 483363.09, 3847377.25	8.97E-05	2.83E-08	8.23E-09	9.67E-05	3.05E-08	8.88E-09	1.52E-04	4.81E-08	1.40E-08
3250 483863.09, 3847377.25	8.63E-05	2.72E-08	7.92E-09	9.30E-05	2.94E-08	8.54E-09	1.47E-04	4.63E-08	1.35E-08
3251 484363.09, 3847377.25	8.69E-05	2.74E-08	7.97E-09	9.36E-05	2.96E-08	8.60E-09	1.47E-04	4.65E-08	1.35E-08
3252 484863.09, 3847377.25	8.24E-05	2.60E-08	7.56E-09	8.88E-05	2.80E-08	8.15E-09	1.40E-04	4.41E-08	1.28E-08
3253 485363.09, 3847377.25	8.01E-05	2.53E-08	7.35E-09	8.63E-05	2.73E-08	7.93E-09	1.36E-04	4.30E-08	1.25E-08
3254 485863.09, 3847377.25	7.88E-05	2.49E-08	7.23E-09	8.50E-05	2.68E-08	7.80E-09	1.34E-04	4.23E-08	1.23E-08
3255 486363.09, 3847377.25	7.73E-05	2.44E-08	7.09E-09	8.33E-05	2.63E-08	7.65E-09	1.31E-04	4.14E-08	1.21E-08
3256 486863.09, 3847377.25	7.05E-05	2.22E-08	6.47E-09	7.60E-05	2.40E-08	6.98E-09	1.20E-04	3.79E-08	1.10E-08
3257 487363.09, 3847377.25	6.99E-05	2.21E-08	6.42E-09	7.54E-05	2.38E-08	6.92E-09	1.19E-04	3.76E-08	1.09E-08
3258 487863.09, 3847377.25	6.65E-05	2.10E-08	6.10E-09	7.17E-05	2.26E-08	6.58E-09	1.14E-04	3.59E-08	1.04E-08
3259 488363.09, 3847377.25	6.60E-05	2.08E-08	6.06E-09	7.13E-05	2.25E-08	6.54E-09	1.13E-04	3.57E-08	1.04E-08
3260 488863.09, 3847377.25	6.70E-05	2.11E-08	6.15E-09	7.23E-05	2.28E-08	6.64E-09	1.15E-04	3.63E-08	1.06E-08
3261 489363.09, 3847377.25	6.83E-05	2.15E-08	6.27E-09	7.37E-05	2.33E-08	6.77E-09	1.17E-04	3.70E-08	1.08E-08
3262 489863.09, 3847377.25	6.74E-05	2.13E-08	6.19E-09	7.28E-05	2.30E-08	6.68E-09	1.16E-04	3.66E-08	1.07E-08
3263 490363.09, 3847377.25	6.66E-05	2.10E-08	6.12E-09	7.20E-05	2.27E-08	6.61E-09	1.15E-04	3.63E-08	1.06E-08
3264 490863.09, 3847377.25	6.82E-05	2.15E-08	6.26E-09	7.37E-05	2.32E-08	6.76E-09	1.18E-04	3.72E-08	1.08E-08
3265 491363.09, 3847377.25	6.93E-05	2.19E-08	6.36E-09	7.49E-05	2.36E-08	6.87E-09	1.20E-04	3.78E-08	1.10E-08
3266 491863.09, 3847377.25	7.48E-05	2.36E-08	6.87E-09	8.08E-05	2.55E-08	7.42E-09	1.29E-04	4.08E-08	1.19E-08
3267 492363.09, 3847377.25	7.67E-05	2.42E-08	7.05E-09	8.29E-05	2.62E-08	7.61E-09	1.33E-04	4.19E-08	1.22E-08
3268 492863.09, 3847377.25	8.23E-05	2.60E-08	7.56E-09	8.90E-05	2.81E-08	8.17E-09	1.42E-04	4.50E-08	1.31E-08
3269 493363.09, 3847377.25	8.73E-05	2.75E-08	8.01E-09	9.43E-05	2.98E-08	8.66E-09	1.51E-04	4.77E-08	1.39E-08
3270 493863.09, 3847377.25	9.05E-05	2.86E-08	8.31E-09	9.78E-05	3.09E-08	8.98E-09	1.57E-04	4.94E-08	1.44E-08
3271 494363.09, 3847377.25	9.42E-05	2.97E-08	8.64E-09	1.02E-04	3.21E-08	9.34E-09	1.63E-04	5.15E-08	1.50E-08
3272 494863.09, 3847377.25	9.99E-05	3.15E-08	9.17E-09	1.08E-04	3.41E-08	9.91E-09	1.73E-04	5.46E-08	1.59E-08
3273 495363.09, 3847377.25	1.05E-04	3.32E-08	9.66E-09	1.14E-04	3.59E-08	1.04E-08	1.82E-04	5.75E-08	1.67E-08
3274 495863.09, 3847377.25	1.12E-04	3.54E-08	1.03E-08	1.21E-04	3.83E-08	1.11E-08	1.94E-04	6.14E-08	1.78E-08
3275 496363.09, 3847377.25	1.19E-04	3.76E-08	1.09E-08	1.29E-04	4.06E-08	1.18E-08	2.06E-04	6.50E-08	1.89E-08
3276 496863.09, 3847377.25	1.30E-04	4.10E-08	1.19E-08	1.40E-04	4.43E-08	1.29E-08	2.25E-04	7.09E-08	2.06E-08
3277 497363.09, 3847377.25	1.43E-04	4.52E-08	1.32E-08	1.55E-04	4.89E-08	1.42E-08	2.48E-04	7.81E-08	2.27E-08
3278 497863.09, 3847377.25	1.59E-04	5.01E-08	1.46E-08	1.72E-04	5.41E-08	1.57E-08	2.74E-04	8.65E-08	2.52E-08
3279 498363.09, 3847377.25	1.67E-04	5.28E-08	1.54E-08	1.81E-04	5.71E-08	1.66E-08	2.89E-04	9.12E-08	2.65E-08
3280 471363.09, 3847877.25	2.68E-04	8.45E-08	2.46E-08	2.89E-04	9.12E-08	2.65E-08	4.58E-04	1.45E-07	4.20E-08
3281 471863.09, 3847877.25	2.73E-04	8.63E-08	2.51E-08	2.95E-04	9.31E-08	2.71E-08	4.67E-04	1.47E-07	4.28E-08
3282 472363.09, 3847877.25	2.75E-04	8.69E-08	2.53E-08	2.97E-04	9.38E-08	2.73E-08	4.70E-04	1.48E-07	4.31E-08
3283 472863.09, 3847877.25	2.76E-04	8.71E-08	2.53E-08	2.98E-04	9.39E-08	2.73E-08	4.70E-04	1.48E-07	4.31E-08
3284 473363.09, 3847877.25	2.77E-04	8.75E-08	2.55E-08	2.99E-04	9.44E-08	2.75E-08	4.71E-04	1.49E-07	4.33E-08
3285 473863.09, 3847877.25	2.60E-04	8.21E-08	2.39E-08	2.80E-04	8.85E-08	2.58E-08	4.42E-04	1.40E-07	4.06E-08
3286 474363.09, 3847877.25	2.13E-04	6.72E-08	1.95E-08	2.30E-04	7.24E-08	2.11E-08	3.63E-04	1.14E-07	3.33E-08
3287 474863.09, 3847877.25	2.12E-04	6.68E-08	1.94E-08	2.28E-04	7.20E-08	2.09E-08	3.60E-04	1.14E-07	3.31E-08
3288 475363.09, 3847877.25	1.93E-04	6.10E-08	1.78E-08	2.09E-04	6.58E-08	1.91E-08	3.29E-04	1.04E-07	3.02E-08
3289 475863.09, 3847877.25	1.98E-04	6.26E-08	1.82E-08	2.14E-04	6.75E-08	1.96E-08	3.38E-04	1.07E-07	3.10E-08
3290 476363.09, 3847877.25	2.99E-04	9.43E-08	2.74E-08	3.22E-04	1.02E-07	2.96E-08	5.09E-04	1.61E-07	4.68E-08

3291	476863.09, 3847877.25	3.64E-04	1.15E-07	3.34E-08	3.93E-04	1.24E-07	3.61E-08	6.22E-04	1.96E-07	5.71E-08
3292	477363.09, 3847877.25	3.61E-04	1.14E-07	3.31E-08	3.89E-04	1.23E-07	3.57E-08	6.16E-04	1.95E-07	5.66E-08
3293	477863.09, 3847877.25	3.15E-04	9.94E-08	2.89E-08	3.40E-04	1.07E-07	3.12E-08	5.37E-04	1.70E-07	4.93E-08
3294	478363.09, 3847877.25	2.69E-04	8.49E-08	2.47E-08	2.90E-04	9.16E-08	2.67E-08	4.59E-04	1.45E-07	4.21E-08
3295	478863.09, 3847877.25	2.33E-04	7.36E-08	2.14E-08	2.51E-04	7.94E-08	2.31E-08	3.96E-04	1.25E-07	3.63E-08
3296	479363.09, 3847877.25	1.63E-04	5.16E-08	1.50E-08	1.76E-04	5.56E-08	1.62E-08	2.78E-04	8.78E-08	2.55E-08
3297	479863.09, 3847877.25	1.05E-04	3.32E-08	9.66E-09	1.14E-04	3.58E-08	1.04E-08	1.80E-04	5.67E-08	1.65E-08
3298	480363.09, 3847877.25	1.07E-04	3.38E-08	9.83E-09	1.16E-04	3.65E-08	1.06E-08	1.82E-04	5.76E-08	1.68E-08
3299	480863.09, 3847877.25	9.71E-05	3.06E-08	8.91E-09	1.05E-04	3.31E-08	9.61E-09	1.66E-04	5.22E-08	1.52E-08
3300	481363.09, 3847877.25	9.84E-05	3.10E-08	9.03E-09	1.06E-04	3.35E-08	9.74E-09	1.68E-04	5.29E-08	1.54E-08
3301	481863.09, 3847877.25	1.23E-04	3.88E-08	1.13E-08	1.33E-04	4.18E-08	1.22E-08	2.09E-04	6.58E-08	1.91E-08
3302	482363.09, 3847877.25	1.16E-04	3.68E-08	1.07E-08	1.26E-04	3.96E-08	1.15E-08	1.98E-04	6.24E-08	1.82E-08
3303	482863.09, 3847877.25	1.07E-04	3.37E-08	9.80E-09	1.15E-04	3.63E-08	1.06E-08	1.81E-04	5.71E-08	1.66E-08
3304	483363.09, 3847877.25	1.01E-04	3.20E-08	9.31E-09	1.09E-04	3.45E-08	1.00E-08	1.72E-04	5.43E-08	1.58E-08
3305	483863.09, 3847877.25	9.90E-05	3.12E-08	9.09E-09	1.07E-04	3.37E-08	9.80E-09	1.68E-04	5.30E-08	1.54E-08
3306	484363.09, 3847877.25	9.85E-05	3.11E-08	9.04E-09	1.06E-04	3.35E-08	9.74E-09	1.67E-04	5.27E-08	1.53E-08
3307	484863.09, 3847877.25	9.52E-05	3.00E-08	8.74E-09	1.03E-04	3.24E-08	9.42E-09	1.62E-04	5.10E-08	1.48E-08
3308	485363.09, 3847877.25	9.38E-05	2.96E-08	8.61E-09	1.01E-04	3.19E-08	9.28E-09	1.59E-04	5.02E-08	1.46E-08
3309	485863.09, 3847877.25	9.24E-05	2.92E-08	8.48E-09	9.96E-05	3.14E-08	9.14E-09	1.57E-04	4.94E-08	1.44E-08
3310	486363.09, 3847877.25	8.63E-05	2.72E-08	7.92E-09	9.30E-05	2.94E-08	8.54E-09	1.47E-04	4.63E-08	1.35E-08
3311	486863.09, 3847877.25	8.15E-05	2.57E-08	7.48E-09	8.79E-05	2.77E-08	8.07E-09	1.39E-04	4.37E-08	1.27E-08
3312	487363.09, 3847877.25	7.91E-05	2.50E-08	7.26E-09	8.53E-05	2.69E-08	7.83E-09	1.35E-04	4.25E-08	1.24E-08
3313	487863.09, 3847877.25	7.60E-05	2.40E-08	6.98E-09	8.21E-05	2.59E-08	7.53E-09	1.30E-04	4.11E-08	1.19E-08
3314	488363.09, 3847877.25	7.60E-05	2.40E-08	6.98E-09	8.20E-05	2.59E-08	7.53E-09	1.30E-04	4.11E-08	1.20E-08
3315	488863.09, 3847877.25	7.73E-05	2.44E-08	7.09E-09	8.34E-05	2.63E-08	7.66E-09	1.33E-04	4.18E-08	1.22E-08
3316	489363.09, 3847877.25	7.92E-05	2.50E-08	7.28E-09	8.56E-05	2.70E-08	7.85E-09	1.36E-04	4.29E-08	1.25E-08
3317	489863.09, 3847877.25	8.33E-05	2.63E-08	7.65E-09	9.00E-05	2.84E-08	8.26E-09	1.43E-04	4.52E-08	1.31E-08
3318	490363.09, 3847877.25	8.50E-05	2.68E-08	7.80E-09	9.18E-05	2.90E-08	8.42E-09	1.46E-04	4.62E-08	1.34E-08
3319	490863.09, 3847877.25	8.54E-05	2.69E-08	7.84E-09	9.22E-05	2.91E-08	8.47E-09	1.47E-04	4.64E-08	1.35E-08
3320	491363.09, 3847877.25	8.45E-05	2.67E-08	7.76E-09	9.13E-05	2.88E-08	8.38E-09	1.46E-04	4.60E-08	1.34E-08
3321	491863.09, 3847877.25	8.77E-05	2.77E-08	8.05E-09	9.48E-05	2.99E-08	8.70E-09	1.51E-04	4.78E-08	1.39E-08
3322	492363.09, 3847877.25	9.25E-05	2.92E-08	8.49E-09	9.99E-05	3.15E-08	9.17E-09	1.60E-04	5.04E-08	1.47E-08
3323	492863.09, 3847877.25	9.68E-05	3.06E-08	8.89E-09	1.05E-04	3.30E-08	9.61E-09	1.67E-04	5.29E-08	1.54E-08
3324	493363.09, 3847877.25	9.78E-05	3.09E-08	8.98E-09	1.06E-04	3.34E-08	9.70E-09	1.69E-04	5.35E-08	1.55E-08
3325	493863.09, 3847877.25	1.01E-04	3.18E-08	9.24E-09	1.09E-04	3.43E-08	9.98E-09	1.74E-04	5.50E-08	1.60E-08
3326	494363.09, 3847877.25	1.06E-04	3.33E-08	9.69E-09	1.14E-04	3.60E-08	1.05E-08	1.83E-04	5.77E-08	1.68E-08
3327	494863.09, 3847877.25	1.12E-04	3.53E-08	1.03E-08	1.21E-04	3.81E-08	1.11E-08	1.94E-04	6.11E-08	1.78E-08
3328	495363.09, 3847877.25	1.16E-04	3.65E-08	1.06E-08	1.25E-04	3.95E-08	1.15E-08	2.01E-04	6.33E-08	1.84E-08
3329	495863.09, 3847877.25	1.12E-04	3.53E-08	1.03E-08	1.21E-04	3.82E-08	1.11E-08	1.94E-04	6.12E-08	1.78E-08
3330	496363.09, 3847877.25	1.31E-04	4.14E-08	1.20E-08	1.42E-04	4.47E-08	1.30E-08	2.27E-04	7.17E-08	2.08E-08
3331	496863.09, 3847877.25	1.42E-04	4.49E-08	1.30E-08	1.54E-04	4.85E-08	1.41E-08	2.46E-04	7.76E-08	2.26E-08
3332	497363.09, 3847877.25	1.57E-04	4.97E-08	1.45E-08	1.70E-04	5.37E-08	1.56E-08	2.72E-04	8.59E-08	2.50E-08
3333	497863.09, 3847877.25	1.83E-04	5.79E-08	1.68E-08	1.98E-04	6.25E-08	1.82E-08	3.17E-04	1.00E-07	2.91E-08
3334	498363.09, 3847877.25	1.98E-04	6.26E-08	1.82E-08	2.14E-04	6.76E-08	1.97E-08	3.43E-04	1.08E-07	3.14E-08
3335	471363.09, 3848377.25	2.87E-04	9.04E-08	2.63E-08	3.09E-04	9.76E-08	2.84E-08	4.90E-04	1.55E-07	4.50E-08
3336	471863.09, 3848377.25	2.94E-04	9.29E-08	2.70E-08	3.17E-04	1.00E-07	2.91E-08	5.03E-04	1.59E-07	4.62E-08
3337	472363.09, 3848377.25	2.99E-04	9.43E-08	2.74E-08	3.22E-04	1.02E-07	2.96E-08	5.11E-04	1.61E-07	4.69E-08
3338	472863.09, 3848377.25	3.04E-04	9.60E-08	2.79E-08	3.28E-04	1.04E-07	3.01E-08	5.19E-04	1.64E-07	4.76E-08
3339	473363.09, 3848377.25	3.05E-04	9.63E-08	2.80E-08	3.29E-04	1.04E-07	3.02E-08	5.20E-04	1.64E-07	4.78E-08
3340	473863.09, 3848377.25	3.07E-04	9.69E-08	2.82E-08	3.31E-04	1.04E-07	3.04E-08	5.22E-04	1.65E-07	4.79E-08
3341	474363.09, 3848377.25	2.96E-04	9.35E-08	2.72E-08	3.20E-04	1.01E-07	2.93E-08	5.04E-04	1.59E-07	4.63E-08
3342	474863.09, 3848377.25	2.54E-04	8.00E-08	2.33E-08	2.73E-04	8.63E-08	2.51E-08	4.32E-04	1.36E-07	3.96E-08
3343	475363.09, 3848377.25	2.59E-04	8.18E-08	2.38E-08	2.80E-04	8.82E-08	2.57E-08	4.41E-04	1.39E-07	4.05E-08
3344	475863.09, 3848377.25	2.27E-04	7.15E-08	2.08E-08	2.44E-04	7.72E-08	2.24E-08	3.85E-04	1.22E-07	3.54E-08
3345	476363.09, 3848377.25	2.22E-04	7.02E-08	2.04E-08	2.40E-04	7.57E-08	2.20E-08	3.79E-04	1.19E-07	3.47E-08
3346	476863.09, 3848377.25	3.54E-04	1.12E-07	3.25E-08	3.82E-04	1.21E-07	3.51E-08	6.03E-04	1.90E-07	5.54E-08
3347	477363.09, 3848377.25	4.05E-04	1.28E-07	3.72E-08	4.37E-04	1.38E-07	4.01E-08	6.92E-04	2.19E-07	6.36E-08
3348	477863.09, 3848377.25	4.06E-04	1.28E-07	3.72E-08	4.38E-04	1.38E-07	4.02E-08	6.93E-04	2.19E-07	6.37E-08
3349	478363.09, 3848377.25	3.44E-04	1.09E-07	3.16E-08	3.71E-04	1.17E-07	3.41E-08	5.87E-04	1.85E-07	5.39E-08
3350	478863.09, 3848377.25	2.79E-04	8.80E-08	2.56E-08	3.01E-04	9.49E-08	2.76E-08	4.75E-04	1.50E-07	4.36E-08
3351	479363.09, 3848377.25	1.92E-04	6.05E-08	1.76E-08	2.07E-04	6.53E-08	1.90E-08	3.26E-04	1.03E-07	3.00E-08

3352	479863.09, 3848377.25	8.59E-05	2.71E-08	7.89E-09	9.28E-05	2.93E-08	8.52E-09	1.48E-04	4.67E-08	1.36E-08
3353	480363.09, 3848377.25	1.10E-04	3.47E-08	1.01E-08	1.19E-04	3.75E-08	1.09E-08	1.88E-04	5.93E-08	1.72E-08
3354	480863.09, 3848377.25	1.40E-04	4.43E-08	1.29E-08	1.51E-04	4.78E-08	1.39E-08	2.39E-04	7.53E-08	2.19E-08
3355	481363.09, 3848377.25	1.40E-04	4.43E-08	1.29E-08	1.51E-04	4.77E-08	1.39E-08	2.38E-04	7.52E-08	2.19E-08
3356	481863.09, 3848377.25	1.44E-04	4.53E-08	1.32E-08	1.55E-04	4.89E-08	1.42E-08	2.44E-04	7.69E-08	2.24E-08
3357	482363.09, 3848377.25	1.43E-04	4.50E-08	1.31E-08	1.54E-04	4.86E-08	1.41E-08	2.42E-04	7.65E-08	2.22E-08
3358	482863.09, 3848377.25	1.25E-04	3.93E-08	1.14E-08	1.34E-04	4.24E-08	1.23E-08	2.11E-04	6.66E-08	1.94E-08
3359	483363.09, 3848377.25	1.20E-04	3.78E-08	1.10E-08	1.29E-04	4.08E-08	1.19E-08	2.03E-04	6.41E-08	1.86E-08
3360	483863.09, 3848377.25	1.11E-04	3.50E-08	1.02E-08	1.20E-04	3.77E-08	1.10E-08	1.88E-04	5.93E-08	1.73E-08
3361	484363.09, 3848377.25	1.07E-04	3.38E-08	9.84E-09	1.16E-04	3.65E-08	1.06E-08	1.82E-04	5.73E-08	1.67E-08
3362	484863.09, 3848377.25	1.13E-04	3.56E-08	1.03E-08	1.21E-04	3.83E-08	1.12E-08	1.91E-04	6.03E-08	1.75E-08
3363	485363.09, 3848377.25	1.08E-04	3.42E-08	9.96E-09	1.17E-04	3.69E-08	1.07E-08	1.84E-04	5.80E-08	1.69E-08
3364	485863.09, 3848377.25	1.06E-04	3.33E-08	9.70E-09	1.14E-04	3.59E-08	1.05E-08	1.79E-04	5.66E-08	1.64E-08
3365	486363.09, 3848377.25	1.00E-04	3.16E-08	9.18E-09	1.08E-04	3.40E-08	9.90E-09	1.70E-04	5.35E-08	1.56E-08
3366	486863.09, 3848377.25	9.36E-05	2.95E-08	8.59E-09	1.01E-04	3.19E-08	9.27E-09	1.59E-04	5.02E-08	1.46E-08
3367	487363.09, 3848377.25	8.78E-05	2.77E-08	8.06E-09	9.47E-05	2.99E-08	8.69E-09	1.50E-04	4.72E-08	1.37E-08
3368	487863.09, 3848377.25	8.79E-05	2.77E-08	8.07E-09	9.48E-05	2.99E-08	8.70E-09	1.50E-04	4.74E-08	1.38E-08
3369	488363.09, 3848377.25	8.84E-05	2.79E-08	8.12E-09	9.54E-05	3.01E-08	8.76E-09	1.51E-04	4.78E-08	1.39E-08
3370	488863.09, 3848377.25	9.04E-05	2.85E-08	8.30E-09	9.76E-05	3.08E-08	8.96E-09	1.55E-04	4.89E-08	1.42E-08
3371	489363.09, 3848377.25	9.34E-05	2.95E-08	8.57E-09	1.01E-04	3.18E-08	9.25E-09	1.60E-04	5.05E-08	1.47E-08
3372	489863.09, 3848377.25	1.00E-04	3.15E-08	9.18E-09	1.08E-04	3.41E-08	9.91E-09	1.71E-04	5.41E-08	1.57E-08
3373	490363.09, 3848377.25	1.01E-04	3.20E-08	9.30E-09	1.09E-04	3.45E-08	1.00E-08	1.74E-04	5.49E-08	1.60E-08
3374	490863.09, 3848377.25	1.00E-04	3.17E-08	9.22E-09	1.08E-04	3.42E-08	9.96E-09	1.73E-04	5.46E-08	1.59E-08
3375	491363.09, 3848377.25	1.03E-04	3.24E-08	9.41E-09	1.11E-04	3.50E-08	1.02E-08	1.77E-04	5.58E-08	1.62E-08
3376	491863.09, 3848377.25	1.06E-04	3.33E-08	9.69E-09	1.14E-04	3.60E-08	1.05E-08	1.82E-04	5.75E-08	1.67E-08
3377	492363.09, 3848377.25	1.06E-04	3.34E-08	9.73E-09	1.15E-04	3.61E-08	1.05E-08	1.83E-04	5.78E-08	1.68E-08
3378	492863.09, 3848377.25	1.06E-04	3.34E-08	9.70E-09	1.14E-04	3.60E-08	1.05E-08	1.83E-04	5.77E-08	1.68E-08
3379	493363.09, 3848377.25	1.09E-04	3.45E-08	1.00E-08	1.18E-04	3.73E-08	1.09E-08	1.90E-04	5.99E-08	1.74E-08
3380	493863.09, 3848377.25	1.14E-04	3.60E-08	1.05E-08	1.23E-04	3.89E-08	1.13E-08	1.98E-04	6.24E-08	1.81E-08
3381	494363.09, 3848377.25	1.18E-04	3.72E-08	1.08E-08	1.27E-04	4.02E-08	1.17E-08	2.04E-04	6.44E-08	1.87E-08
3382	494863.09, 3848377.25	1.25E-04	3.96E-08	1.15E-08	1.36E-04	4.28E-08	1.25E-08	2.18E-04	6.87E-08	2.00E-08
3383	495363.09, 3848377.25	1.25E-04	3.96E-08	1.15E-08	1.35E-04	4.28E-08	1.24E-08	2.17E-04	6.86E-08	2.00E-08
3384	495863.09, 3848377.25	1.31E-04	4.12E-08	1.20E-08	1.41E-04	4.46E-08	1.30E-08	2.27E-04	7.15E-08	2.08E-08
3385	496363.09, 3848377.25	1.44E-04	4.54E-08	1.32E-08	1.55E-04	4.90E-08	1.43E-08	2.49E-04	7.86E-08	2.29E-08
3386	496863.09, 3848377.25	1.48E-04	4.67E-08	1.36E-08	1.60E-04	5.04E-08	1.47E-08	2.56E-04	8.08E-08	2.35E-08
3387	497363.09, 3848377.25	1.68E-04	5.30E-08	1.54E-08	1.81E-04	5.72E-08	1.66E-08	2.91E-04	9.17E-08	2.67E-08
3388	497863.09, 3848377.25	2.20E-04	6.94E-08	2.02E-08	2.37E-04	7.49E-08	2.18E-08	3.80E-04	1.20E-07	3.49E-08
3389	498363.09, 3848377.25	2.32E-04	7.33E-08	2.13E-08	2.51E-04	7.92E-08	2.30E-08	4.01E-04	1.27E-07	3.68E-08
3390	471363.09, 3848877.25	2.88E-04	9.10E-08	2.65E-08	3.11E-04	9.82E-08	2.86E-08	4.92E-04	1.55E-07	4.52E-08
3391	471863.09, 3848877.25	3.09E-04	9.74E-08	2.83E-08	3.33E-04	1.05E-07	3.06E-08	5.27E-04	1.66E-07	4.84E-08
3392	472363.09, 3848877.25	3.22E-04	1.02E-07	2.96E-08	3.48E-04	1.10E-07	3.19E-08	5.51E-04	1.74E-07	5.06E-08
3393	472863.09, 3848877.25	3.31E-04	1.05E-07	3.04E-08	3.57E-04	1.13E-07	3.28E-08	5.66E-04	1.79E-07	5.20E-08
3394	473363.09, 3848877.25	3.40E-04	1.07E-07	3.12E-08	3.66E-04	1.16E-07	3.36E-08	5.80E-04	1.83E-07	5.33E-08
3395	473863.09, 3848877.25	3.42E-04	1.08E-07	3.14E-08	3.69E-04	1.16E-07	3.39E-08	5.84E-04	1.84E-07	5.36E-08
3396	474363.09, 3848877.25	3.46E-04	1.09E-07	3.18E-08	3.73E-04	1.18E-07	3.43E-08	5.89E-04	1.86E-07	5.41E-08
3397	474863.09, 3848877.25	3.27E-04	1.03E-07	3.00E-08	3.53E-04	1.11E-07	3.24E-08	5.56E-04	1.76E-07	5.11E-08
3398	475363.09, 3848877.25	3.11E-04	9.82E-08	2.86E-08	3.36E-04	1.06E-07	3.08E-08	5.29E-04	1.67E-07	4.86E-08
3399	475863.09, 3848877.25	3.07E-04	9.68E-08	2.82E-08	3.31E-04	1.04E-07	3.04E-08	5.21E-04	1.65E-07	4.79E-08
3400	476363.09, 3848877.25	2.77E-04	8.73E-08	2.54E-08	2.98E-04	9.41E-08	2.74E-08	4.70E-04	1.48E-07	4.31E-08
3401	476863.09, 3848877.25	2.78E-04	8.79E-08	2.56E-08	3.00E-04	9.48E-08	2.76E-08	4.73E-04	1.49E-07	4.34E-08
3402	477363.09, 3848877.25	4.21E-04	1.33E-07	3.86E-08	4.54E-04	1.43E-07	4.16E-08	7.16E-04	2.26E-07	6.58E-08
3403	477863.09, 3848877.25	4.76E-04	1.50E-07	4.37E-08	5.14E-04	1.62E-07	4.71E-08	8.13E-04	2.57E-07	7.47E-08
3404	478363.09, 3848877.25	4.70E-04	1.48E-07	4.31E-08	5.07E-04	1.60E-07	4.65E-08	8.03E-04	2.53E-07	7.37E-08
3405	478863.09, 3848877.25	3.77E-04	1.19E-07	3.46E-08	4.07E-04	1.28E-07	3.74E-08	6.43E-04	2.03E-07	5.90E-08
3406	479363.09, 3848877.25	2.84E-04	8.95E-08	2.60E-08	3.06E-04	9.65E-08	2.81E-08	4.83E-04	1.52E-07	4.43E-08
3407	479863.09, 3848877.25	2.11E-04	6.67E-08	1.94E-08	2.28E-04	7.20E-08	2.09E-08	3.60E-04	1.14E-07	3.30E-08
3408	480363.09, 3848877.25	2.15E-04	6.78E-08	1.97E-08	2.32E-04	7.31E-08	2.13E-08	3.65E-04	1.15E-07	3.35E-08
3409	480863.09, 3848877.25	2.12E-04	6.71E-08	1.95E-08	2.29E-04	7.23E-08	2.10E-08	3.60E-04	1.14E-07	3.31E-08
3410	481363.09, 3848877.25	1.96E-04	6.19E-08	1.80E-08	2.11E-04	6.67E-08	1.94E-08	3.33E-04	1.05E-07	3.06E-08
3411	481863.09, 3848877.25	1.69E-04	5.32E-08	1.55E-08	1.82E-04	5.73E-08	1.67E-08	2.86E-04	9.02E-08	2.62E-08
3412	482363.09, 3848877.25	1.44E-04	4.53E-08	1.32E-08	1.55E-04	4.88E-08	1.42E-08	2.44E-04	7.69E-08	2.24E-08

3413 482863.09, 3848877.25	1.24E-04	3.91E-08	1.14E-08	1.34E-04	4.22E-08	1.23E-08	2.10E-04	6.64E-08	1.93E-08
3414 483363.09, 3848877.25	1.12E-04	3.52E-08	1.02E-08	1.20E-04	3.80E-08	1.10E-08	1.90E-04	5.98E-08	1.74E-08
3415 483863.09, 3848877.25	1.09E-04	3.43E-08	9.97E-09	1.17E-04	3.69E-08	1.07E-08	1.85E-04	5.82E-08	1.69E-08
3416 484363.09, 3848877.25	1.21E-04	3.81E-08	1.11E-08	1.30E-04	4.10E-08	1.19E-08	2.04E-04	6.45E-08	1.88E-08
3417 484863.09, 3848877.25	1.33E-04	4.20E-08	1.22E-08	1.44E-04	4.53E-08	1.32E-08	2.26E-04	7.12E-08	2.07E-08
3418 485363.09, 3848877.25	1.27E-04	4.01E-08	1.17E-08	1.37E-04	4.32E-08	1.26E-08	2.15E-04	6.79E-08	1.97E-08
3419 485863.09, 3848877.25	1.22E-04	3.86E-08	1.12E-08	1.32E-04	4.16E-08	1.21E-08	2.07E-04	6.54E-08	1.90E-08
3420 486363.09, 3848877.25	1.13E-04	3.56E-08	1.03E-08	1.21E-04	3.83E-08	1.12E-08	1.91E-04	6.04E-08	1.76E-08
3421 486863.09, 3848877.25	1.04E-04	3.27E-08	9.53E-09	1.12E-04	3.53E-08	1.03E-08	1.76E-04	5.57E-08	1.62E-08
3422 487363.09, 3848877.25	1.04E-04	3.30E-08	9.59E-09	1.13E-04	3.55E-08	1.03E-08	1.78E-04	5.62E-08	1.63E-08
3423 487863.09, 3848877.25	1.04E-04	3.27E-08	9.52E-09	1.12E-04	3.53E-08	1.03E-08	1.77E-04	5.59E-08	1.63E-08
3424 488363.09, 3848877.25	1.06E-04	3.33E-08	9.70E-09	1.14E-04	3.60E-08	1.05E-08	1.81E-04	5.70E-08	1.66E-08
3425 488863.09, 3848877.25	1.07E-04	3.39E-08	9.85E-09	1.16E-04	3.66E-08	1.06E-08	1.84E-04	5.80E-08	1.69E-08
3426 489363.09, 3848877.25	1.12E-04	3.54E-08	1.03E-08	1.21E-04	3.82E-08	1.11E-08	1.92E-04	6.07E-08	1.77E-08
3427 489863.09, 3848877.25	1.18E-04	3.72E-08	1.08E-08	1.27E-04	4.02E-08	1.17E-08	2.02E-04	6.39E-08	1.86E-08
3428 490363.09, 3848877.25	1.18E-04	3.72E-08	1.08E-08	1.27E-04	4.02E-08	1.17E-08	2.03E-04	6.40E-08	1.86E-08
3429 490863.09, 3848877.25	1.18E-04	3.73E-08	1.08E-08	1.28E-04	4.03E-08	1.17E-08	2.04E-04	6.42E-08	1.87E-08
3430 491363.09, 3848877.25	1.22E-04	3.86E-08	1.12E-08	1.32E-04	4.17E-08	1.21E-08	2.11E-04	6.66E-08	1.94E-08
3431 491863.09, 3848877.25	1.22E-04	3.85E-08	1.12E-08	1.32E-04	4.16E-08	1.21E-08	2.11E-04	6.66E-08	1.94E-08
3432 492363.09, 3848877.25	1.22E-04	3.84E-08	1.12E-08	1.32E-04	4.15E-08	1.21E-08	2.11E-04	6.65E-08	1.93E-08
3433 492863.09, 3848877.25	1.20E-04	3.77E-08	1.10E-08	1.29E-04	4.08E-08	1.19E-08	2.07E-04	6.55E-08	1.90E-08
3434 493363.09, 3848877.25	1.18E-04	3.73E-08	1.08E-08	1.28E-04	4.03E-08	1.17E-08	2.05E-04	6.47E-08	1.88E-08
3435 493863.09, 3848877.25	1.26E-04	3.99E-08	1.16E-08	1.37E-04	4.31E-08	1.25E-08	2.19E-04	6.92E-08	2.01E-08
3436 494363.09, 3848877.25	1.33E-04	4.19E-08	1.22E-08	1.44E-04	4.53E-08	1.32E-08	2.31E-04	7.28E-08	2.12E-08
3437 494863.09, 3848877.25	1.44E-04	4.54E-08	1.32E-08	1.55E-04	4.90E-08	1.43E-08	2.49E-04	7.87E-08	2.29E-08
3438 495363.09, 3848877.25	1.53E-04	4.82E-08	1.40E-08	1.65E-04	5.21E-08	1.51E-08	2.64E-04	8.35E-08	2.43E-08
3439 495863.09, 3848877.25	1.50E-04	4.72E-08	1.37E-08	1.62E-04	5.11E-08	1.48E-08	2.59E-04	8.19E-08	2.38E-08
3440 496363.09, 3848877.25	1.58E-04	5.00E-08	1.45E-08	1.71E-04	5.40E-08	1.57E-08	2.74E-04	8.66E-08	2.52E-08
3441 496863.09, 3848877.25	1.79E-04	5.66E-08	1.65E-08	1.94E-04	6.12E-08	1.78E-08	3.10E-04	9.80E-08	2.85E-08
3442 497363.09, 3848877.25	2.24E-04	7.08E-08	2.06E-08	2.42E-04	7.65E-08	2.23E-08	3.88E-04	1.22E-07	3.56E-08
3443 497863.09, 3848877.25	2.51E-04	7.92E-08	2.30E-08	2.71E-04	8.55E-08	2.49E-08	4.33E-04	1.37E-07	3.98E-08
3444 498363.09, 3848877.25	2.74E-04	8.64E-08	2.51E-08	2.96E-04	9.33E-08	2.72E-08	4.73E-04	1.49E-07	4.34E-08
3445 471363.09, 3849377.25	2.71E-04	8.56E-08	2.49E-08	2.93E-04	9.23E-08	2.69E-08	4.62E-04	1.46E-07	4.25E-08
3446 471863.09, 3849377.25	3.04E-04	9.61E-08	2.80E-08	3.28E-04	1.04E-07	3.02E-08	5.19E-04	1.64E-07	4.77E-08
3447 472363.09, 3849377.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.61E-04	1.77E-07	5.15E-08
3448 472863.09, 3849377.25	3.50E-04	1.11E-07	3.21E-08	3.78E-04	1.19E-07	3.47E-08	5.98E-04	1.89E-07	5.49E-08
3449 473363.09, 3849377.25	3.66E-04	1.16E-07	3.36E-08	3.95E-04	1.25E-07	3.63E-08	6.26E-04	1.98E-07	5.75E-08
3450 473863.09, 3849377.25	3.78E-04	1.19E-07	3.47E-08	4.07E-04	1.29E-07	3.74E-08	6.46E-04	2.04E-07	5.93E-08
3451 474363.09, 3849377.25	3.85E-04	1.21E-07	3.53E-08	4.15E-04	1.31E-07	3.81E-08	6.57E-04	2.07E-07	6.03E-08
3452 474863.09, 3849377.25	3.90E-04	1.23E-07	3.58E-08	4.21E-04	1.33E-07	3.86E-08	6.65E-04	2.10E-07	6.10E-08
3453 475363.09, 3849377.25	3.88E-04	1.23E-07	3.57E-08	4.19E-04	1.32E-07	3.85E-08	6.60E-04	2.08E-07	6.06E-08
3454 475863.09, 3849377.25	3.89E-04	1.23E-07	3.57E-08	4.20E-04	1.32E-07	3.85E-08	6.60E-04	2.08E-07	6.06E-08
3455 476363.09, 3849377.25	3.79E-04	1.20E-07	3.48E-08	4.08E-04	1.29E-07	3.75E-08	6.42E-04	2.03E-07	5.90E-08
3456 476863.09, 3849377.25	3.52E-04	1.11E-07	3.23E-08	3.80E-04	1.20E-07	3.49E-08	5.97E-04	1.88E-07	5.48E-08
3457 477363.09, 3849377.25	3.62E-04	1.14E-07	3.33E-08	3.91E-04	1.23E-07	3.59E-08	6.15E-04	1.94E-07	5.64E-08
3458 477863.09, 3849377.25	4.57E-04	1.44E-07	4.20E-08	4.93E-04	1.56E-07	4.53E-08	7.79E-04	2.46E-07	7.15E-08
3459 478363.09, 3849377.25	5.54E-04	1.75E-07	5.09E-08	5.98E-04	1.89E-07	5.49E-08	9.47E-04	2.99E-07	8.69E-08
3460 478863.09, 3849377.25	5.00E-04	1.58E-07	4.59E-08	5.40E-04	1.70E-07	4.96E-08	8.55E-04	2.70E-07	7.85E-08
3461 479363.09, 3849377.25	4.17E-04	1.32E-07	3.83E-08	4.50E-04	1.42E-07	4.13E-08	7.11E-04	2.24E-07	6.53E-08
3462 479863.09, 3849377.25	3.02E-04	9.52E-08	2.77E-08	3.25E-04	1.03E-07	2.99E-08	5.13E-04	1.62E-07	4.71E-08
3463 480363.09, 3849377.25	3.23E-04	1.02E-07	2.97E-08	3.49E-04	1.10E-07	3.20E-08	5.48E-04	1.73E-07	5.04E-08
3464 480863.09, 3849377.25	2.88E-04	9.09E-08	2.64E-08	3.10E-04	9.79E-08	2.85E-08	4.87E-04	1.54E-07	4.47E-08
3465 481363.09, 3849377.25	2.30E-04	7.25E-08	2.11E-08	2.48E-04	7.82E-08	2.27E-08	3.90E-04	1.23E-07	3.58E-08
3466 481863.09, 3849377.25	1.66E-04	5.24E-08	1.52E-08	1.79E-04	5.65E-08	1.64E-08	2.82E-04	8.91E-08	2.59E-08
3467 482363.09, 3849377.25	1.50E-04	4.72E-08	1.37E-08	1.61E-04	5.09E-08	1.48E-08	2.54E-04	8.03E-08	2.33E-08
3468 482863.09, 3849377.25	1.27E-04	4.01E-08	1.17E-08	1.37E-04	4.33E-08	1.26E-08	2.16E-04	6.83E-08	1.99E-08
3469 483363.09, 3849377.25	1.18E-04	3.72E-08	1.08E-08	1.27E-04	4.01E-08	1.17E-08	2.01E-04	6.33E-08	1.84E-08
3470 483863.09, 3849377.25	1.03E-04	3.26E-08	9.48E-09	1.11E-04	3.52E-08	1.02E-08	1.76E-04	5.55E-08	1.62E-08
3471 484363.09, 3849377.25	1.33E-04	4.20E-08	1.22E-08	1.43E-04	4.53E-08	1.32E-08	2.25E-04	7.12E-08	2.07E-08
3472 484863.09, 3849377.25	1.56E-04	4.92E-08	1.43E-08	1.68E-04	5.30E-08	1.54E-08	2.64E-04	8.32E-08	2.42E-08
3473 485363.09, 3849377.25	1.51E-04	4.75E-08	1.38E-08	1.62E-04	5.12E-08	1.49E-08	2.55E-04	8.04E-08	2.34E-08

3474	485863.09, 3849377.25	1.20E-04	3.79E-08	1.10E-08	1.30E-04	4.09E-08	1.19E-08	2.04E-04	6.44E-08	1.87E-08
3475	486363.09, 3849377.25	1.05E-04	3.30E-08	9.60E-09	1.13E-04	3.56E-08	1.04E-08	1.78E-04	5.62E-08	1.64E-08
3476	486863.09, 3849377.25	1.20E-04	3.78E-08	1.10E-08	1.29E-04	4.07E-08	1.18E-08	2.04E-04	6.43E-08	1.87E-08
3477	487363.09, 3849377.25	1.25E-04	3.95E-08	1.15E-08	1.35E-04	4.26E-08	1.24E-08	2.14E-04	6.75E-08	1.96E-08
3478	487863.09, 3849377.25	1.25E-04	3.94E-08	1.15E-08	1.35E-04	4.26E-08	1.24E-08	2.14E-04	6.74E-08	1.96E-08
3479	488363.09, 3849377.25	1.27E-04	4.01E-08	1.17E-08	1.37E-04	4.33E-08	1.26E-08	2.17E-04	6.85E-08	1.99E-08
3480	488863.09, 3849377.25	1.32E-04	4.17E-08	1.21E-08	1.42E-04	4.50E-08	1.31E-08	2.26E-04	7.12E-08	2.07E-08
3481	489363.09, 3849377.25	1.37E-04	4.32E-08	1.26E-08	1.48E-04	4.67E-08	1.36E-08	2.35E-04	7.41E-08	2.15E-08
3482	489863.09, 3849377.25	1.41E-04	4.45E-08	1.29E-08	1.52E-04	4.81E-08	1.40E-08	2.42E-04	7.64E-08	2.22E-08
3483	490363.09, 3849377.25	1.41E-04	4.46E-08	1.30E-08	1.53E-04	4.81E-08	1.40E-08	2.43E-04	7.67E-08	2.23E-08
3484	490863.09, 3849377.25	1.44E-04	4.53E-08	1.32E-08	1.55E-04	4.90E-08	1.42E-08	2.48E-04	7.81E-08	2.27E-08
3485	491363.09, 3849377.25	1.49E-04	4.69E-08	1.37E-08	1.61E-04	5.07E-08	1.48E-08	2.57E-04	8.11E-08	2.36E-08
3486	491863.09, 3849377.25	1.49E-04	4.69E-08	1.37E-08	1.61E-04	5.07E-08	1.48E-08	2.57E-04	8.12E-08	2.36E-08
3487	492363.09, 3849377.25	1.49E-04	4.71E-08	1.37E-08	1.61E-04	5.09E-08	1.48E-08	2.58E-04	8.15E-08	2.37E-08
3488	492863.09, 3849377.25	1.42E-04	4.50E-08	1.31E-08	1.54E-04	4.86E-08	1.41E-08	2.47E-04	7.80E-08	2.27E-08
3489	493363.09, 3849377.25	1.45E-04	4.59E-08	1.34E-08	1.57E-04	4.96E-08	1.44E-08	2.52E-04	7.96E-08	2.32E-08
3490	493863.09, 3849377.25	1.51E-04	4.78E-08	1.39E-08	1.64E-04	5.17E-08	1.50E-08	2.63E-04	8.29E-08	2.41E-08
3491	494363.09, 3849377.25	1.63E-04	5.14E-08	1.50E-08	1.76E-04	5.56E-08	1.62E-08	2.83E-04	8.92E-08	2.60E-08
3492	494863.09, 3849377.25	1.89E-04	5.95E-08	1.73E-08	2.04E-04	6.43E-08	1.87E-08	3.27E-04	1.03E-07	3.00E-08
3493	495363.09, 3849377.25	2.04E-04	6.43E-08	1.87E-08	2.20E-04	6.95E-08	2.02E-08	3.53E-04	1.11E-07	3.24E-08
3494	495863.09, 3849377.25	1.77E-04	5.58E-08	1.62E-08	1.91E-04	6.04E-08	1.76E-08	3.07E-04	9.68E-08	2.81E-08
3495	496363.09, 3849377.25	1.79E-04	5.66E-08	1.65E-08	1.94E-04	6.12E-08	1.78E-08	3.11E-04	9.81E-08	2.85E-08
3496	496863.09, 3849377.25	2.34E-04	7.37E-08	2.14E-08	2.52E-04	7.96E-08	2.32E-08	4.04E-04	1.27E-07	3.71E-08
3497	497363.09, 3849377.25	2.59E-04	8.18E-08	2.38E-08	2.80E-04	8.84E-08	2.57E-08	4.48E-04	1.41E-07	4.11E-08
3498	497863.09, 3849377.25	3.29E-04	1.04E-07	3.02E-08	3.56E-04	1.12E-07	3.26E-08	5.68E-04	1.79E-07	5.22E-08
3499	498363.09, 3849377.25	3.27E-04	1.03E-07	3.00E-08	3.53E-04	1.12E-07	3.24E-08	5.65E-04	1.78E-07	5.18E-08
3500	471363.09, 3849877.25	2.30E-04	7.26E-08	2.11E-08	2.48E-04	7.83E-08	2.28E-08	3.93E-04	1.24E-07	3.61E-08
3501	471863.09, 3849877.25	2.74E-04	8.65E-08	2.52E-08	2.96E-04	9.33E-08	2.71E-08	4.68E-04	1.48E-07	4.29E-08
3502	472363.09, 3849877.25	3.17E-04	9.99E-08	2.91E-08	3.41E-04	1.08E-07	3.13E-08	5.39E-04	1.70E-07	4.95E-08
3503	472863.09, 3849877.25	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.96E-04	1.88E-07	5.47E-08
3504	473363.09, 3849877.25	3.75E-04	1.18E-07	3.44E-08	4.04E-04	1.28E-07	3.71E-08	6.39E-04	2.02E-07	5.87E-08
3505	473863.09, 3849877.25	4.00E-04	1.26E-07	3.68E-08	4.32E-04	1.36E-07	3.97E-08	6.84E-04	2.16E-07	6.28E-08
3506	474363.09, 3849877.25	4.21E-04	1.33E-07	3.87E-08	4.54E-04	1.43E-07	4.17E-08	7.20E-04	2.27E-07	6.61E-08
3507	474863.09, 3849877.25	4.34E-04	1.37E-07	3.99E-08	4.68E-04	1.48E-07	4.30E-08	7.42E-04	2.34E-07	6.81E-08
3508	475363.09, 3849877.25	4.39E-04	1.38E-07	4.03E-08	4.73E-04	1.49E-07	4.34E-08	7.49E-04	2.36E-07	6.87E-08
3509	475863.09, 3849877.25	4.43E-04	1.40E-07	4.07E-08	4.78E-04	1.51E-07	4.39E-08	7.55E-04	2.38E-07	6.93E-08
3510	476363.09, 3849877.25	4.45E-04	1.40E-07	4.09E-08	4.80E-04	1.51E-07	4.40E-08	7.55E-04	2.38E-07	6.93E-08
3511	476863.09, 3849877.25	4.42E-04	1.40E-07	4.06E-08	4.77E-04	1.50E-07	4.38E-08	7.49E-04	2.36E-07	6.87E-08
3512	477363.09, 3849877.25	4.28E-04	1.35E-07	3.93E-08	4.61E-04	1.45E-07	4.23E-08	7.22E-04	2.28E-07	6.63E-08
3513	477863.09, 3849877.25	4.38E-04	1.38E-07	4.02E-08	4.72E-04	1.49E-07	4.33E-08	7.41E-04	2.34E-07	6.80E-08
3514	478363.09, 3849877.25	5.45E-04	1.72E-07	5.00E-08	5.88E-04	1.86E-07	5.40E-08	9.28E-04	2.93E-07	8.52E-08
3515	478863.09, 3849877.25	6.68E-04	2.11E-07	6.13E-08	7.21E-04	2.27E-07	6.62E-08	1.14E-03	3.60E-07	1.05E-07
3516	479363.09, 3849877.25	6.04E-04	1.91E-07	5.54E-08	6.51E-04	2.06E-07	5.98E-08	1.03E-03	3.25E-07	9.46E-08
3517	479863.09, 3849877.25	5.37E-04	1.69E-07	4.93E-08	5.79E-04	1.83E-07	5.31E-08	9.14E-04	2.89E-07	8.39E-08
3518	480363.09, 3849877.25	4.08E-04	1.29E-07	3.75E-08	4.40E-04	1.39E-07	4.04E-08	6.93E-04	2.19E-07	6.37E-08
3519	480863.09, 3849877.25	3.29E-04	1.04E-07	3.02E-08	3.54E-04	1.12E-07	3.25E-08	5.57E-04	1.76E-07	5.12E-08
3520	481363.09, 3849877.25	2.79E-04	8.80E-08	2.56E-08	3.01E-04	9.49E-08	2.76E-08	4.72E-04	1.49E-07	4.33E-08
3521	481863.09, 3849877.25	1.82E-04	5.74E-08	1.67E-08	1.96E-04	6.19E-08	1.80E-08	3.09E-04	9.77E-08	2.84E-08
3522	482363.09, 3849877.25	1.55E-04	4.90E-08	1.42E-08	1.67E-04	5.28E-08	1.54E-08	2.64E-04	8.34E-08	2.43E-08
3523	482863.09, 3849877.25	1.38E-04	4.35E-08	1.26E-08	1.49E-04	4.69E-08	1.36E-08	2.34E-04	7.40E-08	2.15E-08
3524	483363.09, 3849877.25	1.23E-04	3.88E-08	1.13E-08	1.33E-04	4.18E-08	1.22E-08	2.09E-04	6.61E-08	1.92E-08
3525	483863.09, 3849877.25	1.20E-04	3.79E-08	1.10E-08	1.30E-04	4.09E-08	1.19E-08	2.05E-04	6.46E-08	1.88E-08
3526	484363.09, 3849877.25	1.49E-04	4.70E-08	1.37E-08	1.60E-04	5.06E-08	1.47E-08	2.52E-04	7.96E-08	2.32E-08
3527	484863.09, 3849877.25	1.89E-04	5.98E-08	1.74E-08	2.04E-04	6.44E-08	1.87E-08	3.20E-04	1.01E-07	2.94E-08
3528	485363.09, 3849877.25	1.73E-04	5.45E-08	1.59E-08	1.86E-04	5.88E-08	1.71E-08	2.92E-04	9.22E-08	2.68E-08
3529	485863.09, 3849877.25	1.48E-04	4.66E-08	1.36E-08	1.59E-04	5.03E-08	1.46E-08	2.50E-04	7.90E-08	2.30E-08
3530	486363.09, 3849877.25	1.39E-04	4.40E-08	1.28E-08	1.50E-04	4.74E-08	1.38E-08	2.37E-04	7.49E-08	2.18E-08
3531	486863.09, 3849877.25	1.52E-04	4.79E-08	1.39E-08	1.64E-04	5.17E-08	1.50E-08	2.59E-04	8.17E-08	2.38E-08
3532	487363.09, 3849877.25	1.54E-04	4.85E-08	1.41E-08	1.66E-04	5.23E-08	1.52E-08	2.62E-04	8.27E-08	2.41E-08
3533	487863.09, 3849877.25	1.55E-04	4.90E-08	1.42E-08	1.67E-04	5.28E-08	1.54E-08	2.65E-04	8.37E-08	2.43E-08
3534	488363.09, 3849877.25	1.59E-04	5.03E-08	1.46E-08	1.72E-04	5.43E-08	1.58E-08	2.72E-04	8.59E-08	2.50E-08

3535 488863.09, 3849877.25	1.66E-04	5.24E-08	1.52E-08	1.79E-04	5.66E-08	1.65E-08	2.84E-04	8.97E-08	2.61E-08
3536 489363.09, 3849877.25	1.71E-04	5.40E-08	1.57E-08	1.85E-04	5.83E-08	1.70E-08	2.93E-04	9.26E-08	2.69E-08
3537 489863.09, 3849877.25	1.74E-04	5.51E-08	1.60E-08	1.88E-04	5.95E-08	1.73E-08	3.00E-04	9.47E-08	2.75E-08
3538 490363.09, 3849877.25	1.77E-04	5.58E-08	1.62E-08	1.91E-04	6.03E-08	1.75E-08	3.05E-04	9.62E-08	2.80E-08
3539 490863.09, 3849877.25	1.83E-04	5.78E-08	1.68E-08	1.98E-04	6.24E-08	1.82E-08	3.16E-04	9.97E-08	2.90E-08
3540 491363.09, 3849877.25	1.89E-04	5.97E-08	1.74E-08	2.04E-04	6.45E-08	1.88E-08	3.27E-04	1.03E-07	3.00E-08
3541 491863.09, 3849877.25	1.90E-04	6.00E-08	1.74E-08	2.05E-04	6.48E-08	1.89E-08	3.29E-04	1.04E-07	3.02E-08
3542 492363.09, 3849877.25	1.92E-04	6.06E-08	1.76E-08	2.08E-04	6.55E-08	1.90E-08	3.32E-04	1.05E-07	3.05E-08
3543 492863.09, 3849877.25	1.88E-04	5.93E-08	1.72E-08	2.03E-04	6.41E-08	1.86E-08	3.26E-04	1.03E-07	2.99E-08
3544 493363.09, 3849877.25	1.84E-04	5.81E-08	1.69E-08	1.99E-04	6.28E-08	1.83E-08	3.19E-04	1.01E-07	2.93E-08
3545 493863.09, 3849877.25	1.85E-04	5.85E-08	1.70E-08	2.00E-04	6.32E-08	1.84E-08	3.21E-04	1.01E-07	2.95E-08
3546 494363.09, 3849877.25	2.24E-04	7.06E-08	2.05E-08	2.42E-04	7.63E-08	2.22E-08	3.87E-04	1.22E-07	3.55E-08
3547 494863.09, 3849877.25	2.56E-04	8.08E-08	2.35E-08	2.76E-04	8.73E-08	2.54E-08	4.43E-04	1.40E-07	4.06E-08
3548 495363.09, 3849877.25	2.37E-04	7.48E-08	2.18E-08	2.56E-04	8.09E-08	2.35E-08	4.10E-04	1.30E-07	3.77E-08
3549 495863.09, 3849877.25	2.74E-04	8.66E-08	2.52E-08	2.97E-04	9.36E-08	2.72E-08	4.74E-04	1.50E-07	4.36E-08
3550 496363.09, 3849877.25	2.94E-04	9.27E-08	2.70E-08	3.17E-04	1.00E-07	2.91E-08	5.07E-04	1.60E-07	4.66E-08
3551 496863.09, 3849877.25	3.10E-04	9.78E-08	2.84E-08	3.35E-04	1.06E-07	3.07E-08	5.35E-04	1.69E-07	4.91E-08
3552 497363.09, 3849877.25	3.67E-04	1.16E-07	3.37E-08	3.97E-04	1.25E-07	3.64E-08	6.34E-04	2.00E-07	5.82E-08
3553 497863.09, 3849877.25	3.94E-04	1.24E-07	3.62E-08	4.26E-04	1.34E-07	3.91E-08	6.80E-04	2.15E-07	6.25E-08
3554 498363.09, 3849877.25	3.90E-04	1.23E-07	3.58E-08	4.21E-04	1.33E-07	3.87E-08	6.73E-04	2.12E-07	6.18E-08
3555 471363.09, 3850377.25	1.88E-04	5.92E-08	1.72E-08	2.03E-04	6.39E-08	1.86E-08	3.22E-04	1.02E-07	2.96E-08
3556 471863.09, 3850377.25	2.44E-04	7.69E-08	2.24E-08	2.63E-04	8.30E-08	2.41E-08	4.18E-04	1.32E-07	3.83E-08
3557 472363.09, 3850377.25	2.73E-04	8.62E-08	2.51E-08	2.95E-04	9.30E-08	2.70E-08	4.67E-04	1.47E-07	4.29E-08
3558 472863.09, 3850377.25	3.29E-04	1.04E-07	3.02E-08	3.54E-04	1.12E-07	3.25E-08	5.60E-04	1.77E-07	5.14E-08
3559 473363.09, 3850377.25	3.59E-04	1.13E-07	3.30E-08	3.87E-04	1.22E-07	3.56E-08	6.12E-04	1.93E-07	5.62E-08
3560 473863.09, 3850377.25	3.98E-04	1.25E-07	3.65E-08	4.29E-04	1.35E-07	3.94E-08	6.78E-04	2.14E-07	6.22E-08
3561 474363.09, 3850377.25	4.33E-04	1.37E-07	3.97E-08	4.67E-04	1.47E-07	4.29E-08	7.38E-04	2.33E-07	6.78E-08
3562 474863.09, 3850377.25	4.64E-04	1.46E-07	4.26E-08	5.01E-04	1.58E-07	4.60E-08	7.92E-04	2.50E-07	7.27E-08
3563 475363.09, 3850377.25	4.90E-04	1.55E-07	4.50E-08	5.28E-04	1.67E-07	4.85E-08	8.37E-04	2.64E-07	7.68E-08
3564 475863.09, 3850377.25	5.03E-04	1.59E-07	4.62E-08	5.43E-04	1.71E-07	4.99E-08	8.60E-04	2.71E-07	7.89E-08
3565 476363.09, 3850377.25	5.09E-04	1.61E-07	4.68E-08	5.50E-04	1.73E-07	5.05E-08	8.68E-04	2.74E-07	7.97E-08
3566 476863.09, 3850377.25	5.15E-04	1.62E-07	4.72E-08	5.55E-04	1.75E-07	5.09E-08	8.74E-04	2.76E-07	8.03E-08
3567 477363.09, 3850377.25	5.16E-04	1.63E-07	4.74E-08	5.56E-04	1.75E-07	5.10E-08	8.73E-04	2.76E-07	8.01E-08
3568 477863.09, 3850377.25	4.99E-04	1.57E-07	4.58E-08	5.37E-04	1.70E-07	4.93E-08	8.43E-04	2.66E-07	7.74E-08
3569 478363.09, 3850377.25	4.99E-04	1.57E-07	4.58E-08	5.37E-04	1.70E-07	4.93E-08	8.44E-04	2.66E-07	7.75E-08
3570 478863.09, 3850377.25	6.52E-04	2.06E-07	5.99E-08	7.03E-04	2.22E-07	6.46E-08	1.11E-03	3.50E-07	1.02E-07
3571 479363.09, 3850377.25	7.96E-04	2.51E-07	7.30E-08	8.58E-04	2.71E-07	7.88E-08	1.36E-03	4.29E-07	1.25E-07
3572 479863.09, 3850377.25	7.34E-04	2.32E-07	6.74E-08	7.92E-04	2.50E-07	7.27E-08	1.25E-03	3.95E-07	1.15E-07
3573 480363.09, 3850377.25	6.12E-04	1.93E-07	5.62E-08	6.60E-04	2.08E-07	6.06E-08	1.04E-03	3.29E-07	9.57E-08
3574 480863.09, 3850377.25	5.60E-04	1.77E-07	5.14E-08	6.03E-04	1.90E-07	5.54E-08	9.50E-04	3.00E-07	8.72E-08
3575 481363.09, 3850377.25	3.46E-04	1.09E-07	3.17E-08	3.72E-04	1.18E-07	3.42E-08	5.85E-04	1.85E-07	5.37E-08
3576 481863.09, 3850377.25	3.13E-04	9.87E-08	2.87E-08	3.37E-04	1.06E-07	3.09E-08	5.30E-04	1.67E-07	4.87E-08
3577 482363.09, 3850377.25	2.79E-04	8.80E-08	2.56E-08	3.00E-04	9.48E-08	2.76E-08	4.73E-04	1.49E-07	4.34E-08
3578 482863.09, 3850377.25	1.95E-04	6.16E-08	1.79E-08	2.10E-04	6.64E-08	1.93E-08	3.31E-04	1.05E-07	3.04E-08
3579 483363.09, 3850377.25	1.61E-04	5.09E-08	1.48E-08	1.74E-04	5.48E-08	1.60E-08	2.74E-04	8.65E-08	2.52E-08
3580 483863.09, 3850377.25	1.68E-04	5.31E-08	1.54E-08	1.81E-04	5.73E-08	1.67E-08	2.85E-04	9.00E-08	2.62E-08
3581 484363.09, 3850377.25	1.93E-04	6.09E-08	1.77E-08	2.08E-04	6.56E-08	1.91E-08	3.26E-04	1.03E-07	3.00E-08
3582 484863.09, 3850377.25	2.25E-04	7.11E-08	2.07E-08	2.43E-04	7.66E-08	2.23E-08	3.81E-04	1.20E-07	3.50E-08
3583 485363.09, 3850377.25	2.19E-04	6.92E-08	2.01E-08	2.36E-04	7.45E-08	2.17E-08	3.70E-04	1.17E-07	3.40E-08
3584 485863.09, 3850377.25	1.97E-04	6.22E-08	1.81E-08	2.12E-04	6.70E-08	1.95E-08	3.34E-04	1.05E-07	3.06E-08
3585 486363.09, 3850377.25	1.95E-04	6.16E-08	1.79E-08	2.11E-04	6.65E-08	1.93E-08	3.32E-04	1.05E-07	3.05E-08
3586 486863.09, 3850377.25	1.96E-04	6.20E-08	1.80E-08	2.12E-04	6.68E-08	1.94E-08	3.34E-04	1.05E-07	3.07E-08
3587 487363.09, 3850377.25	1.92E-04	6.05E-08	1.76E-08	2.07E-04	6.52E-08	1.90E-08	3.26E-04	1.03E-07	3.00E-08
3588 487863.09, 3850377.25	1.98E-04	6.25E-08	1.82E-08	2.14E-04	6.74E-08	1.96E-08	3.38E-04	1.07E-07	3.10E-08
3589 488363.09, 3850377.25	2.04E-04	6.43E-08	1.87E-08	2.20E-04	6.93E-08	2.02E-08	3.48E-04	1.10E-07	3.19E-08
3590 488863.09, 3850377.25	2.13E-04	6.72E-08	1.95E-08	2.30E-04	7.25E-08	2.11E-08	3.64E-04	1.15E-07	3.35E-08
3591 489363.09, 3850377.25	2.21E-04	6.99E-08	2.03E-08	2.39E-04	7.55E-08	2.20E-08	3.81E-04	1.20E-07	3.50E-08
3592 489863.09, 3850377.25	2.26E-04	7.13E-08	2.07E-08	2.44E-04	7.70E-08	2.24E-08	3.89E-04	1.23E-07	3.57E-08
3593 490363.09, 3850377.25	2.33E-04	7.34E-08	2.14E-08	2.51E-04	7.93E-08	2.31E-08	4.01E-04	1.27E-07	3.68E-08
3594 490863.09, 3850377.25	2.42E-04	7.63E-08	2.22E-08	2.61E-04	8.24E-08	2.40E-08	4.17E-04	1.32E-07	3.83E-08
3595 491363.09, 3850377.25	2.49E-04	7.87E-08	2.29E-08	2.69E-04	8.50E-08	2.47E-08	4.31E-04	1.36E-07	3.95E-08

3596 491863.09, 3850377.25	2.48E-04	7.83E-08	2.28E-08	2.68E-04	8.46E-08	2.46E-08	4.29E-04	1.35E-07	3.94E-08
3597 492363.09, 3850377.25	2.44E-04	7.70E-08	2.24E-08	2.64E-04	8.32E-08	2.42E-08	4.22E-04	1.33E-07	3.88E-08
3598 492863.09, 3850377.25	2.46E-04	7.75E-08	2.26E-08	2.66E-04	8.38E-08	2.44E-08	4.26E-04	1.34E-07	3.91E-08
3599 493363.09, 3850377.25	2.40E-04	7.59E-08	2.21E-08	2.60E-04	8.20E-08	2.38E-08	4.16E-04	1.31E-07	3.82E-08
3600 493863.09, 3850377.25	2.67E-04	8.43E-08	2.45E-08	2.88E-04	9.10E-08	2.65E-08	4.62E-04	1.46E-07	4.24E-08
3601 494363.09, 3850377.25	2.89E-04	9.13E-08	2.66E-08	3.13E-04	9.87E-08	2.87E-08	5.00E-04	1.58E-07	4.59E-08
3602 494863.09, 3850377.25	3.24E-04	1.02E-07	2.98E-08	3.50E-04	1.11E-07	3.22E-08	5.60E-04	1.77E-07	5.14E-08
3603 495363.09, 3850377.25	3.67E-04	1.16E-07	3.37E-08	3.97E-04	1.25E-07	3.64E-08	6.34E-04	2.00E-07	5.82E-08
3604 495863.09, 3850377.25	3.60E-04	1.14E-07	3.31E-08	3.89E-04	1.23E-07	3.57E-08	6.22E-04	1.96E-07	5.71E-08
3605 496363.09, 3850377.25	4.04E-04	1.28E-07	3.71E-08	4.36E-04	1.38E-07	4.01E-08	6.97E-04	2.20E-07	6.40E-08
3606 496863.09, 3850377.25	4.46E-04	1.41E-07	4.10E-08	4.82E-04	1.52E-07	4.43E-08	7.70E-04	2.43E-07	7.07E-08
3607 497363.09, 3850377.25	4.69E-04	1.48E-07	4.31E-08	5.07E-04	1.60E-07	4.65E-08	8.09E-04	2.55E-07	7.43E-08
3608 497863.09, 3850377.25	4.72E-04	1.49E-07	4.33E-08	5.10E-04	1.61E-07	4.68E-08	8.15E-04	2.57E-07	7.48E-08
3609 498363.09, 3850377.25	4.75E-04	1.50E-07	4.36E-08	5.13E-04	1.62E-07	4.71E-08	8.20E-04	2.59E-07	7.53E-08
3610 471363.09, 3850877.25	2.33E-04	7.34E-08	2.14E-08	2.51E-04	7.92E-08	2.30E-08	3.99E-04	1.26E-07	3.66E-08
3611 471863.09, 3850877.25	2.59E-04	8.18E-08	2.38E-08	2.80E-04	8.83E-08	2.57E-08	4.44E-04	1.40E-07	4.08E-08
3612 472363.09, 3850877.25	2.96E-04	9.35E-08	2.72E-08	3.20E-04	1.01E-07	2.94E-08	5.08E-04	1.60E-07	4.66E-08
3613 472863.09, 3850877.25	3.31E-04	1.04E-07	3.04E-08	3.57E-04	1.13E-07	3.28E-08	5.66E-04	1.79E-07	5.20E-08
3614 473363.09, 3850877.25	3.23E-04	1.02E-07	2.96E-08	3.48E-04	1.10E-07	3.20E-08	5.53E-04	1.74E-07	5.07E-08
3615 473863.09, 3850877.25	3.71E-04	1.17E-07	3.41E-08	4.01E-04	1.26E-07	3.68E-08	6.34E-04	2.00E-07	5.82E-08
3616 474363.09, 3850877.25	4.29E-04	1.35E-07	3.94E-08	4.63E-04	1.46E-07	4.25E-08	7.31E-04	2.31E-07	6.71E-08
3617 474863.09, 3850877.25	4.69E-04	1.48E-07	4.31E-08	5.06E-04	1.60E-07	4.64E-08	7.99E-04	2.52E-07	7.33E-08
3618 475363.09, 3850877.25	5.08E-04	1.60E-07	4.66E-08	5.48E-04	1.73E-07	5.03E-08	8.66E-04	2.73E-07	7.95E-08
3619 475863.09, 3850877.25	5.47E-04	1.73E-07	5.03E-08	5.91E-04	1.86E-07	5.42E-08	9.34E-04	2.95E-07	8.57E-08
3620 476363.09, 3850877.25	5.77E-04	1.82E-07	5.30E-08	6.23E-04	1.97E-07	5.72E-08	9.85E-04	3.11E-07	9.05E-08
3621 476863.09, 3850877.25	5.94E-04	1.88E-07	5.46E-08	6.41E-04	2.02E-07	5.89E-08	1.01E-03	3.20E-07	9.30E-08
3622 477363.09, 3850877.25	6.05E-04	1.91E-07	5.56E-08	6.53E-04	2.06E-07	5.99E-08	1.03E-03	3.25E-07	9.45E-08
3623 477863.09, 3850877.25	6.10E-04	1.93E-07	5.60E-08	6.58E-04	2.08E-07	6.04E-08	1.03E-03	3.26E-07	9.48E-08
3624 478363.09, 3850877.25	5.99E-04	1.89E-07	5.50E-08	6.45E-04	2.04E-07	5.92E-08	1.01E-03	3.19E-07	9.28E-08
3625 478863.09, 3850877.25	6.21E-04	1.96E-07	5.70E-08	6.69E-04	2.11E-07	6.14E-08	1.04E-03	3.30E-07	9.59E-08
3626 479363.09, 3850877.25	7.71E-04	2.43E-07	7.08E-08	8.31E-04	2.62E-07	7.63E-08	1.31E-03	4.12E-07	1.20E-07
3627 479863.09, 3850877.25	9.25E-04	2.92E-07	8.49E-08	9.98E-04	3.15E-07	9.16E-08	1.58E-03	4.99E-07	1.45E-07
3628 480363.09, 3850877.25	9.11E-04	2.87E-07	8.36E-08	9.82E-04	3.10E-07	9.02E-08	1.55E-03	4.89E-07	1.42E-07
3629 480863.09, 3850877.25	8.00E-04	2.52E-07	7.34E-08	8.62E-04	2.72E-07	7.92E-08	1.36E-03	4.29E-07	1.25E-07
3630 481363.09, 3850877.25	6.99E-04	2.21E-07	6.42E-08	7.53E-04	2.38E-07	6.92E-08	1.18E-03	3.74E-07	1.09E-07
3631 481863.09, 3850877.25	5.60E-04	1.77E-07	5.14E-08	6.04E-04	1.91E-07	5.54E-08	9.47E-04	2.99E-07	8.69E-08
3632 482363.09, 3850877.25	4.02E-04	1.27E-07	3.69E-08	4.34E-04	1.37E-07	3.98E-08	6.82E-04	2.15E-07	6.26E-08
3633 482863.09, 3850877.25	3.17E-04	1.00E-07	2.91E-08	3.41E-04	1.08E-07	3.13E-08	5.35E-04	1.69E-07	4.92E-08
3634 483363.09, 3850877.25	2.45E-04	7.74E-08	2.25E-08	2.64E-04	8.34E-08	2.43E-08	4.16E-04	1.31E-07	3.82E-08
3635 483863.09, 3850877.25	2.37E-04	7.47E-08	2.17E-08	2.55E-04	8.05E-08	2.34E-08	4.01E-04	1.27E-07	3.69E-08
3636 484363.09, 3850877.25	2.66E-04	8.38E-08	2.44E-08	2.86E-04	9.03E-08	2.63E-08	4.49E-04	1.42E-07	4.12E-08
3637 484863.09, 3850877.25	2.59E-04	8.16E-08	2.37E-08	2.79E-04	8.79E-08	2.56E-08	4.37E-04	1.38E-07	4.01E-08
3638 485363.09, 3850877.25	2.71E-04	8.57E-08	2.49E-08	2.92E-04	9.23E-08	2.68E-08	4.59E-04	1.45E-07	4.21E-08
3639 485863.09, 3850877.25	2.39E-04	7.55E-08	2.20E-08	2.58E-04	8.14E-08	2.37E-08	4.06E-04	1.28E-07	3.73E-08
3640 486363.09, 3850877.25	2.52E-04	7.95E-08	2.31E-08	2.72E-04	8.57E-08	2.49E-08	4.28E-04	1.35E-07	3.93E-08
3641 486863.09, 3850877.25	2.53E-04	7.98E-08	2.32E-08	2.73E-04	8.61E-08	2.50E-08	4.30E-04	1.36E-07	3.95E-08
3642 487363.09, 3850877.25	2.47E-04	7.81E-08	2.27E-08	2.67E-04	8.42E-08	2.45E-08	4.21E-04	1.33E-07	3.86E-08
3643 487863.09, 3850877.25	2.57E-04	8.10E-08	2.36E-08	2.77E-04	8.74E-08	2.54E-08	4.38E-04	1.38E-07	4.02E-08
3644 488363.09, 3850877.25	2.70E-04	8.53E-08	2.48E-08	2.92E-04	9.20E-08	2.68E-08	4.62E-04	1.46E-07	4.24E-08
3645 488863.09, 3850877.25	2.82E-04	8.91E-08	2.59E-08	3.05E-04	9.62E-08	2.80E-08	4.85E-04	1.53E-07	4.45E-08
3646 489363.09, 3850877.25	2.98E-04	9.39E-08	2.73E-08	3.21E-04	1.01E-07	2.95E-08	5.12E-04	1.62E-07	4.70E-08
3647 489863.09, 3850877.25	3.09E-04	9.74E-08	2.83E-08	3.34E-04	1.05E-07	3.06E-08	5.32E-04	1.68E-07	4.89E-08
3648 490363.09, 3850877.25	3.24E-04	1.02E-07	2.97E-08	3.50E-04	1.10E-07	3.21E-08	5.59E-04	1.76E-07	5.13E-08
3649 490863.09, 3850877.25	3.35E-04	1.06E-07	3.07E-08	3.62E-04	1.14E-07	3.32E-08	5.78E-04	1.82E-07	5.31E-08
3650 491363.09, 3850877.25	3.38E-04	1.07E-07	3.10E-08	3.65E-04	1.15E-07	3.35E-08	5.84E-04	1.84E-07	5.36E-08
3651 491863.09, 3850877.25	3.38E-04	1.07E-07	3.10E-08	3.65E-04	1.15E-07	3.35E-08	5.84E-04	1.84E-07	5.36E-08
3652 492363.09, 3850877.25	3.36E-04	1.06E-07	3.08E-08	3.63E-04	1.15E-07	3.33E-08	5.81E-04	1.83E-07	5.33E-08
3653 492863.09, 3850877.25	3.39E-04	1.07E-07	3.11E-08	3.66E-04	1.15E-07	3.36E-08	5.85E-04	1.85E-07	5.37E-08
3654 493363.09, 3850877.25	3.47E-04	1.10E-07	3.19E-08	3.75E-04	1.18E-07	3.45E-08	6.01E-04	1.90E-07	5.51E-08
3655 493863.09, 3850877.25	3.83E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.62E-04	2.09E-07	6.07E-08
3656 494363.09, 3850877.25	4.03E-04	1.27E-07	3.70E-08	4.35E-04	1.37E-07	3.99E-08	6.95E-04	2.19E-07	6.38E-08

3657	494863.09, 3850877.25	4.43E-04	1.40E-07	4.07E-08	4.79E-04	1.51E-07	4.40E-08	7.65E-04	2.42E-07	7.03E-08
3658	495363.09, 3850877.25	4.88E-04	1.54E-07	4.48E-08	5.27E-04	1.66E-07	4.84E-08	8.43E-04	2.66E-07	7.74E-08
3659	495863.09, 3850877.25	5.01E-04	1.58E-07	4.60E-08	5.42E-04	1.71E-07	4.97E-08	8.65E-04	2.73E-07	7.94E-08
3660	496363.09, 3850877.25	5.29E-04	1.67E-07	4.85E-08	5.71E-04	1.80E-07	5.24E-08	9.12E-04	2.88E-07	8.37E-08
3661	496863.09, 3850877.25	5.70E-04	1.80E-07	5.24E-08	6.16E-04	1.94E-07	5.66E-08	9.84E-04	3.11E-07	9.03E-08
3662	497363.09, 3850877.25	5.77E-04	1.82E-07	5.30E-08	6.24E-04	1.97E-07	5.73E-08	9.96E-04	3.14E-07	9.15E-08
3663	497863.09, 3850877.25	5.72E-04	1.81E-07	5.26E-08	6.18E-04	1.95E-07	5.68E-08	9.88E-04	3.12E-07	9.07E-08
3664	498363.09, 3850877.25	5.67E-04	1.79E-07	5.20E-08	6.12E-04	1.93E-07	5.62E-08	9.78E-04	3.09E-07	8.98E-08
3665	471363.09, 3851377.25	2.57E-04	8.11E-08	2.36E-08	2.77E-04	8.76E-08	2.55E-08	4.41E-04	1.39E-07	4.05E-08
3666	471863.09, 3851377.25	3.13E-04	9.89E-08	2.88E-08	3.38E-04	1.07E-07	3.10E-08	5.37E-04	1.69E-07	4.93E-08
3667	472363.09, 3851377.25	3.20E-04	1.01E-07	2.94E-08	3.45E-04	1.09E-07	3.17E-08	5.48E-04	1.73E-07	5.03E-08
3668	472863.09, 3851377.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.63E-04	1.78E-07	5.17E-08
3669	473363.09, 3851377.25	3.03E-04	9.57E-08	2.78E-08	3.27E-04	1.03E-07	3.00E-08	5.19E-04	1.64E-07	4.77E-08
3670	473863.09, 3851377.25	3.22E-04	1.01E-07	2.95E-08	3.47E-04	1.10E-07	3.19E-08	5.51E-04	1.74E-07	5.06E-08
3671	474363.09, 3851377.25	3.86E-04	1.22E-07	3.54E-08	4.16E-04	1.31E-07	3.82E-08	6.60E-04	2.08E-07	6.06E-08
3672	474863.09, 3851377.25	4.47E-04	1.41E-07	4.10E-08	4.82E-04	1.52E-07	4.43E-08	7.64E-04	2.41E-07	7.01E-08
3673	475363.09, 3851377.25	5.04E-04	1.59E-07	4.62E-08	5.43E-04	1.71E-07	4.99E-08	8.59E-04	2.71E-07	7.88E-08
3674	475863.09, 3851377.25	5.52E-04	1.74E-07	5.06E-08	5.95E-04	1.88E-07	5.46E-08	9.40E-04	2.97E-07	8.63E-08
3675	476363.09, 3851377.25	6.02E-04	1.90E-07	5.52E-08	6.49E-04	2.05E-07	5.96E-08	1.03E-03	3.24E-07	9.42E-08
3676	476863.09, 3851377.25	6.41E-04	2.02E-07	5.88E-08	6.91E-04	2.18E-07	6.35E-08	1.09E-03	3.45E-07	1.00E-07
3677	477363.09, 3851377.25	6.92E-04	2.19E-07	6.36E-08	7.47E-04	2.36E-07	6.86E-08	1.18E-03	3.73E-07	1.08E-07
3678	477863.09, 3851377.25	7.16E-04	2.26E-07	6.58E-08	7.73E-04	2.44E-07	7.09E-08	1.22E-03	3.85E-07	1.12E-07
3679	478363.09, 3851377.25	7.26E-04	2.29E-07	6.67E-08	7.83E-04	2.47E-07	7.19E-08	1.23E-03	3.89E-07	1.13E-07
3680	478863.09, 3851377.25	7.25E-04	2.29E-07	6.65E-08	7.81E-04	2.46E-07	7.17E-08	1.22E-03	3.86E-07	1.12E-07
3681	479363.09, 3851377.25	7.40E-04	2.34E-07	6.79E-08	7.97E-04	2.51E-07	7.32E-08	1.24E-03	3.93E-07	1.14E-07
3682	479863.09, 3851377.25	9.20E-04	2.90E-07	8.45E-08	9.91E-04	3.13E-07	9.10E-08	1.56E-03	4.91E-07	1.43E-07
3683	480363.09, 3851377.25	1.11E-03	3.51E-07	1.02E-07	1.20E-03	3.79E-07	1.10E-07	1.89E-03	5.98E-07	1.74E-07
3684	480863.09, 3851377.25	1.09E-03	3.45E-07	1.00E-07	1.18E-03	3.71E-07	1.08E-07	1.85E-03	5.84E-07	1.70E-07
3685	481363.09, 3851377.25	9.90E-04	3.13E-07	9.09E-08	1.07E-03	3.37E-07	9.80E-08	1.68E-03	5.29E-07	1.54E-07
3686	481863.09, 3851377.25	8.16E-04	2.57E-07	7.49E-08	8.79E-04	2.77E-07	8.07E-08	1.38E-03	4.35E-07	1.27E-07
3687	482363.09, 3851377.25	6.90E-04	2.18E-07	6.34E-08	7.44E-04	2.35E-07	6.83E-08	1.17E-03	3.68E-07	1.07E-07
3688	482863.09, 3851377.25	4.95E-04	1.56E-07	4.55E-08	5.34E-04	1.68E-07	4.90E-08	8.37E-04	2.64E-07	7.68E-08
3689	483363.09, 3851377.25	3.54E-04	1.12E-07	3.25E-08	3.82E-04	1.20E-07	3.50E-08	5.99E-04	1.89E-07	5.49E-08
3690	483863.09, 3851377.25	3.07E-04	9.70E-08	2.82E-08	3.31E-04	1.05E-07	3.04E-08	5.21E-04	1.64E-07	4.78E-08
3691	484363.09, 3851377.25	3.71E-04	1.17E-07	3.40E-08	3.99E-04	1.26E-07	3.66E-08	6.25E-04	1.97E-07	5.74E-08
3692	484863.09, 3851377.25	2.80E-04	8.84E-08	2.57E-08	3.02E-04	9.53E-08	2.77E-08	4.74E-04	1.50E-07	4.35E-08
3693	485363.09, 3851377.25	3.52E-04	1.11E-07	3.23E-08	3.79E-04	1.20E-07	3.48E-08	5.94E-04	1.88E-07	5.46E-08
3694	485863.09, 3851377.25	3.09E-04	9.74E-08	2.83E-08	3.33E-04	1.05E-07	3.05E-08	5.24E-04	1.65E-07	4.81E-08
3695	486363.09, 3851377.25	3.40E-04	1.07E-07	3.12E-08	3.66E-04	1.16E-07	3.36E-08	5.76E-04	1.82E-07	5.29E-08
3696	486863.09, 3851377.25	3.37E-04	1.06E-07	3.10E-08	3.64E-04	1.15E-07	3.34E-08	5.74E-04	1.81E-07	5.27E-08
3697	487363.09, 3851377.25	3.09E-04	9.75E-08	2.84E-08	3.33E-04	1.05E-07	3.06E-08	5.27E-04	1.66E-07	4.84E-08
3698	487863.09, 3851377.25	3.51E-04	1.11E-07	3.22E-08	3.79E-04	1.19E-07	3.48E-08	6.01E-04	1.90E-07	5.51E-08
3699	488363.09, 3851377.25	3.77E-04	1.19E-07	3.46E-08	4.07E-04	1.28E-07	3.73E-08	6.46E-04	2.04E-07	5.93E-08
3700	488863.09, 3851377.25	3.96E-04	1.25E-07	3.63E-08	4.27E-04	1.35E-07	3.92E-08	6.80E-04	2.15E-07	6.25E-08
3701	489363.09, 3851377.25	4.16E-04	1.31E-07	3.82E-08	4.49E-04	1.42E-07	4.13E-08	7.17E-04	2.26E-07	6.58E-08
3702	489863.09, 3851377.25	4.33E-04	1.37E-07	3.97E-08	4.67E-04	1.48E-07	4.29E-08	7.47E-04	2.36E-07	6.85E-08
3703	490363.09, 3851377.25	4.50E-04	1.42E-07	4.13E-08	4.86E-04	1.53E-07	4.46E-08	7.76E-04	2.45E-07	7.12E-08
3704	490863.09, 3851377.25	4.61E-04	1.46E-07	4.24E-08	4.98E-04	1.57E-07	4.58E-08	7.96E-04	2.51E-07	7.31E-08
3705	491363.09, 3851377.25	4.60E-04	1.45E-07	4.23E-08	4.97E-04	1.57E-07	4.57E-08	7.95E-04	2.51E-07	7.30E-08
3706	491863.09, 3851377.25	4.62E-04	1.46E-07	4.24E-08	4.99E-04	1.58E-07	4.58E-08	7.98E-04	2.52E-07	7.32E-08
3707	492363.09, 3851377.25	4.68E-04	1.48E-07	4.29E-08	5.05E-04	1.59E-07	4.64E-08	8.08E-04	2.55E-07	7.42E-08
3708	492863.09, 3851377.25	4.63E-04	1.46E-07	4.25E-08	5.00E-04	1.58E-07	4.59E-08	8.00E-04	2.52E-07	7.34E-08
3709	493363.09, 3851377.25	4.28E-04	1.35E-07	3.93E-08	4.63E-04	1.46E-07	4.25E-08	7.40E-04	2.34E-07	6.80E-08
3710	493863.09, 3851377.25	4.67E-04	1.48E-07	4.29E-08	5.05E-04	1.59E-07	4.64E-08	8.07E-04	2.55E-07	7.41E-08
3711	494363.09, 3851377.25	5.47E-04	1.73E-07	5.02E-08	5.91E-04	1.87E-07	5.43E-08	9.44E-04	2.98E-07	8.67E-08
3712	494863.09, 3851377.25	5.70E-04	1.80E-07	5.23E-08	6.15E-04	1.94E-07	5.65E-08	9.83E-04	3.10E-07	9.03E-08
3713	495363.09, 3851377.25	6.51E-04	2.06E-07	5.98E-08	7.04E-04	2.22E-07	6.46E-08	1.12E-03	3.55E-07	1.03E-07
3714	495863.09, 3851377.25	6.84E-04	2.16E-07	6.28E-08	7.39E-04	2.33E-07	6.78E-08	1.18E-03	3.72E-07	1.08E-07
3715	496363.09, 3851377.25	7.02E-04	2.21E-07	6.44E-08	7.58E-04	2.39E-07	6.96E-08	1.21E-03	3.82E-07	1.11E-07
3716	496863.09, 3851377.25	7.07E-04	2.23E-07	6.49E-08	7.64E-04	2.41E-07	7.01E-08	1.22E-03	3.85E-07	1.12E-07
3717	497363.09, 3851377.25	7.09E-04	2.24E-07	6.51E-08	7.66E-04	2.42E-07	7.03E-08	1.22E-03	3.86E-07	1.12E-07

3718 497863.09, 3851377.25	6.98E-04	2.20E-07	6.41E-08	7.55E-04	2.38E-07	6.93E-08	1.20E-03	3.80E-07	1.11E-07
3719 498363.09, 3851377.25	6.65E-04	2.10E-07	6.11E-08	7.18E-04	2.27E-07	6.60E-08	1.15E-03	3.62E-07	1.05E-07
3720 471363.09, 3851877.25	2.90E-04	9.17E-08	2.67E-08	3.14E-04	9.90E-08	2.88E-08	4.99E-04	1.57E-07	4.58E-08
3721 471863.09, 3851877.25	2.82E-04	8.91E-08	2.59E-08	3.05E-04	9.62E-08	2.80E-08	4.85E-04	1.53E-07	4.45E-08
3722 472363.09, 3851877.25	3.17E-04	1.00E-07	2.91E-08	3.42E-04	1.08E-07	3.14E-08	5.44E-04	1.72E-07	4.99E-08
3723 472863.09, 3851877.25	3.48E-04	1.10E-07	3.19E-08	3.75E-04	1.18E-07	3.45E-08	5.97E-04	1.88E-07	5.48E-08
3724 473363.09, 3851877.25	3.28E-04	1.03E-07	3.01E-08	3.54E-04	1.12E-07	3.25E-08	5.62E-04	1.77E-07	5.16E-08
3725 473863.09, 3851877.25	3.38E-04	1.07E-07	3.10E-08	3.65E-04	1.15E-07	3.35E-08	5.79E-04	1.83E-07	5.31E-08
3726 474363.09, 3851877.25	3.95E-04	1.25E-07	3.63E-08	4.26E-04	1.35E-07	3.91E-08	6.76E-04	2.13E-07	6.21E-08
3727 474863.09, 3851877.25	4.54E-04	1.43E-07	4.16E-08	4.90E-04	1.55E-07	4.49E-08	7.77E-04	2.45E-07	7.13E-08
3728 475363.09, 3851877.25	4.94E-04	1.56E-07	4.53E-08	5.33E-04	1.68E-07	4.89E-08	8.45E-04	2.67E-07	7.76E-08
3729 475863.09, 3851877.25	5.33E-04	1.68E-07	4.90E-08	5.76E-04	1.82E-07	5.28E-08	9.12E-04	2.88E-07	8.37E-08
3730 476363.09, 3851877.25	5.51E-04	1.74E-07	5.06E-08	5.95E-04	1.88E-07	5.46E-08	9.43E-04	2.98E-07	8.65E-08
3731 476863.09, 3851877.25	6.23E-04	1.97E-07	5.72E-08	6.72E-04	2.12E-07	6.17E-08	1.07E-03	3.36E-07	9.78E-08
3732 477363.09, 3851877.25	6.99E-04	2.21E-07	6.42E-08	7.55E-04	2.38E-07	6.93E-08	1.19E-03	3.77E-07	1.10E-07
3733 477863.09, 3851877.25	7.65E-04	2.41E-07	7.02E-08	8.25E-04	2.60E-07	7.57E-08	1.31E-03	4.12E-07	1.20E-07
3734 478363.09, 3851877.25	7.92E-04	2.50E-07	7.28E-08	8.55E-04	2.70E-07	7.85E-08	1.36E-03	4.28E-07	1.24E-07
3735 478863.09, 3851877.25	8.45E-04	2.67E-07	7.76E-08	9.12E-04	2.88E-07	8.37E-08	1.44E-03	4.55E-07	1.32E-07
3736 479363.09, 3851877.25	8.85E-04	2.79E-07	8.13E-08	9.54E-04	3.01E-07	8.76E-08	1.50E-03	4.74E-07	1.38E-07
3737 479863.09, 3851877.25	9.31E-04	2.94E-07	8.55E-08	1.00E-03	3.17E-07	9.21E-08	1.57E-03	4.97E-07	1.44E-07
3738 480363.09, 3851877.25	1.12E-03	3.54E-07	1.03E-07	1.21E-03	3.81E-07	1.11E-07	1.90E-03	5.99E-07	1.74E-07
3739 480863.09, 3851877.25	1.35E-03	4.25E-07	1.24E-07	1.45E-03	4.58E-07	1.33E-07	2.29E-03	7.22E-07	2.10E-07
3740 481363.09, 3851877.25	1.34E-03	4.22E-07	1.23E-07	1.44E-03	4.55E-07	1.32E-07	2.26E-03	7.13E-07	2.07E-07
3741 481863.09, 3851877.25	1.18E-03	3.71E-07	1.08E-07	1.27E-03	4.00E-07	1.16E-07	1.99E-03	6.28E-07	1.83E-07
3742 482363.09, 3851877.25	8.34E-04	2.63E-07	7.66E-08	8.99E-04	2.84E-07	8.25E-08	1.41E-03	4.45E-07	1.29E-07
3743 482863.09, 3851877.25	5.48E-04	1.73E-07	5.03E-08	5.90E-04	1.86E-07	5.42E-08	9.27E-04	2.93E-07	8.51E-08
3744 483363.09, 3851877.25	5.48E-04	1.73E-07	5.03E-08	5.90E-04	1.86E-07	5.42E-08	9.22E-04	2.91E-07	8.47E-08
3745 483863.09, 3851877.25	4.77E-04	1.50E-07	4.38E-08	5.13E-04	1.62E-07	4.71E-08	8.03E-04	2.53E-07	7.37E-08
3746 484363.09, 3851877.25	5.13E-04	1.62E-07	4.71E-08	5.53E-04	1.74E-07	5.08E-08	8.65E-04	2.73E-07	7.94E-08
3747 484863.09, 3851877.25	4.59E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.54E-08	7.75E-04	2.45E-07	7.12E-08
3748 485363.09, 3851877.25	4.75E-04	1.50E-07	4.37E-08	5.12E-04	1.62E-07	4.70E-08	8.03E-04	2.54E-07	7.38E-08
3749 485863.09, 3851877.25	4.91E-04	1.55E-07	4.51E-08	5.30E-04	1.67E-07	4.86E-08	8.31E-04	2.62E-07	7.63E-08
3750 486363.09, 3851877.25	4.54E-04	1.43E-07	4.17E-08	4.90E-04	1.55E-07	4.50E-08	7.72E-04	2.44E-07	7.08E-08
3751 486863.09, 3851877.25	4.71E-04	1.49E-07	4.32E-08	5.08E-04	1.60E-07	4.66E-08	8.03E-04	2.53E-07	7.37E-08
3752 487363.09, 3851877.25	4.88E-04	1.54E-07	4.48E-08	5.26E-04	1.66E-07	4.83E-08	8.35E-04	2.64E-07	7.67E-08
3753 487863.09, 3851877.25	4.64E-04	1.47E-07	4.26E-08	5.01E-04	1.58E-07	4.60E-08	7.99E-04	2.52E-07	7.33E-08
3754 488363.09, 3851877.25	4.97E-04	1.57E-07	4.56E-08	5.37E-04	1.69E-07	4.93E-08	8.56E-04	2.70E-07	7.86E-08
3755 488863.09, 3851877.25	5.04E-04	1.59E-07	4.63E-08	5.44E-04	1.72E-07	5.00E-08	8.70E-04	2.75E-07	7.99E-08
3756 489363.09, 3851877.25	5.15E-04	1.62E-07	4.73E-08	5.56E-04	1.76E-07	5.11E-08	8.89E-04	2.81E-07	8.17E-08
3757 489863.09, 3851877.25	5.33E-04	1.68E-07	4.90E-08	5.76E-04	1.82E-07	5.29E-08	9.22E-04	2.91E-07	8.46E-08
3758 490363.09, 3851877.25	5.63E-04	1.78E-07	5.17E-08	6.08E-04	1.92E-07	5.58E-08	9.72E-04	3.07E-07	8.92E-08
3759 490863.09, 3851877.25	5.94E-04	1.88E-07	5.46E-08	6.42E-04	2.03E-07	5.90E-08	1.03E-03	3.24E-07	9.42E-08
3760 491363.09, 3851877.25	6.28E-04	1.98E-07	5.76E-08	6.78E-04	2.14E-07	6.23E-08	1.08E-03	3.42E-07	9.95E-08
3761 491863.09, 3851877.25	6.51E-04	2.05E-07	5.97E-08	7.03E-04	2.22E-07	6.45E-08	1.12E-03	3.54E-07	1.03E-07
3762 492363.09, 3851877.25	6.40E-04	2.02E-07	5.88E-08	6.92E-04	2.18E-07	6.35E-08	1.10E-03	3.49E-07	1.01E-07
3763 492863.09, 3851877.25	5.70E-04	1.80E-07	5.23E-08	6.16E-04	1.94E-07	5.65E-08	9.84E-04	3.11E-07	9.03E-08
3764 493363.09, 3851877.25	6.69E-04	2.11E-07	6.15E-08	7.23E-04	2.28E-07	6.64E-08	1.16E-03	3.65E-07	1.06E-07
3765 493863.09, 3851877.25	7.79E-04	2.46E-07	7.15E-08	8.41E-04	2.66E-07	7.72E-08	1.34E-03	4.24E-07	1.23E-07
3766 494363.09, 3851877.25	7.60E-04	2.40E-07	6.98E-08	8.21E-04	2.59E-07	7.54E-08	1.31E-03	4.14E-07	1.20E-07
3767 494863.09, 3851877.25	8.32E-04	2.63E-07	7.64E-08	8.98E-04	2.84E-07	8.25E-08	1.43E-03	4.52E-07	1.32E-07
3768 495363.09, 3851877.25	8.78E-04	2.77E-07	8.06E-08	9.48E-04	2.99E-07	8.70E-08	1.51E-03	4.78E-07	1.39E-07
3769 495863.09, 3851877.25	9.05E-04	2.85E-07	8.30E-08	9.77E-04	3.08E-07	8.97E-08	1.56E-03	4.92E-07	1.43E-07
3770 496363.09, 3851877.25	8.93E-04	2.82E-07	8.20E-08	9.65E-04	3.05E-07	8.86E-08	1.54E-03	4.86E-07	1.41E-07
3771 496863.09, 3851877.25	8.75E-04	2.76E-07	8.04E-08	9.45E-04	2.98E-07	8.68E-08	1.51E-03	4.76E-07	1.39E-07
3772 497363.09, 3851877.25	8.51E-04	2.69E-07	7.81E-08	9.19E-04	2.90E-07	8.44E-08	1.47E-03	4.63E-07	1.35E-07
3773 497863.09, 3851877.25	7.99E-04	2.52E-07	7.33E-08	8.63E-04	2.72E-07	7.92E-08	1.38E-03	4.35E-07	1.26E-07
3774 498363.09, 3851877.25	7.52E-04	2.37E-07	6.91E-08	8.13E-04	2.56E-07	7.46E-08	1.30E-03	4.10E-07	1.19E-07
3775 471363.09, 3852377.25	2.67E-04	8.42E-08	2.45E-08	2.88E-04	9.09E-08	2.64E-08	4.58E-04	1.45E-07	4.21E-08
3776 471863.09, 3852377.25	3.05E-04	9.62E-08	2.80E-08	3.29E-04	1.04E-07	3.02E-08	5.23E-04	1.65E-07	4.80E-08
3777 472363.09, 3852377.25	3.33E-04	1.05E-07	3.06E-08	3.59E-04	1.13E-07	3.30E-08	5.72E-04	1.80E-07	5.25E-08
3778 472863.09, 3852377.25	3.54E-04	1.12E-07	3.25E-08	3.83E-04	1.21E-07	3.51E-08	6.09E-04	1.92E-07	5.59E-08

3779	473363.09, 3852377.25	3.66E-04	1.16E-07	3.36E-08	3.96E-04	1.25E-07	3.63E-08	6.29E-04	1.99E-07	5.77E-08
3780	473863.09, 3852377.25	3.72E-04	1.17E-07	3.41E-08	4.01E-04	1.27E-07	3.68E-08	6.38E-04	2.01E-07	5.86E-08
3781	474363.09, 3852377.25	3.83E-04	1.21E-07	3.52E-08	4.13E-04	1.30E-07	3.80E-08	6.57E-04	2.07E-07	6.03E-08
3782	474863.09, 3852377.25	4.91E-04	1.55E-07	4.51E-08	5.30E-04	1.67E-07	4.86E-08	8.41E-04	2.65E-07	7.72E-08
3783	475363.09, 3852377.25	5.10E-04	1.61E-07	4.69E-08	5.51E-04	1.74E-07	5.06E-08	8.74E-04	2.76E-07	8.03E-08
3784	475863.09, 3852377.25	5.23E-04	1.65E-07	4.80E-08	5.65E-04	1.78E-07	5.19E-08	8.96E-04	2.83E-07	8.22E-08
3785	476363.09, 3852377.25	5.24E-04	1.65E-07	4.81E-08	5.65E-04	1.78E-07	5.19E-08	8.96E-04	2.83E-07	8.23E-08
3786	476863.09, 3852377.25	5.68E-04	1.79E-07	5.22E-08	6.13E-04	1.93E-07	5.63E-08	9.72E-04	3.07E-07	8.93E-08
3787	477363.09, 3852377.25	6.02E-04	1.90E-07	5.52E-08	6.49E-04	2.05E-07	5.96E-08	1.03E-03	3.25E-07	9.46E-08
3788	477863.09, 3852377.25	5.46E-04	1.72E-07	5.01E-08	5.90E-04	1.86E-07	5.41E-08	9.36E-04	2.95E-07	8.59E-08
3789	478363.09, 3852377.25	5.18E-04	1.64E-07	4.76E-08	5.59E-04	1.76E-07	5.13E-08	8.87E-04	2.80E-07	8.15E-08
3790	478863.09, 3852377.25	6.95E-04	2.19E-07	6.38E-08	7.49E-04	2.37E-07	6.88E-08	1.19E-03	3.74E-07	1.09E-07
3791	479363.09, 3852377.25	8.24E-04	2.60E-07	7.57E-08	8.89E-04	2.81E-07	8.16E-08	1.41E-03	4.44E-07	1.29E-07
3792	479863.09, 3852377.25	1.04E-03	3.30E-07	9.59E-08	1.13E-03	3.56E-07	1.03E-07	1.78E-03	5.63E-07	1.64E-07
3793	480363.09, 3852377.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.03E-07	1.17E-07	2.00E-03	6.33E-07	1.84E-07
3794	480863.09, 3852377.25	1.42E-03	4.47E-07	1.30E-07	1.53E-03	4.82E-07	1.40E-07	2.40E-03	7.56E-07	2.20E-07
3795	481363.09, 3852377.25	1.71E-03	5.40E-07	1.57E-07	1.84E-03	5.82E-07	1.69E-07	2.90E-03	9.17E-07	2.67E-07
3796	481863.09, 3852377.25	1.69E-03	5.34E-07	1.55E-07	1.82E-03	5.75E-07	1.67E-07	2.85E-03	9.01E-07	2.62E-07
3797	482363.09, 3852377.25	1.48E-03	4.66E-07	1.35E-07	1.59E-03	5.02E-07	1.46E-07	2.48E-03	7.84E-07	2.28E-07
3798	482863.09, 3852377.25	1.22E-03	3.86E-07	1.12E-07	1.32E-03	4.16E-07	1.21E-07	2.07E-03	6.52E-07	1.90E-07
3799	483363.09, 3852377.25	8.11E-04	2.56E-07	7.45E-08	8.73E-04	2.76E-07	8.02E-08	1.36E-03	4.31E-07	1.25E-07
3800	483863.09, 3852377.25	6.35E-04	2.00E-07	5.83E-08	6.84E-04	2.16E-07	6.28E-08	1.07E-03	3.37E-07	9.81E-08
3801	484363.09, 3852377.25	7.05E-04	2.23E-07	6.47E-08	7.60E-04	2.40E-07	6.97E-08	1.19E-03	3.75E-07	1.09E-07
3802	484863.09, 3852377.25	7.52E-04	2.37E-07	6.90E-08	8.10E-04	2.56E-07	7.44E-08	1.27E-03	4.00E-07	1.16E-07
3803	485363.09, 3852377.25	8.03E-04	2.53E-07	7.37E-08	8.64E-04	2.73E-07	7.94E-08	1.35E-03	4.27E-07	1.24E-07
3804	485863.09, 3852377.25	7.51E-04	2.37E-07	6.90E-08	8.10E-04	2.56E-07	7.43E-08	1.27E-03	4.02E-07	1.17E-07
3805	486363.09, 3852377.25	6.67E-04	2.10E-07	6.12E-08	7.19E-04	2.27E-07	6.60E-08	1.14E-03	3.59E-07	1.05E-07
3806	486863.09, 3852377.25	6.75E-04	2.13E-07	6.19E-08	7.28E-04	2.30E-07	6.68E-08	1.16E-03	3.65E-07	1.06E-07
3807	487363.09, 3852377.25	6.66E-04	2.10E-07	6.12E-08	7.20E-04	2.27E-07	6.61E-08	1.15E-03	3.62E-07	1.05E-07
3808	487863.09, 3852377.25	6.65E-04	2.10E-07	6.11E-08	7.18E-04	2.27E-07	6.60E-08	1.15E-03	3.62E-07	1.05E-07
3809	488363.09, 3852377.25	6.62E-04	2.09E-07	6.08E-08	7.15E-04	2.26E-07	6.57E-08	1.14E-03	3.61E-07	1.05E-07
3810	488863.09, 3852377.25	6.52E-04	2.06E-07	5.98E-08	7.04E-04	2.22E-07	6.47E-08	1.13E-03	3.56E-07	1.04E-07
3811	489363.09, 3852377.25	6.54E-04	2.07E-07	6.01E-08	7.07E-04	2.23E-07	6.49E-08	1.13E-03	3.57E-07	1.04E-07
3812	489863.09, 3852377.25	6.30E-04	1.99E-07	5.78E-08	6.80E-04	2.15E-07	6.25E-08	1.09E-03	3.44E-07	1.00E-07
3813	490363.09, 3852377.25	7.04E-04	2.22E-07	6.47E-08	7.61E-04	2.40E-07	6.99E-08	1.22E-03	3.84E-07	1.12E-07
3814	490863.09, 3852377.25	7.65E-04	2.41E-07	7.02E-08	8.26E-04	2.61E-07	7.59E-08	1.32E-03	4.17E-07	1.21E-07
3815	491363.09, 3852377.25	8.93E-04	2.82E-07	8.20E-08	9.65E-04	3.04E-07	8.86E-08	1.54E-03	4.86E-07	1.41E-07
3816	491863.09, 3852377.25	9.23E-04	2.91E-07	8.48E-08	9.97E-04	3.15E-07	9.15E-08	1.59E-03	5.02E-07	1.46E-07
3817	492363.09, 3852377.25	9.36E-04	2.95E-07	8.59E-08	1.01E-03	3.19E-07	9.28E-08	1.61E-03	5.09E-07	1.48E-07
3818	492863.09, 3852377.25	9.92E-04	3.13E-07	9.10E-08	1.07E-03	3.38E-07	9.83E-08	1.71E-03	5.39E-07	1.57E-07
3819	493363.09, 3852377.25	1.09E-03	3.43E-07	9.98E-08	1.17E-03	3.71E-07	1.08E-07	1.87E-03	5.91E-07	1.72E-07
3820	493863.09, 3852377.25	1.08E-03	3.40E-07	9.89E-08	1.16E-03	3.67E-07	1.07E-07	1.86E-03	5.86E-07	1.70E-07
3821	494363.09, 3852377.25	1.07E-03	3.38E-07	9.84E-08	1.16E-03	3.65E-07	1.06E-07	1.85E-03	5.83E-07	1.69E-07
3822	494863.09, 3852377.25	1.12E-03	3.54E-07	1.03E-07	1.21E-03	3.82E-07	1.11E-07	1.93E-03	6.10E-07	1.77E-07
3823	495363.09, 3852377.25	1.17E-03	3.70E-07	1.08E-07	1.27E-03	3.99E-07	1.16E-07	2.02E-03	6.37E-07	1.85E-07
3824	495863.09, 3852377.25	1.13E-03	3.57E-07	1.04E-07	1.22E-03	3.85E-07	1.12E-07	1.95E-03	6.15E-07	1.79E-07
3825	496363.09, 3852377.25	1.08E-03	3.42E-07	9.96E-08	1.17E-03	3.70E-07	1.08E-07	1.87E-03	5.90E-07	1.72E-07
3826	496863.09, 3852377.25	1.05E-03	3.32E-07	9.67E-08	1.14E-03	3.59E-07	1.04E-07	1.82E-03	5.73E-07	1.67E-07
3827	497363.09, 3852377.25	9.63E-04	3.04E-07	8.84E-08	1.04E-03	3.28E-07	9.55E-08	1.66E-03	5.24E-07	1.52E-07
3828	497863.09, 3852377.25	8.78E-04	2.77E-07	8.06E-08	9.48E-04	2.99E-07	8.70E-08	1.51E-03	4.78E-07	1.39E-07
3829	498363.09, 3852377.25	8.00E-04	2.53E-07	7.35E-08	8.65E-04	2.73E-07	7.94E-08	1.38E-03	4.36E-07	1.27E-07
3830	471363.09, 3852877.25	2.79E-04	8.81E-08	2.56E-08	3.02E-04	9.52E-08	2.77E-08	4.80E-04	1.51E-07	4.41E-08
3831	471863.09, 3852877.25	3.10E-04	9.80E-08	2.85E-08	3.35E-04	1.06E-07	3.08E-08	5.33E-04	1.68E-07	4.89E-08
3832	472363.09, 3852877.25	3.45E-04	1.09E-07	3.17E-08	3.73E-04	1.18E-07	3.42E-08	5.93E-04	1.87E-07	5.44E-08
3833	472863.09, 3852877.25	3.74E-04	1.18E-07	3.43E-08	4.04E-04	1.27E-07	3.70E-08	6.42E-04	2.02E-07	5.89E-08
3834	473363.09, 3852877.25	4.05E-04	1.28E-07	3.72E-08	4.37E-04	1.38E-07	4.01E-08	6.95E-04	2.19E-07	6.38E-08
3835	473863.09, 3852877.25	4.45E-04	1.40E-07	4.08E-08	4.80E-04	1.52E-07	4.41E-08	7.63E-04	2.41E-07	7.00E-08
3836	474363.09, 3852877.25	4.84E-04	1.53E-07	4.44E-08	5.23E-04	1.65E-07	4.80E-08	8.30E-04	2.62E-07	7.62E-08
3837	474863.09, 3852877.25	4.55E-04	1.43E-07	4.17E-08	4.91E-04	1.55E-07	4.50E-08	7.80E-04	2.46E-07	7.16E-08
3838	475363.09, 3852877.25	5.03E-04	1.59E-07	4.61E-08	5.42E-04	1.71E-07	4.98E-08	8.62E-04	2.72E-07	7.91E-08
3839	475863.09, 3852877.25	5.23E-04	1.65E-07	4.80E-08	5.64E-04	1.78E-07	5.18E-08	8.96E-04	2.83E-07	8.23E-08

3840	476363.09, 3852877.25	4.99E-04	1.58E-07	4.59E-08	5.39E-04	1.70E-07	4.95E-08	8.56E-04	2.70E-07	7.86E-08
3841	476863.09, 3852877.25	4.47E-04	1.41E-07	4.10E-08	4.82E-04	1.52E-07	4.43E-08	7.65E-04	2.42E-07	7.03E-08
3842	477363.09, 3852877.25	4.15E-04	1.31E-07	3.81E-08	4.48E-04	1.41E-07	4.12E-08	7.12E-04	2.25E-07	6.54E-08
3843	477863.09, 3852877.25	3.84E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.59E-04	2.08E-07	6.05E-08
3844	478363.09, 3852877.25	3.21E-04	1.01E-07	2.95E-08	3.47E-04	1.09E-07	3.18E-08	5.53E-04	1.74E-07	5.08E-08
3845	478863.09, 3852877.25	3.80E-04	1.20E-07	3.49E-08	4.10E-04	1.29E-07	3.77E-08	6.54E-04	2.06E-07	6.01E-08
3846	479363.09, 3852877.25	5.29E-04	1.67E-07	4.86E-08	5.71E-04	1.80E-07	5.24E-08	9.07E-04	2.86E-07	8.33E-08
3847	479863.09, 3852877.25	9.99E-04	3.15E-07	9.17E-08	1.08E-03	3.40E-07	9.89E-08	1.71E-03	5.38E-07	1.57E-07
3848	480363.09, 3852877.25	1.44E-03	4.55E-07	1.32E-07	1.56E-03	4.91E-07	1.43E-07	2.46E-03	7.77E-07	2.26E-07
3849	480863.09, 3852877.25	1.53E-03	4.82E-07	1.40E-07	1.65E-03	5.20E-07	1.51E-07	2.60E-03	8.19E-07	2.38E-07
3850	481363.09, 3852877.25	1.90E-03	6.01E-07	1.75E-07	2.05E-03	6.48E-07	1.88E-07	3.23E-03	1.02E-06	2.96E-07
3851	481863.09, 3852877.25	2.32E-03	7.32E-07	2.13E-07	2.50E-03	7.89E-07	2.29E-07	3.94E-03	1.24E-06	3.61E-07
3852	482363.09, 3852877.25	2.25E-03	7.09E-07	2.06E-07	2.42E-03	7.64E-07	2.22E-07	3.77E-03	1.19E-06	3.46E-07
3853	482863.09, 3852877.25	2.04E-03	6.45E-07	1.88E-07	2.20E-03	6.95E-07	2.02E-07	3.43E-03	1.08E-06	3.15E-07
3854	483363.09, 3852877.25	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.33E-07	1.55E-07	2.63E-03	8.30E-07	2.42E-07
3855	483863.09, 3852877.25	1.01E-03	3.17E-07	9.23E-08	1.08E-03	3.41E-07	9.93E-08	1.68E-03	5.30E-07	1.54E-07
3856	484363.09, 3852877.25	1.20E-03	3.77E-07	1.10E-07	1.29E-03	4.06E-07	1.18E-07	2.00E-03	6.30E-07	1.83E-07
3857	484863.09, 3852877.25	1.30E-03	4.10E-07	1.19E-07	1.40E-03	4.42E-07	1.29E-07	2.19E-03	6.90E-07	2.01E-07
3858	485363.09, 3852877.25	9.84E-04	3.11E-07	9.03E-08	1.06E-03	3.35E-07	9.74E-08	1.67E-03	5.27E-07	1.53E-07
3859	485863.09, 3852877.25	9.48E-04	2.99E-07	8.70E-08	1.02E-03	3.23E-07	9.39E-08	1.62E-03	5.12E-07	1.49E-07
3860	486363.09, 3852877.25	9.09E-04	2.87E-07	8.34E-08	9.82E-04	3.10E-07	9.01E-08	1.57E-03	4.95E-07	1.44E-07
3861	486863.09, 3852877.25	9.42E-04	2.97E-07	8.64E-08	1.02E-03	3.21E-07	9.34E-08	1.63E-03	5.14E-07	1.49E-07
3862	487363.09, 3852877.25	9.27E-04	2.93E-07	8.51E-08	1.00E-03	3.16E-07	9.20E-08	1.61E-03	5.07E-07	1.47E-07
3863	487863.09, 3852877.25	9.24E-04	2.92E-07	8.48E-08	9.99E-04	3.15E-07	9.17E-08	1.60E-03	5.05E-07	1.47E-07
3864	488363.09, 3852877.25	7.61E-04	2.40E-07	6.99E-08	8.23E-04	2.60E-07	7.55E-08	1.32E-03	4.17E-07	1.21E-07
3865	488863.09, 3852877.25	8.39E-04	2.65E-07	7.70E-08	9.07E-04	2.86E-07	8.33E-08	1.45E-03	4.59E-07	1.33E-07
3866	489363.09, 3852877.25	8.78E-04	2.77E-07	8.06E-08	9.49E-04	3.00E-07	8.71E-08	1.52E-03	4.80E-07	1.40E-07
3867	489863.09, 3852877.25	9.10E-04	2.87E-07	8.35E-08	9.83E-04	3.10E-07	9.02E-08	1.57E-03	4.96E-07	1.44E-07
3868	490363.09, 3852877.25	1.12E-03	3.54E-07	1.03E-07	1.21E-03	3.82E-07	1.11E-07	1.93E-03	6.10E-07	1.78E-07
3869	490863.09, 3852877.25	1.22E-03	3.86E-07	1.12E-07	1.32E-03	4.17E-07	1.21E-07	2.11E-03	6.65E-07	1.93E-07
3870	491363.09, 3852877.25	1.30E-03	4.11E-07	1.20E-07	1.41E-03	4.44E-07	1.29E-07	2.24E-03	7.08E-07	2.06E-07
3871	491863.09, 3852877.25	1.33E-03	4.19E-07	1.22E-07	1.43E-03	4.52E-07	1.32E-07	2.29E-03	7.21E-07	2.10E-07
3872	492363.09, 3852877.25	1.36E-03	4.30E-07	1.25E-07	1.47E-03	4.64E-07	1.35E-07	2.35E-03	7.41E-07	2.15E-07
3873	492863.09, 3852877.25	1.45E-03	4.57E-07	1.33E-07	1.56E-03	4.94E-07	1.44E-07	2.49E-03	7.87E-07	2.29E-07
3874	493363.09, 3852877.25	1.50E-03	4.75E-07	1.38E-07	1.62E-03	5.13E-07	1.49E-07	2.59E-03	8.17E-07	2.38E-07
3875	493863.09, 3852877.25	1.49E-03	4.69E-07	1.36E-07	1.60E-03	5.07E-07	1.47E-07	2.56E-03	8.08E-07	2.35E-07
3876	494363.09, 3852877.25	1.47E-03	4.65E-07	1.35E-07	1.59E-03	5.02E-07	1.46E-07	2.54E-03	8.00E-07	2.33E-07
3877	494863.09, 3852877.25	1.48E-03	4.68E-07	1.36E-07	1.60E-03	5.05E-07	1.47E-07	2.55E-03	8.06E-07	2.34E-07
3878	495363.09, 3852877.25	1.41E-03	4.44E-07	1.29E-07	1.52E-03	4.79E-07	1.39E-07	2.42E-03	7.65E-07	2.22E-07
3879	495863.09, 3852877.25	1.33E-03	4.20E-07	1.22E-07	1.44E-03	4.54E-07	1.32E-07	2.29E-03	7.24E-07	2.11E-07
3880	496363.09, 3852877.25	1.31E-03	4.12E-07	1.20E-07	1.41E-03	4.45E-07	1.29E-07	2.25E-03	7.10E-07	2.07E-07
3881	496863.09, 3852877.25	1.25E-03	3.94E-07	1.15E-07	1.35E-03	4.25E-07	1.24E-07	2.15E-03	6.78E-07	1.97E-07
3882	497363.09, 3852877.25	1.08E-03	3.42E-07	9.94E-08	1.17E-03	3.69E-07	1.07E-07	1.87E-03	5.89E-07	1.71E-07
3883	497863.09, 3852877.25	8.50E-04	2.68E-07	7.80E-08	9.18E-04	2.90E-07	8.43E-08	1.47E-03	4.62E-07	1.35E-07
3884	498363.09, 3852877.25	8.03E-04	2.53E-07	7.37E-08	8.67E-04	2.74E-07	7.96E-08	1.38E-03	4.37E-07	1.27E-07
3885	471363.09, 3853377.25	2.88E-04	9.09E-08	2.64E-08	3.11E-04	9.81E-08	2.85E-08	4.95E-04	1.56E-07	4.54E-08
3886	471863.09, 3853377.25	3.15E-04	9.94E-08	2.89E-08	3.40E-04	1.07E-07	3.12E-08	5.41E-04	1.71E-07	4.97E-08
3887	472363.09, 3853377.25	3.45E-04	1.09E-07	3.17E-08	3.72E-04	1.18E-07	3.42E-08	5.92E-04	1.87E-07	5.44E-08
3888	472863.09, 3853377.25	3.76E-04	1.19E-07	3.45E-08	4.06E-04	1.28E-07	3.73E-08	6.45E-04	2.04E-07	5.93E-08
3889	473363.09, 3853377.25	4.02E-04	1.27E-07	3.69E-08	4.34E-04	1.37E-07	3.98E-08	6.90E-04	2.18E-07	6.33E-08
3890	473863.09, 3853377.25	4.32E-04	1.36E-07	3.97E-08	4.66E-04	1.47E-07	4.28E-08	7.41E-04	2.34E-07	6.80E-08
3891	474363.09, 3853377.25	4.62E-04	1.46E-07	4.24E-08	4.99E-04	1.57E-07	4.58E-08	7.93E-04	2.50E-07	7.28E-08
3892	474863.09, 3853377.25	4.59E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.55E-08	7.86E-04	2.48E-07	7.22E-08
3893	475363.09, 3853377.25	4.66E-04	1.47E-07	4.28E-08	5.03E-04	1.59E-07	4.61E-08	7.98E-04	2.52E-07	7.33E-08
3894	475863.09, 3853377.25	4.68E-04	1.48E-07	4.29E-08	5.05E-04	1.59E-07	4.63E-08	8.01E-04	2.53E-07	7.35E-08
3895	476363.09, 3853377.25	4.34E-04	1.37E-07	3.98E-08	4.68E-04	1.48E-07	4.30E-08	7.43E-04	2.35E-07	6.82E-08
3896	476863.09, 3853377.25	3.73E-04	1.18E-07	3.43E-08	4.03E-04	1.27E-07	3.70E-08	6.41E-04	2.02E-07	5.88E-08
3897	477363.09, 3853377.25	3.71E-04	1.17E-07	3.41E-08	4.00E-04	1.26E-07	3.68E-08	6.37E-04	2.01E-07	5.85E-08
3898	477863.09, 3853377.25	3.88E-04	1.23E-07	3.56E-08	4.19E-04	1.32E-07	3.85E-08	6.67E-04	2.11E-07	6.12E-08
3899	478363.09, 3853377.25	3.52E-04	1.11E-07	3.23E-08	3.80E-04	1.20E-07	3.49E-08	6.06E-04	1.91E-07	5.57E-08
3900	478863.09, 3853377.25	2.95E-04	9.33E-08	2.71E-08	3.19E-04	1.01E-07	2.93E-08	5.11E-04	1.61E-07	4.69E-08

3901 479363.09, 3853377.25	4.65E-04	1.47E-07	4.27E-08	5.03E-04	1.59E-07	4.61E-08	8.01E-04	2.53E-07	7.35E-08
3902 479863.09, 3853377.25	7.10E-04	2.24E-07	6.51E-08	7.66E-04	2.42E-07	7.03E-08	1.22E-03	3.84E-07	1.12E-07
3903 480363.09, 3853377.25	1.36E-03	4.28E-07	1.25E-07	1.46E-03	4.62E-07	1.34E-07	2.32E-03	7.33E-07	2.13E-07
3904 480863.09, 3853377.25	1.39E-03	4.40E-07	1.28E-07	1.50E-03	4.75E-07	1.38E-07	2.38E-03	7.51E-07	2.18E-07
3905 481363.09, 3853377.25	2.08E-03	6.55E-07	1.91E-07	2.24E-03	7.07E-07	2.06E-07	3.55E-03	1.12E-06	3.26E-07
3906 481863.09, 3853377.25	2.91E-03	9.19E-07	2.67E-07	3.14E-03	9.91E-07	2.88E-07	4.94E-03	1.56E-06	4.53E-07
3907 482363.09, 3853377.25	3.72E-03	1.18E-06	3.42E-07	4.01E-03	1.26E-06	3.68E-07	6.24E-03	1.97E-06	5.73E-07
3908 482863.09, 3853377.25	3.88E-03	1.23E-06	3.57E-07	4.16E-03	1.31E-06	3.82E-07	6.22E-03	1.96E-06	5.71E-07
3909 483363.09, 3853377.25	3.25E-03	1.03E-06	2.98E-07	3.48E-03	1.10E-06	3.19E-07	5.15E-03	1.62E-06	4.73E-07
3910 483863.09, 3853377.25	2.69E-03	8.50E-07	2.47E-07	2.89E-03	9.12E-07	2.65E-07	4.39E-03	1.39E-06	4.03E-07
3911 484363.09, 3853377.25	2.65E-03	8.37E-07	2.43E-07	2.85E-03	9.00E-07	2.62E-07	4.44E-03	1.40E-06	4.07E-07
3912 484863.09, 3853377.25	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.04E-07	2.05E-07	3.52E-03	1.11E-06	3.24E-07
3913 485363.09, 3853377.25	1.49E-03	4.71E-07	1.37E-07	1.61E-03	5.09E-07	1.48E-07	2.58E-03	8.15E-07	2.37E-07
3914 485863.09, 3853377.25	1.26E-03	3.98E-07	1.16E-07	1.37E-03	4.31E-07	1.25E-07	2.20E-03	6.94E-07	2.02E-07
3915 486363.09, 3853377.25	1.37E-03	4.31E-07	1.25E-07	1.48E-03	4.66E-07	1.36E-07	2.38E-03	7.50E-07	2.18E-07
3916 486863.09, 3853377.25	1.43E-03	4.51E-07	1.31E-07	1.54E-03	4.88E-07	1.42E-07	2.48E-03	7.83E-07	2.28E-07
3917 487363.09, 3853377.25	1.54E-03	4.87E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.67E-03	8.44E-07	2.45E-07
3918 487863.09, 3853377.25	1.62E-03	5.10E-07	1.48E-07	1.75E-03	5.51E-07	1.60E-07	2.79E-03	8.82E-07	2.57E-07
3919 488363.09, 3853377.25	1.71E-03	5.41E-07	1.57E-07	1.85E-03	5.84E-07	1.70E-07	2.96E-03	9.33E-07	2.71E-07
3920 488863.09, 3853377.25	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.88E-07	1.71E-07	2.97E-03	9.38E-07	2.73E-07
3921 489363.09, 3853377.25	1.73E-03	5.46E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.98E-03	9.40E-07	2.73E-07
3922 489863.09, 3853377.25	1.68E-03	5.32E-07	1.55E-07	1.82E-03	5.74E-07	1.67E-07	2.90E-03	9.16E-07	2.66E-07
3923 490363.09, 3853377.25	1.78E-03	5.62E-07	1.63E-07	1.92E-03	6.07E-07	1.77E-07	3.07E-03	9.67E-07	2.81E-07
3924 490863.09, 3853377.25	1.83E-03	5.76E-07	1.68E-07	1.97E-03	6.22E-07	1.81E-07	3.14E-03	9.92E-07	2.89E-07
3925 491363.09, 3853377.25	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.22E-03	1.02E-06	2.95E-07
3926 491863.09, 3853377.25	1.90E-03	6.01E-07	1.75E-07	2.05E-03	6.49E-07	1.89E-07	3.27E-03	1.03E-06	3.01E-07
3927 492363.09, 3853377.25	1.98E-03	6.24E-07	1.81E-07	2.13E-03	6.74E-07	1.96E-07	3.40E-03	1.07E-06	3.12E-07
3928 492863.09, 3853377.25	2.04E-03	6.43E-07	1.87E-07	2.20E-03	6.95E-07	2.02E-07	3.51E-03	1.11E-06	3.22E-07
3929 493363.09, 3853377.25	2.03E-03	6.40E-07	1.86E-07	2.19E-03	6.92E-07	2.01E-07	3.49E-03	1.10E-06	3.21E-07
3930 493863.09, 3853377.25	1.99E-03	6.29E-07	1.83E-07	2.15E-03	6.79E-07	1.98E-07	3.43E-03	1.08E-06	3.15E-07
3931 494363.09, 3853377.25	1.90E-03	6.00E-07	1.75E-07	2.05E-03	6.48E-07	1.89E-07	3.28E-03	1.03E-06	3.01E-07
3932 494863.09, 3853377.25	1.78E-03	5.63E-07	1.64E-07	1.93E-03	6.08E-07	1.77E-07	3.07E-03	9.70E-07	2.82E-07
3933 495363.09, 3853377.25	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.87E-07	1.71E-07	2.97E-03	9.37E-07	2.72E-07
3934 495863.09, 3853377.25	1.63E-03	5.14E-07	1.50E-07	1.76E-03	5.55E-07	1.61E-07	2.81E-03	8.86E-07	2.58E-07
3935 496363.09, 3853377.25	1.50E-03	4.75E-07	1.38E-07	1.62E-03	5.13E-07	1.49E-07	2.59E-03	8.18E-07	2.38E-07
3936 496863.09, 3853377.25	1.33E-03	4.20E-07	1.22E-07	1.44E-03	4.53E-07	1.32E-07	2.29E-03	7.23E-07	2.10E-07
3937 497363.09, 3853377.25	1.13E-03	3.56E-07	1.04E-07	1.22E-03	3.85E-07	1.12E-07	1.94E-03	6.14E-07	1.79E-07
3938 497863.09, 3853377.25	7.99E-04	2.52E-07	7.33E-08	8.63E-04	2.72E-07	7.92E-08	1.38E-03	4.35E-07	1.26E-07
3939 498363.09, 3853377.25	6.47E-04	2.04E-07	5.94E-08	6.99E-04	2.21E-07	6.42E-08	1.12E-03	3.52E-07	1.02E-07
3940 471363.09, 3853877.25	2.99E-04	9.43E-08	2.74E-08	3.23E-04	1.02E-07	2.96E-08	5.14E-04	1.62E-07	4.72E-08
3941 471863.09, 3853877.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.65E-04	1.78E-07	5.18E-08
3942 472363.09, 3853877.25	3.48E-04	1.10E-07	3.20E-08	3.76E-04	1.19E-07	3.45E-08	5.99E-04	1.89E-07	5.50E-08
3943 472863.09, 3853877.25	3.75E-04	1.18E-07	3.44E-08	4.05E-04	1.28E-07	3.71E-08	6.44E-04	2.03E-07	5.91E-08
3944 473363.09, 3853877.25	3.93E-04	1.24E-07	3.61E-08	4.25E-04	1.34E-07	3.90E-08	6.76E-04	2.13E-07	6.20E-08
3945 473863.09, 3853877.25	4.15E-04	1.31E-07	3.81E-08	4.48E-04	1.41E-07	4.12E-08	7.13E-04	2.25E-07	6.55E-08
3946 474363.09, 3853877.25	4.47E-04	1.41E-07	4.10E-08	4.82E-04	1.52E-07	4.43E-08	7.67E-04	2.42E-07	7.04E-08
3947 474863.09, 3853877.25	4.73E-04	1.49E-07	4.34E-08	5.11E-04	1.61E-07	4.69E-08	8.12E-04	2.56E-07	7.45E-08
3948 475363.09, 3853877.25	4.63E-04	1.46E-07	4.25E-08	5.00E-04	1.58E-07	4.59E-08	7.94E-04	2.51E-07	7.29E-08
3949 475863.09, 3853877.25	4.04E-04	1.27E-07	3.71E-08	4.36E-04	1.38E-07	4.00E-08	6.93E-04	2.19E-07	6.36E-08
3950 476363.09, 3853877.25	3.51E-04	1.11E-07	3.23E-08	3.79E-04	1.20E-07	3.48E-08	6.04E-04	1.91E-07	5.54E-08
3951 476863.09, 3853877.25	2.92E-04	9.22E-08	2.68E-08	3.15E-04	9.96E-08	2.90E-08	5.03E-04	1.59E-07	4.62E-08
3952 477363.09, 3853877.25	3.19E-04	1.01E-07	2.93E-08	3.44E-04	1.09E-07	3.16E-08	5.49E-04	1.73E-07	5.04E-08
3953 477863.09, 3853877.25	3.65E-04	1.15E-07	3.35E-08	3.94E-04	1.24E-07	3.62E-08	6.28E-04	1.98E-07	5.77E-08
3954 478363.09, 3853877.25	3.91E-04	1.23E-07	3.58E-08	4.22E-04	1.33E-07	3.87E-08	6.72E-04	2.12E-07	6.17E-08
3955 478863.09, 3853877.25	3.06E-04	9.66E-08	2.81E-08	3.31E-04	1.04E-07	3.04E-08	5.29E-04	1.67E-07	4.86E-08
3956 479363.09, 3853877.25	4.09E-04	1.29E-07	3.75E-08	4.41E-04	1.39E-07	4.05E-08	7.05E-04	2.22E-07	6.47E-08
3957 479863.09, 3853877.25	7.26E-04	2.29E-07	6.67E-08	7.84E-04	2.47E-07	7.20E-08	1.25E-03	3.93E-07	1.14E-07
3958 480363.09, 3853877.25	1.10E-03	3.47E-07	1.01E-07	1.19E-03	3.74E-07	1.09E-07	1.88E-03	5.94E-07	1.73E-07
3959 480863.09, 3853877.25	1.99E-03	6.28E-07	1.83E-07	2.15E-03	6.78E-07	1.97E-07	3.41E-03	1.08E-06	3.13E-07
3960 481363.09, 3853877.25	2.85E-03	9.00E-07	2.62E-07	3.08E-03	9.72E-07	2.83E-07	4.90E-03	1.55E-06	4.50E-07
3961 481863.09, 3853877.25	4.10E-03	1.29E-06	3.76E-07	4.43E-03	1.40E-06	4.06E-07	7.05E-03	2.23E-06	6.48E-07

3962	482363.09, 3853877.25	6.10E-03	1.93E-06	5.60E-07	6.59E-03	2.08E-06	6.05E-07	1.05E-02	3.32E-06	9.65E-07
3963	482863.09, 3853877.25	2.88E-02	9.10E-06	2.65E-06	3.15E-02	9.95E-06	2.89E-06	5.46E-02	1.72E-05	5.01E-06
3964	483363.09, 3853877.25	1.11E-02	3.50E-06	1.02E-06	1.20E-02	3.79E-06	1.10E-06	1.93E-02	6.08E-06	1.77E-06
3965	483863.09, 3853877.25	7.82E-03	2.47E-06	7.18E-07	8.47E-03	2.67E-06	7.77E-07	1.37E-02	4.32E-06	1.26E-06
3966	484363.09, 3853877.25	5.25E-03	1.66E-06	4.82E-07	5.68E-03	1.79E-06	5.21E-07	9.21E-03	2.91E-06	8.46E-07
3967	484863.09, 3853877.25	3.62E-03	1.14E-06	3.33E-07	3.92E-03	1.24E-06	3.60E-07	6.38E-03	2.01E-06	5.86E-07
3968	485363.09, 3853877.25	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.69E-07	2.53E-07	4.48E-03	1.41E-06	4.11E-07
3969	485863.09, 3853877.25	2.73E-03	8.63E-07	2.51E-07	2.96E-03	9.34E-07	2.72E-07	4.78E-03	1.51E-06	4.39E-07
3970	486363.09, 3853877.25	2.67E-03	8.43E-07	2.45E-07	2.89E-03	9.11E-07	2.65E-07	4.64E-03	1.47E-06	4.26E-07
3971	486863.09, 3853877.25	2.54E-03	8.02E-07	2.33E-07	2.75E-03	8.66E-07	2.52E-07	4.40E-03	1.39E-06	4.04E-07
3972	487363.09, 3853877.25	2.61E-03	8.25E-07	2.40E-07	2.82E-03	8.91E-07	2.59E-07	4.51E-03	1.42E-06	4.14E-07
3973	487863.09, 3853877.25	2.85E-03	8.99E-07	2.62E-07	3.08E-03	9.71E-07	2.83E-07	4.91E-03	1.55E-06	4.51E-07
3974	488363.09, 3853877.25	2.90E-03	9.16E-07	2.66E-07	3.13E-03	9.89E-07	2.88E-07	4.99E-03	1.58E-06	4.58E-07
3975	488863.09, 3853877.25	3.03E-03	9.57E-07	2.78E-07	3.27E-03	1.03E-06	3.01E-07	5.21E-03	1.65E-06	4.79E-07
3976	489363.09, 3853877.25	2.84E-03	8.97E-07	2.61E-07	3.07E-03	9.68E-07	2.82E-07	4.88E-03	1.54E-06	4.48E-07
3977	489863.09, 3853877.25	2.85E-03	8.99E-07	2.62E-07	3.08E-03	9.71E-07	2.82E-07	4.90E-03	1.55E-06	4.49E-07
3978	490363.09, 3853877.25	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
3979	490863.09, 3853877.25	2.74E-03	8.64E-07	2.51E-07	2.95E-03	9.32E-07	2.71E-07	4.70E-03	1.48E-06	4.32E-07
3980	491363.09, 3853877.25	2.72E-03	8.60E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
3981	491863.09, 3853877.25	2.70E-03	8.52E-07	2.48E-07	2.92E-03	9.20E-07	2.68E-07	4.64E-03	1.47E-06	4.26E-07
3982	492363.09, 3853877.25	2.77E-03	8.73E-07	2.54E-07	2.99E-03	9.43E-07	2.74E-07	4.76E-03	1.50E-06	4.37E-07
3983	492863.09, 3853877.25	2.76E-03	8.72E-07	2.54E-07	2.98E-03	9.41E-07	2.74E-07	4.75E-03	1.50E-06	4.36E-07
3984	493363.09, 3853877.25	2.66E-03	8.40E-07	2.44E-07	2.88E-03	9.07E-07	2.64E-07	4.58E-03	1.45E-06	4.21E-07
3985	493863.09, 3853877.25	2.53E-03	7.98E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.36E-03	1.38E-06	4.00E-07
3986	494363.09, 3853877.25	2.42E-03	7.65E-07	2.23E-07	2.62E-03	8.27E-07	2.40E-07	4.18E-03	1.32E-06	3.84E-07
3987	494863.09, 3853877.25	2.27E-03	7.16E-07	2.08E-07	2.45E-03	7.73E-07	2.25E-07	3.91E-03	1.23E-06	3.59E-07
3988	495363.09, 3853877.25	1.97E-03	6.21E-07	1.81E-07	2.12E-03	6.71E-07	1.95E-07	3.39E-03	1.07E-06	3.11E-07
3989	495863.09, 3853877.25	1.74E-03	5.50E-07	1.60E-07	1.88E-03	5.94E-07	1.73E-07	3.00E-03	9.47E-07	2.75E-07
3990	496363.09, 3853877.25	1.60E-03	5.04E-07	1.47E-07	1.73E-03	5.45E-07	1.58E-07	2.75E-03	8.69E-07	2.53E-07
3991	496863.09, 3853877.25	1.37E-03	4.31E-07	1.25E-07	1.47E-03	4.66E-07	1.35E-07	2.35E-03	7.43E-07	2.16E-07
3992	497363.09, 3853877.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.04E-07	1.17E-07	2.04E-03	6.44E-07	1.87E-07
3993	497863.09, 3853877.25	9.58E-04	3.02E-07	8.80E-08	1.03E-03	3.27E-07	9.50E-08	1.65E-03	5.21E-07	1.52E-07
3994	498363.09, 3853877.25	8.27E-04	2.61E-07	7.59E-08	8.93E-04	2.82E-07	8.20E-08	1.43E-03	4.50E-07	1.31E-07
3995	471363.09, 3854377.25	3.10E-04	9.79E-08	2.85E-08	3.35E-04	1.06E-07	3.08E-08	5.33E-04	1.68E-07	4.89E-08
3996	471863.09, 3854377.25	3.42E-04	1.08E-07	3.14E-08	3.69E-04	1.16E-07	3.39E-08	5.87E-04	1.85E-07	5.39E-08
3997	472363.09, 3854377.25	3.65E-04	1.15E-07	3.35E-08	3.94E-04	1.24E-07	3.61E-08	6.26E-04	1.98E-07	5.75E-08
3998	472863.09, 3854377.25	3.82E-04	1.20E-07	3.50E-08	4.12E-04	1.30E-07	3.78E-08	6.55E-04	2.07E-07	6.01E-08
3999	473363.09, 3854377.25	4.07E-04	1.28E-07	3.73E-08	4.39E-04	1.39E-07	4.03E-08	6.98E-04	2.20E-07	6.41E-08
4000	473863.09, 3854377.25	4.39E-04	1.38E-07	4.03E-08	4.74E-04	1.49E-07	4.35E-08	7.52E-04	2.37E-07	6.91E-08
4001	474363.09, 3854377.25	4.73E-04	1.49E-07	4.34E-08	5.11E-04	1.61E-07	4.69E-08	8.12E-04	2.56E-07	7.46E-08
4002	474863.09, 3854377.25	4.56E-04	1.44E-07	4.18E-08	4.92E-04	1.55E-07	4.52E-08	7.82E-04	2.47E-07	7.18E-08
4003	475363.09, 3854377.25	3.98E-04	1.26E-07	3.66E-08	4.30E-04	1.36E-07	3.95E-08	6.83E-04	2.16E-07	6.27E-08
4004	475863.09, 3854377.25	2.95E-04	9.32E-08	2.71E-08	3.19E-04	1.01E-07	2.93E-08	5.08E-04	1.60E-07	4.66E-08
4005	476363.09, 3854377.25	2.78E-04	8.77E-08	2.55E-08	3.00E-04	9.47E-08	2.75E-08	4.78E-04	1.51E-07	4.39E-08
4006	476863.09, 3854377.25	2.77E-04	8.75E-08	2.55E-08	3.00E-04	9.45E-08	2.75E-08	4.78E-04	1.51E-07	4.39E-08
4007	477363.09, 3854377.25	2.84E-04	8.95E-08	2.60E-08	3.06E-04	9.67E-08	2.81E-08	4.89E-04	1.54E-07	4.49E-08
4008	477863.09, 3854377.25	2.96E-04	9.34E-08	2.72E-08	3.20E-04	1.01E-07	2.93E-08	5.10E-04	1.61E-07	4.68E-08
4009	478363.09, 3854377.25	3.45E-04	1.09E-07	3.16E-08	3.72E-04	1.18E-07	3.42E-08	5.94E-04	1.87E-07	5.45E-08
4010	478863.09, 3854377.25	3.80E-04	1.20E-07	3.49E-08	4.10E-04	1.30E-07	3.77E-08	6.54E-04	2.07E-07	6.01E-08
4011	479363.09, 3854377.25	5.63E-04	1.78E-07	5.17E-08	6.08E-04	1.92E-07	5.59E-08	9.68E-04	3.05E-07	8.88E-08
4012	479863.09, 3854377.25	7.36E-04	2.32E-07	6.76E-08	7.95E-04	2.51E-07	7.30E-08	1.26E-03	3.98E-07	1.16E-07
4013	480363.09, 3854377.25	1.06E-03	3.36E-07	9.77E-08	1.15E-03	3.62E-07	1.05E-07	1.82E-03	5.74E-07	1.67E-07
4014	480863.09, 3854377.25	1.81E-03	5.72E-07	1.66E-07	1.96E-03	6.18E-07	1.80E-07	3.09E-03	9.77E-07	2.84E-07
4015	481363.09, 3854377.25	3.06E-03	9.66E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.24E-03	1.66E-06	4.81E-07
4016	481863.09, 3854377.25	5.49E-03	1.73E-06	5.04E-07	5.93E-03	1.87E-06	5.44E-07	9.51E-03	3.00E-06	8.73E-07
4017	482363.09, 3854377.25	8.76E-03	2.76E-06	8.04E-07	9.48E-03	2.99E-06	8.70E-07	1.54E-02	4.85E-06	1.41E-06
4018	482863.09, 3854377.25	3.48E-02	1.10E-05	3.20E-06	3.78E-02	1.19E-05	3.47E-06	6.29E-02	1.99E-05	5.78E-06
4019	483363.09, 3854377.25	3.77E-02	1.19E-05	3.46E-06	4.11E-02	1.30E-05	3.77E-06	7.02E-02	2.22E-05	6.44E-06
4020	483863.09, 3854377.25	1.56E-02	4.92E-06	1.43E-06	1.69E-02	5.34E-06	1.55E-06	2.80E-02	8.83E-06	2.57E-06
4021	484363.09, 3854377.25	9.01E-03	2.84E-06	8.27E-07	9.76E-03	3.08E-06	8.96E-07	1.59E-02	5.03E-06	1.46E-06
4022	484863.09, 3854377.25	6.13E-03	1.94E-06	5.63E-07	6.64E-03	2.10E-06	6.09E-07	1.08E-02	3.40E-06	9.88E-07

4023 485363.09, 3854377.25	6.55E-03	2.07E-06	6.01E-07	7.08E-03	2.23E-06	6.50E-07	1.13E-02	3.58E-06	1.04E-06
4024 485863.09, 3854377.25	5.11E-03	1.61E-06	4.69E-07	5.52E-03	1.74E-06	5.07E-07	8.83E-03	2.79E-06	8.10E-07
4025 486363.09, 3854377.25	5.08E-03	1.60E-06	4.67E-07	5.49E-03	1.73E-06	5.04E-07	8.74E-03	2.76E-06	8.03E-07
4026 486863.09, 3854377.25	4.60E-03	1.45E-06	4.22E-07	4.97E-03	1.57E-06	4.56E-07	7.90E-03	2.49E-06	7.25E-07
4027 487363.09, 3854377.25	4.58E-03	1.44E-06	4.20E-07	4.94E-03	1.56E-06	4.53E-07	7.84E-03	2.48E-06	7.20E-07
4028 487863.09, 3854377.25	4.72E-03	1.49E-06	4.34E-07	5.10E-03	1.61E-06	4.68E-07	8.09E-03	2.55E-06	7.43E-07
4029 488363.09, 3854377.25	4.71E-03	1.49E-06	4.32E-07	5.08E-03	1.60E-06	4.66E-07	8.07E-03	2.55E-06	7.41E-07
4030 488863.09, 3854377.25	4.65E-03	1.47E-06	4.27E-07	5.02E-03	1.59E-06	4.61E-07	7.98E-03	2.52E-06	7.32E-07
4031 489363.09, 3854377.25	4.53E-03	1.43E-06	4.16E-07	4.89E-03	1.54E-06	4.49E-07	7.77E-03	2.45E-06	7.13E-07
4032 489863.09, 3854377.25	4.34E-03	1.37E-06	3.99E-07	4.69E-03	1.48E-06	4.31E-07	7.46E-03	2.35E-06	6.85E-07
4033 490363.09, 3854377.25	4.11E-03	1.30E-06	3.77E-07	4.44E-03	1.40E-06	4.07E-07	7.06E-03	2.23E-06	6.48E-07
4034 490863.09, 3854377.25	3.38E-03	1.07E-06	3.10E-07	3.64E-03	1.15E-06	3.35E-07	5.79E-03	1.83E-06	5.32E-07
4035 491363.09, 3854377.25	3.61E-03	1.14E-06	3.31E-07	3.89E-03	1.23E-06	3.58E-07	6.20E-03	1.96E-06	5.69E-07
4036 491863.09, 3854377.25	3.74E-03	1.18E-06	3.43E-07	4.04E-03	1.28E-06	3.71E-07	6.43E-03	2.03E-06	5.91E-07
4037 492363.09, 3854377.25	3.71E-03	1.17E-06	3.41E-07	4.01E-03	1.27E-06	3.68E-07	6.39E-03	2.02E-06	5.87E-07
4038 492863.09, 3854377.25	3.56E-03	1.12E-06	3.27E-07	3.84E-03	1.21E-06	3.53E-07	6.13E-03	1.93E-06	5.63E-07
4039 493363.09, 3854377.25	3.34E-03	1.05E-06	3.07E-07	3.61E-03	1.14E-06	3.31E-07	5.75E-03	1.82E-06	5.28E-07
4040 493863.09, 3854377.25	3.12E-03	9.84E-07	2.86E-07	3.37E-03	1.06E-06	3.09E-07	5.37E-03	1.70E-06	4.93E-07
4041 494363.09, 3854377.25	2.91E-03	9.19E-07	2.67E-07	3.15E-03	9.93E-07	2.89E-07	5.02E-03	1.58E-06	4.61E-07
4042 494863.09, 3854377.25	2.39E-03	7.54E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.11E-03	1.30E-06	3.77E-07
4043 495363.09, 3854377.25	1.92E-03	6.05E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.30E-03	1.04E-06	3.03E-07
4044 495863.09, 3854377.25	1.63E-03	5.13E-07	1.49E-07	1.76E-03	5.54E-07	1.61E-07	2.80E-03	8.83E-07	2.57E-07
4045 496363.09, 3854377.25	1.48E-03	4.68E-07	1.36E-07	1.60E-03	5.06E-07	1.47E-07	2.56E-03	8.06E-07	2.35E-07
4046 496863.09, 3854377.25	1.31E-03	4.13E-07	1.20E-07	1.41E-03	4.46E-07	1.30E-07	2.25E-03	7.11E-07	2.07E-07
4047 497363.09, 3854377.25	1.06E-03	3.34E-07	9.71E-08	1.14E-03	3.61E-07	1.05E-07	1.82E-03	5.75E-07	1.67E-07
4048 497863.09, 3854377.25	1.07E-03	3.38E-07	9.85E-08	1.16E-03	3.66E-07	1.06E-07	1.85E-03	5.83E-07	1.70E-07
4049 498363.09, 3854377.25	9.36E-04	2.95E-07	8.59E-08	1.01E-03	3.19E-07	9.28E-08	1.61E-03	5.09E-07	1.48E-07
4050 471363.09, 3854877.25	3.16E-04	9.97E-08	2.90E-08	3.41E-04	1.08E-07	3.13E-08	5.42E-04	1.71E-07	4.97E-08
4051 471863.09, 3854877.25	3.42E-04	1.08E-07	3.14E-08	3.69E-04	1.16E-07	3.39E-08	5.86E-04	1.85E-07	5.38E-08
4052 472363.09, 3854877.25	3.65E-04	1.15E-07	3.35E-08	3.94E-04	1.24E-07	3.62E-08	6.26E-04	1.98E-07	5.75E-08
4053 472863.09, 3854877.25	3.76E-04	1.19E-07	3.45E-08	4.06E-04	1.28E-07	3.73E-08	6.45E-04	2.04E-07	5.92E-08
4054 473363.09, 3854877.25	4.13E-04	1.30E-07	3.79E-08	4.46E-04	1.41E-07	4.09E-08	7.08E-04	2.23E-07	6.50E-08
4055 473863.09, 3854877.25	4.50E-04	1.42E-07	4.13E-08	4.86E-04	1.53E-07	4.46E-08	7.72E-04	2.44E-07	7.09E-08
4056 474363.09, 3854877.25	4.98E-04	1.57E-07	4.57E-08	5.38E-04	1.70E-07	4.94E-08	8.55E-04	2.70E-07	7.85E-08
4057 474863.09, 3854877.25	4.18E-04	1.32E-07	3.84E-08	4.51E-04	1.42E-07	4.14E-08	7.16E-04	2.26E-07	6.57E-08
4058 475363.09, 3854877.25	3.35E-04	1.06E-07	3.08E-08	3.62E-04	1.14E-07	3.32E-08	5.75E-04	1.81E-07	5.28E-08
4059 475863.09, 3854877.25	2.69E-04	8.48E-08	2.47E-08	2.90E-04	9.15E-08	2.66E-08	4.61E-04	1.46E-07	4.24E-08
4060 476363.09, 3854877.25	1.94E-04	6.11E-08	1.78E-08	2.09E-04	6.61E-08	1.92E-08	3.34E-04	1.05E-07	3.07E-08
4061 476863.09, 3854877.25	1.96E-04	6.20E-08	1.80E-08	2.12E-04	6.70E-08	1.95E-08	3.39E-04	1.07E-07	3.11E-08
4062 477363.09, 3854877.25	2.37E-04	7.46E-08	2.17E-08	2.55E-04	8.06E-08	2.35E-08	4.08E-04	1.29E-07	3.74E-08
4063 477863.09, 3854877.25	2.77E-04	8.74E-08	2.54E-08	2.99E-04	9.44E-08	2.75E-08	4.77E-04	1.50E-07	4.38E-08
4064 478363.09, 3854877.25	3.66E-04	1.16E-07	3.36E-08	3.96E-04	1.25E-07	3.63E-08	6.30E-04	1.99E-07	5.78E-08
4065 478863.09, 3854877.25	5.14E-04	1.62E-07	4.72E-08	5.54E-04	1.75E-07	5.09E-08	8.81E-04	2.78E-07	8.09E-08
4066 479363.09, 3854877.25	7.25E-04	2.29E-07	6.66E-08	7.83E-04	2.47E-07	7.19E-08	1.24E-03	3.92E-07	1.14E-07
4067 479863.09, 3854877.25	1.02E-03	3.22E-07	9.36E-08	1.10E-03	3.47E-07	1.01E-07	1.74E-03	5.49E-07	1.60E-07
4068 480363.09, 3854877.25	1.38E-03	4.36E-07	1.27E-07	1.49E-03	4.70E-07	1.37E-07	2.35E-03	7.43E-07	2.16E-07
4069 480863.09, 3854877.25	2.24E-03	7.07E-07	2.06E-07	2.42E-03	7.63E-07	2.22E-07	3.82E-03	1.21E-06	3.51E-07
4070 481363.09, 3854877.25	3.19E-03	1.01E-06	2.92E-07	3.44E-03	1.08E-06	3.16E-07	5.44E-03	1.72E-06	5.00E-07
4071 481863.09, 3854877.25	3.55E-03	1.12E-06	3.26E-07	3.83E-03	1.21E-06	3.51E-07	6.04E-03	1.91E-06	5.55E-07
4072 482363.09, 3854877.25	9.14E-03	2.88E-06	8.39E-07	9.88E-03	3.12E-06	9.07E-07	1.59E-02	5.00E-06	1.46E-06
4073 482863.09, 3854877.25	1.88E-02	5.93E-06	1.72E-06	2.03E-02	6.41E-06	1.86E-06	3.27E-02	1.03E-05	3.00E-06
4074 483363.09, 3854877.25	1.06E-01	3.36E-05	9.77E-06	1.15E-01	3.64E-05	1.06E-05	1.90E-01	5.99E-05	1.74E-05
4075 483863.09, 3854877.25	9.44E-02	2.98E-05	8.67E-06	1.01E-01	3.20E-05	9.30E-06	1.55E-01	4.88E-05	1.42E-05
4076 484363.09, 3854877.25	3.09E-02	9.75E-06	2.84E-06	3.32E-02	1.05E-05	3.05E-06	5.14E-02	1.62E-05	4.71E-06
4077 484863.09, 3854877.25	1.95E-02	6.16E-06	1.79E-06	2.10E-02	6.63E-06	1.93E-06	3.29E-02	1.04E-05	3.02E-06
4078 485363.09, 3854877.25	1.45E-02	4.59E-06	1.33E-06	1.57E-02	4.94E-06	1.44E-06	2.46E-02	7.76E-06	2.26E-06
4079 485863.09, 3854877.25	1.13E-02	3.56E-06	1.04E-06	1.22E-02	3.84E-06	1.12E-06	1.91E-02	6.04E-06	1.76E-06
4080 486363.09, 3854877.25	9.20E-03	2.90E-06	8.45E-07	9.92E-03	3.13E-06	9.11E-07	1.57E-02	4.94E-06	1.44E-06
4081 486863.09, 3854877.25	7.95E-03	2.51E-06	7.30E-07	8.58E-03	2.71E-06	7.87E-07	1.35E-02	4.28E-06	1.24E-06
4082 487363.09, 3854877.25	7.63E-03	2.41E-06	7.01E-07	8.24E-03	2.60E-06	7.56E-07	1.30E-02	4.11E-06	1.20E-06
4083 487863.09, 3854877.25	7.35E-03	2.32E-06	6.75E-07	7.93E-03	2.50E-06	7.28E-07	1.26E-02	3.97E-06	1.15E-06

4084	488363.09, 3854877.25	7.13E-03	2.25E-06	6.54E-07	7.69E-03	2.43E-06	7.06E-07	1.22E-02	3.85E-06	1.12E-06
4085	488863.09, 3854877.25	6.98E-03	2.20E-06	6.41E-07	7.53E-03	2.38E-06	6.92E-07	1.20E-02	3.78E-06	1.10E-06
4086	489363.09, 3854877.25	6.61E-03	2.09E-06	6.07E-07	7.14E-03	2.25E-06	6.55E-07	1.14E-02	3.58E-06	1.04E-06
4087	489863.09, 3854877.25	5.97E-03	1.88E-06	5.48E-07	6.45E-03	2.03E-06	5.92E-07	1.03E-02	3.24E-06	9.41E-07
4088	490363.09, 3854877.25	4.50E-03	1.42E-06	4.13E-07	4.86E-03	1.53E-06	4.46E-07	7.72E-03	2.44E-06	7.09E-07
4089	490863.09, 3854877.25	3.29E-03	1.04E-06	3.02E-07	3.55E-03	1.12E-06	3.26E-07	5.64E-03	1.78E-06	5.18E-07
4090	491363.09, 3854877.25	3.46E-03	1.09E-06	3.18E-07	3.74E-03	1.18E-06	3.43E-07	5.94E-03	1.88E-06	5.46E-07
4091	491863.09, 3854877.25	4.80E-03	1.51E-06	4.41E-07	5.18E-03	1.64E-06	4.76E-07	8.26E-03	2.61E-06	7.59E-07
4092	492363.09, 3854877.25	4.70E-03	1.48E-06	4.31E-07	5.07E-03	1.60E-06	4.66E-07	8.09E-03	2.55E-06	7.43E-07
4093	492863.09, 3854877.25	4.38E-03	1.38E-06	4.02E-07	4.73E-03	1.49E-06	4.34E-07	7.55E-03	2.38E-06	6.93E-07
4094	493363.09, 3854877.25	4.01E-03	1.26E-06	3.68E-07	4.33E-03	1.37E-06	3.97E-07	6.91E-03	2.18E-06	6.34E-07
4095	493863.09, 3854877.25	3.70E-03	1.17E-06	3.40E-07	4.00E-03	1.26E-06	3.67E-07	6.38E-03	2.01E-06	5.86E-07
4096	494363.09, 3854877.25	2.86E-03	9.03E-07	2.63E-07	3.09E-03	9.75E-07	2.84E-07	4.92E-03	1.55E-06	4.52E-07
4097	494863.09, 3854877.25	2.13E-03	6.72E-07	1.95E-07	2.30E-03	7.26E-07	2.11E-07	3.66E-03	1.16E-06	3.36E-07
4098	495363.09, 3854877.25	1.72E-03	5.44E-07	1.58E-07	1.86E-03	5.87E-07	1.71E-07	2.96E-03	9.35E-07	2.72E-07
4099	495863.09, 3854877.25	1.50E-03	4.73E-07	1.37E-07	1.62E-03	5.10E-07	1.48E-07	2.58E-03	8.13E-07	2.37E-07
4100	496363.09, 3854877.25	1.22E-03	3.87E-07	1.12E-07	1.32E-03	4.17E-07	1.21E-07	2.11E-03	6.65E-07	1.93E-07
4101	496863.09, 3854877.25	1.06E-03	3.34E-07	9.73E-08	1.14E-03	3.61E-07	1.05E-07	1.82E-03	5.76E-07	1.67E-07
4102	497363.09, 3854877.25	1.00E-03	3.16E-07	9.18E-08	1.08E-03	3.41E-07	9.91E-08	1.72E-03	5.43E-07	1.58E-07
4103	497863.09, 3854877.25	1.07E-03	3.38E-07	9.82E-08	1.15E-03	3.65E-07	1.06E-07	1.84E-03	5.81E-07	1.69E-07
4104	498363.09, 3854877.25	1.03E-03	3.24E-07	9.43E-08	1.11E-03	3.50E-07	1.02E-07	1.77E-03	5.58E-07	1.62E-07
4105	471363.09, 3855377.25	3.21E-04	1.01E-07	2.95E-08	3.46E-04	1.09E-07	3.18E-08	5.50E-04	1.74E-07	5.05E-08
4106	471863.09, 3855377.25	3.37E-04	1.06E-07	3.09E-08	3.64E-04	1.15E-07	3.34E-08	5.78E-04	1.82E-07	5.30E-08
4107	472363.09, 3855377.25	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.63E-08	6.29E-04	1.98E-07	5.77E-08
4108	472863.09, 3855377.25	3.84E-04	1.21E-07	3.53E-08	4.15E-04	1.31E-07	3.81E-08	6.59E-04	2.08E-07	6.05E-08
4109	473363.09, 3855377.25	4.28E-04	1.35E-07	3.93E-08	4.62E-04	1.46E-07	4.24E-08	7.35E-04	2.32E-07	6.75E-08
4110	473863.09, 3855377.25	4.67E-04	1.48E-07	4.29E-08	5.05E-04	1.59E-07	4.63E-08	8.02E-04	2.53E-07	7.37E-08
4111	474363.09, 3855377.25	5.03E-04	1.59E-07	4.62E-08	5.43E-04	1.72E-07	4.99E-08	8.64E-04	2.73E-07	7.93E-08
4112	474863.09, 3855377.25	4.33E-04	1.37E-07	3.98E-08	4.67E-04	1.48E-07	4.29E-08	7.43E-04	2.34E-07	6.82E-08
4113	475363.09, 3855377.25	2.31E-04	7.29E-08	2.12E-08	2.49E-04	7.87E-08	2.29E-08	3.96E-04	1.25E-07	3.64E-08
4114	475863.09, 3855377.25	1.87E-04	5.90E-08	1.72E-08	2.02E-04	6.38E-08	1.85E-08	3.22E-04	1.02E-07	2.95E-08
4115	476363.09, 3855377.25	2.19E-04	6.90E-08	2.01E-08	2.36E-04	7.46E-08	2.17E-08	3.76E-04	1.19E-07	3.45E-08
4116	476863.09, 3855377.25	2.19E-04	6.91E-08	2.01E-08	2.37E-04	7.46E-08	2.17E-08	3.76E-04	1.19E-07	3.46E-08
4117	477363.09, 3855377.25	2.45E-04	7.73E-08	2.25E-08	2.65E-04	8.35E-08	2.43E-08	4.21E-04	1.33E-07	3.87E-08
4118	477863.09, 3855377.25	3.15E-04	9.95E-08	2.89E-08	3.40E-04	1.07E-07	3.12E-08	5.41E-04	1.71E-07	4.96E-08
4119	478363.09, 3855377.25	4.06E-04	1.28E-07	3.73E-08	4.38E-04	1.38E-07	4.03E-08	6.96E-04	2.20E-07	6.39E-08
4120	478863.09, 3855377.25	5.15E-04	1.62E-07	4.73E-08	5.56E-04	1.75E-07	5.10E-08	8.82E-04	2.78E-07	8.09E-08
4121	479363.09, 3855377.25	6.98E-04	2.20E-07	6.41E-08	7.54E-04	2.38E-07	6.92E-08	1.19E-03	3.77E-07	1.10E-07
4122	479863.09, 3855377.25	9.27E-04	2.93E-07	8.51E-08	1.00E-03	3.16E-07	9.18E-08	1.58E-03	5.00E-07	1.45E-07
4123	480363.09, 3855377.25	1.43E-03	4.52E-07	1.32E-07	1.55E-03	4.88E-07	1.42E-07	2.44E-03	7.71E-07	2.24E-07
4124	480863.09, 3855377.25	2.47E-03	7.80E-07	2.27E-07	2.67E-03	8.41E-07	2.45E-07	4.22E-03	1.33E-06	3.87E-07
4125	481363.09, 3855377.25	4.05E-03	1.28E-06	3.72E-07	4.38E-03	1.38E-06	4.02E-07	6.95E-03	2.19E-06	6.38E-07
4126	481863.09, 3855377.25	5.87E-03	1.85E-06	5.39E-07	6.34E-03	2.00E-06	5.82E-07	1.01E-02	3.18E-06	9.26E-07
4127	482363.09, 3855377.25	7.99E-03	2.52E-06	7.34E-07	8.63E-03	2.72E-06	7.92E-07	1.37E-02	4.33E-06	1.26E-06
4128	482863.09, 3855377.25	1.21E-02	3.81E-06	1.11E-06	1.30E-02	4.11E-06	1.19E-06	2.06E-02	6.52E-06	1.90E-06
4129	483363.09, 3855377.25	2.02E-02	6.38E-06	1.86E-06	2.18E-02	6.88E-06	2.00E-06	3.42E-02	1.08E-05	3.14E-06
4130	483863.09, 3855377.25	8.45E-02	2.67E-05	7.76E-06	9.11E-02	2.88E-05	8.37E-06	1.43E-01	4.52E-05	1.32E-05
4131	484363.09, 3855377.25	1.19E-01	3.75E-05	1.09E-05	1.27E-01	4.02E-05	1.17E-05	1.95E-01	6.15E-05	1.79E-05
4132	484863.09, 3855377.25	5.39E-02	1.70E-05	4.94E-06	5.80E-02	1.83E-05	5.32E-06	9.01E-02	2.84E-05	8.27E-06
4133	485363.09, 3855377.25	3.11E-02	9.82E-06	2.86E-06	3.35E-02	1.06E-05	3.08E-06	5.24E-02	1.65E-05	4.81E-06
4134	485863.09, 3855377.25	2.21E-02	6.98E-06	2.03E-06	2.39E-02	7.53E-06	2.19E-06	3.75E-02	1.18E-05	3.44E-06
4135	486363.09, 3855377.25	1.61E-02	5.09E-06	1.48E-06	1.74E-02	5.49E-06	1.60E-06	2.74E-02	8.64E-06	2.51E-06
4136	486863.09, 3855377.25	1.27E-02	4.00E-06	1.16E-06	1.37E-02	4.31E-06	1.25E-06	2.16E-02	6.80E-06	1.98E-06
4137	487363.09, 3855377.25	1.18E-02	3.72E-06	1.08E-06	1.27E-02	4.02E-06	1.17E-06	2.01E-02	6.36E-06	1.85E-06
4138	487863.09, 3855377.25	1.10E-02	3.48E-06	1.01E-06	1.19E-02	3.75E-06	1.09E-06	1.89E-02	5.95E-06	1.73E-06
4139	488363.09, 3855377.25	1.03E-02	3.27E-06	9.50E-07	1.12E-02	3.53E-06	1.03E-06	1.78E-02	5.60E-06	1.63E-06
4140	488863.09, 3855377.25	9.71E-03	3.06E-06	8.91E-07	1.05E-02	3.31E-06	9.62E-07	1.67E-02	5.26E-06	1.53E-06
4141	489363.09, 3855377.25	8.97E-03	2.83E-06	8.24E-07	9.69E-03	3.06E-06	8.89E-07	1.54E-02	4.87E-06	1.42E-06
4142	489863.09, 3855377.25	8.10E-03	2.56E-06	7.44E-07	8.75E-03	2.76E-06	8.03E-07	1.39E-02	4.40E-06	1.28E-06
4143	490363.09, 3855377.25	7.69E-03	2.43E-06	7.06E-07	8.31E-03	2.62E-06	7.63E-07	1.32E-02	4.18E-06	1.22E-06
4144	490863.09, 3855377.25	4.98E-03	1.57E-06	4.57E-07	5.37E-03	1.70E-06	4.93E-07	8.54E-03	2.70E-06	7.84E-07

4145	491363.09, 3855377.25	4.24E-03	1.34E-06	3.89E-07	4.57E-03	1.44E-06	4.20E-07	7.27E-03	2.30E-06	6.68E-07
4146	491863.09, 3855377.25	5.90E-03	1.86E-06	5.42E-07	6.38E-03	2.01E-06	5.85E-07	1.02E-02	3.21E-06	9.34E-07
4147	492363.09, 3855377.25	5.64E-03	1.78E-06	5.18E-07	6.09E-03	1.92E-06	5.59E-07	9.72E-03	3.07E-06	8.93E-07
4148	492863.09, 3855377.25	5.16E-03	1.63E-06	4.74E-07	5.58E-03	1.76E-06	5.12E-07	8.90E-03	2.81E-06	8.17E-07
4149	493363.09, 3855377.25	4.46E-03	1.41E-06	4.10E-07	4.82E-03	1.52E-06	4.43E-07	7.69E-03	2.43E-06	7.06E-07
4150	493863.09, 3855377.25	3.45E-03	1.09E-06	3.16E-07	3.72E-03	1.18E-06	3.42E-07	5.93E-03	1.87E-06	5.45E-07
4151	494363.09, 3855377.25	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.43E-03	1.40E-06	4.06E-07
4152	494863.09, 3855377.25	1.91E-03	6.04E-07	1.76E-07	2.07E-03	6.52E-07	1.90E-07	3.29E-03	1.04E-06	3.02E-07
4153	495363.09, 3855377.25	1.51E-03	4.75E-07	1.38E-07	1.63E-03	5.13E-07	1.49E-07	2.59E-03	8.18E-07	2.38E-07
4154	495863.09, 3855377.25	1.25E-03	3.93E-07	1.14E-07	1.35E-03	4.25E-07	1.24E-07	2.14E-03	6.76E-07	1.97E-07
4155	496363.09, 3855377.25	1.17E-03	3.69E-07	1.07E-07	1.26E-03	3.98E-07	1.16E-07	2.01E-03	6.34E-07	1.84E-07
4156	496863.09, 3855377.25	1.11E-03	3.50E-07	1.02E-07	1.20E-03	3.78E-07	1.10E-07	1.91E-03	6.03E-07	1.75E-07
4157	497363.09, 3855377.25	1.09E-03	3.45E-07	1.00E-07	1.18E-03	3.73E-07	1.08E-07	1.88E-03	5.94E-07	1.73E-07
4158	497863.09, 3855377.25	1.12E-03	3.53E-07	1.03E-07	1.21E-03	3.81E-07	1.11E-07	1.92E-03	6.08E-07	1.77E-07
4159	498363.09, 3855377.25	1.16E-03	3.65E-07	1.06E-07	1.25E-03	3.94E-07	1.15E-07	1.99E-03	6.28E-07	1.83E-07
4160	471363.09, 3855877.25	3.30E-04	1.04E-07	3.03E-08	3.56E-04	1.12E-07	3.27E-08	5.66E-04	1.79E-07	5.19E-08
4161	471863.09, 3855877.25	3.46E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.93E-04	1.87E-07	5.45E-08
4162	472363.09, 3855877.25	3.84E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.58E-04	2.08E-07	6.04E-08
4163	472863.09, 3855877.25	3.94E-04	1.24E-07	3.61E-08	4.25E-04	1.34E-07	3.90E-08	6.74E-04	2.13E-07	6.19E-08
4164	473363.09, 3855877.25	4.45E-04	1.40E-07	4.09E-08	4.80E-04	1.52E-07	4.41E-08	7.63E-04	2.41E-07	7.00E-08
4165	473863.09, 3855877.25	4.87E-04	1.54E-07	4.47E-08	5.25E-04	1.66E-07	4.82E-08	8.33E-04	2.63E-07	7.65E-08
4166	474363.09, 3855877.25	5.16E-04	1.63E-07	4.73E-08	5.56E-04	1.76E-07	5.11E-08	8.83E-04	2.79E-07	8.11E-08
4167	474863.09, 3855877.25	4.10E-04	1.29E-07	3.77E-08	4.43E-04	1.40E-07	4.06E-08	7.02E-04	2.22E-07	6.44E-08
4168	475363.09, 3855877.25	2.74E-04	8.64E-08	2.51E-08	2.95E-04	9.32E-08	2.71E-08	4.69E-04	1.48E-07	4.30E-08
4169	475863.09, 3855877.25	1.43E-04	4.51E-08	1.31E-08	1.54E-04	4.87E-08	1.42E-08	2.46E-04	7.75E-08	2.26E-08
4170	476363.09, 3855877.25	1.54E-04	4.87E-08	1.42E-08	1.67E-04	5.26E-08	1.53E-08	2.66E-04	8.38E-08	2.44E-08
4171	476863.09, 3855877.25	2.22E-04	6.99E-08	2.03E-08	2.39E-04	7.55E-08	2.20E-08	3.80E-04	1.20E-07	3.49E-08
4172	477363.09, 3855877.25	2.66E-04	8.41E-08	2.45E-08	2.88E-04	9.08E-08	2.64E-08	4.57E-04	1.44E-07	4.19E-08
4173	477863.09, 3855877.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.64E-04	1.78E-07	5.17E-08
4174	478363.09, 3855877.25	4.14E-04	1.31E-07	3.80E-08	4.47E-04	1.41E-07	4.10E-08	7.08E-04	2.23E-07	6.50E-08
4175	478863.09, 3855877.25	5.51E-04	1.74E-07	5.06E-08	5.94E-04	1.88E-07	5.46E-08	9.41E-04	2.97E-07	8.64E-08
4176	479363.09, 3855877.25	7.59E-04	2.39E-07	6.96E-08	8.18E-04	2.58E-07	7.51E-08	1.30E-03	4.09E-07	1.19E-07
4177	479863.09, 3855877.25	1.03E-03	3.26E-07	9.47E-08	1.11E-03	3.51E-07	1.02E-07	1.76E-03	5.55E-07	1.62E-07
4178	480363.09, 3855877.25	1.52E-03	4.80E-07	1.40E-07	1.64E-03	5.17E-07	1.51E-07	2.59E-03	8.18E-07	2.38E-07
4179	480863.09, 3855877.25	2.39E-03	7.55E-07	2.19E-07	2.58E-03	8.14E-07	2.37E-07	4.08E-03	1.29E-06	3.74E-07
4180	481363.09, 3855877.25	2.76E-03	8.70E-07	2.53E-07	2.97E-03	9.39E-07	2.73E-07	4.69E-03	1.48E-06	4.31E-07
4181	481863.09, 3855877.25	5.33E-03	1.68E-06	4.90E-07	5.76E-03	1.82E-06	5.29E-07	9.13E-03	2.88E-06	8.38E-07
4182	482363.09, 3855877.25	6.83E-03	2.16E-06	6.27E-07	7.37E-03	2.33E-06	6.76E-07	1.17E-02	3.68E-06	1.07E-06
4183	482863.09, 3855877.25	9.19E-03	2.90E-06	8.44E-07	9.91E-03	3.13E-06	9.10E-07	1.57E-02	4.94E-06	1.44E-06
4184	483363.09, 3855877.25	1.28E-02	4.04E-06	1.18E-06	1.38E-02	4.36E-06	1.27E-06	2.17E-02	6.85E-06	1.99E-06
4185	483863.09, 3855877.25	1.96E-02	6.20E-06	1.80E-06	2.12E-02	6.68E-06	1.94E-06	3.30E-02	1.04E-05	3.03E-06
4186	484363.09, 3855877.25	5.38E-02	1.70E-05	4.94E-06	5.78E-02	1.82E-05	5.30E-06	8.85E-02	2.79E-05	8.12E-06
4187	484863.09, 3855877.25	1.57E-01	4.94E-05	1.44E-05	1.69E-01	5.34E-05	1.55E-05	2.69E-01	8.48E-05	2.47E-05
4188	485363.09, 3855877.25	7.01E-02	2.21E-05	6.44E-06	7.57E-02	2.39E-05	6.95E-06	1.20E-01	3.80E-05	1.10E-05
4189	485863.09, 3855877.25	3.84E-02	1.21E-05	3.52E-06	4.14E-02	1.31E-05	3.80E-06	6.58E-02	2.08E-05	6.04E-06
4190	486363.09, 3855877.25	2.51E-02	7.93E-06	2.31E-06	2.71E-02	8.55E-06	2.49E-06	4.30E-02	1.36E-05	3.95E-06
4191	486863.09, 3855877.25	1.94E-02	6.12E-06	1.78E-06	2.09E-02	6.61E-06	1.92E-06	3.32E-02	1.05E-05	3.05E-06
4192	487363.09, 3855877.25	1.74E-02	5.49E-06	1.60E-06	1.88E-02	5.92E-06	1.72E-06	2.98E-02	9.42E-06	2.74E-06
4193	487863.09, 3855877.25	1.58E-02	4.98E-06	1.45E-06	1.70E-02	5.38E-06	1.56E-06	2.71E-02	8.56E-06	2.49E-06
4194	488363.09, 3855877.25	1.42E-02	4.48E-06	1.30E-06	1.53E-02	4.84E-06	1.41E-06	2.44E-02	7.71E-06	2.24E-06
4195	488863.09, 3855877.25	1.29E-02	4.07E-06	1.18E-06	1.39E-02	4.39E-06	1.28E-06	2.22E-02	7.00E-06	2.04E-06
4196	489363.09, 3855877.25	1.17E-02	3.68E-06	1.07E-06	1.26E-02	3.98E-06	1.16E-06	2.01E-02	6.34E-06	1.85E-06
4197	489863.09, 3855877.25	1.06E-02	3.34E-06	9.71E-07	1.14E-02	3.61E-06	1.05E-06	1.82E-02	5.75E-06	1.67E-06
4198	490363.09, 3855877.25	9.67E-03	3.05E-06	8.88E-07	1.04E-02	3.30E-06	9.59E-07	1.67E-02	5.26E-06	1.53E-06
4199	490863.09, 3855877.25	8.61E-03	2.72E-06	7.91E-07	9.31E-03	2.94E-06	8.54E-07	1.49E-02	4.69E-06	1.36E-06
4200	491363.09, 3855877.25	7.16E-03	2.26E-06	6.57E-07	7.73E-03	2.44E-06	7.10E-07	1.23E-02	3.89E-06	1.13E-06
4201	491863.09, 3855877.25	7.22E-03	2.28E-06	6.63E-07	7.80E-03	2.46E-06	7.16E-07	1.25E-02	3.93E-06	1.14E-06
4202	492363.09, 3855877.25	6.44E-03	2.03E-06	5.91E-07	6.96E-03	2.20E-06	6.39E-07	1.11E-02	3.51E-06	1.02E-06
4203	492863.09, 3855877.25	5.80E-03	1.83E-06	5.32E-07	6.26E-03	1.98E-06	5.75E-07	1.00E-02	3.16E-06	9.18E-07
4204	493363.09, 3855877.25	4.42E-03	1.39E-06	4.06E-07	4.77E-03	1.51E-06	4.38E-07	7.62E-03	2.40E-06	6.99E-07
4205	493863.09, 3855877.25	3.15E-03	9.94E-07	2.89E-07	3.40E-03	1.07E-06	3.12E-07	5.42E-03	1.71E-06	4.98E-07

4206	494363.09, 3855877.25	2.25E-03	7.11E-07	2.07E-07	2.43E-03	7.68E-07	2.23E-07	3.87E-03	1.22E-06	3.56E-07
4207	494863.09, 3855877.25	1.72E-03	5.43E-07	1.58E-07	1.86E-03	5.87E-07	1.71E-07	2.96E-03	9.34E-07	2.72E-07
4208	495363.09, 3855877.25	1.26E-03	3.97E-07	1.15E-07	1.36E-03	4.28E-07	1.25E-07	2.16E-03	6.82E-07	1.98E-07
4209	495863.09, 3855877.25	1.19E-03	3.75E-07	1.09E-07	1.28E-03	4.05E-07	1.18E-07	2.04E-03	6.45E-07	1.88E-07
4210	496363.09, 3855877.25	1.14E-03	3.61E-07	1.05E-07	1.24E-03	3.90E-07	1.13E-07	1.97E-03	6.21E-07	1.81E-07
4211	496863.09, 3855877.25	1.15E-03	3.63E-07	1.06E-07	1.24E-03	3.92E-07	1.14E-07	1.98E-03	6.24E-07	1.81E-07
4212	497363.09, 3855877.25	1.16E-03	3.67E-07	1.07E-07	1.26E-03	3.97E-07	1.15E-07	2.00E-03	6.32E-07	1.84E-07
4213	497863.09, 3855877.25	1.20E-03	3.79E-07	1.10E-07	1.30E-03	4.09E-07	1.19E-07	2.06E-03	6.52E-07	1.90E-07
4214	498363.09, 3855877.25	1.32E-03	4.17E-07	1.21E-07	1.43E-03	4.50E-07	1.31E-07	2.27E-03	7.17E-07	2.08E-07
4215	471363.09, 3856377.25	3.39E-04	1.07E-07	3.12E-08	3.66E-04	1.16E-07	3.36E-08	5.81E-04	1.83E-07	5.33E-08
4216	471863.09, 3856377.25	3.53E-04	1.12E-07	3.24E-08	3.81E-04	1.20E-07	3.50E-08	6.05E-04	1.91E-07	5.55E-08
4217	472363.09, 3856377.25	3.81E-04	1.20E-07	3.50E-08	4.12E-04	1.30E-07	3.78E-08	6.53E-04	2.06E-07	5.99E-08
4218	472863.09, 3856377.25	4.18E-04	1.32E-07	3.83E-08	4.51E-04	1.42E-07	4.14E-08	7.15E-04	2.26E-07	6.56E-08
4219	473363.09, 3856377.25	4.50E-04	1.42E-07	4.13E-08	4.86E-04	1.53E-07	4.46E-08	7.70E-04	2.43E-07	7.07E-08
4220	473863.09, 3856377.25	5.09E-04	1.61E-07	4.68E-08	5.50E-04	1.73E-07	5.05E-08	8.72E-04	2.75E-07	8.00E-08
4221	474363.09, 3856377.25	5.03E-04	1.59E-07	4.61E-08	5.42E-04	1.71E-07	4.98E-08	8.60E-04	2.71E-07	7.89E-08
4222	474863.09, 3856377.25	4.71E-04	1.49E-07	4.33E-08	5.08E-04	1.60E-07	4.67E-08	8.05E-04	2.54E-07	7.39E-08
4223	475363.09, 3856377.25	3.77E-04	1.19E-07	3.46E-08	4.07E-04	1.28E-07	3.74E-08	6.45E-04	2.03E-07	5.92E-08
4224	475863.09, 3856377.25	2.70E-04	8.54E-08	2.48E-08	2.92E-04	9.21E-08	2.68E-08	4.62E-04	1.46E-07	4.24E-08
4225	476363.09, 3856377.25	2.61E-04	8.24E-08	2.40E-08	2.82E-04	8.90E-08	2.59E-08	4.47E-04	1.41E-07	4.10E-08
4226	476863.09, 3856377.25	2.72E-04	8.59E-08	2.50E-08	2.94E-04	9.27E-08	2.70E-08	4.66E-04	1.47E-07	4.28E-08
4227	477363.09, 3856377.25	2.96E-04	9.35E-08	2.72E-08	3.20E-04	1.01E-07	2.93E-08	5.06E-04	1.60E-07	4.65E-08
4228	477863.09, 3856377.25	2.54E-04	8.01E-08	2.33E-08	2.74E-04	8.64E-08	2.51E-08	4.34E-04	1.37E-07	3.98E-08
4229	478363.09, 3856377.25	2.38E-04	7.50E-08	2.18E-08	2.56E-04	8.09E-08	2.35E-08	4.06E-04	1.28E-07	3.73E-08
4230	478863.09, 3856377.25	4.38E-04	1.38E-07	4.02E-08	4.72E-04	1.49E-07	4.34E-08	7.48E-04	2.36E-07	6.86E-08
4231	479363.09, 3856377.25	5.77E-04	1.82E-07	5.29E-08	6.22E-04	1.96E-07	5.71E-08	9.84E-04	3.11E-07	9.04E-08
4232	479863.09, 3856377.25	9.87E-04	3.11E-07	9.06E-08	1.06E-03	3.36E-07	9.77E-08	1.68E-03	5.31E-07	1.54E-07
4233	480363.09, 3856377.25	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.59E-07	1.63E-07	2.80E-03	8.83E-07	2.57E-07
4234	480863.09, 3856377.25	2.41E-03	7.60E-07	2.21E-07	2.60E-03	8.20E-07	2.39E-07	4.11E-03	1.30E-06	3.77E-07
4235	481363.09, 3856377.25	3.46E-03	1.09E-06	3.18E-07	3.73E-03	1.18E-06	3.43E-07	5.92E-03	1.87E-06	5.43E-07
4236	481863.09, 3856377.25	4.83E-03	1.52E-06	4.43E-07	5.21E-03	1.65E-06	4.79E-07	8.27E-03	2.61E-06	7.59E-07
4237	482363.09, 3856377.25	5.89E-03	1.86E-06	5.41E-07	6.35E-03	2.01E-06	5.83E-07	1.00E-02	3.17E-06	9.22E-07
4238	482863.09, 3856377.25	7.43E-03	2.35E-06	6.83E-07	8.02E-03	2.53E-06	7.36E-07	1.26E-02	3.99E-06	1.16E-06
4239	483363.09, 3856377.25	9.53E-03	3.01E-06	8.75E-07	1.03E-02	3.24E-06	9.43E-07	1.61E-02	5.09E-06	1.48E-06
4240	483863.09, 3856377.25	1.29E-02	4.06E-06	1.18E-06	1.39E-02	4.37E-06	1.27E-06	2.17E-02	6.84E-06	1.99E-06
4241	484363.09, 3856377.25	1.87E-02	5.91E-06	1.72E-06	2.02E-02	6.36E-06	1.85E-06	3.14E-02	9.90E-06	2.88E-06
4242	484863.09, 3856377.25	3.87E-02	1.22E-05	3.55E-06	4.15E-02	1.31E-05	3.81E-06	6.33E-02	2.00E-05	5.81E-06
4243	485363.09, 3856377.25	1.45E-01	4.57E-05	1.33E-05	1.56E-01	4.93E-05	1.43E-05	2.45E-01	7.75E-05	2.25E-05
4244	485863.09, 3856377.25	8.84E-02	2.79E-05	8.12E-06	9.56E-02	3.02E-05	8.78E-06	1.54E-01	4.86E-05	1.41E-05
4245	486363.09, 3856377.25	3.90E-02	1.23E-05	3.58E-06	4.21E-02	1.33E-05	3.87E-06	6.74E-02	2.13E-05	6.19E-06
4246	486863.09, 3856377.25	2.98E-02	9.41E-06	2.74E-06	3.22E-02	1.02E-05	2.96E-06	5.14E-02	1.62E-05	4.72E-06
4247	487363.09, 3856377.25	2.50E-02	7.89E-06	2.29E-06	2.70E-02	8.52E-06	2.48E-06	4.31E-02	1.36E-05	3.96E-06
4248	487863.09, 3856377.25	2.17E-02	6.84E-06	1.99E-06	2.34E-02	7.39E-06	2.15E-06	3.74E-02	1.18E-05	3.43E-06
4249	488363.09, 3856377.25	1.88E-02	5.93E-06	1.73E-06	2.03E-02	6.41E-06	1.86E-06	3.24E-02	1.02E-05	2.97E-06
4250	488863.09, 3856377.25	1.65E-02	5.20E-06	1.51E-06	1.78E-02	5.62E-06	1.63E-06	2.84E-02	8.97E-06	2.61E-06
4251	489363.09, 3856377.25	1.45E-02	4.59E-06	1.34E-06	1.57E-02	4.96E-06	1.44E-06	2.51E-02	7.92E-06	2.30E-06
4252	489863.09, 3856377.25	1.29E-02	4.08E-06	1.19E-06	1.40E-02	4.41E-06	1.28E-06	2.23E-02	7.04E-06	2.05E-06
4253	490363.09, 3856377.25	1.15E-02	3.62E-06	1.05E-06	1.24E-02	3.91E-06	1.14E-06	1.98E-02	6.25E-06	1.82E-06
4254	490863.09, 3856377.25	1.02E-02	3.22E-06	9.36E-07	1.10E-02	3.48E-06	1.01E-06	1.76E-02	5.56E-06	1.62E-06
4255	491363.09, 3856377.25	9.14E-03	2.88E-06	8.39E-07	9.88E-03	3.12E-06	9.07E-07	1.58E-02	4.99E-06	1.45E-06
4256	491863.09, 3856377.25	8.14E-03	2.57E-06	7.47E-07	8.79E-03	2.78E-06	8.07E-07	1.41E-02	4.44E-06	1.29E-06
4257	492363.09, 3856377.25	7.09E-03	2.24E-06	6.51E-07	7.66E-03	2.42E-06	7.03E-07	1.23E-02	3.87E-06	1.12E-06
4258	492863.09, 3856377.25	5.66E-03	1.79E-06	5.20E-07	6.12E-03	1.93E-06	5.62E-07	9.77E-03	3.08E-06	8.97E-07
4259	493363.09, 3856377.25	3.63E-03	1.15E-06	3.34E-07	3.92E-03	1.24E-06	3.60E-07	6.26E-03	1.97E-06	5.74E-07
4260	493863.09, 3856377.25	2.81E-03	8.88E-07	2.58E-07	3.04E-03	9.59E-07	2.79E-07	4.84E-03	1.53E-06	4.44E-07
4261	494363.09, 3856377.25	2.06E-03	6.51E-07	1.89E-07	2.23E-03	7.03E-07	2.04E-07	3.55E-03	1.12E-06	3.26E-07
4262	494863.09, 3856377.25	1.56E-03	4.91E-07	1.43E-07	1.68E-03	5.31E-07	1.54E-07	2.68E-03	8.45E-07	2.46E-07
4263	495363.09, 3856377.25	1.26E-03	3.97E-07	1.16E-07	1.36E-03	4.29E-07	1.25E-07	2.16E-03	6.83E-07	1.99E-07
4264	495863.09, 3856377.25	1.18E-03	3.73E-07	1.08E-07	1.28E-03	4.03E-07	1.17E-07	2.03E-03	6.41E-07	1.86E-07
4265	496363.09, 3856377.25	1.16E-03	3.65E-07	1.06E-07	1.25E-03	3.94E-07	1.15E-07	1.99E-03	6.28E-07	1.83E-07
4266	496863.09, 3856377.25	1.21E-03	3.82E-07	1.11E-07	1.31E-03	4.12E-07	1.20E-07	2.08E-03	6.57E-07	1.91E-07

4267	497363.09, 3856377.25	1.25E-03	3.94E-07	1.15E-07	1.35E-03	4.26E-07	1.24E-07	2.15E-03	6.78E-07	1.97E-07
4268	497863.09, 3856377.25	1.33E-03	4.21E-07	1.22E-07	1.44E-03	4.54E-07	1.32E-07	2.29E-03	7.23E-07	2.10E-07
4269	498363.09, 3856377.25	1.45E-03	4.57E-07	1.33E-07	1.56E-03	4.94E-07	1.44E-07	2.49E-03	7.87E-07	2.29E-07
4270	471363.09, 3856877.25	3.53E-04	1.12E-07	3.24E-08	3.81E-04	1.20E-07	3.50E-08	6.04E-04	1.91E-07	5.55E-08
4271	471863.09, 3856877.25	3.63E-04	1.15E-07	3.34E-08	3.92E-04	1.24E-07	3.60E-08	6.21E-04	1.96E-07	5.70E-08
4272	472363.09, 3856877.25	3.90E-04	1.23E-07	3.58E-08	4.21E-04	1.33E-07	3.87E-08	6.67E-04	2.11E-07	6.13E-08
4273	472863.09, 3856877.25	4.19E-04	1.32E-07	3.85E-08	4.52E-04	1.43E-07	4.15E-08	7.16E-04	2.26E-07	6.58E-08
4274	473363.09, 3856877.25	4.75E-04	1.50E-07	4.36E-08	5.13E-04	1.62E-07	4.71E-08	8.12E-04	2.56E-07	7.46E-08
4275	473863.09, 3856877.25	5.11E-04	1.61E-07	4.69E-08	5.52E-04	1.74E-07	5.06E-08	8.74E-04	2.76E-07	8.03E-08
4276	474363.09, 3856877.25	4.99E-04	1.58E-07	4.58E-08	5.39E-04	1.70E-07	4.94E-08	8.53E-04	2.69E-07	7.83E-08
4277	474863.09, 3856877.25	4.63E-04	1.46E-07	4.25E-08	5.00E-04	1.58E-07	4.59E-08	7.92E-04	2.50E-07	7.27E-08
4278	475363.09, 3856877.25	3.92E-04	1.24E-07	3.59E-08	4.22E-04	1.33E-07	3.88E-08	6.69E-04	2.11E-07	6.14E-08
4279	475863.09, 3856877.25	3.95E-04	1.25E-07	3.63E-08	4.26E-04	1.34E-07	3.91E-08	6.74E-04	2.13E-07	6.19E-08
4280	476363.09, 3856877.25	3.47E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.91E-04	1.87E-07	5.43E-08
4281	476863.09, 3856877.25	3.39E-04	1.07E-07	3.11E-08	3.66E-04	1.15E-07	3.36E-08	5.78E-04	1.83E-07	5.31E-08
4282	477363.09, 3856877.25	3.09E-04	9.76E-08	2.84E-08	3.34E-04	1.05E-07	3.06E-08	5.28E-04	1.66E-07	4.84E-08
4283	477863.09, 3856877.25	2.28E-04	7.19E-08	2.09E-08	2.46E-04	7.76E-08	2.26E-08	3.89E-04	1.23E-07	3.57E-08
4284	478363.09, 3856877.25	2.11E-04	6.66E-08	1.94E-08	2.28E-04	7.18E-08	2.09E-08	3.60E-04	1.14E-07	3.31E-08
4285	478863.09, 3856877.25	2.66E-04	8.40E-08	2.44E-08	2.87E-04	9.06E-08	2.64E-08	4.54E-04	1.43E-07	4.17E-08
4286	479363.09, 3856877.25	3.57E-04	1.13E-07	3.28E-08	3.85E-04	1.22E-07	3.54E-08	6.09E-04	1.92E-07	5.59E-08
4287	479863.09, 3856877.25	8.79E-04	2.77E-07	8.07E-08	9.48E-04	2.99E-07	8.70E-08	1.50E-03	4.72E-07	1.37E-07
4288	480363.09, 3856877.25	1.57E-03	4.94E-07	1.44E-07	1.69E-03	5.33E-07	1.55E-07	2.67E-03	8.42E-07	2.45E-07
4289	480863.09, 3856877.25	2.46E-03	7.75E-07	2.26E-07	2.65E-03	8.37E-07	2.43E-07	4.20E-03	1.32E-06	3.85E-07
4290	481363.09, 3856877.25	3.32E-03	1.05E-06	3.05E-07	3.58E-03	1.13E-06	3.29E-07	5.68E-03	1.79E-06	5.21E-07
4291	481863.09, 3856877.25	4.13E-03	1.30E-06	3.79E-07	4.46E-03	1.41E-06	4.09E-07	7.05E-03	2.23E-06	6.48E-07
4292	482363.09, 3856877.25	5.09E-03	1.61E-06	4.67E-07	5.49E-03	1.73E-06	5.04E-07	8.67E-03	2.74E-06	7.96E-07
4293	482863.09, 3856877.25	6.10E-03	1.93E-06	5.60E-07	6.58E-03	2.08E-06	6.04E-07	1.04E-02	3.27E-06	9.51E-07
4294	483363.09, 3856877.25	7.49E-03	2.36E-06	6.88E-07	8.07E-03	2.55E-06	7.41E-07	1.27E-02	4.00E-06	1.16E-06
4295	483863.09, 3856877.25	9.46E-03	2.99E-06	8.69E-07	1.02E-02	3.22E-06	9.36E-07	1.60E-02	5.04E-06	1.47E-06
4296	484363.09, 3856877.25	1.25E-02	3.94E-06	1.15E-06	1.34E-02	4.24E-06	1.23E-06	2.10E-02	6.62E-06	1.93E-06
4297	484863.09, 3856877.25	1.75E-02	5.51E-06	1.60E-06	1.88E-02	5.93E-06	1.73E-06	2.92E-02	9.21E-06	2.68E-06
4298	485363.09, 3856877.25	3.26E-02	1.03E-05	2.99E-06	3.50E-02	1.10E-05	3.21E-06	5.36E-02	1.69E-05	4.92E-06
4299	485863.09, 3856877.25	1.32E-01	4.17E-05	1.21E-05	1.42E-01	4.48E-05	1.30E-05	2.20E-01	6.95E-05	2.02E-05
4300	486363.09, 3856877.25	8.22E-02	2.59E-05	7.55E-06	8.88E-02	2.80E-05	8.15E-06	1.42E-01	4.48E-05	1.30E-05
4301	486863.09, 3856877.25	4.88E-02	1.54E-05	4.48E-06	5.27E-02	1.66E-05	4.84E-06	8.44E-02	2.66E-05	7.75E-06
4302	487363.09, 3856877.25	3.67E-02	1.16E-05	3.37E-06	3.97E-02	1.25E-05	3.64E-06	6.35E-02	2.00E-05	5.83E-06
4303	487863.09, 3856877.25	2.92E-02	9.22E-06	2.68E-06	3.16E-02	9.97E-06	2.90E-06	5.05E-02	1.59E-05	4.64E-06
4304	488363.09, 3856877.25	2.41E-02	7.61E-06	2.21E-06	2.61E-02	8.22E-06	2.39E-06	4.17E-02	1.32E-05	3.83E-06
4305	488863.09, 3856877.25	2.02E-02	6.39E-06	1.86E-06	2.19E-02	6.90E-06	2.01E-06	3.50E-02	1.10E-05	3.21E-06
4306	489363.09, 3856877.25	1.73E-02	5.47E-06	1.59E-06	1.87E-02	5.91E-06	1.72E-06	3.00E-02	9.46E-06	2.75E-06
4307	489863.09, 3856877.25	1.50E-02	4.72E-06	1.37E-06	1.62E-02	5.11E-06	1.49E-06	2.59E-02	8.18E-06	2.38E-06
4308	490363.09, 3856877.25	1.30E-02	4.10E-06	1.19E-06	1.40E-02	4.43E-06	1.29E-06	2.25E-02	7.09E-06	2.06E-06
4309	490863.09, 3856877.25	1.14E-02	3.58E-06	1.04E-06	1.23E-02	3.87E-06	1.13E-06	1.97E-02	6.20E-06	1.80E-06
4310	491363.09, 3856877.25	9.98E-03	3.15E-06	9.16E-07	1.08E-02	3.40E-06	9.90E-07	1.73E-02	5.45E-06	1.59E-06
4311	491863.09, 3856877.25	8.75E-03	2.76E-06	8.03E-07	9.45E-03	2.98E-06	8.68E-07	1.51E-02	4.78E-06	1.39E-06
4312	492363.09, 3856877.25	6.86E-03	2.16E-06	6.30E-07	7.41E-03	2.34E-06	6.80E-07	1.19E-02	3.74E-06	1.09E-06
4313	492863.09, 3856877.25	5.26E-03	1.66E-06	4.83E-07	5.68E-03	1.79E-06	5.22E-07	9.07E-03	2.86E-06	8.33E-07
4314	493363.09, 3856877.25	3.79E-03	1.20E-06	3.48E-07	4.09E-03	1.29E-06	3.76E-07	6.53E-03	2.06E-06	5.99E-07
4315	493863.09, 3856877.25	2.59E-03	8.18E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.46E-03	1.41E-06	4.09E-07
4316	494363.09, 3856877.25	1.86E-03	5.87E-07	1.71E-07	2.01E-03	6.34E-07	1.84E-07	3.20E-03	1.01E-06	2.93E-07
4317	494863.09, 3856877.25	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.27E-07	1.53E-07	2.66E-03	8.39E-07	2.44E-07
4318	495363.09, 3856877.25	1.37E-03	4.31E-07	1.25E-07	1.48E-03	4.66E-07	1.35E-07	2.35E-03	7.41E-07	2.16E-07
4319	495863.09, 3856877.25	1.31E-03	4.12E-07	1.20E-07	1.41E-03	4.45E-07	1.29E-07	2.24E-03	7.08E-07	2.06E-07
4320	496363.09, 3856877.25	1.27E-03	3.99E-07	1.16E-07	1.37E-03	4.31E-07	1.25E-07	2.17E-03	6.86E-07	2.00E-07
4321	496863.09, 3856877.25	1.27E-03	4.02E-07	1.17E-07	1.37E-03	4.34E-07	1.26E-07	2.19E-03	6.91E-07	2.01E-07
4322	497363.09, 3856877.25	1.32E-03	4.17E-07	1.21E-07	1.43E-03	4.50E-07	1.31E-07	2.27E-03	7.16E-07	2.08E-07
4323	497863.09, 3856877.25	1.46E-03	4.61E-07	1.34E-07	1.58E-03	4.98E-07	1.45E-07	2.51E-03	7.93E-07	2.31E-07
4324	498363.09, 3856877.25	1.63E-03	5.16E-07	1.50E-07	1.76E-03	5.57E-07	1.62E-07	2.81E-03	8.88E-07	2.58E-07
4325	471363.09, 3857377.25	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.64E-08	6.28E-04	1.98E-07	5.76E-08
4326	471863.09, 3857377.25	3.76E-04	1.19E-07	3.45E-08	4.06E-04	1.28E-07	3.73E-08	6.43E-04	2.03E-07	5.91E-08
4327	472363.09, 3857377.25	3.99E-04	1.26E-07	3.66E-08	4.30E-04	1.36E-07	3.95E-08	6.82E-04	2.15E-07	6.26E-08

4328	472863.09, 3857377.25	4.30E-04	1.36E-07	3.95E-08	4.64E-04	1.46E-07	4.26E-08	7.36E-04	2.32E-07	6.76E-08
4329	473363.09, 3857377.25	4.73E-04	1.49E-07	4.35E-08	5.11E-04	1.61E-07	4.69E-08	8.11E-04	2.56E-07	7.44E-08
4330	473863.09, 3857377.25	5.30E-04	1.67E-07	4.87E-08	5.72E-04	1.81E-07	5.25E-08	9.08E-04	2.87E-07	8.34E-08
4331	474363.09, 3857377.25	4.98E-04	1.57E-07	4.57E-08	5.37E-04	1.70E-07	4.93E-08	8.53E-04	2.69E-07	7.83E-08
4332	474863.09, 3857377.25	3.69E-04	1.17E-07	3.39E-08	3.98E-04	1.26E-07	3.66E-08	6.31E-04	1.99E-07	5.79E-08
4333	475363.09, 3857377.25	2.57E-04	8.12E-08	2.36E-08	2.78E-04	8.76E-08	2.55E-08	4.39E-04	1.39E-07	4.03E-08
4334	475863.09, 3857377.25	2.43E-04	7.68E-08	2.23E-08	2.62E-04	8.28E-08	2.41E-08	4.15E-04	1.31E-07	3.81E-08
4335	476363.09, 3857377.25	3.18E-04	1.00E-07	2.92E-08	3.43E-04	1.08E-07	3.15E-08	5.42E-04	1.71E-07	4.98E-08
4336	476863.09, 3857377.25	3.47E-04	1.10E-07	3.19E-08	3.74E-04	1.18E-07	3.44E-08	5.92E-04	1.87E-07	5.44E-08
4337	477363.09, 3857377.25	3.06E-04	9.67E-08	2.81E-08	3.31E-04	1.04E-07	3.03E-08	5.23E-04	1.65E-07	4.80E-08
4338	477863.09, 3857377.25	2.41E-04	7.61E-08	2.21E-08	2.60E-04	8.21E-08	2.39E-08	4.11E-04	1.30E-07	3.77E-08
4339	478363.09, 3857377.25	1.96E-04	6.19E-08	1.80E-08	2.12E-04	6.68E-08	1.94E-08	3.34E-04	1.05E-07	3.07E-08
4340	478863.09, 3857377.25	1.75E-04	5.53E-08	1.61E-08	1.89E-04	5.97E-08	1.74E-08	2.99E-04	9.43E-08	2.74E-08
4341	479363.09, 3857377.25	2.71E-04	8.55E-08	2.49E-08	2.92E-04	9.22E-08	2.68E-08	4.60E-04	1.45E-07	4.23E-08
4342	479863.09, 3857377.25	7.06E-04	2.23E-07	6.48E-08	7.61E-04	2.40E-07	6.99E-08	1.20E-03	3.79E-07	1.10E-07
4343	480363.09, 3857377.25	5.95E-04	1.88E-07	5.46E-08	6.41E-04	2.02E-07	5.89E-08	1.01E-03	3.19E-07	9.27E-08
4344	480863.09, 3857377.25	2.30E-03	7.24E-07	2.11E-07	2.48E-03	7.82E-07	2.27E-07	3.93E-03	1.24E-06	3.60E-07
4345	481363.09, 3857377.25	2.60E-03	8.22E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.46E-03	1.41E-06	4.09E-07
4346	481863.09, 3857377.25	3.43E-03	1.08E-06	3.15E-07	3.70E-03	1.17E-06	3.39E-07	5.86E-03	1.85E-06	5.38E-07
4347	482363.09, 3857377.25	4.39E-03	1.39E-06	4.03E-07	4.74E-03	1.50E-06	4.35E-07	7.48E-03	2.36E-06	6.87E-07
4348	482863.09, 3857377.25	5.08E-03	1.60E-06	4.67E-07	5.48E-03	1.73E-06	5.03E-07	8.63E-03	2.72E-06	7.92E-07
4349	483363.09, 3857377.25	5.99E-03	1.89E-06	5.50E-07	6.46E-03	2.04E-06	5.93E-07	1.01E-02	3.20E-06	9.31E-07
4350	483863.09, 3857377.25	7.26E-03	2.29E-06	6.66E-07	7.82E-03	2.47E-06	7.18E-07	1.23E-02	3.87E-06	1.13E-06
4351	484363.09, 3857377.25	8.94E-03	2.82E-06	8.21E-07	9.63E-03	3.04E-06	8.84E-07	1.51E-02	4.75E-06	1.38E-06
4352	484863.09, 3857377.25	1.15E-02	3.63E-06	1.06E-06	1.24E-02	3.91E-06	1.14E-06	1.93E-02	6.10E-06	1.77E-06
4353	485363.09, 3857377.25	1.58E-02	4.97E-06	1.45E-06	1.70E-02	5.35E-06	1.56E-06	2.64E-02	8.33E-06	2.42E-06
4354	485863.09, 3857377.25	2.56E-02	8.09E-06	2.35E-06	2.76E-02	8.70E-06	2.53E-06	4.27E-02	1.35E-05	3.92E-06
4355	486363.09, 3857377.25	1.17E-01	3.71E-05	1.08E-05	1.26E-01	3.99E-05	1.16E-05	1.96E-01	6.20E-05	1.80E-05
4356	486863.09, 3857377.25	1.25E-01	3.94E-05	1.15E-05	1.35E-01	4.25E-05	1.24E-05	2.14E-01	6.76E-05	1.97E-05
4357	487363.09, 3857377.25	6.01E-02	1.90E-05	5.51E-06	6.50E-02	2.05E-05	5.96E-06	1.05E-01	3.31E-05	9.62E-06
4358	487863.09, 3857377.25	4.05E-02	1.28E-05	3.71E-06	4.38E-02	1.38E-05	4.02E-06	7.05E-02	2.23E-05	6.48E-06
4359	488363.09, 3857377.25	3.02E-02	9.55E-06	2.78E-06	3.27E-02	1.03E-05	3.00E-06	5.26E-02	1.66E-05	4.83E-06
4360	488863.09, 3857377.25	2.39E-02	7.55E-06	2.20E-06	2.59E-02	8.17E-06	2.37E-06	4.16E-02	1.31E-05	3.82E-06
4361	489363.09, 3857377.25	1.96E-02	6.19E-06	1.80E-06	2.12E-02	6.69E-06	1.95E-06	3.41E-02	1.07E-05	3.13E-06
4362	489863.09, 3857377.25	1.64E-02	5.18E-06	1.51E-06	1.77E-02	5.60E-06	1.63E-06	2.85E-02	8.99E-06	2.61E-06
4363	490363.09, 3857377.25	1.39E-02	4.38E-06	1.27E-06	1.50E-02	4.73E-06	1.38E-06	2.41E-02	7.59E-06	2.21E-06
4364	490863.09, 3857377.25	1.19E-02	3.75E-06	1.09E-06	1.29E-02	4.06E-06	1.18E-06	2.06E-02	6.51E-06	1.89E-06
4365	491363.09, 3857377.25	1.03E-02	3.26E-06	9.47E-07	1.11E-02	3.52E-06	1.02E-06	1.79E-02	5.64E-06	1.64E-06
4366	491863.09, 3857377.25	8.79E-03	2.78E-06	8.07E-07	9.50E-03	3.00E-06	8.73E-07	1.52E-02	4.81E-06	1.40E-06
4367	492363.09, 3857377.25	6.38E-03	2.01E-06	5.86E-07	6.90E-03	2.18E-06	6.33E-07	1.10E-02	3.49E-06	1.01E-06
4368	492863.09, 3857377.25	4.35E-03	1.37E-06	3.99E-07	4.70E-03	1.48E-06	4.32E-07	7.50E-03	2.37E-06	6.89E-07
4369	493363.09, 3857377.25	2.97E-03	9.38E-07	2.73E-07	3.21E-03	1.01E-06	2.95E-07	5.12E-03	1.61E-06	4.70E-07
4370	493863.09, 3857377.25	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.41E-07	4.17E-03	1.32E-06	3.83E-07
4371	494363.09, 3857377.25	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.67E-07	1.94E-07	3.36E-03	1.06E-06	3.09E-07
4372	494863.09, 3857377.25	1.73E-03	5.45E-07	1.58E-07	1.86E-03	5.88E-07	1.71E-07	2.96E-03	9.35E-07	2.72E-07
4373	495363.09, 3857377.25	1.55E-03	4.88E-07	1.42E-07	1.67E-03	5.27E-07	1.53E-07	2.66E-03	8.38E-07	2.44E-07
4374	495863.09, 3857377.25	1.47E-03	4.65E-07	1.35E-07	1.59E-03	5.02E-07	1.46E-07	2.53E-03	7.99E-07	2.32E-07
4375	496363.09, 3857377.25	1.43E-03	4.51E-07	1.31E-07	1.54E-03	4.87E-07	1.42E-07	2.46E-03	7.75E-07	2.25E-07
4376	496863.09, 3857377.25	1.41E-03	4.45E-07	1.30E-07	1.52E-03	4.81E-07	1.40E-07	2.42E-03	7.65E-07	2.23E-07
4377	497363.09, 3857377.25	1.46E-03	4.60E-07	1.34E-07	1.57E-03	4.96E-07	1.44E-07	2.50E-03	7.91E-07	2.30E-07
4378	497863.09, 3857377.25	1.56E-03	4.91E-07	1.43E-07	1.68E-03	5.30E-07	1.54E-07	2.68E-03	8.45E-07	2.46E-07
4379	498363.09, 3857377.25	1.86E-03	5.86E-07	1.71E-07	2.01E-03	6.33E-07	1.84E-07	3.20E-03	1.01E-06	2.94E-07
4380	471363.09, 3857877.25	3.70E-04	1.17E-07	3.40E-08	3.99E-04	1.26E-07	3.67E-08	6.33E-04	2.00E-07	5.82E-08
4381	471863.09, 3857877.25	3.85E-04	1.21E-07	3.53E-08	4.15E-04	1.31E-07	3.81E-08	6.58E-04	2.08E-07	6.05E-08
4382	472363.09, 3857877.25	4.09E-04	1.29E-07	3.75E-08	4.41E-04	1.39E-07	4.05E-08	7.00E-04	2.21E-07	6.43E-08
4383	472863.09, 3857877.25	4.52E-04	1.43E-07	4.15E-08	4.88E-04	1.54E-07	4.48E-08	7.74E-04	2.44E-07	7.10E-08
4384	473363.09, 3857877.25	4.82E-04	1.52E-07	4.43E-08	5.21E-04	1.64E-07	4.78E-08	8.26E-04	2.61E-07	7.58E-08
4385	473863.09, 3857877.25	5.30E-04	1.67E-07	4.87E-08	5.72E-04	1.81E-07	5.25E-08	9.08E-04	2.87E-07	8.33E-08
4386	474363.09, 3857877.25	4.81E-04	1.52E-07	4.42E-08	5.19E-04	1.64E-07	4.77E-08	8.23E-04	2.60E-07	7.55E-08
4387	474863.09, 3857877.25	3.41E-04	1.08E-07	3.13E-08	3.67E-04	1.16E-07	3.37E-08	5.81E-04	1.83E-07	5.34E-08
4388	475363.09, 3857877.25	1.96E-04	6.18E-08	1.80E-08	2.11E-04	6.67E-08	1.94E-08	3.34E-04	1.05E-07	3.07E-08

4389	475863.09, 3857877.25	1.01E-04	3.19E-08	9.29E-09	1.09E-04	3.44E-08	1.00E-08	1.72E-04	5.44E-08	1.58E-08
4390	476363.09, 3857877.25	2.26E-04	7.13E-08	2.07E-08	2.44E-04	7.69E-08	2.24E-08	3.85E-04	1.22E-07	3.54E-08
4391	476863.09, 3857877.25	2.84E-04	8.97E-08	2.61E-08	3.07E-04	9.68E-08	2.82E-08	4.85E-04	1.53E-07	4.45E-08
4392	477363.09, 3857877.25	2.80E-04	8.83E-08	2.57E-08	3.02E-04	9.53E-08	2.77E-08	4.76E-04	1.50E-07	4.37E-08
4393	477863.09, 3857877.25	2.75E-04	8.69E-08	2.53E-08	2.97E-04	9.37E-08	2.73E-08	4.69E-04	1.48E-07	4.30E-08
4394	478363.09, 3857877.25	1.64E-04	5.17E-08	1.50E-08	1.76E-04	5.57E-08	1.62E-08	2.78E-04	8.78E-08	2.55E-08
4395	478863.09, 3857877.25	1.39E-04	4.40E-08	1.28E-08	1.50E-04	4.75E-08	1.38E-08	2.36E-04	7.46E-08	2.17E-08
4396	479363.09, 3857877.25	6.39E-04	2.02E-07	5.86E-08	6.89E-04	2.17E-07	6.32E-08	1.09E-03	3.43E-07	9.96E-08
4397	479863.09, 3857877.25	1.40E-03	4.40E-07	1.28E-07	1.51E-03	4.75E-07	1.38E-07	2.38E-03	7.53E-07	2.19E-07
4398	480363.09, 3857877.25	1.85E-03	5.83E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.16E-03	9.97E-07	2.90E-07
4399	480863.09, 3857877.25	2.13E-03	6.71E-07	1.95E-07	2.29E-03	7.24E-07	2.11E-07	3.64E-03	1.15E-06	3.34E-07
4400	481363.09, 3857877.25	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.22E-03	1.33E-06	3.87E-07
4401	481863.09, 3857877.25	2.96E-03	9.33E-07	2.71E-07	3.19E-03	1.01E-06	2.93E-07	5.06E-03	1.60E-06	4.64E-07
4402	482363.09, 3857877.25	3.71E-03	1.17E-06	3.41E-07	4.00E-03	1.26E-06	3.67E-07	6.32E-03	2.00E-06	5.81E-07
4403	482863.09, 3857877.25	4.25E-03	1.34E-06	3.90E-07	4.58E-03	1.44E-06	4.20E-07	7.20E-03	2.27E-06	6.61E-07
4404	483363.09, 3857877.25	4.87E-03	1.54E-06	4.47E-07	5.25E-03	1.66E-06	4.82E-07	8.24E-03	2.60E-06	7.57E-07
4405	483863.09, 3857877.25	5.69E-03	1.80E-06	5.22E-07	6.13E-03	1.93E-06	5.63E-07	9.62E-03	3.03E-06	8.83E-07
4406	484363.09, 3857877.25	6.72E-03	2.12E-06	6.17E-07	7.24E-03	2.28E-06	6.64E-07	1.13E-02	3.58E-06	1.04E-06
4407	484863.09, 3857877.25	8.14E-03	2.57E-06	7.47E-07	8.76E-03	2.77E-06	8.05E-07	1.37E-02	4.33E-06	1.26E-06
4408	485363.09, 3857877.25	1.02E-02	3.21E-06	9.33E-07	1.09E-02	3.45E-06	1.00E-06	1.71E-02	5.40E-06	1.57E-06
4409	485863.09, 3857877.25	1.35E-02	4.25E-06	1.24E-06	1.45E-02	4.58E-06	1.33E-06	2.26E-02	7.14E-06	2.08E-06
4410	486363.09, 3857877.25	2.00E-02	6.31E-06	1.83E-06	2.15E-02	6.79E-06	1.97E-06	3.35E-02	1.06E-05	3.08E-06
4411	486863.09, 3857877.25	4.45E-02	1.40E-05	4.09E-06	4.79E-02	1.51E-05	4.40E-06	7.49E-02	2.36E-05	6.88E-06
4412	487363.09, 3857877.25	1.34E-01	4.23E-05	1.23E-05	1.44E-01	4.56E-05	1.33E-05	2.24E-01	7.07E-05	2.06E-05
4413	487863.09, 3857877.25	5.95E-02	1.88E-05	5.46E-06	6.44E-02	2.03E-05	5.91E-06	1.04E-01	3.30E-05	9.59E-06
4414	488363.09, 3857877.25	3.64E-02	1.15E-05	3.34E-06	3.94E-02	1.24E-05	3.62E-06	6.36E-02	2.01E-05	5.84E-06
4415	488863.09, 3857877.25	2.63E-02	8.30E-06	2.41E-06	2.84E-02	8.98E-06	2.61E-06	4.58E-02	1.44E-05	4.20E-06
4416	489363.09, 3857877.25	2.04E-02	6.44E-06	1.87E-06	2.21E-02	6.96E-06	2.03E-06	3.55E-02	1.12E-05	3.26E-06
4417	489863.09, 3857877.25	1.64E-02	5.16E-06	1.50E-06	1.77E-02	5.58E-06	1.62E-06	2.84E-02	8.97E-06	2.61E-06
4418	490363.09, 3857877.25	1.35E-02	4.27E-06	1.24E-06	1.46E-02	4.61E-06	1.34E-06	2.34E-02	7.40E-06	2.15E-06
4419	490863.09, 3857877.25	1.14E-02	3.60E-06	1.05E-06	1.23E-02	3.89E-06	1.13E-06	1.98E-02	6.23E-06	1.81E-06
4420	491363.09, 3857877.25	9.60E-03	3.03E-06	8.81E-07	1.04E-02	3.28E-06	9.53E-07	1.66E-02	5.25E-06	1.53E-06
4421	491863.09, 3857877.25	7.80E-03	2.46E-06	7.16E-07	8.43E-03	2.66E-06	7.74E-07	1.35E-02	4.26E-06	1.24E-06
4422	492363.09, 3857877.25	5.28E-03	1.67E-06	4.85E-07	5.71E-03	1.80E-06	5.24E-07	9.12E-03	2.88E-06	8.37E-07
4423	492863.09, 3857877.25	3.55E-03	1.12E-06	3.25E-07	3.83E-03	1.21E-06	3.52E-07	6.10E-03	1.93E-06	5.60E-07
4424	493363.09, 3857877.25	2.86E-03	9.04E-07	2.63E-07	3.09E-03	9.76E-07	2.84E-07	4.93E-03	1.56E-06	4.52E-07
4425	493863.09, 3857877.25	2.50E-03	7.89E-07	2.29E-07	2.70E-03	8.52E-07	2.48E-07	4.30E-03	1.36E-06	3.94E-07
4426	494363.09, 3857877.25	2.24E-03	7.06E-07	2.05E-07	2.42E-03	7.63E-07	2.22E-07	3.85E-03	1.21E-06	3.53E-07
4427	494863.09, 3857877.25	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.25E-03	1.03E-06	2.99E-07
4428	495363.09, 3857877.25	1.75E-03	5.53E-07	1.61E-07	1.89E-03	5.97E-07	1.74E-07	3.01E-03	9.50E-07	2.76E-07
4429	495863.09, 3857877.25	1.63E-03	5.16E-07	1.50E-07	1.76E-03	5.57E-07	1.62E-07	2.81E-03	8.86E-07	2.58E-07
4430	496363.09, 3857877.25	1.61E-03	5.09E-07	1.48E-07	1.74E-03	5.49E-07	1.60E-07	2.77E-03	8.74E-07	2.54E-07
4431	496863.09, 3857877.25	1.60E-03	5.04E-07	1.46E-07	1.72E-03	5.44E-07	1.58E-07	2.74E-03	8.65E-07	2.52E-07
4432	497363.09, 3857877.25	1.55E-03	4.91E-07	1.43E-07	1.68E-03	5.30E-07	1.54E-07	2.67E-03	8.44E-07	2.45E-07
4433	497863.09, 3857877.25	1.74E-03	5.49E-07	1.60E-07	1.88E-03	5.93E-07	1.73E-07	2.99E-03	9.45E-07	2.75E-07
4434	498363.09, 3857877.25	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.32E-03	1.05E-06	3.05E-07
4435	471363.09, 3858377.25	3.87E-04	1.22E-07	3.55E-08	4.18E-04	1.32E-07	3.83E-08	6.62E-04	2.09E-07	6.08E-08
4436	471863.09, 3858377.25	4.03E-04	1.27E-07	3.70E-08	4.35E-04	1.37E-07	3.99E-08	6.90E-04	2.18E-07	6.33E-08
4437	472363.09, 3858377.25	4.21E-04	1.33E-07	3.86E-08	4.54E-04	1.43E-07	4.17E-08	7.20E-04	2.27E-07	6.61E-08
4438	472863.09, 3858377.25	4.55E-04	1.44E-07	4.18E-08	4.91E-04	1.55E-07	4.51E-08	7.78E-04	2.46E-07	7.14E-08
4439	473363.09, 3858377.25	5.21E-04	1.64E-07	4.78E-08	5.62E-04	1.77E-07	5.16E-08	8.91E-04	2.81E-07	8.18E-08
4440	473863.09, 3858377.25	5.27E-04	1.66E-07	4.84E-08	5.69E-04	1.80E-07	5.22E-08	9.01E-04	2.84E-07	8.27E-08
4441	474363.09, 3858377.25	4.58E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.54E-08	7.83E-04	2.47E-07	7.19E-08
4442	474863.09, 3858377.25	3.53E-04	1.11E-07	3.24E-08	3.81E-04	1.20E-07	3.50E-08	6.02E-04	1.90E-07	5.52E-08
4443	475363.09, 3858377.25	2.34E-04	7.38E-08	2.15E-08	2.52E-04	7.96E-08	2.31E-08	3.98E-04	1.26E-07	3.65E-08
4444	475863.09, 3858377.25	1.74E-04	5.49E-08	1.60E-08	1.88E-04	5.92E-08	1.72E-08	2.96E-04	9.34E-08	2.72E-08
4445	476363.09, 3858377.25	1.91E-04	6.02E-08	1.75E-08	2.06E-04	6.50E-08	1.89E-08	3.24E-04	1.02E-07	2.98E-08
4446	476863.09, 3858377.25	2.14E-04	6.76E-08	1.97E-08	2.31E-04	7.29E-08	2.12E-08	3.64E-04	1.15E-07	3.34E-08
4447	477363.09, 3858377.25	2.04E-04	6.45E-08	1.88E-08	2.20E-04	6.96E-08	2.02E-08	3.47E-04	1.10E-07	3.19E-08
4448	477863.09, 3858377.25	2.74E-04	8.65E-08	2.52E-08	2.96E-04	9.33E-08	2.71E-08	4.66E-04	1.47E-07	4.28E-08
4449	478363.09, 3858377.25	2.98E-04	9.40E-08	2.74E-08	3.21E-04	1.01E-07	2.95E-08	5.06E-04	1.60E-07	4.64E-08

4450	478863.09, 3858377.25	2.09E-04	6.59E-08	1.92E-08	2.25E-04	7.11E-08	2.07E-08	3.54E-04	1.12E-07	3.25E-08
4451	479363.09, 3858377.25	6.72E-04	2.12E-07	6.17E-08	7.24E-04	2.29E-07	6.65E-08	1.14E-03	3.61E-07	1.05E-07
4452	479863.09, 3858377.25	1.44E-03	4.56E-07	1.33E-07	1.56E-03	4.92E-07	1.43E-07	2.47E-03	7.80E-07	2.27E-07
4453	480363.09, 3858377.25	1.81E-03	5.70E-07	1.66E-07	1.95E-03	6.15E-07	1.79E-07	3.09E-03	9.76E-07	2.84E-07
4454	480863.09, 3858377.25	2.03E-03	6.41E-07	1.86E-07	2.19E-03	6.92E-07	2.01E-07	3.48E-03	1.10E-06	3.19E-07
4455	481363.09, 3858377.25	2.32E-03	7.32E-07	2.13E-07	2.50E-03	7.90E-07	2.30E-07	3.97E-03	1.25E-06	3.64E-07
4456	481863.09, 3858377.25	2.61E-03	8.24E-07	2.40E-07	2.82E-03	8.89E-07	2.59E-07	4.46E-03	1.41E-06	4.10E-07
4457	482363.09, 3858377.25	3.03E-03	9.57E-07	2.78E-07	3.27E-03	1.03E-06	3.00E-07	5.18E-03	1.63E-06	4.75E-07
4458	482863.09, 3858377.25	3.67E-03	1.16E-06	3.37E-07	3.96E-03	1.25E-06	3.63E-07	6.25E-03	1.97E-06	5.73E-07
4459	483363.09, 3858377.25	4.08E-03	1.29E-06	3.74E-07	4.40E-03	1.39E-06	4.04E-07	6.91E-03	2.18E-06	6.34E-07
4460	483863.09, 3858377.25	4.53E-03	1.43E-06	4.16E-07	4.88E-03	1.54E-06	4.48E-07	7.66E-03	2.42E-06	7.03E-07
4461	484363.09, 3858377.25	5.22E-03	1.65E-06	4.79E-07	5.62E-03	1.77E-06	5.16E-07	8.81E-03	2.78E-06	8.09E-07
4462	484863.09, 3858377.25	6.03E-03	1.90E-06	5.53E-07	6.49E-03	2.05E-06	5.96E-07	1.02E-02	3.21E-06	9.34E-07
4463	485363.09, 3858377.25	6.99E-03	2.20E-06	6.41E-07	7.53E-03	2.38E-06	6.91E-07	1.18E-02	3.72E-06	1.08E-06
4464	485863.09, 3858377.25	8.36E-03	2.64E-06	7.67E-07	9.00E-03	2.84E-06	8.26E-07	1.41E-02	4.44E-06	1.29E-06
4465	486363.09, 3858377.25	1.03E-02	3.24E-06	9.42E-07	1.10E-02	3.49E-06	1.01E-06	1.72E-02	5.44E-06	1.58E-06
4466	486863.09, 3858377.25	1.30E-02	4.11E-06	1.20E-06	1.40E-02	4.42E-06	1.29E-06	2.18E-02	6.90E-06	2.01E-06
4467	487363.09, 3858377.25	1.89E-02	5.96E-06	1.73E-06	2.03E-02	6.42E-06	1.87E-06	3.16E-02	9.99E-06	2.90E-06
4468	487863.09, 3858377.25	6.01E-02	1.90E-05	5.51E-06	6.50E-02	2.05E-05	5.97E-06	1.05E-01	3.32E-05	9.65E-06
4469	488363.09, 3858377.25	3.90E-02	1.23E-05	3.58E-06	4.22E-02	1.33E-05	3.87E-06	6.76E-02	2.13E-05	6.21E-06
4470	488863.09, 3858377.25	2.29E-02	7.21E-06	2.10E-06	2.47E-02	7.78E-06	2.26E-06	3.91E-02	1.23E-05	3.59E-06
4471	489363.09, 3858377.25	1.71E-02	5.38E-06	1.57E-06	1.84E-02	5.81E-06	1.69E-06	2.92E-02	9.20E-06	2.68E-06
4472	489863.09, 3858377.25	1.37E-02	4.32E-06	1.26E-06	1.48E-02	4.66E-06	1.36E-06	2.34E-02	7.39E-06	2.15E-06
4473	490363.09, 3858377.25	1.14E-02	3.60E-06	1.05E-06	1.23E-02	3.89E-06	1.13E-06	1.95E-02	6.17E-06	1.79E-06
4474	490863.09, 3858377.25	9.73E-03	3.07E-06	8.93E-07	1.05E-02	3.32E-06	9.64E-07	1.67E-02	5.27E-06	1.53E-06
4475	491363.09, 3858377.25	8.20E-03	2.59E-06	7.53E-07	8.86E-03	2.80E-06	8.13E-07	1.41E-02	4.46E-06	1.30E-06
4476	491863.09, 3858377.25	6.11E-03	1.93E-06	5.61E-07	6.60E-03	2.08E-06	6.06E-07	1.06E-02	3.33E-06	9.69E-07
4477	492363.09, 3858377.25	3.85E-03	1.22E-06	3.54E-07	4.16E-03	1.31E-06	3.82E-07	6.63E-03	2.09E-06	6.08E-07
4478	492863.09, 3858377.25	3.93E-03	1.24E-06	3.61E-07	4.25E-03	1.34E-06	3.90E-07	6.77E-03	2.14E-06	6.22E-07
4479	493363.09, 3858377.25	3.26E-03	1.03E-06	2.99E-07	3.52E-03	1.11E-06	3.23E-07	5.61E-03	1.77E-06	5.15E-07
4480	493863.09, 3858377.25	2.89E-03	9.12E-07	2.65E-07	3.12E-03	9.85E-07	2.87E-07	4.97E-03	1.57E-06	4.56E-07
4481	494363.09, 3858377.25	2.52E-03	7.94E-07	2.31E-07	2.72E-03	8.58E-07	2.50E-07	4.33E-03	1.37E-06	3.97E-07
4482	494863.09, 3858377.25	2.22E-03	7.02E-07	2.04E-07	2.40E-03	7.58E-07	2.20E-07	3.82E-03	1.21E-06	3.51E-07
4483	495363.09, 3858377.25	1.92E-03	6.07E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.31E-03	1.04E-06	3.04E-07
4484	495863.09, 3858377.25	1.84E-03	5.81E-07	1.69E-07	1.99E-03	6.28E-07	1.83E-07	3.17E-03	9.99E-07	2.91E-07
4485	496363.09, 3858377.25	1.75E-03	5.52E-07	1.61E-07	1.89E-03	5.97E-07	1.74E-07	3.01E-03	9.49E-07	2.76E-07
4486	496863.09, 3858377.25	1.79E-03	5.66E-07	1.64E-07	1.93E-03	6.11E-07	1.78E-07	3.08E-03	9.72E-07	2.83E-07
4487	497363.09, 3858377.25	1.76E-03	5.57E-07	1.62E-07	1.90E-03	6.01E-07	1.75E-07	3.03E-03	9.57E-07	2.78E-07
4488	497863.09, 3858377.25	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.51E-07	1.89E-07	3.29E-03	1.04E-06	3.02E-07
4489	498363.09, 3858377.25	2.12E-03	6.68E-07	1.94E-07	2.28E-03	7.21E-07	2.10E-07	3.64E-03	1.15E-06	3.35E-07
4490	471363.09, 3858877.25	3.97E-04	1.25E-07	3.65E-08	4.29E-04	1.35E-07	3.94E-08	6.80E-04	2.15E-07	6.24E-08
4491	471863.09, 3858877.25	4.11E-04	1.30E-07	3.78E-08	4.44E-04	1.40E-07	4.08E-08	7.03E-04	2.22E-07	6.46E-08
4492	472363.09, 3858877.25	4.48E-04	1.41E-07	4.11E-08	4.83E-04	1.53E-07	4.44E-08	7.66E-04	2.42E-07	7.03E-08
4493	472863.09, 3858877.25	4.82E-04	1.52E-07	4.43E-08	5.20E-04	1.64E-07	4.78E-08	8.25E-04	2.60E-07	7.57E-08
4494	473363.09, 3858877.25	5.38E-04	1.70E-07	4.94E-08	5.80E-04	1.83E-07	5.33E-08	9.20E-04	2.91E-07	8.45E-08
4495	473863.09, 3858877.25	5.51E-04	1.74E-07	5.06E-08	5.95E-04	1.88E-07	5.46E-08	9.44E-04	2.98E-07	8.66E-08
4496	474363.09, 3858877.25	4.99E-04	1.58E-07	4.58E-08	5.39E-04	1.70E-07	4.95E-08	8.54E-04	2.69E-07	7.84E-08
4497	474863.09, 3858877.25	2.25E-04	7.09E-08	2.06E-08	2.42E-04	7.64E-08	2.22E-08	3.82E-04	1.21E-07	3.51E-08
4498	475363.09, 3858877.25	1.69E-04	5.33E-08	1.55E-08	1.82E-04	5.74E-08	1.67E-08	2.87E-04	9.05E-08	2.63E-08
4499	475863.09, 3858877.25	1.95E-04	6.17E-08	1.79E-08	2.11E-04	6.65E-08	1.93E-08	3.32E-04	1.05E-07	3.05E-08
4500	476363.09, 3858877.25	1.28E-04	4.03E-08	1.17E-08	1.38E-04	4.34E-08	1.26E-08	2.16E-04	6.83E-08	1.99E-08
4501	476863.09, 3858877.25	1.62E-04	5.10E-08	1.48E-08	1.74E-04	5.50E-08	1.60E-08	2.75E-04	8.67E-08	2.52E-08
4502	477363.09, 3858877.25	1.67E-04	5.28E-08	1.54E-08	1.80E-04	5.69E-08	1.66E-08	2.84E-04	8.95E-08	2.60E-08
4503	477863.09, 3858877.25	2.09E-04	6.59E-08	1.92E-08	2.25E-04	7.11E-08	2.07E-08	3.54E-04	1.12E-07	3.25E-08
4504	478363.09, 3858877.25	4.39E-04	1.38E-07	4.03E-08	4.73E-04	1.49E-07	4.34E-08	7.46E-04	2.35E-07	6.85E-08
4505	478863.09, 3858877.25	3.68E-04	1.16E-07	3.38E-08	3.96E-04	1.25E-07	3.64E-08	6.24E-04	1.97E-07	5.73E-08
4506	479363.09, 3858877.25	3.00E-04	9.47E-08	2.75E-08	3.23E-04	1.02E-07	2.97E-08	5.08E-04	1.60E-07	4.67E-08
4507	479863.09, 3858877.25	1.45E-03	4.59E-07	1.34E-07	1.57E-03	4.96E-07	1.44E-07	2.49E-03	7.86E-07	2.29E-07
4508	480363.09, 3858877.25	1.71E-03	5.39E-07	1.57E-07	1.84E-03	5.81E-07	1.69E-07	2.92E-03	9.22E-07	2.68E-07
4509	480863.09, 3858877.25	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.58E-07	1.91E-07	3.30E-03	1.04E-06	3.03E-07
4510	481363.09, 3858877.25	2.15E-03	6.78E-07	1.97E-07	2.32E-03	7.32E-07	2.13E-07	3.67E-03	1.16E-06	3.37E-07

4511	481863.09, 3858877.25	2.42E-03	7.63E-07	2.22E-07	2.61E-03	8.23E-07	2.39E-07	4.13E-03	1.30E-06	3.79E-07
4512	482363.09, 3858877.25	2.66E-03	8.41E-07	2.45E-07	2.87E-03	9.07E-07	2.64E-07	4.55E-03	1.44E-06	4.17E-07
4513	482863.09, 3858877.25	3.01E-03	9.50E-07	2.76E-07	3.25E-03	1.02E-06	2.98E-07	5.14E-03	1.62E-06	4.71E-07
4514	483363.09, 3858877.25	3.38E-03	1.07E-06	3.11E-07	3.65E-03	1.15E-06	3.35E-07	5.73E-03	1.81E-06	5.26E-07
4515	483863.09, 3858877.25	3.68E-03	1.16E-06	3.37E-07	3.96E-03	1.25E-06	3.64E-07	6.22E-03	1.96E-06	5.71E-07
4516	484363.09, 3858877.25	4.09E-03	1.29E-06	3.76E-07	4.41E-03	1.39E-06	4.05E-07	6.92E-03	2.18E-06	6.35E-07
4517	484863.09, 3858877.25	4.56E-03	1.44E-06	4.19E-07	4.92E-03	1.55E-06	4.51E-07	7.71E-03	2.43E-06	7.08E-07
4518	485363.09, 3858877.25	5.08E-03	1.60E-06	4.66E-07	5.47E-03	1.73E-06	5.02E-07	8.57E-03	2.70E-06	7.86E-07
4519	485863.09, 3858877.25	5.72E-03	1.81E-06	5.25E-07	6.17E-03	1.95E-06	5.66E-07	9.65E-03	3.05E-06	8.86E-07
4520	486363.09, 3858877.25	6.35E-03	2.01E-06	5.83E-07	6.84E-03	2.16E-06	6.28E-07	1.07E-02	3.38E-06	9.82E-07
4521	486863.09, 3858877.25	7.11E-03	2.25E-06	6.53E-07	7.66E-03	2.42E-06	7.03E-07	1.20E-02	3.77E-06	1.10E-06
4522	487363.09, 3858877.25	8.21E-03	2.59E-06	7.54E-07	8.84E-03	2.79E-06	8.11E-07	1.37E-02	4.34E-06	1.26E-06
4523	487863.09, 3858877.25	9.13E-03	2.88E-06	8.39E-07	9.82E-03	3.10E-06	9.02E-07	1.51E-02	4.78E-06	1.39E-06
4524	488363.09, 3858877.25	1.06E-02	3.36E-06	9.77E-07	1.14E-02	3.60E-06	1.05E-06	1.70E-02	5.37E-06	1.56E-06
4525	488863.09, 3858877.25	2.33E-02	7.35E-06	2.14E-06	2.43E-02	7.68E-06	2.23E-06	2.95E-02	9.30E-06	2.71E-06
4526	489363.09, 3858877.25	1.08E-02	3.42E-06	9.94E-07	1.16E-02	3.66E-06	1.06E-06	1.74E-02	5.48E-06	1.59E-06
4527	489863.09, 3858877.25	9.25E-03	2.92E-06	8.49E-07	9.95E-03	3.14E-06	9.14E-07	1.54E-02	4.86E-06	1.41E-06
4528	490363.09, 3858877.25	8.22E-03	2.60E-06	7.55E-07	8.86E-03	2.80E-06	8.14E-07	1.39E-02	4.40E-06	1.28E-06
4529	490863.09, 3858877.25	7.12E-03	2.25E-06	6.54E-07	7.69E-03	2.43E-06	7.06E-07	1.22E-02	3.85E-06	1.12E-06
4530	491363.09, 3858877.25	5.64E-03	1.78E-06	5.18E-07	6.09E-03	1.92E-06	5.59E-07	9.71E-03	3.06E-06	8.91E-07
4531	491863.09, 3858877.25	3.98E-03	1.26E-06	3.65E-07	4.29E-03	1.36E-06	3.94E-07	6.84E-03	2.16E-06	6.28E-07
4532	492363.09, 3858877.25	4.32E-03	1.36E-06	3.96E-07	4.66E-03	1.47E-06	4.28E-07	7.44E-03	2.35E-06	6.83E-07
4533	492863.09, 3858877.25	4.53E-03	1.43E-06	4.16E-07	4.90E-03	1.55E-06	4.50E-07	7.81E-03	2.47E-06	7.17E-07
4534	493363.09, 3858877.25	3.99E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.96E-07	6.88E-03	2.17E-06	6.32E-07
4535	493863.09, 3858877.25	3.21E-03	1.01E-06	2.94E-07	3.46E-03	1.09E-06	3.18E-07	5.52E-03	1.74E-06	5.07E-07
4536	494363.09, 3858877.25	2.89E-03	9.12E-07	2.65E-07	3.12E-03	9.85E-07	2.86E-07	4.97E-03	1.57E-06	4.56E-07
4537	494863.09, 3858877.25	2.55E-03	8.04E-07	2.34E-07	2.75E-03	8.68E-07	2.53E-07	4.38E-03	1.38E-06	4.02E-07
4538	495363.09, 3858877.25	2.25E-03	7.10E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.87E-03	1.22E-06	3.55E-07
4539	495863.09, 3858877.25	2.09E-03	6.60E-07	1.92E-07	2.26E-03	7.13E-07	2.07E-07	3.59E-03	1.13E-06	3.30E-07
4540	496363.09, 3858877.25	2.02E-03	6.39E-07	1.86E-07	2.19E-03	6.90E-07	2.01E-07	3.48E-03	1.10E-06	3.20E-07
4541	496863.09, 3858877.25	1.97E-03	6.21E-07	1.81E-07	2.12E-03	6.70E-07	1.95E-07	3.38E-03	1.07E-06	3.11E-07
4542	497363.09, 3858877.25	1.90E-03	6.01E-07	1.75E-07	2.06E-03	6.49E-07	1.89E-07	3.28E-03	1.03E-06	3.01E-07
4543	497863.09, 3858877.25	2.08E-03	6.58E-07	1.91E-07	2.25E-03	7.10E-07	2.07E-07	3.59E-03	1.13E-06	3.29E-07
4544	498363.09, 3858877.25	2.23E-03	7.05E-07	2.05E-07	2.41E-03	7.61E-07	2.21E-07	3.85E-03	1.21E-06	3.53E-07
4545	471363.09, 3859377.25	4.06E-04	1.28E-07	3.73E-08	4.38E-04	1.38E-07	4.03E-08	6.95E-04	2.19E-07	6.38E-08
4546	471863.09, 3859377.25	4.29E-04	1.36E-07	3.94E-08	4.63E-04	1.46E-07	4.26E-08	7.35E-04	2.32E-07	6.75E-08
4547	472363.09, 3859377.25	4.68E-04	1.48E-07	4.30E-08	5.05E-04	1.59E-07	4.64E-08	8.02E-04	2.53E-07	7.36E-08
4548	472863.09, 3859377.25	5.03E-04	1.59E-07	4.62E-08	5.43E-04	1.71E-07	4.99E-08	8.62E-04	2.72E-07	7.92E-08
4549	473363.09, 3859377.25	5.47E-04	1.73E-07	5.02E-08	5.90E-04	1.86E-07	5.42E-08	9.37E-04	2.96E-07	8.61E-08
4550	473863.09, 3859377.25	5.74E-04	1.81E-07	5.27E-08	6.20E-04	1.96E-07	5.69E-08	9.84E-04	3.11E-07	9.03E-08
4551	474363.09, 3859377.25	5.11E-04	1.61E-07	4.69E-08	5.52E-04	1.74E-07	5.07E-08	8.75E-04	2.76E-07	8.03E-08
4552	474863.09, 3859377.25	3.59E-04	1.13E-07	3.29E-08	3.87E-04	1.22E-07	3.55E-08	6.12E-04	1.93E-07	5.62E-08
4553	475363.09, 3859377.25	2.28E-04	7.21E-08	2.10E-08	2.46E-04	7.77E-08	2.26E-08	3.88E-04	1.23E-07	3.57E-08
4554	475863.09, 3859377.25	1.51E-04	4.77E-08	1.39E-08	1.63E-04	5.15E-08	1.50E-08	2.57E-04	8.11E-08	2.36E-08
4555	476363.09, 3859377.25	1.38E-04	4.35E-08	1.27E-08	1.49E-04	4.69E-08	1.36E-08	2.34E-04	7.38E-08	2.15E-08
4556	476863.09, 3859377.25	1.14E-04	3.60E-08	1.05E-08	1.23E-04	3.88E-08	1.13E-08	1.93E-04	6.09E-08	1.77E-08
4557	477363.09, 3859377.25	1.24E-04	3.93E-08	1.14E-08	1.34E-04	4.23E-08	1.23E-08	2.10E-04	6.62E-08	1.93E-08
4558	477863.09, 3859377.25	2.30E-04	7.25E-08	2.11E-08	2.48E-04	7.81E-08	2.27E-08	3.89E-04	1.23E-07	3.57E-08
4559	478363.09, 3859377.25	3.75E-04	1.18E-07	3.44E-08	4.04E-04	1.28E-07	3.71E-08	6.37E-04	2.01E-07	5.85E-08
4560	478863.09, 3859377.25	6.47E-04	2.04E-07	5.94E-08	6.98E-04	2.20E-07	6.41E-08	1.11E-03	3.49E-07	1.01E-07
4561	479363.09, 3859377.25	9.67E-04	3.05E-07	8.88E-08	1.04E-03	3.29E-07	9.58E-08	1.66E-03	5.23E-07	1.52E-07
4562	479863.09, 3859377.25	1.27E-03	4.02E-07	1.17E-07	1.38E-03	4.34E-07	1.26E-07	2.18E-03	6.89E-07	2.00E-07
4563	480363.09, 3859377.25	1.56E-03	4.92E-07	1.43E-07	1.68E-03	5.31E-07	1.54E-07	2.67E-03	8.41E-07	2.45E-07
4564	480863.09, 3859377.25	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.75E-07	3.01E-03	9.50E-07	2.76E-07
4565	481363.09, 3859377.25	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.66E-07	1.94E-07	3.34E-03	1.05E-06	3.06E-07
4566	481863.09, 3859377.25	2.16E-03	6.82E-07	1.98E-07	2.33E-03	7.36E-07	2.14E-07	3.69E-03	1.16E-06	3.38E-07
4567	482363.09, 3859377.25	2.36E-03	7.45E-07	2.17E-07	2.55E-03	8.04E-07	2.34E-07	4.02E-03	1.27E-06	3.69E-07
4568	482863.09, 3859377.25	2.62E-03	8.26E-07	2.40E-07	2.82E-03	8.91E-07	2.59E-07	4.46E-03	1.41E-06	4.09E-07
4569	483363.09, 3859377.25	2.89E-03	9.11E-07	2.65E-07	3.11E-03	9.82E-07	2.86E-07	4.90E-03	1.55E-06	4.50E-07
4570	483863.09, 3859377.25	3.00E-03	9.47E-07	2.75E-07	3.23E-03	1.02E-06	2.97E-07	5.07E-03	1.60E-06	4.66E-07
4571	484363.09, 3859377.25	3.26E-03	1.03E-06	2.99E-07	3.51E-03	1.11E-06	3.23E-07	5.51E-03	1.74E-06	5.06E-07

4572	484863.09, 3859377.25	3.55E-03	1.12E-06	3.26E-07	3.83E-03	1.21E-06	3.52E-07	6.01E-03	1.90E-06	5.51E-07
4573	485363.09, 3859377.25	3.82E-03	1.21E-06	3.51E-07	4.12E-03	1.30E-06	3.78E-07	6.45E-03	2.04E-06	5.93E-07
4574	485863.09, 3859377.25	4.07E-03	1.28E-06	3.74E-07	4.39E-03	1.38E-06	4.03E-07	6.86E-03	2.17E-06	6.30E-07
4575	486363.09, 3859377.25	4.33E-03	1.37E-06	3.98E-07	4.67E-03	1.47E-06	4.28E-07	7.30E-03	2.30E-06	6.70E-07
4576	486863.09, 3859377.25	4.57E-03	1.44E-06	4.19E-07	4.92E-03	1.55E-06	4.52E-07	7.68E-03	2.42E-06	7.05E-07
4577	487363.09, 3859377.25	4.79E-03	1.51E-06	4.40E-07	5.16E-03	1.63E-06	4.74E-07	8.04E-03	2.54E-06	7.38E-07
4578	487863.09, 3859377.25	5.05E-03	1.60E-06	4.64E-07	5.44E-03	1.72E-06	4.99E-07	8.44E-03	2.66E-06	7.75E-07
4579	488363.09, 3859377.25	5.33E-03	1.68E-06	4.90E-07	5.74E-03	1.81E-06	5.27E-07	8.89E-03	2.81E-06	8.16E-07
4580	488863.09, 3859377.25	5.47E-03	1.73E-06	5.02E-07	5.89E-03	1.86E-06	5.40E-07	9.16E-03	2.89E-06	8.41E-07
4581	489363.09, 3859377.25	5.27E-03	1.66E-06	4.83E-07	5.67E-03	1.79E-06	5.21E-07	8.84E-03	2.79E-06	8.11E-07
4582	489863.09, 3859377.25	5.41E-03	1.71E-06	4.97E-07	5.83E-03	1.84E-06	5.35E-07	9.09E-03	2.87E-06	8.35E-07
4583	490363.09, 3859377.25	5.42E-03	1.71E-06	4.97E-07	5.84E-03	1.84E-06	5.36E-07	9.18E-03	2.90E-06	8.43E-07
4584	490863.09, 3859377.25	5.10E-03	1.61E-06	4.68E-07	5.50E-03	1.74E-06	5.05E-07	8.71E-03	2.75E-06	7.99E-07
4585	491363.09, 3859377.25	4.10E-03	1.29E-06	3.76E-07	4.43E-03	1.40E-06	4.06E-07	7.05E-03	2.23E-06	6.48E-07
4586	491863.09, 3859377.25	4.42E-03	1.40E-06	4.06E-07	4.77E-03	1.51E-06	4.38E-07	7.59E-03	2.40E-06	6.97E-07
4587	492363.09, 3859377.25	4.17E-03	1.32E-06	3.83E-07	4.51E-03	1.42E-06	4.14E-07	7.17E-03	2.26E-06	6.58E-07
4588	492863.09, 3859377.25	3.98E-03	1.25E-06	3.65E-07	4.29E-03	1.35E-06	3.94E-07	6.83E-03	2.16E-06	6.27E-07
4589	493363.09, 3859377.25	3.62E-03	1.14E-06	3.32E-07	3.90E-03	1.23E-06	3.58E-07	6.22E-03	1.96E-06	5.71E-07
4590	493863.09, 3859377.25	3.43E-03	1.08E-06	3.15E-07	3.70E-03	1.17E-06	3.40E-07	5.90E-03	1.86E-06	5.41E-07
4591	494363.09, 3859377.25	3.16E-03	9.97E-07	2.90E-07	3.41E-03	1.08E-06	3.13E-07	5.44E-03	1.72E-06	4.99E-07
4592	494863.09, 3859377.25	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.69E-03	1.48E-06	4.30E-07
4593	495363.09, 3859377.25	2.57E-03	8.12E-07	2.36E-07	2.78E-03	8.77E-07	2.55E-07	4.43E-03	1.40E-06	4.07E-07
4594	495863.09, 3859377.25	2.36E-03	7.46E-07	2.17E-07	2.55E-03	8.06E-07	2.34E-07	4.07E-03	1.29E-06	3.74E-07
4595	496363.09, 3859377.25	2.31E-03	7.30E-07	2.12E-07	2.50E-03	7.88E-07	2.29E-07	3.98E-03	1.26E-06	3.66E-07
4596	496863.09, 3859377.25	2.07E-03	6.53E-07	1.90E-07	2.23E-03	7.05E-07	2.05E-07	3.56E-03	1.12E-06	3.27E-07
4597	497363.09, 3859377.25	2.11E-03	6.66E-07	1.94E-07	2.28E-03	7.20E-07	2.09E-07	3.64E-03	1.15E-06	3.34E-07
4598	497863.09, 3859377.25	2.23E-03	7.03E-07	2.05E-07	2.41E-03	7.60E-07	2.21E-07	3.84E-03	1.21E-06	3.52E-07
4599	498363.09, 3859377.25	2.26E-03	7.12E-07	2.07E-07	2.44E-03	7.70E-07	2.24E-07	3.89E-03	1.23E-06	3.57E-07
4600	471363.09, 3859877.25	4.21E-04	1.33E-07	3.87E-08	4.54E-04	1.43E-07	4.17E-08	7.21E-04	2.28E-07	6.62E-08
4601	471863.09, 3859877.25	4.49E-04	1.42E-07	4.12E-08	4.85E-04	1.53E-07	4.45E-08	7.70E-04	2.43E-07	7.06E-08
4602	472363.09, 3859877.25	4.74E-04	1.49E-07	4.35E-08	5.11E-04	1.61E-07	4.69E-08	8.12E-04	2.56E-07	7.45E-08
4603	472863.09, 3859877.25	5.12E-04	1.61E-07	4.70E-08	5.52E-04	1.74E-07	5.07E-08	8.77E-04	2.77E-07	8.05E-08
4604	473363.09, 3859877.25	5.49E-04	1.73E-07	5.04E-08	5.92E-04	1.87E-07	5.44E-08	9.39E-04	2.96E-07	8.62E-08
4605	473863.09, 3859877.25	5.81E-04	1.83E-07	5.33E-08	6.27E-04	1.98E-07	5.75E-08	9.93E-04	3.13E-07	9.12E-08
4606	474363.09, 3859877.25	5.46E-04	1.72E-07	5.01E-08	5.89E-04	1.86E-07	5.41E-08	9.33E-04	2.94E-07	8.56E-08
4607	474863.09, 3859877.25	4.61E-04	1.46E-07	4.23E-08	4.98E-04	1.57E-07	4.57E-08	7.88E-04	2.49E-07	7.23E-08
4608	475363.09, 3859877.25	2.76E-04	8.70E-08	2.53E-08	2.97E-04	9.38E-08	2.73E-08	4.69E-04	1.48E-07	4.31E-08
4609	475863.09, 3859877.25	1.46E-04	4.59E-08	1.34E-08	1.57E-04	4.95E-08	1.44E-08	2.47E-04	7.79E-08	2.27E-08
4610	476363.09, 3859877.25	9.29E-05	2.93E-08	8.53E-09	1.00E-04	3.16E-08	9.19E-09	1.57E-04	4.95E-08	1.44E-08
4611	476863.09, 3859877.25	1.07E-04	3.38E-08	9.82E-09	1.15E-04	3.64E-08	1.06E-08	1.81E-04	5.70E-08	1.66E-08
4612	477363.09, 3859877.25	1.14E-04	3.60E-08	1.05E-08	1.23E-04	3.88E-08	1.13E-08	1.92E-04	6.06E-08	1.76E-08
4613	477863.09, 3859877.25	2.04E-04	6.44E-08	1.87E-08	2.20E-04	6.94E-08	2.02E-08	3.45E-04	1.09E-07	3.17E-08
4614	478363.09, 3859877.25	3.69E-04	1.16E-07	3.39E-08	3.98E-04	1.26E-07	3.65E-08	6.27E-04	1.98E-07	5.76E-08
4615	478863.09, 3859877.25	6.34E-04	2.00E-07	5.82E-08	6.84E-04	2.16E-07	6.28E-08	1.08E-03	3.42E-07	9.94E-08
4616	479363.09, 3859877.25	9.82E-04	3.10E-07	9.02E-08	1.06E-03	3.35E-07	9.73E-08	1.68E-03	5.31E-07	1.54E-07
4617	479863.09, 3859877.25	1.25E-03	3.94E-07	1.15E-07	1.35E-03	4.25E-07	1.24E-07	2.14E-03	6.74E-07	1.96E-07
4618	480363.09, 3859877.25	1.46E-03	4.59E-07	1.34E-07	1.57E-03	4.96E-07	1.44E-07	2.49E-03	7.85E-07	2.28E-07
4619	480863.09, 3859877.25	1.61E-03	5.07E-07	1.48E-07	1.73E-03	5.47E-07	1.59E-07	2.74E-03	8.65E-07	2.52E-07
4620	481363.09, 3859877.25	1.76E-03	5.56E-07	1.62E-07	1.90E-03	6.00E-07	1.74E-07	3.00E-03	9.48E-07	2.76E-07
4621	481863.09, 3859877.25	1.91E-03	6.03E-07	1.75E-07	2.06E-03	6.51E-07	1.89E-07	3.26E-03	1.03E-06	2.99E-07
4622	482363.09, 3859877.25	2.07E-03	6.54E-07	1.90E-07	2.24E-03	7.05E-07	2.05E-07	3.53E-03	1.11E-06	3.24E-07
4623	482863.09, 3859877.25	2.25E-03	7.10E-07	2.06E-07	2.43E-03	7.66E-07	2.23E-07	3.83E-03	1.21E-06	3.52E-07
4624	483363.09, 3859877.25	2.42E-03	7.62E-07	2.22E-07	2.61E-03	8.22E-07	2.39E-07	4.11E-03	1.30E-06	3.77E-07
4625	483863.09, 3859877.25	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.51E-07	2.48E-07	4.23E-03	1.34E-06	3.89E-07
4626	484363.09, 3859877.25	2.63E-03	8.30E-07	2.41E-07	2.83E-03	8.94E-07	2.60E-07	4.44E-03	1.40E-06	4.08E-07
4627	484863.09, 3859877.25	2.80E-03	8.83E-07	2.57E-07	3.01E-03	9.52E-07	2.77E-07	4.73E-03	1.49E-06	4.34E-07
4628	485363.09, 3859877.25	2.94E-03	9.29E-07	2.70E-07	3.17E-03	1.00E-06	2.91E-07	4.97E-03	1.57E-06	4.56E-07
4629	485863.09, 3859877.25	3.06E-03	9.67E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.16E-03	1.63E-06	4.74E-07
4630	486363.09, 3859877.25	3.17E-03	1.00E-06	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.34E-03	1.69E-06	4.91E-07
4631	486863.09, 3859877.25	3.30E-03	1.04E-06	3.03E-07	3.55E-03	1.12E-06	3.26E-07	5.55E-03	1.75E-06	5.09E-07
4632	487363.09, 3859877.25	3.31E-03	1.05E-06	3.04E-07	3.57E-03	1.13E-06	3.27E-07	5.56E-03	1.76E-06	5.11E-07

4633	487863.09, 3859877.25	3.44E-03	1.09E-06	3.16E-07	3.71E-03	1.17E-06	3.41E-07	5.78E-03	1.83E-06	5.31E-07
4634	488363.09, 3859877.25	3.50E-03	1.11E-06	3.22E-07	3.77E-03	1.19E-06	3.46E-07	5.89E-03	1.86E-06	5.41E-07
4635	488863.09, 3859877.25	3.65E-03	1.15E-06	3.35E-07	3.93E-03	1.24E-06	3.61E-07	6.17E-03	1.95E-06	5.66E-07
4636	489363.09, 3859877.25	3.69E-03	1.16E-06	3.39E-07	3.98E-03	1.26E-06	3.65E-07	6.26E-03	1.97E-06	5.74E-07
4637	489863.09, 3859877.25	3.51E-03	1.11E-06	3.22E-07	3.79E-03	1.19E-06	3.47E-07	5.96E-03	1.88E-06	5.47E-07
4638	490363.09, 3859877.25	3.44E-03	1.09E-06	3.16E-07	3.71E-03	1.17E-06	3.41E-07	5.84E-03	1.84E-06	5.36E-07
4639	490863.09, 3859877.25	3.62E-03	1.14E-06	3.32E-07	3.90E-03	1.23E-06	3.58E-07	6.15E-03	1.94E-06	5.65E-07
4640	491363.09, 3859877.25	3.64E-03	1.15E-06	3.34E-07	3.93E-03	1.24E-06	3.60E-07	6.21E-03	1.96E-06	5.70E-07
4641	491863.09, 3859877.25	3.58E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.13E-03	1.94E-06	5.63E-07
4642	492363.09, 3859877.25	3.48E-03	1.10E-06	3.19E-07	3.75E-03	1.18E-06	3.45E-07	5.96E-03	1.88E-06	5.47E-07
4643	492863.09, 3859877.25	3.32E-03	1.05E-06	3.05E-07	3.58E-03	1.13E-06	3.29E-07	5.69E-03	1.80E-06	5.23E-07
4644	493363.09, 3859877.25	3.16E-03	9.99E-07	2.91E-07	3.42E-03	1.08E-06	3.14E-07	5.43E-03	1.71E-06	4.99E-07
4645	493863.09, 3859877.25	3.01E-03	9.51E-07	2.77E-07	3.25E-03	1.03E-06	2.99E-07	5.17E-03	1.63E-06	4.75E-07
4646	494363.09, 3859877.25	2.84E-03	8.97E-07	2.61E-07	3.07E-03	9.68E-07	2.82E-07	4.88E-03	1.54E-06	4.48E-07
4647	494863.09, 3859877.25	2.72E-03	8.59E-07	2.50E-07	2.94E-03	9.28E-07	2.70E-07	4.68E-03	1.48E-06	4.30E-07
4648	495363.09, 3859877.25	2.58E-03	8.15E-07	2.37E-07	2.79E-03	8.80E-07	2.56E-07	4.44E-03	1.40E-06	4.08E-07
4649	495863.09, 3859877.25	2.43E-03	7.68E-07	2.23E-07	2.63E-03	8.29E-07	2.41E-07	4.18E-03	1.32E-06	3.84E-07
4650	496363.09, 3859877.25	2.20E-03	6.96E-07	2.02E-07	2.38E-03	7.52E-07	2.19E-07	3.80E-03	1.20E-06	3.49E-07
4651	496863.09, 3859877.25	1.70E-03	5.36E-07	1.56E-07	1.84E-03	5.79E-07	1.69E-07	2.93E-03	9.23E-07	2.69E-07
4652	497363.09, 3859877.25	1.98E-03	6.24E-07	1.82E-07	2.14E-03	6.75E-07	1.96E-07	3.41E-03	1.08E-06	3.13E-07
4653	497863.09, 3859877.25	2.13E-03	6.72E-07	1.95E-07	2.30E-03	7.26E-07	2.11E-07	3.67E-03	1.16E-06	3.37E-07
4654	498363.09, 3859877.25	2.11E-03	6.67E-07	1.94E-07	2.28E-03	7.20E-07	2.10E-07	3.64E-03	1.15E-06	3.34E-07
4655	471363.09, 3860377.25	4.30E-04	1.36E-07	3.94E-08	4.64E-04	1.46E-07	4.26E-08	7.36E-04	2.32E-07	6.76E-08
4656	471863.09, 3860377.25	4.54E-04	1.43E-07	4.17E-08	4.90E-04	1.55E-07	4.50E-08	7.78E-04	2.46E-07	7.14E-08
4657	472363.09, 3860377.25	4.84E-04	1.53E-07	4.44E-08	5.22E-04	1.65E-07	4.79E-08	8.28E-04	2.61E-07	7.60E-08
4658	472863.09, 3860377.25	5.16E-04	1.63E-07	4.73E-08	5.56E-04	1.76E-07	5.11E-08	8.81E-04	2.78E-07	8.09E-08
4659	473363.09, 3860377.25	5.46E-04	1.72E-07	5.01E-08	5.89E-04	1.86E-07	5.41E-08	9.32E-04	2.94E-07	8.56E-08
4660	473863.09, 3860377.25	5.72E-04	1.80E-07	5.25E-08	6.17E-04	1.95E-07	5.66E-08	9.77E-04	3.08E-07	8.97E-08
4661	474363.09, 3860377.25	5.80E-04	1.83E-07	5.33E-08	6.26E-04	1.98E-07	5.75E-08	9.92E-04	3.13E-07	9.10E-08
4662	474863.09, 3860377.25	5.64E-04	1.78E-07	5.18E-08	6.09E-04	1.92E-07	5.59E-08	9.65E-04	3.05E-07	8.86E-08
4663	475363.09, 3860377.25	4.94E-04	1.56E-07	4.53E-08	5.33E-04	1.68E-07	4.89E-08	8.45E-04	2.67E-07	7.75E-08
4664	475863.09, 3860377.25	4.03E-04	1.27E-07	3.70E-08	4.35E-04	1.37E-07	3.99E-08	6.88E-04	2.17E-07	6.32E-08
4665	476363.09, 3860377.25	3.08E-04	9.72E-08	2.83E-08	3.32E-04	1.05E-07	3.05E-08	5.24E-04	1.65E-07	4.81E-08
4666	476863.09, 3860377.25	2.75E-04	8.68E-08	2.53E-08	2.97E-04	9.36E-08	2.72E-08	4.67E-04	1.47E-07	4.29E-08
4667	477363.09, 3860377.25	1.67E-04	5.26E-08	1.53E-08	1.80E-04	5.67E-08	1.65E-08	2.82E-04	8.89E-08	2.58E-08
4668	477863.09, 3860377.25	2.12E-04	6.68E-08	1.94E-08	2.28E-04	7.20E-08	2.09E-08	3.58E-04	1.13E-07	3.29E-08
4669	478363.09, 3860377.25	4.12E-04	1.30E-07	3.78E-08	4.45E-04	1.40E-07	4.08E-08	7.02E-04	2.22E-07	6.44E-08
4670	478863.09, 3860377.25	6.49E-04	2.05E-07	5.96E-08	7.00E-04	2.21E-07	6.43E-08	1.11E-03	3.50E-07	1.02E-07
4671	479363.09, 3860377.25	9.41E-04	2.97E-07	8.64E-08	1.02E-03	3.21E-07	9.33E-08	1.61E-03	5.09E-07	1.48E-07
4672	479863.09, 3860377.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.03E-07	1.17E-07	2.03E-03	6.40E-07	1.86E-07
4673	480363.09, 3860377.25	1.34E-03	4.23E-07	1.23E-07	1.45E-03	4.57E-07	1.33E-07	2.29E-03	7.23E-07	2.10E-07
4674	480863.09, 3860377.25	1.46E-03	4.61E-07	1.34E-07	1.58E-03	4.97E-07	1.45E-07	2.49E-03	7.85E-07	2.28E-07
4675	481363.09, 3860377.25	1.57E-03	4.96E-07	1.44E-07	1.70E-03	5.35E-07	1.56E-07	2.68E-03	8.45E-07	2.46E-07
4676	481863.09, 3860377.25	1.69E-03	5.33E-07	1.55E-07	1.82E-03	5.75E-07	1.67E-07	2.88E-03	9.09E-07	2.64E-07
4677	482363.09, 3860377.25	1.81E-03	5.70E-07	1.66E-07	1.95E-03	6.15E-07	1.79E-07	3.07E-03	9.70E-07	2.82E-07
4678	482863.09, 3860377.25	1.92E-03	6.07E-07	1.76E-07	2.07E-03	6.54E-07	1.90E-07	3.27E-03	1.03E-06	3.00E-07
4679	483363.09, 3860377.25	2.03E-03	6.42E-07	1.87E-07	2.19E-03	6.92E-07	2.01E-07	3.45E-03	1.09E-06	3.17E-07
4680	483863.09, 3860377.25	2.14E-03	6.76E-07	1.97E-07	2.31E-03	7.28E-07	2.12E-07	3.63E-03	1.14E-06	3.33E-07
4681	484363.09, 3860377.25	2.17E-03	6.85E-07	1.99E-07	2.34E-03	7.38E-07	2.15E-07	3.66E-03	1.16E-06	3.36E-07
4682	484863.09, 3860377.25	2.27E-03	7.15E-07	2.08E-07	2.44E-03	7.70E-07	2.24E-07	3.82E-03	1.21E-06	3.51E-07
4683	485363.09, 3860377.25	2.35E-03	7.41E-07	2.15E-07	2.53E-03	7.98E-07	2.32E-07	3.96E-03	1.25E-06	3.63E-07
4684	485863.09, 3860377.25	2.42E-03	7.62E-07	2.22E-07	2.60E-03	8.21E-07	2.39E-07	4.07E-03	1.28E-06	3.74E-07
4685	486363.09, 3860377.25	2.44E-03	7.70E-07	2.24E-07	2.63E-03	8.30E-07	2.41E-07	4.11E-03	1.30E-06	3.78E-07
4686	486863.09, 3860377.25	2.45E-03	7.75E-07	2.25E-07	2.64E-03	8.35E-07	2.43E-07	4.13E-03	1.30E-06	3.79E-07
4687	487363.09, 3860377.25	2.46E-03	7.77E-07	2.26E-07	2.65E-03	8.37E-07	2.43E-07	4.14E-03	1.31E-06	3.80E-07
4688	487863.09, 3860377.25	2.52E-03	7.94E-07	2.31E-07	2.71E-03	8.55E-07	2.49E-07	4.23E-03	1.34E-06	3.89E-07
4689	488363.09, 3860377.25	2.57E-03	8.10E-07	2.36E-07	2.77E-03	8.73E-07	2.54E-07	4.33E-03	1.37E-06	3.98E-07
4690	488863.09, 3860377.25	2.63E-03	8.30E-07	2.41E-07	2.83E-03	8.95E-07	2.60E-07	4.45E-03	1.40E-06	4.09E-07
4691	489363.09, 3860377.25	2.71E-03	8.54E-07	2.49E-07	2.92E-03	9.21E-07	2.68E-07	4.60E-03	1.45E-06	4.22E-07
4692	489863.09, 3860377.25	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.34E-07	2.72E-07	4.67E-03	1.47E-06	4.28E-07
4693	490363.09, 3860377.25	2.60E-03	8.21E-07	2.39E-07	2.81E-03	8.86E-07	2.58E-07	4.43E-03	1.40E-06	4.07E-07

4694	490863.09, 3860377.25	2.49E-03	7.86E-07	2.28E-07	2.68E-03	8.47E-07	2.46E-07	4.24E-03	1.34E-06	3.89E-07
4695	491363.09, 3860377.25	2.51E-03	7.93E-07	2.31E-07	2.71E-03	8.55E-07	2.49E-07	4.28E-03	1.35E-06	3.93E-07
4696	491863.09, 3860377.25	2.60E-03	8.22E-07	2.39E-07	2.81E-03	8.87E-07	2.58E-07	4.45E-03	1.40E-06	4.08E-07
4697	492363.09, 3860377.25	2.68E-03	8.47E-07	2.46E-07	2.90E-03	9.15E-07	2.66E-07	4.60E-03	1.45E-06	4.22E-07
4698	492863.09, 3860377.25	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.56E-03	1.44E-06	4.18E-07
4699	493363.09, 3860377.25	2.63E-03	8.29E-07	2.41E-07	2.84E-03	8.95E-07	2.60E-07	4.51E-03	1.42E-06	4.14E-07
4700	493863.09, 3860377.25	2.54E-03	8.01E-07	2.33E-07	2.74E-03	8.65E-07	2.52E-07	4.36E-03	1.38E-06	4.01E-07
4701	494363.09, 3860377.25	2.46E-03	7.77E-07	2.26E-07	2.66E-03	8.39E-07	2.44E-07	4.23E-03	1.34E-06	3.89E-07
4702	494863.09, 3860377.25	2.37E-03	7.48E-07	2.18E-07	2.56E-03	8.08E-07	2.35E-07	4.08E-03	1.29E-06	3.75E-07
4703	495363.09, 3860377.25	2.29E-03	7.23E-07	2.10E-07	2.48E-03	7.81E-07	2.27E-07	3.95E-03	1.25E-06	3.62E-07
4704	495863.09, 3860377.25	2.17E-03	6.84E-07	1.99E-07	2.34E-03	7.38E-07	2.15E-07	3.72E-03	1.18E-06	3.42E-07
4705	496363.09, 3860377.25	2.02E-03	6.36E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.47E-03	1.09E-06	3.18E-07
4706	496863.09, 3860377.25	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.22E-03	1.02E-06	2.95E-07
4707	497363.09, 3860377.25	1.68E-03	5.30E-07	1.54E-07	1.81E-03	5.72E-07	1.67E-07	2.89E-03	9.13E-07	2.65E-07
4708	497863.09, 3860377.25	1.84E-03	5.80E-07	1.69E-07	1.98E-03	6.26E-07	1.82E-07	3.16E-03	9.98E-07	2.90E-07
4709	498363.09, 3860377.25	1.87E-03	5.90E-07	1.72E-07	2.02E-03	6.37E-07	1.85E-07	3.22E-03	1.02E-06	2.96E-07
4710	471363.09, 3860877.25	4.34E-04	1.37E-07	3.99E-08	4.69E-04	1.48E-07	4.30E-08	7.43E-04	2.35E-07	6.82E-08
4711	471863.09, 3860877.25	4.58E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.54E-08	7.84E-04	2.47E-07	7.20E-08
4712	472363.09, 3860877.25	4.82E-04	1.52E-07	4.43E-08	5.20E-04	1.64E-07	4.78E-08	8.24E-04	2.60E-07	7.56E-08
4713	472863.09, 3860877.25	5.09E-04	1.61E-07	4.67E-08	5.49E-04	1.73E-07	5.04E-08	8.70E-04	2.74E-07	7.98E-08
4714	473363.09, 3860877.25	5.34E-04	1.68E-07	4.90E-08	5.76E-04	1.82E-07	5.29E-08	9.11E-04	2.88E-07	8.37E-08
4715	473863.09, 3860877.25	5.58E-04	1.76E-07	5.13E-08	6.02E-04	1.90E-07	5.53E-08	9.54E-04	3.01E-07	8.76E-08
4716	474363.09, 3860877.25	5.82E-04	1.84E-07	5.34E-08	6.27E-04	1.98E-07	5.76E-08	9.94E-04	3.14E-07	9.12E-08
4717	474863.09, 3860877.25	6.09E-04	1.92E-07	5.59E-08	6.57E-04	2.07E-07	6.03E-08	1.04E-03	3.28E-07	9.55E-08
4718	475363.09, 3860877.25	6.13E-04	1.94E-07	5.63E-08	6.62E-04	2.09E-07	6.08E-08	1.05E-03	3.31E-07	9.63E-08
4719	475863.09, 3860877.25	5.87E-04	1.85E-07	5.39E-08	6.34E-04	2.00E-07	5.82E-08	1.00E-03	3.17E-07	9.23E-08
4720	476363.09, 3860877.25	5.25E-04	1.66E-07	4.82E-08	5.66E-04	1.79E-07	5.20E-08	8.98E-04	2.83E-07	8.24E-08
4721	476863.09, 3860877.25	5.01E-04	1.58E-07	4.60E-08	5.41E-04	1.71E-07	4.96E-08	8.57E-04	2.70E-07	7.86E-08
4722	477363.09, 3860877.25	5.19E-04	1.64E-07	4.77E-08	5.60E-04	1.77E-07	5.14E-08	8.88E-04	2.80E-07	8.15E-08
4723	477863.09, 3860877.25	4.41E-04	1.39E-07	4.05E-08	4.76E-04	1.50E-07	4.37E-08	7.52E-04	2.37E-07	6.91E-08
4724	478363.09, 3860877.25	2.53E-04	7.98E-08	2.32E-08	2.72E-04	8.60E-08	2.50E-08	4.28E-04	1.35E-07	3.93E-08
4725	478863.09, 3860877.25	6.02E-04	1.90E-07	5.53E-08	6.50E-04	2.05E-07	5.96E-08	1.03E-03	3.25E-07	9.45E-08
4726	479363.09, 3860877.25	9.02E-04	2.85E-07	8.28E-08	9.74E-04	3.07E-07	8.94E-08	1.55E-03	4.88E-07	1.42E-07
4727	479863.09, 3860877.25	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.88E-03	5.95E-07	1.73E-07
4728	480363.09, 3860877.25	1.22E-03	3.85E-07	1.12E-07	1.32E-03	4.15E-07	1.21E-07	2.08E-03	6.56E-07	1.91E-07
4729	480863.09, 3860877.25	1.31E-03	4.12E-07	1.20E-07	1.41E-03	4.45E-07	1.29E-07	2.22E-03	7.02E-07	2.04E-07
4730	481363.09, 3860877.25	1.40E-03	4.41E-07	1.28E-07	1.51E-03	4.76E-07	1.38E-07	2.38E-03	7.51E-07	2.18E-07
4731	481863.09, 3860877.25	1.48E-03	4.67E-07	1.36E-07	1.60E-03	5.04E-07	1.47E-07	2.52E-03	7.95E-07	2.31E-07
4732	482363.09, 3860877.25	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.34E-07	1.55E-07	2.67E-03	8.41E-07	2.45E-07
4733	482863.09, 3860877.25	1.65E-03	5.22E-07	1.52E-07	1.78E-03	5.63E-07	1.64E-07	2.81E-03	8.86E-07	2.58E-07
4734	483363.09, 3860877.25	1.73E-03	5.46E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.93E-03	9.25E-07	2.69E-07
4735	483863.09, 3860877.25	1.80E-03	5.69E-07	1.66E-07	1.94E-03	6.13E-07	1.78E-07	3.05E-03	9.62E-07	2.80E-07
4736	484363.09, 3860877.25	1.85E-03	5.85E-07	1.70E-07	2.00E-03	6.31E-07	1.83E-07	3.13E-03	9.88E-07	2.87E-07
4737	484863.09, 3860877.25	1.87E-03	5.91E-07	1.72E-07	2.02E-03	6.36E-07	1.85E-07	3.16E-03	9.97E-07	2.90E-07
4738	485363.09, 3860877.25	1.93E-03	6.09E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.25E-03	1.03E-06	2.99E-07
4739	485863.09, 3860877.25	1.98E-03	6.26E-07	1.82E-07	2.14E-03	6.74E-07	1.96E-07	3.34E-03	1.06E-06	3.07E-07
4740	486363.09, 3860877.25	1.96E-03	6.18E-07	1.80E-07	2.11E-03	6.65E-07	1.94E-07	3.30E-03	1.04E-06	3.03E-07
4741	486863.09, 3860877.25	1.94E-03	6.13E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.27E-03	1.03E-06	3.00E-07
4742	487363.09, 3860877.25	1.94E-03	6.13E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.27E-03	1.03E-06	3.00E-07
4743	487863.09, 3860877.25	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.59E-07	1.92E-07	3.26E-03	1.03E-06	3.00E-07
4744	488363.09, 3860877.25	2.02E-03	6.38E-07	1.85E-07	2.18E-03	6.87E-07	2.00E-07	3.41E-03	1.08E-06	3.13E-07
4745	488863.09, 3860877.25	2.02E-03	6.39E-07	1.86E-07	2.18E-03	6.88E-07	2.00E-07	3.43E-03	1.08E-06	3.14E-07
4746	489363.09, 3860877.25	2.09E-03	6.61E-07	1.92E-07	2.26E-03	7.13E-07	2.07E-07	3.55E-03	1.12E-06	3.26E-07
4747	489863.09, 3860877.25	2.10E-03	6.62E-07	1.93E-07	2.26E-03	7.14E-07	2.08E-07	3.57E-03	1.13E-06	3.27E-07
4748	490363.09, 3860877.25	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.23E-07	2.10E-07	3.62E-03	1.14E-06	3.32E-07
4749	490863.09, 3860877.25	2.04E-03	6.44E-07	1.87E-07	2.20E-03	6.95E-07	2.02E-07	3.48E-03	1.10E-06	3.20E-07
4750	491363.09, 3860877.25	1.94E-03	6.12E-07	1.78E-07	2.09E-03	6.60E-07	1.92E-07	3.31E-03	1.04E-06	3.04E-07
4751	491863.09, 3860877.25	1.93E-03	6.08E-07	1.77E-07	2.08E-03	6.56E-07	1.91E-07	3.29E-03	1.04E-06	3.02E-07
4752	492363.09, 3860877.25	1.95E-03	6.14E-07	1.79E-07	2.10E-03	6.63E-07	1.93E-07	3.33E-03	1.05E-06	3.05E-07
4753	492863.09, 3860877.25	2.02E-03	6.37E-07	1.85E-07	2.18E-03	6.88E-07	2.00E-07	3.45E-03	1.09E-06	3.17E-07
4754	493363.09, 3860877.25	2.09E-03	6.58E-07	1.91E-07	2.25E-03	7.11E-07	2.07E-07	3.58E-03	1.13E-06	3.28E-07

4755	493863.09, 3860877.25	2.07E-03	6.54E-07	1.90E-07	2.24E-03	7.06E-07	2.05E-07	3.56E-03	1.12E-06	3.27E-07
4756	494363.09, 3860877.25	2.04E-03	6.43E-07	1.87E-07	2.20E-03	6.95E-07	2.02E-07	3.50E-03	1.11E-06	3.22E-07
4757	494863.09, 3860877.25	2.00E-03	6.31E-07	1.84E-07	2.16E-03	6.82E-07	1.98E-07	3.44E-03	1.09E-06	3.16E-07
4758	495363.09, 3860877.25	1.95E-03	6.16E-07	1.79E-07	2.11E-03	6.65E-07	1.94E-07	3.36E-03	1.06E-06	3.09E-07
4759	495863.09, 3860877.25	1.89E-03	5.98E-07	1.74E-07	2.04E-03	6.45E-07	1.88E-07	3.26E-03	1.03E-06	2.99E-07
4760	496363.09, 3860877.25	1.85E-03	5.84E-07	1.70E-07	2.00E-03	6.31E-07	1.84E-07	3.19E-03	1.01E-06	2.93E-07
4761	496863.09, 3860877.25	1.77E-03	5.58E-07	1.62E-07	1.91E-03	6.03E-07	1.75E-07	3.04E-03	9.59E-07	2.79E-07
4762	497363.09, 3860877.25	1.72E-03	5.42E-07	1.58E-07	1.85E-03	5.85E-07	1.70E-07	2.95E-03	9.32E-07	2.71E-07
4763	497863.09, 3860877.25	1.66E-03	5.23E-07	1.52E-07	1.79E-03	5.65E-07	1.64E-07	2.85E-03	8.99E-07	2.62E-07
4764	498363.09, 3860877.25	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.60E-07	1.63E-07	2.83E-03	8.92E-07	2.60E-07
4765	471363.09, 3861377.25	4.33E-04	1.37E-07	3.98E-08	4.67E-04	1.48E-07	4.29E-08	7.40E-04	2.34E-07	6.79E-08
4766	471863.09, 3861377.25	4.53E-04	1.43E-07	4.16E-08	4.89E-04	1.54E-07	4.49E-08	7.74E-04	2.44E-07	7.10E-08
4767	472363.09, 3861377.25	4.74E-04	1.50E-07	4.35E-08	5.11E-04	1.61E-07	4.69E-08	8.09E-04	2.55E-07	7.43E-08
4768	472863.09, 3861377.25	4.98E-04	1.57E-07	4.57E-08	5.37E-04	1.70E-07	4.93E-08	8.50E-04	2.68E-07	7.81E-08
4769	473363.09, 3861377.25	5.21E-04	1.64E-07	4.78E-08	5.62E-04	1.77E-07	5.16E-08	8.90E-04	2.81E-07	8.17E-08
4770	473863.09, 3861377.25	5.43E-04	1.72E-07	4.99E-08	5.86E-04	1.85E-07	5.38E-08	9.28E-04	2.93E-07	8.52E-08
4771	474363.09, 3861377.25	5.73E-04	1.81E-07	5.26E-08	6.18E-04	1.95E-07	5.67E-08	9.78E-04	3.09E-07	8.98E-08
4772	474863.09, 3861377.25	5.95E-04	1.88E-07	5.46E-08	6.42E-04	2.03E-07	5.89E-08	1.02E-03	3.21E-07	9.33E-08
4773	475363.09, 3861377.25	6.27E-04	1.98E-07	5.76E-08	6.77E-04	2.14E-07	6.21E-08	1.07E-03	3.38E-07	9.83E-08
4774	475863.09, 3861377.25	6.46E-04	2.04E-07	5.93E-08	6.97E-04	2.20E-07	6.40E-08	1.10E-03	3.48E-07	1.01E-07
4775	476363.09, 3861377.25	6.51E-04	2.06E-07	5.98E-08	7.03E-04	2.22E-07	6.45E-08	1.11E-03	3.51E-07	1.02E-07
4776	476863.09, 3861377.25	6.58E-04	2.08E-07	6.04E-08	7.10E-04	2.24E-07	6.52E-08	1.13E-03	3.55E-07	1.03E-07
4777	477363.09, 3861377.25	6.68E-04	2.11E-07	6.13E-08	7.21E-04	2.28E-07	6.62E-08	1.14E-03	3.61E-07	1.05E-07
4778	477863.09, 3861377.25	5.56E-04	1.76E-07	5.11E-08	6.00E-04	1.89E-07	5.51E-08	9.52E-04	3.00E-07	8.74E-08
4779	478363.09, 3861377.25	3.14E-04	9.91E-08	2.88E-08	3.39E-04	1.07E-07	3.11E-08	5.33E-04	1.68E-07	4.90E-08
4780	478863.09, 3861377.25	4.06E-04	1.28E-07	3.73E-08	4.38E-04	1.38E-07	4.02E-08	6.92E-04	2.18E-07	6.35E-08
4781	479363.09, 3861377.25	8.10E-04	2.56E-07	7.44E-08	8.74E-04	2.76E-07	8.03E-08	1.39E-03	4.38E-07	1.27E-07
4782	479863.09, 3861377.25	9.99E-04	3.15E-07	9.17E-08	1.08E-03	3.40E-07	9.89E-08	1.71E-03	5.38E-07	1.57E-07
4783	480363.09, 3861377.25	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.88E-03	5.92E-07	1.72E-07
4784	480863.09, 3861377.25	1.18E-03	3.71E-07	1.08E-07	1.27E-03	4.00E-07	1.16E-07	2.00E-03	6.31E-07	1.83E-07
4785	481363.09, 3861377.25	1.24E-03	3.91E-07	1.14E-07	1.34E-03	4.22E-07	1.23E-07	2.11E-03	6.65E-07	1.94E-07
4786	481863.09, 3861377.25	1.30E-03	4.12E-07	1.20E-07	1.41E-03	4.44E-07	1.29E-07	2.21E-03	6.99E-07	2.03E-07
4787	482363.09, 3861377.25	1.37E-03	4.32E-07	1.26E-07	1.48E-03	4.66E-07	1.36E-07	2.32E-03	7.33E-07	2.13E-07
4788	482863.09, 3861377.25	1.43E-03	4.52E-07	1.32E-07	1.54E-03	4.88E-07	1.42E-07	2.43E-03	7.66E-07	2.23E-07
4789	483363.09, 3861377.25	1.49E-03	4.71E-07	1.37E-07	1.61E-03	5.08E-07	1.48E-07	2.53E-03	7.97E-07	2.32E-07
4790	483863.09, 3861377.25	1.54E-03	4.87E-07	1.42E-07	1.66E-03	5.25E-07	1.53E-07	2.61E-03	8.23E-07	2.39E-07
4791	484363.09, 3861377.25	1.59E-03	5.03E-07	1.46E-07	1.72E-03	5.42E-07	1.58E-07	2.69E-03	8.50E-07	2.47E-07
4792	484863.09, 3861377.25	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.71E-03	8.56E-07	2.49E-07
4793	485363.09, 3861377.25	1.61E-03	5.07E-07	1.48E-07	1.73E-03	5.47E-07	1.59E-07	2.71E-03	8.56E-07	2.49E-07
4794	485863.09, 3861377.25	1.62E-03	5.13E-07	1.49E-07	1.75E-03	5.52E-07	1.61E-07	2.74E-03	8.64E-07	2.51E-07
4795	486363.09, 3861377.25	1.61E-03	5.09E-07	1.48E-07	1.74E-03	5.48E-07	1.59E-07	2.71E-03	8.56E-07	2.49E-07
4796	486863.09, 3861377.25	1.59E-03	5.03E-07	1.46E-07	1.72E-03	5.42E-07	1.58E-07	2.68E-03	8.46E-07	2.46E-07
4797	487363.09, 3861377.25	1.59E-03	5.01E-07	1.46E-07	1.71E-03	5.39E-07	1.57E-07	2.67E-03	8.42E-07	2.45E-07
4798	487863.09, 3861377.25	1.59E-03	5.00E-07	1.46E-07	1.71E-03	5.39E-07	1.57E-07	2.67E-03	8.43E-07	2.45E-07
4799	488363.09, 3861377.25	1.59E-03	5.01E-07	1.46E-07	1.71E-03	5.40E-07	1.57E-07	2.68E-03	8.46E-07	2.46E-07
4800	488863.09, 3861377.25	1.62E-03	5.12E-07	1.49E-07	1.75E-03	5.52E-07	1.61E-07	2.75E-03	8.67E-07	2.52E-07
4801	489363.09, 3861377.25	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.58E-07	1.62E-07	2.78E-03	8.78E-07	2.55E-07
4802	489863.09, 3861377.25	1.67E-03	5.28E-07	1.54E-07	1.80E-03	5.69E-07	1.66E-07	2.84E-03	8.97E-07	2.61E-07
4803	490363.09, 3861377.25	1.70E-03	5.36E-07	1.56E-07	1.83E-03	5.78E-07	1.68E-07	2.89E-03	9.13E-07	2.66E-07
4804	490863.09, 3861377.25	1.72E-03	5.42E-07	1.58E-07	1.85E-03	5.85E-07	1.70E-07	2.93E-03	9.25E-07	2.69E-07
4805	491363.09, 3861377.25	1.66E-03	5.25E-07	1.53E-07	1.79E-03	5.66E-07	1.65E-07	2.84E-03	8.96E-07	2.61E-07
4806	491863.09, 3861377.25	1.58E-03	4.98E-07	1.45E-07	1.70E-03	5.38E-07	1.56E-07	2.70E-03	8.51E-07	2.48E-07
4807	492363.09, 3861377.25	1.54E-03	4.87E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.64E-03	8.33E-07	2.42E-07
4808	492863.09, 3861377.25	1.56E-03	4.91E-07	1.43E-07	1.68E-03	5.30E-07	1.54E-07	2.66E-03	8.39E-07	2.44E-07
4809	493363.09, 3861377.25	1.60E-03	5.06E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.74E-03	8.65E-07	2.52E-07
4810	493863.09, 3861377.25	1.64E-03	5.18E-07	1.51E-07	1.77E-03	5.60E-07	1.63E-07	2.82E-03	8.89E-07	2.58E-07
4811	494363.09, 3861377.25	1.66E-03	5.24E-07	1.53E-07	1.79E-03	5.66E-07	1.65E-07	2.85E-03	9.00E-07	2.62E-07
4812	494863.09, 3861377.25	1.66E-03	5.24E-07	1.52E-07	1.79E-03	5.65E-07	1.64E-07	2.85E-03	9.00E-07	2.62E-07
4813	495363.09, 3861377.25	1.64E-03	5.16E-07	1.50E-07	1.77E-03	5.58E-07	1.62E-07	2.81E-03	8.88E-07	2.58E-07
4814	495863.09, 3861377.25	1.60E-03	5.04E-07	1.47E-07	1.72E-03	5.44E-07	1.58E-07	2.75E-03	8.68E-07	2.52E-07
4815	496363.09, 3861377.25	1.58E-03	4.98E-07	1.45E-07	1.71E-03	5.38E-07	1.57E-07	2.72E-03	8.58E-07	2.50E-07

4816	496863.09, 3861377.25	1.57E-03	4.95E-07	1.44E-07	1.69E-03	5.34E-07	1.55E-07	2.70E-03	8.53E-07	2.48E-07
4817	497363.09, 3861377.25	1.53E-03	4.83E-07	1.41E-07	1.65E-03	5.22E-07	1.52E-07	2.64E-03	8.33E-07	2.42E-07
4818	497863.09, 3861377.25	1.49E-03	4.71E-07	1.37E-07	1.61E-03	5.09E-07	1.48E-07	2.58E-03	8.13E-07	2.37E-07
4819	498363.09, 3861377.25	1.46E-03	4.60E-07	1.34E-07	1.58E-03	4.97E-07	1.45E-07	2.52E-03	7.95E-07	2.31E-07
4820	471363.09, 3861877.25	4.26E-04	1.34E-07	3.91E-08	4.60E-04	1.45E-07	4.22E-08	7.28E-04	2.30E-07	6.68E-08
4821	471863.09, 3861877.25	4.44E-04	1.40E-07	4.08E-08	4.79E-04	1.51E-07	4.40E-08	7.58E-04	2.39E-07	6.96E-08
4822	472363.09, 3861877.25	4.63E-04	1.46E-07	4.25E-08	5.00E-04	1.58E-07	4.59E-08	7.92E-04	2.50E-07	7.27E-08
4823	472863.09, 3861877.25	4.85E-04	1.53E-07	4.45E-08	5.23E-04	1.65E-07	4.80E-08	8.28E-04	2.61E-07	7.60E-08
4824	473363.09, 3861877.25	5.07E-04	1.60E-07	4.66E-08	5.47E-04	1.73E-07	5.02E-08	8.66E-04	2.73E-07	7.95E-08
4825	473863.09, 3861877.25	5.29E-04	1.67E-07	4.86E-08	5.71E-04	1.80E-07	5.24E-08	9.03E-04	2.85E-07	8.29E-08
4826	474363.09, 3861877.25	5.53E-04	1.75E-07	5.08E-08	5.97E-04	1.88E-07	5.48E-08	9.44E-04	2.98E-07	8.67E-08
4827	474863.09, 3861877.25	5.76E-04	1.82E-07	5.29E-08	6.22E-04	1.96E-07	5.71E-08	9.83E-04	3.10E-07	9.03E-08
4828	475363.09, 3861877.25	6.02E-04	1.90E-07	5.53E-08	6.49E-04	2.05E-07	5.96E-08	1.03E-03	3.24E-07	9.43E-08
4829	475863.09, 3861877.25	6.31E-04	1.99E-07	5.79E-08	6.81E-04	2.15E-07	6.25E-08	1.08E-03	3.40E-07	9.88E-08
4830	476363.09, 3861877.25	6.59E-04	2.08E-07	6.05E-08	7.11E-04	2.24E-07	6.52E-08	1.12E-03	3.55E-07	1.03E-07
4831	476863.09, 3861877.25	6.78E-04	2.14E-07	6.22E-08	7.31E-04	2.31E-07	6.71E-08	1.16E-03	3.65E-07	1.06E-07
4832	477363.09, 3861877.25	6.87E-04	2.17E-07	6.31E-08	7.42E-04	2.34E-07	6.81E-08	1.18E-03	3.71E-07	1.08E-07
4833	477863.09, 3861877.25	5.57E-04	1.76E-07	5.12E-08	6.01E-04	1.90E-07	5.52E-08	9.53E-04	3.01E-07	8.75E-08
4834	478363.09, 3861877.25	2.56E-04	8.09E-08	2.35E-08	2.76E-04	8.72E-08	2.54E-08	4.35E-04	1.37E-07	3.99E-08
4835	478863.09, 3861877.25	4.64E-04	1.46E-07	4.26E-08	5.01E-04	1.58E-07	4.60E-08	7.92E-04	2.50E-07	7.27E-08
4836	479363.09, 3861877.25	4.18E-04	1.32E-07	3.83E-08	4.50E-04	1.42E-07	4.14E-08	7.12E-04	2.25E-07	6.53E-08
4837	479863.09, 3861877.25	9.04E-04	2.85E-07	8.30E-08	9.75E-04	3.08E-07	8.95E-08	1.54E-03	4.87E-07	1.42E-07
4838	480363.09, 3861877.25	1.00E-03	3.16E-07	9.19E-08	1.08E-03	3.41E-07	9.91E-08	1.70E-03	5.37E-07	1.56E-07
4839	480863.09, 3861877.25	1.05E-03	3.32E-07	9.66E-08	1.13E-03	3.58E-07	1.04E-07	1.79E-03	5.64E-07	1.64E-07
4840	481363.09, 3861877.25	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.87E-03	5.90E-07	1.72E-07
4841	481863.09, 3861877.25	1.15E-03	3.64E-07	1.06E-07	1.24E-03	3.93E-07	1.14E-07	1.96E-03	6.17E-07	1.80E-07
4842	482363.09, 3861877.25	1.21E-03	3.81E-07	1.11E-07	1.30E-03	4.11E-07	1.20E-07	2.05E-03	6.46E-07	1.88E-07
4843	482863.09, 3861877.25	1.26E-03	3.98E-07	1.16E-07	1.36E-03	4.29E-07	1.25E-07	2.14E-03	6.74E-07	1.96E-07
4844	483363.09, 3861877.25	1.31E-03	4.12E-07	1.20E-07	1.41E-03	4.44E-07	1.29E-07	2.21E-03	6.97E-07	2.03E-07
4845	483863.09, 3861877.25	1.34E-03	4.23E-07	1.23E-07	1.44E-03	4.56E-07	1.33E-07	2.26E-03	7.14E-07	2.08E-07
4846	484363.09, 3861877.25	1.36E-03	4.29E-07	1.25E-07	1.47E-03	4.62E-07	1.35E-07	2.30E-03	7.25E-07	2.11E-07
4847	484863.09, 3861877.25	1.39E-03	4.37E-07	1.27E-07	1.49E-03	4.71E-07	1.37E-07	2.34E-03	7.38E-07	2.15E-07
4848	485363.09, 3861877.25	1.38E-03	4.37E-07	1.27E-07	1.49E-03	4.71E-07	1.37E-07	2.34E-03	7.37E-07	2.14E-07
4849	485863.09, 3861877.25	1.37E-03	4.31E-07	1.25E-07	1.47E-03	4.65E-07	1.35E-07	2.30E-03	7.26E-07	2.11E-07
4850	486363.09, 3861877.25	1.36E-03	4.28E-07	1.24E-07	1.46E-03	4.61E-07	1.34E-07	2.28E-03	7.19E-07	2.09E-07
4851	486863.09, 3861877.25	1.34E-03	4.23E-07	1.23E-07	1.44E-03	4.55E-07	1.32E-07	2.25E-03	7.11E-07	2.07E-07
4852	487363.09, 3861877.25	1.33E-03	4.20E-07	1.22E-07	1.43E-03	4.52E-07	1.32E-07	2.24E-03	7.07E-07	2.06E-07
4853	487863.09, 3861877.25	1.33E-03	4.19E-07	1.22E-07	1.43E-03	4.52E-07	1.31E-07	2.24E-03	7.07E-07	2.06E-07
4854	488363.09, 3861877.25	1.33E-03	4.19E-07	1.22E-07	1.43E-03	4.52E-07	1.31E-07	2.24E-03	7.08E-07	2.06E-07
4855	488863.09, 3861877.25	1.34E-03	4.24E-07	1.23E-07	1.45E-03	4.57E-07	1.33E-07	2.27E-03	7.17E-07	2.09E-07
4856	489363.09, 3861877.25	1.35E-03	4.26E-07	1.24E-07	1.46E-03	4.60E-07	1.34E-07	2.29E-03	7.23E-07	2.10E-07
4857	489863.09, 3861877.25	1.37E-03	4.33E-07	1.26E-07	1.48E-03	4.67E-07	1.36E-07	2.33E-03	7.36E-07	2.14E-07
4858	490363.09, 3861877.25	1.38E-03	4.35E-07	1.27E-07	1.49E-03	4.69E-07	1.36E-07	2.35E-03	7.40E-07	2.15E-07
4859	490863.09, 3861877.25	1.40E-03	4.43E-07	1.29E-07	1.51E-03	4.78E-07	1.39E-07	2.39E-03	7.55E-07	2.20E-07
4860	491363.09, 3861877.25	1.43E-03	4.51E-07	1.31E-07	1.54E-03	4.86E-07	1.41E-07	2.44E-03	7.70E-07	2.24E-07
4861	491863.09, 3861877.25	1.40E-03	4.41E-07	1.28E-07	1.51E-03	4.76E-07	1.39E-07	2.39E-03	7.55E-07	2.19E-07
4862	492363.09, 3861877.25	1.32E-03	4.17E-07	1.21E-07	1.43E-03	4.50E-07	1.31E-07	2.26E-03	7.13E-07	2.07E-07
4863	492863.09, 3861877.25	1.28E-03	4.04E-07	1.18E-07	1.38E-03	4.36E-07	1.27E-07	2.19E-03	6.92E-07	2.01E-07
4864	493363.09, 3861877.25	1.28E-03	4.03E-07	1.17E-07	1.38E-03	4.35E-07	1.26E-07	2.18E-03	6.90E-07	2.01E-07
4865	493863.09, 3861877.25	1.30E-03	4.10E-07	1.19E-07	1.40E-03	4.42E-07	1.29E-07	2.22E-03	7.01E-07	2.04E-07
4866	494363.09, 3861877.25	1.33E-03	4.21E-07	1.22E-07	1.44E-03	4.54E-07	1.32E-07	2.29E-03	7.21E-07	2.10E-07
4867	494863.09, 3861877.25	1.37E-03	4.33E-07	1.26E-07	1.48E-03	4.67E-07	1.36E-07	2.35E-03	7.43E-07	2.16E-07
4868	495363.09, 3861877.25	1.38E-03	4.37E-07	1.27E-07	1.49E-03	4.72E-07	1.37E-07	2.38E-03	7.51E-07	2.18E-07
4869	495863.09, 3861877.25	1.38E-03	4.35E-07	1.26E-07	1.49E-03	4.69E-07	1.37E-07	2.37E-03	7.48E-07	2.18E-07
4870	496363.09, 3861877.25	1.36E-03	4.30E-07	1.25E-07	1.47E-03	4.64E-07	1.35E-07	2.35E-03	7.41E-07	2.15E-07
4871	496863.09, 3861877.25	1.40E-03	4.43E-07	1.29E-07	1.52E-03	4.78E-07	1.39E-07	2.42E-03	7.63E-07	2.22E-07
4872	497363.09, 3861877.25	1.34E-03	4.22E-07	1.23E-07	1.44E-03	4.56E-07	1.33E-07	2.31E-03	7.28E-07	2.12E-07
4873	497863.09, 3861877.25	1.30E-03	4.09E-07	1.19E-07	1.40E-03	4.42E-07	1.28E-07	2.23E-03	7.05E-07	2.05E-07
4874	498363.09, 3861877.25	1.26E-03	3.99E-07	1.16E-07	1.37E-03	4.31E-07	1.25E-07	2.18E-03	6.89E-07	2.00E-07
4875	471363.09, 3862377.25	4.16E-04	1.31E-07	3.82E-08	4.49E-04	1.42E-07	4.12E-08	7.10E-04	2.24E-07	6.52E-08
4876	471863.09, 3862377.25	4.32E-04	1.36E-07	3.97E-08	4.66E-04	1.47E-07	4.28E-08	7.38E-04	2.33E-07	6.78E-08

4877	472363.09, 3862377.25	4.51E-04	1.42E-07	4.14E-08	4.86E-04	1.53E-07	4.46E-08	7.70E-04	2.43E-07	7.06E-08
4878	472863.09, 3862377.25	4.70E-04	1.48E-07	4.31E-08	5.07E-04	1.60E-07	4.65E-08	8.02E-04	2.53E-07	7.36E-08
4879	473363.09, 3862377.25	4.89E-04	1.54E-07	4.49E-08	5.28E-04	1.67E-07	4.84E-08	8.35E-04	2.63E-07	7.66E-08
4880	473863.09, 3862377.25	5.09E-04	1.61E-07	4.67E-08	5.49E-04	1.73E-07	5.04E-08	8.68E-04	2.74E-07	7.97E-08
4881	474363.09, 3862377.25	5.28E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	9.00E-04	2.84E-07	8.27E-08
4882	474863.09, 3862377.25	5.46E-04	1.72E-07	5.01E-08	5.89E-04	1.86E-07	5.41E-08	9.31E-04	2.94E-07	8.55E-08
4883	475363.09, 3862377.25	5.71E-04	1.80E-07	5.25E-08	6.16E-04	1.95E-07	5.66E-08	9.74E-04	3.07E-07	8.94E-08
4884	475863.09, 3862377.25	5.97E-04	1.89E-07	5.49E-08	6.44E-04	2.03E-07	5.92E-08	1.02E-03	3.21E-07	9.35E-08
4885	476363.09, 3862377.25	6.23E-04	1.97E-07	5.72E-08	6.72E-04	2.12E-07	6.17E-08	1.06E-03	3.35E-07	9.75E-08
4886	476863.09, 3862377.25	6.48E-04	2.05E-07	5.95E-08	6.99E-04	2.21E-07	6.42E-08	1.11E-03	3.49E-07	1.01E-07
4887	477363.09, 3862377.25	6.65E-04	2.10E-07	6.11E-08	7.17E-04	2.26E-07	6.59E-08	1.13E-03	3.58E-07	1.04E-07
4888	477863.09, 3862377.25	5.96E-04	1.88E-07	5.47E-08	6.43E-04	2.03E-07	5.90E-08	1.02E-03	3.22E-07	9.35E-08
4889	478363.09, 3862377.25	4.83E-04	1.52E-07	4.43E-08	5.21E-04	1.64E-07	4.78E-08	8.25E-04	2.60E-07	7.57E-08
4890	478863.09, 3862377.25	5.19E-04	1.64E-07	4.76E-08	5.60E-04	1.77E-07	5.14E-08	8.87E-04	2.80E-07	8.14E-08
4891	479363.09, 3862377.25	6.28E-04	1.98E-07	5.77E-08	6.78E-04	2.14E-07	6.23E-08	1.08E-03	3.39E-07	9.87E-08
4892	479863.09, 3862377.25	8.40E-04	2.65E-07	7.71E-08	9.06E-04	2.86E-07	8.32E-08	1.43E-03	4.51E-07	1.31E-07
4893	480363.09, 3862377.25	9.05E-04	2.86E-07	8.31E-08	9.75E-04	3.08E-07	8.96E-08	1.54E-03	4.85E-07	1.41E-07
4894	480863.09, 3862377.25	9.46E-04	2.99E-07	8.68E-08	1.02E-03	3.22E-07	9.36E-08	1.60E-03	5.06E-07	1.47E-07
4895	481363.09, 3862377.25	9.89E-04	3.12E-07	9.08E-08	1.07E-03	3.37E-07	9.79E-08	1.68E-03	5.29E-07	1.54E-07
4896	481863.09, 3862377.25	1.03E-03	3.26E-07	9.48E-08	1.11E-03	3.51E-07	1.02E-07	1.75E-03	5.52E-07	1.61E-07
4897	482363.09, 3862377.25	1.08E-03	3.40E-07	9.89E-08	1.16E-03	3.67E-07	1.07E-07	1.82E-03	5.76E-07	1.67E-07
4898	482863.09, 3862377.25	1.12E-03	3.53E-07	1.03E-07	1.21E-03	3.80E-07	1.11E-07	1.89E-03	5.97E-07	1.74E-07
4899	483363.09, 3862377.25	1.15E-03	3.63E-07	1.06E-07	1.24E-03	3.92E-07	1.14E-07	1.95E-03	6.15E-07	1.79E-07
4900	483863.09, 3862377.25	1.17E-03	3.69E-07	1.07E-07	1.26E-03	3.97E-07	1.15E-07	1.97E-03	6.22E-07	1.81E-07
4901	484363.09, 3862377.25	1.19E-03	3.75E-07	1.09E-07	1.28E-03	4.04E-07	1.17E-07	2.00E-03	6.32E-07	1.84E-07
4902	484863.09, 3862377.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.03E-07	1.17E-07	2.00E-03	6.30E-07	1.83E-07
4903	485363.09, 3862377.25	1.18E-03	3.72E-07	1.08E-07	1.27E-03	4.01E-07	1.17E-07	1.99E-03	6.27E-07	1.82E-07
4904	485863.09, 3862377.25	1.18E-03	3.71E-07	1.08E-07	1.27E-03	4.00E-07	1.16E-07	1.98E-03	6.25E-07	1.82E-07
4905	486363.09, 3862377.25	1.16E-03	3.66E-07	1.06E-07	1.25E-03	3.94E-07	1.15E-07	1.95E-03	6.15E-07	1.79E-07
4906	486863.09, 3862377.25	1.15E-03	3.61E-07	1.05E-07	1.23E-03	3.89E-07	1.13E-07	1.92E-03	6.07E-07	1.77E-07
4907	487363.09, 3862377.25	1.13E-03	3.58E-07	1.04E-07	1.22E-03	3.85E-07	1.12E-07	1.90E-03	6.01E-07	1.75E-07
4908	487863.09, 3862377.25	1.13E-03	3.58E-07	1.04E-07	1.22E-03	3.85E-07	1.12E-07	1.91E-03	6.03E-07	1.75E-07
4909	488363.09, 3862377.25	1.14E-03	3.58E-07	1.04E-07	1.22E-03	3.86E-07	1.12E-07	1.92E-03	6.05E-07	1.76E-07
4910	488863.09, 3862377.25	1.15E-03	3.61E-07	1.05E-07	1.23E-03	3.90E-07	1.13E-07	1.94E-03	6.12E-07	1.78E-07
4911	489363.09, 3862377.25	1.16E-03	3.65E-07	1.06E-07	1.25E-03	3.93E-07	1.14E-07	1.96E-03	6.18E-07	1.80E-07
4912	489863.09, 3862377.25	1.17E-03	3.69E-07	1.07E-07	1.26E-03	3.98E-07	1.16E-07	1.99E-03	6.27E-07	1.82E-07
4913	490363.09, 3862377.25	1.18E-03	3.74E-07	1.09E-07	1.28E-03	4.03E-07	1.17E-07	2.01E-03	6.36E-07	1.85E-07
4914	490863.09, 3862377.25	1.19E-03	3.76E-07	1.09E-07	1.28E-03	4.05E-07	1.18E-07	2.03E-03	6.40E-07	1.86E-07
4915	491363.09, 3862377.25	1.21E-03	3.82E-07	1.11E-07	1.31E-03	4.12E-07	1.20E-07	2.06E-03	6.52E-07	1.90E-07
4916	491863.09, 3862377.25	1.22E-03	3.86E-07	1.12E-07	1.32E-03	4.16E-07	1.21E-07	2.09E-03	6.59E-07	1.92E-07
4917	492363.09, 3862377.25	1.20E-03	3.79E-07	1.10E-07	1.30E-03	4.09E-07	1.19E-07	2.06E-03	6.49E-07	1.89E-07
4918	492863.09, 3862377.25	1.15E-03	3.62E-07	1.05E-07	1.24E-03	3.91E-07	1.14E-07	1.96E-03	6.19E-07	1.80E-07
4919	493363.09, 3862377.25	1.11E-03	3.49E-07	1.02E-07	1.19E-03	3.77E-07	1.10E-07	1.89E-03	5.97E-07	1.74E-07
4920	493863.09, 3862377.25	1.09E-03	3.44E-07	1.00E-07	1.18E-03	3.71E-07	1.08E-07	1.87E-03	5.89E-07	1.71E-07
4921	494363.09, 3862377.25	1.09E-03	3.46E-07	1.01E-07	1.18E-03	3.73E-07	1.08E-07	1.88E-03	5.92E-07	1.72E-07
4922	494863.09, 3862377.25	1.12E-03	3.53E-07	1.03E-07	1.21E-03	3.81E-07	1.11E-07	1.92E-03	6.06E-07	1.76E-07
4923	495363.09, 3862377.25	1.14E-03	3.61E-07	1.05E-07	1.23E-03	3.89E-07	1.13E-07	1.96E-03	6.19E-07	1.80E-07
4924	495863.09, 3862377.25	1.16E-03	3.68E-07	1.07E-07	1.26E-03	3.97E-07	1.15E-07	2.00E-03	6.32E-07	1.84E-07
4925	496363.09, 3862377.25	1.17E-03	3.70E-07	1.08E-07	1.27E-03	3.99E-07	1.16E-07	2.02E-03	6.36E-07	1.85E-07
4926	496863.09, 3862377.25	1.18E-03	3.72E-07	1.08E-07	1.27E-03	4.02E-07	1.17E-07	2.03E-03	6.40E-07	1.86E-07
4927	497363.09, 3862377.25	1.16E-03	3.65E-07	1.06E-07	1.25E-03	3.94E-07	1.15E-07	1.99E-03	6.28E-07	1.83E-07
4928	497863.09, 3862377.25	1.13E-03	3.57E-07	1.04E-07	1.22E-03	3.86E-07	1.12E-07	1.95E-03	6.16E-07	1.79E-07
4929	498363.09, 3862377.25	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.76E-07	1.09E-07	1.90E-03	6.01E-07	1.75E-07
4930	471363.09, 3862877.25	4.03E-04	1.27E-07	3.70E-08	4.35E-04	1.37E-07	4.00E-08	6.89E-04	2.17E-07	6.33E-08
4931	471863.09, 3862877.25	4.19E-04	1.32E-07	3.84E-08	4.52E-04	1.43E-07	4.15E-08	7.15E-04	2.26E-07	6.56E-08
4932	472363.09, 3862877.25	4.35E-04	1.37E-07	3.99E-08	4.69E-04	1.48E-07	4.30E-08	7.41E-04	2.34E-07	6.81E-08
4933	472863.09, 3862877.25	4.51E-04	1.42E-07	4.14E-08	4.86E-04	1.53E-07	4.46E-08	7.69E-04	2.43E-07	7.06E-08
4934	473363.09, 3862877.25	4.69E-04	1.48E-07	4.30E-08	5.05E-04	1.60E-07	4.64E-08	7.99E-04	2.52E-07	7.34E-08
4935	473863.09, 3862877.25	4.85E-04	1.53E-07	4.45E-08	5.23E-04	1.65E-07	4.80E-08	8.27E-04	2.61E-07	7.59E-08
4936	474363.09, 3862877.25	5.00E-04	1.58E-07	4.59E-08	5.40E-04	1.70E-07	4.96E-08	8.53E-04	2.69E-07	7.83E-08
4937	474863.09, 3862877.25	5.18E-04	1.64E-07	4.76E-08	5.59E-04	1.76E-07	5.13E-08	8.83E-04	2.79E-07	8.10E-08

4938	475363.09, 3862877.25	5.41E-04	1.71E-07	4.97E-08	5.84E-04	1.84E-07	5.36E-08	9.22E-04	2.91E-07	8.47E-08
4939	475863.09, 3862877.25	5.63E-04	1.78E-07	5.17E-08	6.08E-04	1.92E-07	5.58E-08	9.60E-04	3.03E-07	8.82E-08
4940	476363.09, 3862877.25	5.86E-04	1.85E-07	5.38E-08	6.33E-04	2.00E-07	5.81E-08	9.99E-04	3.15E-07	9.17E-08
4941	476863.09, 3862877.25	6.07E-04	1.92E-07	5.57E-08	6.55E-04	2.07E-07	6.01E-08	1.03E-03	3.26E-07	9.48E-08
4942	477363.09, 3862877.25	6.29E-04	1.98E-07	5.77E-08	6.78E-04	2.14E-07	6.22E-08	1.07E-03	3.38E-07	9.82E-08
4943	477863.09, 3862877.25	6.27E-04	1.98E-07	5.76E-08	6.76E-04	2.13E-07	6.21E-08	1.07E-03	3.38E-07	9.82E-08
4944	478363.09, 3862877.25	5.53E-04	1.74E-07	5.08E-08	5.97E-04	1.88E-07	5.48E-08	9.46E-04	2.98E-07	8.68E-08
4945	478863.09, 3862877.25	5.83E-04	1.84E-07	5.35E-08	6.29E-04	1.99E-07	5.77E-08	9.97E-04	3.15E-07	9.15E-08
4946	479363.09, 3862877.25	6.25E-04	1.97E-07	5.74E-08	6.75E-04	2.13E-07	6.19E-08	1.07E-03	3.37E-07	9.80E-08
4947	479863.09, 3862877.25	7.88E-04	2.49E-07	7.24E-08	8.50E-04	2.68E-07	7.80E-08	1.34E-03	4.22E-07	1.23E-07
4948	480363.09, 3862877.25	8.22E-04	2.60E-07	7.55E-08	8.86E-04	2.80E-07	8.14E-08	1.39E-03	4.40E-07	1.28E-07
4949	480863.09, 3862877.25	8.60E-04	2.71E-07	7.89E-08	9.27E-04	2.92E-07	8.51E-08	1.46E-03	4.60E-07	1.34E-07
4950	481363.09, 3862877.25	8.95E-04	2.82E-07	8.21E-08	9.64E-04	3.04E-07	8.85E-08	1.51E-03	4.78E-07	1.39E-07
4951	481863.09, 3862877.25	9.36E-04	2.95E-07	8.59E-08	1.01E-03	3.18E-07	9.26E-08	1.59E-03	5.00E-07	1.46E-07
4952	482363.09, 3862877.25	9.65E-04	3.05E-07	8.86E-08	1.04E-03	3.28E-07	9.55E-08	1.63E-03	5.15E-07	1.50E-07
4953	482863.09, 3862877.25	9.97E-04	3.15E-07	9.15E-08	1.07E-03	3.39E-07	9.86E-08	1.69E-03	5.32E-07	1.55E-07
4954	483363.09, 3862877.25	1.02E-03	3.22E-07	9.37E-08	1.10E-03	3.47E-07	1.01E-07	1.72E-03	5.44E-07	1.58E-07
4955	483863.09, 3862877.25	1.03E-03	3.25E-07	9.47E-08	1.11E-03	3.51E-07	1.02E-07	1.74E-03	5.49E-07	1.60E-07
4956	484363.09, 3862877.25	1.04E-03	3.27E-07	9.52E-08	1.12E-03	3.52E-07	1.03E-07	1.75E-03	5.52E-07	1.60E-07
4957	484863.09, 3862877.25	1.03E-03	3.24E-07	9.43E-08	1.11E-03	3.49E-07	1.02E-07	1.73E-03	5.46E-07	1.59E-07
4958	485363.09, 3862877.25	1.03E-03	3.24E-07	9.41E-08	1.10E-03	3.49E-07	1.01E-07	1.73E-03	5.45E-07	1.58E-07
4959	485863.09, 3862877.25	1.02E-03	3.21E-07	9.33E-08	1.09E-03	3.46E-07	1.01E-07	1.71E-03	5.40E-07	1.57E-07
4960	486363.09, 3862877.25	1.01E-03	3.20E-07	9.30E-08	1.09E-03	3.44E-07	1.00E-07	1.70E-03	5.37E-07	1.56E-07
4961	486863.09, 3862877.25	9.94E-04	3.14E-07	9.12E-08	1.07E-03	3.38E-07	9.82E-08	1.67E-03	5.27E-07	1.53E-07
4962	487363.09, 3862877.25	9.83E-04	3.10E-07	9.02E-08	1.06E-03	3.34E-07	9.71E-08	1.65E-03	5.21E-07	1.52E-07
4963	487863.09, 3862877.25	9.81E-04	3.10E-07	9.01E-08	1.06E-03	3.33E-07	9.70E-08	1.65E-03	5.21E-07	1.52E-07
4964	488363.09, 3862877.25	9.86E-04	3.11E-07	9.05E-08	1.06E-03	3.35E-07	9.75E-08	1.66E-03	5.25E-07	1.53E-07
4965	488863.09, 3862877.25	9.92E-04	3.13E-07	9.11E-08	1.07E-03	3.38E-07	9.82E-08	1.68E-03	5.30E-07	1.54E-07
4966	489363.09, 3862877.25	9.97E-04	3.15E-07	9.15E-08	1.07E-03	3.39E-07	9.86E-08	1.69E-03	5.33E-07	1.55E-07
4967	489863.09, 3862877.25	1.01E-03	3.18E-07	9.25E-08	1.09E-03	3.43E-07	9.97E-08	1.71E-03	5.39E-07	1.57E-07
4968	490363.09, 3862877.25	1.02E-03	3.22E-07	9.37E-08	1.10E-03	3.47E-07	1.01E-07	1.73E-03	5.47E-07	1.59E-07
4969	490863.09, 3862877.25	1.03E-03	3.24E-07	9.43E-08	1.11E-03	3.50E-07	1.02E-07	1.75E-03	5.52E-07	1.60E-07
4970	491363.09, 3862877.25	1.04E-03	3.29E-07	9.57E-08	1.12E-03	3.55E-07	1.03E-07	1.78E-03	5.60E-07	1.63E-07
4971	491863.09, 3862877.25	1.05E-03	3.31E-07	9.63E-08	1.13E-03	3.57E-07	1.04E-07	1.79E-03	5.65E-07	1.64E-07
4972	492363.09, 3862877.25	1.07E-03	3.37E-07	9.80E-08	1.15E-03	3.63E-07	1.06E-07	1.82E-03	5.76E-07	1.67E-07
4973	492863.09, 3862877.25	1.05E-03	3.32E-07	9.65E-08	1.13E-03	3.58E-07	1.04E-07	1.80E-03	5.68E-07	1.65E-07
4974	493363.09, 3862877.25	1.01E-03	3.19E-07	9.27E-08	1.09E-03	3.44E-07	1.00E-07	1.73E-03	5.45E-07	1.59E-07
4975	493863.09, 3862877.25	9.73E-04	3.07E-07	8.94E-08	1.05E-03	3.32E-07	9.64E-08	1.67E-03	5.26E-07	1.53E-07
4976	494363.09, 3862877.25	9.54E-04	3.01E-07	8.76E-08	1.03E-03	3.25E-07	9.45E-08	1.63E-03	5.15E-07	1.50E-07
4977	494863.09, 3862877.25	9.44E-04	2.98E-07	8.66E-08	1.02E-03	3.21E-07	9.35E-08	1.62E-03	5.10E-07	1.48E-07
4978	495363.09, 3862877.25	9.52E-04	3.00E-07	8.74E-08	1.03E-03	3.24E-07	9.43E-08	1.63E-03	5.15E-07	1.50E-07
4979	495863.09, 3862877.25	9.73E-04	3.07E-07	8.94E-08	1.05E-03	3.32E-07	9.65E-08	1.67E-03	5.27E-07	1.53E-07
4980	496363.09, 3862877.25	9.98E-04	3.15E-07	9.16E-08	1.08E-03	3.40E-07	9.89E-08	1.72E-03	5.41E-07	1.57E-07
4981	496863.09, 3862877.25	1.02E-03	3.20E-07	9.32E-08	1.10E-03	3.46E-07	1.01E-07	1.75E-03	5.51E-07	1.60E-07
4982	497363.09, 3862877.25	1.02E-03	3.21E-07	9.33E-08	1.10E-03	3.47E-07	1.01E-07	1.75E-03	5.53E-07	1.61E-07
4983	497863.09, 3862877.25	1.01E-03	3.19E-07	9.27E-08	1.09E-03	3.44E-07	1.00E-07	1.74E-03	5.49E-07	1.60E-07
4984	498363.09, 3862877.25	9.99E-04	3.15E-07	9.17E-08	1.08E-03	3.41E-07	9.91E-08	1.72E-03	5.44E-07	1.58E-07
4985	471363.09, 3863377.25	3.89E-04	1.23E-07	3.57E-08	4.20E-04	1.33E-07	3.86E-08	6.65E-04	2.10E-07	6.10E-08
4986	471863.09, 3863377.25	4.03E-04	1.27E-07	3.70E-08	4.34E-04	1.37E-07	3.99E-08	6.87E-04	2.17E-07	6.31E-08
4987	472363.09, 3863377.25	4.16E-04	1.31E-07	3.82E-08	4.49E-04	1.42E-07	4.12E-08	7.10E-04	2.24E-07	6.52E-08
4988	472863.09, 3863377.25	4.30E-04	1.36E-07	3.95E-08	4.64E-04	1.46E-07	4.26E-08	7.33E-04	2.31E-07	6.73E-08
4989	473363.09, 3863377.25	4.44E-04	1.40E-07	4.08E-08	4.79E-04	1.51E-07	4.40E-08	7.57E-04	2.39E-07	6.95E-08
4990	473863.09, 3863377.25	4.59E-04	1.45E-07	4.21E-08	4.95E-04	1.56E-07	4.54E-08	7.81E-04	2.47E-07	7.17E-08
4991	474363.09, 3863377.25	4.74E-04	1.50E-07	4.35E-08	5.11E-04	1.61E-07	4.69E-08	8.07E-04	2.55E-07	7.41E-08
4992	474863.09, 3863377.25	4.91E-04	1.55E-07	4.50E-08	5.29E-04	1.67E-07	4.86E-08	8.35E-04	2.64E-07	7.67E-08
4993	475363.09, 3863377.25	5.09E-04	1.61E-07	4.67E-08	5.49E-04	1.73E-07	5.04E-08	8.66E-04	2.73E-07	7.95E-08
4994	475863.09, 3863377.25	5.28E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	8.99E-04	2.84E-07	8.26E-08
4995	476363.09, 3863377.25	5.48E-04	1.73E-07	5.03E-08	5.91E-04	1.87E-07	5.43E-08	9.32E-04	2.94E-07	8.56E-08
4996	476863.09, 3863377.25	5.69E-04	1.80E-07	5.23E-08	6.14E-04	1.94E-07	5.64E-08	9.68E-04	3.05E-07	8.88E-08
4997	477363.09, 3863377.25	5.91E-04	1.86E-07	5.42E-08	6.37E-04	2.01E-07	5.85E-08	1.00E-03	3.17E-07	9.22E-08
4998	477863.09, 3863377.25	6.06E-04	1.91E-07	5.56E-08	6.53E-04	2.06E-07	6.00E-08	1.03E-03	3.25E-07	9.46E-08

4999	478363.09, 3863377.25	6.02E-04	1.90E-07	5.53E-08	6.50E-04	2.05E-07	5.96E-08	1.03E-03	3.24E-07	9.42E-08
5000	478863.09, 3863377.25	6.39E-04	2.02E-07	5.87E-08	6.90E-04	2.18E-07	6.33E-08	1.09E-03	3.43E-07	9.99E-08
5001	479363.09, 3863377.25	6.89E-04	2.17E-07	6.32E-08	7.43E-04	2.34E-07	6.82E-08	1.17E-03	3.69E-07	1.07E-07
5002	479863.09, 3863377.25	7.24E-04	2.28E-07	6.64E-08	7.80E-04	2.46E-07	7.16E-08	1.23E-03	3.87E-07	1.12E-07
5003	480363.09, 3863377.25	7.52E-04	2.37E-07	6.90E-08	8.11E-04	2.56E-07	7.44E-08	1.27E-03	4.02E-07	1.17E-07
5004	480863.09, 3863377.25	7.85E-04	2.48E-07	7.20E-08	8.46E-04	2.67E-07	7.76E-08	1.33E-03	4.19E-07	1.22E-07
5005	481363.09, 3863377.25	8.12E-04	2.56E-07	7.46E-08	8.75E-04	2.76E-07	8.04E-08	1.38E-03	4.34E-07	1.26E-07
5006	481863.09, 3863377.25	8.42E-04	2.66E-07	7.73E-08	9.07E-04	2.86E-07	8.33E-08	1.42E-03	4.49E-07	1.31E-07
5007	482363.09, 3863377.25	8.69E-04	2.74E-07	7.98E-08	9.36E-04	2.96E-07	8.60E-08	1.47E-03	4.64E-07	1.35E-07
5008	482863.09, 3863377.25	8.91E-04	2.81E-07	8.18E-08	9.60E-04	3.03E-07	8.82E-08	1.51E-03	4.76E-07	1.38E-07
5009	483363.09, 3863377.25	9.07E-04	2.86E-07	8.33E-08	9.78E-04	3.09E-07	8.97E-08	1.53E-03	4.84E-07	1.41E-07
5010	483863.09, 3863377.25	9.12E-04	2.88E-07	8.37E-08	9.83E-04	3.10E-07	9.02E-08	1.54E-03	4.86E-07	1.41E-07
5011	484363.09, 3863377.25	9.08E-04	2.87E-07	8.34E-08	9.79E-04	3.09E-07	8.98E-08	1.53E-03	4.83E-07	1.41E-07
5012	484863.09, 3863377.25	9.06E-04	2.86E-07	8.32E-08	9.76E-04	3.08E-07	8.96E-08	1.52E-03	4.81E-07	1.40E-07
5013	485363.09, 3863377.25	8.97E-04	2.83E-07	8.23E-08	9.66E-04	3.05E-07	8.87E-08	1.51E-03	4.76E-07	1.38E-07
5014	485863.09, 3863377.25	8.91E-04	2.81E-07	8.18E-08	9.60E-04	3.03E-07	8.81E-08	1.50E-03	4.73E-07	1.37E-07
5015	486363.09, 3863377.25	8.87E-04	2.80E-07	8.15E-08	9.56E-04	3.02E-07	8.77E-08	1.49E-03	4.71E-07	1.37E-07
5016	486863.09, 3863377.25	8.77E-04	2.77E-07	8.05E-08	9.44E-04	2.98E-07	8.67E-08	1.47E-03	4.65E-07	1.35E-07
5017	487363.09, 3863377.25	8.66E-04	2.73E-07	7.95E-08	9.32E-04	2.94E-07	8.56E-08	1.45E-03	4.59E-07	1.33E-07
5018	487863.09, 3863377.25	8.61E-04	2.72E-07	7.90E-08	9.27E-04	2.93E-07	8.51E-08	1.45E-03	4.57E-07	1.33E-07
5019	488363.09, 3863377.25	8.63E-04	2.72E-07	7.93E-08	9.30E-04	2.94E-07	8.54E-08	1.46E-03	4.59E-07	1.34E-07
5020	488863.09, 3863377.25	8.70E-04	2.75E-07	7.99E-08	9.38E-04	2.96E-07	8.61E-08	1.47E-03	4.64E-07	1.35E-07
5021	489363.09, 3863377.25	8.72E-04	2.75E-07	8.00E-08	9.39E-04	2.97E-07	8.62E-08	1.48E-03	4.66E-07	1.36E-07
5022	489863.09, 3863377.25	8.76E-04	2.77E-07	8.05E-08	9.45E-04	2.98E-07	8.67E-08	1.49E-03	4.69E-07	1.36E-07
5023	490363.09, 3863377.25	8.88E-04	2.80E-07	8.15E-08	9.57E-04	3.02E-07	8.79E-08	1.51E-03	4.76E-07	1.38E-07
5024	490863.09, 3863377.25	9.02E-04	2.85E-07	8.28E-08	9.72E-04	3.07E-07	8.93E-08	1.53E-03	4.84E-07	1.41E-07
5025	491363.09, 3863377.25	9.02E-04	2.85E-07	8.28E-08	9.73E-04	3.07E-07	8.93E-08	1.54E-03	4.85E-07	1.41E-07
5026	491863.09, 3863377.25	9.07E-04	2.86E-07	8.33E-08	9.78E-04	3.09E-07	8.98E-08	1.55E-03	4.88E-07	1.42E-07
5027	492363.09, 3863377.25	9.32E-04	2.94E-07	8.56E-08	1.01E-03	3.17E-07	9.23E-08	1.59E-03	5.02E-07	1.46E-07
5028	492863.09, 3863377.25	9.65E-04	3.05E-07	8.86E-08	1.04E-03	3.29E-07	9.56E-08	1.65E-03	5.21E-07	1.52E-07
5029	493363.09, 3863377.25	9.65E-04	3.05E-07	8.86E-08	1.04E-03	3.29E-07	9.57E-08	1.65E-03	5.22E-07	1.52E-07
5030	493863.09, 3863377.25	9.26E-04	2.92E-07	8.50E-08	9.99E-04	3.15E-07	9.17E-08	1.59E-03	5.00E-07	1.46E-07
5031	494363.09, 3863377.25	8.80E-04	2.78E-07	8.08E-08	9.50E-04	3.00E-07	8.72E-08	1.51E-03	4.75E-07	1.38E-07
5032	494863.09, 3863377.25	8.60E-04	2.72E-07	7.90E-08	9.29E-04	2.93E-07	8.53E-08	1.47E-03	4.65E-07	1.35E-07
5033	495363.09, 3863377.25	8.59E-04	2.71E-07	7.89E-08	9.27E-04	2.93E-07	8.51E-08	1.47E-03	4.65E-07	1.35E-07
5034	495863.09, 3863377.25	8.65E-04	2.73E-07	7.94E-08	9.34E-04	2.95E-07	8.57E-08	1.48E-03	4.68E-07	1.36E-07
5035	496363.09, 3863377.25	8.54E-04	2.70E-07	7.84E-08	9.22E-04	2.91E-07	8.46E-08	1.47E-03	4.63E-07	1.35E-07
5036	496863.09, 3863377.25	8.57E-04	2.71E-07	7.87E-08	9.26E-04	2.92E-07	8.50E-08	1.47E-03	4.65E-07	1.35E-07
5037	497363.09, 3863377.25	8.77E-04	2.77E-07	8.05E-08	9.47E-04	2.99E-07	8.70E-08	1.51E-03	4.76E-07	1.38E-07
5038	497863.09, 3863377.25	8.92E-04	2.82E-07	8.19E-08	9.64E-04	3.04E-07	8.85E-08	1.54E-03	4.85E-07	1.41E-07
5039	498363.09, 3863377.25	8.95E-04	2.83E-07	8.22E-08	9.67E-04	3.05E-07	8.88E-08	1.54E-03	4.87E-07	1.42E-07
5040	471363.09, 3863877.25	3.73E-04	1.18E-07	3.42E-08	4.02E-04	1.27E-07	3.69E-08	6.36E-04	2.01E-07	5.84E-08
5041	471863.09, 3863877.25	3.84E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.55E-04	2.07E-07	6.01E-08
5042	472363.09, 3863877.25	3.96E-04	1.25E-07	3.63E-08	4.27E-04	1.35E-07	3.92E-08	6.75E-04	2.13E-07	6.20E-08
5043	472863.09, 3863877.25	4.08E-04	1.29E-07	3.74E-08	4.40E-04	1.39E-07	4.04E-08	6.95E-04	2.19E-07	6.38E-08
5044	473363.09, 3863877.25	4.20E-04	1.32E-07	3.85E-08	4.53E-04	1.43E-07	4.16E-08	7.14E-04	2.26E-07	6.56E-08
5045	473863.09, 3863877.25	4.33E-04	1.37E-07	3.97E-08	4.66E-04	1.47E-07	4.28E-08	7.36E-04	2.32E-07	6.76E-08
5046	474363.09, 3863877.25	4.46E-04	1.41E-07	4.10E-08	4.81E-04	1.52E-07	4.42E-08	7.59E-04	2.40E-07	6.97E-08
5047	474863.09, 3863877.25	4.60E-04	1.45E-07	4.23E-08	4.96E-04	1.57E-07	4.56E-08	7.83E-04	2.47E-07	7.19E-08
5048	475363.09, 3863877.25	4.77E-04	1.51E-07	4.38E-08	5.14E-04	1.62E-07	4.72E-08	8.11E-04	2.56E-07	7.44E-08
5049	475863.09, 3863877.25	4.93E-04	1.56E-07	4.52E-08	5.31E-04	1.68E-07	4.88E-08	8.37E-04	2.64E-07	7.69E-08
5050	476363.09, 3863877.25	5.10E-04	1.61E-07	4.68E-08	5.50E-04	1.74E-07	5.05E-08	8.66E-04	2.73E-07	7.95E-08
5051	476863.09, 3863877.25	5.29E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	8.97E-04	2.83E-07	8.23E-08
5052	477363.09, 3863877.25	5.49E-04	1.73E-07	5.04E-08	5.92E-04	1.87E-07	5.44E-08	9.32E-04	2.94E-07	8.55E-08
5053	477863.09, 3863877.25	5.71E-04	1.80E-07	5.24E-08	6.15E-04	1.94E-07	5.65E-08	9.69E-04	3.06E-07	8.90E-08
5054	478363.09, 3863877.25	5.82E-04	1.84E-07	5.34E-08	6.27E-04	1.98E-07	5.76E-08	9.88E-04	3.12E-07	9.07E-08
5055	478863.09, 3863877.25	6.21E-04	1.96E-07	5.70E-08	6.70E-04	2.11E-07	6.15E-08	1.05E-03	3.33E-07	9.67E-08
5056	479363.09, 3863877.25	6.46E-04	2.04E-07	5.93E-08	6.96E-04	2.20E-07	6.39E-08	1.09E-03	3.45E-07	1.00E-07
5057	479863.09, 3863877.25	6.67E-04	2.11E-07	6.13E-08	7.19E-04	2.27E-07	6.60E-08	1.13E-03	3.57E-07	1.04E-07
5058	480363.09, 3863877.25	6.91E-04	2.18E-07	6.35E-08	7.45E-04	2.35E-07	6.84E-08	1.17E-03	3.69E-07	1.07E-07
5059	480863.09, 3863877.25	7.18E-04	2.27E-07	6.59E-08	7.74E-04	2.44E-07	7.11E-08	1.22E-03	3.84E-07	1.12E-07

5060	481363.09, 3863877.25	7.42E-04	2.34E-07	6.81E-08	7.99E-04	2.52E-07	7.34E-08	1.26E-03	3.96E-07	1.15E-07
5061	481863.09, 3863877.25	7.64E-04	2.41E-07	7.01E-08	8.23E-04	2.60E-07	7.56E-08	1.29E-03	4.08E-07	1.19E-07
5062	482363.09, 3863877.25	7.87E-04	2.48E-07	7.22E-08	8.48E-04	2.68E-07	7.78E-08	1.33E-03	4.20E-07	1.22E-07
5063	482863.09, 3863877.25	8.02E-04	2.53E-07	7.36E-08	8.64E-04	2.73E-07	7.94E-08	1.36E-03	4.28E-07	1.24E-07
5064	483363.09, 3863877.25	8.10E-04	2.56E-07	7.44E-08	8.73E-04	2.76E-07	8.02E-08	1.37E-03	4.32E-07	1.26E-07
5065	483863.09, 3863877.25	8.12E-04	2.56E-07	7.45E-08	8.75E-04	2.76E-07	8.03E-08	1.37E-03	4.32E-07	1.26E-07
5066	484363.09, 3863877.25	8.06E-04	2.54E-07	7.40E-08	8.68E-04	2.74E-07	7.97E-08	1.36E-03	4.28E-07	1.25E-07
5067	484863.09, 3863877.25	8.01E-04	2.53E-07	7.35E-08	8.62E-04	2.72E-07	7.92E-08	1.35E-03	4.25E-07	1.24E-07
5068	485363.09, 3863877.25	7.94E-04	2.51E-07	7.29E-08	8.55E-04	2.70E-07	7.85E-08	1.33E-03	4.21E-07	1.22E-07
5069	485863.09, 3863877.25	7.93E-04	2.50E-07	7.28E-08	8.53E-04	2.69E-07	7.83E-08	1.33E-03	4.20E-07	1.22E-07
5070	486363.09, 3863877.25	7.86E-04	2.48E-07	7.22E-08	8.46E-04	2.67E-07	7.77E-08	1.32E-03	4.17E-07	1.21E-07
5071	486863.09, 3863877.25	7.77E-04	2.45E-07	7.13E-08	8.36E-04	2.64E-07	7.68E-08	1.30E-03	4.12E-07	1.20E-07
5072	487363.09, 3863877.25	7.69E-04	2.43E-07	7.06E-08	8.27E-04	2.61E-07	7.60E-08	1.29E-03	4.07E-07	1.18E-07
5073	487863.09, 3863877.25	7.63E-04	2.41E-07	7.01E-08	8.22E-04	2.59E-07	7.55E-08	1.28E-03	4.05E-07	1.18E-07
5074	488363.09, 3863877.25	7.65E-04	2.41E-07	7.02E-08	8.24E-04	2.60E-07	7.56E-08	1.29E-03	4.07E-07	1.18E-07
5075	488863.09, 3863877.25	7.71E-04	2.43E-07	7.07E-08	8.30E-04	2.62E-07	7.62E-08	1.30E-03	4.11E-07	1.20E-07
5076	489363.09, 3863877.25	7.73E-04	2.44E-07	7.09E-08	8.33E-04	2.63E-07	7.65E-08	1.31E-03	4.13E-07	1.20E-07
5077	489863.09, 3863877.25	7.75E-04	2.45E-07	7.11E-08	8.35E-04	2.64E-07	7.67E-08	1.31E-03	4.14E-07	1.20E-07
5078	490363.09, 3863877.25	7.82E-04	2.47E-07	7.18E-08	8.43E-04	2.66E-07	7.74E-08	1.33E-03	4.19E-07	1.22E-07
5079	490863.09, 3863877.25	7.93E-04	2.50E-07	7.28E-08	8.55E-04	2.70E-07	7.85E-08	1.35E-03	4.25E-07	1.24E-07
5080	491363.09, 3863877.25	8.00E-04	2.53E-07	7.35E-08	8.63E-04	2.72E-07	7.92E-08	1.36E-03	4.30E-07	1.25E-07
5081	491863.09, 3863877.25	8.20E-04	2.59E-07	7.53E-08	8.85E-04	2.79E-07	8.12E-08	1.40E-03	4.41E-07	1.28E-07
5082	492363.09, 3863877.25	8.37E-04	2.64E-07	7.68E-08	9.03E-04	2.85E-07	8.29E-08	1.43E-03	4.51E-07	1.31E-07
5083	492863.09, 3863877.25	8.43E-04	2.66E-07	7.74E-08	9.09E-04	2.87E-07	8.35E-08	1.44E-03	4.54E-07	1.32E-07
5084	493363.09, 3863877.25	8.75E-04	2.76E-07	8.03E-08	9.44E-04	2.98E-07	8.67E-08	1.50E-03	4.72E-07	1.37E-07
5085	493863.09, 3863877.25	8.67E-04	2.74E-07	7.96E-08	9.35E-04	2.95E-07	8.59E-08	1.48E-03	4.68E-07	1.36E-07
5086	494363.09, 3863877.25	8.32E-04	2.63E-07	7.64E-08	8.98E-04	2.83E-07	8.24E-08	1.43E-03	4.50E-07	1.31E-07
5087	494863.09, 3863877.25	7.94E-04	2.51E-07	7.29E-08	8.57E-04	2.71E-07	7.87E-08	1.36E-03	4.29E-07	1.25E-07
5088	495363.09, 3863877.25	7.72E-04	2.44E-07	7.09E-08	8.33E-04	2.63E-07	7.65E-08	1.32E-03	4.17E-07	1.21E-07
5089	495863.09, 3863877.25	7.64E-04	2.41E-07	7.02E-08	8.25E-04	2.60E-07	7.57E-08	1.31E-03	4.13E-07	1.20E-07
5090	496363.09, 3863877.25	7.57E-04	2.39E-07	6.95E-08	8.17E-04	2.58E-07	7.50E-08	1.30E-03	4.10E-07	1.19E-07
5091	496863.09, 3863877.25	7.55E-04	2.38E-07	6.93E-08	8.15E-04	2.57E-07	7.48E-08	1.30E-03	4.09E-07	1.19E-07
5092	497363.09, 3863877.25	7.60E-04	2.40E-07	6.98E-08	8.21E-04	2.59E-07	7.54E-08	1.31E-03	4.12E-07	1.20E-07
5093	497863.09, 3863877.25	7.75E-04	2.45E-07	7.12E-08	8.37E-04	2.64E-07	7.68E-08	1.33E-03	4.21E-07	1.22E-07
5094	498363.09, 3863877.25	7.87E-04	2.48E-07	7.22E-08	8.50E-04	2.68E-07	7.80E-08	1.35E-03	4.28E-07	1.24E-07
5095	471363.09, 3864377.25	3.56E-04	1.12E-07	3.27E-08	3.84E-04	1.21E-07	3.52E-08	6.06E-04	1.91E-07	5.57E-08
5096	471863.09, 3864377.25	3.66E-04	1.15E-07	3.36E-08	3.94E-04	1.24E-07	3.62E-08	6.23E-04	1.97E-07	5.72E-08
5097	472363.09, 3864377.25	3.76E-04	1.19E-07	3.45E-08	4.05E-04	1.28E-07	3.72E-08	6.40E-04	2.02E-07	5.87E-08
5098	472863.09, 3864377.25	3.86E-04	1.22E-07	3.54E-08	4.16E-04	1.31E-07	3.82E-08	6.57E-04	2.07E-07	6.03E-08
5099	473363.09, 3864377.25	3.96E-04	1.25E-07	3.63E-08	4.27E-04	1.35E-07	3.92E-08	6.74E-04	2.13E-07	6.18E-08
5100	473863.09, 3864377.25	4.07E-04	1.28E-07	3.73E-08	4.39E-04	1.38E-07	4.03E-08	6.92E-04	2.18E-07	6.35E-08
5101	474363.09, 3864377.25	4.19E-04	1.32E-07	3.85E-08	4.52E-04	1.43E-07	4.15E-08	7.13E-04	2.25E-07	6.54E-08
5102	474863.09, 3864377.25	4.32E-04	1.36E-07	3.96E-08	4.65E-04	1.47E-07	4.27E-08	7.33E-04	2.31E-07	6.73E-08
5103	475363.09, 3864377.25	4.46E-04	1.41E-07	4.09E-08	4.80E-04	1.52E-07	4.41E-08	7.56E-04	2.39E-07	6.94E-08
5104	475863.09, 3864377.25	4.59E-04	1.45E-07	4.22E-08	4.95E-04	1.56E-07	4.54E-08	7.79E-04	2.46E-07	7.15E-08
5105	476363.09, 3864377.25	4.75E-04	1.50E-07	4.36E-08	5.12E-04	1.62E-07	4.70E-08	8.05E-04	2.54E-07	7.39E-08
5106	476863.09, 3864377.25	4.93E-04	1.56E-07	4.53E-08	5.31E-04	1.68E-07	4.88E-08	8.35E-04	2.64E-07	7.67E-08
5107	477363.09, 3864377.25	5.12E-04	1.62E-07	4.70E-08	5.52E-04	1.74E-07	5.07E-08	8.68E-04	2.74E-07	7.97E-08
5108	477863.09, 3864377.25	5.34E-04	1.69E-07	4.90E-08	5.75E-04	1.82E-07	5.28E-08	9.04E-04	2.85E-07	8.30E-08
5109	478363.09, 3864377.25	5.56E-04	1.76E-07	5.11E-08	6.00E-04	1.89E-07	5.51E-08	9.43E-04	2.97E-07	8.65E-08
5110	478863.09, 3864377.25	5.78E-04	1.82E-07	5.30E-08	6.23E-04	1.97E-07	5.72E-08	9.79E-04	3.09E-07	8.98E-08
5111	479363.09, 3864377.25	5.96E-04	1.88E-07	5.47E-08	6.42E-04	2.03E-07	5.90E-08	1.01E-03	3.18E-07	9.26E-08
5112	479863.09, 3864377.25	6.16E-04	1.95E-07	5.66E-08	6.64E-04	2.10E-07	6.10E-08	1.04E-03	3.29E-07	9.58E-08
5113	480363.09, 3864377.25	6.39E-04	2.02E-07	5.87E-08	6.89E-04	2.17E-07	6.33E-08	1.08E-03	3.42E-07	9.94E-08
5114	480863.09, 3864377.25	6.58E-04	2.08E-07	6.04E-08	7.10E-04	2.24E-07	6.51E-08	1.11E-03	3.52E-07	1.02E-07
5115	481363.09, 3864377.25	6.78E-04	2.14E-07	6.22E-08	7.30E-04	2.30E-07	6.70E-08	1.15E-03	3.62E-07	1.05E-07
5116	481863.09, 3864377.25	6.96E-04	2.20E-07	6.39E-08	7.50E-04	2.37E-07	6.89E-08	1.18E-03	3.72E-07	1.08E-07
5117	482363.09, 3864377.25	7.13E-04	2.25E-07	6.54E-08	7.68E-04	2.42E-07	7.05E-08	1.20E-03	3.80E-07	1.11E-07
5118	482863.09, 3864377.25	7.24E-04	2.28E-07	6.64E-08	7.80E-04	2.46E-07	7.16E-08	1.22E-03	3.86E-07	1.12E-07
5119	483363.09, 3864377.25	7.27E-04	2.29E-07	6.67E-08	7.83E-04	2.47E-07	7.19E-08	1.23E-03	3.87E-07	1.13E-07
5120	483863.09, 3864377.25	7.25E-04	2.29E-07	6.66E-08	7.81E-04	2.46E-07	7.17E-08	1.22E-03	3.85E-07	1.12E-07

5121 484363.09, 3864377.25	7.20E-04	2.27E-07	6.61E-08	7.76E-04	2.45E-07	7.12E-08	1.21E-03	3.82E-07	1.11E-07
5122 484863.09, 3864377.25	7.12E-04	2.25E-07	6.54E-08	7.67E-04	2.42E-07	7.04E-08	1.20E-03	3.78E-07	1.10E-07
5123 485363.09, 3864377.25	7.06E-04	2.23E-07	6.49E-08	7.61E-04	2.40E-07	6.98E-08	1.19E-03	3.74E-07	1.09E-07
5124 485863.09, 3864377.25	7.05E-04	2.22E-07	6.47E-08	7.59E-04	2.39E-07	6.97E-08	1.18E-03	3.73E-07	1.09E-07
5125 486363.09, 3864377.25	7.02E-04	2.21E-07	6.44E-08	7.56E-04	2.38E-07	6.94E-08	1.18E-03	3.72E-07	1.08E-07
5126 486863.09, 3864377.25	6.94E-04	2.19E-07	6.37E-08	7.48E-04	2.36E-07	6.86E-08	1.16E-03	3.68E-07	1.07E-07
5127 487363.09, 3864377.25	6.89E-04	2.18E-07	6.33E-08	7.42E-04	2.34E-07	6.81E-08	1.16E-03	3.65E-07	1.06E-07
5128 487863.09, 3864377.25	6.85E-04	2.16E-07	6.29E-08	7.38E-04	2.33E-07	6.77E-08	1.15E-03	3.63E-07	1.06E-07
5129 488363.09, 3864377.25	6.84E-04	2.16E-07	6.28E-08	7.36E-04	2.32E-07	6.76E-08	1.15E-03	3.63E-07	1.06E-07
5130 488863.09, 3864377.25	6.89E-04	2.17E-07	6.32E-08	7.42E-04	2.34E-07	6.81E-08	1.16E-03	3.67E-07	1.07E-07
5131 489363.09, 3864377.25	6.92E-04	2.18E-07	6.35E-08	7.45E-04	2.35E-07	6.84E-08	1.17E-03	3.69E-07	1.07E-07
5132 489863.09, 3864377.25	6.93E-04	2.19E-07	6.36E-08	7.47E-04	2.36E-07	6.85E-08	1.17E-03	3.70E-07	1.08E-07
5133 490363.09, 3864377.25	6.97E-04	2.20E-07	6.40E-08	7.52E-04	2.37E-07	6.90E-08	1.18E-03	3.73E-07	1.09E-07
5134 490863.09, 3864377.25	7.09E-04	2.24E-07	6.51E-08	7.65E-04	2.41E-07	7.02E-08	1.20E-03	3.80E-07	1.11E-07
5135 491363.09, 3864377.25	7.39E-04	2.33E-07	6.78E-08	7.97E-04	2.52E-07	7.32E-08	1.26E-03	3.97E-07	1.15E-07
5136 491863.09, 3864377.25	4.54E-04	1.43E-07	4.17E-08	4.90E-04	1.55E-07	4.49E-08	7.75E-04	2.45E-07	7.12E-08
5137 492363.09, 3864377.25	6.92E-04	2.18E-07	6.35E-08	7.47E-04	2.36E-07	6.86E-08	1.18E-03	3.73E-07	1.09E-07
5138 492863.09, 3864377.25	5.25E-04	1.66E-07	4.82E-08	5.67E-04	1.79E-07	5.20E-08	9.00E-04	2.84E-07	8.26E-08
5139 493363.09, 3864377.25	6.90E-04	2.18E-07	6.33E-08	7.44E-04	2.35E-07	6.83E-08	1.18E-03	3.73E-07	1.08E-07
5140 493863.09, 3864377.25	7.75E-04	2.45E-07	7.12E-08	8.37E-04	2.64E-07	7.68E-08	1.33E-03	4.19E-07	1.22E-07
5141 494363.09, 3864377.25	7.85E-04	2.48E-07	7.20E-08	8.47E-04	2.67E-07	7.77E-08	1.34E-03	4.24E-07	1.23E-07
5142 494863.09, 3864377.25	7.51E-04	2.37E-07	6.89E-08	8.10E-04	2.56E-07	7.44E-08	1.29E-03	4.06E-07	1.18E-07
5143 495363.09, 3864377.25	7.17E-04	2.26E-07	6.58E-08	7.74E-04	2.44E-07	7.10E-08	1.23E-03	3.88E-07	1.13E-07
5144 495863.09, 3864377.25	6.94E-04	2.19E-07	6.37E-08	7.49E-04	2.36E-07	6.87E-08	1.19E-03	3.75E-07	1.09E-07
5145 496363.09, 3864377.25	6.83E-04	2.16E-07	6.27E-08	7.37E-04	2.33E-07	6.77E-08	1.17E-03	3.69E-07	1.07E-07
5146 496863.09, 3864377.25	6.79E-04	2.14E-07	6.23E-08	7.33E-04	2.31E-07	6.73E-08	1.16E-03	3.68E-07	1.07E-07
5147 497363.09, 3864377.25	6.76E-04	2.13E-07	6.21E-08	7.30E-04	2.30E-07	6.70E-08	1.16E-03	3.66E-07	1.07E-07
5148 497863.09, 3864377.25	6.86E-04	2.16E-07	6.29E-08	7.40E-04	2.34E-07	6.80E-08	1.18E-03	3.72E-07	1.08E-07
5149 498363.09, 3864377.25	6.89E-04	2.17E-07	6.32E-08	7.44E-04	2.35E-07	6.83E-08	1.18E-03	3.74E-07	1.09E-07
5150 471363.09, 3864877.25	3.39E-04	1.07E-07	3.11E-08	3.65E-04	1.15E-07	3.35E-08	5.77E-04	1.82E-07	5.30E-08
5151 471863.09, 3864877.25	3.47E-04	1.10E-07	3.19E-08	3.75E-04	1.18E-07	3.44E-08	5.91E-04	1.87E-07	5.43E-08
5152 472363.09, 3864877.25	3.55E-04	1.12E-07	3.26E-08	3.83E-04	1.21E-07	3.52E-08	6.05E-04	1.91E-07	5.55E-08
5153 472863.09, 3864877.25	3.64E-04	1.15E-07	3.34E-08	3.92E-04	1.24E-07	3.60E-08	6.19E-04	1.95E-07	5.68E-08
5154 473363.09, 3864877.25	3.73E-04	1.18E-07	3.42E-08	4.02E-04	1.27E-07	3.69E-08	6.33E-04	2.00E-07	5.81E-08
5155 473863.09, 3864877.25	3.82E-04	1.21E-07	3.51E-08	4.12E-04	1.30E-07	3.78E-08	6.49E-04	2.05E-07	5.96E-08
5156 474363.09, 3864877.25	3.93E-04	1.24E-07	3.60E-08	4.23E-04	1.34E-07	3.89E-08	6.67E-04	2.10E-07	6.12E-08
5157 474863.09, 3864877.25	4.04E-04	1.27E-07	3.71E-08	4.35E-04	1.37E-07	4.00E-08	6.85E-04	2.16E-07	6.29E-08
5158 475363.09, 3864877.25	4.16E-04	1.31E-07	3.82E-08	4.48E-04	1.41E-07	4.11E-08	7.05E-04	2.22E-07	6.47E-08
5159 475863.09, 3864877.25	4.29E-04	1.35E-07	3.94E-08	4.62E-04	1.46E-07	4.24E-08	7.26E-04	2.29E-07	6.67E-08
5160 476363.09, 3864877.25	4.44E-04	1.40E-07	4.08E-08	4.79E-04	1.51E-07	4.40E-08	7.52E-04	2.37E-07	6.91E-08
5161 476863.09, 3864877.25	4.63E-04	1.46E-07	4.25E-08	4.99E-04	1.57E-07	4.58E-08	7.84E-04	2.47E-07	7.19E-08
5162 477363.09, 3864877.25	4.81E-04	1.52E-07	4.42E-08	5.19E-04	1.64E-07	4.76E-08	8.15E-04	2.57E-07	7.48E-08
5163 477863.09, 3864877.25	5.01E-04	1.58E-07	4.60E-08	5.40E-04	1.71E-07	4.96E-08	8.49E-04	2.68E-07	7.79E-08
5164 478363.09, 3864877.25	5.20E-04	1.64E-07	4.77E-08	5.60E-04	1.77E-07	5.14E-08	8.80E-04	2.78E-07	8.08E-08
5165 478863.09, 3864877.25	5.36E-04	1.69E-07	4.92E-08	5.78E-04	1.82E-07	5.31E-08	9.08E-04	2.87E-07	8.34E-08
5166 479363.09, 3864877.25	5.53E-04	1.74E-07	5.07E-08	5.96E-04	1.88E-07	5.47E-08	9.35E-04	2.95E-07	8.58E-08
5167 479863.09, 3864877.25	5.69E-04	1.80E-07	5.23E-08	6.14E-04	1.94E-07	5.63E-08	9.64E-04	3.04E-07	8.85E-08
5168 480363.09, 3864877.25	5.90E-04	1.86E-07	5.41E-08	6.36E-04	2.01E-07	5.84E-08	9.98E-04	3.15E-07	9.16E-08
5169 480863.09, 3864877.25	6.06E-04	1.91E-07	5.56E-08	6.53E-04	2.06E-07	6.00E-08	1.03E-03	3.24E-07	9.41E-08
5170 481363.09, 3864877.25	6.22E-04	1.96E-07	5.71E-08	6.70E-04	2.11E-07	6.15E-08	1.05E-03	3.32E-07	9.65E-08
5171 481863.09, 3864877.25	6.35E-04	2.00E-07	5.83E-08	6.84E-04	2.16E-07	6.28E-08	1.07E-03	3.39E-07	9.86E-08
5172 482363.09, 3864877.25	6.47E-04	2.04E-07	5.94E-08	6.97E-04	2.20E-07	6.40E-08	1.09E-03	3.45E-07	1.00E-07
5173 482863.09, 3864877.25	6.55E-04	2.07E-07	6.01E-08	7.06E-04	2.23E-07	6.48E-08	1.11E-03	3.49E-07	1.02E-07
5174 483363.09, 3864877.25	6.57E-04	2.07E-07	6.03E-08	7.08E-04	2.23E-07	6.50E-08	1.11E-03	3.50E-07	1.02E-07
5175 483863.09, 3864877.25	6.52E-04	2.06E-07	5.99E-08	7.03E-04	2.22E-07	6.45E-08	1.10E-03	3.47E-07	1.01E-07
5176 484363.09, 3864877.25	6.47E-04	2.04E-07	5.94E-08	6.97E-04	2.20E-07	6.40E-08	1.09E-03	3.43E-07	9.99E-08
5177 484863.09, 3864877.25	6.40E-04	2.02E-07	5.88E-08	6.90E-04	2.18E-07	6.33E-08	1.08E-03	3.39E-07	9.87E-08
5178 485363.09, 3864877.25	6.37E-04	2.01E-07	5.85E-08	6.86E-04	2.16E-07	6.29E-08	1.07E-03	3.37E-07	9.81E-08
5179 485863.09, 3864877.25	6.34E-04	2.00E-07	5.82E-08	6.82E-04	2.15E-07	6.26E-08	1.06E-03	3.36E-07	9.76E-08
5180 486363.09, 3864877.25	6.30E-04	1.99E-07	5.79E-08	6.79E-04	2.14E-07	6.23E-08	1.06E-03	3.34E-07	9.71E-08
5181 486863.09, 3864877.25	6.25E-04	1.97E-07	5.74E-08	6.73E-04	2.12E-07	6.18E-08	1.05E-03	3.31E-07	9.62E-08

5182	487363.09, 3864877.25	6.21E-04	1.96E-07	5.70E-08	6.68E-04	2.11E-07	6.13E-08	1.04E-03	3.29E-07	9.56E-08
5183	487863.09, 3864877.25	6.18E-04	1.95E-07	5.67E-08	6.65E-04	2.10E-07	6.11E-08	1.04E-03	3.27E-07	9.52E-08
5184	488363.09, 3864877.25	6.18E-04	1.95E-07	5.67E-08	6.65E-04	2.10E-07	6.11E-08	1.04E-03	3.28E-07	9.53E-08
5185	488863.09, 3864877.25	6.21E-04	1.96E-07	5.70E-08	6.69E-04	2.11E-07	6.14E-08	1.05E-03	3.30E-07	9.61E-08
5186	489363.09, 3864877.25	6.23E-04	1.97E-07	5.72E-08	6.72E-04	2.12E-07	6.17E-08	1.05E-03	3.32E-07	9.67E-08
5187	489863.09, 3864877.25	6.24E-04	1.97E-07	5.73E-08	6.73E-04	2.12E-07	6.18E-08	1.06E-03	3.33E-07	9.70E-08
5188	490363.09, 3864877.25	6.28E-04	1.98E-07	5.76E-08	6.77E-04	2.14E-07	6.21E-08	1.06E-03	3.35E-07	9.76E-08
5189	490863.09, 3864877.25	6.47E-04	2.04E-07	5.94E-08	6.98E-04	2.20E-07	6.41E-08	1.10E-03	3.47E-07	1.01E-07
5190	491363.09, 3864877.25	6.62E-04	2.09E-07	6.08E-08	7.14E-04	2.25E-07	6.55E-08	1.12E-03	3.55E-07	1.03E-07
5191	491863.09, 3864877.25	6.59E-04	2.08E-07	6.05E-08	7.11E-04	2.24E-07	6.52E-08	1.12E-03	3.54E-07	1.03E-07
5192	492363.09, 3864877.25	2.70E-04	8.51E-08	2.48E-08	2.91E-04	9.18E-08	2.67E-08	4.58E-04	1.45E-07	4.20E-08
5193	492863.09, 3864877.25	3.62E-04	1.14E-07	3.33E-08	3.91E-04	1.23E-07	3.59E-08	6.18E-04	1.95E-07	5.67E-08
5194	493363.09, 3864877.25	3.47E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.91E-04	1.87E-07	5.43E-08
5195	493863.09, 3864877.25	6.36E-04	2.01E-07	5.84E-08	6.86E-04	2.16E-07	6.30E-08	1.09E-03	3.43E-07	9.98E-08
5196	494363.09, 3864877.25	7.04E-04	2.22E-07	6.46E-08	7.60E-04	2.40E-07	6.97E-08	1.20E-03	3.80E-07	1.11E-07
5197	494863.09, 3864877.25	7.10E-04	2.24E-07	6.52E-08	7.66E-04	2.42E-07	7.03E-08	1.22E-03	3.84E-07	1.12E-07
5198	495363.09, 3864877.25	6.82E-04	2.15E-07	6.26E-08	7.36E-04	2.32E-07	6.76E-08	1.17E-03	3.69E-07	1.07E-07
5199	495863.09, 3864877.25	6.50E-04	2.05E-07	5.97E-08	7.02E-04	2.22E-07	6.45E-08	1.11E-03	3.52E-07	1.02E-07
5200	496363.09, 3864877.25	6.29E-04	1.98E-07	5.77E-08	6.79E-04	2.14E-07	6.23E-08	1.08E-03	3.40E-07	9.89E-08
5201	496863.09, 3864877.25	6.18E-04	1.95E-07	5.67E-08	6.67E-04	2.10E-07	6.12E-08	1.06E-03	3.34E-07	9.72E-08
5202	497363.09, 3864877.25	6.13E-04	1.93E-07	5.62E-08	6.61E-04	2.09E-07	6.07E-08	1.05E-03	3.32E-07	9.64E-08
5203	497863.09, 3864877.25	6.12E-04	1.93E-07	5.62E-08	6.61E-04	2.08E-07	6.06E-08	1.05E-03	3.32E-07	9.64E-08
5204	498363.09, 3864877.25	6.11E-04	1.93E-07	5.61E-08	6.60E-04	2.08E-07	6.06E-08	1.05E-03	3.31E-07	9.64E-08
5205	471363.09, 3865377.25	3.21E-04	1.01E-07	2.95E-08	3.47E-04	1.09E-07	3.18E-08	5.47E-04	1.73E-07	5.02E-08
5206	471863.09, 3865377.25	3.28E-04	1.04E-07	3.01E-08	3.54E-04	1.12E-07	3.25E-08	5.58E-04	1.76E-07	5.12E-08
5207	472363.09, 3865377.25	3.35E-04	1.06E-07	3.08E-08	3.61E-04	1.14E-07	3.32E-08	5.69E-04	1.80E-07	5.22E-08
5208	472863.09, 3865377.25	3.43E-04	1.08E-07	3.15E-08	3.70E-04	1.17E-07	3.39E-08	5.82E-04	1.84E-07	5.34E-08
5209	473363.09, 3865377.25	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.94E-04	1.87E-07	5.45E-08
5210	473863.09, 3865377.25	3.58E-04	1.13E-07	3.29E-08	3.86E-04	1.22E-07	3.54E-08	6.08E-04	1.92E-07	5.58E-08
5211	474363.09, 3865377.25	3.68E-04	1.16E-07	3.38E-08	3.97E-04	1.25E-07	3.64E-08	6.23E-04	1.97E-07	5.72E-08
5212	474863.09, 3865377.25	3.79E-04	1.20E-07	3.48E-08	4.08E-04	1.29E-07	3.75E-08	6.41E-04	2.02E-07	5.89E-08
5213	475363.09, 3865377.25	3.90E-04	1.23E-07	3.58E-08	4.20E-04	1.33E-07	3.86E-08	6.59E-04	2.08E-07	6.05E-08
5214	475863.09, 3865377.25	4.04E-04	1.27E-07	3.71E-08	4.35E-04	1.37E-07	3.99E-08	6.83E-04	2.16E-07	6.27E-08
5215	476363.09, 3865377.25	4.22E-04	1.33E-07	3.88E-08	4.55E-04	1.44E-07	4.18E-08	7.15E-04	2.26E-07	6.57E-08
5216	476863.09, 3865377.25	4.29E-04	1.35E-07	3.94E-08	4.63E-04	1.46E-07	4.25E-08	7.28E-04	2.30E-07	6.69E-08
5217	477363.09, 3865377.25	4.58E-04	1.44E-07	4.20E-08	4.93E-04	1.56E-07	4.53E-08	7.76E-04	2.45E-07	7.12E-08
5218	477863.09, 3865377.25	4.72E-04	1.49E-07	4.33E-08	5.08E-04	1.60E-07	4.67E-08	7.99E-04	2.52E-07	7.34E-08
5219	478363.09, 3865377.25	4.88E-04	1.54E-07	4.48E-08	5.26E-04	1.66E-07	4.83E-08	8.26E-04	2.61E-07	7.58E-08
5220	478863.09, 3865377.25	5.00E-04	1.58E-07	4.59E-08	5.39E-04	1.70E-07	4.95E-08	8.46E-04	2.67E-07	7.77E-08
5221	479363.09, 3865377.25	5.14E-04	1.62E-07	4.72E-08	5.54E-04	1.75E-07	5.08E-08	8.69E-04	2.74E-07	7.98E-08
5222	479863.09, 3865377.25	5.30E-04	1.67E-07	4.87E-08	5.71E-04	1.80E-07	5.24E-08	8.97E-04	2.83E-07	8.23E-08
5223	480363.09, 3865377.25	5.45E-04	1.72E-07	5.00E-08	5.87E-04	1.85E-07	5.39E-08	9.21E-04	2.91E-07	8.46E-08
5224	480863.09, 3865377.25	5.58E-04	1.76E-07	5.13E-08	6.02E-04	1.90E-07	5.52E-08	9.44E-04	2.98E-07	8.67E-08
5225	481363.09, 3865377.25	5.71E-04	1.80E-07	5.24E-08	6.16E-04	1.94E-07	5.65E-08	9.66E-04	3.05E-07	8.87E-08
5226	481863.09, 3865377.25	5.81E-04	1.84E-07	5.34E-08	6.27E-04	1.98E-07	5.75E-08	9.83E-04	3.10E-07	9.02E-08
5227	482363.09, 3865377.25	5.90E-04	1.86E-07	5.41E-08	6.35E-04	2.01E-07	5.83E-08	9.96E-04	3.14E-07	9.15E-08
5228	482863.09, 3865377.25	5.95E-04	1.88E-07	5.46E-08	6.41E-04	2.02E-07	5.88E-08	1.00E-03	3.17E-07	9.21E-08
5229	483363.09, 3865377.25	5.96E-04	1.88E-07	5.47E-08	6.42E-04	2.03E-07	5.89E-08	1.00E-03	3.17E-07	9.22E-08
5230	483863.09, 3865377.25	5.91E-04	1.87E-07	5.43E-08	6.37E-04	2.01E-07	5.85E-08	9.95E-04	3.14E-07	9.13E-08
5231	484363.09, 3865377.25	5.86E-04	1.85E-07	5.38E-08	6.31E-04	1.99E-07	5.79E-08	9.85E-04	3.11E-07	9.04E-08
5232	484863.09, 3865377.25	5.81E-04	1.83E-07	5.33E-08	6.26E-04	1.97E-07	5.74E-08	9.75E-04	3.08E-07	8.95E-08
5233	485363.09, 3865377.25	5.77E-04	1.82E-07	5.30E-08	6.21E-04	1.96E-07	5.70E-08	9.67E-04	3.05E-07	8.88E-08
5234	485863.09, 3865377.25	5.74E-04	1.81E-07	5.27E-08	6.17E-04	1.95E-07	5.67E-08	9.62E-04	3.04E-07	8.83E-08
5235	486363.09, 3865377.25	5.71E-04	1.80E-07	5.24E-08	6.15E-04	1.94E-07	5.64E-08	9.57E-04	3.02E-07	8.79E-08
5236	486863.09, 3865377.25	5.67E-04	1.79E-07	5.20E-08	6.10E-04	1.93E-07	5.60E-08	9.50E-04	3.00E-07	8.72E-08
5237	487363.09, 3865377.25	5.64E-04	1.78E-07	5.18E-08	6.07E-04	1.92E-07	5.57E-08	9.45E-04	2.98E-07	8.68E-08
5238	487863.09, 3865377.25	5.62E-04	1.77E-07	5.16E-08	6.05E-04	1.91E-07	5.55E-08	9.42E-04	2.97E-07	8.65E-08
5239	488363.09, 3865377.25	5.62E-04	1.77E-07	5.16E-08	6.06E-04	1.91E-07	5.56E-08	9.45E-04	2.98E-07	8.67E-08
5240	488863.09, 3865377.25	5.65E-04	1.78E-07	5.19E-08	6.09E-04	1.92E-07	5.59E-08	9.51E-04	3.00E-07	8.73E-08
5241	489363.09, 3865377.25	5.67E-04	1.79E-07	5.21E-08	6.11E-04	1.93E-07	5.61E-08	9.58E-04	3.02E-07	8.79E-08
5242	489863.09, 3865377.25	5.72E-04	1.80E-07	5.25E-08	6.16E-04	1.94E-07	5.66E-08	9.67E-04	3.05E-07	8.88E-08

5243	490363.09, 3865377.25	5.84E-04	1.84E-07	5.36E-08	6.30E-04	1.99E-07	5.78E-08	9.91E-04	3.13E-07	9.10E-08
5244	490863.09, 3865377.25	5.81E-04	1.83E-07	5.34E-08	6.27E-04	1.98E-07	5.75E-08	9.86E-04	3.11E-07	9.05E-08
5245	491363.09, 3865377.25	5.82E-04	1.84E-07	5.34E-08	6.27E-04	1.98E-07	5.76E-08	9.89E-04	3.12E-07	9.08E-08
5246	491863.09, 3865377.25	5.90E-04	1.86E-07	5.41E-08	6.36E-04	2.01E-07	5.84E-08	1.00E-03	3.17E-07	9.22E-08
5247	492363.09, 3865377.25	5.32E-04	1.68E-07	4.88E-08	5.74E-04	1.81E-07	5.27E-08	9.09E-04	2.87E-07	8.34E-08
5248	492863.09, 3865377.25	4.21E-04	1.33E-07	3.87E-08	4.55E-04	1.43E-07	4.17E-08	7.20E-04	2.27E-07	6.61E-08
5249	493363.09, 3865377.25	3.19E-04	1.01E-07	2.93E-08	3.44E-04	1.09E-07	3.16E-08	5.45E-04	1.72E-07	5.00E-08
5250	493863.09, 3865377.25	4.69E-04	1.48E-07	4.30E-08	5.06E-04	1.60E-07	4.64E-08	8.02E-04	2.53E-07	7.37E-08
5251	494363.09, 3865377.25	5.85E-04	1.85E-07	5.37E-08	6.32E-04	1.99E-07	5.80E-08	1.00E-03	3.16E-07	9.18E-08
5252	494863.09, 3865377.25	6.38E-04	2.01E-07	5.85E-08	6.88E-04	2.17E-07	6.32E-08	1.09E-03	3.44E-07	1.00E-07
5253	495363.09, 3865377.25	6.46E-04	2.04E-07	5.93E-08	6.97E-04	2.20E-07	6.40E-08	1.11E-03	3.49E-07	1.02E-07
5254	495863.09, 3865377.25	6.23E-04	1.96E-07	5.72E-08	6.72E-04	2.12E-07	6.17E-08	1.07E-03	3.36E-07	9.79E-08
5255	496363.09, 3865377.25	5.92E-04	1.87E-07	5.43E-08	6.39E-04	2.02E-07	5.86E-08	1.01E-03	3.20E-07	9.30E-08
5256	496863.09, 3865377.25	5.65E-04	1.78E-07	5.18E-08	6.09E-04	1.92E-07	5.59E-08	9.66E-04	3.05E-07	8.86E-08
5257	497363.09, 3865377.25	5.62E-04	1.77E-07	5.16E-08	6.06E-04	1.91E-07	5.57E-08	9.63E-04	3.04E-07	8.84E-08
5258	497863.09, 3865377.25	5.57E-04	1.76E-07	5.11E-08	6.01E-04	1.90E-07	5.52E-08	9.55E-04	3.01E-07	8.76E-08
5259	498363.09, 3865377.25	5.57E-04	1.76E-07	5.12E-08	6.02E-04	1.90E-07	5.52E-08	9.56E-04	3.02E-07	8.77E-08
5260	471363.09, 3865877.25	3.04E-04	9.58E-08	2.79E-08	3.27E-04	1.03E-07	3.01E-08	5.16E-04	1.63E-07	4.74E-08
5261	471863.09, 3865877.25	3.09E-04	9.75E-08	2.84E-08	3.33E-04	1.05E-07	3.06E-08	5.24E-04	1.66E-07	4.81E-08
5262	472363.09, 3865877.25	3.16E-04	9.97E-08	2.90E-08	3.41E-04	1.07E-07	3.13E-08	5.36E-04	1.69E-07	4.92E-08
5263	472863.09, 3865877.25	3.21E-04	1.01E-07	2.95E-08	3.46E-04	1.09E-07	3.18E-08	5.45E-04	1.72E-07	5.00E-08
5264	473363.09, 3865877.25	3.28E-04	1.04E-07	3.01E-08	3.54E-04	1.12E-07	3.25E-08	5.56E-04	1.76E-07	5.11E-08
5265	473863.09, 3865877.25	3.37E-04	1.06E-07	3.10E-08	3.64E-04	1.15E-07	3.34E-08	5.71E-04	1.80E-07	5.24E-08
5266	474363.09, 3865877.25	3.47E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.87E-04	1.85E-07	5.39E-08
5267	474863.09, 3865877.25	3.58E-04	1.13E-07	3.29E-08	3.86E-04	1.22E-07	3.54E-08	6.06E-04	1.91E-07	5.56E-08
5268	475363.09, 3865877.25	3.70E-04	1.17E-07	3.40E-08	3.99E-04	1.26E-07	3.66E-08	6.25E-04	1.97E-07	5.74E-08
5269	475863.09, 3865877.25	3.84E-04	1.21E-07	3.52E-08	4.14E-04	1.31E-07	3.80E-08	6.49E-04	2.05E-07	5.96E-08
5270	476363.09, 3865877.25	4.01E-04	1.27E-07	3.68E-08	4.33E-04	1.37E-07	3.97E-08	6.80E-04	2.15E-07	6.25E-08
5271	476863.09, 3865877.25	4.08E-04	1.29E-07	3.74E-08	4.39E-04	1.39E-07	4.03E-08	6.92E-04	2.18E-07	6.35E-08
5272	477363.09, 3865877.25	4.35E-04	1.37E-07	3.99E-08	4.68E-04	1.48E-07	4.30E-08	7.36E-04	2.32E-07	6.76E-08
5273	477863.09, 3865877.25	4.46E-04	1.41E-07	4.09E-08	4.80E-04	1.52E-07	4.41E-08	7.55E-04	2.38E-07	6.93E-08
5274	478363.09, 3865877.25	4.58E-04	1.44E-07	4.20E-08	4.93E-04	1.56E-07	4.53E-08	7.74E-04	2.44E-07	7.11E-08
5275	478863.09, 3865877.25	4.68E-04	1.48E-07	4.30E-08	5.05E-04	1.59E-07	4.63E-08	7.92E-04	2.50E-07	7.27E-08
5276	479363.09, 3865877.25	4.80E-04	1.52E-07	4.41E-08	5.18E-04	1.63E-07	4.75E-08	8.12E-04	2.56E-07	7.46E-08
5277	479863.09, 3865877.25	4.93E-04	1.56E-07	4.53E-08	5.31E-04	1.68E-07	4.88E-08	8.34E-04	2.63E-07	7.65E-08
5278	480363.09, 3865877.25	5.06E-04	1.60E-07	4.64E-08	5.45E-04	1.72E-07	5.00E-08	8.56E-04	2.70E-07	7.85E-08
5279	480863.09, 3865877.25	5.18E-04	1.63E-07	4.75E-08	5.58E-04	1.76E-07	5.12E-08	8.76E-04	2.76E-07	8.04E-08
5280	481363.09, 3865877.25	5.27E-04	1.66E-07	4.84E-08	5.68E-04	1.79E-07	5.21E-08	8.90E-04	2.81E-07	8.17E-08
5281	481863.09, 3865877.25	5.34E-04	1.69E-07	4.90E-08	5.76E-04	1.82E-07	5.29E-08	9.03E-04	2.85E-07	8.29E-08
5282	482363.09, 3865877.25	5.40E-04	1.70E-07	4.96E-08	5.82E-04	1.84E-07	5.34E-08	9.12E-04	2.88E-07	8.37E-08
5283	482863.09, 3865877.25	5.44E-04	1.72E-07	4.99E-08	5.86E-04	1.85E-07	5.38E-08	9.17E-04	2.89E-07	8.42E-08
5284	483363.09, 3865877.25	5.44E-04	1.72E-07	4.99E-08	5.86E-04	1.85E-07	5.38E-08	9.16E-04	2.89E-07	8.41E-08
5285	483863.09, 3865877.25	5.41E-04	1.71E-07	4.96E-08	5.82E-04	1.84E-07	5.34E-08	9.09E-04	2.87E-07	8.34E-08
5286	484363.09, 3865877.25	5.37E-04	1.69E-07	4.93E-08	5.78E-04	1.82E-07	5.30E-08	9.00E-04	2.84E-07	8.27E-08
5287	484863.09, 3865877.25	5.30E-04	1.67E-07	4.86E-08	5.70E-04	1.80E-07	5.24E-08	8.88E-04	2.80E-07	8.16E-08
5288	485363.09, 3865877.25	5.25E-04	1.66E-07	4.82E-08	5.65E-04	1.78E-07	5.19E-08	8.80E-04	2.78E-07	8.08E-08
5289	485863.09, 3865877.25	5.22E-04	1.65E-07	4.79E-08	5.62E-04	1.77E-07	5.16E-08	8.75E-04	2.76E-07	8.03E-08
5290	486363.09, 3865877.25	5.19E-04	1.64E-07	4.77E-08	5.59E-04	1.76E-07	5.13E-08	8.69E-04	2.74E-07	7.98E-08
5291	486863.09, 3865877.25	5.16E-04	1.63E-07	4.74E-08	5.56E-04	1.75E-07	5.10E-08	8.64E-04	2.73E-07	7.94E-08
5292	487363.09, 3865877.25	5.14E-04	1.62E-07	4.72E-08	5.54E-04	1.75E-07	5.08E-08	8.62E-04	2.72E-07	7.91E-08
5293	487863.09, 3865877.25	5.15E-04	1.63E-07	4.73E-08	5.55E-04	1.75E-07	5.09E-08	8.64E-04	2.73E-07	7.93E-08
5294	488363.09, 3865877.25	5.15E-04	1.63E-07	4.73E-08	5.55E-04	1.75E-07	5.09E-08	8.65E-04	2.73E-07	7.94E-08
5295	488863.09, 3865877.25	5.18E-04	1.64E-07	4.76E-08	5.58E-04	1.76E-07	5.12E-08	8.72E-04	2.75E-07	8.00E-08
5296	489363.09, 3865877.25	5.21E-04	1.65E-07	4.78E-08	5.61E-04	1.77E-07	5.15E-08	8.79E-04	2.77E-07	8.07E-08
5297	489863.09, 3865877.25	5.23E-04	1.65E-07	4.80E-08	5.64E-04	1.78E-07	5.18E-08	8.84E-04	2.79E-07	8.11E-08
5298	490363.09, 3865877.25	5.30E-04	1.67E-07	4.87E-08	5.71E-04	1.80E-07	5.24E-08	8.97E-04	2.83E-07	8.23E-08
5299	490863.09, 3865877.25	5.34E-04	1.68E-07	4.90E-08	5.76E-04	1.82E-07	5.28E-08	9.06E-04	2.86E-07	8.31E-08
5300	491363.09, 3865877.25	5.24E-04	1.65E-07	4.81E-08	5.65E-04	1.78E-07	5.19E-08	8.91E-04	2.81E-07	8.18E-08
5301	491863.09, 3865877.25	5.24E-04	1.65E-07	4.81E-08	5.65E-04	1.78E-07	5.19E-08	8.93E-04	2.82E-07	8.19E-08
5302	492363.09, 3865877.25	5.13E-04	1.62E-07	4.71E-08	5.53E-04	1.75E-07	5.08E-08	8.75E-04	2.76E-07	8.04E-08
5303	492863.09, 3865877.25	4.15E-04	1.31E-07	3.81E-08	4.47E-04	1.41E-07	4.11E-08	7.08E-04	2.24E-07	6.50E-08

5304 493363.09, 3865877.25	4.13E-04	1.30E-07	3.79E-08	4.46E-04	1.41E-07	4.09E-08	7.06E-04	2.23E-07	6.48E-08
5305 493863.09, 3865877.25	4.56E-04	1.44E-07	4.19E-08	4.92E-04	1.55E-07	4.52E-08	7.80E-04	2.46E-07	7.16E-08
5306 494363.09, 3865877.25	4.99E-04	1.57E-07	4.58E-08	5.38E-04	1.70E-07	4.94E-08	8.51E-04	2.69E-07	7.82E-08
5307 494863.09, 3865877.25	5.54E-04	1.75E-07	5.09E-08	5.98E-04	1.89E-07	5.49E-08	9.46E-04	2.99E-07	8.69E-08
5308 495363.09, 3865877.25	5.84E-04	1.84E-07	5.36E-08	6.30E-04	1.99E-07	5.79E-08	9.99E-04	3.15E-07	9.17E-08
5309 495863.09, 3865877.25	5.91E-04	1.86E-07	5.42E-08	6.38E-04	2.01E-07	5.85E-08	1.01E-03	3.19E-07	9.29E-08
5310 496363.09, 3865877.25	5.72E-04	1.81E-07	5.25E-08	6.17E-04	1.95E-07	5.67E-08	9.79E-04	3.09E-07	8.99E-08
5311 496863.09, 3865877.25	5.35E-04	1.69E-07	4.91E-08	5.78E-04	1.82E-07	5.30E-08	9.16E-04	2.89E-07	8.41E-08
5312 497363.09, 3865877.25	5.13E-04	1.62E-07	4.71E-08	5.54E-04	1.75E-07	5.08E-08	8.77E-04	2.77E-07	8.05E-08
5313 497863.09, 3865877.25	5.06E-04	1.60E-07	4.65E-08	5.46E-04	1.72E-07	5.01E-08	8.65E-04	2.73E-07	7.94E-08
5314 498363.09, 3865877.25	5.00E-04	1.58E-07	4.59E-08	5.40E-04	1.70E-07	4.96E-08	8.55E-04	2.70E-07	7.85E-08
5315 471363.09, 3866377.25	2.86E-04	9.02E-08	2.62E-08	3.08E-04	9.73E-08	2.83E-08	4.85E-04	1.53E-07	4.45E-08
5316 471863.09, 3866377.25	2.91E-04	9.20E-08	2.67E-08	3.14E-04	9.91E-08	2.88E-08	4.94E-04	1.56E-07	4.53E-08
5317 472363.09, 3866377.25	2.97E-04	9.38E-08	2.73E-08	3.20E-04	1.01E-07	2.94E-08	5.03E-04	1.59E-07	4.62E-08
5318 472863.09, 3866377.25	3.03E-04	9.55E-08	2.78E-08	3.26E-04	1.03E-07	2.99E-08	5.12E-04	1.62E-07	4.70E-08
5319 473363.09, 3866377.25	3.11E-04	9.81E-08	2.85E-08	3.35E-04	1.06E-07	3.07E-08	5.26E-04	1.66E-07	4.83E-08
5320 473863.09, 3866377.25	3.19E-04	1.01E-07	2.93E-08	3.44E-04	1.09E-07	3.16E-08	5.40E-04	1.70E-07	4.96E-08
5321 474363.09, 3866377.25	3.29E-04	1.04E-07	3.02E-08	3.55E-04	1.12E-07	3.26E-08	5.57E-04	1.76E-07	5.11E-08
5322 474863.09, 3866377.25	3.41E-04	1.07E-07	3.13E-08	3.67E-04	1.16E-07	3.37E-08	5.76E-04	1.82E-07	5.29E-08
5323 475363.09, 3866377.25	3.52E-04	1.11E-07	3.23E-08	3.79E-04	1.20E-07	3.48E-08	5.95E-04	1.88E-07	5.47E-08
5324 475863.09, 3866377.25	3.65E-04	1.15E-07	3.35E-08	3.93E-04	1.24E-07	3.61E-08	6.17E-04	1.95E-07	5.66E-08
5325 476363.09, 3866377.25	3.83E-04	1.21E-07	3.52E-08	4.13E-04	1.30E-07	3.79E-08	6.49E-04	2.05E-07	5.96E-08
5326 476863.09, 3866377.25	3.84E-04	1.21E-07	3.53E-08	4.14E-04	1.31E-07	3.80E-08	6.52E-04	2.06E-07	5.99E-08
5327 477363.09, 3866377.25	4.09E-04	1.29E-07	3.76E-08	4.41E-04	1.39E-07	4.05E-08	6.94E-04	2.19E-07	6.37E-08
5328 477863.09, 3866377.25	4.22E-04	1.33E-07	3.88E-08	4.55E-04	1.44E-07	4.18E-08	7.14E-04	2.25E-07	6.56E-08
5329 478363.09, 3866377.25	4.30E-04	1.36E-07	3.94E-08	4.63E-04	1.46E-07	4.25E-08	7.27E-04	2.29E-07	6.67E-08
5330 478863.09, 3866377.25	4.40E-04	1.39E-07	4.04E-08	4.74E-04	1.50E-07	4.35E-08	7.43E-04	2.35E-07	6.82E-08
5331 479363.09, 3866377.25	4.51E-04	1.42E-07	4.14E-08	4.86E-04	1.53E-07	4.46E-08	7.62E-04	2.41E-07	7.00E-08
5332 479863.09, 3866377.25	4.64E-04	1.46E-07	4.26E-08	5.00E-04	1.58E-07	4.59E-08	7.85E-04	2.48E-07	7.20E-08
5333 480363.09, 3866377.25	4.76E-04	1.50E-07	4.37E-08	5.13E-04	1.62E-07	4.71E-08	8.04E-04	2.54E-07	7.38E-08
5334 480863.09, 3866377.25	4.83E-04	1.52E-07	4.44E-08	5.21E-04	1.64E-07	4.78E-08	8.17E-04	2.58E-07	7.50E-08
5335 481363.09, 3866377.25	4.90E-04	1.55E-07	4.50E-08	5.28E-04	1.67E-07	4.85E-08	8.28E-04	2.61E-07	7.60E-08
5336 481863.09, 3866377.25	4.94E-04	1.56E-07	4.53E-08	5.32E-04	1.68E-07	4.88E-08	8.34E-04	2.63E-07	7.65E-08
5337 482363.09, 3866377.25	4.97E-04	1.57E-07	4.56E-08	5.36E-04	1.69E-07	4.92E-08	8.39E-04	2.65E-07	7.70E-08
5338 482863.09, 3866377.25	5.00E-04	1.58E-07	4.59E-08	5.39E-04	1.70E-07	4.95E-08	8.43E-04	2.66E-07	7.74E-08
5339 483363.09, 3866377.25	5.00E-04	1.58E-07	4.59E-08	5.38E-04	1.70E-07	4.94E-08	8.41E-04	2.65E-07	7.72E-08
5340 483863.09, 3866377.25	4.97E-04	1.57E-07	4.56E-08	5.35E-04	1.69E-07	4.91E-08	8.34E-04	2.63E-07	7.66E-08
5341 484363.09, 3866377.25	4.91E-04	1.55E-07	4.51E-08	5.29E-04	1.67E-07	4.86E-08	8.24E-04	2.60E-07	7.56E-08
5342 484863.09, 3866377.25	4.87E-04	1.54E-07	4.47E-08	5.24E-04	1.66E-07	4.81E-08	8.16E-04	2.58E-07	7.49E-08
5343 485363.09, 3866377.25	4.81E-04	1.52E-07	4.42E-08	5.18E-04	1.64E-07	4.76E-08	8.06E-04	2.54E-07	7.40E-08
5344 485863.09, 3866377.25	4.77E-04	1.50E-07	4.38E-08	5.13E-04	1.62E-07	4.71E-08	7.98E-04	2.52E-07	7.33E-08
5345 486363.09, 3866377.25	4.74E-04	1.50E-07	4.35E-08	5.10E-04	1.61E-07	4.69E-08	7.94E-04	2.51E-07	7.29E-08
5346 486863.09, 3866377.25	4.74E-04	1.50E-07	4.35E-08	5.10E-04	1.61E-07	4.68E-08	7.93E-04	2.50E-07	7.28E-08
5347 487363.09, 3866377.25	4.81E-04	1.52E-07	4.42E-08	5.18E-04	1.63E-07	4.75E-08	8.06E-04	2.54E-07	7.40E-08
5348 487863.09, 3866377.25	4.85E-04	1.53E-07	4.45E-08	5.22E-04	1.65E-07	4.79E-08	8.13E-04	2.57E-07	7.46E-08
5349 488363.09, 3866377.25	4.85E-04	1.53E-07	4.45E-08	5.22E-04	1.65E-07	4.79E-08	8.14E-04	2.57E-07	7.47E-08
5350 488863.09, 3866377.25	4.87E-04	1.54E-07	4.47E-08	5.25E-04	1.66E-07	4.82E-08	8.21E-04	2.59E-07	7.53E-08
5351 489363.09, 3866377.25	4.86E-04	1.53E-07	4.46E-08	5.24E-04	1.65E-07	4.81E-08	8.21E-04	2.59E-07	7.53E-08
5352 489863.09, 3866377.25	4.75E-04	1.50E-07	4.36E-08	5.12E-04	1.62E-07	4.70E-08	8.04E-04	2.54E-07	7.38E-08
5353 490363.09, 3866377.25	4.85E-04	1.53E-07	4.45E-08	5.22E-04	1.65E-07	4.80E-08	8.19E-04	2.59E-07	7.52E-08
5354 490863.09, 3866377.25	4.86E-04	1.53E-07	4.46E-08	5.24E-04	1.65E-07	4.81E-08	8.22E-04	2.60E-07	7.55E-08
5355 491363.09, 3866377.25	4.93E-04	1.55E-07	4.52E-08	5.31E-04	1.68E-07	4.88E-08	8.36E-04	2.64E-07	7.67E-08
5356 491863.09, 3866377.25	4.67E-04	1.47E-07	4.29E-08	5.03E-04	1.59E-07	4.62E-08	7.95E-04	2.51E-07	7.29E-08
5357 492363.09, 3866377.25	4.70E-04	1.48E-07	4.32E-08	5.07E-04	1.60E-07	4.66E-08	8.02E-04	2.53E-07	7.36E-08
5358 492863.09, 3866377.25	4.36E-04	1.38E-07	4.00E-08	4.70E-04	1.48E-07	4.32E-08	7.45E-04	2.35E-07	6.84E-08
5359 493363.09, 3866377.25	4.58E-04	1.44E-07	4.20E-08	4.94E-04	1.56E-07	4.53E-08	7.81E-04	2.47E-07	7.17E-08
5360 493863.09, 3866377.25	4.79E-04	1.51E-07	4.40E-08	5.17E-04	1.63E-07	4.74E-08	8.18E-04	2.58E-07	7.51E-08
5361 494363.09, 3866377.25	4.88E-04	1.54E-07	4.48E-08	5.26E-04	1.66E-07	4.83E-08	8.31E-04	2.62E-07	7.63E-08
5362 494863.09, 3866377.25	4.78E-04	1.51E-07	4.39E-08	5.16E-04	1.63E-07	4.74E-08	8.16E-04	2.57E-07	7.49E-08
5363 495363.09, 3866377.25	4.96E-04	1.57E-07	4.56E-08	5.35E-04	1.69E-07	4.92E-08	8.47E-04	2.67E-07	7.78E-08
5364 495863.09, 3866377.25	5.23E-04	1.65E-07	4.80E-08	5.64E-04	1.78E-07	5.18E-08	8.94E-04	2.82E-07	8.21E-08

5365 496363.09, 3866377.25	5.28E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	9.04E-04	2.85E-07	8.30E-08
5366 496863.09, 3866377.25	5.08E-04	1.60E-07	4.66E-08	5.48E-04	1.73E-07	5.03E-08	8.70E-04	2.74E-07	7.98E-08
5367 497363.09, 3866377.25	4.84E-04	1.53E-07	4.44E-08	5.22E-04	1.65E-07	4.80E-08	8.29E-04	2.62E-07	7.61E-08
5368 497863.09, 3866377.25	4.62E-04	1.46E-07	4.24E-08	4.99E-04	1.57E-07	4.58E-08	7.91E-04	2.50E-07	7.26E-08
5369 498363.09, 3866377.25	4.17E-04	1.32E-07	3.83E-08	4.50E-04	1.42E-07	4.14E-08	7.14E-04	2.25E-07	6.55E-08
5370 474494.92, 3848334.16	2.85E-04	8.99E-08	2.62E-08	3.07E-04	9.70E-08	2.82E-08	4.85E-04	1.53E-07	4.45E-08
5371 475167.27, 3848920.79	3.25E-04	1.03E-07	2.99E-08	3.51E-04	1.11E-07	3.22E-08	5.54E-04	1.75E-07	5.08E-08
5372 475297.89, 3848997.96	3.31E-04	1.04E-07	3.04E-08	3.57E-04	1.13E-07	3.28E-08	5.63E-04	1.78E-07	5.17E-08
5373 475439.05, 3849062	3.27E-04	1.03E-07	3.00E-08	3.53E-04	1.11E-07	3.24E-08	5.57E-04	1.76E-07	5.11E-08
5374 475486.86, 3849061.09	3.24E-04	1.02E-07	2.98E-08	3.49E-04	1.10E-07	3.21E-08	5.52E-04	1.74E-07	5.06E-08
5375 475538.46, 3849075.56	3.26E-04	1.03E-07	2.99E-08	3.52E-04	1.11E-07	3.23E-08	5.55E-04	1.75E-07	5.09E-08
5376 475751.79, 3849137.15	3.41E-04	1.08E-07	3.13E-08	3.67E-04	1.16E-07	3.37E-08	5.79E-04	1.83E-07	5.32E-08
5377 476303.62, 3849223.38	3.47E-04	1.10E-07	3.19E-08	3.74E-04	1.18E-07	3.44E-08	5.89E-04	1.86E-07	5.41E-08
5378 476304.51, 3849238.92	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.94E-04	1.87E-07	5.45E-08
5379 476365.04, 3849247.98	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.93E-04	1.87E-07	5.45E-08
5380 476444.86, 3849267.13	3.48E-04	1.10E-07	3.19E-08	3.75E-04	1.18E-07	3.44E-08	5.90E-04	1.86E-07	5.42E-08
5381 476550.75, 3849300.66	3.52E-04	1.11E-07	3.23E-08	3.79E-04	1.20E-07	3.48E-08	5.97E-04	1.88E-07	5.48E-08
5382 476656.71, 3849346.88	3.55E-04	1.12E-07	3.26E-08	3.83E-04	1.21E-07	3.52E-08	6.03E-04	1.90E-07	5.53E-08
5383 476873.55, 3849454.53	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.63E-08	6.22E-04	1.96E-07	5.71E-08
5384 477700, 3849859.7	4.29E-04	1.35E-07	3.94E-08	4.62E-04	1.46E-07	4.24E-08	7.25E-04	2.29E-07	6.65E-08
5385 477743.16, 3849856.38	4.28E-04	1.35E-07	3.93E-08	4.62E-04	1.46E-07	4.24E-08	7.24E-04	2.29E-07	6.65E-08
5386 478477.35, 3850216.33	5.34E-04	1.69E-07	4.90E-08	5.76E-04	1.82E-07	5.28E-08	9.05E-04	2.86E-07	8.31E-08
5387 478485.8, 3850201.6	5.39E-04	1.70E-07	4.95E-08	5.81E-04	1.83E-07	5.34E-08	9.15E-04	2.89E-07	8.40E-08
5388 479113.21, 3850501.53	7.29E-04	2.30E-07	6.69E-08	7.86E-04	2.48E-07	7.22E-08	1.24E-03	3.91E-07	1.14E-07
5389 479108.11, 3850382.28	7.40E-04	2.34E-07	6.80E-08	7.98E-04	2.52E-07	7.33E-08	1.26E-03	3.98E-07	1.16E-07
5390 479689.85, 3850674.28	8.63E-04	2.72E-07	7.92E-08	9.31E-04	2.94E-07	8.55E-08	1.47E-03	4.65E-07	1.35E-07
5391 479952.42, 3850774.28	8.98E-04	2.83E-07	8.24E-08	9.69E-04	3.06E-07	8.89E-08	1.53E-03	4.84E-07	1.41E-07
5392 479911.32, 3850884.85	9.32E-04	2.94E-07	8.55E-08	1.01E-03	3.17E-07	9.23E-08	1.59E-03	5.02E-07	1.46E-07
5393 480500.92, 3851178.12	1.04E-03	3.27E-07	9.51E-08	1.12E-03	3.53E-07	1.03E-07	1.76E-03	5.56E-07	1.62E-07
5394 480738.01, 3851289.27	1.06E-03	3.35E-07	9.76E-08	1.15E-03	3.62E-07	1.05E-07	1.80E-03	5.69E-07	1.65E-07
5395 481055.42, 3851443.58	1.10E-03	3.47E-07	1.01E-07	1.18E-03	3.74E-07	1.09E-07	1.86E-03	5.86E-07	1.71E-07
5396 481110.22, 3851443.15	1.09E-03	3.43E-07	9.99E-08	1.17E-03	3.70E-07	1.08E-07	1.84E-03	5.80E-07	1.69E-07
5397 481111.1, 3851417.45	1.07E-03	3.38E-07	9.83E-08	1.15E-03	3.64E-07	1.06E-07	1.81E-03	5.72E-07	1.66E-07
5398 482248.44, 3852605.09	1.85E-03	5.85E-07	1.70E-07	1.99E-03	6.29E-07	1.83E-07	3.11E-03	9.81E-07	2.85E-07
5399 482273.34, 3852632.31	1.88E-03	5.93E-07	1.73E-07	2.02E-03	6.39E-07	1.86E-07	3.15E-03	9.96E-07	2.90E-07
5400 482665.46, 3853038.72	2.51E-03	7.91E-07	2.30E-07	2.70E-03	8.51E-07	2.48E-07	4.18E-03	1.32E-06	3.84E-07
5401 483077.95, 3853844.31	1.72E-02	5.44E-06	1.58E-06	1.86E-02	5.87E-06	1.71E-06	2.93E-02	9.26E-06	2.69E-06
5402 483121.38, 3853909.38	1.88E-02	5.94E-06	1.73E-06	2.04E-02	6.44E-06	1.87E-06	3.32E-02	1.05E-05	3.05E-06
5403 483492.64, 3853911.49	1.11E-02	3.50E-06	1.02E-06	1.20E-02	3.79E-06	1.10E-06	1.95E-02	6.17E-06	1.79E-06
5404 483498.29, 3854204.73	2.03E-02	6.41E-06	1.86E-06	2.21E-02	6.99E-06	2.03E-06	3.76E-02	1.19E-05	3.45E-06
5405 484132.44, 3854662.55	1.96E-02	6.20E-06	1.80E-06	2.12E-02	6.69E-06	1.94E-06	3.36E-02	1.06E-05	3.09E-06
5406 484627.62, 3854876.13	2.32E-02	7.33E-06	2.13E-06	2.50E-02	7.88E-06	2.29E-06	3.89E-02	1.23E-05	3.57E-06
5407 484756.14, 3854949.04	2.49E-02	7.85E-06	2.28E-06	2.68E-02	8.45E-06	2.46E-06	4.17E-02	1.31E-05	3.82E-06
5408 486697.51, 3856599.17	3.94E-02	1.24E-05	3.62E-06	4.26E-02	1.34E-05	3.91E-06	6.82E-02	2.15E-05	6.26E-06
5409 487105.31, 3856962.27	4.64E-02	1.46E-05	4.26E-06	5.01E-02	1.58E-05	4.60E-06	8.03E-02	2.54E-05	7.37E-06
5410 487157.57, 3856901.7	4.22E-02	1.33E-05	3.88E-06	4.56E-02	1.44E-05	4.19E-06	7.31E-02	2.31E-05	6.71E-06
5411 487173.5, 3856853.74	4.00E-02	1.26E-05	3.67E-06	4.32E-02	1.36E-05	3.97E-06	6.92E-02	2.18E-05	6.35E-06
5412 487564.41, 3856860.83	3.29E-02	1.04E-05	3.02E-06	3.56E-02	1.12E-05	3.27E-06	5.69E-02	1.80E-05	5.23E-06
5413 487563.31, 3856931.58	3.47E-02	1.10E-05	3.19E-06	3.75E-02	1.18E-05	3.44E-06	6.01E-02	1.90E-05	5.52E-06
5414 487782.7, 3856926.85	3.12E-02	9.86E-06	2.87E-06	3.37E-02	1.07E-05	3.10E-06	5.40E-02	1.70E-05	4.96E-06
5415 487782.39, 3856757.07	2.80E-02	8.84E-06	2.57E-06	3.03E-02	9.55E-06	2.78E-06	4.84E-02	1.53E-05	4.44E-06
5416 487917.26, 3856752.41	2.66E-02	8.40E-06	2.44E-06	2.88E-02	9.07E-06	2.64E-06	4.60E-02	1.45E-05	4.22E-06
5417 487919.57, 3856953.35	2.99E-02	9.44E-06	2.75E-06	3.23E-02	1.02E-05	2.97E-06	5.18E-02	1.63E-05	4.75E-06
5418 487932.76, 3857000.32	3.05E-02	9.63E-06	2.80E-06	3.30E-02	1.04E-05	3.03E-06	5.28E-02	1.67E-05	4.85E-06
5419 487960.5, 3857044.75	3.09E-02	9.76E-06	2.84E-06	3.34E-02	1.05E-05	3.07E-06	5.35E-02	1.69E-05	4.91E-06
5420 488016.54, 3857089.54	3.09E-02	9.75E-06	2.83E-06	3.34E-02	1.05E-05	3.06E-06	5.35E-02	1.69E-05	4.91E-06
5421 488114.39, 3857165.47	3.09E-02	9.75E-06	2.84E-06	3.34E-02	1.05E-05	3.07E-06	5.36E-02	1.69E-05	4.92E-06
5422 488171.49, 3857234.24	3.11E-02	9.83E-06	2.86E-06	3.37E-02	1.06E-05	3.09E-06	5.41E-02	1.71E-05	4.97E-06
5423 488193.16, 3857297.8	3.18E-02	1.00E-05	2.92E-06	3.44E-02	1.09E-05	3.16E-06	5.53E-02	1.75E-05	5.08E-06
5424 488189.27, 3857649.94	3.78E-02	1.19E-05	3.47E-06	4.09E-02	1.29E-05	3.75E-06	6.59E-02	2.08E-05	6.05E-06
5425 488127.43, 3857732.32	4.13E-02	1.30E-05	3.79E-06	4.47E-02	1.41E-05	4.11E-06	7.23E-02	2.28E-05	6.64E-06

5426	488149.93, 3857752.94	4.10E-02	1.30E-05	3.77E-06	4.44E-02	1.40E-05	4.08E-06	7.18E-02	2.27E-05	6.59E-06
5427	488144.76, 3857758.71	4.13E-02	1.31E-05	3.80E-06	4.48E-02	1.41E-05	4.11E-06	7.24E-02	2.28E-05	6.64E-06
5428	488335.58, 3857932.55	3.79E-02	1.20E-05	3.48E-06	4.11E-02	1.30E-05	3.77E-06	6.63E-02	2.09E-05	6.09E-06
5429	488372.29, 3857943.79	3.69E-02	1.17E-05	3.39E-06	4.00E-02	1.26E-05	3.67E-06	6.46E-02	2.04E-05	5.93E-06
5430	488828.64, 3857936.4	2.69E-02	8.50E-06	2.47E-06	2.91E-02	9.19E-06	2.67E-06	4.69E-02	1.48E-05	4.30E-06
5431	488829.08, 3857959.58	2.70E-02	8.51E-06	2.48E-06	2.92E-02	9.21E-06	2.68E-06	4.69E-02	1.48E-05	4.31E-06
5432	488351.61, 3857964.55	3.78E-02	1.19E-05	3.47E-06	4.09E-02	1.29E-05	3.76E-06	6.62E-02	2.09E-05	6.08E-06
5433	488316.87, 3857947.65	3.87E-02	1.22E-05	3.56E-06	4.19E-02	1.32E-05	3.85E-06	6.78E-02	2.14E-05	6.23E-06
5434	488129.1, 3857775.77	4.23E-02	1.33E-05	3.88E-06	4.58E-02	1.44E-05	4.20E-06	7.41E-02	2.34E-05	6.80E-06
5435	488062.53, 3857846.13	4.67E-02	1.47E-05	4.29E-06	5.06E-02	1.60E-05	4.64E-06	8.22E-02	2.59E-05	7.54E-06
5436	488330.41, 3858091.34	4.07E-02	1.28E-05	3.74E-06	4.41E-02	1.39E-05	4.05E-06	7.15E-02	2.26E-05	6.56E-06
5437	488470.87, 3858174.45	3.62E-02	1.14E-05	3.32E-06	3.91E-02	1.24E-05	3.59E-06	6.32E-02	2.00E-05	5.80E-06
5438	488568.9, 3858262.31	3.20E-02	1.01E-05	2.94E-06	3.46E-02	1.09E-05	3.18E-06	5.56E-02	1.75E-05	5.10E-06
5439	488964.27, 3858025.71	2.48E-02	7.83E-06	2.28E-06	2.68E-02	8.47E-06	2.46E-06	4.32E-02	1.36E-05	3.96E-06
5440	489147.25, 3857956.64	2.26E-02	7.12E-06	2.07E-06	2.44E-02	7.70E-06	2.24E-06	3.93E-02	1.24E-05	3.61E-06
5441	489343.52, 3857932.45	2.05E-02	6.47E-06	1.88E-06	2.22E-02	7.00E-06	2.04E-06	3.57E-02	1.13E-05	3.28E-06
5442	489866.19, 3857923.19	1.62E-02	5.12E-06	1.49E-06	1.75E-02	5.54E-06	1.61E-06	2.82E-02	8.89E-06	2.59E-06
5443	489955.65, 3857902.27	1.57E-02	4.95E-06	1.44E-06	1.70E-02	5.35E-06	1.56E-06	2.72E-02	8.60E-06	2.50E-06
5444	490079.44, 3857847.9	1.51E-02	4.76E-06	1.39E-06	1.63E-02	5.15E-06	1.50E-06	2.62E-02	8.27E-06	2.41E-06
5445	490108.49, 3857934.13	1.47E-02	4.64E-06	1.35E-06	1.59E-02	5.01E-06	1.46E-06	2.55E-02	8.04E-06	2.34E-06
5446	489884.48, 3858014.17	1.58E-02	4.98E-06	1.45E-06	1.71E-02	5.39E-06	1.57E-06	2.74E-02	8.65E-06	2.51E-06
5447	489326.56, 3858025.86	2.04E-02	6.43E-06	1.87E-06	2.20E-02	6.95E-06	2.02E-06	3.54E-02	1.12E-05	3.25E-06
5448	489130.38, 3858056.71	2.25E-02	7.10E-06	2.07E-06	2.43E-02	7.68E-06	2.23E-06	3.92E-02	1.24E-05	3.60E-06
5449	488936.49, 3858143.93	2.48E-02	7.82E-06	2.27E-06	2.68E-02	8.45E-06	2.46E-06	4.30E-02	1.36E-05	3.95E-06
5450	488638.08, 3858327.45	2.88E-02	9.08E-06	2.64E-06	3.11E-02	9.80E-06	2.85E-06	4.96E-02	1.57E-05	4.56E-06
5451	488663.79, 3858349.57	2.76E-02	8.70E-06	2.53E-06	2.98E-02	9.40E-06	2.73E-06	4.74E-02	1.50E-05	4.36E-06
5452	488694.56, 3858349.5	2.68E-02	8.46E-06	2.46E-06	2.90E-02	9.14E-06	2.66E-06	4.61E-02	1.46E-05	4.23E-06
5453	488694.35, 3858336.75	2.71E-02	8.56E-06	2.49E-06	2.93E-02	9.24E-06	2.69E-06	4.67E-02	1.47E-05	4.29E-06
5454	488712.81, 3858336.38	2.67E-02	8.42E-06	2.45E-06	2.88E-02	9.09E-06	2.65E-06	4.60E-02	1.45E-05	4.22E-06
5455	488713.23, 3858367.46	2.59E-02	8.19E-06	2.38E-06	2.80E-02	8.84E-06	2.57E-06	4.45E-02	1.40E-05	4.09E-06
5456	488704.63, 3858384.05	2.57E-02	8.11E-06	2.36E-06	2.77E-02	8.76E-06	2.55E-06	4.40E-02	1.39E-05	4.04E-06
5457	488604.15, 3858488.29	2.48E-02	7.83E-06	2.28E-06	2.67E-02	8.42E-06	2.45E-06	4.10E-02	1.29E-05	3.76E-06
5458	488605.66, 3858550.47	2.31E-02	7.30E-06	2.12E-06	2.47E-02	7.81E-06	2.27E-06	3.68E-02	1.16E-05	3.38E-06
5459	488692.68, 3858548.71	2.16E-02	6.81E-06	1.98E-06	2.31E-02	7.30E-06	2.12E-06	3.48E-02	1.10E-05	3.19E-06
5460	488759.93, 3858461.81	2.26E-02	7.14E-06	2.08E-06	2.43E-02	7.68E-06	2.23E-06	3.79E-02	1.20E-05	3.48E-06
5461	488816.57, 3858541.79	2.00E-02	6.30E-06	1.83E-06	2.14E-02	6.76E-06	1.97E-06	3.27E-02	1.03E-05	3.00E-06
5462	488944.63, 3858656.77	1.69E-02	5.33E-06	1.55E-06	1.80E-02	5.69E-06	1.66E-06	2.66E-02	8.40E-06	2.44E-06
5463	489134.91, 3858830.7	1.33E-02	4.19E-06	1.22E-06	1.41E-02	4.46E-06	1.30E-06	2.03E-02	6.42E-06	1.87E-06
5464	489193.99, 3858886.05	1.17E-02	3.69E-06	1.07E-06	1.25E-02	3.94E-06	1.14E-06	1.82E-02	5.74E-06	1.67E-06
5465	489295.2, 3858954.34	9.89E-03	3.12E-06	9.08E-07	1.06E-02	3.34E-06	9.72E-07	1.58E-02	4.99E-06	1.45E-06
5466	489295.64, 3858992.74	9.25E-03	2.92E-06	8.49E-07	9.91E-03	3.13E-06	9.10E-07	1.49E-02	4.69E-06	1.36E-06
5467	489183.74, 3858911.72	1.12E-02	3.55E-06	1.03E-06	1.20E-02	3.78E-06	1.10E-06	1.75E-02	5.52E-06	1.61E-06
5468	488873.37, 3858625.59	1.80E-02	5.67E-06	1.65E-06	1.92E-02	6.07E-06	1.76E-06	2.85E-02	8.99E-06	2.62E-06
5469	488842.84, 3858658.69	1.80E-02	5.69E-06	1.66E-06	1.92E-02	6.07E-06	1.77E-06	2.79E-02	8.80E-06	2.56E-06
5470	488856.39, 3858670.93	1.78E-02	5.61E-06	1.63E-06	1.90E-02	5.98E-06	1.74E-06	2.74E-02	8.65E-06	2.51E-06
5471	488805.7, 3858724.5	1.88E-02	5.92E-06	1.72E-06	1.99E-02	6.28E-06	1.83E-06	2.74E-02	8.64E-06	2.51E-06
5472	488805.87, 3858804.16	2.16E-02	6.83E-06	1.99E-06	2.27E-02	7.17E-06	2.08E-06	2.88E-02	9.09E-06	2.64E-06
5473	488995.78, 3858936.96	1.21E-02	3.82E-06	1.11E-06	1.29E-02	4.06E-06	1.18E-06	1.80E-02	5.69E-06	1.66E-06
5474	489130.76, 3859017.38	9.09E-03	2.87E-06	8.34E-07	9.72E-03	3.07E-06	8.93E-07	1.44E-02	4.56E-06	1.33E-06
5475	489130.92, 3859052.24	8.41E-03	2.65E-06	7.72E-07	9.01E-03	2.84E-06	8.27E-07	1.35E-02	4.27E-06	1.24E-06
5476	489200.33, 3859090.6	7.80E-03	2.46E-06	7.16E-07	8.36E-03	2.64E-06	7.68E-07	1.27E-02	4.00E-06	1.16E-06
5477	489296.07, 3859143.7	7.14E-03	2.25E-06	6.55E-07	7.66E-03	2.42E-06	7.04E-07	1.17E-02	3.70E-06	1.08E-06
5478	489296.43, 3858954.74	9.88E-03	3.12E-06	9.07E-07	1.06E-02	3.34E-06	9.71E-07	1.58E-02	4.98E-06	1.45E-06
5479	489410.33, 3859033.19	8.48E-03	2.68E-06	7.78E-07	9.09E-03	2.87E-06	8.35E-07	1.38E-02	4.36E-06	1.27E-06
5480	489371.37, 3859089.8	7.79E-03	2.46E-06	7.15E-07	8.36E-03	2.64E-06	7.67E-07	1.27E-02	4.02E-06	1.17E-06
5481	489390.52, 3859102.82	7.62E-03	2.41E-06	7.00E-07	8.19E-03	2.58E-06	7.52E-07	1.25E-02	3.95E-06	1.15E-06
5482	489382.3, 3859114.53	7.49E-03	2.36E-06	6.88E-07	8.04E-03	2.54E-06	7.38E-07	1.23E-02	3.88E-06	1.13E-06
5483	489363.04, 3859102.45	7.64E-03	2.41E-06	7.01E-07	8.20E-03	2.59E-06	7.53E-07	1.25E-02	3.95E-06	1.15E-06
5484	489337.52, 3859140.71	7.18E-03	2.27E-06	6.60E-07	7.72E-03	2.44E-06	7.08E-07	1.18E-02	3.73E-06	1.08E-06
5485	489375.14, 3859164.55	6.93E-03	2.19E-06	6.37E-07	7.45E-03	2.35E-06	6.84E-07	1.14E-02	3.61E-06	1.05E-06
5486	489409.3, 3859114.5	7.49E-03	2.36E-06	6.87E-07	8.04E-03	2.54E-06	7.38E-07	1.23E-02	3.88E-06	1.13E-06

5487	489434.87, 3859131.81	7.29E-03	2.30E-06	6.69E-07	7.83E-03	2.47E-06	7.19E-07	1.20E-02	3.79E-06	1.10E-06
5488	489471.87, 3859075.75	7.90E-03	2.49E-06	7.25E-07	8.48E-03	2.68E-06	7.79E-07	1.30E-02	4.09E-06	1.19E-06
5489	489602.62, 3859164.69	6.94E-03	2.19E-06	6.37E-07	7.47E-03	2.36E-06	6.85E-07	1.15E-02	3.64E-06	1.06E-06
5490	489558.29, 3859232.45	6.36E-03	2.01E-06	5.83E-07	6.84E-03	2.16E-06	6.28E-07	1.06E-02	3.34E-06	9.71E-07
5491	489620.11, 3859273.56	6.04E-03	1.91E-06	5.55E-07	6.50E-03	2.05E-06	5.97E-07	1.01E-02	3.18E-06	9.25E-07
5492	489666.06, 3859206.42	6.58E-03	2.08E-06	6.04E-07	7.07E-03	2.23E-06	6.49E-07	1.10E-02	3.46E-06	1.01E-06
5493	489787.9, 3859285.65	5.98E-03	1.89E-06	5.49E-07	6.44E-03	2.03E-06	5.91E-07	1.00E-02	3.16E-06	9.20E-07
5494	489752.17, 3859343.13	5.59E-03	1.76E-06	5.13E-07	6.02E-03	1.90E-06	5.53E-07	9.37E-03	2.96E-06	8.60E-07
5495	489814.94, 3859385.33	5.35E-03	1.69E-06	4.91E-07	5.76E-03	1.82E-06	5.29E-07	8.98E-03	2.83E-06	8.24E-07
5496	489853.42, 3859330.74	5.69E-03	1.80E-06	5.23E-07	6.13E-03	1.93E-06	5.63E-07	9.56E-03	3.02E-06	8.77E-07
5497	489969.5, 3859401.91	5.29E-03	1.67E-06	4.86E-07	5.70E-03	1.80E-06	5.23E-07	8.90E-03	2.81E-06	8.17E-07
5498	490166.91, 3859486.96	4.88E-03	1.54E-06	4.48E-07	5.25E-03	1.66E-06	4.82E-07	8.23E-03	2.60E-06	7.56E-07
5499	490128.86, 3859571.46	4.47E-03	1.41E-06	4.11E-07	4.82E-03	1.52E-06	4.42E-07	7.55E-03	2.38E-06	6.93E-07
5500	490186.65, 3859593.65	4.39E-03	1.39E-06	4.03E-07	4.74E-03	1.49E-06	4.35E-07	7.43E-03	2.34E-06	6.82E-07
5501	490223.74, 3859517.48	4.74E-03	1.50E-06	4.36E-07	5.11E-03	1.61E-06	4.69E-07	8.02E-03	2.53E-06	7.36E-07
5502	490846.34, 3859817.22	3.79E-03	1.20E-06	3.48E-07	4.08E-03	1.29E-06	3.75E-07	6.44E-03	2.03E-06	5.91E-07
5503	490925.65, 3859844.59	3.72E-03	1.17E-06	3.42E-07	4.01E-03	1.27E-06	3.69E-07	6.34E-03	2.00E-06	5.82E-07
5504	491159.29, 3859896.28	3.59E-03	1.13E-06	3.30E-07	3.87E-03	1.22E-06	3.56E-07	6.12E-03	1.93E-06	5.62E-07
5505	491370.69, 3859960.89	3.42E-03	1.08E-06	3.14E-07	3.69E-03	1.16E-06	3.39E-07	5.83E-03	1.84E-06	5.36E-07
5506	491330.28, 3860063.17	3.16E-03	9.98E-07	2.90E-07	3.41E-03	1.08E-06	3.13E-07	5.39E-03	1.70E-06	4.95E-07
5507	491636.45, 3860180.75	2.96E-03	9.34E-07	2.72E-07	3.19E-03	1.01E-06	2.93E-07	5.05E-03	1.59E-06	4.64E-07
5508	491617.94, 3860203.93	2.91E-03	9.18E-07	2.67E-07	3.14E-03	9.91E-07	2.88E-07	4.96E-03	1.57E-06	4.56E-07
5509	491805.68, 3860271.59	2.80E-03	8.85E-07	2.57E-07	3.03E-03	9.55E-07	2.78E-07	4.79E-03	1.51E-06	4.39E-07
5510	491654.23, 3860414.02	2.53E-03	7.99E-07	2.32E-07	2.73E-03	8.62E-07	2.51E-07	4.32E-03	1.36E-06	3.96E-07
5511	491592.62, 3860510.76	2.34E-03	7.40E-07	2.15E-07	2.53E-03	7.98E-07	2.32E-07	4.00E-03	1.26E-06	3.67E-07
5512	491475.41, 3860368.93	2.55E-03	8.03E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.34E-03	1.37E-06	3.98E-07
5513	491445.61, 3860337.28	2.59E-03	8.19E-07	2.38E-07	2.80E-03	8.83E-07	2.57E-07	4.42E-03	1.40E-06	4.06E-07
5514	491399.05, 3860300.37	2.66E-03	8.39E-07	2.44E-07	2.87E-03	9.05E-07	2.63E-07	4.53E-03	1.43E-06	4.16E-07
5515	491228.84, 3860235.98	2.74E-03	8.66E-07	2.52E-07	2.96E-03	9.34E-07	2.72E-07	4.67E-03	1.47E-06	4.29E-07
5516	491228.47, 3860174.57	2.88E-03	9.09E-07	2.64E-07	3.10E-03	9.80E-07	2.85E-07	4.90E-03	1.55E-06	4.50E-07
5517	491145.77, 3860112.55	3.01E-03	9.50E-07	2.76E-07	3.25E-03	1.02E-06	2.98E-07	5.12E-03	1.62E-06	4.70E-07
5518	490844.41, 3859966.22	3.34E-03	1.05E-06	3.06E-07	3.60E-03	1.14E-06	3.30E-07	5.68E-03	1.79E-06	5.21E-07
5519	490845.55, 3859928.15	3.45E-03	1.09E-06	3.16E-07	3.72E-03	1.17E-06	3.41E-07	5.86E-03	1.85E-06	5.38E-07
5520	490046.91, 3859625.6	4.21E-03	1.33E-06	3.87E-07	4.54E-03	1.43E-06	4.17E-07	7.12E-03	2.25E-06	6.54E-07
5521	489970.48, 3859589.4	4.34E-03	1.37E-06	3.99E-07	4.68E-03	1.48E-06	4.30E-07	7.34E-03	2.32E-06	6.74E-07
5522	489865.89, 3859529.06	4.59E-03	1.45E-06	4.21E-07	4.94E-03	1.56E-06	4.54E-07	7.74E-03	2.44E-06	7.11E-07
5523	489826.89, 3859531.74	4.56E-03	1.44E-06	4.19E-07	4.92E-03	1.55E-06	4.51E-07	7.70E-03	2.43E-06	7.07E-07
5524	489410.47, 3859303.06	5.72E-03	1.81E-06	5.26E-07	6.16E-03	1.94E-06	5.66E-07	9.57E-03	3.02E-06	8.78E-07
5525	489407.15, 3859286.09	5.85E-03	1.85E-06	5.37E-07	6.29E-03	1.99E-06	5.78E-07	9.76E-03	3.08E-06	8.96E-07
5526	488806.07, 3858963.62	1.07E-02	3.37E-06	9.81E-07	1.14E-02	3.59E-06	1.04E-06	1.63E-02	5.14E-06	1.50E-06
5527	488817.64, 3859546.3	4.72E-03	1.49E-06	4.33E-07	5.08E-03	1.60E-06	4.66E-07	7.94E-03	2.50E-06	7.28E-07
5528	489187.25, 3859549.52	4.64E-03	1.46E-06	4.26E-07	5.00E-03	1.58E-06	4.59E-07	7.82E-03	2.47E-06	7.18E-07
5529	489187.66, 3859523.74	4.73E-03	1.49E-06	4.34E-07	5.10E-03	1.61E-06	4.68E-07	7.97E-03	2.52E-06	7.32E-07
5530	489232.59, 3859522.85	4.72E-03	1.49E-06	4.33E-07	5.08E-03	1.60E-06	4.67E-07	7.95E-03	2.51E-06	7.30E-07
5531	489224.98, 3859759.91	3.99E-03	1.26E-06	3.66E-07	4.30E-03	1.36E-06	3.94E-07	6.75E-03	2.13E-06	6.19E-07
5532	488401.39, 3859763.34	3.82E-03	1.21E-06	3.51E-07	4.11E-03	1.30E-06	3.77E-07	6.42E-03	2.03E-06	5.89E-07
5533	488405.51, 3859966.16	3.31E-03	1.04E-06	3.04E-07	3.56E-03	1.12E-06	3.27E-07	5.57E-03	1.76E-06	5.11E-07
5534	489202.85, 3859956.57	3.50E-03	1.11E-06	3.22E-07	3.78E-03	1.19E-06	3.47E-07	5.94E-03	1.87E-06	5.45E-07
5535	489191.9, 3860676.74	2.27E-03	7.17E-07	2.08E-07	2.45E-03	7.72E-07	2.25E-07	3.85E-03	1.21E-06	3.53E-07
5536	488392.82, 3860687.88	2.20E-03	6.94E-07	2.02E-07	2.37E-03	7.48E-07	2.17E-07	3.71E-03	1.17E-06	3.41E-07
5537	488392.82, 3860760.27	2.13E-03	6.74E-07	1.96E-07	2.30E-03	7.26E-07	2.11E-07	3.61E-03	1.14E-06	3.31E-07
5538	487549.05, 3860777.45	2.04E-03	6.43E-07	1.87E-07	2.20E-03	6.93E-07	2.02E-07	3.43E-03	1.08E-06	3.15E-07
5539	487554.62, 3859571.83	4.17E-03	1.32E-06	3.83E-07	4.49E-03	1.42E-06	4.12E-07	6.99E-03	2.21E-06	6.42E-07
5540	485949.46, 3859558.54	3.67E-03	1.16E-06	3.37E-07	3.96E-03	1.25E-06	3.63E-07	6.19E-03	1.95E-06	5.68E-07
5541	485947.55, 3857943.61	1.35E-02	4.26E-06	1.24E-06	1.45E-02	4.59E-06	1.33E-06	2.27E-02	7.16E-06	2.08E-06
5542	484738.38, 3857940.21	7.46E-03	2.36E-06	6.85E-07	8.04E-03	2.54E-06	7.38E-07	1.26E-02	3.97E-06	1.16E-06
5543	484737.06, 3857535.68	9.62E-03	3.04E-06	8.83E-07	1.04E-02	3.27E-06	9.51E-07	1.62E-02	5.11E-06	1.49E-06
5544	483730.2, 3857530.13	6.41E-03	2.02E-06	5.89E-07	6.91E-03	2.18E-06	6.34E-07	1.08E-02	3.42E-06	9.95E-07
5545	483727.27, 3857130.01	7.79E-03	2.46E-06	7.15E-07	8.39E-03	2.65E-06	7.70E-07	1.32E-02	4.15E-06	1.21E-06
5546	483124.42, 3857123.45	6.13E-03	1.94E-06	5.63E-07	6.61E-03	2.09E-06	6.07E-07	1.04E-02	3.28E-06	9.54E-07
5547	483111.13, 3855921.03	1.05E-02	3.30E-06	9.61E-07	1.13E-02	3.56E-06	1.04E-06	1.78E-02	5.61E-06	1.63E-06

5548 482701.73, 3855918.24	8.20E-03	2.59E-06	7.53E-07	8.85E-03	2.79E-06	8.12E-07	1.40E-02	4.41E-06	1.28E-06
5549 482668.02, 3853521.78	5.39E-03	1.70E-06	4.95E-07	5.75E-03	1.81E-06	5.28E-07	8.35E-03	2.64E-06	7.67E-07
5550 482579.91, 3853219.19	3.05E-03	9.61E-07	2.80E-07	3.27E-03	1.03E-06	3.01E-07	5.05E-03	1.59E-06	4.63E-07
5551 482434.06, 3852961.94	2.39E-03	7.54E-07	2.19E-07	2.57E-03	8.12E-07	2.36E-07	4.00E-03	1.26E-06	3.67E-07
5552 482332.11, 3852832.85	2.18E-03	6.87E-07	2.00E-07	2.35E-03	7.40E-07	2.15E-07	3.66E-03	1.15E-06	3.36E-07
5553 481334.99, 3851818.96	1.30E-03	4.10E-07	1.19E-07	1.40E-03	4.42E-07	1.29E-07	2.20E-03	6.93E-07	2.02E-07
5554 481127.62, 3851646.36	1.22E-03	3.84E-07	1.12E-07	1.31E-03	4.14E-07	1.20E-07	2.06E-03	6.50E-07	1.89E-07
5555 481025.04, 3851591.73	1.20E-03	3.78E-07	1.10E-07	1.29E-03	4.08E-07	1.19E-07	2.03E-03	6.40E-07	1.86E-07
5556 480513.6, 3851335.76	1.11E-03	3.50E-07	1.02E-07	1.20E-03	3.78E-07	1.10E-07	1.89E-03	5.95E-07	1.73E-07
5557 480523.56, 3851317.66	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.87E-03	5.91E-07	1.72E-07
5558 476921.56, 3849569.11	3.89E-04	1.23E-07	3.57E-08	4.19E-04	1.32E-07	3.85E-08	6.58E-04	2.08E-07	6.04E-08
5559 476521.19, 3849373.96	3.68E-04	1.16E-07	3.38E-08	3.97E-04	1.25E-07	3.65E-08	6.25E-04	1.97E-07	5.74E-08
5560 476391.45, 3849333.38	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.64E-08	6.23E-04	1.97E-07	5.72E-08
5561 476219.41, 3849304.29	3.69E-04	1.17E-07	3.39E-08	3.98E-04	1.26E-07	3.65E-08	6.26E-04	1.98E-07	5.75E-08
5562 475679.11, 3849218.47	3.61E-04	1.14E-07	3.32E-08	3.90E-04	1.23E-07	3.58E-08	6.14E-04	1.94E-07	5.64E-08
5563 475677.71, 3849233.88	3.64E-04	1.15E-07	3.34E-08	3.93E-04	1.24E-07	3.60E-08	6.19E-04	1.95E-07	5.68E-08
5564 475492.74, 3849204.66	3.21E-04	1.01E-07	2.95E-08	3.46E-04	1.09E-07	3.18E-08	5.47E-04	1.73E-07	5.02E-08
5565 475497.64, 3849158.75	3.33E-04	1.05E-07	3.05E-08	3.59E-04	1.13E-07	3.29E-08	5.66E-04	1.79E-07	5.20E-08
5566 475391.35, 3849141.94	3.46E-04	1.09E-07	3.17E-08	3.73E-04	1.18E-07	3.42E-08	5.88E-04	1.86E-07	5.40E-08
5567 475277, 3849095.47	3.46E-04	1.09E-07	3.18E-08	3.73E-04	1.18E-07	3.43E-08	5.89E-04	1.86E-07	5.40E-08
5568 475183.93, 3849025.66	3.39E-04	1.07E-07	3.12E-08	3.66E-04	1.16E-07	3.36E-08	5.78E-04	1.82E-07	5.30E-08
5569 474453.23, 3848378.77	2.93E-04	9.26E-08	2.69E-08	3.16E-04	9.98E-08	2.90E-08	4.99E-04	1.57E-07	4.58E-08
5570 474569.63, 3848399.34	2.90E-04	9.14E-08	2.66E-08	3.12E-04	9.86E-08	2.87E-08	4.93E-04	1.55E-07	4.52E-08
5571 474644.33, 3848464.52	2.95E-04	9.30E-08	2.71E-08	3.18E-04	1.00E-07	2.92E-08	5.01E-04	1.58E-07	4.60E-08
5572 474719.04, 3848529.7	2.99E-04	9.45E-08	2.75E-08	3.23E-04	1.02E-07	2.96E-08	5.09E-04	1.61E-07	4.68E-08
5573 474793.74, 3848594.88	3.01E-04	9.51E-08	2.77E-08	3.25E-04	1.03E-07	2.98E-08	5.13E-04	1.62E-07	4.71E-08
5574 474868.45, 3848660.07	3.01E-04	9.51E-08	2.77E-08	3.25E-04	1.03E-07	2.98E-08	5.13E-04	1.62E-07	4.71E-08
5575 474943.15, 3848725.25	3.04E-04	9.59E-08	2.79E-08	3.28E-04	1.03E-07	3.01E-08	5.17E-04	1.63E-07	4.75E-08
5576 475017.86, 3848790.43	3.10E-04	9.79E-08	2.85E-08	3.34E-04	1.06E-07	3.07E-08	5.28E-04	1.67E-07	4.85E-08
5577 475092.56, 3848855.61	3.18E-04	1.00E-07	2.92E-08	3.43E-04	1.08E-07	3.15E-08	5.41E-04	1.71E-07	4.97E-08
5578 475232.58, 3848959.38	3.28E-04	1.04E-07	3.02E-08	3.54E-04	1.12E-07	3.25E-08	5.59E-04	1.76E-07	5.13E-08
5579 475368.47, 3849029.98	3.31E-04	1.05E-07	3.04E-08	3.57E-04	1.13E-07	3.28E-08	5.64E-04	1.78E-07	5.17E-08
5580 475609.57, 3849096.09	3.30E-04	1.04E-07	3.03E-08	3.56E-04	1.12E-07	3.27E-08	5.61E-04	1.77E-07	5.15E-08
5581 475680.68, 3849116.62	3.39E-04	1.07E-07	3.11E-08	3.65E-04	1.15E-07	3.35E-08	5.76E-04	1.82E-07	5.28E-08
5582 475843.76, 3849151.52	3.46E-04	1.09E-07	3.17E-08	3.73E-04	1.18E-07	3.42E-08	5.87E-04	1.85E-07	5.39E-08
5583 475935.73, 3849165.89	3.53E-04	1.11E-07	3.24E-08	3.81E-04	1.20E-07	3.49E-08	5.99E-04	1.89E-07	5.50E-08
5584 476027.71, 3849180.27	3.57E-04	1.13E-07	3.28E-08	3.85E-04	1.22E-07	3.53E-08	6.06E-04	1.91E-07	5.56E-08
5585 476119.68, 3849194.64	3.50E-04	1.11E-07	3.22E-08	3.78E-04	1.19E-07	3.47E-08	5.95E-04	1.88E-07	5.46E-08
5586 476211.65, 3849209.01	3.48E-04	1.10E-07	3.20E-08	3.76E-04	1.19E-07	3.45E-08	5.91E-04	1.87E-07	5.43E-08
5587 476497.81, 3849283.9	3.50E-04	1.10E-07	3.21E-08	3.77E-04	1.19E-07	3.46E-08	5.94E-04	1.87E-07	5.45E-08
5588 476603.73, 3849323.77	3.54E-04	1.12E-07	3.25E-08	3.82E-04	1.20E-07	3.50E-08	6.00E-04	1.90E-07	5.51E-08
5589 476728.99, 3849382.76	3.60E-04	1.13E-07	3.30E-08	3.88E-04	1.22E-07	3.56E-08	6.10E-04	1.92E-07	5.60E-08
5590 476801.27, 3849418.65	3.64E-04	1.15E-07	3.34E-08	3.92E-04	1.24E-07	3.60E-08	6.16E-04	1.95E-07	5.66E-08
5591 476956.2, 3849495.05	3.73E-04	1.18E-07	3.42E-08	4.01E-04	1.27E-07	3.69E-08	6.31E-04	1.99E-07	5.79E-08
5592 477038.84, 3849535.56	3.75E-04	1.18E-07	3.44E-08	4.04E-04	1.28E-07	3.71E-08	6.35E-04	2.01E-07	5.83E-08
5593 477121.49, 3849576.08	3.80E-04	1.20E-07	3.49E-08	4.10E-04	1.29E-07	3.76E-08	6.44E-04	2.03E-07	5.91E-08
5594 477204.13, 3849616.6	3.84E-04	1.21E-07	3.52E-08	4.13E-04	1.30E-07	3.79E-08	6.49E-04	2.05E-07	5.96E-08
5595 477286.78, 3849657.12	3.81E-04	1.20E-07	3.50E-08	4.10E-04	1.30E-07	3.77E-08	6.45E-04	2.04E-07	5.92E-08
5596 477369.42, 3849697.63	3.94E-04	1.24E-07	3.62E-08	4.25E-04	1.34E-07	3.90E-08	6.67E-04	2.11E-07	6.13E-08
5597 477452.07, 3849738.15	3.99E-04	1.26E-07	3.66E-08	4.30E-04	1.36E-07	3.95E-08	6.75E-04	2.13E-07	6.20E-08
5598 477534.71, 3849778.67	4.11E-04	1.30E-07	3.77E-08	4.43E-04	1.40E-07	4.07E-08	6.95E-04	2.19E-07	6.38E-08
5599 477617.36, 3849819.18	4.17E-04	1.32E-07	3.83E-08	4.49E-04	1.42E-07	4.13E-08	7.05E-04	2.23E-07	6.47E-08
5600 477824.74, 3849896.37	4.41E-04	1.39E-07	4.05E-08	4.75E-04	1.50E-07	4.36E-08	7.45E-04	2.35E-07	6.84E-08
5601 477906.31, 3849936.37	4.40E-04	1.39E-07	4.04E-08	4.75E-04	1.50E-07	4.36E-08	7.45E-04	2.35E-07	6.84E-08
5602 477987.89, 3849976.36	4.55E-04	1.44E-07	4.18E-08	4.90E-04	1.55E-07	4.50E-08	7.70E-04	2.43E-07	7.07E-08
5603 478069.47, 3850016.36	4.60E-04	1.45E-07	4.22E-08	4.95E-04	1.56E-07	4.55E-08	7.78E-04	2.46E-07	7.15E-08
5604 478151.04, 3850056.35	4.66E-04	1.47E-07	4.28E-08	5.02E-04	1.58E-07	4.61E-08	7.89E-04	2.49E-07	7.25E-08
5605 478232.62, 3850096.35	4.80E-04	1.52E-07	4.41E-08	5.18E-04	1.63E-07	4.75E-08	8.14E-04	2.57E-07	7.47E-08
5606 478314.2, 3850136.34	4.97E-04	1.57E-07	4.56E-08	5.36E-04	1.69E-07	4.92E-08	8.42E-04	2.66E-07	7.73E-08
5607 478395.77, 3850176.34	5.15E-04	1.63E-07	4.73E-08	5.55E-04	1.75E-07	5.10E-08	8.73E-04	2.76E-07	8.01E-08
5608 478575.43, 3850244.45	5.63E-04	1.78E-07	5.17E-08	6.07E-04	1.92E-07	5.57E-08	9.56E-04	3.02E-07	8.77E-08

5609 478665.06, 3850287.29	5.88E-04	1.86E-07	5.40E-08	6.34E-04	2.00E-07	5.82E-08	9.98E-04	3.15E-07	9.17E-08
5610 478754.69, 3850330.14	6.15E-04	1.94E-07	5.65E-08	6.63E-04	2.09E-07	6.09E-08	1.04E-03	3.30E-07	9.59E-08
5611 478844.32, 3850372.99	6.44E-04	2.03E-07	5.92E-08	6.95E-04	2.19E-07	6.38E-08	1.09E-03	3.46E-07	1.00E-07
5612 478933.95, 3850415.84	6.75E-04	2.13E-07	6.20E-08	7.28E-04	2.30E-07	6.68E-08	1.15E-03	3.62E-07	1.05E-07
5613 479023.58, 3850458.68	6.99E-04	2.21E-07	6.42E-08	7.54E-04	2.38E-07	6.92E-08	1.19E-03	3.75E-07	1.09E-07
5614 479110.66, 3850441.91	7.37E-04	2.32E-07	6.76E-08	7.94E-04	2.51E-07	7.29E-08	1.25E-03	3.96E-07	1.15E-07
5615 479191.22, 3850423.99	7.64E-04	2.41E-07	7.01E-08	8.24E-04	2.60E-07	7.57E-08	1.30E-03	4.11E-07	1.20E-07
5616 479274.32, 3850465.71	7.84E-04	2.48E-07	7.20E-08	8.46E-04	2.67E-07	7.77E-08	1.34E-03	4.22E-07	1.23E-07
5617 479357.43, 3850507.42	8.01E-04	2.53E-07	7.36E-08	8.65E-04	2.73E-07	7.94E-08	1.37E-03	4.32E-07	1.26E-07
5618 479440.53, 3850549.14	8.16E-04	2.58E-07	7.49E-08	8.80E-04	2.78E-07	8.08E-08	1.39E-03	4.40E-07	1.28E-07
5619 479523.64, 3850590.85	8.31E-04	2.62E-07	7.63E-08	8.97E-04	2.83E-07	8.23E-08	1.42E-03	4.48E-07	1.30E-07
5620 479606.74, 3850632.57	8.48E-04	2.68E-07	7.78E-08	9.15E-04	2.89E-07	8.40E-08	1.45E-03	4.57E-07	1.33E-07
5621 479777.37, 3850707.61	8.75E-04	2.76E-07	8.03E-08	9.44E-04	2.98E-07	8.67E-08	1.50E-03	4.72E-07	1.37E-07
5622 479864.9, 3850740.95	8.88E-04	2.80E-07	8.15E-08	9.58E-04	3.02E-07	8.79E-08	1.52E-03	4.79E-07	1.39E-07
5623 479931.87, 3850829.57	9.16E-04	2.89E-07	8.41E-08	9.89E-04	3.12E-07	9.08E-08	1.57E-03	4.94E-07	1.44E-07
5624 479995.55, 3850926.75	9.52E-04	3.01E-07	8.74E-08	1.03E-03	3.24E-07	9.43E-08	1.63E-03	5.13E-07	1.49E-07
5625 480079.78, 3850968.64	9.71E-04	3.07E-07	8.92E-08	1.05E-03	3.31E-07	9.62E-08	1.66E-03	5.23E-07	1.52E-07
5626 480164.01, 3851010.54	9.88E-04	3.12E-07	9.07E-08	1.07E-03	3.36E-07	9.78E-08	1.68E-03	5.32E-07	1.55E-07
5627 480248.23, 3851052.43	1.00E-03	3.17E-07	9.21E-08	1.08E-03	3.42E-07	9.93E-08	1.71E-03	5.39E-07	1.57E-07
5628 480332.46, 3851094.33	1.02E-03	3.21E-07	9.33E-08	1.10E-03	3.46E-07	1.01E-07	1.73E-03	5.46E-07	1.59E-07
5629 480416.69, 3851136.22	1.03E-03	3.24E-07	9.42E-08	1.11E-03	3.49E-07	1.02E-07	1.75E-03	5.51E-07	1.60E-07
5630 480579.95, 3851215.17	1.04E-03	3.30E-07	9.59E-08	1.13E-03	3.55E-07	1.03E-07	1.77E-03	5.60E-07	1.63E-07
5631 480658.98, 3851252.22	1.05E-03	3.33E-07	9.67E-08	1.14E-03	3.58E-07	1.04E-07	1.79E-03	5.64E-07	1.64E-07
5632 480817.36, 3851327.85	1.07E-03	3.38E-07	9.83E-08	1.15E-03	3.64E-07	1.06E-07	1.81E-03	5.73E-07	1.67E-07
5633 480896.72, 3851366.43	1.08E-03	3.41E-07	9.91E-08	1.16E-03	3.67E-07	1.07E-07	1.83E-03	5.77E-07	1.68E-07
5634 480976.07, 3851405	1.09E-03	3.44E-07	9.99E-08	1.17E-03	3.70E-07	1.08E-07	1.84E-03	5.81E-07	1.69E-07
5635 481178, 3851487.31	1.10E-03	3.48E-07	1.01E-07	1.19E-03	3.75E-07	1.09E-07	1.86E-03	5.89E-07	1.71E-07
5636 481244.9, 3851557.17	1.14E-03	3.59E-07	1.04E-07	1.22E-03	3.86E-07	1.12E-07	1.92E-03	6.06E-07	1.76E-07
5637 481311.81, 3851627.03	1.17E-03	3.69E-07	1.07E-07	1.26E-03	3.97E-07	1.16E-07	1.97E-03	6.23E-07	1.81E-07
5638 481378.71, 3851696.89	1.20E-03	3.79E-07	1.10E-07	1.30E-03	4.09E-07	1.19E-07	2.03E-03	6.40E-07	1.86E-07
5639 481445.61, 3851766.76	1.24E-03	3.91E-07	1.14E-07	1.33E-03	4.21E-07	1.22E-07	2.09E-03	6.59E-07	1.92E-07
5640 481512.51, 3851836.62	1.27E-03	4.02E-07	1.17E-07	1.37E-03	4.33E-07	1.26E-07	2.15E-03	6.78E-07	1.97E-07
5641 481579.42, 3851906.48	1.31E-03	4.14E-07	1.20E-07	1.41E-03	4.46E-07	1.30E-07	2.21E-03	6.98E-07	2.03E-07
5642 481646.32, 3851976.34	1.35E-03	4.27E-07	1.24E-07	1.46E-03	4.60E-07	1.34E-07	2.28E-03	7.20E-07	2.09E-07
5643 481713.22, 3852046.2	1.39E-03	4.38E-07	1.27E-07	1.50E-03	4.72E-07	1.37E-07	2.34E-03	7.40E-07	2.15E-07
5644 481780.12, 3852116.06	1.44E-03	4.53E-07	1.32E-07	1.55E-03	4.88E-07	1.42E-07	2.42E-03	7.65E-07	2.22E-07
5645 481847.03, 3852185.92	1.49E-03	4.71E-07	1.37E-07	1.61E-03	5.08E-07	1.48E-07	2.52E-03	7.95E-07	2.31E-07
5646 481913.93, 3852255.78	1.55E-03	4.89E-07	1.42E-07	1.67E-03	5.26E-07	1.53E-07	2.61E-03	8.23E-07	2.40E-07
5647 481980.83, 3852325.65	1.61E-03	5.07E-07	1.47E-07	1.73E-03	5.46E-07	1.59E-07	2.70E-03	8.53E-07	2.48E-07
5648 482047.73, 3852395.51	1.66E-03	5.25E-07	1.53E-07	1.79E-03	5.65E-07	1.64E-07	2.80E-03	8.83E-07	2.57E-07
5649 482114.64, 3852465.37	1.72E-03	5.44E-07	1.58E-07	1.85E-03	5.85E-07	1.70E-07	2.89E-03	9.14E-07	2.66E-07
5650 482181.54, 3852535.23	1.79E-03	5.63E-07	1.64E-07	1.92E-03	6.07E-07	1.76E-07	3.00E-03	9.46E-07	2.75E-07
5651 482338.69, 3852700.05	1.95E-03	6.16E-07	1.79E-07	2.10E-03	6.64E-07	1.93E-07	3.27E-03	1.03E-06	3.01E-07
5652 482404.05, 3852767.78	2.03E-03	6.42E-07	1.87E-07	2.19E-03	6.91E-07	2.01E-07	3.41E-03	1.08E-06	3.13E-07
5653 482469.4, 3852835.52	2.13E-03	6.71E-07	1.95E-07	2.29E-03	7.22E-07	2.10E-07	3.56E-03	1.12E-06	3.27E-07
5654 482534.75, 3852903.25	2.23E-03	7.05E-07	2.05E-07	2.40E-03	7.58E-07	2.21E-07	3.73E-03	1.18E-06	3.43E-07
5655 482600.11, 3852970.99	2.36E-03	7.44E-07	2.16E-07	2.54E-03	8.01E-07	2.33E-07	3.94E-03	1.24E-06	3.61E-07
5656 482706.71, 3853119.28	2.72E-03	8.58E-07	2.50E-07	2.92E-03	9.23E-07	2.68E-07	4.52E-03	1.43E-06	4.15E-07
5657 482747.96, 3853199.84	2.97E-03	9.38E-07	2.73E-07	3.20E-03	1.01E-06	2.93E-07	4.92E-03	1.55E-06	4.52E-07
5658 482789.21, 3853280.4	3.29E-03	1.04E-06	3.02E-07	3.54E-03	1.12E-06	3.25E-07	5.41E-03	1.71E-06	4.97E-07
5659 482830.46, 3853360.96	3.77E-03	1.19E-06	3.46E-07	4.04E-03	1.27E-06	3.71E-07	6.07E-03	1.92E-06	5.58E-07
5660 482871.71, 3853441.52	5.86E-03	1.85E-06	5.38E-07	6.19E-03	1.95E-06	5.68E-07	8.35E-03	2.63E-06	7.66E-07
5661 482912.95, 3853522.07	1.12E-02	3.52E-06	1.02E-06	1.16E-02	3.67E-06	1.07E-06	1.38E-02	4.36E-06	1.27E-06
5662 482954.2, 3853602.63	1.12E-02	3.52E-06	1.02E-06	1.17E-02	3.69E-06	1.07E-06	1.44E-02	4.55E-06	1.32E-06
5663 482995.45, 3853683.19	1.17E-02	3.70E-06	1.08E-06	1.24E-02	3.90E-06	1.13E-06	1.64E-02	5.16E-06	1.50E-06
5664 483036.7, 3853763.75	1.37E-02	4.31E-06	1.25E-06	1.46E-02	4.60E-06	1.34E-06	2.12E-02	6.68E-06	1.94E-06
5665 483214.2, 3853909.91	1.47E-02	4.64E-06	1.35E-06	1.59E-02	5.02E-06	1.46E-06	2.58E-02	8.15E-06	2.37E-06
5666 483307.01, 3853910.44	1.33E-02	4.19E-06	1.22E-06	1.44E-02	4.53E-06	1.32E-06	2.33E-02	7.37E-06	2.14E-06
5667 483399.83, 3853910.96	1.20E-02	3.78E-06	1.10E-06	1.30E-02	4.09E-06	1.19E-06	2.11E-02	6.65E-06	1.93E-06
5668 483494.52, 3854009.24	1.38E-02	4.35E-06	1.27E-06	1.50E-02	4.73E-06	1.38E-06	2.49E-02	7.86E-06	2.29E-06
5669 483496.41, 3854106.98	1.71E-02	5.39E-06	1.57E-06	1.86E-02	5.87E-06	1.71E-06	3.14E-02	9.90E-06	2.88E-06

5670 483577.56, 3854261.96	2.00E-02	6.30E-06	1.83E-06	2.18E-02	6.87E-06	2.00E-06	3.67E-02	1.16E-05	3.37E-06
5671 483656.83, 3854319.19	1.95E-02	6.14E-06	1.79E-06	2.12E-02	6.68E-06	1.94E-06	3.54E-02	1.12E-05	3.25E-06
5672 483736.1, 3854376.41	1.88E-02	5.95E-06	1.73E-06	2.05E-02	6.46E-06	1.88E-06	3.40E-02	1.07E-05	3.12E-06
5673 483815.37, 3854433.64	1.84E-02	5.80E-06	1.69E-06	1.99E-02	6.29E-06	1.83E-06	3.28E-02	1.04E-05	3.01E-06
5674 483894.63, 3854490.87	1.80E-02	5.70E-06	1.66E-06	1.96E-02	6.17E-06	1.80E-06	3.19E-02	1.01E-05	2.93E-06
5675 483973.9, 3854548.1	1.81E-02	5.71E-06	1.66E-06	1.96E-02	6.18E-06	1.80E-06	3.17E-02	1.00E-05	2.91E-06
5676 484053.17, 3854605.32	1.89E-02	5.98E-06	1.74E-06	2.05E-02	6.46E-06	1.88E-06	3.28E-02	1.04E-05	3.01E-06
5677 484214.97, 3854698.15	2.04E-02	6.45E-06	1.88E-06	2.20E-02	6.95E-06	2.02E-06	3.48E-02	1.10E-05	3.19E-06
5678 484297.5, 3854733.74	2.16E-02	6.81E-06	1.98E-06	2.32E-02	7.34E-06	2.13E-06	3.64E-02	1.15E-05	3.35E-06
5679 484380.03, 3854769.34	2.18E-02	6.87E-06	2.00E-06	2.34E-02	7.39E-06	2.15E-06	3.66E-02	1.16E-05	3.36E-06
5680 484462.56, 3854804.94	2.26E-02	7.14E-06	2.08E-06	2.43E-02	7.68E-06	2.24E-06	3.80E-02	1.20E-05	3.49E-06
5681 484545.09, 3854840.53	2.24E-02	7.06E-06	2.05E-06	2.41E-02	7.60E-06	2.21E-06	3.75E-02	1.19E-05	3.45E-06
5682 484691.88, 3854912.59	2.41E-02	7.61E-06	2.21E-06	2.60E-02	8.19E-06	2.38E-06	4.04E-02	1.28E-05	3.71E-06
5683 484830.81, 3855012.51	2.66E-02	8.39E-06	2.44E-06	2.86E-02	9.03E-06	2.63E-06	4.44E-02	1.40E-05	4.08E-06
5684 484905.48, 3855075.97	2.94E-02	9.27E-06	2.70E-06	3.16E-02	9.97E-06	2.90E-06	4.91E-02	1.55E-05	4.51E-06
5685 484980.14, 3855139.44	3.12E-02	9.85E-06	2.87E-06	3.36E-02	1.06E-05	3.08E-06	5.23E-02	1.65E-05	4.80E-06
5686 485054.81, 3855202.91	3.22E-02	1.02E-05	2.96E-06	3.47E-02	1.09E-05	3.18E-06	5.40E-02	1.70E-05	4.96E-06
5687 485129.48, 3855266.37	3.20E-02	1.01E-05	2.93E-06	3.44E-02	1.09E-05	3.16E-06	5.36E-02	1.69E-05	4.92E-06
5688 485204.15, 3855329.84	3.37E-02	1.06E-05	3.10E-06	3.63E-02	1.15E-05	3.33E-06	5.67E-02	1.79E-05	5.20E-06
5689 485278.82, 3855393.31	3.43E-02	1.08E-05	3.14E-06	3.69E-02	1.16E-05	3.39E-06	5.77E-02	1.82E-05	5.29E-06
5690 485353.48, 3855456.77	3.53E-02	1.11E-05	3.24E-06	3.81E-02	1.20E-05	3.49E-06	5.96E-02	1.88E-05	5.47E-06
5691 485428.15, 3855520.24	3.57E-02	1.13E-05	3.28E-06	3.84E-02	1.21E-05	3.53E-06	6.03E-02	1.90E-05	5.54E-06
5692 485502.82, 3855583.71	3.61E-02	1.14E-05	3.32E-06	3.89E-02	1.23E-05	3.58E-06	6.12E-02	1.93E-05	5.62E-06
5693 485577.49, 3855647.17	3.75E-02	1.18E-05	3.44E-06	4.05E-02	1.28E-05	3.71E-06	6.38E-02	2.01E-05	5.86E-06
5694 485652.16, 3855710.64	3.89E-02	1.23E-05	3.57E-06	4.19E-02	1.32E-05	3.85E-06	6.63E-02	2.09E-05	6.09E-06
5695 485726.83, 3855774.11	3.93E-02	1.24E-05	3.61E-06	4.24E-02	1.34E-05	3.89E-06	6.72E-02	2.12E-05	6.17E-06
5696 485801.49, 3855837.57	3.92E-02	1.24E-05	3.59E-06	4.23E-02	1.33E-05	3.88E-06	6.70E-02	2.12E-05	6.16E-06
5697 485876.16, 3855901.04	3.95E-02	1.25E-05	3.62E-06	4.26E-02	1.35E-05	3.91E-06	6.77E-02	2.14E-05	6.22E-06
5698 485950.83, 3855964.5	3.94E-02	1.24E-05	3.62E-06	4.26E-02	1.34E-05	3.91E-06	6.77E-02	2.14E-05	6.22E-06
5699 486025.5, 3856027.97	3.88E-02	1.22E-05	3.56E-06	4.19E-02	1.32E-05	3.84E-06	6.67E-02	2.10E-05	6.12E-06
5700 486100.17, 3856091.44	4.05E-02	1.28E-05	3.72E-06	4.38E-02	1.38E-05	4.02E-06	6.98E-02	2.20E-05	6.41E-06
5701 486174.83, 3856154.9	3.95E-02	1.25E-05	3.63E-06	4.27E-02	1.35E-05	3.92E-06	6.82E-02	2.15E-05	6.26E-06
5702 486249.5, 3856218.37	3.71E-02	1.17E-05	3.41E-06	4.01E-02	1.27E-05	3.68E-06	6.41E-02	2.02E-05	5.88E-06
5703 486324.17, 3856281.84	3.53E-02	1.11E-05	3.24E-06	3.82E-02	1.20E-05	3.50E-06	6.10E-02	1.92E-05	5.60E-06
5704 486398.84, 3856345.3	3.61E-02	1.14E-05	3.31E-06	3.90E-02	1.23E-05	3.58E-06	6.23E-02	1.97E-05	5.72E-06
5705 486473.51, 3856408.77	3.62E-02	1.14E-05	3.32E-06	3.91E-02	1.23E-05	3.59E-06	6.26E-02	1.98E-05	5.75E-06
5706 486548.17, 3856472.24	3.72E-02	1.17E-05	3.41E-06	4.02E-02	1.27E-05	3.69E-06	6.42E-02	2.03E-05	5.90E-06
5707 486622.84, 3856535.7	3.82E-02	1.21E-05	3.51E-06	4.13E-02	1.30E-05	3.79E-06	6.60E-02	2.08E-05	6.06E-06
5708 486765.48, 3856659.69	4.10E-02	1.29E-05	3.76E-06	4.43E-02	1.40E-05	4.07E-06	7.08E-02	2.24E-05	6.50E-06
5709 486833.44, 3856720.2	4.20E-02	1.33E-05	3.86E-06	4.54E-02	1.43E-05	4.17E-06	7.27E-02	2.29E-05	6.67E-06
5710 486901.41, 3856780.72	4.34E-02	1.37E-05	3.99E-06	4.69E-02	1.48E-05	4.31E-06	7.51E-02	2.37E-05	6.89E-06
5711 486969.38, 3856841.24	4.45E-02	1.40E-05	4.08E-06	4.81E-02	1.52E-05	4.41E-06	7.70E-02	2.43E-05	7.07E-06
5712 487037.34, 3856901.75	4.54E-02	1.43E-05	4.17E-06	4.91E-02	1.55E-05	4.51E-06	7.87E-02	2.48E-05	7.22E-06
5713 487271.23, 3856855.51	3.79E-02	1.20E-05	3.48E-06	4.09E-02	1.29E-05	3.76E-06	6.55E-02	2.07E-05	6.02E-06
5714 487368.96, 3856857.29	3.60E-02	1.14E-05	3.31E-06	3.89E-02	1.23E-05	3.58E-06	6.23E-02	1.97E-05	5.72E-06
5715 487466.68, 3856859.06	3.45E-02	1.09E-05	3.16E-06	3.72E-02	1.18E-05	3.42E-06	5.96E-02	1.88E-05	5.47E-06
5716 487636.44, 3856930	3.34E-02	1.05E-05	3.07E-06	3.61E-02	1.14E-05	3.32E-06	5.78E-02	1.83E-05	5.31E-06
5717 487709.57, 3856928.43	3.23E-02	1.02E-05	2.97E-06	3.49E-02	1.10E-05	3.21E-06	5.59E-02	1.76E-05	5.13E-06
5718 487782.55, 3856841.96	2.95E-02	9.33E-06	2.71E-06	3.19E-02	1.01E-05	2.93E-06	5.11E-02	1.61E-05	4.69E-06
5719 487849.83, 3856754.74	2.73E-02	8.60E-06	2.50E-06	2.95E-02	9.30E-06	2.70E-06	4.71E-02	1.49E-05	4.32E-06
5720 487918.03, 3856819.39	2.77E-02	8.73E-06	2.54E-06	2.99E-02	9.44E-06	2.74E-06	4.78E-02	1.51E-05	4.39E-06
5721 487918.8, 3856886.37	2.88E-02	9.09E-06	2.64E-06	3.11E-02	9.82E-06	2.86E-06	4.98E-02	1.57E-05	4.57E-06
5722 488065.47, 3857127.51	3.08E-02	9.74E-06	2.83E-06	3.33E-02	1.05E-05	3.06E-06	5.35E-02	1.69E-05	4.91E-06
5723 488192.19, 3857385.84	3.33E-02	1.05E-05	3.05E-06	3.60E-02	1.13E-05	3.30E-06	5.79E-02	1.83E-05	5.31E-06
5724 488191.22, 3857473.87	3.47E-02	1.10E-05	3.19E-06	3.76E-02	1.19E-05	3.45E-06	6.05E-02	1.91E-05	5.56E-06
5725 488190.24, 3857561.91	3.62E-02	1.14E-05	3.33E-06	3.92E-02	1.24E-05	3.60E-06	6.32E-02	1.99E-05	5.80E-06
5726 488158.35, 3857691.13	3.95E-02	1.25E-05	3.62E-06	4.27E-02	1.35E-05	3.92E-06	6.89E-02	2.17E-05	6.33E-06
5727 488208.37, 3857816.66	4.03E-02	1.27E-05	3.70E-06	4.36E-02	1.38E-05	4.00E-06	7.04E-02	2.22E-05	6.47E-06
5728 488271.97, 3857874.6	3.92E-02	1.24E-05	3.60E-06	4.24E-02	1.34E-05	3.89E-06	6.85E-02	2.16E-05	6.29E-06
5729 488463.56, 3857942.31	3.44E-02	1.09E-05	3.16E-06	3.72E-02	1.17E-05	3.42E-06	6.00E-02	1.89E-05	5.51E-06
5730 488554.83, 3857940.83	3.22E-02	1.02E-05	2.95E-06	3.48E-02	1.10E-05	3.19E-06	5.61E-02	1.77E-05	5.15E-06

5731 488646.1, 3857939.36	3.02E-02	9.54E-06	2.77E-06	3.27E-02	1.03E-05	3.00E-06	5.26E-02	1.66E-05	4.83E-06
5732 488737.37, 3857937.88	2.85E-02	8.99E-06	2.61E-06	3.08E-02	9.72E-06	2.83E-06	4.96E-02	1.56E-05	4.55E-06
5733 488733.59, 3857960.57	2.86E-02	9.04E-06	2.63E-06	3.10E-02	9.77E-06	2.84E-06	4.99E-02	1.57E-05	4.58E-06
5734 488638.09, 3857961.57	3.05E-02	9.62E-06	2.80E-06	3.30E-02	1.04E-05	3.03E-06	5.31E-02	1.68E-05	4.88E-06
5735 488542.6, 3857962.56	3.26E-02	1.03E-05	2.99E-06	3.53E-02	1.11E-05	3.24E-06	5.68E-02	1.79E-05	5.22E-06
5736 488447.1, 3857963.56	3.50E-02	1.11E-05	3.22E-06	3.79E-02	1.20E-05	3.48E-06	6.11E-02	1.93E-05	5.61E-06
5737 488254.28, 3857890.36	4.00E-02	1.26E-05	3.67E-06	4.33E-02	1.37E-05	3.97E-06	7.00E-02	2.21E-05	6.43E-06
5738 488191.69, 3857833.06	4.12E-02	1.30E-05	3.78E-06	4.46E-02	1.41E-05	4.09E-06	7.21E-02	2.27E-05	6.61E-06
5739 488129.5, 3857907.43	4.51E-02	1.42E-05	4.14E-06	4.89E-02	1.54E-05	4.49E-06	7.93E-02	2.50E-05	7.28E-06
5740 488196.47, 3857968.74	4.36E-02	1.38E-05	4.00E-06	4.72E-02	1.49E-05	4.34E-06	7.66E-02	2.42E-05	7.04E-06
5741 488263.44, 3858030.04	4.22E-02	1.33E-05	3.87E-06	4.57E-02	1.44E-05	4.19E-06	7.41E-02	2.34E-05	6.80E-06
5742 488400.64, 3858132.9	3.85E-02	1.22E-05	3.53E-06	4.17E-02	1.32E-05	3.83E-06	6.74E-02	2.13E-05	6.19E-06
5743 488519.89, 3858218.38	3.42E-02	1.08E-05	3.14E-06	3.69E-02	1.17E-05	3.39E-06	5.94E-02	1.88E-05	5.45E-06
5744 488647.97, 3858214.99	3.02E-02	9.53E-06	2.77E-06	3.26E-02	1.03E-05	3.00E-06	5.24E-02	1.65E-05	4.81E-06
5745 488727.05, 3858167.67	2.86E-02	9.02E-06	2.62E-06	3.09E-02	9.75E-06	2.84E-06	4.96E-02	1.57E-05	4.56E-06
5746 488806.12, 3858120.35	2.72E-02	8.58E-06	2.50E-06	2.94E-02	9.28E-06	2.70E-06	4.72E-02	1.49E-05	4.34E-06
5747 488885.2, 3858073.03	2.59E-02	8.18E-06	2.38E-06	2.80E-02	8.85E-06	2.57E-06	4.51E-02	1.42E-05	4.14E-06
5748 489055.76, 3857991.18	2.36E-02	7.46E-06	2.17E-06	2.56E-02	8.07E-06	2.35E-06	4.11E-02	1.30E-05	3.78E-06
5749 489245.39, 3857944.55	2.15E-02	6.79E-06	1.97E-06	2.33E-02	7.34E-06	2.14E-06	3.74E-02	1.18E-05	3.44E-06
5750 489430.63, 3857930.91	1.97E-02	6.21E-06	1.81E-06	2.13E-02	6.71E-06	1.95E-06	3.42E-02	1.08E-05	3.14E-06
5751 489517.74, 3857929.36	1.89E-02	5.96E-06	1.73E-06	2.04E-02	6.45E-06	1.87E-06	3.28E-02	1.04E-05	3.02E-06
5752 489604.86, 3857927.82	1.82E-02	5.73E-06	1.67E-06	1.96E-02	6.20E-06	1.80E-06	3.16E-02	9.96E-06	2.90E-06
5753 489691.97, 3857926.28	1.75E-02	5.51E-06	1.60E-06	1.89E-02	5.96E-06	1.73E-06	3.04E-02	9.58E-06	2.79E-06
5754 489779.08, 3857924.73	1.68E-02	5.31E-06	1.54E-06	1.82E-02	5.74E-06	1.67E-06	2.92E-02	9.23E-06	2.68E-06
5755 490017.55, 3857875.09	1.54E-02	4.85E-06	1.41E-06	1.66E-02	5.25E-06	1.53E-06	2.67E-02	8.43E-06	2.45E-06
5756 490033.82, 3857960.81	1.50E-02	4.75E-06	1.38E-06	1.63E-02	5.13E-06	1.49E-06	2.61E-02	8.24E-06	2.40E-06
5757 489959.15, 3857987.49	1.54E-02	4.87E-06	1.42E-06	1.67E-02	5.26E-06	1.53E-06	2.67E-02	8.44E-06	2.45E-06
5758 489791.49, 3858016.12	1.64E-02	5.18E-06	1.51E-06	1.78E-02	5.60E-06	1.63E-06	2.85E-02	8.99E-06	2.62E-06
5759 489698.51, 3858018.07	1.71E-02	5.40E-06	1.57E-06	1.85E-02	5.83E-06	1.70E-06	2.97E-02	9.37E-06	2.73E-06
5760 489605.52, 3858020.02	1.78E-02	5.63E-06	1.64E-06	1.93E-02	6.08E-06	1.77E-06	3.10E-02	9.77E-06	2.84E-06
5761 489512.53, 3858021.96	1.86E-02	5.87E-06	1.71E-06	2.01E-02	6.35E-06	1.85E-06	3.23E-02	1.02E-05	2.97E-06
5762 489419.55, 3858023.91	1.95E-02	6.14E-06	1.79E-06	2.10E-02	6.64E-06	1.93E-06	3.38E-02	1.07E-05	3.10E-06
5763 489228.47, 3858041.29	2.14E-02	6.76E-06	1.96E-06	2.31E-02	7.31E-06	2.12E-06	3.72E-02	1.18E-05	3.42E-06
5764 489065.75, 3858085.78	2.32E-02	7.32E-06	2.13E-06	2.51E-02	7.92E-06	2.30E-06	4.03E-02	1.27E-05	3.70E-06
5765 489001.12, 3858114.86	2.40E-02	7.56E-06	2.20E-06	2.59E-02	8.17E-06	2.38E-06	4.16E-02	1.31E-05	3.82E-06
5766 488861.89, 3858189.81	2.58E-02	8.13E-06	2.36E-06	2.79E-02	8.79E-06	2.56E-06	4.48E-02	1.41E-05	4.11E-06
5767 488787.29, 3858235.69	2.67E-02	8.43E-06	2.45E-06	2.89E-02	9.11E-06	2.65E-06	4.63E-02	1.46E-05	4.25E-06
5768 488712.68, 3858281.57	2.78E-02	8.78E-06	2.55E-06	3.01E-02	9.49E-06	2.76E-06	4.82E-02	1.52E-05	4.43E-06
5769 488654.39, 3858436.17	2.53E-02	8.00E-06	2.33E-06	2.73E-02	8.62E-06	2.51E-06	4.28E-02	1.35E-05	3.93E-06
5770 488726.31, 3858505.26	2.21E-02	6.96E-06	2.02E-06	2.37E-02	7.48E-06	2.18E-06	3.64E-02	1.15E-05	3.34E-06
5771 488880.6, 3858599.28	1.82E-02	5.76E-06	1.67E-06	1.95E-02	6.16E-06	1.79E-06	2.93E-02	9.24E-06	2.69E-06
5772 489008.06, 3858714.75	1.58E-02	4.98E-06	1.45E-06	1.68E-02	5.31E-06	1.54E-06	2.44E-02	7.71E-06	2.24E-06
5773 489071.48, 3858772.72	1.47E-02	4.64E-06	1.35E-06	1.57E-02	4.94E-06	1.44E-06	2.25E-02	7.10E-06	2.06E-06
5774 489244.6, 3858920.2	1.07E-02	3.38E-06	9.83E-07	1.14E-02	3.61E-06	1.05E-06	1.69E-02	5.34E-06	1.55E-06
5775 489239.69, 3858952.23	1.01E-02	3.20E-06	9.30E-07	1.08E-02	3.42E-06	9.94E-07	1.60E-02	5.07E-06	1.47E-06
5776 489121.67, 3858854.49	1.30E-02	4.11E-06	1.20E-06	1.39E-02	4.37E-06	1.27E-06	1.98E-02	6.26E-06	1.82E-06
5777 489059.59, 3858797.27	1.47E-02	4.63E-06	1.35E-06	1.56E-02	4.92E-06	1.43E-06	2.21E-02	6.98E-06	2.03E-06
5778 488997.52, 3858740.04	1.58E-02	4.97E-06	1.45E-06	1.68E-02	5.30E-06	1.54E-06	2.41E-02	7.59E-06	2.21E-06
5779 488935.44, 3858682.82	1.68E-02	5.29E-06	1.54E-06	1.79E-02	5.64E-06	1.64E-06	2.60E-02	8.22E-06	2.39E-06
5780 488869.17, 3858848.43	2.10E-02	6.62E-06	1.92E-06	2.20E-02	6.94E-06	2.02E-06	2.76E-02	8.70E-06	2.53E-06
5781 488932.48, 3858892.69	1.64E-02	5.19E-06	1.51E-06	1.73E-02	5.47E-06	1.59E-06	2.27E-02	7.15E-06	2.08E-06
5782 489063.27, 3858977.17	1.02E-02	3.22E-06	9.37E-07	1.09E-02	3.44E-06	9.99E-07	1.58E-02	5.00E-06	1.45E-06
5783 489248.2, 3859117.15	7.45E-03	2.35E-06	6.84E-07	7.99E-03	2.52E-06	7.34E-07	1.22E-02	3.85E-06	1.12E-06
5784 489296.25, 3859049.22	8.38E-03	2.64E-06	7.69E-07	8.98E-03	2.83E-06	8.24E-07	1.36E-02	4.28E-06	1.25E-06
5785 489353.38, 3858993.97	9.11E-03	2.88E-06	8.37E-07	9.77E-03	3.08E-06	8.97E-07	1.47E-02	4.65E-06	1.35E-06
5786 489537.25, 3859120.22	7.39E-03	2.33E-06	6.78E-07	7.94E-03	2.51E-06	7.29E-07	1.22E-02	3.85E-06	1.12E-06
5787 489726.98, 3859246.04	6.27E-03	1.98E-06	5.75E-07	6.74E-03	2.13E-06	6.19E-07	1.05E-02	3.30E-06	9.61E-07
5788 489911.46, 3859366.33	5.50E-03	1.73E-06	5.04E-07	5.92E-03	1.87E-06	5.43E-07	9.24E-03	2.92E-06	8.48E-07
5789 490035.3, 3859430.26	5.14E-03	1.62E-06	4.72E-07	5.54E-03	1.75E-06	5.08E-07	8.66E-03	2.73E-06	7.95E-07
5790 490101.11, 3859458.61	5.00E-03	1.58E-06	4.59E-07	5.39E-03	1.70E-06	4.95E-07	8.44E-03	2.66E-06	7.75E-07
5791 490312.68, 3859560.3	4.57E-03	1.44E-06	4.20E-07	4.93E-03	1.56E-06	4.52E-07	7.74E-03	2.44E-06	7.10E-07

5792	490401.63, 3859603.12	4.42E-03	1.39E-06	4.05E-07	4.76E-03	1.50E-06	4.37E-07	7.48E-03	2.36E-06	6.87E-07
5793	490490.57, 3859645.94	4.27E-03	1.35E-06	3.92E-07	4.61E-03	1.45E-06	4.23E-07	7.24E-03	2.29E-06	6.65E-07
5794	490579.51, 3859688.76	4.14E-03	1.31E-06	3.80E-07	4.47E-03	1.41E-06	4.10E-07	7.03E-03	2.22E-06	6.45E-07
5795	490668.45, 3859731.58	4.02E-03	1.27E-06	3.69E-07	4.34E-03	1.37E-06	3.98E-07	6.84E-03	2.16E-06	6.28E-07
5796	490757.4, 3859774.4	3.90E-03	1.23E-06	3.58E-07	4.20E-03	1.33E-06	3.86E-07	6.63E-03	2.09E-06	6.08E-07
5797	491003.53, 3859861.82	3.67E-03	1.16E-06	3.37E-07	3.96E-03	1.25E-06	3.64E-07	6.26E-03	1.98E-06	5.75E-07
5798	491081.41, 3859879.05	3.63E-03	1.15E-06	3.33E-07	3.92E-03	1.24E-06	3.60E-07	6.19E-03	1.95E-06	5.68E-07
5799	491229.76, 3859917.82	3.53E-03	1.12E-06	3.24E-07	3.81E-03	1.20E-06	3.50E-07	6.02E-03	1.90E-06	5.53E-07
5800	491300.22, 3859939.35	3.48E-03	1.10E-06	3.19E-07	3.75E-03	1.18E-06	3.44E-07	5.93E-03	1.87E-06	5.44E-07
5801	491350.49, 3860012.03	3.29E-03	1.04E-06	3.02E-07	3.55E-03	1.12E-06	3.26E-07	5.61E-03	1.77E-06	5.15E-07
5802	491406.82, 3860092.57	3.11E-03	9.81E-07	2.85E-07	3.35E-03	1.06E-06	3.08E-07	5.30E-03	1.67E-06	4.86E-07
5803	491483.37, 3860121.96	3.06E-03	9.65E-07	2.81E-07	3.30E-03	1.04E-06	3.03E-07	5.21E-03	1.64E-06	4.78E-07
5804	491559.91, 3860151.36	3.00E-03	9.48E-07	2.76E-07	3.24E-03	1.02E-06	2.97E-07	5.12E-03	1.62E-06	4.70E-07
5805	491711.81, 3860237.76	2.91E-03	9.20E-07	2.68E-07	3.14E-03	9.93E-07	2.89E-07	4.98E-03	1.57E-06	4.57E-07
5806	491755.2, 3860319.07	2.70E-03	8.51E-07	2.47E-07	2.91E-03	9.18E-07	2.67E-07	4.60E-03	1.45E-06	4.22E-07
5807	491704.71, 3860366.54	2.61E-03	8.23E-07	2.39E-07	2.81E-03	8.88E-07	2.58E-07	4.45E-03	1.40E-06	4.08E-07
5808	491623.43, 3860462.39	2.43E-03	7.66E-07	2.23E-07	2.62E-03	8.27E-07	2.40E-07	4.14E-03	1.31E-06	3.80E-07
5809	491534.02, 3860439.85	2.52E-03	7.94E-07	2.31E-07	2.71E-03	8.56E-07	2.49E-07	4.29E-03	1.35E-06	3.94E-07
5810	491313.95, 3860268.18	2.69E-03	8.50E-07	2.47E-07	2.90E-03	9.17E-07	2.67E-07	4.59E-03	1.45E-06	4.21E-07
5811	491187.12, 3860143.56	2.95E-03	9.30E-07	2.70E-07	3.18E-03	1.00E-06	2.92E-07	5.01E-03	1.58E-06	4.60E-07
5812	491070.43, 3860075.97	3.09E-03	9.75E-07	2.84E-07	3.33E-03	1.05E-06	3.06E-07	5.26E-03	1.66E-06	4.82E-07
5813	490995.09, 3860039.39	3.16E-03	9.99E-07	2.90E-07	3.41E-03	1.08E-06	3.13E-07	5.38E-03	1.70E-06	4.94E-07
5814	490919.75, 3860002.8	3.24E-03	1.02E-06	2.98E-07	3.50E-03	1.10E-06	3.21E-07	5.51E-03	1.74E-06	5.06E-07
5815	490756.81, 3859894.53	3.52E-03	1.11E-06	3.23E-07	3.79E-03	1.20E-06	3.48E-07	5.98E-03	1.89E-06	5.49E-07
5816	490668.07, 3859860.92	3.58E-03	1.13E-06	3.29E-07	3.87E-03	1.22E-06	3.55E-07	6.09E-03	1.92E-06	5.59E-07
5817	490579.34, 3859827.3	3.66E-03	1.16E-06	3.36E-07	3.95E-03	1.25E-06	3.63E-07	6.22E-03	1.96E-06	5.71E-07
5818	490490.6, 3859793.68	3.74E-03	1.18E-06	3.43E-07	4.03E-03	1.27E-06	3.70E-07	6.34E-03	2.00E-06	5.82E-07
5819	490401.86, 3859760.07	3.81E-03	1.20E-06	3.50E-07	4.11E-03	1.30E-06	3.77E-07	6.46E-03	2.04E-06	5.93E-07
5820	490313.12, 3859726.45	3.90E-03	1.23E-06	3.58E-07	4.21E-03	1.33E-06	3.86E-07	6.61E-03	2.09E-06	6.07E-07
5821	490224.39, 3859692.83	4.00E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.96E-07	6.77E-03	2.14E-06	6.21E-07
5822	490135.65, 3859659.22	4.11E-03	1.30E-06	3.77E-07	4.43E-03	1.40E-06	4.06E-07	6.95E-03	2.19E-06	6.38E-07
5823	489918.19, 3859559.23	4.47E-03	1.41E-06	4.10E-07	4.81E-03	1.52E-06	4.42E-07	7.54E-03	2.38E-06	6.92E-07
5824	489743.61, 3859486	4.75E-03	1.50E-06	4.37E-07	5.12E-03	1.62E-06	4.70E-07	8.01E-03	2.53E-06	7.36E-07
5825	489660.32, 3859440.27	4.96E-03	1.57E-06	4.56E-07	5.34E-03	1.69E-06	4.91E-07	8.35E-03	2.64E-06	7.67E-07
5826	489577.04, 3859394.53	5.19E-03	1.64E-06	4.77E-07	5.59E-03	1.76E-06	5.13E-07	8.72E-03	2.75E-06	8.01E-07
5827	489493.75, 3859348.8	5.44E-03	1.72E-06	5.00E-07	5.86E-03	1.85E-06	5.38E-07	9.12E-03	2.88E-06	8.37E-07
5828	489321.28, 3859240.02	6.18E-03	1.95E-06	5.67E-07	6.64E-03	2.10E-06	6.10E-07	1.03E-02	3.24E-06	9.43E-07
5829	489235.41, 3859193.96	6.57E-03	2.07E-06	6.03E-07	7.06E-03	2.23E-06	6.48E-07	1.09E-02	3.43E-06	9.98E-07
5830	489149.54, 3859147.89	7.00E-03	2.21E-06	6.43E-07	7.52E-03	2.37E-06	6.90E-07	1.15E-02	3.63E-06	1.06E-06
5831	489063.68, 3859101.82	7.55E-03	2.38E-06	6.93E-07	8.10E-03	2.56E-06	7.44E-07	1.23E-02	3.88E-06	1.13E-06
5832	488977.81, 3859055.75	8.26E-03	2.61E-06	7.58E-07	8.85E-03	2.79E-06	8.12E-07	1.33E-02	4.19E-06	1.22E-06
5833	488891.94, 3859009.69	9.20E-03	2.90E-06	8.45E-07	9.84E-03	3.10E-06	9.03E-07	1.45E-02	4.58E-06	1.33E-06
5834	488808, 3859060.73	8.13E-03	2.57E-06	7.47E-07	8.72E-03	2.75E-06	8.00E-07	1.31E-02	4.14E-06	1.20E-06
5835	488809.93, 3859157.85	6.98E-03	2.20E-06	6.41E-07	7.50E-03	2.37E-06	6.88E-07	1.15E-02	3.62E-06	1.05E-06
5836	488811.86, 3859254.96	6.20E-03	1.96E-06	5.69E-07	6.67E-03	2.11E-06	6.12E-07	1.03E-02	3.25E-06	9.47E-07
5837	488813.78, 3859352.07	5.61E-03	1.77E-06	5.15E-07	6.03E-03	1.90E-06	5.54E-07	9.37E-03	2.96E-06	8.60E-07
5838	488815.71, 3859449.19	5.13E-03	1.62E-06	4.71E-07	5.52E-03	1.74E-06	5.07E-07	8.60E-03	2.72E-06	7.90E-07
5839	488910.04, 3859547.11	4.71E-03	1.49E-06	4.32E-07	5.07E-03	1.60E-06	4.65E-07	7.92E-03	2.50E-06	7.27E-07
5840	489002.45, 3859547.91	4.70E-03	1.48E-06	4.31E-07	5.06E-03	1.60E-06	4.64E-07	7.91E-03	2.50E-06	7.26E-07
5841	489094.85, 3859548.72	4.68E-03	1.48E-06	4.29E-07	5.04E-03	1.59E-06	4.62E-07	7.88E-03	2.49E-06	7.23E-07
5842	489230.05, 3859601.87	4.45E-03	1.40E-06	4.08E-07	4.79E-03	1.51E-06	4.40E-07	7.51E-03	2.37E-06	6.89E-07
5843	489227.52, 3859680.89	4.21E-03	1.33E-06	3.86E-07	4.54E-03	1.43E-06	4.16E-07	7.11E-03	2.25E-06	6.53E-07
5844	489133.47, 3859760.29	4.00E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.95E-07	6.76E-03	2.13E-06	6.21E-07
5845	489041.96, 3859760.67	4.00E-03	1.26E-06	3.67E-07	4.31E-03	1.36E-06	3.96E-07	6.76E-03	2.13E-06	6.20E-07
5846	488950.45, 3859761.05	3.99E-03	1.26E-06	3.66E-07	4.30E-03	1.36E-06	3.94E-07	6.74E-03	2.13E-06	6.18E-07
5847	488858.94, 3859761.43	3.97E-03	1.25E-06	3.65E-07	4.28E-03	1.35E-06	3.93E-07	6.71E-03	2.12E-06	6.16E-07
5848	488767.43, 3859761.82	3.94E-03	1.24E-06	3.62E-07	4.25E-03	1.34E-06	3.90E-07	6.65E-03	2.10E-06	6.10E-07
5849	488675.92, 3859762.2	3.92E-03	1.24E-06	3.60E-07	4.22E-03	1.33E-06	3.87E-07	6.60E-03	2.08E-06	6.06E-07
5850	488584.41, 3859762.58	3.88E-03	1.23E-06	3.56E-07	4.18E-03	1.32E-06	3.84E-07	6.53E-03	2.06E-06	6.00E-07
5851	488492.9, 3859762.96	3.85E-03	1.22E-06	3.54E-07	4.15E-03	1.31E-06	3.81E-07	6.48E-03	2.05E-06	5.95E-07
5852	488402.76, 3859830.95	3.64E-03	1.15E-06	3.34E-07	3.92E-03	1.24E-06	3.60E-07	6.13E-03	1.93E-06	5.62E-07

5853 488404.14, 3859898.55	3.46E-03	1.09E-06	3.18E-07	3.73E-03	1.18E-06	3.42E-07	5.82E-03	1.84E-06	5.35E-07
5854 488505.18, 3859964.96	3.33E-03	1.05E-06	3.06E-07	3.59E-03	1.13E-06	3.29E-07	5.61E-03	1.77E-06	5.15E-07
5855 488604.85, 3859963.76	3.35E-03	1.06E-06	3.08E-07	3.61E-03	1.14E-06	3.32E-07	5.66E-03	1.79E-06	5.19E-07
5856 488704.51, 3859962.56	3.38E-03	1.07E-06	3.11E-07	3.65E-03	1.15E-06	3.35E-07	5.71E-03	1.80E-06	5.24E-07
5857 488804.18, 3859961.37	3.42E-03	1.08E-06	3.14E-07	3.68E-03	1.16E-06	3.38E-07	5.77E-03	1.82E-06	5.30E-07
5858 488903.85, 3859960.17	3.45E-03	1.09E-06	3.17E-07	3.72E-03	1.17E-06	3.41E-07	5.83E-03	1.84E-06	5.36E-07
5859 489003.52, 3859958.97	3.47E-03	1.10E-06	3.19E-07	3.74E-03	1.18E-06	3.44E-07	5.88E-03	1.86E-06	5.40E-07
5860 489103.18, 3859957.77	3.49E-03	1.10E-06	3.20E-07	3.76E-03	1.19E-06	3.45E-07	5.91E-03	1.87E-06	5.43E-07
5861 489201.48, 3860046.59	3.31E-03	1.04E-06	3.04E-07	3.57E-03	1.13E-06	3.27E-07	5.61E-03	1.77E-06	5.15E-07
5862 489200.11, 3860136.61	3.12E-03	9.85E-07	2.86E-07	3.36E-03	1.06E-06	3.09E-07	5.29E-03	1.67E-06	4.86E-07
5863 489198.74, 3860226.63	2.95E-03	9.31E-07	2.71E-07	3.18E-03	1.00E-06	2.92E-07	5.00E-03	1.58E-06	4.59E-07
5864 489197.38, 3860316.66	2.79E-03	8.80E-07	2.56E-07	3.01E-03	9.49E-07	2.76E-07	4.73E-03	1.49E-06	4.34E-07
5865 489196.01, 3860406.68	2.64E-03	8.35E-07	2.43E-07	2.85E-03	9.00E-07	2.62E-07	4.48E-03	1.42E-06	4.12E-07
5866 489194.64, 3860496.7	2.50E-03	7.90E-07	2.30E-07	2.70E-03	8.52E-07	2.48E-07	4.24E-03	1.34E-06	3.90E-07
5867 489193.27, 3860586.72	2.38E-03	7.52E-07	2.19E-07	2.57E-03	8.11E-07	2.36E-07	4.04E-03	1.27E-06	3.71E-07
5868 489092.02, 3860678.13	2.25E-03	7.11E-07	2.07E-07	2.43E-03	7.66E-07	2.23E-07	3.82E-03	1.20E-06	3.50E-07
5869 488992.13, 3860679.53	2.24E-03	7.06E-07	2.05E-07	2.41E-03	7.61E-07	2.21E-07	3.79E-03	1.20E-06	3.48E-07
5870 488892.25, 3860680.92	2.23E-03	7.03E-07	2.04E-07	2.40E-03	7.57E-07	2.20E-07	3.77E-03	1.19E-06	3.46E-07
5871 488792.36, 3860682.31	2.21E-03	6.99E-07	2.03E-07	2.39E-03	7.53E-07	2.19E-07	3.75E-03	1.18E-06	3.44E-07
5872 488692.48, 3860683.7	2.21E-03	6.97E-07	2.03E-07	2.38E-03	7.51E-07	2.18E-07	3.73E-03	1.18E-06	3.43E-07
5873 488592.59, 3860685.1	2.19E-03	6.92E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.71E-03	1.17E-06	3.40E-07
5874 488492.71, 3860686.49	2.19E-03	6.92E-07	2.01E-07	2.36E-03	7.45E-07	2.17E-07	3.70E-03	1.17E-06	3.40E-07
5875 488299.07, 3860762.18	2.13E-03	6.72E-07	1.95E-07	2.29E-03	7.24E-07	2.11E-07	3.59E-03	1.13E-06	3.30E-07
5876 488205.32, 3860764.09	2.11E-03	6.66E-07	1.94E-07	2.27E-03	7.17E-07	2.09E-07	3.56E-03	1.12E-06	3.27E-07
5877 488111.56, 3860766	2.08E-03	6.58E-07	1.91E-07	2.25E-03	7.09E-07	2.06E-07	3.51E-03	1.11E-06	3.23E-07
5878 488017.81, 3860767.91	2.06E-03	6.51E-07	1.89E-07	2.22E-03	7.01E-07	2.04E-07	3.47E-03	1.10E-06	3.19E-07
5879 487924.06, 3860769.81	2.05E-03	6.45E-07	1.88E-07	2.20E-03	6.95E-07	2.02E-07	3.44E-03	1.09E-06	3.16E-07
5880 487830.31, 3860771.72	2.03E-03	6.42E-07	1.87E-07	2.19E-03	6.91E-07	2.01E-07	3.42E-03	1.08E-06	3.14E-07
5881 487736.55, 3860773.63	2.03E-03	6.40E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.41E-03	1.08E-06	3.13E-07
5882 487642.8, 3860775.54	2.03E-03	6.40E-07	1.86E-07	2.18E-03	6.89E-07	2.00E-07	3.41E-03	1.08E-06	3.13E-07
5883 487549.48, 3860684.71	2.12E-03	6.70E-07	1.95E-07	2.29E-03	7.22E-07	2.10E-07	3.57E-03	1.13E-06	3.28E-07
5884 487549.91, 3860591.97	2.21E-03	6.97E-07	2.03E-07	2.38E-03	7.51E-07	2.18E-07	3.72E-03	1.17E-06	3.41E-07
5885 487550.34, 3860499.23	2.31E-03	7.30E-07	2.12E-07	2.49E-03	7.87E-07	2.29E-07	3.89E-03	1.23E-06	3.57E-07
5886 487550.76, 3860406.49	2.43E-03	7.68E-07	2.23E-07	2.62E-03	8.27E-07	2.40E-07	4.09E-03	1.29E-06	3.75E-07
5887 487551.19, 3860313.75	2.55E-03	8.05E-07	2.34E-07	2.75E-03	8.67E-07	2.52E-07	4.29E-03	1.35E-06	3.94E-07
5888 487551.62, 3860221.01	2.69E-03	8.48E-07	2.47E-07	2.89E-03	9.13E-07	2.66E-07	4.52E-03	1.43E-06	4.15E-07
5889 487552.05, 3860128.27	2.85E-03	9.00E-07	2.62E-07	3.07E-03	9.69E-07	2.82E-07	4.79E-03	1.51E-06	4.40E-07
5890 487552.48, 3860035.53	3.02E-03	9.55E-07	2.78E-07	3.26E-03	1.03E-06	2.99E-07	5.08E-03	1.60E-06	4.67E-07
5891 487552.91, 3859942.79	3.19E-03	1.01E-06	2.93E-07	3.43E-03	1.08E-06	3.15E-07	5.36E-03	1.69E-06	4.92E-07
5892 487553.33, 3859850.05	3.40E-03	1.07E-06	3.13E-07	3.67E-03	1.16E-06	3.37E-07	5.72E-03	1.80E-06	5.25E-07
5893 487553.76, 3859757.31	3.62E-03	1.14E-06	3.33E-07	3.90E-03	1.23E-06	3.58E-07	6.08E-03	1.92E-06	5.58E-07
5894 487554.19, 3859664.57	3.87E-03	1.22E-06	3.55E-07	4.16E-03	1.31E-06	3.82E-07	6.49E-03	2.05E-06	5.96E-07
5895 487460.2, 3859571.05	4.12E-03	1.30E-06	3.78E-07	4.44E-03	1.40E-06	4.07E-07	6.91E-03	2.18E-06	6.34E-07
5896 487365.78, 3859570.27	4.11E-03	1.30E-06	3.77E-07	4.42E-03	1.40E-06	4.06E-07	6.90E-03	2.18E-06	6.33E-07
5897 487271.36, 3859569.48	4.09E-03	1.29E-06	3.76E-07	4.41E-03	1.39E-06	4.05E-07	6.87E-03	2.17E-06	6.31E-07
5898 487176.94, 3859568.7	4.07E-03	1.29E-06	3.74E-07	4.39E-03	1.38E-06	4.03E-07	6.84E-03	2.16E-06	6.28E-07
5899 487082.51, 3859567.92	4.06E-03	1.28E-06	3.72E-07	4.37E-03	1.38E-06	4.01E-07	6.81E-03	2.15E-06	6.26E-07
5900 486988.09, 3859567.14	4.03E-03	1.27E-06	3.70E-07	4.34E-03	1.37E-06	3.99E-07	6.78E-03	2.14E-06	6.22E-07
5901 486893.67, 3859566.36	4.01E-03	1.26E-06	3.68E-07	4.32E-03	1.36E-06	3.96E-07	6.74E-03	2.13E-06	6.18E-07
5902 486799.25, 3859565.58	3.98E-03	1.26E-06	3.65E-07	4.28E-03	1.35E-06	3.93E-07	6.69E-03	2.11E-06	6.14E-07
5903 486704.83, 3859564.79	3.95E-03	1.25E-06	3.63E-07	4.25E-03	1.34E-06	3.90E-07	6.64E-03	2.10E-06	6.10E-07
5904 486610.41, 3859564.01	3.92E-03	1.24E-06	3.60E-07	4.22E-03	1.33E-06	3.88E-07	6.60E-03	2.08E-06	6.06E-07
5905 486515.99, 3859563.23	3.88E-03	1.22E-06	3.56E-07	4.18E-03	1.32E-06	3.84E-07	6.53E-03	2.06E-06	5.99E-07
5906 486421.57, 3859562.45	3.85E-03	1.21E-06	3.53E-07	4.14E-03	1.31E-06	3.80E-07	6.47E-03	2.04E-06	5.94E-07
5907 486327.14, 3859561.67	3.82E-03	1.21E-06	3.51E-07	4.11E-03	1.30E-06	3.78E-07	6.43E-03	2.03E-06	5.90E-07
5908 486232.72, 3859560.89	3.78E-03	1.19E-06	3.47E-07	4.07E-03	1.28E-06	3.74E-07	6.36E-03	2.01E-06	5.84E-07
5909 486138.3, 3859560.1	3.75E-03	1.18E-06	3.44E-07	4.03E-03	1.27E-06	3.70E-07	6.31E-03	1.99E-06	5.79E-07
5910 486043.88, 3859559.32	3.71E-03	1.17E-06	3.40E-07	3.99E-03	1.26E-06	3.67E-07	6.25E-03	1.97E-06	5.74E-07
5911 485949.35, 3859463.54	3.89E-03	1.23E-06	3.57E-07	4.19E-03	1.32E-06	3.85E-07	6.56E-03	2.07E-06	6.02E-07
5912 485949.24, 3859368.55	4.13E-03	1.30E-06	3.79E-07	4.45E-03	1.40E-06	4.09E-07	6.97E-03	2.20E-06	6.40E-07
5913 485949.12, 3859273.55	4.40E-03	1.39E-06	4.04E-07	4.74E-03	1.50E-06	4.35E-07	7.42E-03	2.34E-06	6.81E-07

5914 485949.01, 3859178.56	4.69E-03	1.48E-06	4.31E-07	5.05E-03	1.60E-06	4.64E-07	7.91E-03	2.50E-06	7.26E-07
5915 485948.9, 3859083.56	5.02E-03	1.59E-06	4.61E-07	5.41E-03	1.71E-06	4.97E-07	8.47E-03	2.67E-06	7.78E-07
5916 485948.79, 3858988.56	5.36E-03	1.69E-06	4.92E-07	5.78E-03	1.82E-06	5.30E-07	9.04E-03	2.85E-06	8.30E-07
5917 485948.67, 3858893.57	5.73E-03	1.81E-06	5.26E-07	6.17E-03	1.95E-06	5.67E-07	9.66E-03	3.05E-06	8.87E-07
5918 485948.56, 3858798.57	6.17E-03	1.95E-06	5.66E-07	6.64E-03	2.10E-06	6.10E-07	1.04E-02	3.28E-06	9.54E-07
5919 485948.45, 3858703.58	6.59E-03	2.08E-06	6.05E-07	7.09E-03	2.24E-06	6.51E-07	1.11E-02	3.50E-06	1.02E-06
5920 485948.34, 3858608.58	7.10E-03	2.24E-06	6.52E-07	7.65E-03	2.42E-06	7.03E-07	1.20E-02	3.78E-06	1.10E-06
5921 485948.22, 3858513.59	7.68E-03	2.42E-06	7.05E-07	8.27E-03	2.61E-06	7.59E-07	1.29E-02	4.08E-06	1.19E-06
5922 485948.11, 3858418.59	8.30E-03	2.62E-06	7.62E-07	8.94E-03	2.82E-06	8.21E-07	1.40E-02	4.41E-06	1.28E-06
5923 485948, 3858323.59	9.06E-03	2.86E-06	8.31E-07	9.75E-03	3.08E-06	8.95E-07	1.52E-02	4.81E-06	1.40E-06
5924 485947.89, 3858228.6	9.85E-03	3.11E-06	9.04E-07	1.06E-02	3.35E-06	9.74E-07	1.66E-02	5.23E-06	1.52E-06
5925 485947.77, 3858133.6	1.08E-02	3.39E-06	9.87E-07	1.16E-02	3.66E-06	1.06E-06	1.81E-02	5.71E-06	1.66E-06
5926 485947.66, 3858038.61	1.20E-02	3.78E-06	1.10E-06	1.29E-02	4.08E-06	1.19E-06	2.02E-02	6.36E-06	1.85E-06
5927 485854.54, 3857943.35	1.24E-02	3.92E-06	1.14E-06	1.34E-02	4.22E-06	1.23E-06	2.09E-02	6.59E-06	1.92E-06
5928 485761.52, 3857943.09	1.18E-02	3.71E-06	1.08E-06	1.27E-02	4.00E-06	1.16E-06	1.98E-02	6.24E-06	1.81E-06
5929 485668.51, 3857942.83	1.12E-02	3.54E-06	1.03E-06	1.21E-02	3.81E-06	1.11E-06	1.88E-02	5.95E-06	1.73E-06
5930 485575.5, 3857942.56	1.06E-02	3.36E-06	9.77E-07	1.15E-02	3.62E-06	1.05E-06	1.79E-02	5.65E-06	1.64E-06
5931 485482.48, 3857942.3	1.02E-02	3.21E-06	9.35E-07	1.10E-02	3.46E-06	1.01E-06	1.71E-02	5.40E-06	1.57E-06
5932 485389.47, 3857942.04	9.75E-03	3.08E-06	8.95E-07	1.05E-02	3.31E-06	9.64E-07	1.64E-02	5.18E-06	1.51E-06
5933 485296.46, 3857941.78	9.35E-03	2.95E-06	8.58E-07	1.01E-02	3.18E-06	9.24E-07	1.57E-02	4.97E-06	1.44E-06
5934 485203.45, 3857941.52	9.02E-03	2.85E-06	8.28E-07	9.72E-03	3.07E-06	8.92E-07	1.52E-02	4.79E-06	1.39E-06
5935 485110.43, 3857941.26	8.66E-03	2.73E-06	7.95E-07	9.33E-03	2.94E-06	8.56E-07	1.46E-02	4.60E-06	1.34E-06
5936 485017.42, 3857940.99	8.31E-03	2.62E-06	7.63E-07	8.95E-03	2.82E-06	8.21E-07	1.40E-02	4.42E-06	1.28E-06
5937 484924.41, 3857940.73	7.98E-03	2.52E-06	7.32E-07	8.59E-03	2.71E-06	7.89E-07	1.34E-02	4.24E-06	1.23E-06
5938 484831.39, 3857940.47	7.70E-03	2.43E-06	7.06E-07	8.29E-03	2.62E-06	7.61E-07	1.30E-02	4.09E-06	1.19E-06
5939 484738.12, 3857859.3	7.79E-03	2.46E-06	7.15E-07	8.39E-03	2.65E-06	7.71E-07	1.31E-02	4.14E-06	1.21E-06
5940 484737.85, 3857778.4	8.22E-03	2.59E-06	7.54E-07	8.85E-03	2.79E-06	8.13E-07	1.38E-02	4.37E-06	1.27E-06
5941 484737.59, 3857697.49	8.66E-03	2.73E-06	7.95E-07	9.33E-03	2.94E-06	8.57E-07	1.46E-02	4.61E-06	1.34E-06
5942 484737.32, 3857616.59	9.11E-03	2.88E-06	8.37E-07	9.82E-03	3.10E-06	9.01E-07	1.53E-02	4.84E-06	1.41E-06
5943 484645.53, 3857535.18	9.23E-03	2.91E-06	8.47E-07	9.94E-03	3.14E-06	9.13E-07	1.55E-02	4.91E-06	1.43E-06
5944 484553.99, 3857534.67	8.84E-03	2.79E-06	8.12E-07	9.52E-03	3.01E-06	8.74E-07	1.49E-02	4.70E-06	1.37E-06
5945 484462.46, 3857534.17	8.51E-03	2.69E-06	7.82E-07	9.17E-03	2.89E-06	8.42E-07	1.43E-02	4.53E-06	1.32E-06
5946 484370.93, 3857533.66	8.19E-03	2.59E-06	7.52E-07	8.83E-03	2.79E-06	8.10E-07	1.38E-02	4.36E-06	1.27E-06
5947 484279.4, 3857533.16	7.90E-03	2.49E-06	7.25E-07	8.51E-03	2.69E-06	7.82E-07	1.33E-02	4.21E-06	1.22E-06
5948 484187.86, 3857532.65	7.62E-03	2.40E-06	6.99E-07	8.20E-03	2.59E-06	7.53E-07	1.29E-02	4.06E-06	1.18E-06
5949 484096.33, 3857532.15	7.36E-03	2.32E-06	6.76E-07	7.93E-03	2.50E-06	7.28E-07	1.24E-02	3.92E-06	1.14E-06
5950 484004.8, 3857531.64	7.10E-03	2.24E-06	6.52E-07	7.65E-03	2.41E-06	7.02E-07	1.20E-02	3.78E-06	1.10E-06
5951 483913.27, 3857531.14	6.82E-03	2.15E-06	6.27E-07	7.35E-03	2.32E-06	6.75E-07	1.15E-02	3.64E-06	1.06E-06
5952 483821.73, 3857530.63	6.59E-03	2.08E-06	6.05E-07	7.10E-03	2.24E-06	6.52E-07	1.11E-02	3.51E-06	1.02E-06
5953 483729.61, 3857450.11	6.62E-03	2.09E-06	6.07E-07	7.13E-03	2.25E-06	6.54E-07	1.12E-02	3.53E-06	1.03E-06
5954 483729.03, 3857370.08	6.92E-03	2.18E-06	6.35E-07	7.45E-03	2.35E-06	6.84E-07	1.17E-02	3.69E-06	1.07E-06
5955 483728.44, 3857290.06	7.20E-03	2.27E-06	6.61E-07	7.76E-03	2.45E-06	7.12E-07	1.22E-02	3.84E-06	1.12E-06
5956 483727.86, 3857210.03	7.49E-03	2.36E-06	6.87E-07	8.07E-03	2.55E-06	7.41E-07	1.27E-02	3.99E-06	1.16E-06
5957 483641.15, 3857129.07	7.53E-03	2.38E-06	6.92E-07	8.12E-03	2.56E-06	7.45E-07	1.27E-02	4.02E-06	1.17E-06
5958 483555.03, 3857128.14	7.27E-03	2.29E-06	6.67E-07	7.83E-03	2.47E-06	7.19E-07	1.23E-02	3.88E-06	1.13E-06
5959 483468.91, 3857127.2	6.97E-03	2.20E-06	6.40E-07	7.51E-03	2.37E-06	6.90E-07	1.18E-02	3.72E-06	1.08E-06
5960 483382.78, 3857126.26	6.76E-03	2.13E-06	6.21E-07	7.29E-03	2.30E-06	6.69E-07	1.14E-02	3.61E-06	1.05E-06
5961 483296.66, 3857125.32	6.53E-03	2.06E-06	5.99E-07	7.04E-03	2.22E-06	6.46E-07	1.11E-02	3.49E-06	1.01E-06
5962 483210.54, 3857124.39	6.30E-03	1.99E-06	5.78E-07	6.79E-03	2.14E-06	6.23E-07	1.07E-02	3.37E-06	9.80E-07
5963 483123.4, 3857030.96	6.33E-03	2.00E-06	5.81E-07	6.83E-03	2.15E-06	6.27E-07	1.07E-02	3.39E-06	9.85E-07
5964 483122.38, 3856938.46	6.61E-03	2.09E-06	6.07E-07	7.13E-03	2.25E-06	6.54E-07	1.12E-02	3.54E-06	1.03E-06
5965 483121.35, 3856845.97	6.90E-03	2.18E-06	6.34E-07	7.44E-03	2.35E-06	6.83E-07	1.17E-02	3.69E-06	1.07E-06
5966 483120.33, 3856753.47	7.15E-03	2.26E-06	6.57E-07	7.71E-03	2.43E-06	7.08E-07	1.21E-02	3.83E-06	1.11E-06
5967 483119.31, 3856660.98	7.41E-03	2.34E-06	6.81E-07	7.99E-03	2.52E-06	7.34E-07	1.26E-02	3.97E-06	1.15E-06
5968 483118.29, 3856568.49	7.71E-03	2.43E-06	7.08E-07	8.32E-03	2.62E-06	7.63E-07	1.31E-02	4.13E-06	1.20E-06
5969 483117.26, 3856475.99	8.05E-03	2.54E-06	7.39E-07	8.68E-03	2.74E-06	7.97E-07	1.37E-02	4.31E-06	1.25E-06
5970 483116.24, 3856383.5	8.38E-03	2.64E-06	7.69E-07	9.03E-03	2.85E-06	8.29E-07	1.42E-02	4.49E-06	1.30E-06
5971 483115.22, 3856291.01	8.74E-03	2.76E-06	8.02E-07	9.42E-03	2.97E-06	8.65E-07	1.48E-02	4.68E-06	1.36E-06
5972 483114.2, 3856198.51	9.08E-03	2.87E-06	8.34E-07	9.79E-03	3.09E-06	8.99E-07	1.54E-02	4.87E-06	1.42E-06
5973 483113.17, 3856106.02	9.55E-03	3.02E-06	8.77E-07	1.03E-02	3.25E-06	9.46E-07	1.62E-02	5.12E-06	1.49E-06
5974 483112.15, 3856013.52	9.99E-03	3.15E-06	9.17E-07	1.08E-02	3.40E-06	9.89E-07	1.70E-02	5.36E-06	1.56E-06

5975	483029.25, 3855920.47	1.00E-02	3.16E-06	9.18E-07	1.08E-02	3.40E-06	9.90E-07	1.70E-02	5.37E-06	1.56E-06
5976	482947.37, 3855919.91	9.50E-03	3.00E-06	8.72E-07	1.02E-02	3.23E-06	9.40E-07	1.62E-02	5.10E-06	1.48E-06
5977	482865.49, 3855919.36	9.01E-03	2.84E-06	8.27E-07	9.72E-03	3.07E-06	8.92E-07	1.54E-02	4.85E-06	1.41E-06
5978	482783.61, 3855918.8	8.60E-03	2.72E-06	7.90E-07	9.28E-03	2.93E-06	8.52E-07	1.47E-02	4.63E-06	1.35E-06
5979	482700.33, 3855818.39	8.53E-03	2.69E-06	7.83E-07	9.20E-03	2.90E-06	8.45E-07	1.46E-02	4.59E-06	1.34E-06
5980	482698.92, 3855718.54	8.94E-03	2.82E-06	8.20E-07	9.64E-03	3.04E-06	8.85E-07	1.53E-02	4.82E-06	1.40E-06
5981	482697.52, 3855618.68	9.32E-03	2.94E-06	8.56E-07	1.01E-02	3.18E-06	9.24E-07	1.59E-02	5.03E-06	1.46E-06
5982	482696.11, 3855518.83	9.82E-03	3.10E-06	9.02E-07	1.06E-02	3.34E-06	9.73E-07	1.68E-02	5.31E-06	1.54E-06
5983	482694.71, 3855418.98	1.03E-02	3.24E-06	9.43E-07	1.11E-02	3.50E-06	1.02E-06	1.76E-02	5.56E-06	1.62E-06
5984	482693.3, 3855319.13	1.08E-02	3.40E-06	9.89E-07	1.16E-02	3.67E-06	1.07E-06	1.85E-02	5.84E-06	1.70E-06
5985	482691.9, 3855219.27	1.14E-02	3.59E-06	1.04E-06	1.23E-02	3.88E-06	1.13E-06	1.96E-02	6.18E-06	1.80E-06
5986	482690.49, 3855119.42	1.20E-02	3.78E-06	1.10E-06	1.29E-02	4.08E-06	1.19E-06	2.07E-02	6.52E-06	1.90E-06
5987	482689.09, 3855019.57	1.29E-02	4.06E-06	1.18E-06	1.39E-02	4.38E-06	1.28E-06	2.23E-02	7.02E-06	2.04E-06
5988	482687.68, 3854919.72	1.36E-02	4.30E-06	1.25E-06	1.47E-02	4.65E-06	1.35E-06	2.37E-02	7.47E-06	2.17E-06
5989	482686.28, 3854819.86	1.46E-02	4.61E-06	1.34E-06	1.58E-02	4.99E-06	1.45E-06	2.55E-02	8.04E-06	2.34E-06
5990	482684.88, 3854720.01	1.54E-02	4.85E-06	1.41E-06	1.66E-02	5.25E-06	1.53E-06	2.69E-02	8.49E-06	2.47E-06
5991	482683.47, 3854620.16	1.63E-02	5.15E-06	1.50E-06	1.77E-02	5.57E-06	1.62E-06	2.87E-02	9.06E-06	2.63E-06
5992	482682.07, 3854520.31	1.67E-02	5.26E-06	1.53E-06	1.81E-02	5.70E-06	1.66E-06	2.95E-02	9.30E-06	2.70E-06
5993	482680.66, 3854420.45	1.65E-02	5.20E-06	1.51E-06	1.79E-02	5.64E-06	1.64E-06	2.92E-02	9.22E-06	2.68E-06
5994	482679.26, 3854320.6	1.58E-02	4.98E-06	1.45E-06	1.71E-02	5.40E-06	1.57E-06	2.81E-02	8.87E-06	2.58E-06
5995	482677.85, 3854220.75	1.53E-02	4.83E-06	1.40E-06	1.66E-02	5.23E-06	1.52E-06	2.72E-02	8.59E-06	2.50E-06
5996	482676.45, 3854120.9	1.38E-02	4.35E-06	1.26E-06	1.49E-02	4.71E-06	1.37E-06	2.44E-02	7.71E-06	2.24E-06
5997	482675.04, 3854021.04	1.23E-02	3.89E-06	1.13E-06	1.33E-02	4.21E-06	1.22E-06	2.17E-02	6.84E-06	1.99E-06
5998	482673.64, 3853921.19	1.07E-02	3.39E-06	9.86E-07	1.16E-02	3.66E-06	1.07E-06	1.86E-02	5.87E-06	1.71E-06
5999	482672.23, 3853821.34	9.36E-03	2.95E-06	8.59E-07	1.01E-02	3.18E-06	9.26E-07	1.58E-02	4.99E-06	1.45E-06
6000	482670.83, 3853721.49	7.86E-03	2.48E-06	7.22E-07	8.43E-03	2.66E-06	7.74E-07	1.28E-02	4.05E-06	1.18E-06
6001	482669.42, 3853621.63	6.48E-03	2.04E-06	5.95E-07	6.92E-03	2.18E-06	6.35E-07	1.02E-02	3.22E-06	9.35E-07
6002	482645.99, 3853446.13	4.47E-03	1.41E-06	4.10E-07	4.78E-03	1.51E-06	4.39E-07	7.10E-03	2.24E-06	6.51E-07
6003	482623.97, 3853370.49	3.80E-03	1.20E-06	3.49E-07	4.08E-03	1.29E-06	3.74E-07	6.17E-03	1.95E-06	5.67E-07
6004	482601.94, 3853294.84	3.36E-03	1.06E-06	3.09E-07	3.61E-03	1.14E-06	3.32E-07	5.53E-03	1.75E-06	5.08E-07
6005	482531.29, 3853133.44	2.78E-03	8.78E-07	2.55E-07	2.99E-03	9.44E-07	2.75E-07	4.63E-03	1.46E-06	4.25E-07
6006	482482.68, 3853047.69	2.57E-03	8.12E-07	2.36E-07	2.77E-03	8.73E-07	2.54E-07	4.30E-03	1.36E-06	3.94E-07
6007	482383.09, 3852897.4	2.28E-03	7.19E-07	2.09E-07	2.45E-03	7.74E-07	2.25E-07	3.82E-03	1.21E-06	3.51E-07
6008	482265.64, 3852765.26	2.09E-03	6.59E-07	1.92E-07	2.25E-03	7.10E-07	2.07E-07	3.51E-03	1.11E-06	3.22E-07
6009	482199.16, 3852697.66	2.01E-03	6.34E-07	1.84E-07	2.16E-03	6.83E-07	1.99E-07	3.38E-03	1.07E-06	3.10E-07
6010	482132.69, 3852630.07	1.93E-03	6.10E-07	1.77E-07	2.08E-03	6.57E-07	1.91E-07	3.25E-03	1.03E-06	2.99E-07
6011	482066.21, 3852562.48	1.86E-03	5.88E-07	1.71E-07	2.01E-03	6.33E-07	1.84E-07	3.14E-03	9.90E-07	2.88E-07
6012	481999.74, 3852494.89	1.80E-03	5.67E-07	1.65E-07	1.93E-03	6.10E-07	1.77E-07	3.02E-03	9.54E-07	2.78E-07
6013	481933.26, 3852427.29	1.73E-03	5.47E-07	1.59E-07	1.87E-03	5.89E-07	1.71E-07	2.92E-03	9.21E-07	2.68E-07
6014	481866.79, 3852359.7	1.67E-03	5.28E-07	1.54E-07	1.80E-03	5.69E-07	1.65E-07	2.82E-03	8.90E-07	2.59E-07
6015	481800.31, 3852292.11	1.62E-03	5.10E-07	1.48E-07	1.74E-03	5.49E-07	1.60E-07	2.72E-03	8.60E-07	2.50E-07
6016	481733.84, 3852224.52	1.56E-03	4.93E-07	1.43E-07	1.68E-03	5.31E-07	1.54E-07	2.63E-03	8.32E-07	2.42E-07
6017	481667.36, 3852156.92	1.51E-03	4.76E-07	1.39E-07	1.63E-03	5.13E-07	1.49E-07	2.55E-03	8.04E-07	2.34E-07
6018	481600.89, 3852089.33	1.46E-03	4.62E-07	1.34E-07	1.58E-03	4.97E-07	1.45E-07	2.47E-03	7.79E-07	2.27E-07
6019	481534.41, 3852021.74	1.42E-03	4.48E-07	1.30E-07	1.53E-03	4.83E-07	1.40E-07	2.40E-03	7.57E-07	2.20E-07
6020	481467.94, 3851954.15	1.38E-03	4.35E-07	1.27E-07	1.49E-03	4.69E-07	1.36E-07	2.33E-03	7.35E-07	2.14E-07
6021	481401.46, 3851886.55	1.34E-03	4.22E-07	1.23E-07	1.44E-03	4.55E-07	1.32E-07	2.26E-03	7.13E-07	2.07E-07
6022	481265.87, 3851761.43	1.27E-03	4.01E-07	1.17E-07	1.37E-03	4.33E-07	1.26E-07	2.15E-03	6.78E-07	1.97E-07
6023	481196.74, 3851703.89	1.24E-03	3.93E-07	1.14E-07	1.34E-03	4.23E-07	1.23E-07	2.10E-03	6.63E-07	1.93E-07
6024	481076.33, 3851619.05	1.21E-03	3.81E-07	1.11E-07	1.30E-03	4.11E-07	1.20E-07	2.04E-03	6.45E-07	1.88E-07
6025	480939.8, 3851549.07	1.18E-03	3.73E-07	1.09E-07	1.27E-03	4.02E-07	1.17E-07	2.00E-03	6.32E-07	1.84E-07
6026	480854.56, 3851506.41	1.17E-03	3.68E-07	1.07E-07	1.26E-03	3.97E-07	1.16E-07	1.98E-03	6.24E-07	1.82E-07
6027	480769.32, 3851463.75	1.15E-03	3.64E-07	1.06E-07	1.24E-03	3.93E-07	1.14E-07	1.96E-03	6.18E-07	1.80E-07
6028	480684.08, 3851421.08	1.14E-03	3.60E-07	1.05E-07	1.23E-03	3.88E-07	1.13E-07	1.93E-03	6.11E-07	1.78E-07
6029	480598.84, 3851378.42	1.13E-03	3.55E-07	1.03E-07	1.21E-03	3.83E-07	1.11E-07	1.91E-03	6.03E-07	1.75E-07
6030	480435.71, 3851275.01	1.09E-03	3.43E-07	9.96E-08	1.17E-03	3.69E-07	1.07E-07	1.85E-03	5.83E-07	1.70E-07
6031	480347.85, 3851232.36	1.07E-03	3.37E-07	9.81E-08	1.15E-03	3.64E-07	1.06E-07	1.82E-03	5.74E-07	1.67E-07
6032	480260, 3851189.72	1.05E-03	3.31E-07	9.64E-08	1.13E-03	3.57E-07	1.04E-07	1.79E-03	5.65E-07	1.64E-07
6033	480172.15, 3851147.07	1.03E-03	3.25E-07	9.46E-08	1.11E-03	3.51E-07	1.02E-07	1.76E-03	5.54E-07	1.61E-07
6034	480084.29, 3851104.42	1.01E-03	3.18E-07	9.26E-08	1.09E-03	3.43E-07	9.99E-08	1.72E-03	5.43E-07	1.58E-07
6035	479996.44, 3851061.77	9.85E-04	3.11E-07	9.04E-08	1.06E-03	3.35E-07	9.75E-08	1.68E-03	5.30E-07	1.54E-07

6036 479908.58, 3851019.13	9.55E-04	3.02E-07	8.77E-08	1.03E-03	3.25E-07	9.46E-08	1.63E-03	5.15E-07	1.50E-07
6037 479820.73, 3850976.48	9.29E-04	2.93E-07	8.52E-08	1.00E-03	3.16E-07	9.20E-08	1.58E-03	5.00E-07	1.45E-07
6038 479732.88, 3850933.83	9.00E-04	2.84E-07	8.27E-08	9.71E-04	3.07E-07	8.92E-08	1.54E-03	4.85E-07	1.41E-07
6039 479645.02, 3850891.18	8.73E-04	2.75E-07	8.01E-08	9.41E-04	2.97E-07	8.64E-08	1.49E-03	4.70E-07	1.37E-07
6040 479557.17, 3850848.54	8.45E-04	2.67E-07	7.76E-08	9.12E-04	2.88E-07	8.37E-08	1.44E-03	4.55E-07	1.32E-07
6041 479469.32, 3850805.89	8.14E-04	2.57E-07	7.47E-08	8.78E-04	2.77E-07	8.06E-08	1.39E-03	4.38E-07	1.27E-07
6042 479381.46, 3850763.24	7.88E-04	2.49E-07	7.23E-08	8.50E-04	2.68E-07	7.80E-08	1.34E-03	4.23E-07	1.23E-07
6043 479293.61, 3850720.59	7.65E-04	2.41E-07	7.02E-08	8.25E-04	2.60E-07	7.57E-08	1.30E-03	4.10E-07	1.19E-07
6044 479205.76, 3850677.95	7.40E-04	2.34E-07	6.80E-08	7.98E-04	2.52E-07	7.33E-08	1.26E-03	3.97E-07	1.15E-07
6045 479117.9, 3850635.3	7.17E-04	2.26E-07	6.59E-08	7.73E-04	2.44E-07	7.10E-08	1.22E-03	3.84E-07	1.12E-07
6046 479030.05, 3850592.65	6.94E-04	2.19E-07	6.37E-08	7.48E-04	2.36E-07	6.87E-08	1.17E-03	3.71E-07	1.08E-07
6047 478942.19, 3850550	6.65E-04	2.10E-07	6.11E-08	7.17E-04	2.26E-07	6.58E-08	1.13E-03	3.55E-07	1.03E-07
6048 478854.34, 3850507.36	6.26E-04	1.98E-07	5.75E-08	6.75E-04	2.13E-07	6.20E-08	1.06E-03	3.35E-07	9.74E-08
6049 478766.49, 3850464.71	5.98E-04	1.89E-07	5.49E-08	6.44E-04	2.03E-07	5.91E-08	1.01E-03	3.20E-07	9.29E-08
6050 478678.63, 3850422.06	5.73E-04	1.81E-07	5.26E-08	6.17E-04	1.95E-07	5.67E-08	9.70E-04	3.06E-07	8.91E-08
6051 478590.78, 3850379.41	5.49E-04	1.73E-07	5.04E-08	5.91E-04	1.87E-07	5.43E-08	9.29E-04	2.93E-07	8.53E-08
6052 478502.93, 3850336.77	5.29E-04	1.67E-07	4.85E-08	5.70E-04	1.80E-07	5.23E-08	8.96E-04	2.83E-07	8.22E-08
6053 478415.07, 3850294.12	5.12E-04	1.62E-07	4.70E-08	5.52E-04	1.74E-07	5.07E-08	8.67E-04	2.74E-07	7.96E-08
6054 478327.22, 3850251.47	4.93E-04	1.56E-07	4.53E-08	5.31E-04	1.68E-07	4.88E-08	8.35E-04	2.63E-07	7.66E-08
6055 478239.36, 3850208.82	4.77E-04	1.51E-07	4.38E-08	5.14E-04	1.62E-07	4.72E-08	8.08E-04	2.55E-07	7.41E-08
6056 478151.51, 3850166.18	4.64E-04	1.46E-07	4.26E-08	5.00E-04	1.58E-07	4.59E-08	7.85E-04	2.48E-07	7.21E-08
6057 478063.66, 3850123.53	4.51E-04	1.42E-07	4.14E-08	4.86E-04	1.54E-07	4.47E-08	7.64E-04	2.41E-07	7.02E-08
6058 477975.8, 3850080.88	4.54E-04	1.43E-07	4.17E-08	4.89E-04	1.54E-07	4.49E-08	7.67E-04	2.42E-07	7.05E-08
6059 477887.95, 3850038.23	4.48E-04	1.41E-07	4.11E-08	4.83E-04	1.52E-07	4.43E-08	7.57E-04	2.39E-07	6.95E-08
6060 477800.1, 3849995.59	4.44E-04	1.40E-07	4.08E-08	4.79E-04	1.51E-07	4.39E-08	7.50E-04	2.37E-07	6.88E-08
6061 477712.24, 3849952.94	4.37E-04	1.38E-07	4.02E-08	4.71E-04	1.49E-07	4.33E-08	7.38E-04	2.33E-07	6.78E-08
6062 477624.39, 3849910.29	4.31E-04	1.36E-07	3.96E-08	4.65E-04	1.47E-07	4.27E-08	7.28E-04	2.30E-07	6.68E-08
6063 477536.54, 3849867.64	4.27E-04	1.35E-07	3.92E-08	4.60E-04	1.45E-07	4.22E-08	7.20E-04	2.27E-07	6.61E-08
6064 477448.68, 3849825	4.21E-04	1.33E-07	3.86E-08	4.53E-04	1.43E-07	4.16E-08	7.10E-04	2.24E-07	6.52E-08
6065 477360.83, 3849782.35	4.16E-04	1.31E-07	3.81E-08	4.48E-04	1.41E-07	4.11E-08	7.01E-04	2.21E-07	6.44E-08
6066 477272.97, 3849739.7	4.10E-04	1.30E-07	3.77E-08	4.42E-04	1.40E-07	4.06E-08	6.93E-04	2.19E-07	6.36E-08
6067 477185.12, 3849697.05	4.07E-04	1.28E-07	3.73E-08	4.38E-04	1.38E-07	4.02E-08	6.86E-04	2.17E-07	6.30E-08
6068 477097.27, 3849654.41	4.02E-04	1.27E-07	3.69E-08	4.33E-04	1.37E-07	3.97E-08	6.79E-04	2.14E-07	6.23E-08
6069 477009.41, 3849611.76	3.94E-04	1.24E-07	3.62E-08	4.24E-04	1.34E-07	3.90E-08	6.66E-04	2.10E-07	6.12E-08
6070 476841.49, 3849530.08	3.86E-04	1.22E-07	3.54E-08	4.16E-04	1.31E-07	3.82E-08	6.53E-04	2.06E-07	6.00E-08
6071 476761.41, 3849491.05	3.83E-04	1.21E-07	3.52E-08	4.13E-04	1.30E-07	3.79E-08	6.49E-04	2.05E-07	5.96E-08
6072 476681.34, 3849452.02	3.79E-04	1.20E-07	3.48E-08	4.09E-04	1.29E-07	3.75E-08	6.43E-04	2.03E-07	5.90E-08
6073 476601.26, 3849412.99	3.75E-04	1.18E-07	3.44E-08	4.04E-04	1.27E-07	3.71E-08	6.35E-04	2.00E-07	5.83E-08
6074 476456.32, 3849353.67	3.65E-04	1.15E-07	3.36E-08	3.94E-04	1.24E-07	3.62E-08	6.20E-04	1.96E-07	5.69E-08
6075 476305.43, 3849318.84	3.69E-04	1.16E-07	3.39E-08	3.98E-04	1.25E-07	3.65E-08	6.25E-04	1.97E-07	5.74E-08
6076 476129.36, 3849289.99	3.70E-04	1.17E-07	3.40E-08	3.99E-04	1.26E-07	3.66E-08	6.28E-04	1.98E-07	5.77E-08
6077 476039.31, 3849275.68	3.71E-04	1.17E-07	3.41E-08	4.00E-04	1.26E-07	3.67E-08	6.30E-04	1.99E-07	5.78E-08
6078 475949.26, 3849261.38	3.67E-04	1.16E-07	3.37E-08	3.96E-04	1.25E-07	3.63E-08	6.23E-04	1.97E-07	5.72E-08
6079 475859.21, 3849247.08	3.67E-04	1.16E-07	3.37E-08	3.95E-04	1.25E-07	3.63E-08	6.22E-04	1.96E-07	5.71E-08
6080 475769.16, 3849232.77	3.65E-04	1.15E-07	3.35E-08	3.93E-04	1.24E-07	3.61E-08	6.20E-04	1.96E-07	5.69E-08
6081 475585.23, 3849219.27	3.21E-04	1.01E-07	2.94E-08	3.46E-04	1.09E-07	3.17E-08	5.46E-04	1.72E-07	5.01E-08
6082 475444.5, 3849150.35	3.43E-04	1.08E-07	3.15E-08	3.70E-04	1.17E-07	3.40E-08	5.84E-04	1.84E-07	5.36E-08
6083 475334.18, 3849118.71	3.47E-04	1.09E-07	3.18E-08	3.74E-04	1.18E-07	3.43E-08	5.90E-04	1.86E-07	5.42E-08
6084 475230.47, 3849060.57	3.43E-04	1.08E-07	3.15E-08	3.69E-04	1.17E-07	3.39E-08	5.83E-04	1.84E-07	5.35E-08
6085 475110.86, 3848960.97	3.34E-04	1.05E-07	3.06E-08	3.60E-04	1.14E-07	3.30E-08	5.67E-04	1.79E-07	5.21E-08
6086 475037.79, 3848896.28	3.25E-04	1.03E-07	2.99E-08	3.51E-04	1.11E-07	3.22E-08	5.54E-04	1.75E-07	5.08E-08
6087 474964.72, 3848831.59	3.18E-04	1.00E-07	2.92E-08	3.43E-04	1.08E-07	3.15E-08	5.41E-04	1.71E-07	4.97E-08
6088 474891.65, 3848766.9	3.13E-04	9.87E-08	2.87E-08	3.37E-04	1.06E-07	3.10E-08	5.32E-04	1.68E-07	4.89E-08
6089 474818.58, 3848702.22	3.09E-04	9.76E-08	2.84E-08	3.33E-04	1.05E-07	3.06E-08	5.26E-04	1.66E-07	4.83E-08
6090 474745.51, 3848637.53	3.11E-04	9.82E-08	2.86E-08	3.36E-04	1.06E-07	3.08E-08	5.29E-04	1.67E-07	4.86E-08
6091 474672.44, 3848572.84	3.09E-04	9.76E-08	2.84E-08	3.33E-04	1.05E-07	3.06E-08	5.26E-04	1.66E-07	4.83E-08
6092 474599.37, 3848508.15	3.03E-04	9.55E-08	2.78E-08	3.26E-04	1.03E-07	3.00E-08	5.15E-04	1.62E-07	4.72E-08
6093 474526.3, 3848443.46	2.98E-04	9.42E-08	2.74E-08	3.22E-04	1.02E-07	2.95E-08	5.07E-04	1.60E-07	4.66E-08

			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	1.14E-03	1.40E-03	1.23E-03	3.96E-07	1.20E-06	6.93E-07	8.49E-07	7.69E-07	3.51E-07	3.07E-07	0.00E+00	0.00E+00	1.27E-07	2.88E-08	1.83E-07	2.82E-08	2.37E-08	3.91E-07
2	486023.61	3854936.51	1.10E-03	1.34E-03	1.17E-03	3.79E-07	1.15E-06	6.63E-07	8.12E-07	7.36E-07	3.36E-07	2.94E-07	0.00E+00	0.00E+00	1.22E-07	2.76E-08	1.75E-07	2.70E-08	2.27E-08	3.74E-07
3	486073.61	3854936.51	1.06E-03	1.30E-03	1.13E-03	3.66E-07	1.11E-06	6.41E-07	7.85E-07	7.11E-07	3.25E-07	2.84E-07	0.00E+00	0.00E+00	1.18E-07	2.66E-08	1.69E-07	2.61E-08	2.20E-08	3.62E-07
4	486123.61	3854936.51	1.00E-03	1.23E-03	1.07E-03	3.47E-07	1.05E-06	6.06E-07	7.43E-07	6.73E-07	3.07E-07	2.69E-07	0.00E+00	0.00E+00	1.12E-07	2.52E-08	1.60E-07	2.47E-08	2.08E-08	3.42E-07
5	486173.61	3854936.51	9.82E-04	1.20E-03	1.05E-03	3.40E-07	1.03E-06	5.94E-07	7.28E-07	6.60E-07	3.01E-07	2.63E-07	0.00E+00	0.00E+00	1.09E-07	2.47E-08	1.57E-07	2.42E-08	2.04E-08	3.35E-07
6	486223.61	3854936.51	9.43E-04	1.16E-03	1.01E-03	3.27E-07	9.86E-07	5.71E-07	6.99E-07	6.34E-07	2.89E-07	2.53E-07	0.00E+00	0.00E+00	1.05E-07	2.37E-08	1.51E-07	2.32E-08	1.96E-08	3.22E-07
7	486273.61	3854936.51	9.13E-04	1.12E-03	9.78E-04	3.16E-07	9.54E-07	5.52E-07	6.77E-07	6.13E-07	2.80E-07	2.45E-07	0.00E+00	0.00E+00	1.02E-07	2.30E-08	1.46E-07	2.25E-08	1.90E-08	3.12E-07
8	486323.61	3854936.51	8.86E-04	1.09E-03	9.49E-04	3.07E-07	9.26E-07	5.36E-07	6.57E-07	5.95E-07	2.72E-07	2.38E-07	0.00E+00	0.00E+00	9.86E-08	2.23E-08	1.41E-07	2.18E-08	1.84E-08	3.03E-07
9	485973.61	3854986.51	1.24E-03	1.51E-03	1.32E-03	4.28E-07	1.29E-06	7.48E-07	9.16E-07	8.31E-07	3.79E-07	3.31E-07	0.00E+00	0.00E+00	1.38E-07	3.11E-08	1.97E-07	3.04E-08	2.57E-08	4.22E-07
10	486023.61	3854986.51	1.19E-03	1.45E-03	1.27E-03	4.11E-07	1.24E-06	7.18E-07	8.80E-07	7.98E-07	3.64E-07	3.18E-07	0.00E+00	0.00E+00	1.32E-07	2.99E-08	1.90E-07	2.92E-08	2.46E-08	4.06E-07
11	486073.61	3854986.51	1.14E-03	1.39E-03	1.22E-03	3.93E-07	1.19E-06	6.87E-07	8.42E-07	7.63E-07	3.48E-07	3.04E-07	0.00E+00	0.00E+00	1.26E-07	2.86E-08	1.81E-07	2.80E-08	2.36E-08	3.88E-07
12	486123.61	3854986.51	1.09E-03	1.33E-03	1.17E-03	3.77E-07	1.14E-06	6.58E-07	8.07E-07	7.31E-07	3.34E-07	2.92E-07	0.00E+00	0.00E+00	1.21E-07	2.74E-08	1.74E-07	2.68E-08	2.26E-08	3.72E-07
13	486173.61	3854986.51	1.06E-03	1.29E-03	1.13E-03	3.65E-07	1.10E-06	6.39E-07	7.82E-07	7.09E-07	3.24E-07	2.83E-07	0.00E+00	0.00E+00	1.17E-07	2.66E-08	1.69E-07	2.60E-08	2.19E-08	3.60E-07
14	486223.61	3854986.51	1.01E-03	1.24E-03	1.08E-03	3.50E-07	1.06E-06	6.12E-07	7.50E-07	6.80E-07	3.10E-07	2.71E-07	0.00E+00	0.00E+00	1.13E-07	2.55E-08	1.62E-07	2.49E-08	2.10E-08	3.46E-07
15	486273.61	3854986.51	9.68E-04	1.19E-03	1.04E-03	3.35E-07	1.01E-06	5.86E-07	7.18E-07	6.51E-07	2.97E-07	2.60E-07	0.00E+00	0.00E+00	1.08E-07	2.44E-08	1.55E-07	2.38E-08	2.01E-08	3.31E-07
16	486323.61	3854986.51	9.53E-04	1.17E-03	1.02E-03	3.30E-07	9.96E-07	5.77E-07	7.06E-07	6.40E-07	2.92E-07	2.56E-07	0.00E+00	0.00E+00	1.06E-07	2.40E-08	1.52E-07	2.35E-08	1.98E-08	3.26E-07
17	485973.61	3855036.51	1.33E-03	1.64E-03	1.43E-03	4.62E-07	1.40E-06	8.08E-07	9.89E-07	8.97E-07	4.09E-07	3.58E-07	0.00E+00	0.00E+00	1.49E-07	3.36E-08	2.13E-07	3.29E-08	2.77E-08	4.56E-07
18	486023.61	3855036.51	1.28E-03	1.56E-03	1.37E-03	4.42E-07	1.33E-06	7.73E-07	9.46E-07	8.58E-07	3.91E-07	3.42E-07	0.00E+00	0.00E+00	1.42E-07	3.21E-08	2.04E-07	3.14E-08	2.65E-08	4.36E-07
19	486073.61	3855036.51	1.21E-03	1.49E-03	1.30E-03	4.20E-07	1.27E-06	7.34E-07	9.00E-07	8.16E-07	3.72E-07	3.26E-07	0.00E+00	0.00E+00	1.35E-07	3.05E-08	1.94E-07	2.99E-08	2.52E-08	4.15E-07
20	486123.61	3855036.51	1.16E-03	1.43E-03	1.25E-03	4.03E-07	1.22E-06	7.04E-07	8.62E-07	7.82E-07	3.57E-07	3.12E-07	0.00E+00	0.00E+00	1.30E-07	2.93E-08	1.86E-07	2.86E-08	2.42E-08	3.97E-07
21	486173.61	3855036.51	1.13E-03	1.38E-03	1.21E-03	3.91E-07	1.18E-06	6.83E-07	8.36E-07	7.58E-07	3.46E-07	3.03E-07	0.00E+00	0.00E+00	1.26E-07	2.84E-08	1.80E-07	2.78E-08	2.34E-08	3.85E-07
22	486223.61	3855036.51	1.08E-03	1.32E-03	1.15E-03	3.72E-07	1.12E-06	6.51E-07	7.97E-07	7.23E-07	3.30E-07	2.89E-07	0.00E+00	0.00E+00	1.20E-07	2.71E-08	1.72E-07	2.65E-08	2.23E-08	3.67E-07
23	486273.61	3855036.51	1.05E-03	1.28E-03	1.12E-03	3.63E-07	1.10E-06	6.34E-07	7.77E-07	7.05E-07	3.21E-07	2.81E-07	0.00E+00	0.00E+00	1.17E-07	2.64E-08	1.67E-07	2.58E-08	2.18E-08	3.58E-07
24	486323.61	3855036.51	1.01E-03	1.24E-03	1.08E-03	3.49E-07	1.05E-06	6.11E-07	7.48E-07	6.78E-07	3.09E-07	2.71E-07	0.00E+00	0.00E+00	1.12E-07	2.54E-08	1.61E-07	2.48E-08	2.10E-08	3.45E-07
25	485973.61	3855086.51	1.43E-03	1.75E-03	1.53E-03	4.95E-07	1.50E-06	8.66E-07	1.06E-06	9.61E-07	4.39E-07	3.84E-07	0.00E+00	0.00E+00	1.59E-07	3.60E-08	2.28E-07	3.52E-08	2.97E-08	4.89E-07
26	486023.61	3855086.51	1.37E-03	1.68E-03	1.47E-03	4.76E-07	1.44E-06	8.31E-07	1.02E-06	9.23E-07	4.21E-07	3.69E-07	0.00E+00	0.00E+00	1.53E-07	3.46E-08	2.19E-07	3.38E-08	2.85E-08	4.69E-07
27	486073.61	3855086.51	1.30E-03	1.60E-03	1.40E-03	4.51E-07	1.36E-06	7.89E-07	9.66E-07	8.76E-07	4.00E-07	3.50E-07	0.00E+00	0.00E+00	1.45E-07	3.28E-08	2.08E-07	3.21E-08	2.71E-08	4.45E-07
28	486123.61	3855086.51	1.26E-03	1.54E-03	1.35E-03	4.34E-07	1.31E-06	7.59E-07	9.30E-07	8.43E-07	3.85E-07	3.37E-07	0.00E+00	0.00E+00	1.40E-07	3.16E-08	2.00E-07	3.09E-08	2.61E-08	4.29E-07
29	486173.61	3855086.51	1.20E-03	1.47E-03	1.28E-03	4.14E-07	1.25E-06	7.24E-07	8.87E-07	8.04E-07	3.67E-07	3.21E-07	0.00E+00	0.00E+00	1.33E-07	3.01E-08	1.91E-07	2.95E-08	2.49E-08	4.09E-07
30	486223.61	3855086.51	1.15E-03	1.41E-03	1.24E-03	4.00E-07	1.21E-06	6.98E-07	8.56E-07	7.76E-07	3.54E-07	3.10E-07	0.00E+00	0.00E+00	1.29E-07	2.90E-08	1.84E-07	2.84E-08	2.40E-08	3.94E-07
31	485973.61	3855136.51	1.54E-03	1.89E-03	1.65E-03	5.33E-07	1.61E-06	9.32E-07	1.14E-06	1.03E-06	4.72E-07	4.13E-07	0.00E+00	0.00E+00	1.71E-07	3.87E-08	2.46E-07	3.79E-08	3.20E-08	5.26E-07
32	486023.61	3855136.51	1.47E-03	1.80E-03	1.58E-03	5.09E-07	1.54E-06	8.89E-07	1.09E-06	9.87E-07	4.50E-07	3.94E-07	0.00E+00	0.00E+00	1.64E-07	3.70E-08	2.35E-07	3.62E-08	3.05E-08	5.02E-07
33	486073.61	3855136.51	1.40E-03	1.72E-03	1.50E-03	4.85E-07	1.46E-06	8.48E-07	1.04E-06	9.41E-07	4.30E-07	3.76E-07	0.00E+00	0.00E+00	1.56E-07	3.53E-08	2.24E-07	3.45E-08	2.91E-08	4.79E-07
34	486123.61	3855136.51	1.34E-03	1.64E-03	1.44E-03	4.64E-07	1.40E-06	8.12E-07	9.95E-07	9.02E-07	4.11E-07	3.60E-07	0.00E+00	0.00E+00	1.49E-07	3.38E-08	2.14E-07	3.30E-08	2.79E-08	4.58E-07
35	486173.61	3855136.51	1.28E-03	1.57E-03	1.38E-03	4.44E-07	1.34E-06	7.76E-07	9.51E-07	8.62E-07	3.93E-07	3.44E-07	0.00E+00	0.00E+00	1.43E-07	3.23E-08	2.05E-07	3.16E-08	2.67E-08	4.38E-07
36	486223.61	3855136.51	1.23E-03	1.51E-03	1.32E-03	4.26E-07	1.29E-06	7.44E-07	9.12E-07	8.27E-07	3.77E-07	3.30E-07	0.00E+00	0.00E+00	1.37E-07	3.10E-08	1.96E-07	3.03E-08	2.56E-08	4.20E-07
37	485973.61	3855186.51	1.65E-03	2.02E-03	1.77E-03	5.72E-07	1.73E-06	9.99E-07	1.22E-06	1.11E-06	5.06E-07	4.44E-07	0.00E+00	0.00E+00	1.84E-07	4.15E-08	2.64E-07	4.07E-08	3.43E-08	5.64E-07
38	486023.61	3855186.51	1.58E-03	1.93E-03	1.69E-03	5.46E-07	1.65E-06	9.54E-07	1.17E-06	1.06E-06	4.83E-07	4.24E-07	0.00E+00	0.00E+00	1.76E-07	3.97E-08	2.52E-07	3.88E-08	3.28E-08	5.39E-07
39	486073.61	3855186.51	1.50E-03	1.83E-03	1.61E-03	5.18E-07	1.56E-06	9.05E-07	1.11E-06	1.00E-06	4.59E-07	4.02E-07	0.00E+00	0.00E+00	1.66E-07	3.76E-08	2.39E-07	3.68E-08	3.11E-08	5.11E-07
40	486123.61	3855186.51	1.42E-03	1.74E-03	1.53E-03	4.92E-07	1.49E-06	8.60E-07	1.05E-06	9.55E-07	4.36E-07	3.82E-07	0.00E+00	0.00E+00	1.58E-07	3.57E-08	2.27E-07	3.50E-08	2.96E-08	4.85E-07
41	486173.61	3855186.51	1.36E-03	1.67E-03	1.46E-03	4.71E-07	1.42E-06	8.23E-07	1.01E-06	9.14E-07	4.17E-07	3.65E-07	0.00E+00	0.00E+00	1.51E-07	3.42E-08	2.17E-07	3.35E-08	2.83E-08	4.65E-07
42	486223.61	3855186.51	1.30E-03	1.60E-03	1.40E-03	4.51E-07	1.36E-06	7.89E-07	9.67E-07	8.76E-07	4.00E-07	3.50E-07	0.00E+00	0.00E+00	1.45E-07	3.28E-08	2.08E-07	3.21E-08	2.71E-08	4.45E-07
43	486273.61	3855186.51	1.25E-03	1.53E-03	1.34E-03	4.32E-07	1.30E-06	7.55E-07	9.25E-07	8.39E-07	3.83E-07	3.35E-07	0.00E+00	0.00E+00	1.39E-07	3.14E-08	1.99E-07	3.07E-08	2.60E-08	4.26E-07
44	486323.61	3855186.51	1.23E-03	1.51E-03	1.32E-03	4.25E-07	1.28E-06	7.43E-07	9.11E-07	8.26E-07	3.77E-07	3.30E-07	0.00E+00	0.00E+00	1.37E-07	3.09E-08	1.96E-07	3.02E-08	2.56E-08	4.20E-07
45	485973.61	3855236.51	1.76E-03	2.16E-03	1.89E-03	6.10E-07	1.84E-06	1.07E-06	1.31E-06	1.18E-06	5.41E-07	4.74E-07	0.00E+00	0.00E+00	1.96E-07	4.44E-08	2.82E-07	4.34E-08	3.67E-08	6.02E-07
46	486023.61	3855236.51	1.67E-03	2.05E-03	1.79E-03	5.79E-07	1.75E-06	1.01E-06	1.24E-06	1.12E-06	5.12E-07	4.49E-07	0.00E+00	0.00E+00	1.86E-07	4.21E-08	2.67E-07	4.12E-08	3.48E-08	5.71E-07
47	486073.61	3855236.51	1.58E-03	1.94E-03	1.70E-03	5.48E-07	1.65E-06	9.58E-07	1.17E-06	1.06E-06	4.85E-07	4.25E-07	0.00E+00	0.00E+00	1.76E-07	3.98E-08	2.53E-07	3.90E-08	3.29E-08	5.41E-07
48	486123.61	3855236.51	1.51E-03	1.85E-03	1.62E-03	5.23E-07	1.58E-06	9.14E-07	1.12E-06	1.01E-06	4.63E-07	4.06E-07	0.00E+00	0.00E+00	1.68E-07	3.80E-08	2.41E-07	3.72E-08	3.14E-08	5.16E-07
49	486173.61	3855236.51	1.44E-03	1.77E-03	1.55E-03	5.00E-07	1.51E-06	8.74E-07	1.07E-06	9.71E-07	4.43E-07	3.88E-07	0.00E+00	0.00E+00	1.61E-07	3.63E-08	2.31E-07	3.56E-08	3.01E-08	4.93E-07
50	486223.61	3855236.51	1.38E-03	1.69E-03	1.48E-03	4.78E-07	1.44E-06	8.35E-07	1.02E-06	9.27E-07	4.23E-07	3.71E-07	0.00E+00	0.00E+00	1.54E-07	3.47E-08	2.20E-07	3.40E-08	2.87E-08	4.71E-07
51	486273.61	3855236.51	1.30E-03	1.60E-03	1.40E-03	4.52E-07	1.36E-06	7.90E-07	9.67E-07	8.77E-07	4.00E-07	3.51E-07	0.00E+00	0.00E+00	1.45E-07	3.28E-08	2.08E-07	3.21E-08	2.72E-08	4.46E-07

52	486323.61	3855236.51	1.30E-03	1.59E-03	1.39E-03	4.50E-07	1.36E-06	7.86E-07	9.63E-07	8.73E-07	3.98E-07	3.49E-07	0.00E+00	0.00E+00	1.45E-07	3.27E-08	2.07E-07	3.20E-08	2.70E-08	4.44E-07
53	485973.61	3855286.51	1.88E-03	2.30E-03	2.02E-03	6.50E-07	1.96E-06	1.14E-06	1.39E-06	1.26E-06	5.76E-07	5.05E-07	0.00E+00	0.00E+00	2.09E-07	4.72E-08	3.00E-07	4.62E-08	3.91E-08	6.41E-07
54	486023.61	3855286.51	1.77E-03	2.17E-03	1.91E-03	6.14E-07	1.85E-06	1.07E-06	1.31E-06	1.19E-06	5.44E-07	4.77E-07	0.00E+00	0.00E+00	1.97E-07	4.46E-08	2.83E-07	4.37E-08	3.69E-08	6.06E-07
55	486073.61	3855286.51	1.68E-03	2.06E-03	1.81E-03	5.83E-07	1.76E-06	1.02E-06	1.25E-06	1.13E-06	5.16E-07	4.53E-07	0.00E+00	0.00E+00	1.87E-07	4.24E-08	2.69E-07	4.15E-08	3.51E-08	5.75E-07
56	486123.61	3855286.51	1.60E-03	1.96E-03	1.72E-03	5.53E-07	1.67E-06	9.66E-07	1.18E-06	1.07E-06	4.90E-07	4.29E-07	0.00E+00	0.00E+00	1.78E-07	4.02E-08	2.55E-07	3.93E-08	3.33E-08	5.46E-07
57	486173.61	3855286.51	1.52E-03	1.86E-03	1.63E-03	5.26E-07	1.59E-06	9.20E-07	1.13E-06	1.02E-06	4.66E-07	4.09E-07	0.00E+00	0.00E+00	1.69E-07	3.82E-08	2.43E-07	3.74E-08	3.17E-08	5.19E-07
58	486223.61	3855286.51	1.46E-03	1.79E-03	1.57E-03	5.05E-07	1.52E-06	8.82E-07	1.08E-06	9.80E-07	4.47E-07	3.92E-07	0.00E+00	0.00E+00	1.62E-07	3.67E-08	2.33E-07	3.59E-08	3.04E-08	4.98E-07
59	486123.61	3855336.51	1.69E-03	2.07E-03	1.81E-03	5.84E-07	1.76E-06	1.02E-06	1.25E-06	1.13E-06	5.17E-07	4.54E-07	0.00E+00	0.00E+00	1.88E-07	4.24E-08	2.69E-07	4.15E-08	3.51E-08	5.76E-07
60	486173.61	3855336.51	1.61E-03	1.97E-03	1.73E-03	5.58E-07	1.68E-06	9.75E-07	1.19E-06	1.08E-06	4.94E-07	4.33E-07	0.00E+00	0.00E+00	1.79E-07	4.05E-08	2.57E-07	3.97E-08	3.36E-08	5.50E-07
61	486223.61	3855336.51	1.54E-03	1.88E-03	1.65E-03	5.32E-07	1.61E-06	9.30E-07	1.14E-06	1.03E-06	4.71E-07	4.14E-07	0.00E+00	0.00E+00	1.71E-07	3.87E-08	2.45E-07	3.78E-08	3.20E-08	5.25E-07
62	486123.61	3855386.51	1.78E-03	2.19E-03	1.92E-03	6.18E-07	1.86E-06	1.08E-06	1.32E-06	1.20E-06	5.47E-07	4.80E-07	0.00E+00	0.00E+00	1.99E-07	4.49E-08	2.85E-07	4.39E-08	3.72E-08	6.09E-07
63	486173.61	3855386.51	1.70E-03	2.08E-03	1.83E-03	5.89E-07	1.78E-06	1.03E-06	1.26E-06	1.14E-06	5.21E-07	4.58E-07	0.00E+00	0.00E+00	1.89E-07	4.28E-08	2.72E-07	4.19E-08	3.54E-08	5.81E-07
64	486223.61	3855386.51	1.63E-03	1.99E-03	1.75E-03	5.63E-07	1.70E-06	9.84E-07	1.21E-06	1.09E-06	4.99E-07	4.38E-07	0.00E+00	0.00E+00	1.81E-07	4.09E-08	2.60E-07	4.00E-08	3.39E-08	5.56E-07
65	486533.18	3855443.15	1.37E-03	1.67E-03	1.47E-03	4.73E-07	1.43E-06	8.26E-07	1.01E-06	9.18E-07	4.19E-07	3.68E-07	0.00E+00	0.00E+00	1.52E-07	3.44E-08	2.18E-07	3.36E-08	2.85E-08	4.67E-07
66	486583.18	3855443.15	1.32E-03	1.61E-03	1.42E-03	4.56E-07	1.38E-06	7.96E-07	9.76E-07	8.84E-07	4.04E-07	3.54E-07	0.00E+00	0.00E+00	1.47E-07	3.31E-08	2.10E-07	3.24E-08	2.74E-08	4.50E-07
67	486633.18	3855443.15	1.27E-03	1.56E-03	1.37E-03	4.40E-07	1.33E-06	7.68E-07	9.41E-07	8.53E-07	3.89E-07	3.42E-07	0.00E+00	0.00E+00	1.41E-07	3.19E-08	2.03E-07	3.13E-08	2.65E-08	4.34E-07
68	486683.18	3855443.15	1.23E-03	1.51E-03	1.33E-03	4.27E-07	1.29E-06	7.47E-07	9.15E-07	8.29E-07	3.78E-07	3.32E-07	0.00E+00	0.00E+00	1.37E-07	3.11E-08	1.97E-07	3.04E-08	2.57E-08	4.22E-07
69	486533.18	3855493.15	1.43E-03	1.75E-03	1.54E-03	4.95E-07	1.49E-06	8.65E-07	1.06E-06	9.60E-07	4.38E-07	3.85E-07	0.00E+00	0.00E+00	1.59E-07	3.60E-08	2.28E-07	3.52E-08	2.98E-08	4.88E-07
70	486583.18	3855493.15	1.38E-03	1.69E-03	1.48E-03	4.78E-07	1.44E-06	8.35E-07	1.02E-06	9.27E-07	4.23E-07	3.72E-07	0.00E+00	0.00E+00	1.54E-07	3.47E-08	2.20E-07	3.40E-08	2.88E-08	4.71E-07
71	486633.18	3855493.15	1.33E-03	1.63E-03	1.43E-03	4.61E-07	1.39E-06	8.05E-07	9.87E-07	8.94E-07	4.08E-07	3.58E-07	0.00E+00	0.00E+00	1.48E-07	3.35E-08	2.12E-07	3.28E-08	2.78E-08	4.55E-07
72	486683.18	3855493.15	1.29E-03	1.58E-03	1.38E-03	4.45E-07	1.34E-06	7.78E-07	9.53E-07	8.64E-07	3.94E-07	3.46E-07	0.00E+00	0.00E+00	1.43E-07	3.24E-08	2.05E-07	3.17E-08	2.68E-08	4.39E-07
73	486533.18	3855543.15	1.50E-03	1.84E-03	1.62E-03	5.20E-07	1.57E-06	9.09E-07	1.11E-06	1.01E-06	4.60E-07	4.04E-07	0.00E+00	0.00E+00	1.67E-07	3.78E-08	2.40E-07	3.70E-08	3.13E-08	5.13E-07
74	486583.18	3855543.15	1.44E-03	1.76E-03	1.55E-03	4.98E-07	1.50E-06	8.70E-07	1.07E-06	9.66E-07	4.41E-07	3.87E-07	0.00E+00	0.00E+00	1.60E-07	3.62E-08	2.29E-07	3.54E-08	3.00E-08	4.91E-07
75	486633.18	3855543.15	1.39E-03	1.70E-03	1.49E-03	4.81E-07	1.45E-06	8.40E-07	1.03E-06	9.33E-07	4.26E-07	3.74E-07	0.00E+00	0.00E+00	1.55E-07	3.49E-08	2.22E-07	3.42E-08	2.90E-08	4.74E-07
76	486683.18	3855543.15	1.33E-03	1.63E-03	1.43E-03	4.61E-07	1.39E-06	8.05E-07	9.86E-07	8.94E-07	4.08E-07	3.58E-07	0.00E+00	0.00E+00	1.48E-07	3.35E-08	2.12E-07	3.27E-08	2.77E-08	4.54E-07
77	486533.18	3855593.15	1.57E-03	1.92E-03	1.69E-03	5.44E-07	1.64E-06	9.50E-07	1.16E-06	1.06E-06	4.81E-07	4.23E-07	0.00E+00	0.00E+00	1.75E-07	3.95E-08	2.51E-07	3.87E-08	3.28E-08	5.36E-07
78	486583.18	3855593.15	1.51E-03	1.84E-03	1.62E-03	5.21E-07	1.57E-06	9.11E-07	1.12E-06	1.01E-06	4.62E-07	4.06E-07	0.00E+00	0.00E+00	1.68E-07	3.79E-08	2.40E-07	3.71E-08	3.14E-08	5.15E-07
79	486633.18	3855593.15	1.45E-03	1.78E-03	1.56E-03	5.02E-07	1.51E-06	8.77E-07	1.07E-06	9.74E-07	4.44E-07	3.90E-07	0.00E+00	0.00E+00	1.61E-07	3.65E-08	2.31E-07	3.57E-08	3.02E-08	4.95E-07
80	486683.18	3855593.15	1.40E-03	1.72E-03	1.51E-03	4.85E-07	1.46E-06	8.48E-07	1.04E-06	9.41E-07	4.30E-07	3.78E-07	0.00E+00	0.00E+00	1.56E-07	3.53E-08	2.24E-07	3.45E-08	2.92E-08	4.79E-07
81	486533.18	3855643.15	1.65E-03	2.02E-03	1.77E-03	5.70E-07	1.72E-06	9.96E-07	1.22E-06	1.11E-06	5.05E-07	4.44E-07	0.00E+00	0.00E+00	1.83E-07	4.14E-08	2.63E-07	4.05E-08	3.44E-08	5.62E-07
82	486583.18	3855643.15	1.58E-03	1.94E-03	1.70E-03	5.47E-07	1.65E-06	9.56E-07	1.17E-06	1.06E-06	4.84E-07	4.26E-07	0.00E+00	0.00E+00	1.76E-07	3.97E-08	2.52E-07	3.89E-08	3.30E-08	5.40E-07
83	486633.18	3855643.15	1.52E-03	1.86E-03	1.63E-03	5.26E-07	1.59E-06	9.19E-07	1.13E-06	1.02E-06	4.65E-07	4.09E-07	0.00E+00	0.00E+00	1.69E-07	3.82E-08	2.42E-07	3.74E-08	3.17E-08	5.19E-07
84	486683.18	3855643.15	1.46E-03	1.79E-03	1.58E-03	5.06E-07	1.53E-06	8.85E-07	1.08E-06	9.83E-07	4.49E-07	3.94E-07	0.00E+00	0.00E+00	1.63E-07	3.68E-08	2.34E-07	3.60E-08	3.05E-08	5.00E-07
85	486533.18	3855693.15	1.74E-03	2.13E-03	1.87E-03	6.01E-07	1.81E-06	1.05E-06	1.29E-06	1.17E-06	5.32E-07	4.68E-07	0.00E+00	0.00E+00	1.93E-07	4.37E-08	2.77E-07	4.27E-08	3.62E-08	5.93E-07
86	486583.18	3855693.15	1.65E-03	2.02E-03	1.78E-03	5.72E-07	1.73E-06	1.00E-06	1.22E-06	1.11E-06	5.06E-07	4.45E-07	0.00E+00	0.00E+00	1.84E-07	4.16E-08	2.64E-07	4.07E-08	3.45E-08	5.64E-07
87	486633.18	3855693.15	1.57E-03	1.93E-03	1.69E-03	5.44E-07	1.64E-06	9.51E-07	1.17E-06	1.06E-06	4.82E-07	4.24E-07	0.00E+00	0.00E+00	1.75E-07	3.96E-08	2.51E-07	3.87E-08	3.28E-08	5.37E-07
88	486683.18	3855693.15	1.53E-03	1.87E-03	1.65E-03	5.29E-07	1.60E-06	9.25E-07	1.13E-06	1.03E-06	4.68E-07	4.12E-07	0.00E+00	0.00E+00	1.70E-07	3.84E-08	2.44E-07	3.76E-08	3.19E-08	5.22E-07
89	486733.18	3855693.15	1.50E-03	1.83E-03	1.61E-03	5.19E-07	1.57E-06	9.06E-07	1.11E-06	1.01E-06	4.59E-07	4.04E-07	0.00E+00	0.00E+00	1.67E-07	3.77E-08	2.39E-07	3.69E-08	3.13E-08	5.12E-07
90	486783.18	3855693.15	1.48E-03	1.81E-03	1.59E-03	5.11E-07	1.54E-06	8.93E-07	1.09E-06	9.91E-07	4.52E-07	3.98E-07	0.00E+00	0.00E+00	1.64E-07	3.71E-08	2.35E-07	3.63E-08	3.08E-08	5.04E-07
91	486533.18	3855743.15	1.82E-03	2.23E-03	1.96E-03	6.31E-07	1.91E-06	1.10E-06	1.35E-06	1.23E-06	5.59E-07	4.92E-07	0.00E+00	0.00E+00	2.03E-07	4.59E-08	2.91E-07	4.49E-08	3.81E-08	6.23E-07
92	486583.18	3855743.15	1.72E-03	2.11E-03	1.86E-03	5.96E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.28E-07	4.64E-07	0.00E+00	0.00E+00	1.92E-07	4.33E-08	2.75E-07	4.24E-08	3.60E-08	5.88E-07
93	486633.18	3855743.15	1.65E-03	2.02E-03	1.78E-03	5.70E-07	1.72E-06	9.97E-07	1.22E-06	1.11E-06	5.05E-07	4.44E-07	0.00E+00	0.00E+00	1.83E-07	4.14E-08	2.63E-07	4.06E-08	3.44E-08	5.63E-07
94	486683.18	3855743.15	1.61E-03	1.97E-03	1.73E-03	5.57E-07	1.68E-06	9.73E-07	1.19E-06	1.08E-06	4.93E-07	4.34E-07	0.00E+00	0.00E+00	1.79E-07	4.05E-08	2.57E-07	3.96E-08	3.36E-08	5.49E-07
95	486733.18	3855743.15	1.56E-03	1.91E-03	1.68E-03	5.40E-07	1.63E-06	9.45E-07	1.16E-06	1.05E-06	4.79E-07	4.21E-07	0.00E+00	0.00E+00	1.74E-07	3.93E-08	2.49E-07	3.84E-08	3.26E-08	5.33E-07
96	486783.18	3855743.15	1.54E-03	1.89E-03	1.66E-03	5.34E-07	1.61E-06	9.34E-07	1.14E-06	1.04E-06	4.73E-07	4.16E-07	0.00E+00	0.00E+00	1.72E-07	3.88E-08	2.46E-07	3.80E-08	3.22E-08	5.27E-07
97	486533.18	3855793.15	1.92E-03	2.35E-03	2.07E-03	6.65E-07	2.01E-06	1.16E-06	1.42E-06	1.29E-06	5.89E-07	5.18E-07	0.00E+00	0.00E+00	2.14E-07	4.83E-08	3.07E-07	4.73E-08	4.01E-08	6.56E-07
98	486583.18	3855793.15	1.79E-03	2.19E-03	1.93E-03	6.20E-07	1.87E-06	1.08E-06	1.33E-06	1.20E-06	5.49E-07	4.83E-07	0.00E+00	0.00E+00	1.99E-07	4.50E-08	2.86E-07	4.41E-08	3.74E-08	6.12E-07
99	486633.18	3855793.15	1.74E-03	2.13E-03	1.88E-03	6.03E-07	1.82E-06	1.05E-06	1.29E-06	1.17E-06	5.34E-07	4.70E-07	0.00E+00	0.00E+00	1.94E-07	4.38E-08	2.78E-07	4.29E-08	3.64E-08	5.95E-07
100	486683.18	3855793.15	1.70E-03	2.08E-03	1.83E-03	5.88E-07	1.78E-06	1.03E-06	1.26E-06	1.14E-06	5.21E-07	4.58E-07	0.00E+00	0.00E+00	1.89E-07	4.28E-08	2.71E-07	4.18E-08	3.55E-08	5.81E-07
101	486733.18	3855793.15	1.65E-03	2.02E-03	1.78E-03	5.72E-07	1.73E-06	1.00E-06	1.22E-06	1.11E-06	5.07E-07	4.46E-07	0.00E+00	0.00E+00	1.84E-07	4.16E-08	2.64E-07	4.07E-08	3.45E-08	5.65E-07
102	486783.18	3855793.15	1.61E-03	1.98E-03	1.74E-03	5.58E-07	1.69E-06	9.76E-07	1.20E-06	1.08E-06	4.94E-07	4.35E-07	0.00E+00	0.00E+00	1.80E-07	4.06E-08	2.57E-07	3.97E-08	3.37E-08	5.51E-07
103	486533.18	3855843.15	2.01E-03	2.46E-03	2.16E-03	6.94E-07	2.10E-06	1.21E-06	1.49E-06	1.35E-06	6.15E-07	5.41E-07	0.00E+00	0.00E+00	2.23E-07	5.05E-08	3.20E-07	4.94E-08	4.19E-08	6.85E-07
104	486583.18	3855843.15	1.89E-03	2.31E-03	2.04E-03	6.54E-07	1.97E-06	1.14E-06	1.40E-06	1.27E-06	5.79E-07	5.09E-07	0.00E+00	0.00E+00	2.10E-07	4.75E-08	3.01E-07	4.65E-08	3.94E-08	6.45E-07
105	486633.18	3855843.15	1.84E-03	2.25E-03	1.98E-03	6.36E-07	1.92E-06	1.11E-06	1.36E-06	1.23E-06	5.63E-07	4.95E-07	0.00E+00	0.00E+00	2.04E-07	4.62E-08	2.93E-07	4.52E-08	3.84E-08	6.27E-07
106	486683.18	3855843.15	1.79E-03	2.19E-03	1.93E-03	6.19E-07	1.87E-06	1.08E-06	1.33E-06	1.20E-06	5.48E-07	4.83E-07	0.00E+00	0.00E+00	1.99E-07	4.50E-08	2.86E-07	4.40E-08	3.74E-08	6.11E-07
107	486733.18	3855843.15	1.74E-03	2.14E-03	1.88E-03	6.04E-07	1.82E-06	1.06E-06	1.29E-06	1.17E-06	5.35E-07	4.70E-07	0.00E+00	0.00E+00	1.94E-07	4.39E-08	2.78E-07	4.29E-08	3.64E-08	5.96E-07
108	486783.18	3855843.15	1.70E-03	2.08E-03	1.83E-03	5.88E-07	1.77E-06	1.03E-06	1.26E-06	1.14E-06	5.20E-07	4.58E-07	0.00E+00	0.00E+00	1.89E-07	4.27E-08	2.71E-07	4.18E-08	3.54E-08	5.80E-07
109	486533.18	3855893.15	2.07E-03	2.54E-03	2.23E-03	7.17E-07	2.16E-06	1.25E-06	1.53E-06	1.39E-06	6.35E-07	5.59E-07	0.00E+00	0.00E+00	2.31E-07	5.21E-08	3.31E-07	5.10E-08	4.33E-08	7.07E-07

110	486583.18	3855893.15	2.00E-03	2.45E-03	2.16E-03	6.94E-07	2.09E-06	1.21E-06	1.49E-06	1.35E-06	6.14E-07	5.41E-07	0.00E+00	0.00E+00	2.23E-07	5.04E-08	3.20E-07	4.93E-08	4.19E-08	6.85E-07
111	486633.18	3855893.15	1.94E-03	2.38E-03	2.09E-03	6.71E-07	2.03E-06	1.17E-06	1.44E-06	1.30E-06	5.94E-07	5.23E-07	0.00E+00	0.00E+00	2.16E-07	4.88E-08	3.10E-07	4.77E-08	4.05E-08	6.62E-07
112	486683.18	3855893.15	1.89E-03	2.31E-03	2.03E-03	6.53E-07	1.97E-06	1.14E-06	1.40E-06	1.27E-06	5.78E-07	5.09E-07	0.00E+00	0.00E+00	2.10E-07	4.74E-08	3.01E-07	4.64E-08	3.94E-08	6.44E-07
113	486733.18	3855893.15	1.84E-03	2.25E-03	1.98E-03	6.35E-07	1.92E-06	1.11E-06	1.36E-06	1.23E-06	5.63E-07	4.95E-07	0.00E+00	0.00E+00	2.04E-07	4.62E-08	2.93E-07	4.52E-08	3.83E-08	6.27E-07
114	486783.18	3855893.15	1.79E-03	2.20E-03	1.93E-03	6.21E-07	1.87E-06	1.08E-06	1.33E-06	1.20E-06	5.49E-07	4.84E-07	0.00E+00	0.00E+00	2.00E-07	4.51E-08	2.86E-07	4.41E-08	3.74E-08	6.12E-07
115	486533.18	3855943.15	2.19E-03	2.68E-03	2.36E-03	7.56E-07	2.28E-06	1.32E-06	1.62E-06	1.47E-06	6.70E-07	5.90E-07	0.00E+00	0.00E+00	2.43E-07	5.50E-08	3.49E-07	5.38E-08	4.57E-08	7.47E-07
116	486583.18	3855943.15	2.13E-03	2.61E-03	2.30E-03	7.38E-07	2.23E-06	1.29E-06	1.58E-06	1.43E-06	6.54E-07	5.75E-07	0.00E+00	0.00E+00	2.37E-07	5.36E-08	3.40E-07	5.25E-08	4.45E-08	7.28E-07
117	486633.18	3855943.15	2.05E-03	2.51E-03	2.21E-03	7.10E-07	2.15E-06	1.24E-06	1.52E-06	1.38E-06	6.29E-07	5.54E-07	0.00E+00	0.00E+00	2.28E-07	5.16E-08	3.28E-07	5.05E-08	4.29E-08	7.01E-07
118	486683.18	3855943.15	2.00E-03	2.45E-03	2.16E-03	6.92E-07	2.09E-06	1.21E-06	1.48E-06	1.34E-06	6.13E-07	5.39E-07	0.00E+00	0.00E+00	2.23E-07	5.03E-08	3.19E-07	4.92E-08	4.18E-08	6.83E-07
119	486733.18	3855943.15	1.94E-03	2.37E-03	2.09E-03	6.70E-07	2.02E-06	1.17E-06	1.43E-06	1.30E-06	5.93E-07	5.22E-07	0.00E+00	0.00E+00	2.16E-07	4.87E-08	3.09E-07	4.77E-08	4.05E-08	6.61E-07
120	486783.18	3855943.15	1.89E-03	2.32E-03	2.04E-03	6.55E-07	1.98E-06	1.14E-06	1.40E-06	1.27E-06	5.80E-07	5.10E-07	0.00E+00	0.00E+00	2.10E-07	4.76E-08	3.02E-07	4.65E-08	3.95E-08	6.46E-07
121	486533.18	3855993.15	2.33E-03	2.86E-03	2.52E-03	8.08E-07	2.44E-06	1.41E-06	1.73E-06	1.57E-06	7.15E-07	6.30E-07	0.00E+00	0.00E+00	2.60E-07	5.87E-08	3.73E-07	5.75E-08	4.88E-08	7.97E-07
122	486583.18	3855993.15	2.26E-03	2.76E-03	2.43E-03	7.81E-07	2.36E-06	1.36E-06	1.67E-06	1.52E-06	6.91E-07	6.09E-07	0.00E+00	0.00E+00	2.51E-07	5.67E-08	3.60E-07	5.55E-08	4.71E-08	7.70E-07
123	486633.18	3855993.15	2.18E-03	2.67E-03	2.35E-03	7.54E-07	2.28E-06	1.32E-06	1.61E-06	1.46E-06	6.68E-07	5.88E-07	0.00E+00	0.00E+00	2.43E-07	5.48E-08	3.48E-07	5.36E-08	4.55E-08	7.44E-07
124	486683.18	3855993.15	2.12E-03	2.59E-03	2.28E-03	7.33E-07	2.21E-06	1.28E-06	1.57E-06	1.42E-06	6.49E-07	5.71E-07	0.00E+00	0.00E+00	2.36E-07	5.33E-08	3.38E-07	5.21E-08	4.42E-08	7.23E-07
125	486733.18	3855993.15	2.05E-03	2.51E-03	2.21E-03	7.10E-07	2.14E-06	1.24E-06	1.52E-06	1.38E-06	6.28E-07	5.53E-07	0.00E+00	0.00E+00	2.28E-07	5.16E-08	3.27E-07	5.05E-08	4.28E-08	7.00E-07
126	486783.18	3855993.15	1.99E-03	2.44E-03	2.15E-03	6.90E-07	2.08E-06	1.21E-06	1.48E-06	1.34E-06	6.11E-07	5.38E-07	0.00E+00	0.00E+00	2.22E-07	5.01E-08	3.18E-07	4.91E-08	4.16E-08	6.81E-07
127	486533.18	3856043.15	2.49E-03	3.05E-03	2.69E-03	8.63E-07	2.61E-06	1.51E-06	1.85E-06	1.68E-06	7.64E-07	6.73E-07	0.00E+00	0.00E+00	2.78E-07	6.27E-08	3.98E-07	6.14E-08	5.21E-08	8.52E-07
128	486583.18	3856043.15	2.41E-03	2.95E-03	2.60E-03	8.35E-07	2.52E-06	1.46E-06	1.79E-06	1.62E-06	7.39E-07	6.51E-07	0.00E+00	0.00E+00	2.69E-07	6.07E-08	3.85E-07	5.94E-08	5.04E-08	8.24E-07
129	486633.18	3856043.15	2.32E-03	2.84E-03	2.50E-03	8.03E-07	2.42E-06	1.40E-06	1.72E-06	1.56E-06	7.11E-07	6.26E-07	0.00E+00	0.00E+00	2.58E-07	5.83E-08	3.70E-07	5.71E-08	4.85E-08	7.92E-07
130	486683.18	3856043.15	2.25E-03	2.76E-03	2.43E-03	7.79E-07	2.35E-06	1.36E-06	1.67E-06	1.51E-06	6.90E-07	6.08E-07	0.00E+00	0.00E+00	2.51E-07	5.66E-08	3.59E-07	5.54E-08	4.71E-08	7.69E-07
131	486733.18	3856043.15	2.17E-03	2.66E-03	2.34E-03	7.52E-07	2.27E-06	1.31E-06	1.61E-06	1.46E-06	6.66E-07	5.86E-07	0.00E+00	0.00E+00	2.42E-07	5.46E-08	3.47E-07	5.35E-08	4.54E-08	7.42E-07
132	486783.18	3856043.15	2.12E-03	2.59E-03	2.28E-03	7.33E-07	2.21E-06	1.28E-06	1.57E-06	1.42E-06	6.49E-07	5.71E-07	0.00E+00	0.00E+00	2.36E-07	5.32E-08	3.38E-07	5.21E-08	4.42E-08	7.23E-07
133	486533.18	3856093.15	2.69E-03	3.30E-03	2.91E-03	9.33E-07	2.82E-06	1.63E-06	2.00E-06	1.81E-06	8.26E-07	7.27E-07	0.00E+00	0.00E+00	3.00E-07	6.78E-08	4.30E-07	6.63E-08	5.63E-08	9.21E-07
134	486583.18	3856093.15	2.59E-03	3.17E-03	2.79E-03	8.95E-07	2.70E-06	1.56E-06	1.92E-06	1.74E-06	7.93E-07	6.98E-07	0.00E+00	0.00E+00	2.88E-07	6.50E-08	4.13E-07	6.36E-08	5.40E-08	8.83E-07
135	486633.18	3856093.15	2.48E-03	3.04E-03	2.68E-03	8.60E-07	2.60E-06	1.50E-06	1.84E-06	1.67E-06	7.61E-07	6.70E-07	0.00E+00	0.00E+00	2.76E-07	6.25E-08	3.96E-07	6.11E-08	5.19E-08	8.48E-07
136	486683.18	3856093.15	2.40E-03	2.94E-03	2.59E-03	8.31E-07	2.51E-06	1.45E-06	1.78E-06	1.61E-06	7.36E-07	6.48E-07	0.00E+00	0.00E+00	2.67E-07	6.04E-08	3.83E-07	5.91E-08	5.02E-08	8.20E-07
137	486733.18	3856093.15	2.31E-03	2.84E-03	2.50E-03	8.01E-07	2.42E-06	1.40E-06	1.72E-06	1.55E-06	7.10E-07	6.25E-07	0.00E+00	0.00E+00	2.58E-07	5.82E-08	3.69E-07	5.70E-08	4.84E-08	7.91E-07
138	486783.18	3856093.15	2.24E-03	2.75E-03	2.42E-03	7.77E-07	2.35E-06	1.36E-06	1.66E-06	1.51E-06	6.88E-07	6.06E-07	0.00E+00	0.00E+00	2.50E-07	5.64E-08	3.58E-07	5.52E-08	4.69E-08	7.67E-07
139	486533.18	3856143.15	2.92E-03	3.58E-03	3.15E-03	1.01E-06	3.05E-06	1.77E-06	2.16E-06	1.96E-06	8.95E-07	7.88E-07	0.00E+00	0.00E+00	3.25E-07	7.35E-08	4.66E-07	7.19E-08	6.11E-08	9.98E-07
140	486583.18	3856143.15	2.78E-03	3.40E-03	3.00E-03	9.62E-07	2.91E-06	1.68E-06	2.06E-06	1.87E-06	8.52E-07	7.50E-07	0.00E+00	0.00E+00	3.09E-07	6.99E-08	4.44E-07	6.84E-08	5.81E-08	9.50E-07
141	486633.18	3856143.15	2.67E-03	3.27E-03	2.88E-03	9.25E-07	2.79E-06	1.62E-06	1.98E-06	1.79E-06	8.19E-07	7.21E-07	0.00E+00	0.00E+00	2.97E-07	6.72E-08	4.26E-07	6.58E-08	5.58E-08	9.13E-07
142	486683.18	3856143.15	2.57E-03	3.14E-03	2.77E-03	8.89E-07	2.68E-06	1.55E-06	1.90E-06	1.72E-06	7.87E-07	6.93E-07	0.00E+00	0.00E+00	2.86E-07	6.46E-08	4.10E-07	6.32E-08	5.37E-08	8.77E-07
143	486733.18	3856143.15	2.47E-03	3.03E-03	2.67E-03	8.56E-07	2.58E-06	1.50E-06	1.83E-06	1.66E-06	7.58E-07	6.67E-07	0.00E+00	0.00E+00	2.75E-07	6.22E-08	3.95E-07	6.08E-08	5.17E-08	8.44E-07
144	486783.18	3856143.15	2.40E-03	2.94E-03	2.59E-03	8.31E-07	2.51E-06	1.45E-06	1.78E-06	1.61E-06	7.35E-07	6.48E-07	0.00E+00	0.00E+00	2.67E-07	6.04E-08	3.83E-07	5.91E-08	5.02E-08	8.20E-07
145	486533.18	3856193.15	3.21E-03	3.93E-03	3.46E-03	1.11E-06	3.35E-06	1.94E-06	2.38E-06	2.15E-06	9.83E-07	8.66E-07	0.00E+00	0.00E+00	3.57E-07	8.07E-08	5.12E-07	7.89E-08	6.71E-08	1.10E-06
146	486583.18	3856193.15	3.02E-03	3.70E-03	3.26E-03	1.05E-06	3.16E-06	1.83E-06	2.24E-06	2.03E-06	9.26E-07	8.16E-07	0.00E+00	0.00E+00	3.36E-07	7.60E-08	4.82E-07	7.44E-08	6.32E-08	1.03E-06
147	486633.18	3856193.15	2.89E-03	3.54E-03	3.11E-03	9.99E-07	3.02E-06	1.75E-06	2.14E-06	1.94E-06	8.85E-07	7.80E-07	0.00E+00	0.00E+00	3.21E-07	7.26E-08	4.61E-07	7.11E-08	6.04E-08	9.86E-07
148	486683.18	3856193.15	2.78E-03	3.40E-03	2.99E-03	9.61E-07	2.90E-06	1.68E-06	2.06E-06	1.86E-06	8.51E-07	7.49E-07	0.00E+00	0.00E+00	3.09E-07	6.98E-08	4.43E-07	6.83E-08	5.80E-08	9.48E-07
149	486733.18	3856193.15	2.65E-03	3.25E-03	2.86E-03	9.19E-07	2.77E-06	1.61E-06	1.97E-06	1.78E-06	8.14E-07	7.17E-07	0.00E+00	0.00E+00	2.95E-07	6.68E-08	4.24E-07	6.53E-08	5.55E-08	9.07E-07
150	486783.18	3856193.15	2.56E-03	3.14E-03	2.77E-03	8.88E-07	2.68E-06	1.55E-06	1.90E-06	1.72E-06	7.86E-07	6.92E-07	0.00E+00	0.00E+00	2.85E-07	6.45E-08	4.09E-07	6.31E-08	5.36E-08	8.76E-07
151	486533.18	3856243.15	3.54E-03	4.33E-03	3.82E-03	1.22E-06	3.70E-06	2.14E-06	2.62E-06	2.38E-06	1.08E-06	9.55E-07	0.00E+00	0.00E+00	3.94E-07	8.90E-08	5.65E-07	8.71E-08	7.40E-08	1.21E-06
152	486583.18	3856243.15	3.33E-03	4.07E-03	3.59E-03	1.15E-06	3.48E-06	2.01E-06	2.46E-06	2.23E-06	1.02E-06	8.98E-07	0.00E+00	0.00E+00	3.70E-07	8.36E-08	5.31E-07	8.18E-08	6.95E-08	1.14E-06
153	486633.18	3856243.15	3.14E-03	3.85E-03	3.39E-03	1.09E-06	3.29E-06	1.90E-06	2.33E-06	2.11E-06	9.64E-07	8.49E-07	0.00E+00	0.00E+00	3.50E-07	7.91E-08	5.02E-07	7.74E-08	6.58E-08	1.07E-06
154	486683.18	3856243.15	2.99E-03	3.67E-03	3.23E-03	1.04E-06	3.13E-06	1.81E-06	2.22E-06	2.01E-06	9.18E-07	8.08E-07	0.00E+00	0.00E+00	3.33E-07	7.53E-08	4.78E-07	7.37E-08	6.26E-08	1.02E-06
155	486733.18	3856243.15	2.87E-03	3.51E-03	3.09E-03	9.92E-07	2.99E-06	1.73E-06	2.12E-06	1.92E-06	8.78E-07	7.74E-07	0.00E+00	0.00E+00	3.19E-07	7.21E-08	4.57E-07	7.05E-08	5.99E-08	9.79E-07
156	486783.18	3856243.15	2.74E-03	3.36E-03	2.96E-03	9.49E-07	2.86E-06	1.66E-06	2.03E-06	1.84E-06	8.40E-07	7.40E-07	0.00E+00	0.00E+00	3.05E-07	6.89E-08	4.37E-07	6.75E-08	5.73E-08	9.36E-07
157	486533.18	3856293.15	3.95E-03	4.84E-03	4.27E-03	1.37E-06	4.13E-06	2.39E-06	2.93E-06	2.66E-06	1.21E-06	1.07E-06	0.00E+00	0.00E+00	4.40E-07	9.94E-08	6.31E-07	9.73E-08	8.27E-08	1.35E-06
158	486583.18	3856293.15	3.67E-03	4.50E-03	3.96E-03	1.27E-06	3.84E-06	2.22E-06	2.72E-06	2.47E-06	1.13E-06	9.92E-07	0.00E+00	0.00E+00	4.09E-07	9.24E-08	5.86E-07	9.04E-08	7.68E-08	1.25E-06
159	486633.18	3856293.15	3.44E-03	4.22E-03	3.72E-03	1.19E-06	3.60E-06	2.08E-06	2.55E-06	2.31E-06	1.06E-06	9.30E-07	0.00E+00	0.00E+00	3.83E-07	8.66E-08	5.50E-07	8.48E-08	7.20E-08	1.18E-06
160	486683.18	3856293.15	3.25E-03	3.99E-03	3.51E-03	1.13E-06	3.40E-06	1.97E-06	2.41E-06	2.19E-06	9.97E-07	8.79E-07	0.00E+00	0.00E+00	3.62E-07	8.18E-08	5.19E-07	8.01E-08	6.80E-08	1.11E-06
161	486733.18	3856293.15	3.10E-03	3.79E-03	3.34E-03	1.07E-06	3.24E-06	1.87E-06	2.30E-06	2.08E-06	9.49E-07	8.36E-07	0.00E+00	0.00E+00	3.45E-07	7.79E-08	4.94E-07	7.62E-08	6.48E-08	1.06E-06
162	486783.18	3856293.15	2.95E-03	3.61E-03	3.18E-03	1.02E-06	3.08E-06	1.78E-06	2.18E-06	1.98E-06	9.03E-07	7.95E-07	0.00E+00	0.00E+00	3.28E-07	7.41E-08	4.70E-07	7.25E-08	6.16E-08	1.01E-06
163	486783.18	3856343.15	3.19E-03	3.90E-03	3.44E-03	1.10E-06	3.33E-06	1.93E-06	2.36E-06	2.14E-06	9.77E-07	8.60E-07	0.00E+00	0.00E+00	3.55E-07	8.01E-08	5.09E-07	7.84E-08	6.66E-08	1.09E-06
164	486833.18	3856343.15	3.03E-03	3.71E-03	3.26E-03	1.05E-06	3.16E-06	1.83E-06	2.24E-06	2.03E-06	9.28E-07	8.17E-07	0.00E+00	0.00E+00	3.37E-07	7.61E-08	4.83E-07	7.45E-08	6.33E-08	1.03E-06
165	486883.18	3856343.15	2.88E-03	3.53E-03	3.11E-03	9.99E-07	3.01E-06	1.75E-06	2.14E-06	1.94E-06	8.84E-07	7.79E-07	0.00E+00	0.00E+00	3.21E-07	7.26E-08	4.60E-07	7.10E-08	6.03E-08	9.85E-07
166	486783.18	3856393.15	3.44E-03	4.22E-03	3.72E-03	1.19E-06	3.60E-06	2.08E-06	2.55E-06	2.31E-06	1.06E-06	9.30E-07	0.00E+00	0.00E+00	3.83E-07	8.66E-08	5.50E-07	8.48E-08	7.20E-08	1.18E-06
167	486833.18	3856393.15	3.25E-03	3.98E-03	3.51E-03	1.13E-06	3.40E-06	1.97E-06	2.41E-06	2.19E-06	9.97E-07	8.78E-07	0.00E+00	0.00E+00	3.62E-07	8.18E-08	5.19E-07	8.01E-08	6.80E-08	1.11E-06

168	486883.18	3856393.15	3.08E-03	3.77E-03	3.32E-03	1.07E-06	3.22E-06	1.86E-06	2.28E-06	2.07E-06	9.44E-07	8.31E-07	0.00E+00	0.00E+00	3.43E-07	7.74E-08	4.91E-07	7.58E-08	6.44E-08	1.05E-06
169	487208.74	3856886.11	4.15E-03	5.08E-03	4.47E-03	1.43E-06	4.33E-06	2.51E-06	3.07E-06	2.78E-06	1.27E-06	1.12E-06	0.00E+00	0.00E+00	4.61E-07	1.04E-07	6.62E-07	1.02E-07	8.66E-08	1.42E-06
170	487258.74	3856886.11	3.79E-03	4.65E-03	4.09E-03	1.31E-06	3.96E-06	2.29E-06	2.81E-06	2.55E-06	1.16E-06	1.02E-06	0.00E+00	0.00E+00	4.22E-07	9.54E-08	6.05E-07	9.34E-08	7.92E-08	1.30E-06
171	487308.74	3856886.11	3.49E-03	4.28E-03	3.77E-03	1.21E-06	3.65E-06	2.11E-06	2.59E-06	2.35E-06	1.07E-06	9.42E-07	0.00E+00	0.00E+00	3.89E-07	8.79E-08	5.58E-07	8.60E-08	7.30E-08	1.19E-06
172	487358.74	3856886.11	3.25E-03	3.98E-03	3.50E-03	1.12E-06	3.39E-06	1.96E-06	2.41E-06	2.18E-06	9.95E-07	8.75E-07	0.00E+00	0.00E+00	3.61E-07	8.17E-08	5.18E-07	7.99E-08	6.78E-08	1.11E-06
173	487208.74	3856936.11	4.42E-03	5.41E-03	4.76E-03	1.53E-06	4.62E-06	2.67E-06	3.27E-06	2.97E-06	1.35E-06	1.19E-06	0.00E+00	0.00E+00	4.92E-07	1.11E-07	7.05E-07	1.09E-07	9.22E-08	1.51E-06
174	487258.74	3856936.11	3.97E-03	4.86E-03	4.27E-03	1.37E-06	4.14E-06	2.40E-06	2.94E-06	2.66E-06	1.22E-06	1.07E-06	0.00E+00	0.00E+00	4.41E-07	9.97E-08	6.33E-07	9.76E-08	8.28E-08	1.35E-06
175	487308.74	3856936.11	3.61E-03	4.42E-03	3.89E-03	1.25E-06	3.77E-06	2.18E-06	2.68E-06	2.43E-06	1.11E-06	9.73E-07	0.00E+00	0.00E+00	4.02E-07	9.08E-08	5.76E-07	8.89E-08	7.53E-08	1.23E-06
176	487358.74	3856936.11	3.33E-03	4.08E-03	3.58E-03	1.15E-06	3.48E-06	2.01E-06	2.47E-06	2.24E-06	1.02E-06	8.97E-07	0.00E+00	0.00E+00	3.71E-07	8.37E-08	5.31E-07	8.19E-08	6.94E-08	1.14E-06
177	487208.74	3856986.11	4.44E-03	5.44E-03	4.78E-03	1.54E-06	4.64E-06	2.69E-06	3.29E-06	2.98E-06	1.36E-06	1.20E-06	0.00E+00	0.00E+00	4.94E-07	1.12E-07	7.08E-07	1.09E-07	9.26E-08	1.52E-06
178	487258.74	3856986.11	3.97E-03	4.86E-03	4.27E-03	1.37E-06	4.15E-06	2.40E-06	2.94E-06	2.67E-06	1.22E-06	1.07E-06	0.00E+00	0.00E+00	4.42E-07	9.99E-08	6.34E-07	9.77E-08	8.28E-08	1.36E-06
179	487308.74	3856986.11	3.63E-03	4.45E-03	3.90E-03	1.26E-06	3.79E-06	2.20E-06	2.69E-06	2.44E-06	1.11E-06	9.76E-07	0.00E+00	0.00E+00	4.04E-07	9.13E-08	5.79E-07	8.93E-08	7.56E-08	1.24E-06
180	487358.74	3856986.11	3.35E-03	4.10E-03	3.60E-03	1.16E-06	3.50E-06	2.03E-06	2.48E-06	2.25E-06	1.03E-06	9.00E-07	0.00E+00	0.00E+00	3.73E-07	8.42E-08	5.35E-07	8.24E-08	6.97E-08	1.14E-06
181	487208.74	3857036.11	4.25E-03	5.20E-03	4.56E-03	1.47E-06	4.44E-06	2.57E-06	3.15E-06	2.85E-06	1.30E-06	1.14E-06	0.00E+00	0.00E+00	4.73E-07	1.07E-07	6.78E-07	1.05E-07	8.83E-08	1.45E-06
182	487258.74	3857036.11	3.89E-03	4.77E-03	4.17E-03	1.35E-06	4.07E-06	2.36E-06	2.89E-06	2.62E-06	1.19E-06	1.04E-06	0.00E+00	0.00E+00	4.34E-07	9.80E-08	6.22E-07	9.59E-08	8.09E-08	1.33E-06
183	487308.74	3857036.11	3.60E-03	4.40E-03	3.85E-03	1.25E-06	3.76E-06	2.18E-06	2.67E-06	2.42E-06	1.10E-06	9.64E-07	0.00E+00	0.00E+00	4.00E-07	9.05E-08	5.74E-07	8.85E-08	7.46E-08	1.23E-06
184	487358.74	3857036.11	3.35E-03	4.10E-03	3.59E-03	1.16E-06	3.50E-06	2.03E-06	2.48E-06	2.25E-06	1.03E-06	8.98E-07	0.00E+00	0.00E+00	3.73E-07	8.43E-08	5.35E-07	8.25E-08	6.95E-08	1.14E-06
185	487427.14	3856878.23	2.94E-03	3.61E-03	3.17E-03	1.02E-06	3.08E-06	1.78E-06	2.18E-06	1.98E-06	9.02E-07	7.93E-07	0.00E+00	0.00E+00	3.28E-07	7.40E-08	4.70E-07	7.25E-08	6.14E-08	1.01E-06
186	487477.14	3856878.23	2.77E-03	3.39E-03	2.98E-03	9.59E-07	2.90E-06	1.68E-06	2.05E-06	1.86E-06	8.50E-07	7.47E-07	0.00E+00	0.00E+00	3.09E-07	6.97E-08	4.42E-07	6.82E-08	5.78E-08	9.47E-07
187	487527.14	3856878.23	2.62E-03	3.21E-03	2.82E-03	9.08E-07	2.74E-06	1.59E-06	1.94E-06	1.76E-06	8.04E-07	7.06E-07	0.00E+00	0.00E+00	2.92E-07	6.60E-08	4.19E-07	6.45E-08	5.47E-08	8.96E-07
188	487427.14	3856928.23	3.01E-03	3.69E-03	3.24E-03	1.04E-06	3.15E-06	1.82E-06	2.23E-06	2.02E-06	9.23E-07	8.11E-07	0.00E+00	0.00E+00	3.35E-07	7.57E-08	4.81E-07	7.41E-08	6.28E-08	1.03E-06
189	487477.14	3856928.23	2.83E-03	3.47E-03	3.04E-03	9.80E-07	2.96E-06	1.71E-06	2.10E-06	1.90E-06	8.68E-07	7.62E-07	0.00E+00	0.00E+00	3.15E-07	7.12E-08	4.52E-07	6.97E-08	5.90E-08	9.67E-07
190	487527.14	3856928.23	2.67E-03	3.27E-03	2.87E-03	9.25E-07	2.79E-06	1.62E-06	1.98E-06	1.80E-06	8.19E-07	7.19E-07	0.00E+00	0.00E+00	2.98E-07	6.72E-08	4.27E-07	6.58E-08	5.57E-08	9.13E-07
191	487577.14	3856928.23	2.53E-03	3.10E-03	2.72E-03	8.77E-07	2.65E-06	1.53E-06	1.88E-06	1.70E-06	7.77E-07	6.81E-07	0.00E+00	0.00E+00	2.82E-07	6.38E-08	4.05E-07	6.24E-08	5.28E-08	8.66E-07
192	487627.14	3856928.23	2.42E-03	2.96E-03	2.59E-03	8.36E-07	2.52E-06	1.46E-06	1.79E-06	1.62E-06	7.40E-07	6.49E-07	0.00E+00	0.00E+00	2.69E-07	6.07E-08	3.85E-07	5.94E-08	5.02E-08	8.25E-07
193	487677.14	3856928.23	2.31E-03	2.82E-03	2.47E-03	7.98E-07	2.41E-06	1.39E-06	1.71E-06	1.55E-06	7.07E-07	6.19E-07	0.00E+00	0.00E+00	2.57E-07	5.80E-08	3.68E-07	5.67E-08	4.79E-08	7.87E-07
194	487727.14	3856928.23	2.21E-03	2.70E-03	2.37E-03	7.63E-07	2.30E-06	1.33E-06	1.63E-06	1.48E-06	6.76E-07	5.92E-07	0.00E+00	0.00E+00	2.45E-07	5.55E-08	3.52E-07	5.43E-08	4.58E-08	7.53E-07
195	487777.14	3856928.23	2.12E-03	2.59E-03	2.27E-03	7.33E-07	2.21E-06	1.28E-06	1.57E-06	1.42E-06	6.49E-07	5.68E-07	0.00E+00	0.00E+00	2.36E-07	5.32E-08	3.38E-07	5.21E-08	4.40E-08	7.23E-07
196	487427.14	3856978.23	3.05E-03	3.73E-03	3.27E-03	1.06E-06	3.19E-06	1.84E-06	2.26E-06	2.05E-06	9.34E-07	8.19E-07	0.00E+00	0.00E+00	3.39E-07	7.67E-08	4.86E-07	7.50E-08	6.34E-08	1.04E-06
197	487477.14	3856978.23	2.87E-03	3.51E-03	3.07E-03	9.92E-07	2.99E-06	1.73E-06	2.12E-06	1.92E-06	8.78E-07	7.69E-07	0.00E+00	0.00E+00	3.19E-07	7.21E-08	4.57E-07	7.05E-08	5.96E-08	9.78E-07
198	487527.14	3856978.23	2.71E-03	3.32E-03	2.90E-03	9.37E-07	2.83E-06	1.64E-06	2.01E-06	1.82E-06	8.30E-07	7.27E-07	0.00E+00	0.00E+00	3.01E-07	6.81E-08	4.32E-07	6.66E-08	5.63E-08	9.25E-07
199	487577.14	3856978.23	2.57E-03	3.15E-03	2.76E-03	8.90E-07	2.69E-06	1.56E-06	1.90E-06	1.73E-06	7.88E-07	6.90E-07	0.00E+00	0.00E+00	2.86E-07	6.47E-08	4.10E-07	6.33E-08	5.34E-08	8.78E-07
200	487627.14	3856978.23	2.45E-03	3.00E-03	2.63E-03	8.48E-07	2.56E-06	1.48E-06	1.82E-06	1.65E-06	7.51E-07	6.57E-07	0.00E+00	0.00E+00	2.73E-07	6.16E-08	3.91E-07	6.03E-08	5.09E-08	8.37E-07
201	487677.14	3856978.23	2.34E-03	2.86E-03	2.51E-03	8.10E-07	2.44E-06	1.42E-06	1.73E-06	1.57E-06	7.17E-07	6.27E-07	0.00E+00	0.00E+00	2.60E-07	5.88E-08	3.73E-07	5.76E-08	4.86E-08	7.99E-07
202	487727.14	3856978.23	2.25E-03	2.75E-03	2.40E-03	7.77E-07	2.35E-06	1.36E-06	1.66E-06	1.51E-06	6.88E-07	6.02E-07	0.00E+00	0.00E+00	2.50E-07	5.65E-08	3.58E-07	5.53E-08	4.66E-08	7.67E-07
203	487777.14	3856978.23	2.15E-03	2.63E-03	2.30E-03	7.43E-07	2.24E-06	1.30E-06	1.59E-06	1.44E-06	6.58E-07	5.75E-07	0.00E+00	0.00E+00	2.39E-07	5.40E-08	3.43E-07	5.28E-08	4.45E-08	7.33E-07
204	487427.14	3857028.23	3.07E-03	3.76E-03	3.28E-03	1.06E-06	3.21E-06	1.86E-06	2.27E-06	2.06E-06	9.40E-07	8.22E-07	0.00E+00	0.00E+00	3.41E-07	7.71E-08	4.90E-07	7.55E-08	6.36E-08	1.05E-06
205	487477.14	3857028.23	2.89E-03	3.54E-03	3.10E-03	1.00E-06	3.02E-06	1.75E-06	2.14E-06	1.94E-06	8.87E-07	7.75E-07	0.00E+00	0.00E+00	3.22E-07	7.28E-08	4.62E-07	7.12E-08	6.00E-08	9.88E-07
206	487527.14	3857028.23	2.74E-03	3.36E-03	2.93E-03	9.49E-07	2.87E-06	1.66E-06	2.03E-06	1.84E-06	8.41E-07	7.34E-07	0.00E+00	0.00E+00	3.05E-07	6.90E-08	4.38E-07	6.75E-08	5.68E-08	9.36E-07
207	487577.14	3857028.23	2.61E-03	3.19E-03	2.79E-03	9.02E-07	2.72E-06	1.58E-06	1.93E-06	1.75E-06	7.99E-07	6.98E-07	0.00E+00	0.00E+00	2.90E-07	6.56E-08	4.16E-07	6.42E-08	5.40E-08	8.90E-07
208	487627.14	3857028.23	2.49E-03	3.05E-03	2.66E-03	8.62E-07	2.60E-06	1.51E-06	1.84E-06	1.67E-06	7.63E-07	6.66E-07	0.00E+00	0.00E+00	2.77E-07	6.26E-08	3.97E-07	6.13E-08	5.16E-08	8.50E-07
209	487677.14	3857028.23	2.38E-03	2.91E-03	2.54E-03	8.23E-07	2.49E-06	1.44E-06	1.76E-06	1.60E-06	7.29E-07	6.36E-07	0.00E+00	0.00E+00	2.65E-07	5.98E-08	3.79E-07	5.85E-08	4.92E-08	8.12E-07
210	487727.14	3857028.23	2.27E-03	2.78E-03	2.43E-03	7.87E-07	2.38E-06	1.38E-06	1.68E-06	1.53E-06	6.97E-07	6.08E-07	0.00E+00	0.00E+00	2.53E-07	5.72E-08	3.63E-07	5.60E-08	4.71E-08	7.76E-07
211	487777.14	3857028.23	2.18E-03	2.67E-03	2.33E-03	7.55E-07	2.28E-06	1.32E-06	1.62E-06	1.47E-06	6.69E-07	5.83E-07	0.00E+00	0.00E+00	2.43E-07	5.49E-08	3.48E-07	5.37E-08	4.52E-08	7.45E-07
212	487427.14	3857078.23	3.12E-03	3.82E-03	3.32E-03	1.08E-06	3.26E-06	1.89E-06	2.31E-06	2.10E-06	9.56E-07	8.32E-07	0.00E+00	0.00E+00	3.47E-07	7.84E-08	4.98E-07	7.68E-08	6.44E-08	1.06E-06
213	487477.14	3857078.23	2.95E-03	3.61E-03	3.14E-03	1.02E-06	3.08E-06	1.78E-06	2.19E-06	1.98E-06	9.04E-07	7.87E-07	0.00E+00	0.00E+00	3.28E-07	7.42E-08	4.71E-07	7.26E-08	6.09E-08	1.01E-06
214	487527.14	3857078.23	2.80E-03	3.42E-03	2.98E-03	9.68E-07	2.92E-06	1.69E-06	2.07E-06	1.88E-06	8.57E-07	7.46E-07	0.00E+00	0.00E+00	3.11E-07	7.03E-08	4.46E-07	6.88E-08	5.78E-08	9.55E-07
215	487577.14	3857078.23	2.66E-03	3.26E-03	2.83E-03	9.21E-07	2.78E-06	1.61E-06	1.97E-06	1.79E-06	8.15E-07	7.10E-07	0.00E+00	0.00E+00	2.96E-07	6.69E-08	4.25E-07	6.55E-08	5.49E-08	9.08E-07
216	487627.14	3857078.23	2.54E-03	3.11E-03	2.71E-03	8.79E-07	2.65E-06	1.54E-06	1.88E-06	1.71E-06	7.78E-07	6.77E-07	0.00E+00	0.00E+00	2.83E-07	6.39E-08	4.05E-07	6.25E-08	5.24E-08	8.67E-07
217	487677.14	3857078.23	2.43E-03	2.97E-03	2.58E-03	8.40E-07	2.53E-06	1.47E-06	1.80E-06	1.63E-06	7.43E-07	6.47E-07	0.00E+00	0.00E+00	2.70E-07	6.10E-08	3.87E-07	5.97E-08	5.01E-08	8.28E-07
218	487727.14	3857078.23	2.32E-03	2.84E-03	2.47E-03	8.03E-07	2.43E-06	1.40E-06	1.72E-06	1.56E-06	7.11E-07	6.19E-07	0.00E+00	0.00E+00	2.58E-07	5.84E-08	3.70E-07	5.71E-08	4.79E-08	7.92E-07
219	487777.14	3857078.23	2.23E-03	2.73E-03	2.37E-03	7.71E-07	2.33E-06	1.35E-06	1.65E-06	1.50E-06	6.83E-07	5.94E-07	0.00E+00	0.00E+00	2.48E-07	5.60E-08	3.55E-07	5.48E-08	4.60E-08	7.60E-07
220	487427.14	3857128.23	3.23E-03	3.96E-03	3.43E-03	1.12E-06	3.38E-06	1.96E-06	2.40E-06	2.17E-06	9.91E-07	8.58E-07	0.00E+00	0.00E+00	3.60E-07	8.13E-08	5.16E-07	7.96E-08	6.64E-08	1.10E-06
221	487477.14	3857128.23	3.05E-03	3.74E-03	3.24E-03	1.06E-06	3.19E-06	1.85E-06	2.26E-06	2.05E-06	9.35E-07	8.10E-07	0.00E+00	0.00E+00	3.40E-07	7.68E-08	4.87E-07	7.51E-08	6.27E-08	1.04E-06
222	487527.14	3857128.23	2.89E-03	3.54E-03	3.07E-03	1.00E-06	3.02E-06	1.75E-06	2.14E-06	1.94E-06	8.86E-07	7.68E-07	0.00E+00	0.00E+00	3.22E-07	7.27E-08	4.61E-07	7.11E-08	5.95E-08	9.86E-07
223	487577.14	3857128.23	2.74E-03	3.36E-03	2.91E-03	9.50E-07	2.87E-06	1.66E-06	2.03E-06	1.84E-06	8.41E-07	7.29E-07	0.00E+00	0.00E+00	3.05E-07	6.90E-08	4.38E-07	6.75E-08	5.64E-08	9.36E-07
224	487627.14	3857128.23	2.61E-03	3.20E-03	2.77E-03	9.03E-07	2.73E-06	1.58E-06	1.93E-06	1.75E-06	8.00E-07	6.94E-07	0.00E+00	0.00E+00	2.91E-07	6.56E-08	4.17E-07	6.42E-08	5.37E-08	8.91E-07
225	487677.14	3857128.23	2.49E-03	3.05E-03	2.65E-03	8.63E-07	2.60E-06	1.51E-06	1.85E-06	1.67E-06	7.64E-07	6.63E-07	0.00E+00	0.00E+00	2.77E-07	6.27E-08	3.98E-07	6.13E-08	5.13E-08	8.51E-07

226	487727.14	3857128.23	2.38E-03	2.91E-03	2.53E-03	8.23E-07	2.49E-06	1.44E-06	1.76E-06	1.60E-06	7.29E-07	6.33E-07	0.00E+00	0.00E+00	2.65E-07	5.98E-08	3.80E-07	5.85E-08	4.90E-08	8.12E-07
227	487777.14	3857128.23	2.28E-03	2.79E-03	2.42E-03	7.89E-07	2.38E-06	1.38E-06	1.69E-06	1.53E-06	6.99E-07	6.07E-07	0.00E+00	0.00E+00	2.54E-07	5.74E-08	3.64E-07	5.61E-08	4.70E-08	7.78E-07
228	488049.44	3856539.39	1.51E-03	1.85E-03	1.63E-03	5.23E-07	1.58E-06	9.15E-07	1.12E-06	1.02E-06	4.63E-07	4.07E-07	0.00E+00	0.00E+00	1.68E-07	3.80E-08	2.41E-07	3.72E-08	3.16E-08	5.16E-07
229	488099.44	3856539.39	1.47E-03	1.80E-03	1.59E-03	5.10E-07	1.54E-06	8.91E-07	1.09E-06	9.90E-07	4.52E-07	3.97E-07	0.00E+00	0.00E+00	1.64E-07	3.71E-08	2.35E-07	3.63E-08	3.07E-08	5.03E-07
230	488149.44	3856539.39	1.44E-03	1.76E-03	1.55E-03	4.97E-07	1.50E-06	8.69E-07	1.06E-06	9.64E-07	4.40E-07	3.87E-07	0.00E+00	0.00E+00	1.60E-07	3.61E-08	2.29E-07	3.53E-08	3.00E-08	4.90E-07
231	488049.44	3856589.39	1.55E-03	1.89E-03	1.66E-03	5.35E-07	1.62E-06	9.35E-07	1.15E-06	1.04E-06	4.74E-07	4.16E-07	0.00E+00	0.00E+00	1.72E-07	3.89E-08	2.47E-07	3.80E-08	3.22E-08	5.28E-07
232	488099.44	3856589.39	1.50E-03	1.84E-03	1.62E-03	5.21E-07	1.57E-06	9.10E-07	1.11E-06	1.01E-06	4.61E-07	4.05E-07	0.00E+00	0.00E+00	1.67E-07	3.78E-08	2.40E-07	3.70E-08	3.14E-08	5.14E-07
233	488149.44	3856589.39	1.47E-03	1.79E-03	1.58E-03	5.07E-07	1.53E-06	8.87E-07	1.09E-06	9.84E-07	4.49E-07	3.95E-07	0.00E+00	0.00E+00	1.63E-07	3.69E-08	2.34E-07	3.61E-08	3.06E-08	5.01E-07
234	488199.44	3856589.39	1.43E-03	1.75E-03	1.54E-03	4.95E-07	1.49E-06	8.64E-07	1.06E-06	9.60E-07	4.38E-07	3.85E-07	0.00E+00	0.00E+00	1.59E-07	3.59E-08	2.28E-07	3.52E-08	2.98E-08	4.88E-07
235	488249.44	3856589.39	1.39E-03	1.70E-03	1.50E-03	4.82E-07	1.45E-06	8.42E-07	1.03E-06	9.35E-07	4.27E-07	3.75E-07	0.00E+00	0.00E+00	1.55E-07	3.50E-08	2.22E-07	3.43E-08	2.90E-08	4.75E-07
236	488049.44	3856639.39	1.58E-03	1.93E-03	1.70E-03	5.46E-07	1.65E-06	9.55E-07	1.17E-06	1.06E-06	4.84E-07	4.25E-07	0.00E+00	0.00E+00	1.76E-07	3.97E-08	2.52E-07	3.88E-08	3.29E-08	5.39E-07
237	488099.44	3856639.39	1.54E-03	1.88E-03	1.65E-03	5.31E-07	1.60E-06	9.29E-07	1.14E-06	1.03E-06	4.71E-07	4.13E-07	0.00E+00	0.00E+00	1.71E-07	3.86E-08	2.45E-07	3.78E-08	3.20E-08	5.24E-07
238	488149.44	3856639.39	1.49E-03	1.83E-03	1.61E-03	5.17E-07	1.56E-06	9.04E-07	1.11E-06	1.00E-06	4.58E-07	4.02E-07	0.00E+00	0.00E+00	1.66E-07	3.76E-08	2.38E-07	3.68E-08	3.12E-08	5.10E-07
239	488199.44	3856639.39	1.45E-03	1.78E-03	1.56E-03	5.04E-07	1.52E-06	8.80E-07	1.08E-06	9.77E-07	4.46E-07	3.92E-07	0.00E+00	0.00E+00	1.62E-07	3.66E-08	2.32E-07	3.58E-08	3.03E-08	4.97E-07
240	488249.44	3856639.39	1.42E-03	1.74E-03	1.52E-03	4.91E-07	1.48E-06	8.58E-07	1.05E-06	9.52E-07	4.34E-07	3.81E-07	0.00E+00	0.00E+00	1.58E-07	3.56E-08	2.26E-07	3.49E-08	2.95E-08	4.84E-07
241	488299.44	3856639.39	1.38E-03	1.69E-03	1.49E-03	4.78E-07	1.44E-06	8.36E-07	1.02E-06	9.28E-07	4.23E-07	3.72E-07	0.00E+00	0.00E+00	1.54E-07	3.48E-08	2.21E-07	3.40E-08	2.88E-08	4.72E-07
242	488349.44	3856639.39	1.35E-03	1.65E-03	1.45E-03	4.67E-07	1.41E-06	8.16E-07	9.99E-07	9.06E-07	4.13E-07	3.63E-07	0.00E+00	0.00E+00	1.50E-07	3.39E-08	2.15E-07	3.32E-08	2.81E-08	4.60E-07
243	488399.44	3856639.39	1.32E-03	1.61E-03	1.41E-03	4.55E-07	1.37E-06	7.96E-07	9.75E-07	8.83E-07	4.03E-07	3.54E-07	0.00E+00	0.00E+00	1.46E-07	3.31E-08	2.10E-07	3.24E-08	2.74E-08	4.49E-07
244	488099.44	3856689.39	1.56E-03	1.92E-03	1.68E-03	5.41E-07	1.63E-06	9.46E-07	1.16E-06	1.05E-06	4.79E-07	4.21E-07	0.00E+00	0.00E+00	1.74E-07	3.93E-08	2.50E-07	3.85E-08	3.26E-08	5.34E-07
245	488149.44	3856689.39	1.52E-03	1.86E-03	1.64E-03	5.27E-07	1.59E-06	9.21E-07	1.13E-06	1.02E-06	4.66E-07	4.09E-07	0.00E+00	0.00E+00	1.69E-07	3.83E-08	2.43E-07	3.74E-08	3.17E-08	5.20E-07
246	488199.44	3856689.39	1.48E-03	1.81E-03	1.59E-03	5.12E-07	1.55E-06	8.96E-07	1.10E-06	9.94E-07	4.54E-07	3.98E-07	0.00E+00	0.00E+00	1.65E-07	3.72E-08	2.36E-07	3.64E-08	3.08E-08	5.05E-07
247	488249.44	3856689.39	1.44E-03	1.77E-03	1.55E-03	4.99E-07	1.51E-06	8.72E-07	1.07E-06	9.69E-07	4.42E-07	3.88E-07	0.00E+00	0.00E+00	1.61E-07	3.63E-08	2.30E-07	3.55E-08	3.00E-08	4.92E-07
248	488299.44	3856689.39	1.40E-03	1.72E-03	1.51E-03	4.86E-07	1.47E-06	8.50E-07	1.04E-06	9.43E-07	4.30E-07	3.78E-07	0.00E+00	0.00E+00	1.56E-07	3.53E-08	2.24E-07	3.46E-08	2.92E-08	4.80E-07
249	488349.44	3856689.39	1.37E-03	1.68E-03	1.47E-03	4.74E-07	1.43E-06	8.29E-07	1.01E-06	9.20E-07	4.20E-07	3.68E-07	0.00E+00	0.00E+00	1.52E-07	3.44E-08	2.19E-07	3.37E-08	2.85E-08	4.68E-07
250	488399.44	3856689.39	1.34E-03	1.64E-03	1.44E-03	4.63E-07	1.40E-06	8.09E-07	9.91E-07	8.98E-07	4.10E-07	3.60E-07	0.00E+00	0.00E+00	1.49E-07	3.36E-08	2.13E-07	3.29E-08	2.78E-08	4.57E-07
251	488099.44	3856739.39	1.59E-03	1.95E-03	1.71E-03	5.51E-07	1.66E-06	9.63E-07	1.18E-06	1.07E-06	4.88E-07	4.28E-07	0.00E+00	0.00E+00	1.77E-07	4.00E-08	2.54E-07	3.92E-08	3.31E-08	5.43E-07
252	488149.44	3856739.39	1.55E-03	1.90E-03	1.66E-03	5.36E-07	1.62E-06	9.36E-07	1.15E-06	1.04E-06	4.74E-07	4.16E-07	0.00E+00	0.00E+00	1.72E-07	3.89E-08	2.47E-07	3.81E-08	3.22E-08	5.28E-07
253	488199.44	3856739.39	1.50E-03	1.84E-03	1.62E-03	5.21E-07	1.57E-06	9.10E-07	1.11E-06	1.01E-06	4.61E-07	4.04E-07	0.00E+00	0.00E+00	1.67E-07	3.78E-08	2.40E-07	3.70E-08	3.13E-08	5.14E-07
254	488249.44	3856739.39	1.46E-03	1.79E-03	1.57E-03	5.07E-07	1.53E-06	8.86E-07	1.09E-06	9.84E-07	4.49E-07	3.94E-07	0.00E+00	0.00E+00	1.63E-07	3.68E-08	2.34E-07	3.60E-08	3.05E-08	5.00E-07
255	488299.44	3856739.39	1.43E-03	1.75E-03	1.53E-03	4.94E-07	1.49E-06	8.64E-07	1.06E-06	9.59E-07	4.38E-07	3.84E-07	0.00E+00	0.00E+00	1.59E-07	3.59E-08	2.28E-07	3.51E-08	2.97E-08	4.88E-07
256	488349.44	3856739.39	1.39E-03	1.70E-03	1.49E-03	4.81E-07	1.45E-06	8.41E-07	1.03E-06	9.34E-07	4.26E-07	3.73E-07	0.00E+00	0.00E+00	1.55E-07	3.50E-08	2.22E-07	3.42E-08	2.89E-08	4.75E-07
257	488399.44	3856739.39	1.35E-03	1.66E-03	1.45E-03	4.69E-07	1.41E-06	8.19E-07	1.00E-06	9.09E-07	4.15E-07	3.64E-07	0.00E+00	0.00E+00	1.51E-07	3.40E-08	2.16E-07	3.33E-08	2.82E-08	4.62E-07
258	487999.44	3856789.39	1.72E-03	2.11E-03	1.85E-03	5.96E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.28E-07	4.63E-07	0.00E+00	0.00E+00	1.92E-07	4.33E-08	2.75E-07	4.24E-08	3.59E-08	5.88E-07
259	488049.44	3856789.39	1.67E-03	2.04E-03	1.79E-03	5.78E-07	1.74E-06	1.01E-06	1.24E-06	1.12E-06	5.12E-07	4.49E-07	0.00E+00	0.00E+00	1.86E-07	4.20E-08	2.66E-07	4.11E-08	3.48E-08	5.70E-07
260	488099.44	3856789.39	1.62E-03	1.98E-03	1.74E-03	5.60E-07	1.69E-06	9.79E-07	1.20E-06	1.09E-06	4.96E-07	4.35E-07	0.00E+00	0.00E+00	1.80E-07	4.07E-08	2.58E-07	3.98E-08	3.37E-08	5.53E-07
261	488149.44	3856789.39	1.57E-03	1.93E-03	1.69E-03	5.44E-07	1.64E-06	9.51E-07	1.16E-06	1.06E-06	4.82E-07	4.22E-07	0.00E+00	0.00E+00	1.75E-07	3.95E-08	2.51E-07	3.87E-08	3.27E-08	5.37E-07
262	488199.44	3856789.39	1.53E-03	1.87E-03	1.64E-03	5.29E-07	1.60E-06	9.24E-07	1.13E-06	1.03E-06	4.68E-07	4.10E-07	0.00E+00	0.00E+00	1.70E-07	3.84E-08	2.44E-07	3.76E-08	3.18E-08	5.22E-07
263	488249.44	3856789.39	1.49E-03	1.82E-03	1.60E-03	5.14E-07	1.55E-06	8.99E-07	1.10E-06	9.98E-07	4.56E-07	3.99E-07	0.00E+00	0.00E+00	1.65E-07	3.74E-08	2.37E-07	3.66E-08	3.09E-08	5.08E-07
264	488299.44	3856789.39	1.45E-03	1.77E-03	1.55E-03	5.01E-07	1.51E-06	8.76E-07	1.07E-06	9.73E-07	4.44E-07	3.89E-07	0.00E+00	0.00E+00	1.61E-07	3.64E-08	2.31E-07	3.56E-08	3.01E-08	4.95E-07
265	488349.44	3856789.39	1.41E-03	1.72E-03	1.51E-03	4.88E-07	1.47E-06	8.52E-07	1.04E-06	9.46E-07	4.32E-07	3.78E-07	0.00E+00	0.00E+00	1.57E-07	3.54E-08	2.25E-07	3.47E-08	2.93E-08	4.81E-07
266	488399.44	3856789.39	1.37E-03	1.68E-03	1.47E-03	4.75E-07	1.43E-06	8.30E-07	1.02E-06	9.21E-07	4.20E-07	3.68E-07	0.00E+00	0.00E+00	1.53E-07	3.45E-08	2.19E-07	3.38E-08	2.85E-08	4.68E-07
267	487949.44	3856839.39	1.81E-03	2.22E-03	1.94E-03	6.27E-07	1.89E-06	1.10E-06	1.34E-06	1.22E-06	5.55E-07	4.87E-07	0.00E+00	0.00E+00	2.02E-07	4.55E-08	2.89E-07	4.46E-08	3.77E-08	6.18E-07
268	487999.44	3856839.39	1.75E-03	2.15E-03	1.88E-03	6.06E-07	1.83E-06	1.06E-06	1.30E-06	1.18E-06	5.37E-07	4.71E-07	0.00E+00	0.00E+00	1.95E-07	4.41E-08	2.80E-07	4.31E-08	3.64E-08	5.98E-07
269	488049.44	3856839.39	1.70E-03	2.08E-03	1.82E-03	5.87E-07	1.77E-06	1.03E-06	1.26E-06	1.14E-06	5.20E-07	4.56E-07	0.00E+00	0.00E+00	1.89E-07	4.27E-08	2.71E-07	4.18E-08	3.53E-08	5.79E-07
270	488099.44	3856839.39	1.64E-03	2.01E-03	1.76E-03	5.69E-07	1.72E-06	9.95E-07	1.22E-06	1.10E-06	5.04E-07	4.42E-07	0.00E+00	0.00E+00	1.83E-07	4.14E-08	2.62E-07	4.05E-08	3.42E-08	5.61E-07
271	488149.44	3856839.39	1.59E-03	1.95E-03	1.71E-03	5.52E-07	1.67E-06	9.65E-07	1.18E-06	1.07E-06	4.89E-07	4.28E-07	0.00E+00	0.00E+00	1.78E-07	4.01E-08	2.55E-07	3.93E-08	3.32E-08	5.45E-07
272	488199.44	3856839.39	1.55E-03	1.90E-03	1.66E-03	5.36E-07	1.62E-06	9.37E-07	1.15E-06	1.04E-06	4.75E-07	4.16E-07	0.00E+00	0.00E+00	1.72E-07	3.90E-08	2.47E-07	3.81E-08	3.22E-08	5.29E-07
273	487949.44	3856889.39	1.84E-03	2.25E-03	1.97E-03	6.37E-07	1.92E-06	1.11E-06	1.36E-06	1.24E-06	5.64E-07	4.94E-07	0.00E+00	0.00E+00	2.05E-07	4.63E-08	2.94E-07	4.53E-08	3.83E-08	6.29E-07
274	487999.44	3856889.39	1.78E-03	2.18E-03	1.91E-03	6.15E-07	1.86E-06	1.08E-06	1.32E-06	1.19E-06	5.45E-07	4.77E-07	0.00E+00	0.00E+00	1.98E-07	4.47E-08	2.84E-07	4.38E-08	3.69E-08	6.07E-07
275	488049.44	3856889.39	1.72E-03	2.11E-03	1.85E-03	5.96E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.28E-07	4.62E-07	0.00E+00	0.00E+00	1.92E-07	4.33E-08	2.75E-07	4.24E-08	3.58E-08	5.88E-07
276	488099.44	3856889.39	1.67E-03	2.04E-03	1.79E-03	5.77E-07	1.74E-06	1.01E-06	1.24E-06	1.12E-06	5.11E-07	4.47E-07	0.00E+00	0.00E+00	1.86E-07	4.19E-08	2.66E-07	4.10E-08	3.46E-08	5.69E-07
277	488635.86	3857895.05	1.15E-03	1.41E-03	1.24E-03	3.99E-07	1.20E-06	6.97E-07	8.54E-07	7.74E-07	3.53E-07	3.09E-07	0.00E+00	0.00E+00	1.28E-07	2.90E-08	1.84E-07	2.84E-08	2.40E-08	3.93E-07
278	489137.64	3857804.15	9.17E-04	1.12E-03	9.83E-04	3.17E-07	9.59E-07	5.55E-07	6.80E-07	6.16E-07	2.81E-07	2.46E-07	0.00E+00	0.00E+00	1.02E-07	2.31E-08	1.46E-07	2.26E-08	1.90E-08	3.13E-07
279	488617.32	3857859.41	1.19E-03	1.46E-03	1.27E-03	4.12E-07	1.24E-06	7.19E-07	8.81E-07	7.98E-07	3.64E-07	3.19E-07	0.00E+00	0.00E+00	1.32E-07	2.99E-08	1.90E-07	2.93E-08	2.47E-08	4.06E-07
280	488667.32	3857859.41	1.15E-03	1.41E-03	1.23E-03	3.99E-07	1.20E-06	6.97E-07	8.53E-07	7.73E-07	3.53E-07	3.09E-07	0.00E+00	0.00E+00	1.28E-07	2.90E-08	1.84E-07	2.83E-08	2.39E-08	3.93E-07
281	488717.32	3857859.41	1.12E-03	1.37E-03	1.20E-03	3.87E-07	1.17E-06	6.76E-07	8.27E-07	7.50E-07	3.42E-07	3.00E-07	0.00E+00	0.00E+00	1.24E-07	2.81E-08	1.78E-07	2.75E-08	2.32E-08	3.81E-07
282	488767.32	3857859.41	1.08E-03	1.33E-03	1.16E-03	3.75E-07	1.13E-06	6.55E-07	8.02E-07	7.27E-07	3.32E-07	2.91E-07	0.00E+00	0.00E+00	1.21E-07	2.72E-08	1.73E-07	2.66E-08	2.25E-08	3.70E-07
283	488617.32	3857909.41	1.16E-03	1.42E-03	1.24E-03	4.01E-07	1.21E-06	7.00E-07	8.58E-07	7.77E-07	3.55E-07	3.11E-07	0.00E+00	0.00E+00	1.29E-07	2.91E-08	1.85E-07	2.85E-08	2.41E-08	3.95E-07

284	488667.32	3857909.41	1.12E-03	1.37E-03	1.20E-03	3.88E-07	1.17E-06	6.78E-07	8.30E-07	7.53E-07	3.43E-07	3.01E-07	0.00E+00	0.00E+00	1.25E-07	2.82E-08	1.79E-07	2.76E-08	2.33E-08	3.83E-07
285	488717.32	3857909.41	1.09E-03	1.33E-03	1.17E-03	3.77E-07	1.14E-06	6.59E-07	8.07E-07	7.31E-07	3.34E-07	2.92E-07	0.00E+00	0.00E+00	1.21E-07	2.74E-08	1.74E-07	2.68E-08	2.26E-08	3.72E-07
286	488767.32	3857909.41	1.06E-03	1.29E-03	1.13E-03	3.66E-07	1.11E-06	6.40E-07	7.83E-07	7.10E-07	3.24E-07	2.84E-07	0.00E+00	0.00E+00	1.18E-07	2.66E-08	1.69E-07	2.60E-08	2.20E-08	3.61E-07
287	488417.32	3857959.41	1.30E-03	1.59E-03	1.39E-03	4.49E-07	1.36E-06	7.85E-07	9.61E-07	8.71E-07	3.97E-07	3.49E-07	0.00E+00	0.00E+00	1.44E-07	3.26E-08	2.07E-07	3.19E-08	2.70E-08	4.43E-07
288	488467.32	3857959.41	1.25E-03	1.53E-03	1.34E-03	4.33E-07	1.31E-06	7.56E-07	9.26E-07	8.39E-07	3.83E-07	3.36E-07	0.00E+00	0.00E+00	1.39E-07	3.14E-08	1.99E-07	3.08E-08	2.60E-08	4.27E-07
289	488517.32	3857959.41	1.21E-03	1.48E-03	1.30E-03	4.18E-07	1.26E-06	7.30E-07	8.94E-07	8.10E-07	3.70E-07	3.24E-07	0.00E+00	0.00E+00	1.34E-07	3.03E-08	1.93E-07	2.97E-08	2.51E-08	4.12E-07
290	488567.32	3857959.41	1.17E-03	1.43E-03	1.25E-03	4.04E-07	1.22E-06	7.06E-07	8.64E-07	7.84E-07	3.58E-07	3.13E-07	0.00E+00	0.00E+00	1.30E-07	2.93E-08	1.86E-07	2.87E-08	2.43E-08	3.98E-07
291	488617.32	3857959.41	1.13E-03	1.38E-03	1.21E-03	3.91E-07	1.18E-06	6.84E-07	8.37E-07	7.59E-07	3.46E-07	3.04E-07	0.00E+00	0.00E+00	1.26E-07	2.84E-08	1.80E-07	2.78E-08	2.35E-08	3.86E-07
292	488667.32	3857959.41	1.10E-03	1.34E-03	1.18E-03	3.79E-07	1.15E-06	6.63E-07	8.12E-07	7.36E-07	3.36E-07	2.94E-07	0.00E+00	0.00E+00	1.22E-07	2.76E-08	1.75E-07	2.70E-08	2.28E-08	3.74E-07
293	488717.32	3857959.41	1.06E-03	1.30E-03	1.14E-03	3.68E-07	1.11E-06	6.44E-07	7.88E-07	7.15E-07	3.26E-07	2.86E-07	0.00E+00	0.00E+00	1.18E-07	2.68E-08	1.70E-07	2.62E-08	2.21E-08	3.63E-07
294	488767.32	3857959.41	1.03E-03	1.27E-03	1.11E-03	3.58E-07	1.08E-06	6.26E-07	7.67E-07	6.95E-07	3.17E-07	2.78E-07	0.00E+00	0.00E+00	1.15E-07	2.60E-08	1.65E-07	2.55E-08	2.15E-08	3.53E-07
295	488417.32	3858009.41	1.27E-03	1.55E-03	1.36E-03	4.39E-07	1.33E-06	7.68E-07	9.40E-07	8.52E-07	3.89E-07	3.41E-07	0.00E+00	0.00E+00	1.41E-07	3.19E-08	2.03E-07	3.12E-08	2.64E-08	4.33E-07
296	488467.32	3858009.41	1.22E-03	1.50E-03	1.31E-03	4.24E-07	1.28E-06	7.41E-07	9.07E-07	8.22E-07	3.75E-07	3.29E-07	0.00E+00	0.00E+00	1.36E-07	3.08E-08	1.95E-07	3.01E-08	2.55E-08	4.18E-07
297	488517.32	3858009.41	1.18E-03	1.45E-03	1.27E-03	4.09E-07	1.24E-06	7.16E-07	8.76E-07	7.94E-07	3.62E-07	3.18E-07	0.00E+00	0.00E+00	1.32E-07	2.97E-08	1.89E-07	2.91E-08	2.46E-08	4.04E-07
298	488567.32	3858009.41	1.15E-03	1.40E-03	1.23E-03	3.96E-07	1.20E-06	6.93E-07	8.48E-07	7.69E-07	3.51E-07	3.08E-07	0.00E+00	0.00E+00	1.27E-07	2.88E-08	1.83E-07	2.82E-08	2.38E-08	3.91E-07
299	488617.32	3858009.41	1.11E-03	1.36E-03	1.19E-03	3.84E-07	1.16E-06	6.71E-07	8.22E-07	7.45E-07	3.40E-07	2.98E-07	0.00E+00	0.00E+00	1.24E-07	2.79E-08	1.77E-07	2.73E-08	2.31E-08	3.79E-07
300	488667.32	3858009.41	1.08E-03	1.32E-03	1.16E-03	3.73E-07	1.12E-06	6.51E-07	7.97E-07	7.23E-07	3.30E-07	2.89E-07	0.00E+00	0.00E+00	1.20E-07	2.71E-08	1.72E-07	2.65E-08	2.24E-08	3.67E-07
301	488717.32	3858009.41	1.05E-03	1.28E-03	1.12E-03	3.62E-07	1.09E-06	6.32E-07	7.74E-07	7.02E-07	3.20E-07	2.81E-07	0.00E+00	0.00E+00	1.16E-07	2.63E-08	1.67E-07	2.57E-08	2.17E-08	3.57E-07
302	488767.32	3858009.41	1.02E-03	1.24E-03	1.09E-03	3.52E-07	1.06E-06	6.15E-07	7.53E-07	6.83E-07	3.12E-07	2.73E-07	0.00E+00	0.00E+00	1.13E-07	2.56E-08	1.62E-07	2.50E-08	2.12E-08	3.47E-07
303	488417.32	3858059.41	1.26E-03	1.54E-03	1.35E-03	4.35E-07	1.31E-06	7.60E-07	9.31E-07	8.44E-07	3.85E-07	3.38E-07	0.00E+00	0.00E+00	1.40E-07	3.16E-08	2.00E-07	3.09E-08	2.62E-08	4.29E-07
304	488467.32	3858059.41	1.21E-03	1.48E-03	1.30E-03	4.19E-07	1.27E-06	7.33E-07	8.98E-07	8.14E-07	3.71E-07	3.26E-07	0.00E+00	0.00E+00	1.35E-07	3.05E-08	1.93E-07	2.98E-08	2.52E-08	4.14E-07
305	488517.32	3858059.41	1.17E-03	1.43E-03	1.26E-03	4.05E-07	1.22E-06	7.08E-07	8.67E-07	7.86E-07	3.59E-07	3.15E-07	0.00E+00	0.00E+00	1.30E-07	2.94E-08	1.87E-07	2.88E-08	2.44E-08	4.00E-07
306	488567.32	3858059.41	1.13E-03	1.39E-03	1.22E-03	3.92E-07	1.18E-06	6.85E-07	8.39E-07	7.61E-07	3.47E-07	3.05E-07	0.00E+00	0.00E+00	1.26E-07	2.85E-08	1.81E-07	2.79E-08	2.36E-08	3.87E-07
307	488617.32	3858059.41	1.10E-03	1.34E-03	1.18E-03	3.80E-07	1.15E-06	6.64E-07	8.13E-07	7.37E-07	3.36E-07	2.95E-07	0.00E+00	0.00E+00	1.22E-07	2.76E-08	1.75E-07	2.70E-08	2.28E-08	3.75E-07
308	488667.32	3858059.41	1.06E-03	1.30E-03	1.14E-03	3.68E-07	1.11E-06	6.44E-07	7.88E-07	7.14E-07	3.26E-07	2.86E-07	0.00E+00	0.00E+00	1.18E-07	2.68E-08	1.70E-07	2.62E-08	2.21E-08	3.63E-07
309	488417.32	3858109.41	1.26E-03	1.54E-03	1.35E-03	4.35E-07	1.31E-06	7.61E-07	9.32E-07	8.45E-07	3.85E-07	3.39E-07	0.00E+00	0.00E+00	1.40E-07	3.16E-08	2.01E-07	3.09E-08	2.62E-08	4.29E-07
310	488467.32	3858109.41	1.21E-03	1.48E-03	1.30E-03	4.20E-07	1.27E-06	7.34E-07	8.98E-07	8.14E-07	3.72E-07	3.26E-07	0.00E+00	0.00E+00	1.35E-07	3.05E-08	1.93E-07	2.98E-08	2.53E-08	4.14E-07
311	488517.32	3858109.41	1.17E-03	1.43E-03	1.26E-03	4.05E-07	1.22E-06	7.09E-07	8.68E-07	7.87E-07	3.59E-07	3.15E-07	0.00E+00	0.00E+00	1.30E-07	2.95E-08	1.87E-07	2.88E-08	2.44E-08	4.00E-07
312	488567.32	3858109.41	1.13E-03	1.38E-03	1.22E-03	3.91E-07	1.18E-06	6.84E-07	8.38E-07	7.59E-07	3.47E-07	3.04E-07	0.00E+00	0.00E+00	1.26E-07	2.84E-08	1.80E-07	2.78E-08	2.36E-08	3.86E-07
313	488617.32	3858109.41	1.09E-03	1.34E-03	1.18E-03	3.78E-07	1.14E-06	6.61E-07	8.10E-07	7.34E-07	3.35E-07	2.94E-07	0.00E+00	0.00E+00	1.22E-07	2.75E-08	1.74E-07	2.69E-08	2.28E-08	3.73E-07
314	488667.32	3858109.41	1.06E-03	1.30E-03	1.14E-03	3.66E-07	1.11E-06	6.40E-07	7.84E-07	7.10E-07	3.24E-07	2.85E-07	0.00E+00	0.00E+00	1.18E-07	2.66E-08	1.69E-07	2.60E-08	2.20E-08	3.61E-07
315	488769.93	3858449.27	1.18E-03	1.45E-03	1.27E-03	4.09E-07	1.23E-06	7.14E-07	8.75E-07	7.93E-07	3.62E-07	3.18E-07	0.00E+00	0.00E+00	1.31E-07	2.97E-08	1.88E-07	2.91E-08	2.47E-08	4.03E-07
316	488819.93	3858449.27	1.11E-03	1.36E-03	1.20E-03	3.85E-07	1.16E-06	6.74E-07	8.25E-07	7.48E-07	3.41E-07	3.00E-07	0.00E+00	0.00E+00	1.24E-07	2.80E-08	1.78E-07	2.74E-08	2.32E-08	3.80E-07
317	488819.93	3858499.27	1.18E-03	1.45E-03	1.28E-03	4.10E-07	1.24E-06	7.17E-07	8.78E-07	7.96E-07	3.63E-07	3.20E-07	0.00E+00	0.00E+00	1.32E-07	2.98E-08	1.89E-07	2.92E-08	2.47E-08	4.05E-07
318	488869.93	3858499.27	1.11E-03	1.36E-03	1.20E-03	3.85E-07	1.16E-06	6.73E-07	8.25E-07	7.48E-07	3.41E-07	3.00E-07	0.00E+00	0.00E+00	1.24E-07	2.80E-08	1.78E-07	2.74E-08	2.32E-08	3.80E-07
319	488869.93	3858549.27	1.19E-03	1.46E-03	1.28E-03	4.12E-07	1.24E-06	7.20E-07	8.82E-07	7.99E-07	3.65E-07	3.21E-07	0.00E+00	0.00E+00	1.32E-07	2.99E-08	1.90E-07	2.93E-08	2.48E-08	4.06E-07
320	489438.17	3859571.48	2.02E-04	2.47E-04	2.17E-04	6.98E-08	2.11E-07	1.22E-07	1.49E-07	1.35E-07	6.18E-08	5.42E-08	0.00E+00	0.00E+00	2.24E-08	5.07E-09	3.22E-08	4.96E-09	4.20E-09	6.88E-08
321	489488.17	3859571.48	2.01E-04	2.46E-04	2.16E-04	6.96E-08	2.10E-07	1.22E-07	1.49E-07	1.35E-07	6.16E-08	5.41E-08	0.00E+00	0.00E+00	2.24E-08	5.06E-09	3.21E-08	4.95E-09	4.19E-09	6.87E-08
322	489538.17	3859571.48	2.00E-04	2.45E-04	2.15E-04	6.93E-08	2.09E-07	1.21E-07	1.48E-07	1.35E-07	6.14E-08	5.39E-08	0.00E+00	0.00E+00	2.23E-08	5.04E-09	3.20E-08	4.93E-09	4.17E-09	6.84E-08
323	489588.17	3859571.48	1.99E-04	2.44E-04	2.14E-04	6.89E-08	2.08E-07	1.20E-07	1.48E-07	1.34E-07	6.10E-08	5.35E-08	0.00E+00	0.00E+00	2.22E-08	5.01E-09	3.18E-08	4.90E-09	4.14E-09	6.80E-08
324	489438.17	3859621.48	1.93E-04	2.36E-04	2.07E-04	6.67E-08	2.01E-07	1.17E-07	1.43E-07	1.30E-07	5.91E-08	5.18E-08	0.00E+00	0.00E+00	2.15E-08	4.85E-09	3.08E-08	4.75E-09	4.01E-09	6.58E-08
325	489488.17	3859621.48	1.93E-04	2.36E-04	2.07E-04	6.67E-08	2.01E-07	1.17E-07	1.43E-07	1.29E-07	5.90E-08	5.18E-08	0.00E+00	0.00E+00	2.14E-08	4.84E-09	3.07E-08	4.74E-09	4.01E-09	6.58E-08
326	489538.17	3859621.48	1.92E-04	2.35E-04	2.06E-04	6.65E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.89E-08	5.17E-08	0.00E+00	0.00E+00	2.14E-08	4.83E-09	3.07E-08	4.73E-09	4.00E-09	6.56E-08
327	489588.17	3859621.48	1.92E-04	2.35E-04	2.06E-04	6.63E-08	2.00E-07	1.16E-07	1.42E-07	1.29E-07	5.87E-08	5.15E-08	0.00E+00	0.00E+00	2.13E-08	4.82E-09	3.06E-08	4.72E-09	3.99E-09	6.54E-08
328	489238.17	3859671.48	1.83E-04	2.24E-04	1.96E-04	6.32E-08	1.91E-07	1.11E-07	1.35E-07	1.23E-07	5.60E-08	4.91E-08	0.00E+00	0.00E+00	2.03E-08	4.60E-09	2.92E-08	4.50E-09	3.80E-09	6.24E-08
329	489288.17	3859671.48	1.83E-04	2.24E-04	1.97E-04	6.34E-08	1.92E-07	1.11E-07	1.36E-07	1.23E-07	5.62E-08	4.93E-08	0.00E+00	0.00E+00	2.04E-08	4.61E-09	2.93E-08	4.51E-09	3.82E-09	6.26E-08
330	489338.17	3859671.48	1.84E-04	2.25E-04	1.98E-04	6.37E-08	1.92E-07	1.11E-07	1.36E-07	1.24E-07	5.64E-08	4.95E-08	0.00E+00	0.00E+00	2.05E-08	4.63E-09	2.94E-08	4.53E-09	3.83E-09	6.28E-08
331	489388.17	3859671.48	1.85E-04	2.26E-04	1.98E-04	6.39E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.66E-08	4.96E-08	0.00E+00	0.00E+00	2.05E-08	4.64E-09	2.95E-08	4.54E-09	3.84E-09	6.30E-08
332	489438.17	3859671.48	1.85E-04	2.26E-04	1.98E-04	6.39E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.66E-08	4.97E-08	0.00E+00	0.00E+00	2.06E-08	4.65E-09	2.95E-08	4.55E-09	3.85E-09	6.31E-08
333	489488.17	3859671.48	1.85E-04	2.27E-04	1.99E-04	6.40E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.67E-08	4.97E-08	0.00E+00	0.00E+00	2.06E-08	4.65E-09	2.95E-08	4.55E-09	3.85E-09	6.32E-08
334	489538.17	3859671.48	1.85E-04	2.26E-04	1.99E-04	6.40E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.67E-08	4.97E-08	0.00E+00	0.00E+00	2.06E-08	4.65E-09	2.95E-08	4.55E-09	3.85E-09	6.31E-08
335	489588.17	3859671.48	1.85E-04	2.26E-04	1.98E-04	6.39E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.66E-08	4.96E-08	0.00E+00	0.00E+00	2.06E-08	4.64E-09	2.95E-08	4.54E-09	3.84E-09	6.31E-08
336	489238.17	3859721.48	1.75E-04	2.14E-04	1.88E-04	6.06E-08	1.83E-07	1.06E-07	1.30E-07	1.18E-07	5.36E-08	4.71E-08	0.00E+00	0.00E+00	1.95E-08	4.40E-09	2.79E-08	4.31E-09	3.64E-09	5.98E-08
337	489288.17	3859721.48	1.76E-04	2.15E-04	1.89E-04	6.09E-08	1.84E-07	1.06E-07	1.30E-07	1.18E-07	5.39E-08	4.73E-08	0.00E+00	0.00E+00	1.96E-08	4.43E-09	2.81E-08	4.33E-09	3.66E-09	6.01E-08
338	489338.17	3859721.48	1.77E-04	2.16E-04	1.90E-04	6.11E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.41E-08	4.75E-08	0.00E+00	0.00E+00	1.97E-08	4.44E-09	2.82E-08	4.35E-09	3.68E-09	6.03E-08
339	489388.17	3859721.48	1.77E-04	2.17E-04	1.90E-04	6.13E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.43E-08	4.76E-08	0.00E+00	0.00E+00	1.97E-08	4.45E-09	2.83E-08	4.36E-09	3.69E-09	6.05E-08
340	489438.17	3859721.48	1.77E-04	2.17E-04	1.90E-04	6.14E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.43E-08	4.77E-08	0.00E+00	0.00E+00	1.97E-08	4.46E-09	2.83E-08	4.36E-09	3.69E-09	6.05E-08
341	489488.17	3859721.48	1.78E-04	2.18E-04	1.91E-04	6.15E-08	1.86E-07	1.08E-07	1.32E-07	1.19E-07	5.45E-08	4.78E-08	0.00E+00	0.00E+00	1.98E-08	4.47E-09	2.84E-08	4.38E-09	3.70E-09	6.07E-08

342	489538.17	3859721.48	1.78E-04	2.18E-04	1.91E-04	6.16E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.46E-08	4.79E-08	0.00E+00	0.00E+00	1.98E-08	4.48E-09	2.84E-08	4.38E-09	3.71E-09	6.08E-08
343	489588.17	3859721.48	1.78E-04	2.18E-04	1.91E-04	6.16E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.45E-08	4.78E-08	0.00E+00	0.00E+00	1.98E-08	4.48E-09	2.84E-08	4.38E-09	3.70E-09	6.08E-08
344	489238.17	3859771.48	1.68E-04	2.06E-04	1.81E-04	5.82E-08	1.76E-07	1.02E-07	1.25E-07	1.13E-07	5.15E-08	4.52E-08	0.00E+00	0.00E+00	1.87E-08	4.23E-09	2.68E-08	4.14E-09	3.50E-09	5.74E-08
345	489288.17	3859771.48	1.69E-04	2.07E-04	1.81E-04	5.85E-08	1.77E-07	1.02E-07	1.25E-07	1.13E-07	5.18E-08	4.54E-08	0.00E+00	0.00E+00	1.88E-08	4.25E-09	2.70E-08	4.16E-09	3.52E-09	5.77E-08
346	489338.17	3859771.48	1.69E-04	2.07E-04	1.82E-04	5.86E-08	1.77E-07	1.02E-07	1.26E-07	1.14E-07	5.19E-08	4.55E-08	0.00E+00	0.00E+00	1.89E-08	4.26E-09	2.70E-08	4.17E-09	3.53E-09	5.79E-08
347	489388.17	3859771.48	1.70E-04	2.08E-04	1.83E-04	5.88E-08	1.78E-07	1.03E-07	1.26E-07	1.14E-07	5.21E-08	4.57E-08	0.00E+00	0.00E+00	1.89E-08	4.28E-09	2.71E-08	4.18E-09	3.54E-09	5.81E-08
348	489438.17	3859771.48	1.70E-04	2.09E-04	1.83E-04	5.89E-08	1.78E-07	1.03E-07	1.26E-07	1.14E-07	5.22E-08	4.58E-08	0.00E+00	0.00E+00	1.90E-08	4.28E-09	2.72E-08	4.19E-09	3.55E-09	5.82E-08
349	489488.17	3859771.48	1.71E-04	2.10E-04	1.84E-04	5.92E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.24E-08	4.60E-08	0.00E+00	0.00E+00	1.90E-08	4.30E-09	2.73E-08	4.21E-09	3.56E-09	5.84E-08
350	489538.17	3859771.48	1.71E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.61E-08	0.00E+00	0.00E+00	1.91E-08	4.31E-09	2.74E-08	4.22E-09	3.57E-09	5.86E-08
351	489588.17	3859771.48	1.72E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.61E-08	0.00E+00	0.00E+00	1.91E-08	4.31E-09	2.74E-08	4.22E-09	3.57E-09	5.86E-08
352	489238.17	3859821.48	1.62E-04	1.98E-04	1.74E-04	5.59E-08	1.69E-07	9.77E-08	1.20E-07	1.09E-07	4.95E-08	4.34E-08	0.00E+00	0.00E+00	1.80E-08	4.06E-09	2.58E-08	3.98E-09	3.36E-09	5.52E-08
353	489288.17	3859821.48	1.62E-04	1.99E-04	1.74E-04	5.62E-08	1.70E-07	9.83E-08	1.20E-07	1.09E-07	4.98E-08	4.37E-08	0.00E+00	0.00E+00	1.81E-08	4.08E-09	2.59E-08	4.00E-09	3.38E-09	5.55E-08
354	489338.17	3859821.48	1.63E-04	2.00E-04	1.75E-04	5.64E-08	1.70E-07	9.86E-08	1.21E-07	1.09E-07	4.99E-08	4.38E-08	0.00E+00	0.00E+00	1.81E-08	4.10E-09	2.60E-08	4.01E-09	3.39E-09	5.56E-08
355	489388.17	3859821.48	1.63E-04	2.00E-04	1.76E-04	5.66E-08	1.71E-07	9.89E-08	1.21E-07	1.10E-07	5.01E-08	4.40E-08	0.00E+00	0.00E+00	1.82E-08	4.11E-09	2.61E-08	4.02E-09	3.40E-09	5.58E-08
356	489438.17	3859821.48	1.64E-04	2.01E-04	1.76E-04	5.69E-08	1.72E-07	9.94E-08	1.22E-07	1.10E-07	5.04E-08	4.42E-08	0.00E+00	0.00E+00	1.83E-08	4.13E-09	2.62E-08	4.04E-09	3.42E-09	5.61E-08
357	489488.17	3859821.48	1.65E-04	2.02E-04	1.77E-04	5.71E-08	1.72E-07	9.98E-08	1.22E-07	1.11E-07	5.05E-08	4.43E-08	0.00E+00	0.00E+00	1.84E-08	4.15E-09	2.63E-08	4.06E-09	3.43E-09	5.63E-08
358	489538.17	3859821.48	1.65E-04	2.03E-04	1.78E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.44E-09	5.65E-08
359	489588.17	3859821.48	1.66E-04	2.03E-04	1.78E-04	5.73E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.45E-09	5.65E-08
360	489238.17	3859871.48	1.56E-04	1.91E-04	1.67E-04	5.39E-08	1.63E-07	9.42E-08	1.15E-07	1.05E-07	4.77E-08	4.19E-08	0.00E+00	0.00E+00	1.73E-08	3.92E-09	2.48E-08	3.83E-09	3.24E-09	5.32E-08
361	489288.17	3859871.48	1.56E-04	1.91E-04	1.68E-04	5.41E-08	1.63E-07	9.45E-08	1.16E-07	1.05E-07	4.79E-08	4.20E-08	0.00E+00	0.00E+00	1.74E-08	3.93E-09	2.49E-08	3.85E-09	3.25E-09	5.34E-08
362	489338.17	3859871.48	1.57E-04	1.92E-04	1.69E-04	5.43E-08	1.64E-07	9.49E-08	1.16E-07	1.05E-07	4.81E-08	4.22E-08	0.00E+00	0.00E+00	1.75E-08	3.95E-09	2.50E-08	3.86E-09	3.27E-09	5.36E-08
363	489388.17	3859871.48	1.58E-04	1.93E-04	1.69E-04	5.46E-08	1.65E-07	9.54E-08	1.17E-07	1.06E-07	4.83E-08	4.24E-08	0.00E+00	0.00E+00	1.76E-08	3.97E-09	2.52E-08	3.88E-09	3.28E-09	5.39E-08
364	489438.17	3859871.48	1.59E-04	1.94E-04	1.70E-04	5.49E-08	1.66E-07	9.60E-08	1.18E-07	1.07E-07	4.86E-08	4.27E-08	0.00E+00	0.00E+00	1.77E-08	3.99E-09	2.53E-08	3.91E-09	3.30E-09	5.42E-08
365	489488.17	3859871.48	1.60E-04	1.95E-04	1.71E-04	5.52E-08	1.67E-07	9.66E-08	1.18E-07	1.07E-07	4.89E-08	4.29E-08	0.00E+00	0.00E+00	1.78E-08	4.01E-09	2.55E-08	3.93E-09	3.32E-09	5.45E-08
366	489538.17	3859871.48	1.60E-04	1.96E-04	1.72E-04	5.53E-08	1.67E-07	9.67E-08	1.18E-07	1.07E-07	4.90E-08	4.30E-08	0.00E+00	0.00E+00	1.78E-08	4.02E-09	2.55E-08	3.93E-09	3.33E-09	5.46E-08
367	489588.17	3859871.48	1.60E-04	1.96E-04	1.72E-04	5.54E-08	1.67E-07	9.68E-08	1.19E-07	1.08E-07	4.91E-08	4.30E-08	0.00E+00	0.00E+00	1.78E-08	4.03E-09	2.55E-08	3.94E-09	3.33E-09	5.47E-08
368	489238.17	3859921.48	1.50E-04	1.84E-04	1.62E-04	5.21E-08	1.57E-07	9.10E-08	1.11E-07	1.01E-07	4.61E-08	4.04E-08	0.00E+00	0.00E+00	1.67E-08	3.78E-09	2.40E-08	3.70E-09	3.13E-09	5.14E-08
369	489288.17	3859921.48	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.15E-08	1.12E-07	1.02E-07	4.63E-08	4.06E-08	0.00E+00	0.00E+00	1.68E-08	3.80E-09	2.41E-08	3.72E-09	3.15E-09	5.16E-08
370	489338.17	3859921.48	1.52E-04	1.86E-04	1.63E-04	5.25E-08	1.59E-07	9.18E-08	1.12E-07	1.02E-07	4.65E-08	4.08E-08	0.00E+00	0.00E+00	1.69E-08	3.82E-09	2.42E-08	3.73E-09	3.16E-09	5.18E-08
371	489388.17	3859921.48	1.53E-04	1.87E-04	1.64E-04	5.28E-08	1.60E-07	9.23E-08	1.13E-07	1.03E-07	4.68E-08	4.10E-08	0.00E+00	0.00E+00	1.70E-08	3.84E-09	2.44E-08	3.76E-09	3.18E-09	5.21E-08
372	489438.17	3859921.48	1.54E-04	1.88E-04	1.65E-04	5.32E-08	1.61E-07	9.30E-08	1.14E-07	1.03E-07	4.71E-08	4.13E-08	0.00E+00	0.00E+00	1.71E-08	3.87E-09	2.45E-08	3.78E-09	3.20E-09	5.25E-08
373	489488.17	3859921.48	1.54E-04	1.89E-04	1.66E-04	5.34E-08	1.61E-07	9.33E-08	1.14E-07	1.04E-07	4.73E-08	4.15E-08	0.00E+00	0.00E+00	1.72E-08	3.88E-09	2.46E-08	3.80E-09	3.21E-09	5.27E-08
374	489538.17	3859921.48	1.55E-04	1.89E-04	1.66E-04	5.35E-08	1.62E-07	9.35E-08	1.15E-07	1.04E-07	4.74E-08	4.16E-08	0.00E+00	0.00E+00	1.72E-08	3.89E-09	2.47E-08	3.80E-09	3.22E-09	5.28E-08
375	489588.17	3859921.48	1.55E-04	1.90E-04	1.67E-04	5.37E-08	1.62E-07	9.38E-08	1.15E-07	1.04E-07	4.75E-08	4.17E-08	0.00E+00	0.00E+00	1.73E-08	3.90E-09	2.48E-08	3.82E-09	3.23E-09	5.30E-08
376	489238.17	3859971.48	1.46E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.81E-08	1.08E-07	9.78E-08	4.46E-08	3.91E-08	0.00E+00	0.00E+00	1.62E-08	3.66E-09	2.32E-08	3.58E-09	3.03E-09	4.97E-08
377	489288.17	3859971.48	1.46E-04	1.79E-04	1.57E-04	5.06E-08	1.53E-07	8.84E-08	1.08E-07	9.81E-08	4.48E-08	3.93E-08	0.00E+00	0.00E+00	1.63E-08	3.67E-09	2.33E-08	3.60E-09	3.04E-09	4.99E-08
378	489338.17	3859971.48	1.47E-04	1.80E-04	1.58E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.95E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.06E-09	5.01E-08
379	489388.17	3859971.48	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.94E-08	1.10E-07	9.93E-08	4.53E-08	3.97E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.05E-08
380	489438.17	3859971.48	1.49E-04	1.82E-04	1.60E-04	5.16E-08	1.56E-07	9.01E-08	1.10E-07	1.00E-07	4.56E-08	4.00E-08	0.00E+00	0.00E+00	1.66E-08	3.75E-09	2.38E-08	3.67E-09	3.10E-09	5.09E-08
381	489488.17	3859971.48	1.50E-04	1.83E-04	1.61E-04	5.18E-08	1.56E-07	9.05E-08	1.11E-07	1.01E-07	4.59E-08	4.02E-08	0.00E+00	0.00E+00	1.67E-08	3.76E-09	2.39E-08	3.68E-09	3.11E-09	5.11E-08
382	489538.17	3859971.48	1.50E-04	1.84E-04	1.61E-04	5.20E-08	1.57E-07	9.08E-08	1.11E-07	1.01E-07	4.60E-08	4.04E-08	0.00E+00	0.00E+00	1.67E-08	3.78E-09	2.40E-08	3.69E-09	3.12E-09	5.13E-08
383	489588.17	3859971.48	1.50E-04	1.84E-04	1.62E-04	5.21E-08	1.57E-07	9.10E-08	1.11E-07	1.01E-07	4.61E-08	4.04E-08	0.00E+00	0.00E+00	1.67E-08	3.78E-09	2.40E-08	3.70E-09	3.13E-09	5.14E-08
384	483577.7	3854071	7.35E-04	9.01E-04	7.92E-04	2.54E-07	7.68E-07	4.45E-07	5.45E-07	4.94E-07	2.25E-07	1.98E-07	0.00E+00	0.00E+00	8.18E-08	1.85E-08	1.17E-07	1.81E-08	1.53E-08	2.51E-07
385	483627.7	3854071	7.06E-04	8.64E-04	7.60E-04	2.44E-07	7.37E-07	4.27E-07	5.23E-07	4.74E-07	2.16E-07	1.90E-07	0.00E+00	0.00E+00	7.85E-08	1.78E-08	1.13E-07	1.74E-08	1.47E-08	2.41E-07
386	483677.7	3854071	6.78E-04	8.31E-04	7.30E-04	2.35E-07	7.08E-07	4.10E-07	5.03E-07	4.56E-07	2.08E-07	1.83E-07	0.00E+00	0.00E+00	7.55E-08	1.71E-08	1.08E-07	1.67E-08	1.42E-08	2.32E-07
387	483727.7	3854071	6.53E-04	8.00E-04	7.03E-04	2.26E-07	6.82E-07	3.95E-07	4.84E-07	4.39E-07	2.00E-07	1.76E-07	0.00E+00	0.00E+00	7.27E-08	1.64E-08	1.04E-07	1.61E-08	1.36E-08	2.23E-07
388	483777.7	3854071	6.25E-04	7.66E-04	6.73E-04	2.16E-07	6.53E-07	3.78E-07	4.63E-07	4.20E-07	1.92E-07	1.68E-07	0.00E+00	0.00E+00	6.96E-08	1.57E-08	9.98E-08	1.54E-08	1.30E-08	2.13E-07
389	483577.7	3854121	7.77E-04	9.52E-04	8.37E-04	2.69E-07	8.12E-07	4.70E-07	5.76E-07	5.22E-07	2.38E-07	2.10E-07	0.00E+00	0.00E+00	8.65E-08	1.96E-08	1.24E-07	1.91E-08	1.62E-08	2.65E-07
390	483627.7	3854121	7.43E-04	9.10E-04	8.00E-04	2.57E-07	7.76E-07	4.49E-07	5.51E-07	4.99E-07	2.28E-07	2.00E-07	0.00E+00	0.00E+00	8.27E-08	1.87E-08	1.19E-07	1.83E-08	1.55E-08	2.54E-07
391	483677.7	3854121	7.10E-04	8.70E-04	7.64E-04	2.46E-07	7.42E-07	4.29E-07	5.26E-07	4.77E-07	2.18E-07	1.91E-07	0.00E+00	0.00E+00	7.90E-08	1.79E-08	1.13E-07	1.75E-08	1.48E-08	2.42E-07
392	483727.7	3854121	6.77E-04	8.30E-04	7.29E-04	2.34E-07	7.08E-07	4.10E-07	5.02E-07	4.55E-07	2.08E-07	1.83E-07	0.00E+00	0.00E+00	7.54E-08	1.70E-08	1.08E-07	1.67E-08	1.41E-08	2.31E-07
393	483777.7	3854121	6.52E-04	7.99E-04	7.02E-04	2.26E-07	6.82E-07	3.95E-07	4.84E-07	4.38E-07	2.00E-07	1.76E-07	0.00E+00	0.00E+00	7.26E-08	1.64E-08	1.04E-07	1.61E-08	1.36E-08	2.23E-07
394	483577.7	3854171	8.16E-04	1.00E-03	8.79E-04	2.82E-07	8.53E-07	4.94E-07	6.05E-07	5.48E-07	2.50E-07	2.20E-07	0.00E+00	0.00E+00	9.08E-08	2.05E-08	1.30E-07	2.01E-08	1.70E-08	2.79E-07
395	483627.7	3854171	7.74E-04	9.49E-04	8.34E-04	2.68E-07	8.09E-07	4.68E-07	5.74E-07	5.20E-07	2.37E-07	2.09E-07	0.00E+00	0.00E+00	8.62E-08	1.95E-08	1.24E-07	1.91E-08	1.62E-08	2.65E-07
396	483677.7	3854171	7.40E-04	9.06E-04	7.97E-04	2.56E-07	7.73E-07	4.48E-07	5.48E-07	4.97E-07	2.27E-07	1.99E-07	0.00E+00	0.00E+00	8.23E-08	1.86E-08	1.18E-07	1.82E-08	1.54E-08	2.53E-07
397	483727.7	3854171	7.11E-04	8.71E-04	7.65E-04	2.46E-07	7.43E-07	4.30E-07	5.27E-07	4.78E-07	2.18E-07	1.91E-07	0.00E+00	0.00E+00	7.91E-08	1.79E-08	1.13E-07	1.75E-08	1.48E-08	2.43E-07
398	483777.7	3854171	6.83E-04	8.37E-04	7.35E-04	2.36E-07	7.14E-07	4.13E-07	5.06E-07	4.59E-07	2.09E-07	1.84E-07	0.00E+00	0.00E+00	7.60E-08	1.72E-08	1.09E-07	1.68E-08	1.43E-08	2.33E-07
399	483827.7	3854171	6.49E-04	7.95E-04	6.99E-04	2.25E-07	6.78E-07	3.93E-07	4.81E-07	4.36E-07	1.99E-07	1.75E-07	0.00E+00	0.00E+00	7.22E-08	1.63E-08	1.04E-07	1.60E-08	1.35E-08	2.22E-07

400	483877.7	3854171	6.25E-04	7.65E-04	6.73E-04	2.16E-07	6.53E-07	3.78E-07	4.63E-07	4.20E-07	1.92E-07	1.68E-07	0.00E+00	0.00E+00	6.95E-08	1.57E-08	9.98E-08	1.54E-08	1.30E-08	2.13E-07
401	483727.7	3854221	7.52E-04	9.21E-04	8.09E-04	2.60E-07	7.86E-07	4.55E-07	5.57E-07	5.05E-07	2.31E-07	2.03E-07	0.00E+00	0.00E+00	8.37E-08	1.89E-08	1.20E-07	1.85E-08	1.57E-08	2.57E-07
402	483777.7	3854221	7.21E-04	8.83E-04	7.76E-04	2.49E-07	7.53E-07	4.36E-07	5.34E-07	4.84E-07	2.21E-07	1.94E-07	0.00E+00	0.00E+00	8.02E-08	1.81E-08	1.15E-07	1.77E-08	1.50E-08	2.46E-07
403	483827.7	3854221	7.04E-04	8.63E-04	7.58E-04	2.44E-07	7.36E-07	4.26E-07	5.22E-07	4.73E-07	2.16E-07	1.90E-07	0.00E+00	0.00E+00	7.84E-08	1.77E-08	1.12E-07	1.73E-08	1.47E-08	2.41E-07
404	483877.7	3854221	6.72E-04	8.23E-04	7.23E-04	2.33E-07	7.02E-07	4.06E-07	4.98E-07	4.51E-07	2.06E-07	1.81E-07	0.00E+00	0.00E+00	7.48E-08	1.69E-08	1.07E-07	1.65E-08	1.40E-08	2.30E-07
405	489150.19	3858726.45	9.97E-04	1.22E-03	1.07E-03	3.45E-07	1.04E-06	6.03E-07	7.39E-07	6.70E-07	3.06E-07	2.69E-07	0.00E+00	0.00E+00	1.11E-07	2.51E-08	1.59E-07	2.45E-08	2.08E-08	3.41E-07
406	489200.19	3858726.45	9.25E-04	1.13E-03	9.97E-04	3.20E-07	9.67E-07	5.60E-07	6.85E-07	6.21E-07	2.84E-07	2.49E-07	0.00E+00	0.00E+00	1.03E-07	2.33E-08	1.48E-07	2.28E-08	1.93E-08	3.16E-07
407	489150.19	3858776.45	1.01E-03	1.24E-03	1.09E-03	3.51E-07	1.06E-06	6.14E-07	7.52E-07	6.81E-07	3.11E-07	2.74E-07	0.00E+00	0.00E+00	1.13E-07	2.55E-08	1.62E-07	2.50E-08	2.12E-08	3.46E-07
408	489200.19	3858776.45	9.25E-04	1.13E-03	9.97E-04	3.20E-07	9.66E-07	5.60E-07	6.85E-07	6.21E-07	2.84E-07	2.50E-07	0.00E+00	0.00E+00	1.03E-07	2.33E-08	1.48E-07	2.28E-08	1.93E-08	3.16E-07
409	488919.6	3856400.76	9.86E-04	1.21E-03	1.06E-03	3.41E-07	1.03E-06	5.97E-07	7.31E-07	6.63E-07	3.02E-07	2.65E-07	0.00E+00	0.00E+00	1.10E-07	2.48E-08	1.57E-07	2.43E-08	2.06E-08	3.37E-07
410	488919.6	3856450.76	1.00E-03	1.23E-03	1.08E-03	3.46E-07	1.05E-06	6.06E-07	7.42E-07	6.72E-07	3.07E-07	2.69E-07	0.00E+00	0.00E+00	1.11E-07	2.52E-08	1.60E-07	2.46E-08	2.08E-08	3.42E-07
411	488969.6	3856450.76	9.83E-04	1.20E-03	1.06E-03	3.40E-07	1.03E-06	5.95E-07	7.28E-07	6.60E-07	3.01E-07	2.64E-07	0.00E+00	0.00E+00	1.09E-07	2.47E-08	1.57E-07	2.42E-08	2.05E-08	3.36E-07
412	488919.6	3856500.76	1.01E-03	1.24E-03	1.09E-03	3.51E-07	1.06E-06	6.14E-07	7.52E-07	6.82E-07	3.11E-07	2.73E-07	0.00E+00	0.00E+00	1.13E-07	2.55E-08	1.62E-07	2.50E-08	2.11E-08	3.47E-07
413	488969.6	3856500.76	9.96E-04	1.22E-03	1.07E-03	3.45E-07	1.04E-06	6.03E-07	7.38E-07	6.69E-07	3.05E-07	2.68E-07	0.00E+00	0.00E+00	1.11E-07	2.50E-08	1.59E-07	2.45E-08	2.07E-08	3.40E-07
414	488919.6	3856550.76	1.03E-03	1.26E-03	1.10E-03	3.56E-07	1.07E-06	6.22E-07	7.62E-07	6.90E-07	3.15E-07	2.76E-07	0.00E+00	0.00E+00	1.14E-07	2.59E-08	1.64E-07	2.53E-08	2.14E-08	3.51E-07
415	488969.6	3856550.76	1.01E-03	1.24E-03	1.08E-03	3.49E-07	1.05E-06	6.10E-07	7.47E-07	6.78E-07	3.09E-07	2.71E-07	0.00E+00	0.00E+00	1.12E-07	2.54E-08	1.61E-07	2.48E-08	2.10E-08	3.44E-07
416	488819.6	3856600.76	1.08E-03	1.33E-03	1.16E-03	3.75E-07	1.13E-06	6.55E-07	8.02E-07	7.27E-07	3.32E-07	2.91E-07	0.00E+00	0.00E+00	1.21E-07	2.72E-08	1.73E-07	2.67E-08	2.25E-08	3.70E-07
417	488869.6	3856600.76	1.06E-03	1.30E-03	1.14E-03	3.67E-07	1.11E-06	6.42E-07	7.87E-07	7.13E-07	3.25E-07	2.85E-07	0.00E+00	0.00E+00	1.18E-07	2.67E-08	1.69E-07	2.61E-08	2.21E-08	3.63E-07
418	488919.6	3856600.76	1.04E-03	1.27E-03	1.12E-03	3.60E-07	1.09E-06	6.30E-07	7.71E-07	6.99E-07	3.19E-07	2.80E-07	0.00E+00	0.00E+00	1.16E-07	2.62E-08	1.66E-07	2.56E-08	2.17E-08	3.55E-07
419	488819.6	3856650.76	1.10E-03	1.34E-03	1.18E-03	3.79E-07	1.15E-06	6.63E-07	8.12E-07	7.36E-07	3.36E-07	2.95E-07	0.00E+00	0.00E+00	1.22E-07	2.76E-08	1.75E-07	2.70E-08	2.28E-08	3.74E-07
420	488869.6	3856650.76	1.07E-03	1.32E-03	1.15E-03	3.72E-07	1.12E-06	6.50E-07	7.96E-07	7.22E-07	3.29E-07	2.89E-07	0.00E+00	0.00E+00	1.20E-07	2.70E-08	1.71E-07	2.64E-08	2.23E-08	3.67E-07
421	488819.6	3856700.76	1.11E-03	1.36E-03	1.19E-03	3.84E-07	1.16E-06	6.71E-07	8.21E-07	7.45E-07	3.40E-07	2.98E-07	0.00E+00	0.00E+00	1.23E-07	2.79E-08	1.77E-07	2.73E-08	2.31E-08	3.79E-07
422	488869.6	3856700.76	1.09E-03	1.33E-03	1.17E-03	3.76E-07	1.14E-06	6.57E-07	8.05E-07	7.29E-07	3.33E-07	2.92E-07	0.00E+00	0.00E+00	1.21E-07	2.73E-08	1.73E-07	2.67E-08	2.26E-08	3.71E-07
423	488819.6	3856750.76	1.12E-03	1.37E-03	1.20E-03	3.88E-07	1.17E-06	6.78E-07	8.30E-07	7.53E-07	3.43E-07	3.01E-07	0.00E+00	0.00E+00	1.25E-07	2.82E-08	1.79E-07	2.76E-08	2.33E-08	3.83E-07
424	488869.6	3856750.76	1.10E-03	1.34E-03	1.18E-03	3.80E-07	1.15E-06	6.64E-07	8.13E-07	7.37E-07	3.36E-07	2.94E-07	0.00E+00	0.00E+00	1.22E-07	2.76E-08	1.75E-07	2.70E-08	2.28E-08	3.75E-07
425	488819.6	3857050.76	1.18E-03	1.44E-03	1.26E-03	4.08E-07	1.23E-06	7.12E-07	8.72E-07	7.91E-07	3.61E-07	3.15E-07	0.00E+00	0.00E+00	1.31E-07	2.96E-08	1.88E-07	2.90E-08	2.44E-08	4.02E-07
426	488869.6	3857050.76	1.15E-03	1.41E-03	1.23E-03	3.98E-07	1.20E-06	6.96E-07	8.52E-07	7.72E-07	3.52E-07	3.08E-07	0.00E+00	0.00E+00	1.28E-07	2.89E-08	1.84E-07	2.83E-08	2.38E-08	3.93E-07
427	488919.6	3857050.76	1.12E-03	1.38E-03	1.20E-03	3.89E-07	1.17E-06	6.80E-07	8.33E-07	7.55E-07	3.45E-07	3.01E-07	0.00E+00	0.00E+00	1.25E-07	2.83E-08	1.79E-07	2.77E-08	2.33E-08	3.84E-07
428	488819.6	3857100.76	1.18E-03	1.45E-03	1.27E-03	4.10E-07	1.24E-06	7.17E-07	8.78E-07	7.95E-07	3.63E-07	3.17E-07	0.00E+00	0.00E+00	1.32E-07	2.98E-08	1.89E-07	2.91E-08	2.45E-08	4.04E-07
429	488869.6	3857100.76	1.16E-03	1.42E-03	1.24E-03	4.00E-07	1.21E-06	7.00E-07	8.57E-07	7.77E-07	3.55E-07	3.09E-07	0.00E+00	0.00E+00	1.29E-07	2.91E-08	1.85E-07	2.85E-08	2.39E-08	3.95E-07
430	488919.6	3857100.76	1.13E-03	1.38E-03	1.21E-03	3.91E-07	1.18E-06	6.83E-07	8.37E-07	7.59E-07	3.46E-07	3.02E-07	0.00E+00	0.00E+00	1.26E-07	2.84E-08	1.80E-07	2.78E-08	2.34E-08	3.86E-07
431	488819.6	3857150.76	1.19E-03	1.46E-03	1.27E-03	4.12E-07	1.24E-06	7.20E-07	8.82E-07	7.99E-07	3.65E-07	3.18E-07	0.00E+00	0.00E+00	1.32E-07	2.99E-08	1.90E-07	2.93E-08	2.46E-08	4.06E-07
432	488869.6	3857150.76	1.16E-03	1.42E-03	1.24E-03	4.02E-07	1.21E-06	7.03E-07	8.61E-07	7.80E-07	3.56E-07	3.10E-07	0.00E+00	0.00E+00	1.29E-07	2.92E-08	1.85E-07	2.86E-08	2.40E-08	3.96E-07
433	488919.6	3857150.76	1.13E-03	1.39E-03	1.21E-03	3.93E-07	1.19E-06	6.86E-07	8.40E-07	7.62E-07	3.48E-07	3.03E-07	0.00E+00	0.00E+00	1.26E-07	2.85E-08	1.81E-07	2.79E-08	2.35E-08	3.87E-07
434	488969.6	3857150.76	1.11E-03	1.36E-03	1.18E-03	3.83E-07	1.16E-06	6.70E-07	8.21E-07	7.44E-07	3.40E-07	2.96E-07	0.00E+00	0.00E+00	1.23E-07	2.79E-08	1.77E-07	2.73E-08	2.29E-08	3.78E-07
435	488819.6	3857200.76	1.19E-03	1.46E-03	1.28E-03	4.14E-07	1.25E-06	7.23E-07	8.85E-07	8.02E-07	3.66E-07	3.19E-07	0.00E+00	0.00E+00	1.33E-07	3.00E-08	1.91E-07	2.94E-08	2.47E-08	4.08E-07
436	488869.6	3857200.76	1.16E-03	1.43E-03	1.24E-03	4.03E-07	1.22E-06	7.05E-07	8.63E-07	7.82E-07	3.57E-07	3.11E-07	0.00E+00	0.00E+00	1.30E-07	2.93E-08	1.86E-07	2.87E-08	2.41E-08	3.98E-07
437	488919.6	3857200.76	1.14E-03	1.39E-03	1.21E-03	3.94E-07	1.19E-06	6.88E-07	8.42E-07	7.64E-07	3.48E-07	3.04E-07	0.00E+00	0.00E+00	1.27E-07	2.86E-08	1.81E-07	2.80E-08	2.35E-08	3.88E-07
438	488969.6	3857200.76	1.11E-03	1.36E-03	1.19E-03	3.84E-07	1.16E-06	6.72E-07	8.23E-07	7.46E-07	3.40E-07	2.97E-07	0.00E+00	0.00E+00	1.24E-07	2.79E-08	1.77E-07	2.73E-08	2.30E-08	3.79E-07
439	488819.6	3857250.76	1.20E-03	1.47E-03	1.28E-03	4.15E-07	1.25E-06	7.25E-07	8.88E-07	8.05E-07	3.67E-07	3.20E-07	0.00E+00	0.00E+00	1.33E-07	3.01E-08	1.91E-07	2.95E-08	2.48E-08	4.09E-07
440	488869.6	3857250.76	1.17E-03	1.43E-03	1.25E-03	4.04E-07	1.22E-06	7.06E-07	8.65E-07	7.84E-07	3.58E-07	3.12E-07	0.00E+00	0.00E+00	1.30E-07	2.94E-08	1.86E-07	2.87E-08	2.42E-08	3.99E-07
441	488919.6	3857250.76	1.14E-03	1.39E-03	1.22E-03	3.94E-07	1.19E-06	6.89E-07	8.44E-07	7.65E-07	3.49E-07	3.04E-07	0.00E+00	0.00E+00	1.27E-07	2.86E-08	1.82E-07	2.80E-08	2.36E-08	3.89E-07
442	488969.6	3857250.76	1.11E-03	1.36E-03	1.19E-03	3.85E-07	1.16E-06	6.72E-07	8.23E-07	7.46E-07	3.41E-07	2.97E-07	0.00E+00	0.00E+00	1.24E-07	2.79E-08	1.77E-07	2.73E-08	2.30E-08	3.79E-07
443	488819.6	3857300.76	1.20E-03	1.47E-03	1.28E-03	4.15E-07	1.25E-06	7.25E-07	8.88E-07	8.05E-07	3.67E-07	3.20E-07	0.00E+00	0.00E+00	1.33E-07	3.02E-08	1.91E-07	2.95E-08	2.48E-08	4.09E-07
444	488869.6	3857300.76	1.17E-03	1.43E-03	1.25E-03	4.04E-07	1.22E-06	7.07E-07	8.66E-07	7.85E-07	3.58E-07	3.12E-07	0.00E+00	0.00E+00	1.30E-07	2.94E-08	1.86E-07	2.87E-08	2.42E-08	3.99E-07
445	488919.6	3857300.76	1.14E-03	1.39E-03	1.22E-03	3.94E-07	1.19E-06	6.89E-07	8.43E-07	7.65E-07	3.49E-07	3.04E-07	0.00E+00	0.00E+00	1.27E-07	2.86E-08	1.82E-07	2.80E-08	2.36E-08	3.89E-07
446	488819.6	3857450.76	1.19E-03	1.46E-03	1.27E-03	4.13E-07	1.25E-06	7.21E-07	8.83E-07	8.01E-07	3.65E-07	3.19E-07	0.00E+00	0.00E+00	1.33E-07	3.00E-08	1.90E-07	2.93E-08	2.47E-08	4.07E-07
447	488869.6	3857450.76	1.16E-03	1.42E-03	1.24E-03	4.01E-07	1.21E-06	7.01E-07	8.59E-07	7.79E-07	3.55E-07	3.10E-07	0.00E+00	0.00E+00	1.29E-07	2.92E-08	1.85E-07	2.85E-08	2.40E-08	3.96E-07
448	488919.6	3857450.76	1.13E-03	1.38E-03	1.20E-03	3.90E-07	1.18E-06	6.82E-07	8.35E-07	7.57E-07	3.45E-07	3.01E-07	0.00E+00	0.00E+00	1.25E-07	2.83E-08	1.80E-07	2.77E-08	2.33E-08	3.85E-07
449	488819.6	3857500.76	1.19E-03	1.45E-03	1.27E-03	4.10E-07	1.24E-06	7.17E-07	8.79E-07	7.96E-07	3.63E-07	3.17E-07	0.00E+00	0.00E+00	1.32E-07	2.98E-08	1.89E-07	2.92E-08	2.46E-08	4.05E-07
450	488869.6	3857500.76	1.15E-03	1.41E-03	1.23E-03	3.99E-07	1.20E-06	6.97E-07	8.53E-07	7.73E-07	3.53E-07	3.08E-07	0.00E+00	0.00E+00	1.28E-07	2.90E-08	1.84E-07	2.83E-08	2.38E-08	3.93E-07
451	488919.6	3857500.76	1.12E-03	1.37E-03	1.20E-03	3.87E-07	1.17E-06	6.77E-07	8.29E-07	7.52E-07	3.43E-07	2.99E-07	0.00E+00	0.00E+00	1.25E-07	2.81E-08	1.79E-07	2.75E-08	2.32E-08	3.82E-07
452	488819.6	3857550.76	1.18E-03	1.44E-03	1.26E-03	4.07E-07	1.23E-06	7.12E-07	8.71E-07	7.90E-07	3.60E-07	3.15E-07	0.00E+00	0.00E+00	1.31E-07	2.96E-08	1.88E-07	2.89E-08	2.44E-08	4.02E-07
453	488869.6	3857550.76	1.14E-03	1.40E-03	1.22E-03	3.95E-07	1.19E-06	6.91E-07	8.46E-07	7.67E-07	3.50E-07	3.06E-07	0.00E+00	0.00E+00	1.27E-07	2.87E-08	1.82E-07	2.81E-08	2.37E-08	3.90E-07
454	488919.6	3857550.76	1.11E-03	1.36E-03	1.19E-03	3.84E-07	1.16E-06	6.71E-07	8.22E-07	7.45E-07	3.40E-07	2.97E-07	0.00E+00	0.00E+00	1.23E-07	2.79E-08	1.77E-07	2.73E-08	2.30E-08	3.79E-07
455	489663.71	3860900.05	8.61E-05	1.05E-04	9.25E-05	2.98E-08	9.00E-08	5.21E-08	6.38E-08	5.79E-08	2.64E-08	2.32E-08	0.00E+00	0.00E+00	9.59E-09	2.17E-09	1.37E-08	2.12E-09	1.79E-09	2.94E-08
456	489813.71	3860900.05	8.66E-05	1.06E-04	9.30E-05	3.00E-08	9.05E-08	5.24E-08	6.42E-08	5.82E-08	2.65E-08	2.33E-08	0.00E+00	0.00E+00	9.64E-09	2.18E-09	1.38E-08	2.13E-09	1.80E-09	2.96E-08
457	489863.71	3860900.05	8.67E-05	1.06E-04	9.31E-05	3.00E-08	9.06E-08	5.24E-08	6.42E-08	5.82E-08	2.66E-08	2.33E-08	0.00E+00	0.00E+00	9.65E-09	2.18E-09	1.38E-08	2.13E-09	1.80E-09	2.96E-08

458	489913.71	3860900.05	8.70E-05	1.07E-04	9.34E-05	3.01E-08	9.09E-08	5.26E-08	6.45E-08	5.84E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.68E-09	2.19E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
459	489963.71	3860900.05	8.71E-05	1.07E-04	9.35E-05	3.01E-08	9.10E-08	5.27E-08	6.45E-08	5.85E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.69E-09	2.19E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
460	490013.71	3860900.05	8.74E-05	1.07E-04	9.39E-05	3.03E-08	9.13E-08	5.29E-08	6.48E-08	5.87E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.73E-09	2.20E-09	1.39E-08	2.15E-09	1.82E-09	2.98E-08
461	490063.71	3860900.05	8.76E-05	1.07E-04	9.41E-05	3.03E-08	9.16E-08	5.30E-08	6.49E-08	5.88E-08	2.69E-08	2.35E-08	0.00E+00	0.00E+00	9.75E-09	2.20E-09	1.40E-08	2.16E-09	1.82E-09	2.99E-08
462	489663.71	3860950.05	8.42E-05	1.03E-04	9.05E-05	2.92E-08	8.81E-08	5.10E-08	6.24E-08	5.66E-08	2.58E-08	2.26E-08	0.00E+00	0.00E+00	9.38E-09	2.12E-09	1.34E-08	2.07E-09	1.75E-09	2.88E-08
463	489813.71	3860950.05	8.47E-05	1.04E-04	9.10E-05	2.93E-08	8.85E-08	5.12E-08	6.28E-08	5.69E-08	2.60E-08	2.28E-08	0.00E+00	0.00E+00	9.43E-09	2.13E-09	1.35E-08	2.08E-09	1.76E-09	2.89E-08
464	489863.71	3860950.05	8.47E-05	1.04E-04	9.10E-05	2.93E-08	8.85E-08	5.12E-08	6.28E-08	5.69E-08	2.60E-08	2.28E-08	0.00E+00	0.00E+00	9.43E-09	2.13E-09	1.35E-08	2.08E-09	1.76E-09	2.89E-08
465	489913.71	3860950.05	8.49E-05	1.04E-04	9.12E-05	2.94E-08	8.88E-08	5.14E-08	6.29E-08	5.71E-08	2.60E-08	2.28E-08	0.00E+00	0.00E+00	9.46E-09	2.14E-09	1.36E-08	2.09E-09	1.77E-09	2.90E-08
466	489963.71	3860950.05	8.50E-05	1.04E-04	9.13E-05	2.94E-08	8.89E-08	5.15E-08	6.30E-08	5.71E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.47E-09	2.14E-09	1.36E-08	2.09E-09	1.77E-09	2.90E-08
467	490013.71	3860950.05	8.53E-05	1.04E-04	9.16E-05	2.95E-08	8.91E-08	5.16E-08	6.32E-08	5.73E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.49E-09	2.14E-09	1.36E-08	2.10E-09	1.77E-09	2.91E-08
468	490063.71	3860950.05	8.55E-05	1.05E-04	9.18E-05	2.96E-08	8.94E-08	5.17E-08	6.34E-08	5.74E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.52E-09	2.15E-09	1.36E-08	2.10E-09	1.78E-09	2.92E-08
469	489513.71	3861000.05	8.23E-05	1.01E-04	8.84E-05	2.85E-08	8.60E-08	4.98E-08	6.10E-08	5.53E-08	2.52E-08	2.21E-08	0.00E+00	0.00E+00	9.16E-09	2.07E-09	1.31E-08	2.03E-09	1.71E-09	2.81E-08
470	489563.71	3861000.05	8.23E-05	1.01E-04	8.84E-05	2.85E-08	8.60E-08	4.98E-08	6.10E-08	5.53E-08	2.52E-08	2.21E-08	0.00E+00	0.00E+00	9.16E-09	2.07E-09	1.31E-08	2.03E-09	1.71E-09	2.81E-08
471	489613.71	3861000.05	8.24E-05	1.01E-04	8.85E-05	2.85E-08	8.62E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.18E-09	2.07E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
472	489663.71	3861000.05	8.25E-05	1.01E-04	8.86E-05	2.86E-08	8.62E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.18E-09	2.08E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
473	489713.71	3861000.05	8.25E-05	1.01E-04	8.86E-05	2.86E-08	8.62E-08	4.99E-08	6.12E-08	5.54E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.19E-09	2.08E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
474	489763.71	3861000.05	8.26E-05	1.01E-04	8.87E-05	2.86E-08	8.64E-08	5.00E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.20E-09	2.08E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
475	489813.71	3861000.05	8.29E-05	1.02E-04	8.90E-05	2.87E-08	8.66E-08	5.01E-08	6.14E-08	5.57E-08	2.54E-08	2.23E-08	0.00E+00	0.00E+00	9.23E-09	2.08E-09	1.32E-08	2.04E-09	1.72E-09	2.83E-08
476	489863.71	3861000.05	8.29E-05	1.02E-04	8.90E-05	2.87E-08	8.66E-08	5.01E-08	6.14E-08	5.57E-08	2.54E-08	2.23E-08	0.00E+00	0.00E+00	9.23E-09	2.08E-09	1.32E-08	2.04E-09	1.72E-09	2.83E-08
477	489913.71	3861000.05	8.31E-05	1.02E-04	8.92E-05	2.88E-08	8.69E-08	5.03E-08	6.16E-08	5.58E-08	2.55E-08	2.23E-08	0.00E+00	0.00E+00	9.25E-09	2.09E-09	1.33E-08	2.05E-09	1.73E-09	2.84E-08
478	489963.71	3861000.05	8.31E-05	1.02E-04	8.93E-05	2.88E-08	8.69E-08	5.03E-08	6.16E-08	5.59E-08	2.55E-08	2.23E-08	0.00E+00	0.00E+00	9.25E-09	2.09E-09	1.33E-08	2.05E-09	1.73E-09	2.84E-08
479	490013.71	3861000.05	8.33E-05	1.02E-04	8.95E-05	2.88E-08	8.71E-08	5.04E-08	6.17E-08	5.60E-08	2.55E-08	2.24E-08	0.00E+00	0.00E+00	9.27E-09	2.10E-09	1.33E-08	2.05E-09	1.73E-09	2.85E-08
480	490063.71	3861000.05	8.35E-05	1.02E-04	8.97E-05	2.89E-08	8.73E-08	5.05E-08	6.19E-08	5.61E-08	2.56E-08	2.24E-08	0.00E+00	0.00E+00	9.29E-09	2.10E-09	1.33E-08	2.06E-09	1.74E-09	2.85E-08
481	489513.71	3861050.05	8.07E-05	9.88E-05	8.67E-05	2.79E-08	8.43E-08	4.88E-08	5.98E-08	5.42E-08	2.47E-08	2.17E-08	0.00E+00	0.00E+00	8.98E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
482	489563.71	3861050.05	8.07E-05	9.88E-05	8.67E-05	2.79E-08	8.43E-08	4.88E-08	5.98E-08	5.42E-08	2.47E-08	2.17E-08	0.00E+00	0.00E+00	8.98E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
483	489613.71	3861050.05	8.09E-05	9.91E-05	8.69E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	9.00E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
484	489663.71	3861050.05	8.08E-05	9.90E-05	8.68E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	9.00E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
485	489713.71	3861050.05	8.08E-05	9.89E-05	8.68E-05	2.80E-08	8.44E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	8.99E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
486	489763.71	3861050.05	8.09E-05	9.91E-05	8.69E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	9.00E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
487	489813.71	3861050.05	8.10E-05	9.93E-05	8.70E-05	2.81E-08	8.47E-08	4.90E-08	6.01E-08	5.44E-08	2.48E-08	2.18E-08	0.00E+00	0.00E+00	9.02E-09	2.04E-09	1.29E-08	1.99E-09	1.69E-09	2.77E-08
488	489863.71	3861050.05	8.11E-05	9.93E-05	8.71E-05	2.81E-08	8.48E-08	4.91E-08	6.01E-08	5.45E-08	2.49E-08	2.18E-08	0.00E+00	0.00E+00	9.03E-09	2.04E-09	1.29E-08	2.00E-09	1.69E-09	2.77E-08
489	489913.71	3861050.05	8.12E-05	9.95E-05	8.72E-05	2.81E-08	8.49E-08	4.91E-08	6.02E-08	5.46E-08	2.49E-08	2.18E-08	0.00E+00	0.00E+00	9.04E-09	2.04E-09	1.30E-08	2.00E-09	1.69E-09	2.77E-08
490	489963.71	3861050.05	8.13E-05	9.96E-05	8.73E-05	2.82E-08	8.50E-08	4.92E-08	6.03E-08	5.46E-08	2.49E-08	2.19E-08	0.00E+00	0.00E+00	9.05E-09	2.05E-09	1.30E-08	2.00E-09	1.69E-09	2.78E-08
491	490013.71	3861050.05	8.16E-05	9.99E-05	8.76E-05	2.82E-08	8.53E-08	4.94E-08	6.04E-08	5.48E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.08E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
492	490063.71	3861050.05	8.17E-05	1.00E-04	8.77E-05	2.83E-08	8.54E-08	4.94E-08	6.05E-08	5.49E-08	2.50E-08	2.20E-08	0.00E+00	0.00E+00	9.09E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
493	489513.71	3861100.05	7.93E-05	9.71E-05	8.52E-05	2.75E-08	8.29E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.83E-09	1.99E-09	1.27E-08	1.95E-09	1.65E-09	2.71E-08
494	489563.71	3861100.05	7.91E-05	9.69E-05	8.49E-05	2.74E-08	8.27E-08	4.79E-08	5.86E-08	5.31E-08	2.42E-08	2.13E-08	0.00E+00	0.00E+00	8.80E-09	1.99E-09	1.26E-08	1.95E-09	1.65E-09	2.70E-08
495	489613.71	3861100.05	7.89E-05	9.66E-05	8.47E-05	2.73E-08	8.25E-08	4.77E-08	5.85E-08	5.30E-08	2.42E-08	2.12E-08	0.00E+00	0.00E+00	8.78E-09	1.98E-09	1.26E-08	1.94E-09	1.64E-09	2.69E-08
496	489663.71	3861100.05	7.90E-05	9.67E-05	8.48E-05	2.73E-08	8.25E-08	4.78E-08	5.85E-08	5.30E-08	2.42E-08	2.12E-08	0.00E+00	0.00E+00	8.79E-09	1.99E-09	1.26E-08	1.94E-09	1.64E-09	2.70E-08
497	489713.71	3861100.05	7.90E-05	9.68E-05	8.49E-05	2.74E-08	8.26E-08	4.78E-08	5.86E-08	5.31E-08	2.42E-08	2.12E-08	0.00E+00	0.00E+00	8.80E-09	1.99E-09	1.26E-08	1.95E-09	1.65E-09	2.70E-08
498	489763.71	3861100.05	7.91E-05	9.69E-05	8.50E-05	2.74E-08	8.27E-08	4.79E-08	5.86E-08	5.32E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.81E-09	1.99E-09	1.26E-08	1.95E-09	1.65E-09	2.70E-08
499	489813.71	3861100.05	7.93E-05	9.71E-05	8.51E-05	2.74E-08	8.29E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.82E-09	1.99E-09	1.27E-08	1.95E-09	1.65E-09	2.71E-08
500	489863.71	3861100.05	7.95E-05	9.74E-05	8.54E-05	2.75E-08	8.31E-08	4.81E-08	5.89E-08	5.34E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.85E-09	2.00E-09	1.27E-08	1.96E-09	1.65E-09	2.71E-08
501	489913.71	3861100.05	7.95E-05	9.74E-05	8.54E-05	2.75E-08	8.31E-08	4.81E-08	5.89E-08	5.34E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.85E-09	2.00E-09	1.27E-08	1.96E-09	1.65E-09	2.71E-08
502	489963.71	3861100.05	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.86E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
503	490013.71	3861100.05	7.97E-05	9.76E-05	8.56E-05	2.76E-08	8.33E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.87E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
504	490063.71	3861100.05	7.98E-05	9.77E-05	8.57E-05	2.76E-08	8.34E-08	4.83E-08	5.91E-08	5.36E-08	2.45E-08	2.14E-08	0.00E+00	0.00E+00	8.88E-09	2.01E-09	1.27E-08	1.96E-09	1.66E-09	2.73E-08
505	489713.71	3861150.05	7.74E-05	9.48E-05	8.31E-05	2.68E-08	8.09E-08	4.68E-08	5.74E-08	5.20E-08	2.37E-08	2.08E-08	0.00E+00	0.00E+00	8.61E-09	1.95E-09	1.24E-08	1.90E-09	1.61E-09	2.64E-08
506	489763.71	3861150.05	7.75E-05	9.49E-05	8.32E-05	2.68E-08	8.10E-08	4.69E-08	5.74E-08	5.21E-08	2.38E-08	2.08E-08	0.00E+00	0.00E+00	8.63E-09	1.95E-09	1.24E-08	1.91E-09	1.61E-09	2.65E-08
507	489813.71	3861150.05	7.76E-05	9.51E-05	8.34E-05	2.69E-08	8.12E-08	4.70E-08	5.75E-08	5.22E-08	2.38E-08	2.09E-08	0.00E+00	0.00E+00	8.64E-09	1.95E-09	1.24E-08	1.91E-09	1.62E-09	2.65E-08
508	489863.71	3861150.05	7.77E-05	9.52E-05	8.35E-05	2.69E-08	8.12E-08	4.70E-08	5.76E-08	5.22E-08	2.38E-08	2.09E-08	0.00E+00	0.00E+00	8.65E-09	1.96E-09	1.24E-08	1.91E-09	1.62E-09	2.65E-08
509	489913.71	3861150.05	7.78E-05	9.53E-05	8.36E-05	2.69E-08	8.13E-08	4.71E-08	5.77E-08	5.23E-08	2.38E-08	2.09E-08	0.00E+00	0.00E+00	8.66E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
510	489963.71	3861150.05	7.78E-05	9.53E-05	8.36E-05	2.69E-08	8.14E-08	4.71E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	0.00E+00	0.00E+00	8.67E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
511	490013.71	3861150.05	7.79E-05	9.54E-05	8.37E-05	2.70E-08	8.14E-08	4.71E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	0.00E+00	0.00E+00	8.67E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
512	490063.71	3861150.05	7.81E-05	9.56E-05	8.38E-05	2.70E-08	8.16E-08	4.72E-08	5.79E-08	5.24E-08	2.39E-08	2.10E-08	0.00E+00	0.00E+00	8.69E-09	1.96E-09	1.25E-08	1.92E-09	1.62E-09	2.67E-08
513	489613.71	3861200.05	7.56E-05	9.26E-05	8.12E-05	2.62E-08	7.90E-08	4.58E-08	5.60E-08	5.08E-08	2.32E-08	2.03E-08	0.00E+00	0.00E+00	8.42E-09	1.90E-09	1.21E-08	1.86E-09	1.57E-09	2.58E-08
514	489663.71	3861200.05	7.57E-05	9.27E-05	8.13E-05	2.62E-08	7.91E-08	4.58E-08	5.61E-08	5.09E-08	2.32E-08	2.04E-08	0.00E+00	0.00E+00	8.43E-09	1.90E-09	1.21E-08	1.86E-09	1.58E-09	2.59E-08
515	489713.71	3861200.05	7.58E-05	9.29E-05	8.14E-05	2.62E-08	7.92E-08	4.59E-08	5.62E-08	5.09E-08	2.32E-08	2.04E-08	0.00E+00	0.00E+00	8.44E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.59E-08

516	489763.71	3861200.05	7.59E-05	9.30E-05	8.15E-05	2.63E-08	7.93E-08	4.59E-08	5.63E-08	5.10E-08	2.33E-08	2.04E-08	0.00E+00	0.00E+00	8.45E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.59E-08
517	489813.71	3861200.05	7.61E-05	9.32E-05	8.17E-05	2.63E-08	7.95E-08	4.60E-08	5.64E-08	5.11E-08	2.33E-08	2.04E-08	0.00E+00	0.00E+00	8.47E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.60E-08
518	489863.71	3861200.05	7.62E-05	9.33E-05	8.19E-05	2.64E-08	7.97E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.48E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.60E-08
519	489913.71	3861200.05	7.63E-05	9.34E-05	8.19E-05	2.64E-08	7.97E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.49E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.60E-08
520	489963.71	3861200.05	7.63E-05	9.34E-05	8.19E-05	2.64E-08	7.97E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.49E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.60E-08
521	490013.71	3861200.05	7.64E-05	9.35E-05	8.20E-05	2.64E-08	7.98E-08	4.62E-08	5.66E-08	5.13E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.50E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.61E-08
522	490063.71	3861200.05	7.64E-05	9.36E-05	8.21E-05	2.65E-08	7.99E-08	4.62E-08	5.66E-08	5.13E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.51E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.61E-08
523	489513.71	3861250.05	7.39E-05	9.05E-05	7.94E-05	2.56E-08	7.72E-08	4.47E-08	5.48E-08	4.96E-08	2.26E-08	1.99E-08	0.00E+00	0.00E+00	8.22E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.52E-08
524	489563.71	3861250.05	7.41E-05	9.07E-05	7.96E-05	2.56E-08	7.74E-08	4.48E-08	5.49E-08	4.98E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.24E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.53E-08
525	489613.71	3861250.05	7.42E-05	9.08E-05	7.97E-05	2.57E-08	7.75E-08	4.49E-08	5.50E-08	4.98E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.26E-09	1.87E-09	1.18E-08	1.83E-09	1.54E-09	2.53E-08
526	489663.71	3861250.05	7.42E-05	9.09E-05	7.97E-05	2.57E-08	7.76E-08	4.49E-08	5.50E-08	4.99E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.26E-09	1.87E-09	1.18E-08	1.83E-09	1.55E-09	2.54E-08
527	489713.71	3861250.05	7.43E-05	9.10E-05	7.98E-05	2.57E-08	7.77E-08	4.50E-08	5.51E-08	4.99E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.27E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.54E-08
528	489763.71	3861250.05	7.44E-05	9.12E-05	7.99E-05	2.58E-08	7.78E-08	4.50E-08	5.52E-08	5.00E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.28E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.54E-08
529	489813.71	3861250.05	7.45E-05	9.13E-05	8.00E-05	2.58E-08	7.79E-08	4.51E-08	5.52E-08	5.01E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.30E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.55E-08
530	489863.71	3861250.05	7.46E-05	9.14E-05	8.01E-05	2.58E-08	7.80E-08	4.52E-08	5.53E-08	5.01E-08	2.29E-08	2.01E-08	0.00E+00	0.00E+00	8.31E-09	1.88E-09	1.19E-08	1.84E-09	1.55E-09	2.55E-08
531	489913.71	3861250.05	7.47E-05	9.15E-05	8.03E-05	2.59E-08	7.81E-08	4.52E-08	5.54E-08	5.02E-08	2.29E-08	2.01E-08	0.00E+00	0.00E+00	8.32E-09	1.88E-09	1.19E-08	1.84E-09	1.56E-09	2.55E-08
532	489963.71	3861250.05	7.48E-05	9.16E-05	8.04E-05	2.59E-08	7.82E-08	4.53E-08	5.54E-08	5.03E-08	2.29E-08	2.01E-08	0.00E+00	0.00E+00	8.33E-09	1.88E-09	1.19E-08	1.84E-09	1.56E-09	2.56E-08
533	490013.71	3861250.05	7.49E-05	9.17E-05	8.04E-05	2.59E-08	7.83E-08	4.53E-08	5.55E-08	5.03E-08	2.30E-08	2.01E-08	0.00E+00	0.00E+00	8.33E-09	1.88E-09	1.20E-08	1.84E-09	1.56E-09	2.56E-08
534	490063.71	3861250.05	7.49E-05	9.17E-05	8.04E-05	2.59E-08	7.82E-08	4.53E-08	5.55E-08	5.03E-08	2.29E-08	2.01E-08	0.00E+00	0.00E+00	8.33E-09	1.88E-09	1.19E-08	1.84E-09	1.56E-09	2.56E-08
535	489528.13	3861308.47	7.22E-05	8.84E-05	7.76E-05	2.50E-08	7.55E-08	4.37E-08	5.35E-08	4.85E-08	2.21E-08	1.94E-08	0.00E+00	0.00E+00	8.04E-09	1.82E-09	1.15E-08	1.78E-09	1.50E-09	2.47E-08
536	489578.13	3861308.47	7.23E-05	8.86E-05	7.77E-05	2.50E-08	7.56E-08	4.38E-08	5.36E-08	4.86E-08	2.22E-08	1.94E-08	0.00E+00	0.00E+00	8.05E-09	1.82E-09	1.15E-08	1.78E-09	1.51E-09	2.47E-08
537	489628.13	3861308.47	7.24E-05	8.87E-05	7.78E-05	2.51E-08	7.57E-08	4.38E-08	5.37E-08	4.87E-08	2.22E-08	1.95E-08	0.00E+00	0.00E+00	8.06E-09	1.82E-09	1.16E-08	1.78E-09	1.51E-09	2.47E-08
538	489678.13	3861308.47	7.26E-05	8.89E-05	7.79E-05	2.51E-08	7.58E-08	4.39E-08	5.38E-08	4.88E-08	2.22E-08	1.95E-08	0.00E+00	0.00E+00	8.08E-09	1.83E-09	1.16E-08	1.79E-09	1.51E-09	2.48E-08
539	489728.13	3861308.47	7.27E-05	8.90E-05	7.81E-05	2.52E-08	7.60E-08	4.40E-08	5.39E-08	4.88E-08	2.23E-08	1.95E-08	0.00E+00	0.00E+00	8.09E-09	1.83E-09	1.16E-08	1.79E-09	1.51E-09	2.48E-08
540	489778.13	3861308.47	7.27E-05	8.91E-05	7.81E-05	2.52E-08	7.60E-08	4.40E-08	5.39E-08	4.89E-08	2.23E-08	1.96E-08	0.00E+00	0.00E+00	8.10E-09	1.83E-09	1.16E-08	1.79E-09	1.51E-09	2.48E-08
541	489678.13	3861358.47	7.12E-05	8.71E-05	7.64E-05	2.46E-08	7.44E-08	4.31E-08	5.27E-08	4.78E-08	2.18E-08	1.91E-08	0.00E+00	0.00E+00	7.92E-09	1.79E-09	1.14E-08	1.75E-09	1.48E-09	2.43E-08
542	489728.13	3861358.47	7.12E-05	8.72E-05	7.65E-05	2.47E-08	7.45E-08	4.31E-08	5.28E-08	4.79E-08	2.18E-08	1.91E-08	0.00E+00	0.00E+00	7.93E-09	1.79E-09	1.14E-08	1.75E-09	1.48E-09	2.43E-08
543	489528.13	3861408.47	6.94E-05	8.50E-05	7.45E-05	2.40E-08	7.25E-08	4.20E-08	5.14E-08	4.66E-08	2.13E-08	1.87E-08	0.00E+00	0.00E+00	7.72E-09	1.75E-09	1.11E-08	1.71E-09	1.44E-09	2.37E-08
544	489578.13	3861408.47	6.95E-05	8.51E-05	7.47E-05	2.41E-08	7.27E-08	4.21E-08	5.15E-08	4.67E-08	2.13E-08	1.87E-08	0.00E+00	0.00E+00	7.74E-09	1.75E-09	1.11E-08	1.71E-09	1.45E-09	2.37E-08
545	489628.13	3861408.47	6.98E-05	8.54E-05	7.49E-05	2.42E-08	7.29E-08	4.22E-08	5.17E-08	4.69E-08	2.14E-08	1.88E-08	0.00E+00	0.00E+00	7.77E-09	1.75E-09	1.11E-08	1.72E-09	1.45E-09	2.38E-08
546	489678.13	3861408.47	6.98E-05	8.55E-05	7.50E-05	2.42E-08	7.30E-08	4.22E-08	5.17E-08	4.69E-08	2.14E-08	1.88E-08	0.00E+00	0.00E+00	7.77E-09	1.76E-09	1.11E-08	1.72E-09	1.45E-09	2.38E-08
547	489728.13	3861408.47	6.98E-05	8.55E-05	7.50E-05	2.42E-08	7.30E-08	4.23E-08	5.18E-08	4.69E-08	2.14E-08	1.88E-08	0.00E+00	0.00E+00	7.77E-09	1.76E-09	1.11E-08	1.72E-09	1.45E-09	2.39E-08
548	489528.13	3861458.47	6.81E-05	8.34E-05	7.32E-05	2.36E-08	7.12E-08	4.12E-08	5.05E-08	4.58E-08	2.09E-08	1.83E-08	0.00E+00	0.00E+00	7.58E-09	1.71E-09	1.09E-08	1.68E-09	1.42E-09	2.33E-08
549	489578.13	3861458.47	6.83E-05	8.36E-05	7.33E-05	2.36E-08	7.14E-08	4.13E-08	5.06E-08	4.59E-08	2.09E-08	1.84E-08	0.00E+00	0.00E+00	7.60E-09	1.72E-09	1.09E-08	1.68E-09	1.42E-09	2.33E-08
550	489628.13	3861458.47	6.84E-05	8.38E-05	7.34E-05	2.37E-08	7.15E-08	4.14E-08	5.07E-08	4.59E-08	2.10E-08	1.84E-08	0.00E+00	0.00E+00	7.61E-09	1.72E-09	1.09E-08	1.68E-09	1.42E-09	2.34E-08
551	489678.13	3861458.47	6.85E-05	8.38E-05	7.35E-05	2.37E-08	7.15E-08	4.14E-08	5.07E-08	4.60E-08	2.10E-08	1.84E-08	0.00E+00	0.00E+00	7.62E-09	1.72E-09	1.09E-08	1.68E-09	1.42E-09	2.34E-08
552	489728.13	3861458.47	6.84E-05	8.38E-05	7.35E-05	2.37E-08	7.15E-08	4.14E-08	5.07E-08	4.60E-08	2.10E-08	1.84E-08	0.00E+00	0.00E+00	7.62E-09	1.72E-09	1.09E-08	1.68E-09	1.42E-09	2.34E-08
553	489528.13	3861508.47	6.69E-05	8.19E-05	7.18E-05	2.31E-08	6.99E-08	4.05E-08	4.95E-08	4.49E-08	2.05E-08	1.80E-08	0.00E+00	0.00E+00	7.44E-09	1.68E-09	1.07E-08	1.65E-09	1.39E-09	2.28E-08
554	489578.13	3861508.47	6.70E-05	8.20E-05	7.19E-05	2.32E-08	7.00E-08	4.05E-08	4.96E-08	4.50E-08	2.05E-08	1.80E-08	0.00E+00	0.00E+00	7.45E-09	1.68E-09	1.07E-08	1.65E-09	1.39E-09	2.29E-08
555	489628.13	3861508.47	6.70E-05	8.21E-05	7.20E-05	2.32E-08	7.01E-08	4.06E-08	4.97E-08	4.50E-08	2.06E-08	1.80E-08	0.00E+00	0.00E+00	7.46E-09	1.69E-09	1.07E-08	1.65E-09	1.40E-09	2.29E-08
556	489678.13	3861508.47	6.71E-05	8.22E-05	7.21E-05	2.32E-08	7.01E-08	4.06E-08	4.97E-08	4.51E-08	2.06E-08	1.80E-08	0.00E+00	0.00E+00	7.47E-09	1.69E-09	1.07E-08	1.65E-09	1.40E-09	2.29E-08
557	489728.13	3861508.47	6.71E-05	8.22E-05	7.21E-05	2.32E-08	7.02E-08	4.06E-08	4.98E-08	4.51E-08	2.06E-08	1.80E-08	0.00E+00	0.00E+00	7.47E-09	1.69E-09	1.07E-08	1.65E-09	1.40E-09	2.29E-08
558	489628.13	3861558.47	6.59E-05	8.07E-05	7.08E-05	2.28E-08	6.89E-08	3.99E-08	4.88E-08	4.43E-08	2.02E-08	1.77E-08	0.00E+00	0.00E+00	7.33E-09	1.66E-09	1.05E-08	1.62E-09	1.37E-09	2.25E-08
559	489678.13	3861558.47	6.60E-05	8.08E-05	7.09E-05	2.28E-08	6.90E-08	3.99E-08	4.89E-08	4.43E-08	2.02E-08	1.77E-08	0.00E+00	0.00E+00	7.35E-09	1.66E-09	1.05E-08	1.62E-09	1.37E-09	2.25E-08
560	489728.13	3861558.47	6.61E-05	8.09E-05	7.09E-05	2.29E-08	6.90E-08	4.00E-08	4.90E-08	4.44E-08	2.02E-08	1.78E-08	0.00E+00	0.00E+00	7.35E-09	1.66E-09	1.05E-08	1.63E-09	1.37E-09	2.26E-08
561	489357.08	3861015.81	8.16E-05	9.99E-05	8.76E-05	2.82E-08	8.53E-08	4.94E-08	6.05E-08	5.48E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.08E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
562	489407.08	3861015.81	8.15E-05	9.99E-05	8.76E-05	2.82E-08	8.52E-08	4.93E-08	6.04E-08	5.48E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.08E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.78E-08
563	489457.08	3861015.81	8.16E-05	9.99E-05	8.76E-05	2.82E-08	8.53E-08	4.94E-08	6.05E-08	5.48E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.08E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
564	489357.08	3861065.81	7.99E-05	9.79E-05	8.59E-05	2.77E-08	8.35E-08	4.84E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.90E-09	2.01E-09	1.28E-08	1.97E-09	1.66E-09	2.73E-08
565	489407.08	3861065.81	7.99E-05	9.78E-05	8.58E-05	2.77E-08	8.35E-08	4.83E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.89E-09	2.01E-09	1.28E-08	1.97E-09	1.66E-09	2.73E-08
566	489457.08	3861065.81	7.99E-05	9.79E-05	8.59E-05	2.77E-08	8.36E-08	4.84E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.90E-09	2.01E-09	1.28E-08	1.97E-09	1.66E-09	2.73E-08
567	489357.08	3861115.81	7.83E-05	9.59E-05	8.41E-05	2.71E-08	8.18E-08	4.74E-08	5.80E-08	5.26E-08	2.40E-08	2.10E-08	0.00E+00	0.00E+00	8.71E-09	1.97E-09	1.25E-08	1.93E-09	1.63E-09	2.67E-08
568	489407.08	3861115.81	7.84E-05	9.60E-05	8.42E-05	2.71E-08	8.19E-08	4.74E-08	5.81E-08	5.27E-08	2.40E-08	2.11E-08	0.00E+00	0.00E+00	8.73E-09	1.97E-09	1.25E-08	1.93E-09	1.63E-09	2.68E-08
569	489457.08	3861115.81	7.85E-05	9.61E-05	8.43E-05	2.72E-08	8.20E-08	4.75E-08	5.82E-08	5.27E-08	2.41E-08	2.11E-08	0.00E+00	0.00E+00	8.74E-09	1.97E-09	1.25E-08	1.93E-09	1.63E-09	2.68E-08
570	489407.08	3861165.81	7.69E-05	9.42E-05	8.26E-05	2.66E-08	8.04E-08	4.65E-08	5.70E-08	5.17E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.56E-09	1.93E-09	1.23E-08	1.89E-09	1.60E-09	2.63E-08
571	489457.08	3861165.81	7.69E-05	9.42E-05	8.26E-05	2.66E-08	8.04E-08	4.65E-08	5.70E-08	5.17E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.56E-09	1.93E-09	1.23E-08	1.89E-09	1.60E-09	2.63E-08
572	489407.08	3861215.81	7.50E-05	9.19E-05	8.06E-05	2.60E-08	7.84E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.02E-08	0.00E+00	0.00E+00	8.35E-09	1.89E-09	1.20E-08	1.85E-09	1.56E-09	2.56E-08
573	489457.08	3861215.81	7.51E-05	9.19E-05	8.06E-05	2.60E-08	7.84E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.02E-08	0.00E+00	0.00E+00	8.35E-09	1.89E-09	1.20E-08	1.85E-09	1.56E-09	2.56E-08

574	489407.08	3861265.81	7.31E-05	8.96E-05	7.86E-05	2.53E-08	7.65E-08	4.43E-08	5.42E-08	4.91E-08	2.24E-08	1.97E-08	0.00E+00	0.00E+00	8.14E-09	1.84E-09	1.17E-08	1.80E-09	1.52E-09	2.50E-08
575	489457.08	3861265.81	7.33E-05	8.98E-05	7.87E-05	2.54E-08	7.66E-08	4.44E-08	5.43E-08	4.93E-08	2.25E-08	1.97E-08	0.00E+00	0.00E+00	8.16E-09	1.84E-09	1.17E-08	1.80E-09	1.53E-09	2.50E-08
576	489309.86	3861110.14	7.83E-05	9.59E-05	8.41E-05	2.71E-08	8.18E-08	4.74E-08	5.80E-08	5.26E-08	2.40E-08	2.10E-08	0.00E+00	0.00E+00	8.71E-09	1.97E-09	1.25E-08	1.93E-09	1.63E-09	2.67E-08
577	489407.08	3861315.81	7.17E-05	8.78E-05	7.70E-05	2.48E-08	7.49E-08	4.34E-08	5.31E-08	4.82E-08	2.20E-08	1.93E-08	0.00E+00	0.00E+00	7.98E-09	1.80E-09	1.14E-08	1.76E-09	1.49E-09	2.45E-08
578	489457.08	3861315.81	7.19E-05	8.80E-05	7.72E-05	2.49E-08	7.51E-08	4.35E-08	5.33E-08	4.83E-08	2.20E-08	1.93E-08	0.00E+00	0.00E+00	8.00E-09	1.81E-09	1.15E-08	1.77E-09	1.50E-09	2.45E-08
579	488906.03	3861006.75	8.15E-05	9.99E-05	8.76E-05	2.82E-08	8.52E-08	4.93E-08	6.04E-08	5.48E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.08E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.78E-08
580	488956.03	3861006.75	8.19E-05	1.00E-04	8.79E-05	2.83E-08	8.56E-08	4.95E-08	6.07E-08	5.50E-08	2.51E-08	2.20E-08	0.00E+00	0.00E+00	9.11E-09	2.06E-09	1.31E-08	2.01E-09	1.70E-09	2.80E-08
581	488904.24	3861051.87	8.12E-05	9.95E-05	8.72E-05	2.81E-08	8.49E-08	4.91E-08	6.02E-08	5.46E-08	2.49E-08	2.18E-08	0.00E+00	0.00E+00	9.04E-09	2.04E-09	1.30E-08	2.00E-09	1.69E-09	2.77E-08
582	488954.24	3861051.87	8.07E-05	9.89E-05	8.67E-05	2.79E-08	8.44E-08	4.89E-08	5.98E-08	5.42E-08	2.47E-08	2.17E-08	0.00E+00	0.00E+00	8.99E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
583	489004.24	3861051.87	8.12E-05	9.94E-05	8.72E-05	2.81E-08	8.48E-08	4.91E-08	6.02E-08	5.45E-08	2.49E-08	2.18E-08	0.00E+00	0.00E+00	9.04E-09	2.04E-09	1.30E-08	2.00E-09	1.69E-09	2.77E-08
584	488804.24	3861101.87	7.89E-05	9.66E-05	8.47E-05	2.73E-08	8.24E-08	4.77E-08	5.84E-08	5.30E-08	2.42E-08	2.12E-08	0.00E+00	0.00E+00	8.78E-09	1.98E-09	1.26E-08	1.94E-09	1.64E-09	2.69E-08
585	488854.24	3861101.87	7.91E-05	9.69E-05	8.50E-05	2.74E-08	8.27E-08	4.79E-08	5.86E-08	5.31E-08	2.42E-08	2.13E-08	0.00E+00	0.00E+00	8.80E-09	1.99E-09	1.26E-08	1.95E-09	1.65E-09	2.70E-08
586	488904.24	3861101.87	7.82E-05	9.58E-05	8.40E-05	2.71E-08	8.17E-08	4.73E-08	5.79E-08	5.25E-08	2.40E-08	2.10E-08	0.00E+00	0.00E+00	8.70E-09	1.97E-09	1.25E-08	1.92E-09	1.63E-09	2.67E-08
587	488954.24	3861101.87	7.79E-05	9.55E-05	8.37E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	0.00E+00	0.00E+00	8.68E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
588	489004.24	3861101.87	7.81E-05	9.56E-05	8.38E-05	2.70E-08	8.16E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	0.00E+00	0.00E+00	8.69E-09	1.96E-09	1.25E-08	1.92E-09	1.62E-09	2.67E-08
589	488804.24	3861151.87	7.61E-05	9.32E-05	8.17E-05	2.63E-08	7.95E-08	4.60E-08	5.64E-08	5.11E-08	2.33E-08	2.04E-08	0.00E+00	0.00E+00	8.47E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.60E-08
590	488854.24	3861151.87	7.59E-05	9.30E-05	8.15E-05	2.63E-08	7.93E-08	4.59E-08	5.62E-08	5.10E-08	2.33E-08	2.04E-08	0.00E+00	0.00E+00	8.45E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.59E-08
591	489129.49	3861187.55	7.50E-05	9.19E-05	8.06E-05	2.60E-08	7.84E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.02E-08	0.00E+00	0.00E+00	8.35E-09	1.89E-09	1.20E-08	1.85E-09	1.56E-09	2.56E-08
592	489179.49	3861187.55	7.51E-05	9.20E-05	8.07E-05	2.60E-08	7.85E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.02E-08	0.00E+00	0.00E+00	8.36E-09	1.89E-09	1.20E-08	1.85E-09	1.56E-09	2.56E-08
593	488804.24	3861201.87	7.46E-05	9.13E-05	8.01E-05	2.58E-08	7.79E-08	4.51E-08	5.53E-08	5.01E-08	2.29E-08	2.00E-08	0.00E+00	0.00E+00	8.30E-09	1.88E-09	1.19E-08	1.84E-09	1.55E-09	2.55E-08
594	488854.24	3861201.87	7.42E-05	9.09E-05	7.97E-05	2.57E-08	7.75E-08	4.49E-08	5.50E-08	4.98E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.26E-09	1.87E-09	1.18E-08	1.83E-09	1.54E-09	2.53E-08
595	489129.49	3861237.55	7.37E-05	9.02E-05	7.92E-05	2.55E-08	7.70E-08	4.46E-08	5.46E-08	4.95E-08	2.26E-08	1.98E-08	0.00E+00	0.00E+00	8.20E-09	1.85E-09	1.18E-08	1.81E-09	1.53E-09	2.52E-08
596	489179.49	3861237.55	7.36E-05	9.01E-05	7.91E-05	2.55E-08	7.69E-08	4.45E-08	5.45E-08	4.94E-08	2.26E-08	1.98E-08	0.00E+00	0.00E+00	8.19E-09	1.85E-09	1.17E-08	1.81E-09	1.53E-09	2.51E-08
597	488804.24	3861251.87	7.32E-05	8.97E-05	7.86E-05	2.53E-08	7.65E-08	4.43E-08	5.43E-08	4.92E-08	2.24E-08	1.97E-08	0.00E+00	0.00E+00	8.15E-09	1.84E-09	1.17E-08	1.80E-09	1.52E-09	2.50E-08
598	488854.24	3861251.87	7.28E-05	8.91E-05	7.82E-05	2.52E-08	7.61E-08	4.40E-08	5.39E-08	4.89E-08	2.23E-08	1.96E-08	0.00E+00	0.00E+00	8.10E-09	1.83E-09	1.16E-08	1.79E-09	1.52E-09	2.49E-08
599	488804.24	3861301.87	7.17E-05	8.78E-05	7.70E-05	2.48E-08	7.49E-08	4.34E-08	5.31E-08	4.82E-08	2.20E-08	1.93E-08	0.00E+00	0.00E+00	7.98E-09	1.80E-09	1.14E-08	1.76E-09	1.49E-09	2.45E-08
600	488854.24	3861301.87	7.14E-05	8.75E-05	7.67E-05	2.47E-08	7.46E-08	4.32E-08	5.29E-08	4.80E-08	2.19E-08	1.92E-08	0.00E+00	0.00E+00	7.95E-09	1.80E-09	1.14E-08	1.76E-09	1.49E-09	2.44E-08
601	490943.5	3860181.97	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
602	490993.5	3860181.97	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
603	491043.5	3860181.97	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.75E-08	7.93E-08	3.62E-08	3.18E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.03E-08
604	491093.5	3860181.97	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.91E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
605	490943.5	3860231.97	1.16E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.84E-08	2.84E-09	2.40E-09	3.95E-08
606	490993.5	3860231.97	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
607	491043.5	3860231.97	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.52E-08	7.72E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.83E-09	2.39E-09	3.92E-08
608	491093.5	3860231.97	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
609	490943.5	3860281.97	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.84E-09	1.80E-08	2.77E-09	2.35E-09	3.85E-08
610	490993.5	3860281.97	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.18E-07	6.80E-08	8.33E-08	7.55E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.79E-08	2.77E-09	2.34E-09	3.84E-08
611	491043.5	3860281.97	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
612	491093.5	3860281.97	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.49E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
613	490943.5	3860331.97	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
614	490993.5	3860331.97	1.10E-04	1.34E-04	1.18E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
615	491043.5	3860331.97	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.60E-08	8.08E-08	7.33E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
616	491093.5	3860331.97	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.57E-08	8.05E-08	7.30E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.71E-08
617	490086.72	3859935.12	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.96E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.65E-09	3.08E-09	5.06E-08
618	490136.72	3859935.12	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.90E-08	1.09E-07	9.88E-08	4.51E-08	3.95E-08	0.00E+00	0.00E+00	1.64E-08	3.70E-09	2.35E-08	3.62E-09	3.06E-09	5.02E-08
619	490186.72	3859935.12	1.46E-04	1.79E-04	1.57E-04	5.05E-08	1.53E-07	8.84E-08	1.08E-07	9.81E-08	4.48E-08	3.93E-08	0.00E+00	0.00E+00	1.63E-08	3.67E-09	2.33E-08	3.59E-09	3.04E-09	4.99E-08
620	490236.72	3859935.12	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.78E-08	1.07E-07	9.74E-08	4.45E-08	3.90E-08	0.00E+00	0.00E+00	1.61E-08	3.65E-09	2.32E-08	3.57E-09	3.02E-09	4.95E-08
621	490286.72	3859935.12	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.55E-09	3.00E-09	4.92E-08
622	490336.72	3859935.12	1.43E-04	1.75E-04	1.54E-04	4.95E-08	1.50E-07	8.66E-08	1.06E-07	9.61E-08	4.39E-08	3.85E-08	0.00E+00	0.00E+00	1.59E-08	3.60E-09	2.28E-08	3.52E-09	2.98E-09	4.89E-08
623	490386.72	3859935.12	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.57E-08	4.36E-08	3.83E-08	0.00E+00	0.00E+00	1.58E-08	3.58E-09	2.27E-08	3.50E-09	2.96E-09	4.86E-08
624	490436.72	3859935.12	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.57E-08	1.05E-07	9.52E-08	4.34E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.49E-09	2.95E-09	4.84E-08
625	490486.72	3859935.12	1.41E-04	1.73E-04	1.52E-04	4.89E-08	1.48E-07	8.54E-08	1.05E-07	9.49E-08	4.33E-08	3.80E-08	0.00E+00	0.00E+00	1.57E-08	3.55E-09	2.25E-08	3.48E-09	2.94E-09	4.82E-08
626	490536.72	3859935.12	1.41E-04	1.73E-04	1.52E-04	4.89E-08	1.48E-07	8.54E-08	1.05E-07	9.48E-08	4.33E-08	3.80E-08	0.00E+00	0.00E+00	1.57E-08	3.55E-09	2.25E-08	3.48E-09	2.94E-09	4.82E-08
627	490586.72	3859935.12	1.41E-04	1.73E-04	1.52E-04	4.89E-08	1.48E-07	8.55E-08	1.05E-07	9.49E-08	4.33E-08	3.80E-08	0.00E+00	0.00E+00	1.57E-08	3.56E-09	2.26E-08	3.48E-09	2.94E-09	4.83E-08
628	490636.72	3859935.12	1.41E-04	1.73E-04	1.52E-04	4.89E-08	1.48E-07	8.55E-08	1.05E-07	9.49E-08	4.33E-08	3.80E-08	0.00E+00	0.00E+00	1.57E-08	3.55E-09	2.25E-08	3.48E-09	2.94E-09	4.82E-08
629	490686.72	3859935.12	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.57E-08	1.05E-07	9.52E-08	4.34E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.49E-09	2.95E-09	4.84E-08
630	490736.72	3859935.12	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.59E-08	1.05E-07	9.53E-08	4.35E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.57E-09	2.26E-08	3.49E-09	2.95E-09	4.85E-08
631	490086.72	3859985.12	1.44E-04	1.77E-04	1.55E-04	4.99E-08	1.51E-07	8.73E-08	1.07E-07	9.69E-08	4.42E-08	3.88E-08	0.00E+00	0.00E+00	1.61E-08	3.63E-09	2.30E-08	3.55E-09	3.00E-09	4.93E-08

632	490136.72	3859985.12	1.43E-04	1.75E-04	1.54E-04	4.96E-08	1.50E-07	8.67E-08	1.06E-07	9.63E-08	4.39E-08	3.85E-08	0.00E+00	0.00E+00	1.59E-08	3.60E-09	2.29E-08	3.53E-09	2.98E-09	4.89E-08
633	490186.72	3859985.12	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.57E-08	4.36E-08	3.83E-08	0.00E+00	0.00E+00	1.58E-08	3.58E-09	2.27E-08	3.50E-09	2.96E-09	4.86E-08
634	490236.72	3859985.12	1.42E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.56E-08	1.05E-07	9.51E-08	4.34E-08	3.80E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.48E-09	2.95E-09	4.83E-08
635	490286.72	3859985.12	1.41E-04	1.72E-04	1.51E-04	4.86E-08	1.47E-07	8.50E-08	1.04E-07	9.44E-08	4.31E-08	3.78E-08	0.00E+00	0.00E+00	1.56E-08	3.53E-09	2.24E-08	3.46E-09	2.93E-09	4.80E-08
636	490336.72	3859985.12	1.40E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.44E-08	1.03E-07	9.37E-08	4.28E-08	3.75E-08	0.00E+00	0.00E+00	1.55E-08	3.51E-09	2.23E-08	3.43E-09	2.90E-09	4.77E-08
637	490386.72	3859985.12	1.38E-04	1.70E-04	1.49E-04	4.79E-08	1.45E-07	8.38E-08	1.03E-07	9.30E-08	4.24E-08	3.72E-08	0.00E+00	0.00E+00	1.54E-08	3.48E-09	2.21E-08	3.41E-09	2.88E-09	4.73E-08
638	490436.72	3859985.12	1.38E-04	1.69E-04	1.48E-04	4.76E-08	1.44E-07	8.33E-08	1.02E-07	9.25E-08	4.22E-08	3.70E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.20E-08	3.39E-09	2.86E-09	4.70E-08
639	490486.72	3859985.12	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.20E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
640	490536.72	3859985.12	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.18E-08	4.19E-08	3.67E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.18E-08	3.36E-09	2.84E-09	4.67E-08
641	490586.72	3859985.12	1.36E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.26E-08	1.01E-07	9.17E-08	4.18E-08	3.67E-08	0.00E+00	0.00E+00	1.52E-08	3.43E-09	2.18E-08	3.36E-09	2.84E-09	4.66E-08
642	490636.72	3859985.12	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.26E-08	1.01E-07	9.17E-08	4.19E-08	3.67E-08	0.00E+00	0.00E+00	1.52E-08	3.43E-09	2.18E-08	3.36E-09	2.84E-09	4.66E-08
643	490686.72	3859985.12	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.01E-07	9.20E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
644	490736.72	3859985.12	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.28E-08	1.01E-07	9.19E-08	4.19E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.18E-08	3.37E-09	2.85E-09	4.67E-08
645	490786.72	3859985.12	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.18E-08	4.19E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.18E-08	3.37E-09	2.85E-09	4.67E-08
646	490086.72	3860035.12	1.41E-04	1.72E-04	1.51E-04	4.86E-08	1.47E-07	8.50E-08	1.04E-07	9.44E-08	4.31E-08	3.78E-08	0.00E+00	0.00E+00	1.56E-08	3.53E-09	2.24E-08	3.46E-09	2.92E-09	4.80E-08
647	490136.72	3860035.12	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.45E-08	1.04E-07	9.39E-08	4.28E-08	3.76E-08	0.00E+00	0.00E+00	1.56E-08	3.51E-09	2.23E-08	3.44E-09	2.91E-09	4.77E-08
648	490186.72	3860035.12	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.40E-08	1.03E-07	9.33E-08	4.26E-08	3.73E-08	0.00E+00	0.00E+00	1.55E-08	3.49E-09	2.22E-08	3.42E-09	2.89E-09	4.74E-08
649	490236.72	3860035.12	1.38E-04	1.69E-04	1.48E-04	4.78E-08	1.44E-07	8.35E-08	1.02E-07	9.27E-08	4.23E-08	3.71E-08	0.00E+00	0.00E+00	1.54E-08	3.47E-09	2.20E-08	3.40E-09	2.87E-09	4.71E-08
650	490286.72	3860035.12	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.20E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.45E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
651	490336.72	3860035.12	1.36E-04	1.67E-04	1.46E-04	4.71E-08	1.42E-07	8.24E-08	1.01E-07	9.15E-08	4.17E-08	3.66E-08	0.00E+00	0.00E+00	1.52E-08	3.42E-09	2.17E-08	3.35E-09	2.83E-09	4.65E-08
652	490386.72	3860035.12	1.35E-04	1.65E-04	1.45E-04	4.67E-08	1.41E-07	8.17E-08	1.00E-07	9.07E-08	4.14E-08	3.63E-08	0.00E+00	0.00E+00	1.50E-08	3.40E-09	2.16E-08	3.32E-09	2.81E-09	4.61E-08
653	490436.72	3860035.12	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.11E-08	9.94E-08	9.01E-08	4.11E-08	3.60E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.30E-09	2.79E-09	4.58E-08
654	490486.72	3860035.12	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.07E-08	9.88E-08	8.96E-08	4.09E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.13E-08	3.28E-09	2.77E-09	4.55E-08
655	490536.72	3860035.12	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.03E-08	9.84E-08	8.92E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.53E-08
656	490586.72	3860035.12	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.00E-08	9.80E-08	8.89E-08	4.05E-08	3.56E-08	0.00E+00	0.00E+00	1.47E-08	3.33E-09	2.11E-08	3.26E-09	2.75E-09	4.52E-08
657	490636.72	3860035.12	1.32E-04	1.61E-04	1.42E-04	4.56E-08	1.38E-07	7.97E-08	9.76E-08	8.85E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.31E-09	2.10E-08	3.24E-09	2.74E-09	4.50E-08
658	490686.72	3860035.12	1.32E-04	1.61E-04	1.41E-04	4.56E-08	1.38E-07	7.97E-08	9.76E-08	8.85E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.31E-09	2.10E-08	3.24E-09	2.74E-09	4.50E-08
659	490736.72	3860035.12	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.79E-08	8.88E-08	4.05E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.75E-09	4.51E-08
660	490786.72	3860035.12	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.98E-08	9.78E-08	8.86E-08	4.04E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.75E-09	4.51E-08
661	490836.72	3860035.12	1.32E-04	1.61E-04	1.42E-04	4.56E-08	1.38E-07	7.97E-08	9.76E-08	8.85E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.31E-09	2.10E-08	3.24E-09	2.74E-09	4.50E-08
662	490086.72	3860085.12	1.37E-04	1.68E-04	1.48E-04	4.75E-08	1.44E-07	8.31E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.38E-09	2.86E-09	4.69E-08
663	490136.72	3860085.12	1.36E-04	1.67E-04	1.46E-04	4.71E-08	1.42E-07	8.24E-08	1.01E-07	9.15E-08	4.17E-08	3.66E-08	0.00E+00	0.00E+00	1.52E-08	3.43E-09	2.17E-08	3.35E-09	2.83E-09	4.65E-08
664	490186.72	3860085.12	1.36E-04	1.66E-04	1.46E-04	4.69E-08	1.42E-07	8.21E-08	1.01E-07	9.11E-08	4.16E-08	3.65E-08	0.00E+00	0.00E+00	1.51E-08	3.41E-09	2.16E-08	3.34E-09	2.82E-09	4.63E-08
665	490236.72	3860085.12	1.35E-04	1.65E-04	1.45E-04	4.66E-08	1.41E-07	8.15E-08	9.99E-08	9.05E-08	4.13E-08	3.62E-08	0.00E+00	0.00E+00	1.50E-08	3.39E-09	2.15E-08	3.32E-09	2.80E-09	4.60E-08
666	490286.72	3860085.12	1.34E-04	1.64E-04	1.44E-04	4.63E-08	1.40E-07	8.10E-08	9.92E-08	8.99E-08	4.10E-08	3.60E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.29E-09	2.79E-09	4.57E-08
667	490336.72	3860085.12	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.04E-08	9.84E-08	8.92E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.54E-08
668	490386.72	3860085.12	1.32E-04	1.61E-04	1.42E-04	4.56E-08	1.38E-07	7.98E-08	9.77E-08	8.86E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.10E-08	3.25E-09	2.74E-09	4.50E-08
669	490436.72	3860085.12	1.31E-04	1.60E-04	1.41E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.79E-08	4.01E-08	3.52E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
670	490486.72	3860085.12	1.30E-04	1.59E-04	1.40E-04	4.50E-08	1.36E-07	7.86E-08	9.63E-08	8.73E-08	3.98E-08	3.49E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.07E-08	3.20E-09	2.70E-09	4.44E-08
671	490536.72	3860085.12	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
672	490586.72	3860085.12	1.29E-04	1.58E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.53E-08	8.64E-08	3.94E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.05E-08	3.17E-09	2.68E-09	4.39E-08
673	490636.72	3860085.12	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.75E-08	9.49E-08	8.60E-08	3.92E-08	3.44E-08	0.00E+00	0.00E+00	1.43E-08	3.22E-09	2.04E-08	3.15E-09	2.66E-09	4.37E-08
674	490686.72	3860085.12	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.73E-08	9.46E-08	8.58E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.66E-09	4.36E-08
675	490736.72	3860085.12	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.46E-08	8.57E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.66E-09	4.36E-08
676	490786.72	3860085.12	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.45E-08	8.57E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.65E-09	4.36E-08
677	490836.72	3860085.12	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.70E-08	9.43E-08	8.55E-08	3.90E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.20E-09	2.03E-08	3.13E-09	2.65E-09	4.35E-08
678	490086.72	3860135.12	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.77E-09	4.54E-08
679	490136.72	3860135.12	1.33E-04	1.62E-04	1.42E-04	4.59E-08	1.39E-07	8.02E-08	9.83E-08	8.91E-08	4.06E-08	3.56E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.26E-09	2.76E-09	4.53E-08
680	490186.72	3860135.12	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	8.00E-08	9.79E-08	8.88E-08	4.05E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.75E-09	4.51E-08
681	490236.72	3860135.12	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.74E-08	8.83E-08	4.03E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.31E-09	2.10E-08	3.23E-09	2.74E-09	4.49E-08
682	490286.72	3860135.12	1.31E-04	1.60E-04	1.40E-04	4.52E-08	1.37E-07	7.91E-08	9.68E-08	8.78E-08	4.01E-08	3.51E-08	0.00E+00	0.00E+00	1.45E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.46E-08
683	490336.72	3860135.12	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	0.00E+00	0.00E+00	1.44E-08	3.27E-09	2.07E-08	3.20E-09	2.70E-09	4.43E-08
684	490386.72	3860135.12	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
685	490436.72	3860135.12	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.73E-08	9.47E-08	8.59E-08	3.92E-08	3.44E-08	0.00E+00	0.00E+00	1.42E-08	3.22E-09	2.04E-08	3.15E-09	2.66E-09	4.37E-08
686	490486.72	3860135.12	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.53E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.03E-08	3.12E-09	2.64E-09	4.33E-08
687	490536.72	3860135.12	1.26E-04	1.55E-04	1.36E-04	4.37E-08	1.32E-07	7.63E-08	9.35E-08	8.48E-08	3.87E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.11E-09	2.63E-09	4.31E-08
688	490586.72	3860135.12	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.00E-08	3.09E-09	2.61E-09	4.28E-08
689	490636.72	3860135.12	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.24E-08	8.38E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.07E-09	2.60E-09	4.26E-08

690	490686.72	3860135.12	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.80E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.24E-08
691	490736.72	3860135.12	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
692	490786.72	3860135.12	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.47E-08	9.16E-08	8.30E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
693	490836.72	3860135.12	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.27E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.03E-09	2.56E-09	4.21E-08
694	490086.72	3860185.12	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.81E-08	9.57E-08	8.67E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
695	490136.72	3860185.12	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.81E-08	9.56E-08	8.67E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
696	490186.72	3860185.12	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.54E-08	8.65E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
697	490236.72	3860185.12	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.76E-08	9.50E-08	8.61E-08	3.93E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.22E-09	2.05E-08	3.15E-09	2.67E-09	4.38E-08
698	490286.72	3860185.12	1.28E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.72E-08	9.45E-08	8.57E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.65E-09	4.35E-08
699	490336.72	3860185.12	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.32E-07	7.67E-08	9.39E-08	8.51E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
700	490386.72	3860185.12	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.33E-08	8.46E-08	3.86E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
701	490436.72	3860185.12	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.40E-08	3.83E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.60E-09	4.27E-08
702	490486.72	3860185.12	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.80E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.24E-08
703	490536.72	3860185.12	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.57E-09	4.21E-08
704	490586.72	3860185.12	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.30E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
705	490636.72	3860185.12	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.36E-08	3.06E-09	1.94E-08	3.00E-09	2.53E-09	4.16E-08
706	490686.72	3860185.12	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
707	490736.72	3860185.12	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.92E-08	8.09E-08	3.69E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.96E-09	2.51E-09	4.11E-08
708	490786.72	3860185.12	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.91E-08	2.95E-09	2.50E-09	4.10E-08
709	490836.72	3860185.12	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.86E-08	8.03E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
710	490086.72	3860235.12	1.26E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.00E-08	3.09E-09	2.61E-09	4.29E-08
711	490136.72	3860235.12	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.00E-08	3.09E-09	2.61E-09	4.29E-08
712	490186.72	3860235.12	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.15E-09	2.00E-08	3.08E-09	2.61E-09	4.28E-08
713	490236.72	3860235.12	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.56E-08	9.26E-08	8.40E-08	3.83E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.08E-09	2.60E-09	4.27E-08
714	490286.72	3860235.12	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.81E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.13E-09	1.99E-08	3.06E-09	2.59E-09	4.25E-08
715	490336.72	3860235.12	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.29E-07	7.49E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
716	490386.72	3860235.12	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.12E-08	8.27E-08	3.77E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.03E-09	2.56E-09	4.20E-08
717	490436.72	3860235.12	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.40E-08	9.07E-08	8.22E-08	3.75E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.95E-08	3.01E-09	2.55E-09	4.18E-08
718	490486.72	3860235.12	1.22E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.35E-08	9.00E-08	8.16E-08	3.72E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
719	490536.72	3860235.12	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.30E-08	8.94E-08	8.11E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
720	490586.72	3860235.12	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.02E-09	1.91E-08	2.95E-09	2.50E-09	4.10E-08
721	490636.72	3860235.12	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
722	490686.72	3860235.12	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
723	490736.72	3860235.12	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.91E-08	3.61E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
724	490786.72	3860235.12	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
725	490086.72	3860285.12	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.38E-08	9.04E-08	8.19E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.16E-08
726	490136.72	3860285.12	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.28E-07	7.38E-08	9.04E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.17E-08
727	490186.72	3860285.12	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.38E-08	9.04E-08	8.19E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.16E-08
728	490236.72	3860285.12	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.18E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.36E-08	3.06E-09	1.94E-08	3.00E-09	2.54E-09	4.16E-08
729	490286.72	3860285.12	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	9.00E-08	8.15E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
730	490336.72	3860285.12	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.31E-08	8.96E-08	8.12E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.04E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
731	490386.72	3860285.12	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.28E-08	8.92E-08	8.09E-08	3.69E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.96E-09	2.51E-09	4.11E-08
732	490436.72	3860285.12	1.20E-04	1.47E-04	1.29E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
733	490486.72	3860285.12	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	7.99E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.48E-09	4.06E-08
734	490536.72	3860285.12	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.03E-08
735	490586.72	3860285.12	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.88E-08	3.60E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.01E-08
736	490636.72	3860285.12	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.05E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.43E-09	3.98E-08
737	490686.72	3860285.12	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
738	490736.72	3860285.12	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.53E-08	7.74E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.83E-09	2.40E-09	3.93E-08
739	490786.72	3860285.12	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
740	490086.72	3860335.12	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
741	490136.72	3860335.12	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
742	490186.72	3860335.12	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
743	490236.72	3860335.12	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
744	490286.72	3860335.12	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
745	490336.72	3860335.12	1.18E-04	1.45E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.46E-09	4.03E-08
746	490386.72	3860335.12	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.90E-08	3.60E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.89E-09	2.45E-09	4.02E-08
747	490436.72	3860335.12	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08

748	490486.72	3860335.12	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.42E-09	3.98E-08
749	490536.72	3860335.12	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
750	490586.72	3860335.12	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.52E-08	7.72E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.84E-08	2.83E-09	2.39E-09	3.93E-08
751	490636.72	3860335.12	1.14E-04	1.40E-04	1.23E-04	3.95E-08	1.19E-07	6.91E-08	8.47E-08	7.67E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.38E-09	3.90E-08
752	490686.72	3860335.12	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.41E-08	7.63E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.86E-09	1.81E-08	2.79E-09	2.36E-09	3.88E-08
753	490736.72	3860335.12	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.83E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.85E-08
754	490786.72	3860335.12	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.34E-09	3.83E-08
755	490086.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.83E-09	2.40E-09	3.93E-08
756	490136.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
757	490186.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
758	490236.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
759	490286.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.53E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
760	490336.72	3860385.12	1.15E-04	1.41E-04	1.24E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.83E-09	2.40E-09	3.93E-08
761	490386.72	3860385.12	1.15E-04	1.41E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.51E-08	7.71E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.83E-09	2.39E-09	3.92E-08
762	490436.72	3860385.12	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.92E-08	8.47E-08	7.68E-08	3.51E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.81E-09	2.38E-09	3.91E-08
763	490486.72	3860385.12	1.14E-04	1.40E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.65E-08	3.49E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.80E-09	2.37E-09	3.89E-08
764	490536.72	3860385.12	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.86E-08	8.40E-08	7.62E-08	3.47E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
765	490586.72	3860385.12	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.84E-09	1.80E-08	2.77E-09	2.35E-09	3.85E-08
766	490636.72	3860385.12	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
767	490686.72	3860385.12	1.11E-04	1.36E-04	1.20E-04	3.85E-08	1.16E-07	6.74E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.32E-09	3.80E-08
768	490736.72	3860385.12	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.43E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.78E-08
769	490786.72	3860385.12	1.10E-04	1.35E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.29E-09	3.75E-08
770	490136.72	3860435.12	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
771	490186.72	3860435.12	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.34E-09	3.83E-08
772	490236.72	3860435.12	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.17E-07	6.80E-08	8.33E-08	7.55E-08	3.44E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.79E-08	2.77E-09	2.34E-09	3.84E-08
773	490286.72	3860435.12	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.17E-07	6.80E-08	8.32E-08	7.55E-08	3.44E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.79E-08	2.76E-09	2.34E-09	3.84E-08
774	490336.72	3860435.12	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
775	490386.72	3860435.12	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.77E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
776	490436.72	3860435.12	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.50E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
777	490486.72	3860435.12	1.11E-04	1.36E-04	1.20E-04	3.85E-08	1.16E-07	6.74E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.32E-09	3.80E-08
778	490536.72	3860435.12	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.31E-09	3.79E-08
779	490586.72	3860435.12	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.41E-08	3.38E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
780	490636.72	3860435.12	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.75E-08
781	490686.72	3860435.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.60E-08	8.08E-08	7.33E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
782	490736.72	3860435.12	1.08E-04	1.33E-04	1.16E-04	3.76E-08	1.13E-07	6.56E-08	8.04E-08	7.29E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.70E-08
783	490786.72	3860435.12	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.30E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
784	490136.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.60E-08	8.09E-08	7.33E-08	3.35E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
785	490186.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
786	490236.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.28E-09	3.73E-08
787	490286.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.28E-09	3.74E-08
788	490336.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.28E-09	3.73E-08
789	490386.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
790	490436.72	3860485.12	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.09E-08	7.33E-08	3.35E-08	2.93E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
791	490486.72	3860485.12	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.07E-08	7.31E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
792	490536.72	3860485.12	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.56E-08	8.04E-08	7.29E-08	3.32E-08	2.91E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.70E-08
793	490586.72	3860485.12	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.72E-08	2.66E-09	2.25E-09	3.69E-08
794	490636.72	3860485.12	1.08E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.22E-08	3.30E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.70E-09	1.72E-08	2.65E-09	2.24E-09	3.67E-08
795	490686.72	3860485.12	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.22E-09	3.65E-08
796	490736.72	3860485.12	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.43E-08	7.88E-08	7.14E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.70E-08	2.62E-09	2.21E-09	3.63E-08
797	490786.72	3860485.12	1.06E-04	1.29E-04	1.14E-04	3.66E-08	1.10E-07	6.40E-08	7.83E-08	7.10E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.60E-09	2.20E-09	3.61E-08
798	490136.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.43E-08	7.87E-08	7.14E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.70E-08	2.62E-09	2.21E-09	3.63E-08
799	490186.72	3860535.12	1.07E-04	1.31E-04	1.15E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
800	490236.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
801	490286.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
802	490336.72	3860535.12	1.07E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
803	490386.72	3860535.12	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
804	490436.72	3860535.12	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
805	490486.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08

806	490536.72	3860535.12	1.07E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
807	490586.72	3860535.12	1.06E-04	1.30E-04	1.14E-04	3.66E-08	1.11E-07	6.40E-08	7.84E-08	7.10E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.60E-09	2.20E-09	3.61E-08
808	490636.72	3860535.12	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.37E-08	7.80E-08	7.07E-08	3.23E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.59E-09	2.19E-09	3.60E-08
809	490686.72	3860535.12	1.05E-04	1.28E-04	1.13E-04	3.63E-08	1.10E-07	6.34E-08	7.77E-08	7.04E-08	3.21E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
810	490736.72	3860535.12	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.00E-08	3.20E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.57E-09	2.17E-09	3.56E-08
811	490786.72	3860535.12	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.66E-08	2.55E-09	2.16E-09	3.54E-08
812	490136.72	3860585.12	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.97E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.66E-08	2.55E-09	2.16E-09	3.54E-08
813	490186.72	3860585.12	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.25E-08	7.65E-08	6.93E-08	3.16E-08	2.77E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.54E-09	2.15E-09	3.53E-08
814	490236.72	3860585.12	1.04E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.26E-08	7.67E-08	6.95E-08	3.17E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.55E-09	2.15E-09	3.54E-08
815	490286.72	3860585.12	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.66E-08	2.55E-09	2.16E-09	3.54E-08
816	490336.72	3860585.12	1.04E-04	1.27E-04	1.12E-04	3.59E-08	1.09E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.16E-08	2.61E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
817	490386.72	3860585.12	1.04E-04	1.27E-04	1.12E-04	3.59E-08	1.09E-07	6.28E-08	7.69E-08	6.98E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.16E-08	2.61E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
818	490436.72	3860585.12	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.30E-08	7.72E-08	7.00E-08	3.19E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.56E-09	2.17E-09	3.56E-08
819	490486.72	3860585.12	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.32E-08	7.74E-08	7.01E-08	3.20E-08	2.81E-08	0.00E+00	0.00E+00	1.16E-08	2.63E-09	1.67E-08	2.57E-09	2.17E-09	3.57E-08
820	490536.72	3860585.12	1.04E-04	1.28E-04	1.12E-04	3.60E-08	1.09E-07	6.30E-08	7.72E-08	6.99E-08	3.19E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.56E-09	2.17E-09	3.56E-08
821	490586.72	3860585.12	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.25E-08	7.66E-08	6.94E-08	3.17E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.54E-09	2.15E-09	3.53E-08
822	490636.72	3860585.12	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.24E-08	7.64E-08	6.92E-08	3.16E-08	2.77E-08	0.00E+00	0.00E+00	1.15E-08	2.59E-09	1.64E-08	2.54E-09	2.14E-09	3.52E-08
823	490686.72	3860585.12	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.53E-09	2.14E-09	3.51E-08
824	490736.72	3860585.12	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.19E-08	7.58E-08	6.87E-08	3.13E-08	2.75E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.52E-09	2.13E-09	3.49E-08
825	490786.72	3860585.12	1.02E-04	1.25E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.54E-08	6.83E-08	3.12E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.62E-08	2.50E-09	2.12E-09	3.47E-08
826	490136.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.82E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.46E-08
827	490186.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.50E-08	1.06E-07	6.12E-08	7.50E-08	6.80E-08	3.10E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.49E-09	2.11E-09	3.46E-08
828	490236.72	3860635.12	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.05E-07	6.11E-08	7.48E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.48E-09	2.10E-09	3.45E-08
829	490286.72	3860635.12	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.48E-08	6.78E-08	3.10E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.49E-09	2.10E-09	3.45E-08
830	490336.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.50E-08	1.06E-07	6.12E-08	7.50E-08	6.79E-08	3.10E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.54E-09	1.61E-08	2.49E-09	2.11E-09	3.45E-08
831	490386.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.50E-08	6.80E-08	3.10E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.49E-09	2.11E-09	3.46E-08
832	490436.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.51E-08	6.80E-08	3.10E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.49E-09	2.11E-09	3.46E-08
833	490486.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.51E-08	6.81E-08	3.11E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.49E-09	2.11E-09	3.46E-08
834	490536.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.81E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.46E-08
835	490586.72	3860635.12	1.01E-04	1.24E-04	1.09E-04	3.50E-08	1.06E-07	6.12E-08	7.49E-08	6.79E-08	3.10E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.54E-09	1.61E-08	2.49E-09	2.10E-09	3.45E-08
836	490636.72	3860635.12	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.05E-07	6.11E-08	7.48E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.48E-09	2.10E-09	3.45E-08
837	490686.72	3860635.12	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.08E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.09E-09	3.44E-08
838	490736.72	3860635.12	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.06E-08	7.42E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.52E-09	1.60E-08	2.46E-09	2.08E-09	3.42E-08
839	490786.72	3860635.12	9.97E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.39E-08	6.70E-08	3.06E-08	2.68E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.45E-09	2.08E-09	3.41E-08
840	490136.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.03E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.58E-08	2.43E-09	2.05E-09	3.37E-08
841	490186.72	3860685.12	9.93E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.01E-08	7.36E-08	6.67E-08	3.04E-08	2.67E-08	0.00E+00	0.00E+00	1.11E-08	2.50E-09	1.59E-08	2.44E-09	2.07E-09	3.39E-08
842	490236.72	3860685.12	9.89E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.33E-08	6.64E-08	3.03E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.43E-09	2.06E-09	3.38E-08
843	490286.72	3860685.12	9.83E-05	1.20E-04	1.06E-04	3.40E-08	1.03E-07	5.95E-08	7.29E-08	6.60E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.05E-09	3.36E-08
844	490336.72	3860685.12	9.86E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.97E-08	7.31E-08	6.62E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.43E-09	2.05E-09	3.37E-08
845	490386.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.32E-08	6.63E-08	3.03E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.58E-08	2.43E-09	2.05E-09	3.37E-08
846	490436.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.32E-08	6.63E-08	3.03E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.58E-08	2.43E-09	2.05E-09	3.37E-08
847	490486.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.43E-09	2.05E-09	3.37E-08
848	490536.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.32E-08	6.63E-08	3.03E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.58E-08	2.43E-09	2.05E-09	3.37E-08
849	490586.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.03E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.58E-08	2.43E-09	2.05E-09	3.37E-08
850	490636.72	3860685.12	9.87E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.43E-09	2.05E-09	3.37E-08
851	490686.72	3860685.12	9.85E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.62E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.43E-09	2.05E-09	3.37E-08
852	490736.72	3860685.12	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.94E-08	7.28E-08	6.60E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.04E-09	3.35E-08
853	490786.72	3860685.12	9.80E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.93E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.56E-08	2.41E-09	2.04E-09	3.35E-08
854	490136.72	3860735.12	9.56E-05	1.17E-04	1.03E-04	3.31E-08	9.99E-08	5.79E-08	7.09E-08	6.42E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.41E-09	1.53E-08	2.35E-09	1.99E-09	3.27E-08
855	490186.72	3860735.12	9.56E-05	1.17E-04	1.03E-04	3.31E-08	9.99E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.53E-08	2.35E-09	1.99E-09	3.26E-08
856	490236.72	3860735.12	9.57E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.07E-08	2.41E-09	1.53E-08	2.36E-09	1.99E-09	3.27E-08
857	490286.72	3860735.12	9.59E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.80E-08	7.10E-08	6.44E-08	2.94E-08	2.58E-08	0.00E+00	0.00E+00	1.07E-08	2.41E-09	1.53E-08	2.36E-09	2.00E-09	3.27E-08
858	490336.72	3860735.12	9.60E-05	1.18E-04	1.03E-04	3.32E-08	1.00E-07	5.81E-08	7.11E-08	6.45E-08	2.94E-08	2.58E-08	0.00E+00	0.00E+00	1.07E-08	2.41E-09	1.53E-08	2.36E-09	2.00E-09	3.28E-08
859	490386.72	3860735.12	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.46E-08	2.95E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.29E-08
860	490436.72	3860735.12	9.66E-05	1.18E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.16E-08	6.49E-08	2.96E-08	2.60E-08	0.00E+00	0.00E+00	1.08E-08	2.43E-09	1.54E-08	2.38E-09	2.01E-09	3.30E-08
861	490486.72	3860735.12	9.65E-05	1.18E-04	1.04E-04	3.34E-08	1.01E-07	5.84E-08	7.15E-08	6.48E-08	2.96E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.43E-09	1.54E-08	2.38E-09	2.01E-09	3.30E-08
862	490536.72	3860735.12	9.63E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.47E-08	2.95E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.29E-08
863	490586.72	3860735.12	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.46E-08	2.95E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.29E-08

864	490636.72	3860735.12	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.46E-08	2.95E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.29E-08
865	490686.72	3860735.12	9.63E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.47E-08	2.95E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.29E-08
866	490736.72	3860735.12	9.63E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.47E-08	2.95E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.29E-08
867	490136.72	3860785.12	9.29E-05	1.14E-04	9.98E-05	3.22E-08	9.71E-08	5.62E-08	6.88E-08	6.24E-08	2.85E-08	2.50E-08	0.00E+00	0.00E+00	1.03E-08	2.34E-09	1.48E-08	2.29E-09	1.93E-09	3.17E-08
868	490186.72	3860785.12	9.30E-05	1.14E-04	9.99E-05	3.22E-08	9.72E-08	5.63E-08	6.89E-08	6.25E-08	2.85E-08	2.50E-08	0.00E+00	0.00E+00	1.04E-08	2.34E-09	1.49E-08	2.29E-09	1.94E-09	3.18E-08
869	490236.72	3860785.12	9.32E-05	1.14E-04	1.00E-04	3.22E-08	9.74E-08	5.64E-08	6.90E-08	6.26E-08	2.86E-08	2.50E-08	0.00E+00	0.00E+00	1.04E-08	2.34E-09	1.49E-08	2.29E-09	1.94E-09	3.18E-08
870	490286.72	3860785.12	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.75E-08	5.65E-08	6.91E-08	6.27E-08	2.86E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.94E-09	3.19E-08
871	490336.72	3860785.12	9.34E-05	1.14E-04	1.00E-04	3.23E-08	9.76E-08	5.65E-08	6.92E-08	6.28E-08	2.86E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.94E-09	3.19E-08
872	490386.72	3860785.12	9.38E-05	1.15E-04	1.01E-04	3.25E-08	9.80E-08	5.67E-08	6.95E-08	6.30E-08	2.87E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.50E-08	2.31E-09	1.95E-09	3.20E-08
873	490436.72	3860785.12	9.39E-05	1.15E-04	1.01E-04	3.25E-08	9.81E-08	5.68E-08	6.96E-08	6.31E-08	2.88E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.50E-08	2.31E-09	1.95E-09	3.21E-08
874	490486.72	3860785.12	9.42E-05	1.15E-04	1.01E-04	3.26E-08	9.84E-08	5.70E-08	6.98E-08	6.33E-08	2.89E-08	2.53E-08	0.00E+00	0.00E+00	1.05E-08	2.37E-09	1.50E-08	2.32E-09	1.96E-09	3.22E-08
875	490536.72	3860785.12	9.41E-05	1.15E-04	1.01E-04	3.26E-08	9.83E-08	5.69E-08	6.97E-08	6.32E-08	2.88E-08	2.53E-08	0.00E+00	0.00E+00	1.05E-08	2.37E-09	1.50E-08	2.32E-09	1.96E-09	3.21E-08
876	490586.72	3860785.12	9.38E-05	1.15E-04	1.01E-04	3.25E-08	9.81E-08	5.68E-08	6.95E-08	6.30E-08	2.88E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.50E-08	2.31E-09	1.95E-09	3.20E-08
877	490636.72	3860785.12	9.38E-05	1.15E-04	1.01E-04	3.25E-08	9.81E-08	5.68E-08	6.95E-08	6.30E-08	2.88E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.50E-08	2.31E-09	1.95E-09	3.20E-08
878	490686.72	3860785.12	9.39E-05	1.15E-04	1.01E-04	3.25E-08	9.81E-08	5.68E-08	6.96E-08	6.31E-08	2.88E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.50E-08	2.31E-09	1.95E-09	3.21E-08
879	490736.72	3860785.12	9.40E-05	1.15E-04	1.01E-04	3.25E-08	9.82E-08	5.69E-08	6.96E-08	6.31E-08	2.88E-08	2.53E-08	0.00E+00	0.00E+00	1.05E-08	2.36E-09	1.50E-08	2.31E-09	1.96E-09	3.21E-08
880	490086.72	3860835.12	9.04E-05	1.11E-04	9.71E-05	3.13E-08	9.45E-08	5.47E-08	6.70E-08	6.07E-08	2.77E-08	2.43E-08	0.00E+00	0.00E+00	1.01E-08	2.27E-09	1.44E-08	2.23E-09	1.88E-09	3.09E-08
881	490136.72	3860835.12	9.07E-05	1.11E-04	9.74E-05	3.14E-08	9.48E-08	5.49E-08	6.72E-08	6.09E-08	2.78E-08	2.44E-08	0.00E+00	0.00E+00	1.01E-08	2.28E-09	1.45E-08	2.23E-09	1.89E-09	3.10E-08
882	490186.72	3860835.12	9.07E-05	1.11E-04	9.74E-05	3.14E-08	9.48E-08	5.49E-08	6.72E-08	6.09E-08	2.78E-08	2.44E-08	0.00E+00	0.00E+00	1.01E-08	2.28E-09	1.45E-08	2.23E-09	1.89E-09	3.10E-08
883	490236.72	3860835.12	9.08E-05	1.11E-04	9.75E-05	3.14E-08	9.49E-08	5.49E-08	6.73E-08	6.10E-08	2.78E-08	2.44E-08	0.00E+00	0.00E+00	1.01E-08	2.28E-09	1.45E-08	2.23E-09	1.89E-09	3.10E-08
884	490286.72	3860835.12	9.09E-05	1.11E-04	9.77E-05	3.15E-08	9.51E-08	5.50E-08	6.74E-08	6.11E-08	2.79E-08	2.44E-08	0.00E+00	0.00E+00	1.01E-08	2.29E-09	1.45E-08	2.24E-09	1.89E-09	3.11E-08
885	490336.72	3860835.12	9.10E-05	1.11E-04	9.78E-05	3.15E-08	9.51E-08	5.51E-08	6.75E-08	6.12E-08	2.79E-08	2.45E-08	0.00E+00	0.00E+00	1.01E-08	2.29E-09	1.45E-08	2.24E-09	1.89E-09	3.11E-08
886	490386.72	3860835.12	9.12E-05	1.12E-04	9.79E-05	3.16E-08	9.53E-08	5.52E-08	6.76E-08	6.12E-08	2.79E-08	2.45E-08	0.00E+00	0.00E+00	1.01E-08	2.29E-09	1.46E-08	2.24E-09	1.90E-09	3.11E-08
887	490436.72	3860835.12	9.14E-05	1.12E-04	9.82E-05	3.16E-08	9.55E-08	5.53E-08	6.77E-08	6.14E-08	2.80E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.90E-09	3.12E-08
888	490486.72	3860835.12	9.16E-05	1.12E-04	9.84E-05	3.17E-08	9.58E-08	5.54E-08	6.79E-08	6.15E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.26E-09	1.91E-09	3.13E-08
889	490536.72	3860835.12	9.17E-05	1.12E-04	9.85E-05	3.17E-08	9.58E-08	5.55E-08	6.80E-08	6.16E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.46E-08	2.26E-09	1.91E-09	3.13E-08
890	490586.72	3860835.12	9.17E-05	1.12E-04	9.84E-05	3.17E-08	9.58E-08	5.55E-08	6.79E-08	6.16E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.46E-08	2.26E-09	1.91E-09	3.13E-08
891	490636.72	3860835.12	9.16E-05	1.12E-04	9.84E-05	3.17E-08	9.58E-08	5.54E-08	6.79E-08	6.15E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.26E-09	1.91E-09	3.13E-08
892	490686.72	3860835.12	9.17E-05	1.12E-04	9.85E-05	3.17E-08	9.58E-08	5.55E-08	6.79E-08	6.16E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.46E-08	2.26E-09	1.91E-09	3.13E-08
893	490736.72	3860835.12	9.18E-05	1.12E-04	9.86E-05	3.18E-08	9.60E-08	5.56E-08	6.80E-08	6.17E-08	2.81E-08	2.47E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.47E-08	2.26E-09	1.91E-09	3.14E-08
894	490086.72	3860885.12	8.83E-05	1.08E-04	9.48E-05	3.06E-08	9.23E-08	5.34E-08	6.54E-08	5.93E-08	2.71E-08	2.37E-08	0.00E+00	0.00E+00	9.83E-09	2.22E-09	1.41E-08	2.17E-09	1.84E-09	3.02E-08
895	490136.72	3860885.12	8.84E-05	1.08E-04	9.50E-05	3.06E-08	9.24E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.38E-08	0.00E+00	0.00E+00	9.84E-09	2.22E-09	1.41E-08	2.18E-09	1.84E-09	3.02E-08
896	490186.72	3860885.12	8.85E-05	1.08E-04	9.51E-05	3.06E-08	9.25E-08	5.36E-08	6.56E-08	5.95E-08	2.71E-08	2.38E-08	0.00E+00	0.00E+00	9.85E-09	2.23E-09	1.41E-08	2.18E-09	1.84E-09	3.02E-08
897	490236.72	3860885.12	8.86E-05	1.09E-04	9.52E-05	3.07E-08	9.26E-08	5.36E-08	6.57E-08	5.95E-08	2.72E-08	2.38E-08	0.00E+00	0.00E+00	9.86E-09	2.23E-09	1.41E-08	2.18E-09	1.84E-09	3.03E-08
898	490286.72	3860885.12	8.87E-05	1.09E-04	9.53E-05	3.07E-08	9.27E-08	5.37E-08	6.57E-08	5.96E-08	2.72E-08	2.38E-08	0.00E+00	0.00E+00	9.87E-09	2.23E-09	1.42E-08	2.18E-09	1.85E-09	3.03E-08
899	490336.72	3860885.12	8.88E-05	1.09E-04	9.53E-05	3.07E-08	9.28E-08	5.37E-08	6.58E-08	5.96E-08	2.72E-08	2.39E-08	0.00E+00	0.00E+00	9.88E-09	2.23E-09	1.42E-08	2.18E-09	1.85E-09	3.03E-08
900	490386.72	3860885.12	8.89E-05	1.09E-04	9.55E-05	3.08E-08	9.30E-08	5.38E-08	6.59E-08	5.98E-08	2.73E-08	2.39E-08	0.00E+00	0.00E+00	9.90E-09	2.24E-09	1.42E-08	2.19E-09	1.85E-09	3.04E-08
901	490436.72	3860885.12	8.92E-05	1.09E-04	9.58E-05	3.09E-08	9.32E-08	5.40E-08	6.61E-08	5.99E-08	2.73E-08	2.40E-08	0.00E+00	0.00E+00	9.93E-09	2.24E-09	1.42E-08	2.19E-09	1.86E-09	3.05E-08
902	490486.72	3860885.12	8.93E-05	1.09E-04	9.59E-05	3.09E-08	9.34E-08	5.41E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.94E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.05E-08
903	490536.72	3860885.12	8.94E-05	1.10E-04	9.60E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.96E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.05E-08
904	490586.72	3860885.12	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.96E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.06E-08
905	490636.72	3860885.12	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.96E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.06E-08
906	490686.72	3860885.12	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.35E-08	5.42E-08	6.63E-08	6.01E-08	2.74E-08	2.41E-08	0.00E+00	0.00E+00	9.96E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.06E-08
907	490736.72	3860885.12	8.95E-05	1.10E-04	9.62E-05	3.10E-08	9.36E-08	5.42E-08	6.64E-08	6.02E-08	2.74E-08	2.41E-08	0.00E+00	0.00E+00	9.97E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.06E-08
908	490086.72	3860935.12	8.61E-05	1.06E-04	9.25E-05	2.98E-08	9.00E-08	5.21E-08	6.38E-08	5.79E-08	2.64E-08	2.32E-08	0.00E+00	0.00E+00	9.59E-09	2.17E-09	1.37E-08	2.12E-09	1.79E-09	2.94E-08
909	490136.72	3860935.12	8.61E-05	1.06E-04	9.25E-05	2.98E-08	9.00E-08	5.21E-08	6.38E-08	5.79E-08	2.64E-08	2.32E-08	0.00E+00	0.00E+00	9.59E-09	2.17E-09	1.38E-08	2.12E-09	1.79E-09	2.94E-08
910	490186.72	3860935.12	8.63E-05	1.06E-04	9.27E-05	2.99E-08	9.02E-08	5.22E-08	6.40E-08	5.80E-08	2.65E-08	2.32E-08	0.00E+00	0.00E+00	9.61E-09	2.17E-09	1.38E-08	2.12E-09	1.80E-09	2.95E-08
911	490236.72	3860935.12	8.65E-05	1.06E-04	9.28E-05	2.99E-08	9.04E-08	5.23E-08	6.41E-08	5.81E-08	2.65E-08	2.32E-08	0.00E+00	0.00E+00	9.62E-09	2.17E-09	1.38E-08	2.13E-09	1.80E-09	2.95E-08
912	490286.72	3860935.12	8.66E-05	1.06E-04	9.30E-05	3.00E-08	9.05E-08	5.24E-08	6.42E-08	5.82E-08	2.65E-08	2.33E-08	0.00E+00	0.00E+00	9.64E-09	2.18E-09	1.38E-08	2.13E-09	1.80E-09	2.96E-08
913	490336.72	3860935.12	8.66E-05	1.06E-04	9.30E-05	3.00E-08	9.06E-08	5.24E-08	6.42E-08	5.82E-08	2.66E-08	2.33E-08	0.00E+00	0.00E+00	9.64E-09	2.18E-09	1.38E-08	2.13E-09	1.80E-09	2.96E-08
914	490386.72	3860935.12	8.68E-05	1.06E-04	9.33E-05	3.01E-08	9.08E-08	5.25E-08	6.44E-08	5.83E-08	2.66E-08	2.33E-08	0.00E+00	0.00E+00	9.67E-09	2.18E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
915	490436.72	3860935.12	8.70E-05	1.07E-04	9.35E-05	3.01E-08	9.10E-08	5.27E-08	6.45E-08	5.85E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.69E-09	2.19E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
916	490486.72	3860935.12	8.71E-05	1.07E-04	9.36E-05	3.02E-08	9.11E-08	5.27E-08	6.46E-08	5.85E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.70E-09	2.19E-09	1.39E-08	2.15E-09	1.81E-09	2.98E-08
917	490536.72	3860935.12	8.73E-05	1.07E-04	9.37E-05	3.02E-08	9.12E-08	5.28E-08	6.47E-08	5.86E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.72E-09	2.20E-09	1.39E-08	2.15E-09	1.82E-09	2.98E-08
918	490586.72	3860935.12	8.73E-05	1.07E-04	9.38E-05	3.02E-08	9.13E-08	5.28E-08	6.47E-08	5.87E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.72E-09	2.20E-09	1.39E-08	2.15E-09	1.82E-09	2.98E-08
919	490636.72	3860935.12	8.74E-05	1.07E-04	9.38E-05	3.02E-08	9.13E-08	5.29E-08	6.47E-08	5.87E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.72E-09	2.20E-09	1.39E-08	2.15E-09	1.82E-09	2.98E-08
920	490686.72	3860935.12	8.74E-05	1.07E-04	9.39E-05	3.03E-08	9.14E-08	5.29E-08	6.48E-08	5.87E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.73E-09	2.20E-09	1.40E-08	2.15E-09	1.82E-09	2.99E-08
921	490736.72	3860935.12	8.75E-05	1.07E-04	9.39E-05	3.03E-08	9.14E-08	5.29E-08	6.48E-08	5.88E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.74E-09	2.20E-09	1.40E-08	2.15E-09	1.82E-09	2.99E-08

922	490786.72	3860935.12	8.75E-05	1.07E-04	9.40E-05	3.03E-08	9.15E-08	5.29E-08	6.48E-08	5.88E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.74E-09	2.20E-09	1.40E-08	2.15E-09	1.82E-09	2.99E-08
923	490836.72	3860935.12	8.76E-05	1.07E-04	9.41E-05	3.03E-08	9.16E-08	5.30E-08	6.49E-08	5.89E-08	2.69E-08	2.36E-08	0.00E+00	0.00E+00	9.75E-09	2.20E-09	1.40E-08	2.16E-09	1.82E-09	2.99E-08
924	490086.72	3860985.12	8.42E-05	1.03E-04	9.04E-05	2.91E-08	8.80E-08	5.09E-08	6.24E-08	5.65E-08	2.58E-08	2.26E-08	0.00E+00	0.00E+00	9.37E-09	2.12E-09	1.34E-08	2.07E-09	1.75E-09	2.87E-08
925	490136.72	3860985.12	8.43E-05	1.03E-04	9.05E-05	2.92E-08	8.81E-08	5.10E-08	6.24E-08	5.66E-08	2.58E-08	2.26E-08	0.00E+00	0.00E+00	9.38E-09	2.12E-09	1.34E-08	2.07E-09	1.75E-09	2.88E-08
926	490186.72	3860985.12	8.44E-05	1.03E-04	9.07E-05	2.92E-08	8.83E-08	5.11E-08	6.26E-08	5.67E-08	2.59E-08	2.27E-08	0.00E+00	0.00E+00	9.40E-09	2.12E-09	1.35E-08	2.08E-09	1.76E-09	2.88E-08
927	490236.72	3860985.12	8.44E-05	1.03E-04	9.07E-05	2.92E-08	8.83E-08	5.11E-08	6.26E-08	5.67E-08	2.59E-08	2.27E-08	0.00E+00	0.00E+00	9.40E-09	2.12E-09	1.35E-08	2.08E-09	1.76E-09	2.88E-08
928	490286.72	3860985.12	8.45E-05	1.04E-04	9.08E-05	2.93E-08	8.83E-08	5.11E-08	6.26E-08	5.68E-08	2.59E-08	2.27E-08	0.00E+00	0.00E+00	9.41E-09	2.13E-09	1.35E-08	2.08E-09	1.76E-09	2.89E-08
929	490336.72	3860985.12	8.46E-05	1.04E-04	9.09E-05	2.93E-08	8.85E-08	5.12E-08	6.27E-08	5.69E-08	2.59E-08	2.27E-08	0.00E+00	0.00E+00	9.42E-09	2.13E-09	1.35E-08	2.08E-09	1.76E-09	2.89E-08
930	490386.72	3860985.12	8.48E-05	1.04E-04	9.10E-05	2.93E-08	8.86E-08	5.13E-08	6.28E-08	5.69E-08	2.60E-08	2.28E-08	0.00E+00	0.00E+00	9.44E-09	2.13E-09	1.35E-08	2.09E-09	1.76E-09	2.90E-08
931	490436.72	3860985.12	8.50E-05	1.04E-04	9.13E-05	2.94E-08	8.89E-08	5.15E-08	6.30E-08	5.71E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.47E-09	2.14E-09	1.36E-08	2.09E-09	1.77E-09	2.90E-08
932	490486.72	3860985.12	8.51E-05	1.04E-04	9.14E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.47E-09	2.14E-09	1.36E-08	2.10E-09	1.77E-09	2.91E-08
933	490536.72	3860985.12	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.48E-09	2.14E-09	1.36E-08	2.10E-09	1.77E-09	2.91E-08
934	490586.72	3860985.12	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.91E-08	5.16E-08	6.32E-08	5.73E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.49E-09	2.14E-09	1.36E-08	2.10E-09	1.77E-09	2.91E-08
935	490636.72	3860985.12	8.54E-05	1.05E-04	9.17E-05	2.96E-08	8.92E-08	5.17E-08	6.33E-08	5.73E-08	2.62E-08	2.29E-08	0.00E+00	0.00E+00	9.50E-09	2.15E-09	1.36E-08	2.10E-09	1.78E-09	2.92E-08
936	490686.72	3860985.12	8.54E-05	1.05E-04	9.17E-05	2.96E-08	8.93E-08	5.17E-08	6.33E-08	5.74E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.51E-09	2.15E-09	1.36E-08	2.10E-09	1.78E-09	2.92E-08
937	490736.72	3860985.12	8.54E-05	1.05E-04	9.18E-05	2.96E-08	8.93E-08	5.17E-08	6.33E-08	5.74E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.51E-09	2.15E-09	1.36E-08	2.10E-09	1.78E-09	2.92E-08
938	490786.72	3860985.12	8.55E-05	1.05E-04	9.18E-05	2.96E-08	8.94E-08	5.17E-08	6.34E-08	5.74E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.52E-09	2.15E-09	1.36E-08	2.10E-09	1.78E-09	2.92E-08
939	490836.72	3860985.12	8.56E-05	1.05E-04	9.20E-05	2.96E-08	8.95E-08	5.18E-08	6.35E-08	5.75E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.53E-09	2.15E-09	1.37E-08	2.11E-09	1.78E-09	2.92E-08
940	490086.72	3861035.12	8.23E-05	1.01E-04	8.83E-05	2.85E-08	8.60E-08	4.98E-08	6.10E-08	5.53E-08	2.52E-08	2.21E-08	0.00E+00	0.00E+00	9.16E-09	2.07E-09	1.31E-08	2.02E-09	1.71E-09	2.81E-08
941	490136.72	3861035.12	8.24E-05	1.01E-04	8.85E-05	2.85E-08	8.61E-08	4.98E-08	6.10E-08	5.53E-08	2.52E-08	2.21E-08	0.00E+00	0.00E+00	9.17E-09	2.07E-09	1.31E-08	2.03E-09	1.71E-09	2.81E-08
942	490186.72	3861035.12	8.24E-05	1.01E-04	8.85E-05	2.85E-08	8.62E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.18E-09	2.07E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
943	490236.72	3861035.12	8.26E-05	1.01E-04	8.87E-05	2.86E-08	8.63E-08	5.00E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.19E-09	2.08E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
944	490286.72	3861035.12	8.26E-05	1.01E-04	8.87E-05	2.86E-08	8.63E-08	5.00E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.19E-09	2.08E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
945	490336.72	3861035.12	8.26E-05	1.01E-04	8.88E-05	2.86E-08	8.64E-08	5.00E-08	6.12E-08	5.55E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.20E-09	2.08E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
946	490386.72	3861035.12	8.29E-05	1.01E-04	8.90E-05	2.87E-08	8.66E-08	5.01E-08	6.14E-08	5.57E-08	2.54E-08	2.23E-08	0.00E+00	0.00E+00	9.22E-09	2.08E-09	1.32E-08	2.04E-09	1.72E-09	2.83E-08
947	490436.72	3861035.12	8.31E-05	1.02E-04	8.92E-05	2.88E-08	8.68E-08	5.03E-08	6.16E-08	5.58E-08	2.55E-08	2.23E-08	0.00E+00	0.00E+00	9.25E-09	2.09E-09	1.33E-08	2.05E-09	1.73E-09	2.84E-08
948	490486.72	3861035.12	8.32E-05	1.02E-04	8.93E-05	2.88E-08	8.69E-08	5.03E-08	6.16E-08	5.59E-08	2.55E-08	2.24E-08	0.00E+00	0.00E+00	9.26E-09	2.09E-09	1.33E-08	2.05E-09	1.73E-09	2.84E-08
949	490536.72	3861035.12	8.33E-05	1.02E-04	8.94E-05	2.88E-08	8.70E-08	5.04E-08	6.17E-08	5.59E-08	2.55E-08	2.24E-08	0.00E+00	0.00E+00	9.27E-09	2.09E-09	1.33E-08	2.05E-09	1.73E-09	2.84E-08
950	490586.72	3861035.12	8.33E-05	1.02E-04	8.95E-05	2.88E-08	8.71E-08	5.04E-08	6.17E-08	5.60E-08	2.55E-08	2.24E-08	0.00E+00	0.00E+00	9.27E-09	2.10E-09	1.33E-08	2.05E-09	1.73E-09	2.85E-08
951	490636.72	3861035.12	8.34E-05	1.02E-04	8.95E-05	2.89E-08	8.71E-08	5.04E-08	6.18E-08	5.60E-08	2.56E-08	2.24E-08	0.00E+00	0.00E+00	9.28E-09	2.10E-09	1.33E-08	2.05E-09	1.73E-09	2.85E-08
952	490686.72	3861035.12	8.34E-05	1.02E-04	8.96E-05	2.89E-08	8.72E-08	5.05E-08	6.18E-08	5.60E-08	2.56E-08	2.24E-08	0.00E+00	0.00E+00	9.28E-09	2.10E-09	1.33E-08	2.05E-09	1.74E-09	2.85E-08
953	490736.72	3861035.12	8.35E-05	1.02E-04	8.96E-05	2.89E-08	8.72E-08	5.05E-08	6.19E-08	5.61E-08	2.56E-08	2.24E-08	0.00E+00	0.00E+00	9.29E-09	2.10E-09	1.33E-08	2.05E-09	1.74E-09	2.85E-08
954	490786.72	3861035.12	8.36E-05	1.02E-04	8.97E-05	2.89E-08	8.74E-08	5.06E-08	6.19E-08	5.61E-08	2.56E-08	2.25E-08	0.00E+00	0.00E+00	9.30E-09	2.10E-09	1.33E-08	2.06E-09	1.74E-09	2.85E-08
955	490836.72	3861035.12	8.37E-05	1.03E-04	8.99E-05	2.90E-08	8.75E-08	5.06E-08	6.20E-08	5.62E-08	2.57E-08	2.25E-08	0.00E+00	0.00E+00	9.32E-09	2.11E-09	1.34E-08	2.06E-09	1.74E-09	2.86E-08
956	490086.72	3861085.12	8.04E-05	9.85E-05	8.64E-05	2.78E-08	8.41E-08	4.87E-08	5.96E-08	5.40E-08	2.47E-08	2.16E-08	0.00E+00	0.00E+00	8.95E-09	2.02E-09	1.28E-08	1.98E-09	1.67E-09	2.75E-08
957	490136.72	3861085.12	8.06E-05	9.88E-05	8.66E-05	2.79E-08	8.43E-08	4.88E-08	5.98E-08	5.42E-08	2.47E-08	2.17E-08	0.00E+00	0.00E+00	8.98E-09	2.03E-09	1.29E-08	1.98E-09	1.68E-09	2.75E-08
958	490186.72	3861085.12	8.09E-05	9.90E-05	8.68E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	9.00E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
959	490236.72	3861085.12	8.08E-05	9.90E-05	8.68E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	9.00E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
960	490286.72	3861085.12	8.08E-05	9.90E-05	8.68E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	9.00E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
961	490336.72	3861085.12	8.09E-05	9.90E-05	8.69E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	9.00E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
962	490386.72	3861085.12	8.11E-05	9.93E-05	8.70E-05	2.81E-08	8.47E-08	4.90E-08	6.01E-08	5.44E-08	2.48E-08	2.18E-08	0.00E+00	0.00E+00	9.02E-09	2.04E-09	1.29E-08	2.00E-09	1.69E-09	2.77E-08
963	490436.72	3861085.12	8.12E-05	9.94E-05	8.72E-05	2.81E-08	8.48E-08	4.91E-08	6.01E-08	5.45E-08	2.49E-08	2.18E-08	0.00E+00	0.00E+00	9.03E-09	2.04E-09	1.30E-08	2.00E-09	1.69E-09	2.77E-08
964	490486.72	3861085.12	8.13E-05	9.95E-05	8.73E-05	2.81E-08	8.49E-08	4.92E-08	6.02E-08	5.46E-08	2.49E-08	2.18E-08	0.00E+00	0.00E+00	9.05E-09	2.04E-09	1.30E-08	2.00E-09	1.69E-09	2.78E-08
965	490536.72	3861085.12	8.14E-05	9.97E-05	8.75E-05	2.82E-08	8.51E-08	4.93E-08	6.04E-08	5.47E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.07E-09	2.05E-09	1.30E-08	2.00E-09	1.69E-09	2.78E-08
966	490586.72	3861085.12	8.15E-05	9.98E-05	8.75E-05	2.82E-08	8.51E-08	4.93E-08	6.04E-08	5.47E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.07E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.78E-08
967	490636.72	3861085.12	8.14E-05	9.97E-05	8.74E-05	2.82E-08	8.51E-08	4.93E-08	6.03E-08	5.47E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.06E-09	2.05E-09	1.30E-08	2.00E-09	1.69E-09	2.78E-08
968	490686.72	3861085.12	8.15E-05	9.98E-05	8.75E-05	2.82E-08	8.52E-08	4.93E-08	6.04E-08	5.47E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.07E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.78E-08
969	490736.72	3861085.12	8.16E-05	9.99E-05	8.76E-05	2.82E-08	8.53E-08	4.94E-08	6.05E-08	5.48E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.08E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
970	490786.72	3861085.12	8.17E-05	1.00E-04	8.77E-05	2.83E-08	8.54E-08	4.94E-08	6.05E-08	5.49E-08	2.50E-08	2.20E-08	0.00E+00	0.00E+00	9.09E-09	2.06E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
971	490836.72	3861085.12	8.18E-05	1.00E-04	8.78E-05	2.83E-08	8.55E-08	4.95E-08	6.06E-08	5.50E-08	2.51E-08	2.20E-08	0.00E+00	0.00E+00	9.11E-09	2.06E-09	1.31E-08	2.01E-09	1.70E-09	2.79E-08
972	490086.72	3861135.12	7.87E-05	9.64E-05	8.45E-05	2.72E-08	8.22E-08	4.76E-08	5.83E-08	5.29E-08	2.41E-08	2.11E-08	0.00E+00	0.00E+00	8.76E-09	1.98E-09	1.26E-08	1.94E-09	1.64E-09	2.69E-08
973	490136.72	3861135.12	7.88E-05	9.66E-05	8.47E-05	2.73E-08	8.24E-08	4.77E-08	5.84E-08	5.30E-08	2.42E-08	2.12E-08	0.00E+00	0.00E+00	8.78E-09	1.98E-09	1.26E-08	1.94E-09	1.64E-09	2.69E-08
974	490186.72	3861135.12	7.90E-05	9.68E-05	8.49E-05	2.74E-08	8.26E-08	4.78E-08	5.86E-08	5.31E-08	2.42E-08	2.12E-08	0.00E+00	0.00E+00	8.80E-09	1.99E-09	1.26E-08	1.95E-09	1.64E-09	2.70E-08
975	490236.72	3861135.12	7.91E-05	9.69E-05	8.50E-05	2.74E-08	8.27E-08	4.79E-08	5.87E-08	5.32E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.81E-09	1.99E-09	1.26E-08	1.95E-09	1.65E-09	2.70E-08
976	490286.72	3861135.12	7.92E-05	9.70E-05	8.50E-05	2.74E-08	8.28E-08	4.79E-08	5.87E-08	5.32E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.81E-09	1.99E-09	1.26E-08	1.95E-09	1.65E-09	2.70E-08
977	490336.72	3861135.12	7.92E-05	9.70E-05	8.51E-05	2.74E-08	8.28E-08	4.79E-08	5.87E-08	5.32E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.82E-09	1.99E-09	1.26E-08	1.95E-09	1.65E-09	2.71E-08
978	490386.72	3861135.12	7.93E-05	9.71E-05	8.52E-05	2.75E-08	8.29E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.83E-09	2.00E-09	1.27E-08	1.95E-09	1.65E-09	2.71E-08
979	490436.72	3861135.12	7.94E-05	9.72E-05	8.53E-05	2.75E-08	8.30E-08	4.80E-08	5.88E-08	5.33E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.84E-09	2.00E-09	1.27E-08	1.95E-09	1.65E-09	2.71E-08

980	490486.72	3861135.12	7.95E-05	9.74E-05	8.54E-05	2.75E-08	8.31E-08	4.81E-08	5.89E-08	5.34E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.85E-09	2.00E-09	1.27E-08	1.96E-09	1.65E-09	2.71E-08
981	490536.72	3861135.12	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.86E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
982	490586.72	3861135.12	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.86E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
983	490636.72	3861135.12	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.86E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
984	490686.72	3861135.12	7.97E-05	9.76E-05	8.56E-05	2.76E-08	8.33E-08	4.82E-08	5.91E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.87E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
985	490736.72	3861135.12	7.98E-05	9.78E-05	8.57E-05	2.76E-08	8.34E-08	4.83E-08	5.92E-08	5.36E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.89E-09	2.01E-09	1.27E-08	1.96E-09	1.66E-09	2.73E-08
986	490786.72	3861135.12	7.99E-05	9.79E-05	8.58E-05	2.77E-08	8.35E-08	4.84E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.90E-09	2.01E-09	1.28E-08	1.97E-09	1.66E-09	2.73E-08
987	490836.72	3861135.12	8.00E-05	9.80E-05	8.59E-05	2.77E-08	8.36E-08	4.84E-08	5.93E-08	5.37E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.90E-09	2.01E-09	1.28E-08	1.97E-09	1.66E-09	2.73E-08
988	490086.72	3861185.12	7.70E-05	9.43E-05	8.27E-05	2.66E-08	8.05E-08	4.66E-08	5.71E-08	5.17E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.57E-09	1.94E-09	1.23E-08	1.89E-09	1.60E-09	2.63E-08
989	490136.72	3861185.12	7.70E-05	9.43E-05	8.27E-05	2.67E-08	8.05E-08	4.66E-08	5.71E-08	5.17E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.57E-09	1.94E-09	1.23E-08	1.90E-09	1.60E-09	2.63E-08
990	490186.72	3861185.12	7.72E-05	9.45E-05	8.29E-05	2.67E-08	8.06E-08	4.67E-08	5.72E-08	5.18E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.59E-09	1.94E-09	1.23E-08	1.90E-09	1.61E-09	2.63E-08
991	490236.72	3861185.12	7.73E-05	9.47E-05	8.30E-05	2.68E-08	8.08E-08	4.68E-08	5.73E-08	5.19E-08	2.37E-08	2.08E-08	0.00E+00	0.00E+00	8.60E-09	1.94E-09	1.23E-08	1.90E-09	1.61E-09	2.64E-08
992	490286.72	3861185.12	7.75E-05	9.49E-05	8.32E-05	2.68E-08	8.10E-08	4.69E-08	5.74E-08	5.21E-08	2.38E-08	2.08E-08	0.00E+00	0.00E+00	8.63E-09	1.95E-09	1.24E-08	1.91E-09	1.61E-09	2.65E-08
993	490336.72	3861185.12	7.74E-05	9.48E-05	8.31E-05	2.68E-08	8.09E-08	4.68E-08	5.73E-08	5.20E-08	2.37E-08	2.08E-08	0.00E+00	0.00E+00	8.61E-09	1.95E-09	1.24E-08	1.90E-09	1.61E-09	2.64E-08
994	490386.72	3861185.12	7.75E-05	9.49E-05	8.32E-05	2.68E-08	8.10E-08	4.69E-08	5.74E-08	5.21E-08	2.38E-08	2.08E-08	0.00E+00	0.00E+00	8.63E-09	1.95E-09	1.24E-08	1.91E-09	1.61E-09	2.65E-08
995	490436.72	3861185.12	7.77E-05	9.51E-05	8.34E-05	2.69E-08	8.12E-08	4.70E-08	5.76E-08	5.22E-08	2.38E-08	2.09E-08	0.00E+00	0.00E+00	8.65E-09	1.95E-09	1.24E-08	1.91E-09	1.62E-09	2.65E-08
996	490486.72	3861185.12	7.77E-05	9.52E-05	8.35E-05	2.69E-08	8.12E-08	4.70E-08	5.76E-08	5.22E-08	2.38E-08	2.09E-08	0.00E+00	0.00E+00	8.65E-09	1.96E-09	1.24E-08	1.91E-09	1.62E-09	2.65E-08
997	490536.72	3861185.12	7.80E-05	9.55E-05	8.37E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	0.00E+00	0.00E+00	8.68E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
998	490586.72	3861185.12	7.80E-05	9.55E-05	8.37E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	0.00E+00	0.00E+00	8.68E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
999	490636.72	3861185.12	7.79E-05	9.54E-05	8.36E-05	2.70E-08	8.14E-08	4.71E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	0.00E+00	0.00E+00	8.67E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
1000	490686.72	3861185.12	7.79E-05	9.54E-05	8.37E-05	2.70E-08	8.14E-08	4.72E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	0.00E+00	0.00E+00	8.67E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
1001	490736.72	3861185.12	7.81E-05	9.57E-05	8.39E-05	2.70E-08	8.16E-08	4.73E-08	5.79E-08	5.25E-08	2.39E-08	2.10E-08	0.00E+00	0.00E+00	8.69E-09	1.96E-09	1.25E-08	1.92E-09	1.63E-09	2.67E-08
1002	490786.72	3861185.12	7.82E-05	9.58E-05	8.40E-05	2.71E-08	8.18E-08	4.73E-08	5.80E-08	5.26E-08	2.40E-08	2.10E-08	0.00E+00	0.00E+00	8.71E-09	1.97E-09	1.25E-08	1.93E-09	1.63E-09	2.67E-08
1003	490836.72	3861185.12	7.83E-05	9.59E-05	8.41E-05	2.71E-08	8.19E-08	4.74E-08	5.80E-08	5.26E-08	2.40E-08	2.10E-08	0.00E+00	0.00E+00	8.72E-09	1.97E-09	1.25E-08	1.93E-09	1.63E-09	2.67E-08
1004	490086.72	3861235.12	7.53E-05	9.22E-05	8.09E-05	2.61E-08	7.87E-08	4.56E-08	5.58E-08	5.06E-08	2.31E-08	2.02E-08	0.00E+00	0.00E+00	8.38E-09	1.89E-09	1.20E-08	1.85E-09	1.57E-09	2.57E-08
1005	490136.72	3861235.12	7.54E-05	9.23E-05	8.10E-05	2.61E-08	7.88E-08	4.56E-08	5.59E-08	5.06E-08	2.31E-08	2.03E-08	0.00E+00	0.00E+00	8.39E-09	1.90E-09	1.20E-08	1.86E-09	1.57E-09	2.57E-08
1006	490186.72	3861235.12	7.55E-05	9.25E-05	8.11E-05	2.61E-08	7.89E-08	4.57E-08	5.60E-08	5.07E-08	2.31E-08	2.03E-08	0.00E+00	0.00E+00	8.41E-09	1.90E-09	1.21E-08	1.86E-09	1.57E-09	2.58E-08
1007	490236.72	3861235.12	7.56E-05	9.25E-05	8.11E-05	2.62E-08	7.90E-08	4.57E-08	5.60E-08	5.08E-08	2.32E-08	2.03E-08	0.00E+00	0.00E+00	8.41E-09	1.90E-09	1.21E-08	1.86E-09	1.57E-09	2.58E-08
1008	490386.72	3861235.12	7.58E-05	9.28E-05	8.14E-05	2.62E-08	7.92E-08	4.58E-08	5.61E-08	5.09E-08	2.32E-08	2.04E-08	0.00E+00	0.00E+00	8.43E-09	1.91E-09	1.21E-08	1.86E-09	1.58E-09	2.59E-08
1009	490436.72	3861235.12	7.58E-05	9.28E-05	8.14E-05	2.62E-08	7.92E-08	4.59E-08	5.62E-08	5.09E-08	2.32E-08	2.04E-08	0.00E+00	0.00E+00	8.44E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.59E-08
1010	490486.72	3861235.12	7.59E-05	9.29E-05	8.15E-05	2.63E-08	7.93E-08	4.59E-08	5.62E-08	5.10E-08	2.33E-08	2.04E-08	0.00E+00	0.00E+00	8.45E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.59E-08
1011	490536.72	3861235.12	7.62E-05	9.34E-05	8.19E-05	2.64E-08	7.97E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.48E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.60E-08
1012	490586.72	3861235.12	7.64E-05	9.36E-05	8.21E-05	2.65E-08	7.99E-08	4.63E-08	5.66E-08	5.14E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.51E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.61E-08
1013	490636.72	3861235.12	7.62E-05	9.33E-05	8.18E-05	2.64E-08	7.96E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.48E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.60E-08
1014	490686.72	3861235.12	7.63E-05	9.34E-05	8.19E-05	2.64E-08	7.97E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.49E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.60E-08
1015	490736.72	3861235.12	7.64E-05	9.36E-05	8.21E-05	2.65E-08	7.99E-08	4.62E-08	5.66E-08	5.13E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.51E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.61E-08
1016	490786.72	3861235.12	7.66E-05	9.38E-05	8.23E-05	2.65E-08	8.01E-08	4.63E-08	5.68E-08	5.15E-08	2.35E-08	2.06E-08	0.00E+00	0.00E+00	8.53E-09	1.93E-09	1.22E-08	1.89E-09	1.59E-09	2.62E-08
1017	490836.72	3861235.12	7.67E-05	9.39E-05	8.24E-05	2.65E-08	8.02E-08	4.64E-08	5.68E-08	5.15E-08	2.35E-08	2.06E-08	0.00E+00	0.00E+00	8.54E-09	1.93E-09	1.22E-08	1.89E-09	1.60E-09	2.62E-08
1018	490086.72	3861285.12	7.38E-05	9.04E-05	7.93E-05	2.56E-08	7.72E-08	4.47E-08	5.47E-08	4.96E-08	2.26E-08	1.98E-08	0.00E+00	0.00E+00	8.22E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.52E-08
1019	490136.72	3861285.12	7.40E-05	9.07E-05	7.95E-05	2.56E-08	7.74E-08	4.48E-08	5.49E-08	4.97E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.24E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.53E-08
1020	490186.72	3861285.12	7.40E-05	9.06E-05	7.95E-05	2.56E-08	7.73E-08	4.48E-08	5.48E-08	4.97E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.24E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.53E-08
1021	490236.72	3861285.12	7.40E-05	9.07E-05	7.95E-05	2.56E-08	7.74E-08	4.48E-08	5.49E-08	4.97E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.24E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.53E-08
1022	490386.72	3861285.12	7.42E-05	9.09E-05	7.97E-05	2.57E-08	7.75E-08	4.49E-08	5.50E-08	4.98E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.26E-09	1.87E-09	1.18E-08	1.83E-09	1.54E-09	2.53E-08
1023	490436.72	3861285.12	7.43E-05	9.10E-05	7.98E-05	2.57E-08	7.77E-08	4.50E-08	5.51E-08	4.99E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.27E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.54E-08
1024	490486.72	3861285.12	7.43E-05	9.10E-05	7.98E-05	2.57E-08	7.77E-08	4.50E-08	5.51E-08	4.99E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.27E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.54E-08
1025	490536.72	3861285.12	7.44E-05	9.12E-05	7.99E-05	2.58E-08	7.78E-08	4.50E-08	5.52E-08	5.00E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.28E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.54E-08
1026	490586.72	3861285.12	7.46E-05	9.13E-05	8.01E-05	2.58E-08	7.79E-08	4.51E-08	5.53E-08	5.01E-08	2.29E-08	2.00E-08	0.00E+00	0.00E+00	8.30E-09	1.88E-09	1.19E-08	1.84E-09	1.55E-09	2.55E-08
1027	490636.72	3861285.12	7.45E-05	9.13E-05	8.00E-05	2.58E-08	7.79E-08	4.51E-08	5.52E-08	5.01E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.29E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.54E-08
1028	490686.72	3861285.12	7.46E-05	9.14E-05	8.01E-05	2.58E-08	7.80E-08	4.51E-08	5.53E-08	5.01E-08	2.29E-08	2.00E-08	0.00E+00	0.00E+00	8.30E-09	1.88E-09	1.19E-08	1.84E-09	1.55E-09	2.55E-08
1029	490736.72	3861285.12	7.49E-05	9.17E-05	8.04E-05	2.59E-08	7.82E-08	4.53E-08	5.55E-08	5.03E-08	2.29E-08	2.01E-08	0.00E+00	0.00E+00	8.33E-09	1.88E-09	1.19E-08	1.84E-09	1.56E-09	2.56E-08
1030	490786.72	3861285.12	7.49E-05	9.18E-05	8.05E-05	2.59E-08	7.83E-08	4.53E-08	5.55E-08	5.03E-08	2.30E-08	2.01E-08	0.00E+00	0.00E+00	8.34E-09	1.89E-09	1.20E-08	1.84E-09	1.56E-09	2.56E-08
1031	490836.72	3861285.12	7.50E-05	9.18E-05	8.05E-05	2.59E-08	7.84E-08	4.54E-08	5.56E-08	5.04E-08	2.30E-08	2.01E-08	0.00E+00	0.00E+00	8.34E-09	1.89E-09	1.20E-08	1.85E-09	1.56E-09	2.56E-08
1032	490061.24	3859716.13	1.69E-04	2.07E-04	1.82E-04	5.85E-08	1.77E-07	1.02E-07	1.25E-07	1.14E-07	5.18E-08	4.54E-08	0.00E+00	0.00E+00	1.88E-08	4.25E-09	2.70E-08	4.16E-09	3.52E-09	5.77E-08
1033	490111.24	3859716.13	1.68E-04	2.06E-04	1.81E-04	5.83E-08	1.76E-07	1.02E-07	1.25E-07	1.13E-07	5.16E-08	4.53E-08	0.00E+00	0.00E+00	1.87E-08	4.23E-09	2.69E-08	4.14E-09	3.50E-09	5.75E-08
1034	490161.24	3859716.13	1.68E-04	2.05E-04	1.80E-04	5.80E-08	1.75E-07	1.01E-07	1.24E-07	1.13E-07	5.14E-08	4.51E-08	0.00E+00	0.00E+00	1.87E-08	4.22E-09	2.68E-08	4.13E-09	3.49E-09	5.73E-08
1035	490211.24	3859716.13	1.67E-04	2.05E-04	1.79E-04	5.78E-08	1.75E-07	1.01E-07	1.24E-07	1.12E-07	5.12E-08	4.49E-08	0.00E+00	0.00E+00	1.86E-08	4.20E-09	2.67E-08	4.11E-09	3.48E-09	5.70E-08
1036	490061.24	3859766.13	1.64E-04	2.00E-04	1.76E-04	5.67E-08	1.71E-07	9.90E-08	1.21E-07	1.10E-07	5.02E-08	4.40E-08	0.00E+00	0.00E+00	1.82E-08	4.12E-09	2.61E-08	4.03E-09	3.41E-09	5.59E-08
1037	490111.24	3859766.13	1.63E-04	1.99E-04	1.75E-04	5.63E-08	1.70E-07	9.84E-08	1.21E-07	1.09E-07	4.99E-08	4.37E-08	0.00E+00	0.00E+00	1.81E-08	4.09E-09	2.60E-08	4.00E-09	3.39E-09	5.56E-08

1038	490161.24	3859766.13	1.62E-04	1.98E-04	1.74E-04	5.60E-08	1.69E-07	9.79E-08	1.20E-07	1.09E-07	4.96E-08	4.35E-08	0.00E+00	0.00E+00	1.80E-08	4.07E-09	2.58E-08	3.98E-09	3.37E-09	5.52E-08
1039	490211.24	3859766.13	1.61E-04	1.97E-04	1.73E-04	5.57E-08	1.68E-07	9.74E-08	1.19E-07	1.08E-07	4.94E-08	4.33E-08	0.00E+00	0.00E+00	1.79E-08	4.05E-09	2.57E-08	3.96E-09	3.35E-09	5.50E-08
1040	490061.24	3859816.13	1.59E-04	1.95E-04	1.71E-04	5.50E-08	1.66E-07	9.61E-08	1.18E-07	1.07E-07	4.87E-08	4.27E-08	0.00E+00	0.00E+00	1.77E-08	4.00E-09	2.54E-08	3.91E-09	3.31E-09	5.42E-08
1041	490111.24	3859816.13	1.58E-04	1.93E-04	1.69E-04	5.46E-08	1.65E-07	9.54E-08	1.17E-07	1.06E-07	4.83E-08	4.24E-08	0.00E+00	0.00E+00	1.75E-08	3.97E-09	2.52E-08	3.88E-09	3.28E-09	5.38E-08
1042	490161.24	3859816.13	1.57E-04	1.92E-04	1.68E-04	5.42E-08	1.64E-07	9.48E-08	1.16E-07	1.05E-07	4.80E-08	4.21E-08	0.00E+00	0.00E+00	1.74E-08	3.94E-09	2.50E-08	3.86E-09	3.26E-09	5.35E-08
1043	490211.24	3859816.13	1.56E-04	1.91E-04	1.67E-04	5.39E-08	1.63E-07	9.42E-08	1.15E-07	1.05E-07	4.77E-08	4.19E-08	0.00E+00	0.00E+00	1.73E-08	3.92E-09	2.49E-08	3.83E-09	3.24E-09	5.32E-08
1044	490061.24	3859866.13	1.54E-04	1.89E-04	1.66E-04	5.34E-08	1.61E-07	9.34E-08	1.14E-07	1.04E-07	4.73E-08	4.15E-08	0.00E+00	0.00E+00	1.72E-08	3.88E-09	2.46E-08	3.80E-09	3.21E-09	5.27E-08
1045	490111.24	3859866.13	1.53E-04	1.88E-04	1.65E-04	5.30E-08	1.60E-07	9.27E-08	1.14E-07	1.03E-07	4.70E-08	4.12E-08	0.00E+00	0.00E+00	1.71E-08	3.85E-09	2.45E-08	3.77E-09	3.19E-09	5.23E-08
1046	490161.24	3859866.13	1.52E-04	1.86E-04	1.63E-04	5.27E-08	1.59E-07	9.21E-08	1.13E-07	1.02E-07	4.66E-08	4.09E-08	0.00E+00	0.00E+00	1.69E-08	3.83E-09	2.43E-08	3.75E-09	3.17E-09	5.20E-08
1047	490211.24	3859866.13	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.15E-08	1.12E-07	1.02E-07	4.64E-08	4.07E-08	0.00E+00	0.00E+00	1.68E-08	3.80E-09	2.41E-08	3.72E-09	3.15E-09	5.16E-08
1048	490061.24	3859916.13	1.50E-04	1.84E-04	1.61E-04	5.19E-08	1.57E-07	9.08E-08	1.11E-07	1.01E-07	4.60E-08	4.03E-08	0.00E+00	0.00E+00	1.67E-08	3.77E-09	2.40E-08	3.69E-09	3.12E-09	5.12E-08
1049	490111.24	3859916.13	1.49E-04	1.83E-04	1.60E-04	5.16E-08	1.56E-07	9.02E-08	1.10E-07	1.00E-07	4.57E-08	4.01E-08	0.00E+00	0.00E+00	1.66E-08	3.75E-09	2.38E-08	3.67E-09	3.10E-09	5.09E-08
1050	490161.24	3859916.13	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.96E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.06E-08
1051	490211.24	3859916.13	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.90E-08	1.09E-07	9.88E-08	4.51E-08	3.95E-08	0.00E+00	0.00E+00	1.64E-08	3.70E-09	2.35E-08	3.62E-09	3.06E-09	5.02E-08
1052	490229.25	3859815.26	1.56E-04	1.91E-04	1.67E-04	5.39E-08	1.63E-07	9.42E-08	1.15E-07	1.05E-07	4.77E-08	4.18E-08	0.00E+00	0.00E+00	1.73E-08	3.91E-09	2.48E-08	3.83E-09	3.24E-09	5.31E-08
1053	490279.25	3859815.26	1.55E-04	1.90E-04	1.66E-04	5.36E-08	1.62E-07	9.37E-08	1.15E-07	1.04E-07	4.75E-08	4.16E-08	0.00E+00	0.00E+00	1.72E-08	3.90E-09	2.47E-08	3.81E-09	3.22E-09	5.29E-08
1054	490329.25	3859815.26	1.54E-04	1.89E-04	1.66E-04	5.34E-08	1.61E-07	9.33E-08	1.14E-07	1.04E-07	4.73E-08	4.15E-08	0.00E+00	0.00E+00	1.72E-08	3.88E-09	2.46E-08	3.80E-09	3.21E-09	5.27E-08
1055	490379.25	3859815.26	1.54E-04	1.89E-04	1.65E-04	5.33E-08	1.61E-07	9.32E-08	1.14E-07	1.03E-07	4.72E-08	4.14E-08	0.00E+00	0.00E+00	1.71E-08	3.87E-09	2.46E-08	3.79E-09	3.21E-09	5.26E-08
1056	490429.25	3859815.26	1.54E-04	1.89E-04	1.65E-04	5.33E-08	1.61E-07	9.32E-08	1.14E-07	1.03E-07	4.72E-08	4.14E-08	0.00E+00	0.00E+00	1.71E-08	3.87E-09	2.46E-08	3.79E-09	3.21E-09	5.26E-08
1057	490229.25	3859865.26	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.13E-08	1.12E-07	1.01E-07	4.63E-08	4.06E-08	0.00E+00	0.00E+00	1.68E-08	3.80E-09	2.41E-08	3.72E-09	3.14E-09	5.16E-08
1058	490279.25	3859865.26	1.50E-04	1.84E-04	1.61E-04	5.19E-08	1.57E-07	9.08E-08	1.11E-07	1.01E-07	4.60E-08	4.03E-08	0.00E+00	0.00E+00	1.67E-08	3.77E-09	2.40E-08	3.69E-09	3.12E-09	5.12E-08
1059	490329.25	3859865.26	1.49E-04	1.83E-04	1.60E-04	5.17E-08	1.56E-07	9.03E-08	1.11E-07	1.00E-07	4.58E-08	4.01E-08	0.00E+00	0.00E+00	1.66E-08	3.76E-09	2.38E-08	3.67E-09	3.11E-09	5.10E-08
1060	490379.25	3859865.26	1.49E-04	1.82E-04	1.60E-04	5.15E-08	1.55E-07	9.00E-08	1.10E-07	9.99E-08	4.56E-08	4.00E-08	0.00E+00	0.00E+00	1.66E-08	3.74E-09	2.37E-08	3.66E-09	3.10E-09	5.08E-08
1061	490429.25	3859865.26	1.48E-04	1.82E-04	1.59E-04	5.14E-08	1.55E-07	8.98E-08	1.10E-07	9.97E-08	4.55E-08	3.99E-08	0.00E+00	0.00E+00	1.65E-08	3.73E-09	2.37E-08	3.65E-09	3.09E-09	5.07E-08
1062	490229.25	3859915.26	1.47E-04	1.80E-04	1.58E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.95E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.05E-09	5.01E-08
1063	490279.25	3859915.26	1.46E-04	1.78E-04	1.57E-04	5.04E-08	1.52E-07	8.82E-08	1.08E-07	9.79E-08	4.47E-08	3.92E-08	0.00E+00	0.00E+00	1.62E-08	3.67E-09	2.33E-08	3.59E-09	3.03E-09	4.98E-08
1064	490329.25	3859915.26	1.45E-04	1.77E-04	1.56E-04	5.01E-08	1.51E-07	8.76E-08	1.07E-07	9.73E-08	4.44E-08	3.89E-08	0.00E+00	0.00E+00	1.61E-08	3.64E-09	2.31E-08	3.57E-09	3.02E-09	4.95E-08
1065	490379.25	3859915.26	1.44E-04	1.77E-04	1.55E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.88E-08	0.00E+00	0.00E+00	1.60E-08	3.63E-09	2.30E-08	3.55E-09	3.00E-09	4.92E-08
1066	490429.25	3859915.26	1.44E-04	1.76E-04	1.54E-04	4.97E-08	1.50E-07	8.68E-08	1.06E-07	9.64E-08	4.40E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.61E-09	2.29E-08	3.53E-09	2.99E-09	4.90E-08
1067	490451.43	3859872.59	1.47E-04	1.81E-04	1.58E-04	5.10E-08	1.54E-07	8.92E-08	1.09E-07	9.91E-08	4.52E-08	3.96E-08	0.00E+00	0.00E+00	1.64E-08	3.71E-09	2.35E-08	3.63E-09	3.07E-09	5.04E-08
1068	490501.43	3859872.59	1.47E-04	1.81E-04	1.58E-04	5.10E-08	1.54E-07	8.92E-08	1.09E-07	9.90E-08	4.52E-08	3.96E-08	0.00E+00	0.00E+00	1.64E-08	3.71E-09	2.35E-08	3.63E-09	3.07E-09	5.04E-08
1069	490551.43	3859872.59	1.48E-04	1.81E-04	1.59E-04	5.11E-08	1.54E-07	8.94E-08	1.09E-07	9.93E-08	4.53E-08	3.97E-08	0.00E+00	0.00E+00	1.64E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.05E-08
1070	490601.43	3859872.59	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.96E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.06E-08
1071	490451.43	3859922.59	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.59E-09	2.28E-08	3.51E-09	2.97E-09	4.87E-08
1072	490501.43	3859922.59	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.61E-08	1.05E-07	9.56E-08	4.36E-08	3.83E-08	0.00E+00	0.00E+00	1.58E-08	3.58E-09	2.27E-08	3.50E-09	2.96E-09	4.86E-08
1073	490551.43	3859922.59	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.61E-08	1.06E-07	9.56E-08	4.36E-08	3.83E-08	0.00E+00	0.00E+00	1.58E-08	3.58E-09	2.27E-08	3.50E-09	2.96E-09	4.86E-08
1074	490601.43	3859922.59	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.59E-09	2.28E-08	3.51E-09	2.97E-09	4.87E-08
1075	482129.67	3852241.07	8.34E-05	1.02E-04	8.96E-05	2.89E-08	8.71E-08	5.04E-08	6.18E-08	5.60E-08	2.56E-08	2.24E-08	0.00E+00	0.00E+00	9.28E-09	2.10E-09	1.33E-08	2.05E-09	1.74E-09	2.85E-08
1076	482029.67	3852291.07	8.48E-05	1.04E-04	9.11E-05	2.93E-08	8.86E-08	5.13E-08	6.28E-08	5.70E-08	2.60E-08	2.28E-08	0.00E+00	0.00E+00	9.44E-09	2.13E-09	1.35E-08	2.09E-09	1.77E-09	2.90E-08
1077	482079.67	3852291.07	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.48E-09	2.14E-09	1.36E-08	2.10E-09	1.77E-09	2.91E-08
1078	482129.67	3852291.07	8.54E-05	1.05E-04	9.18E-05	2.96E-08	8.92E-08	5.17E-08	6.33E-08	5.74E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.50E-09	2.15E-09	1.36E-08	2.10E-09	1.78E-09	2.92E-08
1079	482179.67	3852291.07	8.54E-05	1.05E-04	9.18E-05	2.96E-08	8.93E-08	5.17E-08	6.33E-08	5.74E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.51E-09	2.15E-09	1.36E-08	2.10E-09	1.78E-09	2.92E-08
1080	482229.67	3852291.07	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.48E-09	2.14E-09	1.36E-08	2.10E-09	1.77E-09	2.91E-08
1081	482029.67	3852341.07	8.62E-05	1.06E-04	9.26E-05	2.98E-08	9.01E-08	5.22E-08	6.39E-08	5.79E-08	2.64E-08	2.32E-08	0.00E+00	0.00E+00	9.60E-09	2.17E-09	1.38E-08	2.12E-09	1.80E-09	2.94E-08
1082	482079.67	3852341.07	8.69E-05	1.06E-04	9.33E-05	3.01E-08	9.08E-08	5.26E-08	6.44E-08	5.84E-08	2.66E-08	2.34E-08	0.00E+00	0.00E+00	9.67E-09	2.18E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
1083	482129.67	3852341.07	8.72E-05	1.07E-04	9.38E-05	3.02E-08	9.12E-08	5.28E-08	6.47E-08	5.86E-08	2.67E-08	2.35E-08	0.00E+00	0.00E+00	9.71E-09	2.19E-09	1.39E-08	2.15E-09	1.82E-09	2.98E-08
1084	482179.67	3852341.07	8.75E-05	1.07E-04	9.41E-05	3.03E-08	9.15E-08	5.30E-08	6.49E-08	5.88E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.74E-09	2.20E-09	1.40E-08	2.15E-09	1.82E-09	2.99E-08
1085	482259.06	3852400.14	8.95E-05	1.10E-04	9.62E-05	3.10E-08	9.36E-08	5.42E-08	6.64E-08	6.02E-08	2.74E-08	2.41E-08	0.00E+00	0.00E+00	9.97E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.06E-08
1086	482309.06	3852400.14	9.00E-05	1.10E-04	9.67E-05	3.11E-08	9.40E-08	5.44E-08	6.67E-08	6.05E-08	2.76E-08	2.42E-08	0.00E+00	0.00E+00	1.00E-08	2.26E-09	1.44E-08	2.22E-09	1.87E-09	3.07E-08
1087	482209.06	3852450.14	9.13E-05	1.12E-04	9.81E-05	3.16E-08	9.54E-08	5.53E-08	6.77E-08	6.14E-08	2.80E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.90E-09	3.12E-08
1088	482259.06	3852450.14	9.17E-05	1.12E-04	9.85E-05	3.17E-08	9.58E-08	5.55E-08	6.80E-08	6.16E-08	2.81E-08	2.47E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.46E-08	2.26E-09	1.91E-09	3.13E-08
1089	482309.06	3852450.14	9.23E-05	1.13E-04	9.92E-05	3.19E-08	9.65E-08	5.58E-08	6.84E-08	6.20E-08	2.83E-08	2.48E-08	0.00E+00	0.00E+00	1.03E-08	2.32E-09	1.47E-08	2.27E-09	1.92E-09	3.15E-08
1090	482209.06	3852500.14	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.75E-08	5.65E-08	6.91E-08	6.27E-08	2.86E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.94E-09	3.19E-08
1091	482259.06	3852500.14	9.39E-05	1.15E-04	1.01E-04	3.25E-08	9.81E-08	5.68E-08	6.96E-08	6.31E-08	2.88E-08	2.53E-08	0.00E+00	0.00E+00	1.05E-08	2.36E-09	1.50E-08	2.31E-09	1.96E-09	3.21E-08
1092	482309.06	3852500.14	9.44E-05	1.16E-04	1.01E-04	3.27E-08	9.87E-08	5.71E-08	7.00E-08	6.34E-08	2.89E-08	2.54E-08	0.00E+00	0.00E+00	1.05E-08	2.38E-09	1.51E-08	2.32E-09	1.97E-09	3.23E-08
1093	482283.91	3852513.62	9.47E-05	1.16E-04	1.02E-04	3.28E-08	9.90E-08	5.73E-08	7.02E-08	6.36E-08	2.90E-08	2.55E-08	0.00E+00	0.00E+00	1.05E-08	2.38E-09	1.51E-08	2.33E-09	1.97E-09	3.23E-08
1094	482333.91	3852513.62	9.51E-05	1.17E-04	1.02E-04	3.29E-08	9.94E-08	5.75E-08	7.05E-08	6.39E-08	2.92E-08	2.56E-08	0.00E+00	0.00E+00	1.06E-08	2.39E-09	1.52E-08	2.34E-09	1.98E-09	3.25E-08
1095	482283.91	3852563.62	9.66E-05	1.18E-04	1.04E-04	3.34E-08	1.01E-07	5.85E-08	7.16E-08	6.49E-08	2.96E-08	2.60E-08	0.00E+00	0.00E+00	1.08E-08	2.43E-09	1.54E-08	2.38E-09	2.01E-09	3.30E-08

1096	482333.91	3852563.62	9.71E-05	1.19E-04	1.04E-04	3.36E-08	1.01E-07	5.87E-08	7.19E-08	6.52E-08	2.98E-08	2.61E-08	0.00E+00	0.00E+00	1.08E-08	2.44E-09	1.55E-08	2.39E-09	2.02E-09	3.32E-08
1097	482383.91	3852563.62	9.74E-05	1.19E-04	1.05E-04	3.37E-08	1.02E-07	5.89E-08	7.22E-08	6.54E-08	2.99E-08	2.62E-08	0.00E+00	0.00E+00	1.08E-08	2.45E-09	1.55E-08	2.40E-09	2.03E-09	3.33E-08
1098	482283.91	3852613.62	9.91E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	5.99E-08	7.34E-08	6.66E-08	3.04E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.44E-09	2.06E-09	3.38E-08
1099	482333.91	3852613.62	9.94E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.01E-08	7.37E-08	6.68E-08	3.05E-08	2.67E-08	0.00E+00	0.00E+00	1.11E-08	2.50E-09	1.59E-08	2.45E-09	2.07E-09	3.39E-08
1100	482383.91	3852613.62	9.96E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.38E-08	6.69E-08	3.05E-08	2.68E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.45E-09	2.07E-09	3.40E-08
1101	482602.38	3852600.87	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.83E-08	3.12E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.62E-08	2.50E-09	2.12E-09	3.47E-08
1102	482652.38	3852600.87	1.02E-04	1.25E-04	1.09E-04	3.52E-08	1.06E-07	6.16E-08	7.54E-08	6.84E-08	3.12E-08	2.74E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.62E-08	2.51E-09	2.12E-09	3.48E-08
1103	482702.38	3852600.87	1.01E-04	1.24E-04	1.09E-04	3.50E-08	1.06E-07	6.12E-08	7.50E-08	6.80E-08	3.10E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.49E-09	2.11E-09	3.46E-08
1104	482552.38	3852650.87	1.04E-04	1.28E-04	1.12E-04	3.60E-08	1.09E-07	6.30E-08	7.72E-08	7.00E-08	3.19E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.56E-09	2.17E-09	3.56E-08
1105	482602.38	3852650.87	1.05E-04	1.28E-04	1.13E-04	3.62E-08	1.09E-07	6.33E-08	7.76E-08	7.03E-08	3.21E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.63E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
1106	482652.38	3852650.87	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
1107	482702.38	3852650.87	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.37E-08	7.80E-08	7.07E-08	3.23E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
1108	482552.38	3852700.87	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.23E-09	3.65E-08
1109	482602.38	3852700.87	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.12E-07	6.51E-08	7.98E-08	7.23E-08	3.30E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
1110	482652.38	3852700.87	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.25E-09	3.68E-08
1111	482702.38	3852700.87	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.13E-07	6.57E-08	8.05E-08	7.29E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.71E-08
1112	482452.38	3852750.87	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.53E-08	7.99E-08	7.25E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.66E-09	2.25E-09	3.68E-08
1113	482521.29	3852749.74	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.07E-08	7.31E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
1114	482571.29	3852749.74	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.29E-09	3.75E-08
1115	482521.29	3852799.74	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.49E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
1116	482571.29	3852799.74	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.84E-08
1117	482621.29	3852799.74	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.88E-08	8.42E-08	7.64E-08	3.48E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.86E-09	1.81E-08	2.80E-09	2.37E-09	3.88E-08
1118	482571.29	3852849.74	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
1119	482621.29	3852849.74	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
1120	482577.42	3852901.55	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.86E-08	8.03E-08	3.66E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
1121	482627.42	3852901.55	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.98E-09	2.53E-09	4.14E-08
1122	482629.96	3852955.85	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.09E-09	2.61E-09	4.28E-08
1123	482679.96	3852955.85	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.70E-08	9.44E-08	8.55E-08	3.90E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.20E-09	2.03E-08	3.13E-09	2.65E-09	4.35E-08
1124	482781.63	3853034.48	1.38E-04	1.70E-04	1.49E-04	4.79E-08	1.45E-07	8.37E-08	1.03E-07	9.30E-08	4.24E-08	3.72E-08	0.00E+00	0.00E+00	1.54E-08	3.48E-09	2.21E-08	3.41E-09	2.88E-09	4.73E-08
1125	482831.63	3853034.48	1.39E-04	1.70E-04	1.50E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.27E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.43E-09	2.90E-09	4.75E-08
1126	482881.63	3853034.48	1.39E-04	1.70E-04	1.50E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.27E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.43E-09	2.90E-09	4.75E-08
1127	482781.63	3853084.48	1.44E-04	1.76E-04	1.55E-04	4.98E-08	1.50E-07	8.70E-08	1.07E-07	9.66E-08	4.41E-08	3.87E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	3.00E-09	4.91E-08
1128	482831.63	3853084.48	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.51E-07	8.77E-08	1.07E-07	9.74E-08	4.44E-08	3.90E-08	0.00E+00	0.00E+00	1.61E-08	3.65E-09	2.31E-08	3.57E-09	3.02E-09	4.95E-08
1129	482881.63	3853084.48	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.78E-08	1.08E-07	9.75E-08	4.45E-08	3.90E-08	0.00E+00	0.00E+00	1.61E-08	3.65E-09	2.32E-08	3.57E-09	3.02E-09	4.95E-08
1130	482781.63	3853134.48	1.50E-04	1.83E-04	1.61E-04	5.18E-08	1.56E-07	9.05E-08	1.11E-07	1.01E-07	4.59E-08	4.03E-08	0.00E+00	0.00E+00	1.67E-08	3.76E-09	2.39E-08	3.68E-09	3.12E-09	5.11E-08
1131	482831.63	3853134.48	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.14E-08	1.12E-07	1.01E-07	4.63E-08	4.06E-08	0.00E+00	0.00E+00	1.68E-08	3.80E-09	2.41E-08	3.72E-09	3.15E-09	5.16E-08
1132	482881.63	3853134.48	1.51E-04	1.85E-04	1.63E-04	5.23E-08	1.58E-07	9.15E-08	1.12E-07	1.02E-07	4.64E-08	4.07E-08	0.00E+00	0.00E+00	1.68E-08	3.80E-09	2.41E-08	3.72E-09	3.15E-09	5.16E-08
1133	482831.63	3853184.48	1.58E-04	1.93E-04	1.70E-04	5.46E-08	1.65E-07	9.55E-08	1.17E-07	1.06E-07	4.84E-08	4.25E-08	0.00E+00	0.00E+00	1.76E-08	3.97E-09	2.52E-08	3.89E-09	3.29E-09	5.39E-08
1134	482881.63	3853184.48	1.58E-04	1.94E-04	1.70E-04	5.47E-08	1.65E-07	9.57E-08	1.17E-07	1.06E-07	4.85E-08	4.26E-08	0.00E+00	0.00E+00	1.76E-08	3.98E-09	2.52E-08	3.89E-09	3.30E-09	5.40E-08
1135	484154.84	3854250.98	5.53E-04	6.77E-04	5.95E-04	1.91E-07	5.78E-07	3.34E-07	4.10E-07	3.71E-07	1.69E-07	1.49E-07	0.00E+00	0.00E+00	6.15E-08	1.39E-08	8.83E-08	1.36E-08	1.15E-08	1.89E-07
1136	484204.84	3854250.98	5.36E-04	6.57E-04	5.77E-04	1.86E-07	5.61E-07	3.25E-07	3.98E-07	3.60E-07	1.64E-07	1.44E-07	0.00E+00	0.00E+00	5.97E-08	1.35E-08	8.56E-08	1.32E-08	1.12E-08	1.83E-07
1137	484154.84	3854300.98	5.73E-04	7.03E-04	6.17E-04	1.99E-07	5.99E-07	3.47E-07	4.25E-07	3.85E-07	1.76E-07	1.54E-07	0.00E+00	0.00E+00	6.38E-08	1.44E-08	9.16E-08	1.41E-08	1.20E-08	1.96E-07
1138	484204.84	3854300.98	5.64E-04	6.92E-04	6.08E-04	1.95E-07	5.90E-07	3.42E-07	4.18E-07	3.79E-07	1.73E-07	1.52E-07	0.00E+00	0.00E+00	6.28E-08	1.42E-08	9.01E-08	1.39E-08	1.18E-08	1.93E-07
1139	484074.19	3854519.8	9.25E-04	1.13E-03	9.95E-04	3.20E-07	9.67E-07	5.60E-07	6.86E-07	6.22E-07	2.84E-07	2.49E-07	0.00E+00	0.00E+00	1.03E-07	2.33E-08	1.48E-07	2.28E-08	1.93E-08	3.16E-07
1140	484124.19	3854519.8	8.79E-04	1.08E-03	9.46E-04	3.04E-07	9.19E-07	5.32E-07	6.52E-07	5.91E-07	2.70E-07	2.37E-07	0.00E+00	0.00E+00	9.79E-08	2.21E-08	1.40E-07	2.16E-08	1.83E-08	3.00E-07
1141	484074.19	3854569.8	1.10E-03	1.35E-03	1.19E-03	3.82E-07	1.15E-06	6.67E-07	8.18E-07	7.41E-07	3.38E-07	2.97E-07	0.00E+00	0.00E+00	1.23E-07	2.78E-08	1.76E-07	2.72E-08	2.30E-08	3.77E-07
1142	484124.19	3854569.8	1.03E-03	1.26E-03	1.11E-03	3.56E-07	1.08E-06	6.23E-07	7.63E-07	6.92E-07	3.16E-07	2.77E-07	0.00E+00	0.00E+00	1.15E-07	2.59E-08	1.64E-07	2.53E-08	2.15E-08	3.52E-07
1143	485205.11	3855188.89	4.23E-03	5.18E-03	4.54E-03	1.46E-06	4.42E-06	2.56E-06	3.14E-06	2.84E-06	1.30E-06	1.14E-06	0.00E+00	0.00E+00	4.71E-07	1.06E-07	6.75E-07	1.04E-07	8.80E-08	1.44E-06
1144	485255.11	3855188.89	3.78E-03	4.63E-03	4.06E-03	1.31E-06	3.95E-06	2.29E-06	2.80E-06	2.54E-06	1.16E-06	1.02E-06	0.00E+00	0.00E+00	4.21E-07	9.52E-08	6.04E-07	9.31E-08	7.86E-08	1.29E-06
1145	485205.11	3855238.89	4.63E-03	5.68E-03	4.98E-03	1.60E-06	4.84E-06	2.80E-06	3.43E-06	3.11E-06	1.42E-06	1.25E-06	0.00E+00	0.00E+00	5.16E-07	1.17E-07	7.40E-07	1.14E-07	9.65E-08	1.58E-06
1146	485255.11	3855238.89	4.18E-03	5.12E-03	4.49E-03	1.45E-06	4.37E-06	2.53E-06	3.10E-06	2.81E-06	1.28E-06	1.12E-06	0.00E+00	0.00E+00	4.65E-07	1.05E-07	6.67E-07	1.03E-07	8.70E-08	1.43E-06
1147	485205.11	3855288.89	5.65E-03	6.92E-03	6.08E-03	1.96E-06	5.90E-06	3.42E-06	4.19E-06	3.79E-06	1.73E-06	1.52E-06	0.00E+00	0.00E+00	6.29E-07	1.42E-07	9.02E-07	1.39E-07	1.18E-07	1.93E-06
1148	485255.11	3855288.89	4.89E-03	5.99E-03	5.26E-03	1.69E-06	5.11E-06	2.96E-06	3.63E-06	3.29E-06	1.50E-06	1.32E-06	0.00E+00	0.00E+00	5.45E-07	1.23E-07	7.81E-07	1.20E-07	1.02E-07	1.67E-06
1149	485255.11	3855338.89	5.85E-03	7.16E-03	6.30E-03	2.02E-06	6.11E-06	3.54E-06	4.34E-06	3.93E-06	1.79E-06	1.58E-06	0.00E+00	0.00E+00	6.51E-07	1.47E-07	9.34E-07	1.44E-07	1.22E-07	2.00E-06
1150	485305.11	3855338.89	5.06E-03	6.19E-03	5.44E-03	1.75E-06	5.29E-06	3.06E-06	3.75E-06	3.40E-06	1.55E-06	1.36E-06	0.00E+00	0.00E+00	5.63E-07	1.27E-07	8.07E-07	1.24E-07	1.05E-07	1.73E-06
1151	485852.5	3855635.28	3.50E-03	4.29E-03	3.78E-03	1.21E-06	3.66E-06	2.12E-06	2.60E-06	2.35E-06	1.07E-06	9.46E-07	0.00E+00	0.00E+00	3.90E-07	8.82E-08	5.59E-07	8.63E-08	7.32E-08	1.20E-06
1152	485902.5	3855635.28	3.23E-03	3.96E-03	3.48E-03	1.12E-06	3.38E-06	1.95E-06	2.39E-06	2.17E-06	9.90E-07	8.71E-07	0.00E+00	0.00E+00	3.59E-07	8.12E-08	5.16E-07	7.95E-08	6.75E-08	1.10E-06
1153	485852.5	3855685.28	3.83E-03	4.69E-03	4.13E-03	1.33E-06	4.00E-06	2.32E-06	2.84E-06	2.57E-06	1.17E-06	1.03E-06	0.00E+00	0.00E+00	4.26E-07	9.64E-08	6.11E-07	9.43E-08	8.00E-08	1.31E-06

1154	485902.5	3855685.28	3.50E-03	4.28E-03	3.77E-03	1.21E-06	3.66E-06	2.12E-06	2.59E-06	2.35E-06	1.07E-06	9.44E-07	0.00E+00	0.00E+00	3.89E-07	8.80E-08	5.58E-07	8.61E-08	7.31E-08	1.19E-06
1155	485852.5	3855735.28	4.23E-03	5.18E-03	4.56E-03	1.46E-06	4.42E-06	2.56E-06	3.13E-06	2.84E-06	1.30E-06	1.14E-06	0.00E+00	0.00E+00	4.71E-07	1.06E-07	6.75E-07	1.04E-07	8.84E-08	1.44E-06
1156	485902.5	3855735.28	3.85E-03	4.72E-03	4.15E-03	1.33E-06	4.02E-06	2.33E-06	2.85E-06	2.59E-06	1.18E-06	1.04E-06	0.00E+00	0.00E+00	4.29E-07	9.69E-08	6.15E-07	9.48E-08	8.05E-08	1.32E-06
1157	485852.5	3855785.28	4.81E-03	5.90E-03	5.19E-03	1.67E-06	5.03E-06	2.91E-06	3.57E-06	3.23E-06	1.48E-06	1.30E-06	0.00E+00	0.00E+00	5.36E-07	1.21E-07	7.69E-07	1.19E-07	1.01E-07	1.64E-06
1158	485902.5	3855785.28	4.24E-03	5.19E-03	4.57E-03	1.47E-06	4.43E-06	2.57E-06	3.14E-06	2.85E-06	1.30E-06	1.14E-06	0.00E+00	0.00E+00	4.72E-07	1.07E-07	6.77E-07	1.04E-07	8.87E-08	1.45E-06
1159	486809.46	3856465.28	3.76E-03	4.61E-03	4.06E-03	1.30E-06	3.93E-06	2.28E-06	2.79E-06	2.53E-06	1.15E-06	1.02E-06	0.00E+00	0.00E+00	4.19E-07	9.46E-08	6.00E-07	9.26E-08	7.86E-08	1.28E-06
1160	486859.46	3856465.28	3.52E-03	4.31E-03	3.80E-03	1.22E-06	3.68E-06	2.13E-06	2.61E-06	2.37E-06	1.08E-06	9.51E-07	0.00E+00	0.00E+00	3.92E-07	8.86E-08	5.62E-07	8.67E-08	7.36E-08	1.20E-06
1161	486909.46	3856465.28	3.31E-03	4.06E-03	3.57E-03	1.15E-06	3.46E-06	2.00E-06	2.45E-06	2.22E-06	1.01E-06	8.94E-07	0.00E+00	0.00E+00	3.69E-07	8.33E-08	5.28E-07	8.15E-08	6.92E-08	1.13E-06
1162	486809.46	3856515.28	4.12E-03	5.04E-03	4.44E-03	1.42E-06	4.30E-06	2.49E-06	3.05E-06	2.76E-06	1.26E-06	1.11E-06	0.00E+00	0.00E+00	4.58E-07	1.04E-07	6.57E-07	1.01E-07	8.61E-08	1.41E-06
1163	486859.46	3856515.28	3.82E-03	4.68E-03	4.12E-03	1.32E-06	3.99E-06	2.31E-06	2.83E-06	2.57E-06	1.17E-06	1.03E-06	0.00E+00	0.00E+00	4.25E-07	9.61E-08	6.10E-07	9.40E-08	7.99E-08	1.30E-06
1164	486909.46	3856515.28	3.57E-03	4.37E-03	3.85E-03	1.24E-06	3.73E-06	2.16E-06	2.65E-06	2.40E-06	1.09E-06	9.64E-07	0.00E+00	0.00E+00	3.97E-07	8.98E-08	5.70E-07	8.79E-08	7.46E-08	1.22E-06
1165	486980.94	3856357.95	2.68E-03	3.28E-03	2.89E-03	9.27E-07	2.80E-06	1.62E-06	1.99E-06	1.80E-06	8.21E-07	7.23E-07	0.00E+00	0.00E+00	2.98E-07	6.74E-08	4.28E-07	6.59E-08	5.60E-08	9.15E-07
1166	487030.94	3856357.95	2.57E-03	3.14E-03	2.77E-03	8.88E-07	2.68E-06	1.55E-06	1.90E-06	1.72E-06	7.86E-07	6.93E-07	0.00E+00	0.00E+00	2.86E-07	6.45E-08	4.10E-07	6.32E-08	5.36E-08	8.76E-07
1167	486980.94	3856407.95	2.85E-03	3.49E-03	3.07E-03	9.85E-07	2.98E-06	1.72E-06	2.11E-06	1.91E-06	8.73E-07	7.69E-07	0.00E+00	0.00E+00	3.17E-07	7.16E-08	4.54E-07	7.01E-08	5.95E-08	9.72E-07
1168	487030.94	3856407.95	2.72E-03	3.33E-03	2.93E-03	9.40E-07	2.84E-06	1.64E-06	2.01E-06	1.82E-06	8.32E-07	7.33E-07	0.00E+00	0.00E+00	3.02E-07	6.83E-08	4.33E-07	6.68E-08	5.68E-08	9.28E-07
1169	487447.18	3856437.45	2.03E-03	2.48E-03	2.19E-03	7.02E-07	2.12E-06	1.23E-06	1.50E-06	1.36E-06	6.22E-07	5.47E-07	0.00E+00	0.00E+00	2.26E-07	5.10E-08	3.24E-07	4.99E-08	4.24E-08	6.93E-07
1170	487497.18	3856437.45	1.96E-03	2.40E-03	2.12E-03	6.80E-07	2.05E-06	1.19E-06	1.45E-06	1.32E-06	6.02E-07	5.30E-07	0.00E+00	0.00E+00	2.19E-07	4.94E-08	3.13E-07	4.83E-08	4.10E-08	6.71E-07
1171	487547.18	3856437.45	1.90E-03	2.33E-03	2.05E-03	6.59E-07	1.99E-06	1.15E-06	1.41E-06	1.28E-06	5.83E-07	5.13E-07	0.00E+00	0.00E+00	2.12E-07	4.79E-08	3.04E-07	4.68E-08	3.98E-08	6.50E-07
1172	487447.18	3856487.45	2.11E-03	2.58E-03	2.27E-03	7.30E-07	2.20E-06	1.28E-06	1.56E-06	1.42E-06	6.47E-07	5.69E-07	0.00E+00	0.00E+00	2.35E-07	5.31E-08	3.37E-07	5.19E-08	4.41E-08	7.21E-07
1173	487497.18	3856487.45	2.04E-03	2.50E-03	2.20E-03	7.06E-07	2.13E-06	1.23E-06	1.51E-06	1.37E-06	6.25E-07	5.50E-07	0.00E+00	0.00E+00	2.27E-07	5.13E-08	3.25E-07	5.02E-08	4.26E-08	6.96E-07
1174	487547.18	3856487.45	1.97E-03	2.41E-03	2.13E-03	6.83E-07	2.06E-06	1.19E-06	1.46E-06	1.32E-06	6.04E-07	5.32E-07	0.00E+00	0.00E+00	2.19E-07	4.96E-08	3.15E-07	4.85E-08	4.12E-08	6.73E-07
1175	487447.18	3856537.45	2.19E-03	2.69E-03	2.37E-03	7.60E-07	2.29E-06	1.33E-06	1.63E-06	1.47E-06	6.73E-07	5.92E-07	0.00E+00	0.00E+00	2.44E-07	5.52E-08	3.50E-07	5.40E-08	4.59E-08	7.50E-07
1176	487497.18	3856537.45	2.12E-03	2.59E-03	2.28E-03	7.33E-07	2.21E-06	1.28E-06	1.57E-06	1.42E-06	6.49E-07	5.71E-07	0.00E+00	0.00E+00	2.36E-07	5.32E-08	3.38E-07	5.21E-08	4.42E-08	7.23E-07
1177	487547.18	3856537.45	2.04E-03	2.50E-03	2.20E-03	7.07E-07	2.14E-06	1.24E-06	1.51E-06	1.37E-06	6.26E-07	5.51E-07	0.00E+00	0.00E+00	2.27E-07	5.14E-08	3.26E-07	5.03E-08	4.27E-08	6.98E-07
1178	489285.89	3858826.54	7.69E-04	9.42E-04	8.29E-04	2.66E-07	8.04E-07	4.65E-07	5.70E-07	5.17E-07	2.36E-07	2.07E-07	0.00E+00	0.00E+00	8.56E-08	1.94E-08	1.23E-07	1.89E-08	1.61E-08	2.63E-07
1179	489335.89	3858826.54	7.18E-04	8.80E-04	7.74E-04	2.49E-07	7.50E-07	4.34E-07	5.32E-07	4.82E-07	2.20E-07	1.94E-07	0.00E+00	0.00E+00	7.99E-08	1.81E-08	1.15E-07	1.77E-08	1.50E-08	2.45E-07
1180	489385.89	3858826.54	6.75E-04	8.27E-04	7.27E-04	2.34E-07	7.06E-07	4.08E-07	5.00E-07	4.54E-07	2.07E-07	1.82E-07	0.00E+00	0.00E+00	7.52E-08	1.70E-08	1.08E-07	1.66E-08	1.41E-08	2.31E-07
1181	489435.89	3858826.54	6.39E-04	7.83E-04	6.89E-04	2.21E-07	6.68E-07	3.87E-07	4.74E-07	4.30E-07	1.96E-07	1.72E-07	0.00E+00	0.00E+00	7.12E-08	1.61E-08	1.02E-07	1.57E-08	1.33E-08	2.18E-07
1182	489485.89	3858826.54	6.09E-04	7.46E-04	6.56E-04	2.11E-07	6.37E-07	3.69E-07	4.51E-07	4.09E-07	1.87E-07	1.64E-07	0.00E+00	0.00E+00	6.78E-08	1.53E-08	9.72E-08	1.50E-08	1.27E-08	2.08E-07
1183	489535.89	3858826.54	5.83E-04	7.14E-04	6.28E-04	2.02E-07	6.09E-07	3.53E-07	4.32E-07	3.92E-07	1.79E-07	1.57E-07	0.00E+00	0.00E+00	6.49E-08	1.47E-08	9.31E-08	1.44E-08	1.22E-08	1.99E-07
1184	489585.89	3858826.54	5.60E-04	6.87E-04	6.03E-04	1.94E-07	5.86E-07	3.39E-07	4.15E-07	3.77E-07	1.72E-07	1.51E-07	0.00E+00	0.00E+00	6.24E-08	1.41E-08	8.95E-08	1.38E-08	1.17E-08	1.91E-07
1185	489635.89	3858826.54	5.41E-04	6.62E-04	5.82E-04	1.87E-07	5.65E-07	3.27E-07	4.01E-07	3.63E-07	1.66E-07	1.46E-07	0.00E+00	0.00E+00	6.02E-08	1.36E-08	8.63E-08	1.33E-08	1.13E-08	1.85E-07
1186	489685.89	3858826.54	5.23E-04	6.40E-04	5.63E-04	1.81E-07	5.46E-07	3.16E-07	3.87E-07	3.51E-07	1.60E-07	1.41E-07	0.00E+00	0.00E+00	5.82E-08	1.32E-08	8.34E-08	1.29E-08	1.09E-08	1.79E-07
1187	489735.89	3858826.54	5.07E-04	6.21E-04	5.45E-04	1.75E-07	5.29E-07	3.07E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	0.00E+00	0.00E+00	5.64E-08	1.27E-08	8.09E-08	1.25E-08	1.06E-08	1.73E-07
1188	489785.89	3858826.54	4.92E-04	6.03E-04	5.30E-04	1.70E-07	5.14E-07	2.98E-07	3.65E-07	3.31E-07	1.51E-07	1.33E-07	0.00E+00	0.00E+00	5.48E-08	1.24E-08	7.86E-08	1.21E-08	1.03E-08	1.68E-07
1189	489835.89	3858826.54	4.79E-04	5.87E-04	5.15E-04	1.66E-07	5.00E-07	2.90E-07	3.55E-07	3.22E-07	1.47E-07	1.29E-07	0.00E+00	0.00E+00	5.33E-08	1.20E-08	7.64E-08	1.18E-08	9.98E-09	1.64E-07
1190	489885.89	3858826.54	4.67E-04	5.72E-04	5.02E-04	1.62E-07	4.88E-07	2.82E-07	3.46E-07	3.14E-07	1.43E-07	1.26E-07	0.00E+00	0.00E+00	5.20E-08	1.17E-08	7.45E-08	1.15E-08	9.73E-09	1.59E-07
1191	489935.89	3858826.54	4.56E-04	5.58E-04	4.90E-04	1.58E-07	4.76E-07	2.76E-07	3.38E-07	3.06E-07	1.40E-07	1.23E-07	0.00E+00	0.00E+00	5.07E-08	1.15E-08	7.28E-08	1.12E-08	9.50E-09	1.56E-07
1192	489985.89	3858826.54	4.46E-04	5.46E-04	4.79E-04	1.54E-07	4.66E-07	2.70E-07	3.30E-07	2.99E-07	1.37E-07	1.20E-07	0.00E+00	0.00E+00	4.96E-08	1.12E-08	7.11E-08	1.10E-08	9.29E-09	1.52E-07
1193	490035.89	3858826.54	4.36E-04	5.34E-04	4.69E-04	1.51E-07	4.56E-07	2.64E-07	3.23E-07	2.93E-07	1.34E-07	1.17E-07	0.00E+00	0.00E+00	4.85E-08	1.10E-08	6.96E-08	1.07E-08	9.09E-09	1.49E-07
1194	489285.89	3858876.54	7.03E-04	8.62E-04	7.58E-04	2.43E-07	7.35E-07	4.26E-07	5.21E-07	4.73E-07	2.16E-07	1.90E-07	0.00E+00	0.00E+00	7.83E-08	1.77E-08	1.12E-07	1.73E-08	1.47E-08	2.40E-07
1195	489335.89	3858876.54	6.60E-04	8.09E-04	7.11E-04	2.29E-07	6.90E-07	4.00E-07	4.89E-07	4.44E-07	2.02E-07	1.78E-07	0.00E+00	0.00E+00	7.35E-08	1.66E-08	1.05E-07	1.63E-08	1.38E-08	2.26E-07
1196	489385.89	3858876.54	6.24E-04	7.65E-04	6.73E-04	2.16E-07	6.53E-07	3.78E-07	4.63E-07	4.20E-07	1.91E-07	1.68E-07	0.00E+00	0.00E+00	6.95E-08	1.57E-08	9.97E-08	1.54E-08	1.30E-08	2.13E-07
1197	489435.89	3858876.54	5.94E-04	7.27E-04	6.40E-04	2.06E-07	6.21E-07	3.59E-07	4.40E-07	3.99E-07	1.82E-07	1.60E-07	0.00E+00	0.00E+00	6.61E-08	1.49E-08	9.48E-08	1.46E-08	1.24E-08	2.03E-07
1198	489485.89	3858876.54	5.67E-04	6.95E-04	6.11E-04	1.96E-07	5.93E-07	3.43E-07	4.21E-07	3.81E-07	1.74E-07	1.53E-07	0.00E+00	0.00E+00	6.32E-08	1.43E-08	9.06E-08	1.40E-08	1.18E-08	1.94E-07
1199	489535.89	3858876.54	5.45E-04	6.67E-04	5.87E-04	1.89E-07	5.69E-07	3.30E-07	4.04E-07	3.66E-07	1.67E-07	1.47E-07	0.00E+00	0.00E+00	6.06E-08	1.37E-08	8.70E-08	1.34E-08	1.14E-08	1.86E-07
1200	489585.89	3858876.54	5.25E-04	6.43E-04	5.65E-04	1.82E-07	5.49E-07	3.18E-07	3.89E-07	3.53E-07	1.61E-07	1.41E-07	0.00E+00	0.00E+00	5.84E-08	1.32E-08	8.38E-08	1.29E-08	1.10E-08	1.79E-07
1201	489635.89	3858876.54	5.08E-04	6.22E-04	5.46E-04	1.76E-07	5.31E-07	3.07E-07	3.76E-07	3.41E-07	1.56E-07	1.37E-07	0.00E+00	0.00E+00	5.65E-08	1.28E-08	8.10E-08	1.25E-08	1.06E-08	1.73E-07
1202	489685.89	3858876.54	4.92E-04	6.03E-04	5.30E-04	1.70E-07	5.14E-07	2.98E-07	3.65E-07	3.31E-07	1.51E-07	1.33E-07	0.00E+00	0.00E+00	5.48E-08	1.24E-08	7.86E-08	1.21E-08	1.03E-08	1.68E-07
1203	489735.89	3858876.54	4.78E-04	5.86E-04	5.14E-04	1.65E-07	5.00E-07	2.89E-07	3.54E-07	3.21E-07	1.47E-07	1.29E-07	0.00E+00	0.00E+00	5.32E-08	1.20E-08	7.63E-08	1.18E-08	9.97E-09	1.63E-07
1204	489785.89	3858876.54	4.65E-04	5.70E-04	5.01E-04	1.61E-07	4.86E-07	2.82E-07	3.45E-07	3.13E-07	1.43E-07	1.25E-07	0.00E+00	0.00E+00	5.18E-08	1.17E-08	7.43E-08	1.15E-08	9.70E-09	1.59E-07
1205	489835.89	3858876.54	4.54E-04	5.56E-04	4.88E-04	1.57E-07	4.74E-07	2.74E-07	3.36E-07	3.05E-07	1.39E-07	1.22E-07	0.00E+00	0.00E+00	5.05E-08	1.14E-08	7.24E-08	1.12E-08	9.46E-09	1.55E-07
1206	489885.89	3858876.54	4.43E-04	5.43E-04	4.77E-04	1.53E-07	4.63E-07	2.68E-07	3.28E-07	2.98E-07	1.36E-07	1.19E-07	0.00E+00	0.00E+00	4.93E-08	1.11E-08	7.07E-08	1.09E-08	9.24E-09	1.51E-07
1207	489935.89	3858876.54	4.33E-04	5.31E-04	4.66E-04	1.50E-07	4.53E-07	2.62E-07	3.21E-07	2.91E-07	1.33E-07	1.17E-07	0.00E+00	0.00E+00	4.82E-08	1.09E-08	6.92E-08	1.07E-08	9.03E-09	1.48E-07
1208	489985.89	3858876.54	4.24E-04	5.19E-04	4.56E-04	1.47E-07	4.43E-07	2.57E-07	3.14E-07	2.85E-07	1.30E-07	1.14E-07	0.00E+00	0.00E+00	4.72E-08	1.07E-08	6.77E-08	1.04E-08	8.84E-09	1.45E-07
1209	490035.89	3858876.54	4.16E-04	5.09E-04	4.47E-04	1.44E-07	4.34E-07	2.51E-07	3.08E-07	2.79E-07	1.27E-07	1.12E-07	0.00E+00	0.00E+00	4.63E-08	1.05E-08	6.63E-08	1.02E-08	8.66E-09	1.42E-07
1210	489285.89	3858926.54	6.23E-04	7.63E-04	6.71E-04	2.16E-07	6.51E-07	3.77E-07	4.62E-07	4.19E-07	1.91E-07	1.68E-07	0.00E+00	0.00E+00	6.94E-08	1.57E-08	9.95E-08	1.53E-08	1.30E-08	2.13E-07
1211	489335.89	3858926.54	5.92E-04	7.26E-04	6.38E-04	2.05E-07	6.19E-07	3.58E-07	4.39E-07	3.98E-07	1.82E-07	1.60E-07	0.00E+00	0.00E+00	6.59E-08	1.49E-08	9.46E-08	1.46E-08	1.24E-08	2.02E-07

1212	489385.89	3858926.54	5.66E-04	6.93E-04	6.09E-04	1.96E-07	5.91E-07	3.42E-07	4.19E-07	3.80E-07	1.73E-07	1.52E-07	0.00E+00	0.00E+00	6.30E-08	1.42E-08	9.03E-08	1.39E-08	1.18E-08	1.93E-07
1213	489435.89	3858926.54	5.42E-04	6.64E-04	5.84E-04	1.88E-07	5.67E-07	3.28E-07	4.02E-07	3.64E-07	1.66E-07	1.46E-07	0.00E+00	0.00E+00	6.04E-08	1.36E-08	8.66E-08	1.34E-08	1.13E-08	1.85E-07
1214	489485.89	3858926.54	5.22E-04	6.39E-04	5.62E-04	1.81E-07	5.45E-07	3.16E-07	3.87E-07	3.51E-07	1.60E-07	1.41E-07	0.00E+00	0.00E+00	5.81E-08	1.31E-08	8.33E-08	1.28E-08	1.09E-08	1.78E-07
1215	489535.89	3858926.54	5.03E-04	6.17E-04	5.42E-04	1.74E-07	5.26E-07	3.05E-07	3.73E-07	3.38E-07	1.54E-07	1.36E-07	0.00E+00	0.00E+00	5.60E-08	1.27E-08	8.04E-08	1.24E-08	1.05E-08	1.72E-07
1216	489585.89	3858926.54	4.87E-04	5.97E-04	5.24E-04	1.69E-07	5.09E-07	2.95E-07	3.61E-07	3.27E-07	1.49E-07	1.31E-07	0.00E+00	0.00E+00	5.42E-08	1.23E-08	7.77E-08	1.20E-08	1.02E-08	1.66E-07
1217	489635.89	3858926.54	4.72E-04	5.79E-04	5.09E-04	1.64E-07	4.94E-07	2.86E-07	3.50E-07	3.17E-07	1.45E-07	1.27E-07	0.00E+00	0.00E+00	5.26E-08	1.19E-08	7.54E-08	1.16E-08	9.86E-09	1.61E-07
1218	489685.89	3858926.54	4.60E-04	5.63E-04	4.95E-04	1.59E-07	4.80E-07	2.78E-07	3.41E-07	3.09E-07	1.41E-07	1.24E-07	0.00E+00	0.00E+00	5.12E-08	1.16E-08	7.34E-08	1.13E-08	9.59E-09	1.57E-07
1219	489735.89	3858926.54	4.48E-04	5.49E-04	4.82E-04	1.55E-07	4.68E-07	2.71E-07	3.32E-07	3.01E-07	1.37E-07	1.21E-07	0.00E+00	0.00E+00	4.99E-08	1.13E-08	7.15E-08	1.10E-08	9.34E-09	1.53E-07
1220	489785.89	3858926.54	4.37E-04	5.36E-04	4.71E-04	1.51E-07	4.57E-07	2.65E-07	3.24E-07	2.94E-07	1.34E-07	1.18E-07	0.00E+00	0.00E+00	4.87E-08	1.10E-08	6.98E-08	1.08E-08	9.12E-09	1.49E-07
1221	489835.89	3858926.54	4.27E-04	5.24E-04	4.60E-04	1.48E-07	4.47E-07	2.59E-07	3.17E-07	2.87E-07	1.31E-07	1.15E-07	0.00E+00	0.00E+00	4.76E-08	1.08E-08	6.82E-08	1.05E-08	8.91E-09	1.46E-07
1222	489885.89	3858926.54	4.18E-04	5.13E-04	4.50E-04	1.45E-07	4.37E-07	2.53E-07	3.10E-07	2.81E-07	1.28E-07	1.13E-07	0.00E+00	0.00E+00	4.66E-08	1.05E-08	6.68E-08	1.03E-08	8.72E-09	1.43E-07
1223	489935.89	3858926.54	4.10E-04	5.02E-04	4.41E-04	1.42E-07	4.29E-07	2.48E-07	3.04E-07	2.75E-07	1.26E-07	1.10E-07	0.00E+00	0.00E+00	4.56E-08	1.03E-08	6.54E-08	1.01E-08	8.55E-09	1.40E-07
1224	489985.89	3858926.54	4.02E-04	4.93E-04	4.32E-04	1.39E-07	4.20E-07	2.43E-07	2.98E-07	2.70E-07	1.23E-07	1.08E-07	0.00E+00	0.00E+00	4.48E-08	1.01E-08	6.42E-08	9.90E-09	8.38E-09	1.37E-07
1225	490035.89	3858926.54	3.95E-04	4.83E-04	4.24E-04	1.37E-07	4.12E-07	2.39E-07	2.92E-07	2.65E-07	1.21E-07	1.06E-07	0.00E+00	0.00E+00	4.39E-08	9.93E-09	6.30E-08	9.71E-09	8.22E-09	1.35E-07
1226	489335.89	3858976.54	5.23E-04	6.41E-04	5.63E-04	1.81E-07	5.47E-07	3.16E-07	3.88E-07	3.51E-07	1.60E-07	1.41E-07	0.00E+00	0.00E+00	5.82E-08	1.32E-08	8.35E-08	1.29E-08	1.09E-08	1.79E-07
1227	489385.89	3858976.54	5.06E-04	6.19E-04	5.44E-04	1.75E-07	5.28E-07	3.06E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	0.00E+00	0.00E+00	5.63E-08	1.27E-08	8.07E-08	1.24E-08	1.06E-08	1.73E-07
1228	489435.89	3858976.54	4.90E-04	6.00E-04	5.27E-04	1.69E-07	5.12E-07	2.96E-07	3.63E-07	3.29E-07	1.50E-07	1.32E-07	0.00E+00	0.00E+00	5.45E-08	1.23E-08	7.82E-08	1.21E-08	1.02E-08	1.67E-07
1229	489485.89	3858976.54	4.75E-04	5.82E-04	5.11E-04	1.64E-07	4.96E-07	2.87E-07	3.52E-07	3.19E-07	1.46E-07	1.28E-07	0.00E+00	0.00E+00	5.29E-08	1.19E-08	7.58E-08	1.17E-08	9.91E-09	1.62E-07
1230	489535.89	3858976.54	4.61E-04	5.65E-04	4.97E-04	1.60E-07	4.82E-07	2.79E-07	3.42E-07	3.10E-07	1.41E-07	1.24E-07	0.00E+00	0.00E+00	5.13E-08	1.16E-08	7.36E-08	1.14E-08	9.62E-09	1.58E-07
1231	489585.89	3858976.54	4.49E-04	5.50E-04	4.83E-04	1.55E-07	4.69E-07	2.72E-07	3.33E-07	3.02E-07	1.38E-07	1.21E-07	0.00E+00	0.00E+00	5.00E-08	1.13E-08	7.17E-08	1.11E-08	9.36E-09	1.53E-07
1232	489635.89	3858976.54	4.37E-04	5.36E-04	4.71E-04	1.51E-07	4.57E-07	2.65E-07	3.24E-07	2.94E-07	1.34E-07	1.18E-07	0.00E+00	0.00E+00	4.87E-08	1.10E-08	6.98E-08	1.08E-08	9.12E-09	1.49E-07
1233	489685.89	3858976.54	4.27E-04	5.23E-04	4.59E-04	1.48E-07	4.46E-07	2.58E-07	3.16E-07	2.87E-07	1.31E-07	1.15E-07	0.00E+00	0.00E+00	4.75E-08	1.07E-08	6.81E-08	1.05E-08	8.90E-09	1.46E-07
1234	489735.89	3858976.54	4.17E-04	5.11E-04	4.49E-04	1.44E-07	4.36E-07	2.53E-07	3.09E-07	2.80E-07	1.28E-07	1.12E-07	0.00E+00	0.00E+00	4.65E-08	1.05E-08	6.66E-08	1.03E-08	8.70E-09	1.43E-07
1235	489785.89	3858976.54	4.09E-04	5.01E-04	4.40E-04	1.41E-07	4.27E-07	2.47E-07	3.03E-07	2.75E-07	1.25E-07	1.10E-07	0.00E+00	0.00E+00	4.55E-08	1.03E-08	6.52E-08	1.01E-08	8.52E-09	1.40E-07
1236	489835.89	3858976.54	4.01E-04	4.91E-04	4.31E-04	1.39E-07	4.19E-07	2.43E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	0.00E+00	0.00E+00	4.46E-08	1.01E-08	6.40E-08	9.87E-09	8.36E-09	1.37E-07
1237	489885.89	3858976.54	3.94E-04	4.82E-04	4.23E-04	1.36E-07	4.11E-07	2.38E-07	2.92E-07	2.64E-07	1.21E-07	1.06E-07	0.00E+00	0.00E+00	4.38E-08	9.90E-09	6.28E-08	9.69E-09	8.20E-09	1.34E-07
1238	489935.89	3858976.54	3.86E-04	4.73E-04	4.16E-04	1.34E-07	4.04E-07	2.34E-07	2.86E-07	2.60E-07	1.18E-07	1.04E-07	0.00E+00	0.00E+00	4.30E-08	9.72E-09	6.17E-08	9.51E-09	8.06E-09	1.32E-07
1239	489985.89	3858976.54	3.80E-04	4.65E-04	4.09E-04	1.32E-07	3.97E-07	2.30E-07	2.82E-07	2.55E-07	1.16E-07	1.02E-07	0.00E+00	0.00E+00	4.23E-08	9.56E-09	6.06E-08	9.35E-09	7.92E-09	1.30E-07
1240	490035.89	3858976.54	3.73E-04	4.57E-04	4.01E-04	1.29E-07	3.90E-07	2.26E-07	2.77E-07	2.51E-07	1.14E-07	1.00E-07	0.00E+00	0.00E+00	4.15E-08	9.39E-09	5.96E-08	9.19E-09	7.78E-09	1.27E-07
1241	489385.89	3859026.54	4.49E-04	5.50E-04	4.84E-04	1.56E-07	4.70E-07	2.72E-07	3.33E-07	3.02E-07	1.38E-07	1.21E-07	0.00E+00	0.00E+00	5.00E-08	1.13E-08	7.17E-08	1.11E-08	9.37E-09	1.53E-07
1242	489435.89	3859026.54	4.39E-04	5.38E-04	4.73E-04	1.52E-07	4.59E-07	2.66E-07	3.26E-07	2.95E-07	1.35E-07	1.18E-07	0.00E+00	0.00E+00	4.89E-08	1.11E-08	7.01E-08	1.08E-08	9.17E-09	1.50E-07
1243	489485.89	3859026.54	4.30E-04	5.26E-04	4.63E-04	1.49E-07	4.49E-07	2.60E-07	3.19E-07	2.89E-07	1.32E-07	1.16E-07	0.00E+00	0.00E+00	4.78E-08	1.08E-08	6.86E-08	1.06E-08	8.97E-09	1.47E-07
1244	489535.89	3859026.54	4.21E-04	5.15E-04	4.53E-04	1.46E-07	4.40E-07	2.54E-07	3.12E-07	2.83E-07	1.29E-07	1.13E-07	0.00E+00	0.00E+00	4.68E-08	1.06E-08	6.71E-08	1.04E-08	8.77E-09	1.44E-07
1245	489585.89	3859026.54	4.12E-04	5.04E-04	4.43E-04	1.43E-07	4.30E-07	2.49E-07	3.05E-07	2.77E-07	1.26E-07	1.11E-07	0.00E+00	0.00E+00	4.58E-08	1.04E-08	6.57E-08	1.01E-08	8.59E-09	1.41E-07
1246	489635.89	3859026.54	4.03E-04	4.94E-04	4.34E-04	1.40E-07	4.22E-07	2.44E-07	2.99E-07	2.71E-07	1.24E-07	1.09E-07	0.00E+00	0.00E+00	4.49E-08	1.01E-08	6.44E-08	9.93E-09	8.41E-09	1.38E-07
1247	489685.89	3859026.54	3.95E-04	4.84E-04	4.25E-04	1.37E-07	4.13E-07	2.39E-07	2.93E-07	2.66E-07	1.21E-07	1.06E-07	0.00E+00	0.00E+00	4.40E-08	9.95E-09	6.31E-08	9.73E-09	8.25E-09	1.35E-07
1248	489735.89	3859026.54	3.88E-04	4.75E-04	4.17E-04	1.34E-07	4.06E-07	2.35E-07	2.88E-07	2.61E-07	1.19E-07	1.04E-07	0.00E+00	0.00E+00	4.32E-08	9.76E-09	6.19E-08	9.55E-09	8.09E-09	1.33E-07
1249	489785.89	3859026.54	3.81E-04	4.67E-04	4.10E-04	1.32E-07	3.98E-07	2.31E-07	2.82E-07	2.56E-07	1.17E-07	1.03E-07	0.00E+00	0.00E+00	4.24E-08	9.59E-09	6.08E-08	9.38E-09	7.95E-09	1.30E-07
1250	489835.89	3859026.54	3.75E-04	4.59E-04	4.03E-04	1.30E-07	3.92E-07	2.27E-07	2.78E-07	2.52E-07	1.15E-07	1.01E-07	0.00E+00	0.00E+00	4.17E-08	9.43E-09	5.98E-08	9.22E-09	7.81E-09	1.28E-07
1251	489885.89	3859026.54	3.69E-04	4.52E-04	3.97E-04	1.28E-07	3.85E-07	2.23E-07	2.73E-07	2.48E-07	1.13E-07	9.93E-08	0.00E+00	0.00E+00	4.11E-08	9.28E-09	5.89E-08	9.08E-09	7.69E-09	1.26E-07
1252	489935.89	3859026.54	3.63E-04	4.45E-04	3.91E-04	1.26E-07	3.80E-07	2.20E-07	2.69E-07	2.44E-07	1.11E-07	9.78E-08	0.00E+00	0.00E+00	4.04E-08	9.14E-09	5.80E-08	8.94E-09	7.57E-09	1.24E-07
1253	489985.89	3859026.54	3.58E-04	4.38E-04	3.85E-04	1.24E-07	3.74E-07	2.17E-07	2.65E-07	2.40E-07	1.10E-07	9.63E-08	0.00E+00	0.00E+00	3.98E-08	9.00E-09	5.71E-08	8.81E-09	7.46E-09	1.22E-07
1254	490035.89	3859026.54	3.52E-04	4.31E-04	3.79E-04	1.22E-07	3.68E-07	2.13E-07	2.61E-07	2.36E-07	1.08E-07	9.47E-08	0.00E+00	0.00E+00	3.92E-08	8.86E-09	5.62E-08	8.67E-09	7.34E-09	1.20E-07
1255	489485.89	3859076.54	3.89E-04	4.76E-04	4.19E-04	1.35E-07	4.06E-07	2.35E-07	2.88E-07	2.61E-07	1.19E-07	1.05E-07	0.00E+00	0.00E+00	4.33E-08	9.78E-09	6.21E-08	9.57E-09	8.11E-09	1.33E-07
1256	489535.89	3859076.54	3.83E-04	4.69E-04	4.12E-04	1.33E-07	4.00E-07	2.32E-07	2.84E-07	2.57E-07	1.17E-07	1.03E-07	0.00E+00	0.00E+00	4.26E-08	9.63E-09	6.11E-08	9.43E-09	7.99E-09	1.31E-07
1257	489585.89	3859076.54	3.77E-04	4.62E-04	4.06E-04	1.31E-07	3.94E-07	2.28E-07	2.79E-07	2.53E-07	1.16E-07	1.02E-07	0.00E+00	0.00E+00	4.20E-08	9.49E-09	6.02E-08	9.28E-09	7.86E-09	1.29E-07
1258	489635.89	3859076.54	3.71E-04	4.55E-04	3.99E-04	1.28E-07	3.88E-07	2.25E-07	2.75E-07	2.49E-07	1.14E-07	1.00E-07	0.00E+00	0.00E+00	4.13E-08	9.34E-09	5.93E-08	9.14E-09	7.74E-09	1.27E-07
1259	489685.89	3859076.54	3.65E-04	4.48E-04	3.93E-04	1.27E-07	3.82E-07	2.21E-07	2.71E-07	2.46E-07	1.12E-07	9.84E-08	0.00E+00	0.00E+00	4.07E-08	9.19E-09	5.83E-08	9.00E-09	7.62E-09	1.25E-07
1260	489735.89	3859076.54	3.60E-04	4.41E-04	3.87E-04	1.25E-07	3.76E-07	2.18E-07	2.67E-07	2.42E-07	1.10E-07	9.69E-08	0.00E+00	0.00E+00	4.01E-08	9.06E-09	5.75E-08	8.86E-09	7.51E-09	1.23E-07
1261	489785.89	3859076.54	3.55E-04	4.35E-04	3.82E-04	1.23E-07	3.71E-07	2.15E-07	2.63E-07	2.38E-07	1.09E-07	9.55E-08	0.00E+00	0.00E+00	3.95E-08	8.92E-09	5.66E-08	8.73E-09	7.40E-09	1.21E-07
1262	489835.89	3859076.54	3.50E-04	4.28E-04	3.76E-04	1.21E-07	3.65E-07	2.12E-07	2.59E-07	2.35E-07	1.07E-07	9.41E-08	0.00E+00	0.00E+00	3.89E-08	8.80E-09	5.58E-08	8.61E-09	7.29E-09	1.19E-07
1263	489885.89	3859076.54	3.45E-04	4.22E-04	3.71E-04	1.19E-07	3.60E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.28E-08	0.00E+00	0.00E+00	3.84E-08	8.67E-09	5.50E-08	8.49E-09	7.19E-09	1.18E-07
1264	489935.89	3859076.54	3.40E-04	4.17E-04	3.66E-04	1.18E-07	3.56E-07	2.06E-07	2.52E-07	2.29E-07	1.04E-07	9.16E-08	0.00E+00	0.00E+00	3.79E-08	8.56E-09	5.43E-08	8.38E-09	7.10E-09	1.16E-07
1265	489985.89	3859076.54	3.36E-04	4.12E-04	3.62E-04	1.16E-07	3.52E-07	2.04E-07	2.49E-07	2.26E-07	1.03E-07	9.05E-08	0.00E+00	0.00E+00	3.74E-08	8.46E-09	5.37E-08	8.28E-09	7.01E-09	1.15E-07
1266	490035.89	3859076.54	3.32E-04	4.06E-04	3.57E-04	1.15E-07	3.47E-07	2.01E-07	2.46E-07	2.23E-07	1.02E-07	8.93E-08	0.00E+00	0.00E+00	3.69E-08	8.35E-09	5.30E-08	8.17E-09	6.91E-09	1.13E-07
1267	489585.89	3859126.54	3.46E-04	4.24E-04	3.72E-04	1.20E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.31E-08	0.00E+00	0.00E+00	3.85E-08	8.70E-09	5.52E-08	8.51E-09	7.21E-09	1.18E-07
1268	489635.89	3859126.54	3.42E-04	4.19E-04	3.68E-04	1.18E-07	3.57E-07	2.07E-07	2.53E-07	2.30E-07	1.05E-07	9.20E-08	0.00E+00	0.00E+00	3.81E-08	8.60E-09	5.46E-08	8.42E-09	7.13E-09	1.17E-07
1269	489685.89	3859126.54	3.38E-04	4.14E-04	3.64E-04	1.17E-07	3.53E-07	2.04E-07	2.50E-07	2.27E-07	1.04E-07	9.10E-08	0.00E+00	0.00E+00	3.76E-08	8.50E-09	5.39E-08	8.32E-09	7.04E-09	1.15E-07

1270	489735.89	3859126.54	3.34E-04	4.09E-04	3.59E-04	1.16E-07	3.49E-07	2.02E-07	2.48E-07	2.24E-07	1.02E-07	8.99E-08	0.00E+00	0.00E+00	3.72E-08	8.40E-09	5.33E-08	8.22E-09	6.96E-09	1.14E-07
1271	489785.89	3859126.54	3.30E-04	4.04E-04	3.55E-04	1.14E-07	3.45E-07	2.00E-07	2.45E-07	2.22E-07	1.01E-07	8.89E-08	0.00E+00	0.00E+00	3.67E-08	8.30E-09	5.27E-08	8.13E-09	6.88E-09	1.13E-07
1272	489835.89	3859126.54	3.26E-04	4.00E-04	3.51E-04	1.13E-07	3.41E-07	1.97E-07	2.42E-07	2.19E-07	1.00E-07	8.79E-08	0.00E+00	0.00E+00	3.63E-08	8.21E-09	5.21E-08	8.03E-09	6.80E-09	1.11E-07
1273	489885.89	3859126.54	3.23E-04	3.95E-04	3.47E-04	1.12E-07	3.37E-07	1.95E-07	2.39E-07	2.17E-07	9.89E-08	8.68E-08	0.00E+00	0.00E+00	3.59E-08	8.11E-09	5.15E-08	7.94E-09	6.72E-09	1.10E-07
1274	489935.89	3859126.54	3.19E-04	3.91E-04	3.43E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.78E-08	8.59E-08	0.00E+00	0.00E+00	3.55E-08	8.03E-09	5.09E-08	7.85E-09	6.65E-09	1.09E-07
1275	489985.89	3859126.54	3.16E-04	3.87E-04	3.39E-04	1.09E-07	3.30E-07	1.91E-07	2.34E-07	2.12E-07	9.68E-08	8.50E-08	0.00E+00	0.00E+00	3.51E-08	7.94E-09	5.04E-08	7.77E-09	6.58E-09	1.08E-07
1276	490035.89	3859126.54	3.12E-04	3.83E-04	3.36E-04	1.08E-07	3.26E-07	1.89E-07	2.31E-07	2.10E-07	9.58E-08	8.41E-08	0.00E+00	0.00E+00	3.48E-08	7.86E-09	4.99E-08	7.69E-09	6.51E-09	1.07E-07
1277	489585.89	3859176.54	3.18E-04	3.90E-04	3.42E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.75E-08	8.57E-08	0.00E+00	0.00E+00	3.54E-08	8.01E-09	5.08E-08	7.83E-09	6.63E-09	1.09E-07
1278	489635.89	3859176.54	3.16E-04	3.87E-04	3.40E-04	1.09E-07	3.30E-07	1.91E-07	2.34E-07	2.12E-07	9.68E-08	8.50E-08	0.00E+00	0.00E+00	3.51E-08	7.94E-09	5.04E-08	7.77E-09	6.58E-09	1.08E-07
1279	489685.89	3859176.54	3.13E-04	3.83E-04	3.37E-04	1.08E-07	3.27E-07	1.89E-07	2.32E-07	2.10E-07	9.60E-08	8.43E-08	0.00E+00	0.00E+00	3.48E-08	7.88E-09	5.00E-08	7.71E-09	6.53E-09	1.07E-07
1280	489735.89	3859176.54	3.10E-04	3.80E-04	3.34E-04	1.07E-07	3.24E-07	1.88E-07	2.30E-07	2.08E-07	9.51E-08	8.35E-08	0.00E+00	0.00E+00	3.45E-08	7.81E-09	4.95E-08	7.64E-09	6.47E-09	1.06E-07
1281	489785.89	3859176.54	3.08E-04	3.77E-04	3.31E-04	1.06E-07	3.21E-07	1.86E-07	2.28E-07	2.07E-07	9.43E-08	8.28E-08	0.00E+00	0.00E+00	3.42E-08	7.74E-09	4.91E-08	7.57E-09	6.41E-09	1.05E-07
1282	489835.89	3859176.54	3.05E-04	3.73E-04	3.28E-04	1.06E-07	3.19E-07	1.84E-07	2.26E-07	2.05E-07	9.35E-08	8.21E-08	0.00E+00	0.00E+00	3.39E-08	7.67E-09	4.87E-08	7.50E-09	6.35E-09	1.04E-07
1283	489885.89	3859176.54	3.02E-04	3.70E-04	3.25E-04	1.05E-07	3.16E-07	1.83E-07	2.24E-07	2.03E-07	9.26E-08	8.13E-08	0.00E+00	0.00E+00	3.36E-08	7.60E-09	4.82E-08	7.44E-09	6.30E-09	1.03E-07
1284	489935.89	3859176.54	2.99E-04	3.67E-04	3.22E-04	1.04E-07	3.13E-07	1.81E-07	2.22E-07	2.01E-07	9.18E-08	8.06E-08	0.00E+00	0.00E+00	3.33E-08	7.53E-09	4.78E-08	7.37E-09	6.24E-09	1.02E-07
1285	489985.89	3859176.54	2.97E-04	3.63E-04	3.19E-04	1.03E-07	3.10E-07	1.79E-07	2.20E-07	1.99E-07	9.09E-08	7.98E-08	0.00E+00	0.00E+00	3.30E-08	7.46E-09	4.73E-08	7.30E-09	6.18E-09	1.01E-07
1286	490035.89	3859176.54	2.94E-04	3.60E-04	3.16E-04	1.02E-07	3.07E-07	1.78E-07	2.18E-07	1.98E-07	9.02E-08	7.91E-08	0.00E+00	0.00E+00	3.27E-08	7.40E-09	4.69E-08	7.24E-09	6.13E-09	1.00E-07
1287	489685.89	3859226.54	2.91E-04	3.56E-04	3.13E-04	1.01E-07	3.04E-07	1.76E-07	2.16E-07	1.95E-07	8.92E-08	7.83E-08	0.00E+00	0.00E+00	3.24E-08	7.32E-09	4.64E-08	7.16E-09	6.06E-09	9.94E-08
1288	489735.89	3859226.54	2.89E-04	3.54E-04	3.11E-04	1.00E-07	3.02E-07	1.75E-07	2.14E-07	1.94E-07	8.86E-08	7.78E-08	0.00E+00	0.00E+00	3.22E-08	7.27E-09	4.61E-08	7.12E-09	6.02E-09	9.87E-08
1289	489785.89	3859226.54	2.87E-04	3.52E-04	3.09E-04	9.94E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.80E-08	7.73E-08	0.00E+00	0.00E+00	3.20E-08	7.22E-09	4.58E-08	7.07E-09	5.99E-09	9.81E-08
1290	489835.89	3859226.54	2.85E-04	3.50E-04	3.07E-04	9.88E-08	2.98E-07	1.73E-07	2.11E-07	1.92E-07	8.75E-08	7.68E-08	0.00E+00	0.00E+00	3.18E-08	7.18E-09	4.56E-08	7.02E-09	5.95E-09	9.75E-08
1291	489885.89	3859226.54	2.83E-04	3.47E-04	3.05E-04	9.81E-08	2.96E-07	1.71E-07	2.10E-07	1.90E-07	8.69E-08	7.63E-08	0.00E+00	0.00E+00	3.15E-08	7.13E-09	4.52E-08	6.98E-09	5.91E-09	9.68E-08
1292	489935.89	3859226.54	2.81E-04	3.45E-04	3.03E-04	9.74E-08	2.94E-07	1.70E-07	2.09E-07	1.89E-07	8.63E-08	7.57E-08	0.00E+00	0.00E+00	3.13E-08	7.08E-09	4.49E-08	6.93E-09	5.86E-09	9.61E-08
1293	489985.89	3859226.54	2.79E-04	3.42E-04	3.00E-04	9.66E-08	2.92E-07	1.69E-07	2.07E-07	1.87E-07	8.55E-08	7.51E-08	0.00E+00	0.00E+00	3.11E-08	7.02E-09	4.45E-08	6.87E-09	5.81E-09	9.53E-08
1294	490035.89	3859226.54	2.77E-04	3.39E-04	2.98E-04	9.59E-08	2.90E-07	1.68E-07	2.05E-07	1.86E-07	8.50E-08	7.46E-08	0.00E+00	0.00E+00	3.08E-08	6.97E-09	4.42E-08	6.82E-09	5.77E-09	9.46E-08
1295	489735.89	3859276.54	2.70E-04	3.31E-04	2.90E-04	9.34E-08	2.82E-07	1.63E-07	2.00E-07	1.81E-07	8.28E-08	7.26E-08	0.00E+00	0.00E+00	3.00E-08	6.79E-09	4.31E-08	6.65E-09	5.63E-09	9.22E-08
1296	489785.89	3859276.54	2.69E-04	3.29E-04	2.89E-04	9.30E-08	2.81E-07	1.63E-07	1.99E-07	1.81E-07	8.24E-08	7.23E-08	0.00E+00	0.00E+00	2.99E-08	6.76E-09	4.29E-08	6.62E-09	5.60E-09	9.18E-08
1297	489835.89	3859276.54	2.68E-04	3.28E-04	2.88E-04	9.27E-08	2.80E-07	1.62E-07	1.98E-07	1.80E-07	8.21E-08	7.20E-08	0.00E+00	0.00E+00	2.98E-08	6.73E-09	4.27E-08	6.59E-09	5.58E-09	9.14E-08
1298	489885.89	3859276.54	2.66E-04	3.26E-04	2.86E-04	9.22E-08	2.78E-07	1.61E-07	1.97E-07	1.79E-07	8.16E-08	7.17E-08	0.00E+00	0.00E+00	2.96E-08	6.70E-09	4.25E-08	6.56E-09	5.55E-09	9.10E-08
1299	489935.89	3859276.54	2.65E-04	3.25E-04	2.85E-04	9.17E-08	2.77E-07	1.60E-07	1.96E-07	1.78E-07	8.12E-08	7.13E-08	0.00E+00	0.00E+00	2.95E-08	6.67E-09	4.23E-08	6.52E-09	5.52E-09	9.05E-08
1300	489985.89	3859276.54	2.63E-04	3.22E-04	2.83E-04	9.11E-08	2.75E-07	1.59E-07	1.95E-07	1.77E-07	8.07E-08	7.08E-08	0.00E+00	0.00E+00	2.93E-08	6.62E-09	4.20E-08	6.48E-09	5.49E-09	8.99E-08
1301	490035.89	3859276.54	2.62E-04	3.21E-04	2.81E-04	9.06E-08	2.74E-07	1.58E-07	1.94E-07	1.76E-07	8.02E-08	7.04E-08	0.00E+00	0.00E+00	2.91E-08	6.58E-09	4.18E-08	6.44E-09	5.45E-09	8.94E-08
1302	490458.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.46E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.72E-08	5.02E-08	0.00E+00	0.00E+00	2.08E-08	4.70E-09	2.98E-08	4.60E-09	3.89E-09	6.38E-08
1303	490508.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.47E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.73E-08	5.02E-08	0.00E+00	0.00E+00	2.08E-08	4.70E-09	2.98E-08	4.60E-09	3.89E-09	6.38E-08
1304	490558.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.47E-08	1.95E-07	1.13E-07	1.38E-07	1.26E-07	5.73E-08	5.03E-08	0.00E+00	0.00E+00	2.08E-08	4.70E-09	2.98E-08	4.60E-09	3.89E-09	6.38E-08
1305	490608.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.47E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.73E-08	5.02E-08	0.00E+00	0.00E+00	2.08E-08	4.70E-09	2.98E-08	4.60E-09	3.89E-09	6.38E-08
1306	490658.06	3859590.74	1.87E-04	2.29E-04	2.01E-04	6.46E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.72E-08	5.02E-08	0.00E+00	0.00E+00	2.08E-08	4.69E-09	2.98E-08	4.59E-09	3.89E-09	6.37E-08
1307	490708.06	3859590.74	1.86E-04	2.28E-04	2.00E-04	6.45E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.71E-08	5.01E-08	0.00E+00	0.00E+00	2.07E-08	4.69E-09	2.98E-08	4.59E-09	3.88E-09	6.37E-08
1308	490758.06	3859590.74	1.86E-04	2.28E-04	2.00E-04	6.44E-08	1.94E-07	1.13E-07	1.38E-07	1.25E-07	5.70E-08	5.00E-08	0.00E+00	0.00E+00	2.07E-08	4.68E-09	2.97E-08	4.58E-09	3.87E-09	6.35E-08
1309	490808.06	3859590.74	1.86E-04	2.27E-04	1.99E-04	6.43E-08	1.94E-07	1.12E-07	1.38E-07	1.25E-07	5.69E-08	4.99E-08	0.00E+00	0.00E+00	2.07E-08	4.67E-09	2.96E-08	4.57E-09	3.87E-09	6.34E-08
1310	490858.06	3859590.74	1.85E-04	2.27E-04	1.99E-04	6.41E-08	1.94E-07	1.12E-07	1.37E-07	1.24E-07	5.68E-08	4.98E-08	0.00E+00	0.00E+00	2.06E-08	4.66E-09	2.96E-08	4.56E-09	3.86E-09	6.33E-08
1311	490458.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.18E-08	1.87E-07	1.08E-07	1.32E-07	1.20E-07	5.47E-08	4.80E-08	0.00E+00	0.00E+00	1.99E-08	4.49E-09	2.85E-08	4.39E-09	3.72E-09	6.10E-08
1312	490508.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.18E-08	1.87E-07	1.08E-07	1.32E-07	1.20E-07	5.48E-08	4.80E-08	0.00E+00	0.00E+00	1.99E-08	4.49E-09	2.85E-08	4.40E-09	3.72E-09	6.10E-08
1313	490558.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.19E-08	1.87E-07	1.08E-07	1.32E-07	1.20E-07	5.48E-08	4.81E-08	0.00E+00	0.00E+00	1.99E-08	4.49E-09	2.85E-08	4.40E-09	3.72E-09	6.10E-08
1314	490608.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.20E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.49E-08	4.81E-08	0.00E+00	0.00E+00	1.99E-08	4.50E-09	2.86E-08	4.41E-09	3.73E-09	6.11E-08
1315	490658.06	3859640.74	1.79E-04	2.19E-04	1.93E-04	6.20E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.49E-08	4.82E-08	0.00E+00	0.00E+00	1.99E-08	4.51E-09	2.86E-08	4.41E-09	3.73E-09	6.12E-08
1316	490708.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.20E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.49E-08	4.82E-08	0.00E+00	0.00E+00	1.99E-08	4.51E-09	2.86E-08	4.41E-09	3.73E-09	6.12E-08
1317	490758.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.19E-08	1.87E-07	1.08E-07	1.33E-07	1.20E-07	5.48E-08	4.81E-08	0.00E+00	0.00E+00	1.99E-08	4.50E-09	2.86E-08	4.40E-09	3.73E-09	6.11E-08
1318	490808.06	3859640.74	1.79E-04	2.19E-04	1.92E-04	6.18E-08	1.87E-07	1.08E-07	1.32E-07	1.20E-07	5.48E-08	4.80E-08	0.00E+00	0.00E+00	1.99E-08	4.49E-09	2.85E-08	4.40E-09	3.72E-09	6.10E-08
1319	490858.06	3859640.74	1.78E-04	2.19E-04	1.92E-04	6.18E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.47E-08	4.80E-08	0.00E+00	0.00E+00	1.99E-08	4.49E-09	2.85E-08	4.39E-09	3.71E-09	6.09E-08
1320	490608.06	3859690.74	1.71E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.61E-08	0.00E+00	0.00E+00	1.91E-08	4.31E-09	2.74E-08	4.22E-09	3.57E-09	5.86E-08
1321	490658.06	3859690.74	1.72E-04	2.11E-04	1.85E-04	5.95E-08	1.80E-07	1.04E-07	1.27E-07	1.16E-07	5.27E-08	4.62E-08	0.00E+00	0.00E+00	1.91E-08	4.33E-09	2.75E-08	4.23E-09	3.58E-09	5.87E-08
1322	490708.06	3859690.74	1.72E-04	2.11E-04	1.85E-04	5.96E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.28E-08	4.63E-08	0.00E+00	0.00E+00	1.92E-08	4.33E-09	2.75E-08	4.24E-09	3.58E-09	5.88E-08
1323	490758.06	3859690.74	1.72E-04	2.11E-04	1.85E-04	5.96E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.28E-08	4.63E-08	0.00E+00	0.00E+00	1.92E-08	4.33E-09	2.75E-08	4.24E-09	3.58E-09	5.88E-08
1324	490808.06	3859690.74	1.72E-04	2.11E-04	1.85E-04	5.95E-08	1.80E-07	1.04E-07	1.27E-07	1.16E-07	5.27E-08	4.62E-08	0.00E+00	0.00E+00	1.91E-08	4.33E-09	2.75E-08	4.23E-09	3.58E-09	5.87E-08
1325	490858.06	3859690.74	1.72E-04	2.10E-04	1.85E-04	5.95E-08	1.80E-07	1.04E-07	1.27E-07	1.15E-07	5.27E-08	4.62E-08	0.00E+00	0.00E+00	1.91E-08	4.32E-09	2.74E-08	4.23E-09	3.58E-09	5.87E-08
1326	490708.06	3859740.74	1.65E-04	2.02E-04	1.77E-04	5.72E-08	1.73E-07	9.99E-08	1.22E-07	1.11E-07	5.06E-08	4.44E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.44E-09	5.64E-08
1327	490758.06	3859740.74	1.65E-04	2.02E-04	1.78E-04	5.72E-08	1.73E-07	1.00E-07	1.22E-07	1.11E-07	5.07E-08	4.44E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.44E-09	5.64E-08

1328	490808.06	3859740.74	1.65E-04	2.03E-04	1.78E-04	5.72E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.45E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.44E-09	5.65E-08
1329	490858.06	3859740.74	1.65E-04	2.02E-04	1.78E-04	5.72E-08	1.73E-07	1.00E-07	1.22E-07	1.11E-07	5.07E-08	4.44E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.44E-09	5.64E-08
1330	490786.56	3859749.39	1.64E-04	2.01E-04	1.76E-04	5.68E-08	1.72E-07	9.93E-08	1.22E-07	1.10E-07	5.03E-08	4.41E-08	0.00E+00	0.00E+00	1.83E-08	4.13E-09	2.62E-08	4.04E-09	3.42E-09	5.61E-08
1331	490836.56	3859749.39	1.64E-04	2.01E-04	1.76E-04	5.68E-08	1.72E-07	9.93E-08	1.22E-07	1.10E-07	5.03E-08	4.41E-08	0.00E+00	0.00E+00	1.83E-08	4.13E-09	2.62E-08	4.04E-09	3.42E-09	5.61E-08
1332	490786.56	3859799.39	1.57E-04	1.93E-04	1.69E-04	5.45E-08	1.65E-07	9.53E-08	1.17E-07	1.06E-07	4.83E-08	4.23E-08	0.00E+00	0.00E+00	1.75E-08	3.96E-09	2.51E-08	3.88E-09	3.28E-09	5.38E-08
1333	490836.56	3859799.39	1.58E-04	1.93E-04	1.69E-04	5.46E-08	1.65E-07	9.54E-08	1.17E-07	1.06E-07	4.83E-08	4.24E-08	0.00E+00	0.00E+00	1.76E-08	3.97E-09	2.52E-08	3.88E-09	3.28E-09	5.39E-08
1334	492307.84	3854508.36	2.36E-04	2.89E-04	2.54E-04	8.17E-08	2.47E-07	1.43E-07	1.75E-07	1.59E-07	7.23E-08	6.35E-08	0.00E+00	0.00E+00	2.63E-08	5.94E-09	3.77E-08	5.81E-09	4.91E-09	8.06E-08
1335	486445.7	3854753.6	6.65E-04	8.15E-04	7.12E-04	2.30E-07	6.95E-07	4.03E-07	4.93E-07	4.47E-07	2.04E-07	1.78E-07	0.00E+00	0.00E+00	7.41E-08	1.67E-08	1.06E-07	1.64E-08	1.38E-08	2.27E-07
1336	472599.75	3877830.11	6.35E-06	7.78E-06	6.83E-06	2.20E-09	6.64E-09	3.84E-09	4.71E-09	4.27E-09	1.95E-09	1.71E-09	0.00E+00	0.00E+00	7.07E-10	1.60E-10	1.01E-09	1.56E-10	1.32E-10	2.17E-09
1337	493107.48	3866840.19	1.98E-05	2.42E-05	2.12E-05	6.85E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.07E-09	5.32E-09	0.00E+00	0.00E+00	2.20E-09	4.98E-10	3.16E-09	4.87E-10	4.12E-10	6.76E-09
1338	495815.8	3861662.87	6.10E-05	7.47E-05	6.54E-05	2.11E-08	6.37E-08	3.69E-08	4.52E-08	4.10E-08	1.87E-08	1.64E-08	0.00E+00	0.00E+00	6.79E-09	1.53E-09	9.73E-09	1.50E-09	1.27E-09	2.08E-08
1339	480272.33	3841389.2	2.09E-06	2.55E-06	2.24E-06	7.22E-10	2.18E-09	1.26E-09	1.55E-09	1.40E-09	6.39E-10	5.61E-10	0.00E+00	0.00E+00	2.32E-10	5.25E-11	3.33E-10	5.13E-11	4.34E-11	7.12E-10
1340	497005.18	3862813.64	4.25E-05	5.21E-05	4.57E-05	1.47E-08	4.45E-08	2.57E-08	3.15E-08	2.86E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.74E-09	1.07E-09	6.79E-09	1.05E-09	8.85E-10	1.45E-08
1341	493677.33	3860302.55	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.86E-08	8.40E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
1342	493727.33	3860302.55	1.13E-04	1.39E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.81E-08	2.78E-09	2.35E-09	3.86E-08
1343	493777.33	3860302.55	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.37E-08	7.58E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
1344	493827.33	3860302.55	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
1345	493877.33	3860302.55	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.17E-07	6.80E-08	8.33E-08	7.55E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.79E-08	2.77E-09	2.34E-09	3.84E-08
1346	493927.33	3860302.55	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
1347	493977.33	3860302.55	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.53E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
1348	494027.33	3860302.55	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.33E-09	3.82E-08
1349	493677.33	3860352.55	1.11E-04	1.36E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.21E-08	7.44E-08	3.39E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.30E-09	3.78E-08
1350	493727.33	3860352.55	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
1351	493777.33	3860352.55	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.67E-08	8.17E-08	7.40E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
1352	493827.33	3860352.55	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	0.00E+00	0.00E+00	1.22E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
1353	493877.33	3860352.55	1.10E-04	1.35E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.71E-09	2.29E-09	3.75E-08
1354	493927.33	3860352.55	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.75E-08
1355	493977.33	3860352.55	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.75E-08
1356	494027.33	3860352.55	1.09E-04	1.34E-04	1.18E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.28E-09	3.74E-08
1357	493677.33	3860402.55	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.00E-08	7.26E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.72E-08	2.66E-09	2.25E-09	3.69E-08
1358	493727.33	3860402.55	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.30E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
1359	493777.33	3860402.55	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
1360	493827.33	3860402.55	1.08E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.22E-08	3.30E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.70E-09	1.72E-08	2.65E-09	2.24E-09	3.67E-08
1361	493877.33	3860402.55	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.49E-08	7.95E-08	7.21E-08	3.29E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.66E-08
1362	493927.33	3860402.55	1.07E-04	1.31E-04	1.15E-04	3.72E-08	1.12E-07	6.49E-08	7.95E-08	7.21E-08	3.29E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.66E-08
1363	493977.33	3860402.55	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.21E-08	3.29E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.67E-08
1364	494027.33	3860402.55	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.48E-08	7.94E-08	7.20E-08	3.28E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.64E-09	2.23E-09	3.66E-08
1365	493677.33	3860452.55	1.06E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.39E-08	7.82E-08	7.09E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.60E-09	2.20E-09	3.60E-08
1366	493727.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.37E-08	7.80E-08	7.07E-08	3.22E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
1367	493777.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.78E-08	7.06E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
1368	493827.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.78E-08	7.06E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
1369	493877.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.78E-08	7.05E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.58E-09	2.18E-09	3.58E-08
1370	493927.33	3860452.55	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
1371	493977.33	3860452.55	1.05E-04	1.28E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.77E-08	7.05E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
1372	494027.33	3860452.55	1.05E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.76E-08	7.03E-08	3.21E-08	2.81E-08	0.00E+00	0.00E+00	1.17E-08	2.63E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
1373	493677.33	3860502.55	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.23E-08	7.64E-08	6.92E-08	3.16E-08	2.77E-08	0.00E+00	0.00E+00	1.15E-08	2.59E-09	1.64E-08	2.54E-09	2.14E-09	3.52E-08
1374	493727.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.62E-08	6.91E-08	3.15E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.59E-09	1.64E-08	2.53E-09	2.14E-09	3.51E-08
1375	493777.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.53E-09	2.14E-09	3.51E-08
1376	493827.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.60E-08	6.89E-08	3.14E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.52E-09	2.13E-09	3.50E-08
1377	493877.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.60E-08	6.89E-08	3.14E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.52E-09	2.13E-09	3.50E-08
1378	493927.33	3860502.55	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.53E-09	2.14E-09	3.51E-08
1379	493977.33	3860502.55	1.02E-04	1.25E-04	1.10E-04	3.55E-08	1.07E-07	6.20E-08	7.59E-08	6.88E-08	3.14E-08	2.75E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.52E-09	2.13E-09	3.50E-08
1380	494027.33	3860502.55	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.19E-08	7.58E-08	6.87E-08	3.14E-08	2.75E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.52E-09	2.13E-09	3.49E-08
1381	493627.33	3860552.55	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.09E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.09E-09	3.44E-08
1382	493677.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.08E-08	7.44E-08	6.75E-08	3.08E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.60E-08	2.47E-09	2.09E-09	3.43E-08
1383	493727.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.09E-09	3.42E-08
1384	493777.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.06E-08	7.43E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.08E-09	3.42E-08
1385	493827.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.09E-09	3.42E-08

1386	493877.33	3860552.55	1.00E-04	1.23E-04	1.07E-04	3.47E-08	1.05E-07	6.06E-08	7.42E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.52E-09	1.60E-08	2.46E-09	2.08E-09	3.42E-08
1387	493927.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.06E-08	7.42E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.52E-09	1.60E-08	2.47E-09	2.08E-09	3.42E-08
1388	493977.33	3860552.55	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.06E-08	7.43E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.08E-09	3.42E-08
1389	494027.33	3860552.55	1.00E-04	1.22E-04	1.07E-04	3.46E-08	1.05E-07	6.05E-08	7.41E-08	6.72E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.52E-09	1.60E-08	2.46E-09	2.08E-09	3.42E-08
1390	493627.33	3860602.55	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.94E-08	7.28E-08	6.60E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.04E-09	3.35E-08
1391	493727.33	3860602.55	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.56E-08	2.99E-08	2.62E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.40E-09	2.03E-09	3.34E-08
1392	493777.33	3860602.55	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.04E-09	3.34E-08
1393	493827.33	3860602.55	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.03E-09	3.34E-08
1394	493877.33	3860602.55	9.79E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.04E-09	3.34E-08
1395	493927.33	3860602.55	9.79E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.04E-09	3.34E-08
1396	493977.33	3860602.55	9.79E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.04E-09	3.34E-08
1397	494027.33	3860602.55	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.03E-09	3.34E-08
1398	493627.33	3860652.55	9.57E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.07E-08	2.41E-09	1.53E-08	2.36E-09	1.99E-09	3.27E-08
1399	493727.33	3860652.55	9.53E-05	1.17E-04	1.02E-04	3.30E-08	9.96E-08	5.76E-08	7.06E-08	6.40E-08	2.92E-08	2.56E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.52E-08	2.35E-09	1.98E-09	3.25E-08
1400	493777.33	3860652.55	9.54E-05	1.17E-04	1.02E-04	3.30E-08	9.97E-08	5.77E-08	7.07E-08	6.41E-08	2.92E-08	2.56E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.52E-08	2.35E-09	1.98E-09	3.26E-08
1401	493827.33	3860652.55	9.55E-05	1.17E-04	1.03E-04	3.31E-08	9.98E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.52E-08	2.35E-09	1.99E-09	3.26E-08
1402	493877.33	3860652.55	9.56E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.42E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.41E-09	1.53E-08	2.35E-09	1.99E-09	3.27E-08
1403	493927.33	3860652.55	9.56E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.42E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.41E-09	1.53E-08	2.35E-09	1.99E-09	3.27E-08
1404	493977.33	3860652.55	9.56E-05	1.17E-04	1.03E-04	3.31E-08	9.99E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.53E-08	2.35E-09	1.99E-09	3.26E-08
1405	494027.33	3860652.55	9.57E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.41E-09	1.53E-08	2.35E-09	1.99E-09	3.27E-08
1406	494311.06	3858401.99	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.76E-08	9.51E-08	8.62E-08	3.93E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.23E-09	2.05E-08	3.16E-09	2.67E-09	4.38E-08
1407	494361.06	3858401.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.34E-08	8.46E-08	3.86E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
1408	494411.06	3858401.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.39E-08	3.13E-09	1.99E-08	3.06E-09	2.59E-09	4.25E-08
1409	494461.06	3858401.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
1410	494511.06	3858401.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.28E-07	7.38E-08	9.04E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.17E-08
1411	494561.06	3858401.99	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
1412	494611.06	3858401.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.85E-08	8.03E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
1413	494661.06	3858401.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.14E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.91E-09	2.46E-09	4.03E-08
1414	494711.06	3858401.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
1415	494761.06	3858401.99	1.15E-04	1.41E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.51E-08	7.71E-08	3.52E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.82E-09	2.39E-09	3.92E-08
1416	494811.06	3858401.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.84E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.78E-09	2.35E-09	3.86E-08
1417	494861.06	3858401.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.50E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
1418	494911.06	3858401.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.67E-08	8.17E-08	7.41E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.77E-08
1419	494961.06	3858401.99	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.58E-08	8.06E-08	7.31E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.26E-09	3.71E-08
1420	495011.06	3858401.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.46E-08	7.92E-08	7.18E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.70E-08	2.63E-09	2.22E-09	3.65E-08
1421	495061.06	3858401.99	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.37E-08	7.81E-08	7.08E-08	3.23E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.59E-09	2.19E-09	3.60E-08
1422	495111.06	3858401.99	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.20E-08	7.60E-08	6.89E-08	3.14E-08	2.75E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.52E-09	2.13E-09	3.50E-08
1423	495161.06	3858401.99	1.02E-04	1.25E-04	1.10E-04	3.53E-08	1.07E-07	6.17E-08	7.56E-08	6.86E-08	3.13E-08	2.74E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.51E-09	2.12E-09	3.48E-08
1424	495211.06	3858401.99	9.96E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.38E-08	6.69E-08	3.05E-08	2.68E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.45E-09	2.07E-09	3.40E-08
1425	495261.06	3858401.99	9.83E-05	1.20E-04	1.06E-04	3.40E-08	1.03E-07	5.95E-08	7.29E-08	6.61E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.05E-09	3.36E-08
1426	495311.06	3858401.99	9.70E-05	1.19E-04	1.04E-04	3.36E-08	1.01E-07	5.87E-08	7.19E-08	6.52E-08	2.97E-08	2.61E-08	0.00E+00	0.00E+00	1.08E-08	2.44E-09	1.55E-08	2.39E-09	2.02E-09	3.31E-08
1427	495361.06	3858401.99	9.61E-05	1.18E-04	1.03E-04	3.33E-08	1.00E-07	5.81E-08	7.12E-08	6.45E-08	2.94E-08	2.58E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.53E-08	2.36E-09	2.00E-09	3.28E-08
1428	495411.06	3858401.99	9.56E-05	1.17E-04	1.03E-04	3.31E-08	9.99E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.53E-08	2.35E-09	1.99E-09	3.26E-08
1429	495461.06	3858401.99	9.52E-05	1.17E-04	1.02E-04	3.30E-08	9.95E-08	5.76E-08	7.06E-08	6.40E-08	2.92E-08	2.56E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.52E-08	2.34E-09	1.98E-09	3.25E-08
1430	495511.06	3858401.99	9.47E-05	1.16E-04	1.02E-04	3.28E-08	9.90E-08	5.73E-08	7.02E-08	6.36E-08	2.90E-08	2.55E-08	0.00E+00	0.00E+00	1.05E-08	2.38E-09	1.51E-08	2.33E-09	1.97E-09	3.24E-08
1431	495561.06	3858401.99	9.35E-05	1.15E-04	1.00E-04	3.24E-08	9.77E-08	5.66E-08	6.93E-08	6.28E-08	2.87E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.95E-09	3.19E-08
1432	495611.06	3858401.99	9.31E-05	1.14E-04	9.99E-05	3.22E-08	9.73E-08	5.63E-08	6.90E-08	6.25E-08	2.85E-08	2.50E-08	0.00E+00	0.00E+00	1.04E-08	2.34E-09	1.49E-08	2.29E-09	1.94E-09	3.18E-08
1433	495661.06	3858401.99	9.37E-05	1.15E-04	1.01E-04	3.24E-08	9.79E-08	5.67E-08	6.94E-08	6.29E-08	2.87E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.49E-08	2.31E-09	1.95E-09	3.20E-08
1434	494311.06	3858451.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.79E-08	4.01E-08	3.52E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
1435	494361.06	3858451.99	1.29E-04	1.58E-04	1.38E-04	4.47E-08	1.35E-07	7.81E-08	9.56E-08	8.67E-08	3.95E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.68E-09	4.41E-08
1436	494411.06	3858451.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.44E-08	8.56E-08	3.91E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.03E-08	3.14E-09	2.65E-09	4.35E-08
1437	494461.06	3858451.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.63E-08	9.34E-08	8.47E-08	3.86E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
1438	494511.06	3858451.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.28E-08	8.41E-08	3.84E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.60E-09	4.28E-08
1439	494561.06	3858451.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.29E-08	3.78E-08	3.32E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.57E-09	4.21E-08
1440	494611.06	3858451.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
1441	494661.06	3858451.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.30E-08	8.94E-08	8.11E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
1442	494711.06	3858451.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.92E-09	2.47E-09	4.06E-08
1443	494761.06	3858451.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.43E-09	3.99E-08

1444	494811.06	3858451.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
1445	494861.06	3858451.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.88E-08	8.43E-08	7.64E-08	3.49E-08	3.05E-08	0.00E+00	0.00E+00	1.27E-08	2.86E-09	1.82E-08	2.80E-09	2.37E-09	3.88E-08
1446	494911.06	3858451.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.82E-08
1447	494961.06	3858451.99	1.10E-04	1.35E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.29E-09	3.75E-08
1448	495011.06	3858451.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
1449	495061.06	3858451.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.22E-09	3.65E-08
1450	495111.06	3858451.99	1.05E-04	1.29E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.78E-08	7.05E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
1451	495161.06	3858451.99	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.53E-09	2.14E-09	3.51E-08
1452	495211.06	3858451.99	1.01E-04	1.23E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.47E-08	6.77E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.10E-09	3.44E-08
1453	495261.06	3858451.99	9.95E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.02E-08	7.37E-08	6.68E-08	3.05E-08	2.67E-08	0.00E+00	0.00E+00	1.11E-08	2.50E-09	1.59E-08	2.45E-09	2.07E-09	3.40E-08
1454	495311.06	3858451.99	9.84E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.61E-08	3.02E-08	2.64E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.42E-09	2.05E-09	3.36E-08
1455	495361.06	3858451.99	9.76E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.90E-08	7.23E-08	6.56E-08	2.99E-08	2.62E-08	0.00E+00	0.00E+00	1.09E-08	2.45E-09	1.56E-08	2.40E-09	2.03E-09	3.33E-08
1456	495411.06	3858451.99	9.72E-05	1.19E-04	1.04E-04	3.36E-08	1.02E-07	5.88E-08	7.20E-08	6.53E-08	2.98E-08	2.61E-08	0.00E+00	0.00E+00	1.08E-08	2.44E-09	1.55E-08	2.39E-09	2.02E-09	3.32E-08
1457	495461.06	3858451.99	9.69E-05	1.19E-04	1.04E-04	3.35E-08	1.01E-07	5.86E-08	7.18E-08	6.51E-08	2.97E-08	2.60E-08	0.00E+00	0.00E+00	1.08E-08	2.44E-09	1.55E-08	2.39E-09	2.02E-09	3.31E-08
1458	495511.06	3858451.99	9.59E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.80E-08	7.11E-08	6.44E-08	2.94E-08	2.58E-08	0.00E+00	0.00E+00	1.07E-08	2.41E-09	1.53E-08	2.36E-09	1.99E-09	3.27E-08
1459	495561.06	3858451.99	9.60E-05	1.18E-04	1.03E-04	3.32E-08	1.00E-07	5.81E-08	7.11E-08	6.45E-08	2.94E-08	2.58E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.53E-08	2.36E-09	2.00E-09	3.28E-08
1460	495611.06	3858451.99	9.48E-05	1.16E-04	1.02E-04	3.28E-08	9.90E-08	5.73E-08	7.02E-08	6.37E-08	2.90E-08	2.55E-08	0.00E+00	0.00E+00	1.05E-08	2.38E-09	1.51E-08	2.33E-09	1.97E-09	3.24E-08
1461	495661.06	3858451.99	9.46E-05	1.16E-04	1.02E-04	3.28E-08	9.89E-08	5.72E-08	7.01E-08	6.36E-08	2.90E-08	2.54E-08	0.00E+00	0.00E+00	1.05E-08	2.38E-09	1.51E-08	2.33E-09	1.97E-09	3.23E-08
1462	494311.06	3858501.99	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.93E-08	9.72E-08	8.81E-08	4.02E-08	3.52E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.09E-08	3.23E-09	2.73E-09	4.48E-08
1463	494361.06	3858501.99	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.86E-08	9.63E-08	8.73E-08	3.98E-08	3.49E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.07E-08	3.20E-09	2.70E-09	4.44E-08
1464	494411.06	3858501.99	1.28E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.77E-08	9.52E-08	8.63E-08	3.94E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.23E-09	2.05E-08	3.16E-09	2.67E-09	4.39E-08
1465	494461.06	3858501.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.45E-08	8.57E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.65E-09	4.36E-08
1466	494511.06	3858501.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.01E-08	3.09E-09	2.61E-09	4.29E-08
1467	494561.06	3858501.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.32E-08	8.45E-08	3.86E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
1468	494611.06	3858501.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
1469	494661.06	3858501.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.12E-08	8.27E-08	3.77E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.96E-08	3.03E-09	2.56E-09	4.20E-08
1470	494711.06	3858501.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
1471	494761.06	3858501.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	7.99E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.48E-09	4.06E-08
1472	494811.06	3858501.99	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.43E-09	4.00E-08
1473	494861.06	3858501.99	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.54E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
1474	494911.06	3858501.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.37E-08	7.59E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
1475	494961.06	3858501.99	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.49E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
1476	495011.06	3858501.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.93E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
1477	495061.06	3858501.99	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.55E-08	8.03E-08	7.28E-08	3.32E-08	2.91E-08	0.00E+00	0.00E+00	1.21E-08	2.72E-09	1.73E-08	2.67E-09	2.25E-09	3.70E-08
1478	495111.06	3858501.99	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.38E-08	7.82E-08	7.08E-08	3.23E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.60E-09	2.19E-09	3.60E-08
1479	495161.06	3858501.99	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.65E-08	2.55E-09	2.16E-09	3.54E-08
1480	495211.06	3858501.99	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.07E-07	6.17E-08	7.55E-08	6.85E-08	3.12E-08	2.74E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.63E-08	2.51E-09	2.12E-09	3.48E-08
1481	495261.06	3858501.99	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.09E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.09E-09	3.44E-08
1482	495311.06	3858501.99	1.00E-04	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.05E-08	7.41E-08	6.71E-08	3.06E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.60E-08	2.46E-09	2.08E-09	3.41E-08
1483	495361.06	3858501.99	9.93E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.01E-08	7.36E-08	6.67E-08	3.04E-08	2.67E-08	0.00E+00	0.00E+00	1.11E-08	2.50E-09	1.58E-08	2.44E-09	2.07E-09	3.39E-08
1484	495411.06	3858501.99	9.89E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.33E-08	6.64E-08	3.03E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.43E-09	2.06E-09	3.38E-08
1485	495461.06	3858501.99	9.84E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.29E-08	6.61E-08	3.02E-08	2.64E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.42E-09	2.05E-09	3.36E-08
1486	495511.06	3858501.99	9.78E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.03E-09	3.34E-08
1487	495561.06	3858501.99	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.04E-09	3.34E-08
1488	495611.06	3858501.99	9.67E-05	1.18E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.17E-08	6.50E-08	2.96E-08	2.60E-08	0.00E+00	0.00E+00	1.08E-08	2.43E-09	1.54E-08	2.38E-09	2.01E-09	3.30E-08
1489	495661.06	3858501.99	9.66E-05	1.18E-04	1.04E-04	3.34E-08	1.01E-07	5.85E-08	7.16E-08	6.49E-08	2.96E-08	2.60E-08	0.00E+00	0.00E+00	1.08E-08	2.43E-09	1.54E-08	2.38E-09	2.01E-09	3.30E-08
1490	494311.06	3858551.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.54E-08	8.65E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
1491	494361.06	3858551.99	1.30E-04	1.59E-04	1.39E-04	4.48E-08	1.35E-07	7.84E-08	9.60E-08	8.70E-08	3.97E-08	3.48E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.69E-09	4.42E-08
1492	494411.06	3858551.99	1.30E-04	1.60E-04	1.40E-04	4.51E-08	1.36E-07	7.88E-08	9.66E-08	8.75E-08	3.99E-08	3.50E-08	0.00E+00	0.00E+00	1.45E-08	3.28E-09	2.08E-08	3.21E-09	2.71E-09	4.45E-08
1493	494461.06	3858551.99	1.30E-04	1.59E-04	1.39E-04	4.50E-08	1.36E-07	7.86E-08	9.63E-08	8.73E-08	3.98E-08	3.49E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.07E-08	3.20E-09	2.70E-09	4.44E-08
1494	494511.06	3858551.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.55E-08	8.65E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
1495	494561.06	3858551.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.60E-08	3.92E-08	3.44E-08	0.00E+00	0.00E+00	1.42E-08	3.22E-09	2.04E-08	3.15E-09	2.66E-09	4.37E-08
1496	494611.06	3858551.99	1.27E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.66E-08	9.38E-08	8.51E-08	3.88E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.63E-09	4.32E-08
1497	494661.06	3858551.99	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.00E-08	3.09E-09	2.61E-09	4.29E-08
1498	494711.06	3858551.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.29E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.57E-09	4.21E-08
1499	494761.06	3858551.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.98E-09	2.52E-09	4.14E-08
1500	494811.06	3858551.99	1.20E-04	1.47E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.09E-08
1501	494861.06	3858551.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.90E-08	3.60E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.89E-09	2.44E-09	4.01E-08

1502	494911.06	3858551.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.53E-08	7.74E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.83E-09	2.39E-09	3.93E-08
1503	494961.06	3858551.99	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
1504	495011.06	3858551.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.31E-09	3.79E-08
1505	495061.06	3858551.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.28E-09	3.74E-08
1506	495111.06	3858551.99	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
1507	495161.06	3858551.99	1.05E-04	1.28E-04	1.12E-04	3.63E-08	1.09E-07	6.34E-08	7.76E-08	7.04E-08	3.21E-08	2.81E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
1508	495211.06	3858551.99	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.24E-08	7.65E-08	6.93E-08	3.16E-08	2.77E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.54E-09	2.15E-09	3.52E-08
1509	495261.06	3858551.99	1.02E-04	1.25E-04	1.10E-04	3.53E-08	1.07E-07	6.18E-08	7.56E-08	6.86E-08	3.13E-08	2.74E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.51E-09	2.12E-09	3.49E-08
1510	495311.06	3858551.99	1.02E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.53E-08	6.82E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.47E-08
1511	495361.06	3858551.99	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.48E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.48E-09	2.10E-09	3.45E-08
1512	495411.06	3858551.99	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.08E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.09E-09	3.44E-08
1513	495461.06	3858551.99	1.00E-04	1.23E-04	1.07E-04	3.46E-08	1.05E-07	6.05E-08	7.42E-08	6.72E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.52E-09	1.60E-08	2.46E-09	2.08E-09	3.42E-08
1514	495511.06	3858551.99	9.98E-05	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.04E-08	7.40E-08	6.71E-08	3.06E-08	2.68E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.46E-09	2.08E-09	3.41E-08
1515	495561.06	3858551.99	9.93E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.01E-08	7.36E-08	6.67E-08	3.04E-08	2.67E-08	0.00E+00	0.00E+00	1.11E-08	2.50E-09	1.58E-08	2.44E-09	2.07E-09	3.39E-08
1516	495611.06	3858551.99	9.86E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.97E-08	7.31E-08	6.63E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.43E-09	2.05E-09	3.37E-08
1517	495661.06	3858551.99	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.04E-09	3.34E-08
1518	494311.06	3858601.99	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.17E-08
1519	494361.06	3858601.99	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.77E-08	9.51E-08	8.62E-08	3.93E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.23E-09	2.05E-08	3.16E-09	2.67E-09	4.38E-08
1520	494411.06	3858601.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.54E-08
1521	494461.06	3858601.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.01E-08	9.81E-08	8.89E-08	4.06E-08	3.56E-08	0.00E+00	0.00E+00	1.47E-08	3.33E-09	2.11E-08	3.26E-09	2.75E-09	4.52E-08
1522	494511.06	3858601.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.91E-08	9.69E-08	8.78E-08	4.01E-08	3.51E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
1523	494561.06	3858601.99	1.31E-04	1.60E-04	1.40E-04	4.52E-08	1.37E-07	7.91E-08	9.68E-08	8.78E-08	4.01E-08	3.51E-08	0.00E+00	0.00E+00	1.45E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.46E-08
1524	494611.06	3858601.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
1525	494661.06	3858601.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.46E-08	8.57E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.65E-09	4.36E-08
1526	494711.06	3858601.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.01E-08	3.09E-09	2.61E-09	4.29E-08
1527	494761.06	3858601.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.16E-08	8.31E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
1528	494811.06	3858601.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.30E-08	8.95E-08	8.11E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
1529	494861.06	3858601.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
1530	494911.06	3858601.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.42E-09	3.98E-08
1531	494961.06	3858601.99	1.15E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.49E-08	7.69E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
1532	495011.06	3858601.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.84E-08
1533	495061.06	3858601.99	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
1534	495111.06	3858601.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.22E-08	3.29E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.70E-09	1.72E-08	2.65E-09	2.24E-09	3.67E-08
1535	495161.06	3858601.99	1.06E-04	1.30E-04	1.14E-04	3.66E-08	1.11E-07	6.41E-08	7.85E-08	7.11E-08	3.25E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.61E-09	2.20E-09	3.62E-08
1536	495211.06	3858601.99	1.05E-04	1.28E-04	1.13E-04	3.63E-08	1.10E-07	6.34E-08	7.77E-08	7.04E-08	3.21E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
1537	495261.06	3858601.99	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.65E-08	2.55E-09	2.16E-09	3.54E-08
1538	495311.06	3858601.99	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.62E-08	6.91E-08	3.15E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.59E-09	1.64E-08	2.53E-09	2.14E-09	3.51E-08
1539	495361.06	3858601.99	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.19E-08	7.59E-08	6.88E-08	3.14E-08	2.75E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.52E-09	2.13E-09	3.50E-08
1540	495411.06	3858601.99	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.06E-07	6.16E-08	7.55E-08	6.84E-08	3.12E-08	2.74E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.63E-08	2.51E-09	2.12E-09	3.48E-08
1541	495461.06	3858601.99	1.02E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.82E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.47E-08
1542	495511.06	3858601.99	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.08E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.09E-09	3.44E-08
1543	495561.06	3858601.99	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.08E-08	7.45E-08	6.75E-08	3.08E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.60E-08	2.47E-09	2.09E-09	3.43E-08
1544	495611.06	3858601.99	9.95E-05	1.22E-04	1.07E-04	3.44E-08	1.04E-07	6.02E-08	7.37E-08	6.68E-08	3.05E-08	2.67E-08	0.00E+00	0.00E+00	1.11E-08	2.50E-09	1.59E-08	2.45E-09	2.07E-09	3.40E-08
1545	495661.06	3858601.99	9.92E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	6.00E-08	7.35E-08	6.66E-08	3.04E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.44E-09	2.06E-09	3.39E-08
1546	494311.06	3858651.99	1.21E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.30E-08	8.94E-08	8.10E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.97E-09	2.51E-09	4.12E-08
1547	494361.06	3858651.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.32E-07	7.67E-08	9.39E-08	8.51E-08	3.88E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
1548	494411.06	3858651.99	1.34E-04	1.64E-04	1.43E-04	4.63E-08	1.40E-07	8.09E-08	9.91E-08	8.98E-08	4.10E-08	3.59E-08	0.00E+00	0.00E+00	1.49E-08	3.36E-09	2.13E-08	3.29E-09	2.78E-09	4.57E-08
1549	494461.06	3858651.99	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.12E-08	9.95E-08	9.02E-08	4.11E-08	3.61E-08	0.00E+00	0.00E+00	1.49E-08	3.38E-09	2.14E-08	3.30E-09	2.79E-09	4.58E-08
1550	494511.06	3858651.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.06E-08	9.87E-08	8.94E-08	4.08E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.13E-08	3.28E-09	2.77E-09	4.55E-08
1551	494561.06	3858651.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.01E-08	9.81E-08	8.90E-08	4.06E-08	3.56E-08	0.00E+00	0.00E+00	1.47E-08	3.33E-09	2.11E-08	3.26E-09	2.75E-09	4.52E-08
1552	494611.06	3858651.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.73E-08	8.82E-08	4.03E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.10E-08	3.23E-09	2.73E-09	4.49E-08
1553	494661.06	3858651.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.61E-08	8.71E-08	3.98E-08	3.48E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.70E-09	4.43E-08
1554	494711.06	3858651.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.44E-08	8.56E-08	3.91E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.03E-08	3.14E-09	2.65E-09	4.35E-08
1555	494761.06	3858651.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.01E-08	3.09E-09	2.61E-09	4.29E-08
1556	494811.06	3858651.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.44E-08	9.12E-08	8.27E-08	3.77E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.96E-08	3.03E-09	2.56E-09	4.20E-08
1557	494861.06	3858651.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.30E-08	8.94E-08	8.11E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
1558	494911.06	3858651.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.14E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.45E-09	4.03E-08
1559	494961.06	3858651.99	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08

1560	495011.06	3858651.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.65E-08	3.49E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.86E-09	1.82E-08	2.80E-09	2.37E-09	3.89E-08
1561	495061.06	3858651.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.82E-08
1562	495111.06	3858651.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.62E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.27E-09	3.73E-08
1563	495161.06	3858651.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.30E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
1564	495211.06	3858651.99	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.85E-08	7.12E-08	3.25E-08	2.85E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.69E-08	2.61E-09	2.20E-09	3.62E-08
1565	495261.06	3858651.99	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.38E-08	7.82E-08	7.09E-08	3.23E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.60E-09	2.19E-09	3.60E-08
1566	495311.06	3858651.99	1.05E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.75E-08	7.03E-08	3.21E-08	2.81E-08	0.00E+00	0.00E+00	1.16E-08	2.63E-09	1.67E-08	2.57E-09	2.18E-09	3.57E-08
1567	495361.06	3858651.99	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.30E-08	7.71E-08	6.99E-08	3.19E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
1568	495411.06	3858651.99	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.66E-08	2.55E-09	2.16E-09	3.54E-08
1569	495461.06	3858651.99	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.65E-08	2.55E-09	2.16E-09	3.54E-08
1570	495511.06	3858651.99	1.03E-04	1.26E-04	1.10E-04	3.55E-08	1.07E-07	6.21E-08	7.60E-08	6.89E-08	3.14E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.53E-09	2.13E-09	3.50E-08
1571	495561.06	3858651.99	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.06E-07	6.16E-08	7.55E-08	6.84E-08	3.12E-08	2.74E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.63E-08	2.51E-09	2.12E-09	3.48E-08
1572	495611.06	3858651.99	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.09E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.09E-09	3.44E-08
1573	495661.06	3858651.99	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.09E-09	3.43E-08
1574	494311.06	3858701.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
1575	494361.06	3858701.99	1.31E-04	1.60E-04	1.40E-04	4.52E-08	1.36E-07	7.90E-08	9.68E-08	8.77E-08	4.00E-08	3.51E-08	0.00E+00	0.00E+00	1.45E-08	3.29E-09	2.08E-08	3.21E-09	2.72E-09	4.46E-08
1576	494411.06	3858701.99	1.35E-04	1.66E-04	1.45E-04	4.69E-08	1.41E-07	8.19E-08	1.00E-07	9.09E-08	4.15E-08	3.64E-08	0.00E+00	0.00E+00	1.51E-08	3.41E-09	2.16E-08	3.33E-09	2.82E-09	4.62E-08
1577	494461.06	3858701.99	1.35E-04	1.66E-04	1.45E-04	4.68E-08	1.41E-07	8.18E-08	1.00E-07	9.09E-08	4.15E-08	3.63E-08	0.00E+00	0.00E+00	1.51E-08	3.40E-09	2.16E-08	3.33E-09	2.81E-09	4.62E-08
1578	494511.06	3858701.99	1.35E-04	1.65E-04	1.45E-04	4.67E-08	1.41E-07	8.17E-08	1.00E-07	9.07E-08	4.14E-08	3.63E-08	0.00E+00	0.00E+00	1.50E-08	3.40E-09	2.15E-08	3.32E-09	2.81E-09	4.61E-08
1579	494561.06	3858701.99	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.11E-08	9.93E-08	9.00E-08	4.11E-08	3.60E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.30E-09	2.79E-09	4.57E-08
1580	494611.06	3858701.99	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.94E-08	9.73E-08	8.82E-08	4.02E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.10E-08	3.23E-09	2.73E-09	4.48E-08
1581	494661.06	3858701.99	1.31E-04	1.60E-04	1.41E-04	4.53E-08	1.37E-07	7.93E-08	9.71E-08	8.80E-08	4.02E-08	3.52E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
1582	494711.06	3858701.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.61E-09	4.28E-08
1583	494761.06	3858701.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.65E-08	9.37E-08	8.49E-08	3.87E-08	3.39E-08	0.00E+00	0.00E+00	1.41E-08	3.18E-09	2.02E-08	3.11E-09	2.63E-09	4.32E-08
1584	494811.06	3858701.99	1.24E-04	1.52E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.32E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.98E-08	3.05E-09	2.57E-09	4.23E-08
1585	494861.06	3858701.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	3.00E-09	2.53E-09	4.16E-08
1586	494911.06	3858701.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.89E-08	8.05E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.02E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
1587	494961.06	3858701.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.82E-08	3.57E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.93E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
1588	495011.06	3858701.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.90E-08	8.46E-08	7.67E-08	3.50E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.90E-08
1589	495061.06	3858701.99	1.13E-04	1.39E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.81E-08	2.78E-09	2.35E-09	3.86E-08
1590	495111.06	3858701.99	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
1591	495161.06	3858701.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.09E-08	7.34E-08	3.35E-08	2.93E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
1592	495211.06	3858701.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.22E-08	3.29E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.70E-09	1.72E-08	2.64E-09	2.23E-09	3.67E-08
1593	495261.06	3858701.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.93E-08	7.19E-08	3.28E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.23E-09	3.65E-08
1594	495311.06	3858701.99	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
1595	495361.06	3858701.99	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.85E-08	7.11E-08	3.25E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.61E-09	2.20E-09	3.62E-08
1596	495411.06	3858701.99	1.06E-04	1.30E-04	1.13E-04	3.66E-08	1.11E-07	6.40E-08	7.84E-08	7.10E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.60E-09	2.20E-09	3.61E-08
1597	495461.06	3858701.99	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.37E-08	7.80E-08	7.07E-08	3.22E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
1598	495511.06	3858701.99	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.32E-08	7.74E-08	7.01E-08	3.20E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.63E-09	1.67E-08	2.57E-09	2.17E-09	3.56E-08
1599	495561.06	3858701.99	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.25E-08	7.66E-08	6.94E-08	3.17E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.54E-09	2.15E-09	3.53E-08
1600	495611.06	3858701.99	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.19E-08	7.58E-08	6.87E-08	3.14E-08	2.75E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.52E-09	2.13E-09	3.49E-08
1601	495661.06	3858701.99	1.02E-04	1.25E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.54E-08	6.83E-08	3.12E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.62E-08	2.50E-09	2.12E-09	3.47E-08
1602	494311.06	3858751.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
1603	494361.06	3858751.99	1.34E-04	1.64E-04	1.44E-04	4.63E-08	1.40E-07	8.10E-08	9.92E-08	8.99E-08	4.10E-08	3.59E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.29E-09	2.78E-09	4.57E-08
1604	494411.06	3858751.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.44E-07	8.31E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.38E-09	2.86E-09	4.69E-08
1605	494461.06	3858751.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.21E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.38E-09	2.85E-09	4.68E-08
1606	494511.06	3858751.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.22E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.38E-09	2.85E-09	4.69E-08
1607	494561.06	3858751.99	1.36E-04	1.66E-04	1.46E-04	4.69E-08	1.42E-07	8.21E-08	1.00E-07	9.11E-08	4.16E-08	3.64E-08	0.00E+00	0.00E+00	1.51E-08	3.41E-09	2.16E-08	3.34E-09	2.82E-09	4.63E-08
1608	494611.06	3858751.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.39E-07	8.07E-08	9.89E-08	8.96E-08	4.09E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.36E-09	2.13E-08	3.28E-09	2.77E-09	4.56E-08
1609	494661.06	3858751.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.79E-08	8.87E-08	4.05E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.75E-09	4.51E-08
1610	494711.06	3858751.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.55E-08	8.65E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
1611	494761.06	3858751.99	1.28E-04	1.57E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.15E-09	2.66E-09	4.36E-08
1612	494811.06	3858751.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.56E-08	9.26E-08	8.40E-08	3.83E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.08E-09	2.60E-09	4.27E-08
1613	494861.06	3858751.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.18E-08
1614	494911.06	3858751.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
1615	494961.06	3858751.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.91E-08	3.61E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
1616	495011.06	3858751.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.83E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.42E-09	3.98E-08
1617	495061.06	3858751.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08

1618	495111.06	3858751.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
1619	495161.06	3858751.99	1.11E-04	1.36E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.21E-08	7.44E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.30E-09	3.78E-08
1620	495211.06	3858751.99	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.08E-08	7.32E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
1621	495261.06	3858751.99	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.56E-08	8.04E-08	7.29E-08	3.32E-08	2.91E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.70E-08
1622	495311.06	3858751.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.72E-08	2.66E-09	2.25E-09	3.69E-08
1623	495361.06	3858751.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.21E-08	3.29E-08	2.88E-08	0.00E+00	0.00E+00	1.20E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.67E-08
1624	495411.06	3858751.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.21E-08	3.29E-08	2.88E-08	0.00E+00	0.00E+00	1.20E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.67E-08
1625	495461.06	3858751.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.46E-08	7.92E-08	7.18E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.22E-09	3.65E-08
1626	495511.06	3858751.99	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.86E-08	7.12E-08	3.25E-08	2.85E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.69E-08	2.61E-09	2.20E-09	3.62E-08
1627	495561.06	3858751.99	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.35E-08	7.78E-08	7.06E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.59E-09	2.18E-09	3.59E-08
1628	495611.06	3858751.99	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.30E-08	7.71E-08	6.99E-08	3.19E-08	2.79E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
1629	495661.06	3858751.99	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.25E-08	7.66E-08	6.94E-08	3.17E-08	2.77E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.54E-09	2.15E-09	3.53E-08
1630	494311.06	3858801.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.49E-08	8.60E-08	3.92E-08	3.44E-08	0.00E+00	0.00E+00	1.42E-08	3.22E-09	2.04E-08	3.15E-09	2.66E-09	4.37E-08
1631	494361.06	3858801.99	1.36E-04	1.67E-04	1.46E-04	4.71E-08	1.42E-07	8.24E-08	1.01E-07	9.15E-08	4.17E-08	3.66E-08	0.00E+00	0.00E+00	1.52E-08	3.43E-09	2.17E-08	3.35E-09	2.83E-09	4.65E-08
1632	494411.06	3858801.99	1.38E-04	1.69E-04	1.48E-04	4.77E-08	1.44E-07	8.34E-08	1.02E-07	9.26E-08	4.23E-08	3.70E-08	0.00E+00	0.00E+00	1.54E-08	3.47E-09	2.20E-08	3.39E-09	2.87E-09	4.71E-08
1633	494461.06	3858801.99	1.39E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.39E-08	1.03E-07	9.31E-08	4.25E-08	3.72E-08	0.00E+00	0.00E+00	1.54E-08	3.49E-09	2.21E-08	3.41E-09	2.88E-09	4.73E-08
1634	494511.06	3858801.99	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.40E-08	1.03E-07	9.33E-08	4.26E-08	3.73E-08	0.00E+00	0.00E+00	1.55E-08	3.49E-09	2.22E-08	3.42E-09	2.89E-09	4.74E-08
1635	494561.06	3858801.99	1.38E-04	1.69E-04	1.48E-04	4.78E-08	1.44E-07	8.36E-08	1.02E-07	9.28E-08	4.23E-08	3.71E-08	0.00E+00	0.00E+00	1.54E-08	3.47E-09	2.20E-08	3.40E-09	2.87E-09	4.72E-08
1636	494611.06	3858801.99	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.19E-08	4.19E-08	3.67E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.18E-08	3.37E-09	2.84E-09	4.67E-08
1637	494661.06	3858801.99	1.34E-04	1.65E-04	1.44E-04	4.65E-08	1.41E-07	8.14E-08	9.96E-08	9.03E-08	4.12E-08	3.61E-08	0.00E+00	0.00E+00	1.50E-08	3.38E-09	2.15E-08	3.31E-09	2.80E-09	4.59E-08
1638	494711.06	3858801.99	1.32E-04	1.61E-04	1.41E-04	4.56E-08	1.38E-07	7.97E-08	9.76E-08	8.85E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.31E-09	2.10E-08	3.24E-09	2.74E-09	4.50E-08
1639	494761.06	3858801.99	1.29E-04	1.58E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.53E-08	8.64E-08	3.94E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.05E-08	3.17E-09	2.68E-09	4.39E-08
1640	494811.06	3858801.99	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.15E-09	2.00E-08	3.09E-09	2.61E-09	4.28E-08
1641	494861.06	3858801.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
1642	494911.06	3858801.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
1643	494961.06	3858801.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
1644	495011.06	3858801.99	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
1645	495061.06	3858801.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
1646	495111.06	3858801.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.35E-09	3.87E-08
1647	495161.06	3858801.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.31E-09	3.80E-08
1648	495211.06	3858801.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.67E-08	8.17E-08	7.41E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.77E-08
1649	495261.06	3858801.99	1.10E-04	1.35E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.75E-08
1650	495311.06	3858801.99	1.10E-04	1.34E-04	1.18E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
1651	495361.06	3858801.99	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.07E-08	7.32E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
1652	495411.06	3858801.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.93E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
1653	495461.06	3858801.99	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.13E-07	6.57E-08	8.05E-08	7.29E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.71E-08
1654	495511.06	3858801.99	1.08E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.23E-08	3.30E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.67E-08
1655	495561.06	3858801.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.70E-08	2.63E-09	2.22E-09	3.65E-08
1656	495611.06	3858801.99	1.06E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.39E-08	7.82E-08	7.09E-08	3.24E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.60E-09	2.19E-09	3.60E-08
1657	495661.06	3858801.99	1.05E-04	1.29E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.78E-08	7.05E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.58E-09	2.18E-09	3.58E-08
1658	494311.06	3858851.99	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.27E-08	1.01E-07	9.18E-08	4.19E-08	3.67E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.18E-08	3.36E-09	2.84E-09	4.67E-08
1659	494361.06	3858851.99	1.41E-04	1.73E-04	1.51E-04	4.88E-08	1.47E-07	8.53E-08	1.04E-07	9.47E-08	4.32E-08	3.79E-08	0.00E+00	0.00E+00	1.57E-08	3.55E-09	2.25E-08	3.47E-09	2.93E-09	4.81E-08
1660	494411.06	3858851.99	1.40E-04	1.72E-04	1.51E-04	4.86E-08	1.47E-07	8.49E-08	1.04E-07	9.43E-08	4.30E-08	3.77E-08	0.00E+00	0.00E+00	1.56E-08	3.53E-09	2.24E-08	3.46E-09	2.92E-09	4.79E-08
1661	494461.06	3858851.99	1.40E-04	1.72E-04	1.51E-04	4.86E-08	1.47E-07	8.50E-08	1.04E-07	9.43E-08	4.31E-08	3.77E-08	0.00E+00	0.00E+00	1.56E-08	3.53E-09	2.24E-08	3.46E-09	2.92E-09	4.80E-08
1662	494511.06	3858851.99	1.40E-04	1.72E-04	1.50E-04	4.85E-08	1.46E-07	8.48E-08	1.04E-07	9.41E-08	4.30E-08	3.76E-08	0.00E+00	0.00E+00	1.56E-08	3.52E-09	2.24E-08	3.45E-09	2.91E-09	4.78E-08
1663	494561.06	3858851.99	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.26E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.42E-09	2.89E-09	4.75E-08
1664	494611.06	3858851.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.31E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.19E-08	3.38E-09	2.86E-09	4.69E-08
1665	494661.06	3858851.99	1.35E-04	1.66E-04	1.45E-04	4.68E-08	1.41E-07	8.18E-08	1.00E-07	9.09E-08	4.15E-08	3.63E-08	0.00E+00	0.00E+00	1.51E-08	3.40E-09	2.16E-08	3.33E-09	2.81E-09	4.62E-08
1666	494711.06	3858851.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	8.00E-08	9.79E-08	8.88E-08	4.05E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.75E-09	4.51E-08
1667	494761.06	3858851.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.81E-08	9.57E-08	8.68E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
1668	494811.06	3858851.99	1.27E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.66E-08	9.38E-08	8.51E-08	3.88E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.63E-09	4.32E-08
1669	494861.06	3858851.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.56E-08	9.26E-08	8.40E-08	3.83E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.08E-09	2.60E-09	4.27E-08
1670	494911.06	3858851.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
1671	494961.06	3858851.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.30E-08	8.94E-08	8.11E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
1672	495011.06	3858851.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.48E-09	4.06E-08
1673	495061.06	3858851.99	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.08E-08	8.68E-08	7.87E-08	3.59E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
1674	495111.06	3858851.99	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.42E-08	7.63E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.86E-09	1.81E-08	2.80E-09	2.36E-09	3.88E-08
1675	495161.06	3858851.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.82E-08

1676	495211.06	3858851.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.33E-09	3.82E-08
1677	495261.06	3858851.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.74E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.32E-09	3.80E-08
1678	495311.06	3858851.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.24E-08	7.47E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.77E-08	2.74E-09	2.31E-09	3.80E-08
1679	495361.06	3858851.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.70E-08	8.21E-08	7.44E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.30E-09	3.78E-08
1680	495411.06	3858851.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.42E-08	3.38E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
1681	495461.06	3858851.99	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
1682	495511.06	3858851.99	1.10E-04	1.34E-04	1.18E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
1683	495561.06	3858851.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.99E-08	7.24E-08	3.30E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
1684	495611.06	3858851.99	1.06E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.21E-09	3.64E-08
1685	495661.06	3858851.99	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.43E-08	7.87E-08	7.13E-08	3.26E-08	2.85E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.70E-08	2.61E-09	2.21E-09	3.63E-08
1686	494311.06	3858901.99	1.40E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.44E-08	1.03E-07	9.38E-08	4.28E-08	3.75E-08	0.00E+00	0.00E+00	1.55E-08	3.51E-09	2.23E-08	3.44E-09	2.90E-09	4.77E-08
1687	494361.06	3858901.99	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.59E-09	2.28E-08	3.51E-09	2.97E-09	4.87E-08
1688	494411.06	3858901.99	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.59E-09	2.28E-08	3.51E-09	2.97E-09	4.87E-08
1689	494461.06	3858901.99	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.59E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.59E-09	2.28E-08	3.51E-09	2.97E-09	4.87E-08
1690	494511.06	3858901.99	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.61E-08	1.05E-07	9.56E-08	4.36E-08	3.82E-08	0.00E+00	0.00E+00	1.58E-08	3.58E-09	2.27E-08	3.50E-09	2.96E-09	4.86E-08
1691	494561.06	3858901.99	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.50E-08	1.04E-07	9.44E-08	4.31E-08	3.77E-08	0.00E+00	0.00E+00	1.56E-08	3.54E-09	2.24E-08	3.46E-09	2.92E-09	4.80E-08
1692	494611.06	3858901.99	1.38E-04	1.69E-04	1.48E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.24E-08	4.22E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.20E-08	3.39E-09	2.86E-09	4.70E-08
1693	494661.06	3858901.99	1.36E-04	1.66E-04	1.46E-04	4.70E-08	1.42E-07	8.22E-08	1.01E-07	9.13E-08	4.17E-08	3.65E-08	0.00E+00	0.00E+00	1.51E-08	3.42E-09	2.17E-08	3.35E-09	2.83E-09	4.64E-08
1694	494711.06	3858901.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.06E-08	9.87E-08	8.94E-08	4.08E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.13E-08	3.28E-09	2.77E-09	4.55E-08
1695	494761.06	3858901.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.86E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.07E-08	3.20E-09	2.70E-09	4.43E-08
1696	494811.06	3858901.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.22E-09	2.04E-08	3.15E-09	2.66E-09	4.37E-08
1697	494861.06	3858901.99	1.26E-04	1.55E-04	1.36E-04	4.37E-08	1.32E-07	7.65E-08	9.37E-08	8.49E-08	3.87E-08	3.39E-08	0.00E+00	0.00E+00	1.41E-08	3.18E-09	2.02E-08	3.11E-09	2.63E-09	4.32E-08
1698	494911.06	3858901.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.27E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.03E-09	2.56E-09	4.21E-08
1699	494961.06	3858901.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	9.00E-08	8.16E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.99E-09	2.52E-09	4.15E-08
1700	495011.06	3858901.99	1.20E-04	1.47E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
1701	495061.06	3858901.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
1702	495111.06	3858901.99	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.88E-08	8.42E-08	7.64E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.27E-08	2.86E-09	1.81E-08	2.80E-09	2.36E-09	3.88E-08
1703	495161.06	3858901.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.35E-08	7.57E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
1704	495211.06	3858901.99	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
1705	495261.06	3858901.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.37E-08	7.59E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
1706	495311.06	3858901.99	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.18E-07	6.80E-08	8.33E-08	7.55E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.79E-08	2.77E-09	2.34E-09	3.84E-08
1707	495361.06	3858901.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
1708	495411.06	3858901.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.53E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
1709	495461.06	3858901.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.31E-09	3.80E-08
1710	495511.06	3858901.99	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.16E-08	7.40E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
1711	495561.06	3858901.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.09E-08	7.34E-08	3.35E-08	2.93E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
1712	495611.06	3858901.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.66E-09	2.24E-09	3.68E-08
1713	495661.06	3858901.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.98E-08	7.24E-08	3.30E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
1714	494311.06	3858951.99	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.55E-09	3.00E-09	4.92E-08
1715	494361.06	3858951.99	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.77E-08	1.07E-07	9.74E-08	4.44E-08	3.89E-08	0.00E+00	0.00E+00	1.61E-08	3.65E-09	2.31E-08	3.57E-09	3.01E-09	4.95E-08
1716	494411.06	3858951.99	1.44E-04	1.76E-04	1.54E-04	4.97E-08	1.50E-07	8.70E-08	1.07E-07	9.66E-08	4.41E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.29E-08	3.54E-09	2.99E-09	4.91E-08
1717	494461.06	3858951.99	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	2.99E-09	4.91E-08
1718	494511.06	3858951.99	1.43E-04	1.75E-04	1.53E-04	4.95E-08	1.49E-07	8.65E-08	1.06E-07	9.60E-08	4.38E-08	3.84E-08	0.00E+00	0.00E+00	1.59E-08	3.60E-09	2.28E-08	3.52E-09	2.97E-09	4.88E-08
1719	494561.06	3858951.99	1.41E-04	1.73E-04	1.52E-04	4.89E-08	1.48E-07	8.55E-08	1.05E-07	9.49E-08	4.33E-08	3.79E-08	0.00E+00	0.00E+00	1.57E-08	3.55E-09	2.25E-08	3.48E-09	2.94E-09	4.82E-08
1720	494611.06	3858951.99	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.40E-08	1.03E-07	9.33E-08	4.26E-08	3.73E-08	0.00E+00	0.00E+00	1.55E-08	3.49E-09	2.22E-08	3.42E-09	2.89E-09	4.74E-08
1721	494661.06	3858951.99	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.26E-08	1.01E-07	9.18E-08	4.19E-08	3.67E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.18E-08	3.36E-09	2.84E-09	4.66E-08
1722	494711.06	3858951.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.39E-07	8.07E-08	9.88E-08	8.96E-08	4.09E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.13E-08	3.28E-09	2.77E-09	4.55E-08
1723	494761.06	3858951.99	1.31E-04	1.60E-04	1.41E-04	4.53E-08	1.37E-07	7.92E-08	9.71E-08	8.80E-08	4.01E-08	3.52E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
1724	494811.06	3858951.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
1725	494861.06	3858951.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.46E-08	8.57E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.65E-09	4.36E-08
1726	494911.06	3858951.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.41E-08	3.84E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.60E-09	4.27E-08
1727	494961.06	3858951.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.29E-07	7.49E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
1728	495011.06	3858951.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.25E-07	7.26E-08	8.90E-08	8.07E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.96E-09	2.50E-09	4.10E-08
1729	495061.06	3858951.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.42E-09	3.98E-08
1730	495111.06	3858951.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.88E-08	8.43E-08	7.64E-08	3.49E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.86E-09	1.82E-08	2.80E-09	2.37E-09	3.88E-08
1731	495161.06	3858951.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.51E-08	7.72E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.83E-09	2.39E-09	3.92E-08
1732	495211.06	3858951.99	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.71E-08	3.52E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.82E-09	2.39E-09	3.92E-08
1733	495261.06	3858951.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08

1734	495311.06	3858951.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.78E-09	2.35E-09	3.86E-08
1735	495361.06	3858951.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
1736	495411.06	3858951.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.35E-09	3.87E-08
1737	495461.06	3858951.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.35E-08	7.57E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
1738	495511.06	3858951.99	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.18E-07	6.80E-08	8.33E-08	7.55E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.79E-08	2.77E-09	2.34E-09	3.84E-08
1739	495561.06	3858951.99	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.43E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
1740	495611.06	3858951.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.28E-09	3.74E-08
1741	495661.06	3858951.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
1742	494311.06	3859001.99	1.47E-04	1.79E-04	1.57E-04	5.07E-08	1.53E-07	8.87E-08	1.09E-07	9.85E-08	4.49E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.05E-09	5.00E-08
1743	494361.06	3859001.99	1.46E-04	1.79E-04	1.57E-04	5.06E-08	1.53E-07	8.84E-08	1.08E-07	9.82E-08	4.48E-08	3.92E-08	0.00E+00	0.00E+00	1.63E-08	3.68E-09	2.33E-08	3.60E-09	3.04E-09	4.99E-08
1744	494411.06	3859001.99	1.46E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.81E-08	1.08E-07	9.79E-08	4.46E-08	3.91E-08	0.00E+00	0.00E+00	1.62E-08	3.66E-09	2.32E-08	3.59E-09	3.03E-09	4.97E-08
1745	494461.06	3859001.99	1.45E-04	1.77E-04	1.55E-04	5.01E-08	1.51E-07	8.76E-08	1.07E-07	9.73E-08	4.44E-08	3.89E-08	0.00E+00	0.00E+00	1.61E-08	3.64E-09	2.31E-08	3.56E-09	3.01E-09	4.94E-08
1746	494511.06	3859001.99	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	2.99E-09	4.91E-08
1747	494561.06	3859001.99	1.42E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.57E-08	1.05E-07	9.51E-08	4.34E-08	3.80E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.49E-09	2.95E-09	4.84E-08
1748	494611.06	3859001.99	1.40E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.44E-08	1.03E-07	9.37E-08	4.28E-08	3.75E-08	0.00E+00	0.00E+00	1.55E-08	3.51E-09	2.23E-08	3.43E-09	2.90E-09	4.76E-08
1749	494661.06	3859001.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.28E-08	1.01E-07	9.20E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
1750	494711.06	3859001.99	1.34E-04	1.64E-04	1.44E-04	4.63E-08	1.40E-07	8.10E-08	9.92E-08	8.99E-08	4.10E-08	3.59E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.29E-09	2.78E-09	4.57E-08
1751	494761.06	3859001.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.98E-08	9.78E-08	8.86E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.74E-09	4.51E-08
1752	494811.06	3859001.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.91E-08	9.69E-08	8.78E-08	4.01E-08	3.51E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
1753	494861.06	3859001.99	1.29E-04	1.58E-04	1.38E-04	4.45E-08	1.34E-07	7.79E-08	9.54E-08	8.64E-08	3.94E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.05E-08	3.17E-09	2.68E-09	4.39E-08
1754	494911.06	3859001.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.65E-08	9.37E-08	8.49E-08	3.88E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.18E-09	2.02E-08	3.11E-09	2.63E-09	4.32E-08
1755	494961.06	3859001.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
1756	495011.06	3859001.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.32E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.03E-08
1757	495061.06	3859001.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.43E-09	3.99E-08
1758	495111.06	3859001.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.92E-08	8.48E-08	7.68E-08	3.51E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
1759	495161.06	3859001.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.22E-07	7.03E-08	8.62E-08	7.81E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
1760	495211.06	3859001.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
1761	495261.06	3859001.99	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.57E-08	7.77E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.40E-09	3.95E-08
1762	495311.06	3859001.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.52E-08	7.72E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.83E-09	2.39E-09	3.92E-08
1763	495361.06	3859001.99	1.15E-04	1.41E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.51E-08	7.71E-08	3.52E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.82E-09	2.39E-09	3.92E-08
1764	495411.06	3859001.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.92E-08	8.47E-08	7.68E-08	3.51E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.81E-09	2.38E-09	3.90E-08
1765	495461.06	3859001.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.90E-08	8.45E-08	7.66E-08	3.50E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.89E-08
1766	495511.06	3859001.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.84E-08
1767	495561.06	3859001.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.82E-08
1768	495611.06	3859001.99	1.11E-04	1.36E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.21E-08	7.44E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.30E-09	3.78E-08
1769	495661.06	3859001.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.74E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.32E-09	3.80E-08
1770	494311.06	3859051.99	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.95E-08	1.10E-07	9.94E-08	4.53E-08	3.97E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.05E-08
1771	494361.06	3859051.99	1.48E-04	1.81E-04	1.59E-04	5.11E-08	1.54E-07	8.94E-08	1.09E-07	9.92E-08	4.53E-08	3.97E-08	0.00E+00	0.00E+00	1.64E-08	3.72E-09	2.36E-08	3.64E-09	3.07E-09	5.04E-08
1772	494411.06	3859051.99	1.47E-04	1.79E-04	1.57E-04	5.07E-08	1.53E-07	8.87E-08	1.09E-07	9.84E-08	4.49E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.05E-09	5.00E-08
1773	494461.06	3859051.99	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.78E-08	1.08E-07	9.75E-08	4.45E-08	3.90E-08	0.00E+00	0.00E+00	1.62E-08	3.65E-09	2.32E-08	3.57E-09	3.02E-09	4.96E-08
1774	494511.06	3859051.99	1.43E-04	1.76E-04	1.54E-04	4.96E-08	1.50E-07	8.67E-08	1.06E-07	9.63E-08	4.39E-08	3.85E-08	0.00E+00	0.00E+00	1.60E-08	3.61E-09	2.29E-08	3.53E-09	2.98E-09	4.89E-08
1775	494561.06	3859051.99	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.58E-08	1.05E-07	9.52E-08	4.35E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.57E-09	2.26E-08	3.49E-09	2.95E-09	4.84E-08
1776	494611.06	3859051.99	1.40E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.45E-08	1.03E-07	9.38E-08	4.28E-08	3.75E-08	0.00E+00	0.00E+00	1.55E-08	3.51E-09	2.23E-08	3.44E-09	2.90E-09	4.77E-08
1777	494661.06	3859051.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.44E-07	8.31E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.19E-08	3.38E-09	2.86E-09	4.69E-08
1778	494711.06	3859051.99	1.35E-04	1.66E-04	1.45E-04	4.68E-08	1.41E-07	8.18E-08	1.00E-07	9.08E-08	4.14E-08	3.63E-08	0.00E+00	0.00E+00	1.50E-08	3.40E-09	2.16E-08	3.33E-09	2.81E-09	4.62E-08
1779	494761.06	3859051.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.54E-08
1780	494811.06	3859051.99	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.94E-08	9.73E-08	8.82E-08	4.02E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.10E-08	3.23E-09	2.73E-09	4.48E-08
1781	494861.06	3859051.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.35E-07	7.84E-08	9.60E-08	8.71E-08	3.97E-08	3.48E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.70E-09	4.43E-08
1782	494911.06	3859051.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.68E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.03E-08	3.13E-09	2.64E-09	4.34E-08
1783	494961.06	3859051.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.12E-08	8.27E-08	3.77E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.03E-09	2.56E-09	4.20E-08
1784	495011.06	3859051.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.91E-08	8.07E-08	3.68E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.96E-09	2.50E-09	4.10E-08
1785	495061.06	3859051.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.32E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
1786	495111.06	3859051.99	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
1787	495161.06	3859051.99	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.45E-09	4.03E-08
1788	495211.06	3859051.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.65E-08	7.84E-08	3.58E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.86E-08	2.87E-09	2.43E-09	3.99E-08
1789	495261.06	3859051.99	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.08E-08	8.67E-08	7.86E-08	3.59E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.43E-09	4.00E-08
1790	495311.06	3859051.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.81E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.42E-09	3.97E-08
1791	495361.06	3859051.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08

1792	495411.06	3859051.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
1793	495461.06	3859051.99	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
1794	495511.06	3859051.99	1.14E-04	1.40E-04	1.23E-04	3.95E-08	1.19E-07	6.91E-08	8.46E-08	7.67E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.90E-08
1795	495561.06	3859051.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.37E-08	7.59E-08	3.46E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
1796	495611.06	3859051.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
1797	495661.06	3859051.99	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.17E-07	6.80E-08	8.33E-08	7.55E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.79E-08	2.77E-09	2.34E-09	3.84E-08
1798	494311.06	3859101.99	1.49E-04	1.83E-04	1.60E-04	5.16E-08	1.56E-07	9.02E-08	1.10E-07	1.00E-07	4.57E-08	4.00E-08	0.00E+00	0.00E+00	1.66E-08	3.75E-09	2.38E-08	3.67E-09	3.10E-09	5.09E-08
1799	494361.06	3859101.99	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.96E-08	1.10E-07	9.94E-08	4.54E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.05E-08
1800	494411.06	3859101.99	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.90E-08	1.09E-07	9.89E-08	4.51E-08	3.95E-08	0.00E+00	0.00E+00	1.64E-08	3.70E-09	2.35E-08	3.62E-09	3.06E-09	5.03E-08
1801	494461.06	3859101.99	1.46E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.82E-08	1.08E-07	9.79E-08	4.47E-08	3.91E-08	0.00E+00	0.00E+00	1.62E-08	3.67E-09	2.33E-08	3.59E-09	3.03E-09	4.98E-08
1802	494511.06	3859101.99	1.44E-04	1.76E-04	1.54E-04	4.97E-08	1.50E-07	8.69E-08	1.06E-07	9.65E-08	4.40E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.61E-09	2.29E-08	3.54E-09	2.99E-09	4.91E-08
1803	494561.06	3859101.99	1.42E-04	1.74E-04	1.52E-04	4.92E-08	1.48E-07	8.59E-08	1.05E-07	9.54E-08	4.35E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.57E-09	2.27E-08	3.50E-09	2.95E-09	4.85E-08
1804	494611.06	3859101.99	1.39E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.44E-08	1.03E-07	9.37E-08	4.28E-08	3.75E-08	0.00E+00	0.00E+00	1.55E-08	3.51E-09	2.23E-08	3.43E-09	2.90E-09	4.76E-08
1805	494661.06	3859101.99	1.38E-04	1.69E-04	1.48E-04	4.77E-08	1.44E-07	8.34E-08	1.02E-07	9.26E-08	4.22E-08	3.70E-08	0.00E+00	0.00E+00	1.53E-08	3.47E-09	2.20E-08	3.39E-09	2.87E-09	4.71E-08
1806	494711.06	3859101.99	1.35E-04	1.65E-04	1.45E-04	4.67E-08	1.41E-07	8.16E-08	1.00E-07	9.06E-08	4.14E-08	3.62E-08	0.00E+00	0.00E+00	1.50E-08	3.39E-09	2.15E-08	3.32E-09	2.81E-09	4.61E-08
1807	494761.06	3859101.99	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.11E-08	9.94E-08	9.01E-08	4.11E-08	3.60E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.30E-09	2.79E-09	4.58E-08
1808	494811.06	3859101.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.79E-08	8.88E-08	4.05E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.75E-09	4.51E-08
1809	494861.06	3859101.99	1.30E-04	1.60E-04	1.40E-04	4.51E-08	1.36E-07	7.89E-08	9.66E-08	8.76E-08	4.00E-08	3.50E-08	0.00E+00	0.00E+00	1.45E-08	3.28E-09	2.08E-08	3.21E-09	2.71E-09	4.45E-08
1810	494911.06	3859101.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.66E-09	4.36E-08
1811	494961.06	3859101.99	1.24E-04	1.52E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.98E-08	3.05E-09	2.57E-09	4.23E-08
1812	495011.06	3859101.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.85E-08	8.03E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.48E-09	4.08E-08
1813	495061.06	3859101.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.23E-08	8.85E-08	8.02E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.91E-08	2.94E-09	2.48E-09	4.08E-08
1814	495111.06	3859101.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.16E-08	8.76E-08	7.94E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
1815	495161.06	3859101.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.48E-09	4.06E-08
1816	495211.06	3859101.99	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.92E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.45E-09	4.03E-08
1817	495261.06	3859101.99	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.92E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.45E-09	4.03E-08
1818	495311.06	3859101.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.90E-08	3.61E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
1819	495361.06	3859101.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.90E-08	3.60E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.89E-09	2.44E-09	4.01E-08
1820	495411.06	3859101.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.00E-08
1821	495461.06	3859101.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
1822	495511.06	3859101.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
1823	495561.06	3859101.99	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.70E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.92E-08
1824	495611.06	3859101.99	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.41E-08	7.62E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
1825	495661.06	3859101.99	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.86E-08	8.40E-08	7.62E-08	3.48E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
1826	494311.06	3859151.99	1.49E-04	1.83E-04	1.60E-04	5.17E-08	1.56E-07	9.03E-08	1.11E-07	1.00E-07	4.58E-08	4.01E-08	0.00E+00	0.00E+00	1.66E-08	3.75E-09	2.38E-08	3.67E-09	3.10E-09	5.10E-08
1827	494361.06	3859151.99	1.49E-04	1.82E-04	1.59E-04	5.14E-08	1.55E-07	8.99E-08	1.10E-07	9.98E-08	4.55E-08	3.99E-08	0.00E+00	0.00E+00	1.65E-08	3.74E-09	2.37E-08	3.66E-09	3.09E-09	5.07E-08
1828	494411.06	3859151.99	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.89E-08	1.09E-07	9.87E-08	4.51E-08	3.95E-08	0.00E+00	0.00E+00	1.64E-08	3.70E-09	2.35E-08	3.62E-09	3.06E-09	5.02E-08
1829	494461.06	3859151.99	1.45E-04	1.78E-04	1.56E-04	5.03E-08	1.52E-07	8.80E-08	1.08E-07	9.77E-08	4.46E-08	3.90E-08	0.00E+00	0.00E+00	1.62E-08	3.66E-09	2.32E-08	3.58E-09	3.02E-09	4.96E-08
1830	494511.06	3859151.99	1.43E-04	1.75E-04	1.54E-04	4.96E-08	1.50E-07	8.67E-08	1.06E-07	9.62E-08	4.39E-08	3.85E-08	0.00E+00	0.00E+00	1.59E-08	3.60E-09	2.29E-08	3.53E-09	2.98E-09	4.89E-08
1831	494561.06	3859151.99	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.59E-08	1.05E-07	9.54E-08	4.35E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.57E-09	2.27E-08	3.49E-09	2.95E-09	4.85E-08
1832	494611.06	3859151.99	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.46E-08	1.04E-07	9.39E-08	4.29E-08	3.75E-08	0.00E+00	0.00E+00	1.56E-08	3.52E-09	2.23E-08	3.44E-09	2.91E-09	4.77E-08
1833	494661.06	3859151.99	1.38E-04	1.69E-04	1.48E-04	4.79E-08	1.45E-07	8.37E-08	1.03E-07	9.29E-08	4.24E-08	3.72E-08	0.00E+00	0.00E+00	1.54E-08	3.48E-09	2.21E-08	3.41E-09	2.88E-09	4.72E-08
1834	494711.06	3859151.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.21E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
1835	494761.06	3859151.99	1.35E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.14E-08	9.97E-08	9.04E-08	4.12E-08	3.61E-08	0.00E+00	0.00E+00	1.50E-08	3.38E-09	2.15E-08	3.31E-09	2.80E-09	4.59E-08
1836	494811.06	3859151.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.01E-08	9.81E-08	8.89E-08	4.06E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.33E-09	2.11E-08	3.26E-09	2.75E-09	4.52E-08
1837	494861.06	3859151.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.79E-08	4.01E-08	3.51E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
1838	494911.06	3859151.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.75E-08	9.49E-08	8.60E-08	3.93E-08	3.44E-08	0.00E+00	0.00E+00	1.43E-08	3.22E-09	2.04E-08	3.15E-09	2.66E-09	4.37E-08
1839	494961.06	3859151.99	1.24E-04	1.52E-04	1.33E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.13E-09	1.99E-08	3.06E-09	2.59E-09	4.25E-08
1840	495011.06	3859151.99	1.21E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.10E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.97E-09	2.51E-09	4.12E-08
1841	495061.06	3859151.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.91E-08	8.07E-08	3.68E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.96E-09	2.50E-09	4.10E-08
1842	495111.06	3859151.99	1.19E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.85E-08	8.03E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.48E-09	4.08E-08
1843	495161.06	3859151.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.91E-08	8.07E-08	3.68E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.96E-09	2.50E-09	4.10E-08
1844	495211.06	3859151.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.86E-08	8.03E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
1845	495261.06	3859151.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	2.99E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
1846	495311.06	3859151.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
1847	495361.06	3859151.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.32E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
1848	495411.06	3859151.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.80E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
1849	495461.06	3859151.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08

1850	495511.06	3859151.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.43E-09	3.99E-08
1851	495561.06	3859151.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.02E-08	8.59E-08	7.79E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
1852	495611.06	3859151.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.53E-08	7.74E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.83E-09	2.39E-09	3.93E-08
1853	495661.06	3859151.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
1854	494311.06	3859201.99	1.49E-04	1.83E-04	1.60E-04	5.16E-08	1.56E-07	9.02E-08	1.11E-07	1.00E-07	4.57E-08	4.01E-08	0.00E+00	0.00E+00	1.66E-08	3.75E-09	2.38E-08	3.67E-09	3.10E-09	5.09E-08
1855	494361.06	3859201.99	1.48E-04	1.81E-04	1.59E-04	5.13E-08	1.55E-07	8.96E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.73E-09	2.36E-08	3.65E-09	3.08E-09	5.06E-08
1856	494411.06	3859201.99	1.47E-04	1.80E-04	1.58E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.05E-09	5.01E-08
1857	494461.06	3859201.99	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.51E-07	8.77E-08	1.07E-07	9.74E-08	4.44E-08	3.89E-08	0.00E+00	0.00E+00	1.61E-08	3.65E-09	2.31E-08	3.57E-09	3.01E-09	4.95E-08
1858	494511.06	3859201.99	1.44E-04	1.76E-04	1.54E-04	4.97E-08	1.50E-07	8.69E-08	1.06E-07	9.65E-08	4.40E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.61E-09	2.29E-08	3.54E-09	2.99E-09	4.90E-08
1859	494561.06	3859201.99	1.41E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.56E-08	1.05E-07	9.51E-08	4.34E-08	3.80E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.48E-09	2.94E-09	4.83E-08
1860	494611.06	3859201.99	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.46E-08	1.04E-07	9.39E-08	4.28E-08	3.75E-08	0.00E+00	0.00E+00	1.56E-08	3.52E-09	2.23E-08	3.44E-09	2.91E-09	4.77E-08
1861	494661.06	3859201.99	1.38E-04	1.70E-04	1.49E-04	4.79E-08	1.45E-07	8.37E-08	1.03E-07	9.30E-08	4.24E-08	3.72E-08	0.00E+00	0.00E+00	1.54E-08	3.48E-09	2.21E-08	3.41E-09	2.88E-09	4.73E-08
1862	494711.06	3859201.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.20E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.45E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
1863	494761.06	3859201.99	1.35E-04	1.65E-04	1.45E-04	4.66E-08	1.41E-07	8.15E-08	9.98E-08	9.05E-08	4.13E-08	3.62E-08	0.00E+00	0.00E+00	1.50E-08	3.39E-09	2.15E-08	3.32E-09	2.80E-09	4.60E-08
1864	494811.06	3859201.99	1.33E-04	1.63E-04	1.42E-04	4.59E-08	1.39E-07	8.03E-08	9.84E-08	8.92E-08	4.07E-08	3.56E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.53E-08
1865	494861.06	3859201.99	1.31E-04	1.60E-04	1.40E-04	4.52E-08	1.36E-07	7.90E-08	9.67E-08	8.77E-08	4.00E-08	3.51E-08	0.00E+00	0.00E+00	1.45E-08	3.28E-09	2.08E-08	3.21E-09	2.71E-09	4.46E-08
1866	494911.06	3859201.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.45E-08	8.56E-08	3.91E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.03E-08	3.14E-09	2.65E-09	4.35E-08
1867	494961.06	3859201.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.13E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
1868	495011.06	3859201.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.91E-08	2.95E-09	2.49E-09	4.10E-08
1869	495061.06	3859201.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.35E-08	9.00E-08	8.16E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
1870	495111.06	3859201.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.99E-09	2.52E-09	4.14E-08
1871	495161.06	3859201.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.04E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
1872	495211.06	3859201.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.90E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.95E-09	2.50E-09	4.10E-08
1873	495261.06	3859201.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.91E-08	2.95E-09	2.49E-09	4.10E-08
1874	495311.06	3859201.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.86E-08	8.03E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
1875	495361.06	3859201.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.02E-08	3.66E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.94E-09	2.48E-09	4.08E-08
1876	495411.06	3859201.99	1.20E-04	1.47E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.09E-08
1877	495461.06	3859201.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	7.99E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.47E-09	4.06E-08
1878	495511.06	3859201.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
1879	495561.06	3859201.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.43E-09	3.99E-08
1880	495611.06	3859201.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.79E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
1881	495661.06	3859201.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
1882	494311.06	3859251.99	1.49E-04	1.82E-04	1.60E-04	5.15E-08	1.55E-07	9.00E-08	1.10E-07	9.99E-08	4.56E-08	4.00E-08	0.00E+00	0.00E+00	1.66E-08	3.74E-09	2.37E-08	3.66E-09	3.09E-09	5.08E-08
1883	494361.06	3859251.99	1.47E-04	1.81E-04	1.58E-04	5.10E-08	1.54E-07	8.92E-08	1.09E-07	9.90E-08	4.52E-08	3.96E-08	0.00E+00	0.00E+00	1.64E-08	3.71E-09	2.35E-08	3.63E-09	3.07E-09	5.03E-08
1884	494411.06	3859251.99	1.46E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.81E-08	1.08E-07	9.78E-08	4.46E-08	3.91E-08	0.00E+00	0.00E+00	1.62E-08	3.66E-09	2.32E-08	3.58E-09	3.03E-09	4.97E-08
1885	494461.06	3859251.99	1.44E-04	1.77E-04	1.55E-04	5.00E-08	1.51E-07	8.74E-08	1.07E-07	9.70E-08	4.43E-08	3.88E-08	0.00E+00	0.00E+00	1.61E-08	3.63E-09	2.30E-08	3.55E-09	3.00E-09	4.93E-08
1886	494511.06	3859251.99	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.61E-08	1.06E-07	9.56E-08	4.36E-08	3.82E-08	0.00E+00	0.00E+00	1.58E-08	3.58E-09	2.27E-08	3.50E-09	2.96E-09	4.86E-08
1887	494561.06	3859251.99	1.41E-04	1.73E-04	1.51E-04	4.88E-08	1.47E-07	8.53E-08	1.05E-07	9.47E-08	4.32E-08	3.79E-08	0.00E+00	0.00E+00	1.57E-08	3.55E-09	2.25E-08	3.47E-09	2.93E-09	4.82E-08
1888	494611.06	3859251.99	1.39E-04	1.71E-04	1.49E-04	4.82E-08	1.46E-07	8.42E-08	1.03E-07	9.35E-08	4.27E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.43E-09	2.90E-09	4.75E-08
1889	494661.06	3859251.99	1.38E-04	1.69E-04	1.48E-04	4.78E-08	1.44E-07	8.36E-08	1.02E-07	9.28E-08	4.24E-08	3.71E-08	0.00E+00	0.00E+00	1.54E-08	3.48E-09	2.21E-08	3.40E-09	2.87E-09	4.72E-08
1890	494711.06	3859251.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.28E-08	1.01E-07	9.19E-08	4.19E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.18E-08	3.37E-09	2.85E-09	4.67E-08
1891	494761.06	3859251.99	1.34E-04	1.64E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.89E-08	8.97E-08	4.09E-08	3.59E-08	0.00E+00	0.00E+00	1.49E-08	3.36E-09	2.13E-08	3.29E-09	2.78E-09	4.56E-08
1892	494811.06	3859251.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.54E-08
1893	494861.06	3859251.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.61E-08	8.71E-08	3.98E-08	3.48E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.70E-09	4.43E-08
1894	494911.06	3859251.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.32E-07	7.67E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
1895	494961.06	3859251.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.58E-08	9.28E-08	8.41E-08	3.84E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.60E-09	4.28E-08
1896	495011.06	3859251.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.56E-09	4.21E-08
1897	495061.06	3859251.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.29E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.57E-09	4.21E-08
1898	495111.06	3859251.99	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.42E-08	9.08E-08	8.23E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
1899	495161.06	3859251.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.21E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
1900	495211.06	3859251.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.99E-09	2.52E-09	4.14E-08
1901	495261.06	3859251.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.04E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
1902	495311.06	3859251.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.31E-08	8.96E-08	8.12E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.04E-09	1.93E-08	2.98E-09	2.51E-09	4.13E-08
1903	495361.06	3859251.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.28E-08	8.92E-08	8.08E-08	3.69E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.96E-09	2.50E-09	4.11E-08
1904	495411.06	3859251.99	1.20E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.09E-08	3.69E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.97E-09	2.51E-09	4.11E-08
1905	495461.06	3859251.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
1906	495511.06	3859251.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.46E-09	4.05E-08
1907	495561.06	3859251.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.91E-08	3.61E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08

1908	495611.06	3859251.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.83E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.42E-09	3.98E-08
1909	495661.06	3859251.99	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
1910	494311.06	3859301.99	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.96E-08	1.10E-07	9.94E-08	4.54E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.05E-08
1911	494361.06	3859301.99	1.47E-04	1.80E-04	1.57E-04	5.08E-08	1.53E-07	8.87E-08	1.09E-07	9.85E-08	4.50E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.05E-09	5.01E-08
1912	494411.06	3859301.99	1.45E-04	1.78E-04	1.56E-04	5.02E-08	1.52E-07	8.77E-08	1.07E-07	9.74E-08	4.44E-08	3.89E-08	0.00E+00	0.00E+00	1.61E-08	3.65E-09	2.31E-08	3.57E-09	3.02E-09	4.95E-08
1913	494461.06	3859301.99	1.43E-04	1.75E-04	1.54E-04	4.96E-08	1.50E-07	8.67E-08	1.06E-07	9.62E-08	4.39E-08	3.85E-08	0.00E+00	0.00E+00	1.59E-08	3.60E-09	2.29E-08	3.53E-09	2.98E-09	4.89E-08
1914	494511.06	3859301.99	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.57E-08	1.05E-07	9.52E-08	4.34E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.49E-09	2.95E-09	4.84E-08
1915	494561.06	3859301.99	1.40E-04	1.72E-04	1.51E-04	4.86E-08	1.47E-07	8.50E-08	1.04E-07	9.43E-08	4.30E-08	3.77E-08	0.00E+00	0.00E+00	1.56E-08	3.53E-09	2.24E-08	3.46E-09	2.92E-09	4.80E-08
1916	494611.06	3859301.99	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.41E-08	1.03E-07	9.34E-08	4.26E-08	3.73E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.42E-09	2.89E-09	4.75E-08
1917	494661.06	3859301.99	1.38E-04	1.69E-04	1.48E-04	4.76E-08	1.44E-07	8.33E-08	1.02E-07	9.25E-08	4.22E-08	3.70E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.20E-08	3.39E-09	2.86E-09	4.70E-08
1918	494711.06	3859301.99	1.36E-04	1.66E-04	1.46E-04	4.70E-08	1.42E-07	8.22E-08	1.01E-07	9.13E-08	4.17E-08	3.65E-08	0.00E+00	0.00E+00	1.51E-08	3.42E-09	2.17E-08	3.35E-09	2.83E-09	4.64E-08
1919	494761.06	3859301.99	1.34E-04	1.65E-04	1.44E-04	4.65E-08	1.40E-07	8.13E-08	9.96E-08	9.03E-08	4.12E-08	3.61E-08	0.00E+00	0.00E+00	1.50E-08	3.38E-09	2.15E-08	3.31E-09	2.80E-09	4.59E-08
1920	494811.06	3859301.99	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.00E-08	9.80E-08	8.88E-08	4.05E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.33E-09	2.11E-08	3.25E-09	2.75E-09	4.51E-08
1921	494861.06	3859301.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.81E-08	9.57E-08	8.67E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.68E-09	4.41E-08
1922	494911.06	3859301.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.45E-08	8.56E-08	3.91E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.03E-08	3.14E-09	2.65E-09	4.35E-08
1923	494961.06	3859301.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
1924	495011.06	3859301.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.44E-08	9.12E-08	8.26E-08	3.77E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.03E-09	2.56E-09	4.20E-08
1925	495061.06	3859301.99	1.24E-04	1.52E-04	1.33E-04	4.31E-08	1.30E-07	7.52E-08	9.22E-08	8.35E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.13E-09	1.99E-08	3.06E-09	2.59E-09	4.25E-08
1926	495111.06	3859301.99	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
1927	495161.06	3859301.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
1928	495211.06	3859301.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.75E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.01E-09	2.55E-09	4.18E-08
1929	495261.06	3859301.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.22E-08	3.75E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.95E-08	3.01E-09	2.54E-09	4.18E-08
1930	495311.06	3859301.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
1931	495361.06	3859301.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
1932	495411.06	3859301.99	1.21E-04	1.48E-04	1.29E-04	4.18E-08	1.26E-07	7.30E-08	8.94E-08	8.11E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
1933	495461.06	3859301.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.28E-08	8.92E-08	8.09E-08	3.69E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.96E-09	2.50E-09	4.11E-08
1934	495511.06	3859301.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.02E-08	3.66E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.94E-09	2.48E-09	4.07E-08
1935	495561.06	3859301.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.90E-08	3.60E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.89E-09	2.45E-09	4.02E-08
1936	495611.06	3859301.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.86E-08	2.88E-09	2.43E-09	3.99E-08
1937	495661.06	3859301.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.41E-09	3.96E-08
1938	494311.06	3859351.99	1.47E-04	1.80E-04	1.58E-04	5.08E-08	1.53E-07	8.88E-08	1.09E-07	9.86E-08	4.50E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.05E-09	5.01E-08
1939	494361.06	3859351.99	1.45E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.80E-08	1.08E-07	9.77E-08	4.46E-08	3.91E-08	0.00E+00	0.00E+00	1.62E-08	3.66E-09	2.32E-08	3.58E-09	3.03E-09	4.97E-08
1940	494411.06	3859351.99	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.70E-08	1.07E-07	9.66E-08	4.41E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.29E-08	3.54E-09	2.99E-09	4.91E-08
1941	494461.06	3859351.99	1.42E-04	1.74E-04	1.53E-04	4.92E-08	1.49E-07	8.60E-08	1.05E-07	9.55E-08	4.36E-08	3.82E-08	0.00E+00	0.00E+00	1.58E-08	3.58E-09	2.27E-08	3.50E-09	2.96E-09	4.86E-08
1942	494511.06	3859351.99	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.52E-08	1.04E-07	9.46E-08	4.31E-08	3.78E-08	0.00E+00	0.00E+00	1.57E-08	3.54E-09	2.25E-08	3.46E-09	2.93E-09	4.81E-08
1943	494561.06	3859351.99	1.40E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.45E-08	1.04E-07	9.38E-08	4.28E-08	3.75E-08	0.00E+00	0.00E+00	1.55E-08	3.51E-09	2.23E-08	3.44E-09	2.91E-09	4.77E-08
1944	494611.06	3859351.99	1.38E-04	1.69E-04	1.49E-04	4.79E-08	1.45E-07	8.37E-08	1.03E-07	9.30E-08	4.24E-08	3.72E-08	0.00E+00	0.00E+00	1.54E-08	3.48E-09	2.21E-08	3.41E-09	2.88E-09	4.73E-08
1945	494661.06	3859351.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.21E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
1946	494711.06	3859351.99	1.35E-04	1.66E-04	1.45E-04	4.68E-08	1.41E-07	8.19E-08	1.00E-07	9.09E-08	4.15E-08	3.63E-08	0.00E+00	0.00E+00	1.51E-08	3.40E-09	2.16E-08	3.33E-09	2.81E-09	4.62E-08
1947	494761.06	3859351.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.06E-08	9.87E-08	8.94E-08	4.08E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.13E-08	3.28E-09	2.77E-09	4.55E-08
1948	494811.06	3859351.99	1.30E-04	1.59E-04	1.40E-04	4.50E-08	1.36E-07	7.87E-08	9.63E-08	8.73E-08	3.99E-08	3.49E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.08E-08	3.20E-09	2.70E-09	4.44E-08
1949	494861.06	3859351.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.54E-08	8.65E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.05E-08	3.17E-09	2.68E-09	4.40E-08
1950	494911.06	3859351.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.22E-09	2.04E-08	3.15E-09	2.66E-09	4.37E-08
1951	494961.06	3859351.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.65E-08	9.37E-08	8.49E-08	3.87E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.18E-09	2.02E-08	3.11E-09	2.63E-09	4.32E-08
1952	495011.06	3859351.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.61E-09	4.28E-08
1953	495061.06	3859351.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.31E-07	7.61E-08	9.32E-08	8.45E-08	3.86E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
1954	495111.06	3859351.99	1.25E-04	1.53E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.23E-08	8.37E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.13E-09	1.99E-08	3.07E-09	2.59E-09	4.26E-08
1955	495161.06	3859351.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.19E-08	8.33E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
1956	495211.06	3859351.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.29E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.57E-09	4.21E-08
1957	495261.06	3859351.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.12E-08	8.27E-08	3.77E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.96E-08	3.03E-09	2.56E-09	4.20E-08
1958	495311.06	3859351.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.17E-08
1959	495361.06	3859351.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.35E-08	9.00E-08	8.16E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
1960	495411.06	3859351.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
1961	495461.06	3859351.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.04E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
1962	495511.06	3859351.99	1.20E-04	1.47E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.09E-08
1963	495561.06	3859351.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
1964	495611.06	3859351.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.92E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
1965	495661.06	3859351.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.42E-09	3.98E-08

1966	494311.06	3859401.99	1.46E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.82E-08	1.08E-07	9.79E-08	4.47E-08	3.91E-08	0.00E+00	0.00E+00	1.62E-08	3.66E-09	2.33E-08	3.59E-09	3.03E-09	4.98E-08
1967	494361.06	3859401.99	1.44E-04	1.76E-04	1.55E-04	4.99E-08	1.51E-07	8.72E-08	1.07E-07	9.68E-08	4.42E-08	3.87E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.55E-09	3.00E-09	4.92E-08
1968	494411.06	3859401.99	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.57E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.58E-09	2.27E-08	3.51E-09	2.96E-09	4.86E-08
1969	494461.06	3859401.99	1.41E-04	1.73E-04	1.51E-04	4.88E-08	1.47E-07	8.54E-08	1.05E-07	9.48E-08	4.32E-08	3.79E-08	0.00E+00	0.00E+00	1.57E-08	3.55E-09	2.25E-08	3.47E-09	2.93E-09	4.82E-08
1970	494511.06	3859401.99	1.40E-04	1.72E-04	1.50E-04	4.85E-08	1.46E-07	8.48E-08	1.04E-07	9.41E-08	4.29E-08	3.76E-08	0.00E+00	0.00E+00	1.56E-08	3.52E-09	2.24E-08	3.45E-09	2.91E-09	4.78E-08
1971	494561.06	3859401.99	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.41E-08	1.03E-07	9.34E-08	4.26E-08	3.73E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.42E-09	2.89E-09	4.75E-08
1972	494611.06	3859401.99	1.38E-04	1.69E-04	1.48E-04	4.76E-08	1.44E-07	8.33E-08	1.02E-07	9.24E-08	4.22E-08	3.70E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.20E-08	3.39E-09	2.86E-09	4.70E-08
1973	494661.06	3859401.99	1.37E-04	1.67E-04	1.47E-04	4.73E-08	1.43E-07	8.26E-08	1.01E-07	9.17E-08	4.19E-08	3.67E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.18E-08	3.36E-09	2.84E-09	4.66E-08
1974	494711.06	3859401.99	1.35E-04	1.66E-04	1.45E-04	4.68E-08	1.41E-07	8.19E-08	1.00E-07	9.09E-08	4.15E-08	3.64E-08	0.00E+00	0.00E+00	1.51E-08	3.40E-09	2.16E-08	3.33E-09	2.82E-09	4.62E-08
1975	494761.06	3859401.99	1.33E-04	1.63E-04	1.43E-04	4.61E-08	1.39E-07	8.05E-08	9.87E-08	8.94E-08	4.08E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.12E-08	3.28E-09	2.77E-09	4.55E-08
1976	494811.06	3859401.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.95E-08	9.73E-08	8.82E-08	4.03E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.10E-08	3.23E-09	2.73E-09	4.49E-08
1977	494861.06	3859401.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.81E-08	9.57E-08	8.67E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
1978	494911.06	3859401.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.73E-08	9.46E-08	8.58E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.66E-09	4.36E-08
1979	494961.06	3859401.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.67E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
1980	495011.06	3859401.99	1.26E-04	1.55E-04	1.35E-04	4.37E-08	1.32E-07	7.64E-08	9.35E-08	8.48E-08	3.87E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.11E-09	2.63E-09	4.31E-08
1981	495061.06	3859401.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.33E-08	8.46E-08	3.86E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
1982	495111.06	3859401.99	1.25E-04	1.53E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.24E-08	8.37E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.07E-09	2.59E-09	4.26E-08
1983	495161.06	3859401.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
1984	495211.06	3859401.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.18E-08	8.33E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
1985	495261.06	3859401.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.56E-09	4.21E-08
1986	495311.06	3859401.99	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.42E-08	9.08E-08	8.24E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
1987	495361.06	3859401.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.75E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.95E-08	3.01E-09	2.55E-09	4.18E-08
1988	495411.06	3859401.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.38E-08	9.04E-08	8.19E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.17E-08
1989	495461.06	3859401.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.97E-08	8.14E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
1990	495511.06	3859401.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
1991	495561.06	3859401.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
1992	495611.06	3859401.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.89E-08	3.60E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.89E-09	2.44E-09	4.01E-08
1993	495661.06	3859401.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.86E-08	2.88E-09	2.43E-09	3.99E-08
1994	494311.06	3859451.99	1.44E-04	1.76E-04	1.55E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.87E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	2.99E-09	4.92E-08
1995	494361.06	3859451.99	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.59E-09	2.28E-08	3.51E-09	2.97E-09	4.87E-08
1996	494411.06	3859451.99	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.51E-08	1.04E-07	9.45E-08	4.31E-08	3.78E-08	0.00E+00	0.00E+00	1.57E-08	3.54E-09	2.25E-08	3.46E-09	2.93E-09	4.80E-08
1997	494461.06	3859451.99	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.46E-08	1.04E-07	9.40E-08	4.29E-08	3.76E-08	0.00E+00	0.00E+00	1.56E-08	3.52E-09	2.23E-08	3.44E-09	2.91E-09	4.78E-08
1998	494511.06	3859451.99	1.39E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.39E-08	1.03E-07	9.31E-08	4.25E-08	3.72E-08	0.00E+00	0.00E+00	1.54E-08	3.49E-09	2.21E-08	3.41E-09	2.88E-09	4.73E-08
1999	494561.06	3859451.99	1.38E-04	1.69E-04	1.48E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.24E-08	4.22E-08	3.70E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.20E-08	3.39E-09	2.86E-09	4.70E-08
2000	494611.06	3859451.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.28E-08	1.01E-07	9.20E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.44E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
2001	494661.06	3859451.99	1.36E-04	1.66E-04	1.45E-04	4.69E-08	1.42E-07	8.20E-08	1.00E-07	9.11E-08	4.15E-08	3.64E-08	0.00E+00	0.00E+00	1.51E-08	3.41E-09	2.16E-08	3.34E-09	2.82E-09	4.63E-08
2002	494711.06	3859451.99	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.12E-08	9.94E-08	9.01E-08	4.11E-08	3.60E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.30E-09	2.79E-09	4.58E-08
2003	494761.06	3859451.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.05E-08	9.86E-08	8.93E-08	4.08E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.12E-08	3.27E-09	2.77E-09	4.54E-08
2004	494811.06	3859451.99	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.94E-08	9.72E-08	8.81E-08	4.02E-08	3.52E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.09E-08	3.23E-09	2.73E-09	4.48E-08
2005	494861.06	3859451.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.61E-08	8.71E-08	3.98E-08	3.48E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.70E-09	4.43E-08
2006	494911.06	3859451.99	1.29E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.52E-08	8.63E-08	3.94E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.23E-09	2.05E-08	3.16E-09	2.67E-09	4.39E-08
2007	494961.06	3859451.99	1.28E-04	1.57E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.15E-09	2.66E-09	4.36E-08
2008	495011.06	3859451.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.03E-08	3.12E-09	2.64E-09	4.33E-08
2009	495061.06	3859451.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.34E-08	8.46E-08	3.86E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
2010	495111.06	3859451.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.27E-08	8.40E-08	3.83E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.60E-09	4.27E-08
2011	495161.06	3859451.99	1.25E-04	1.53E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.23E-08	8.37E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.13E-09	1.99E-08	3.07E-09	2.59E-09	4.25E-08
2012	495211.06	3859451.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.13E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
2013	495261.06	3859451.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.29E-07	7.50E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
2014	495311.06	3859451.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.27E-08	3.77E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.03E-09	2.56E-09	4.21E-08
2015	495361.06	3859451.99	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.42E-08	9.08E-08	8.23E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
2016	495411.06	3859451.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.18E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.36E-08	3.06E-09	1.94E-08	3.00E-09	2.53E-09	4.16E-08
2017	495461.06	3859451.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
2018	495511.06	3859451.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
2019	495561.06	3859451.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.19E-08	8.81E-08	7.99E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.47E-09	4.06E-08
2020	495611.06	3859451.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.14E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.45E-09	4.03E-08
2021	495661.06	3859451.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.00E-08
2022	494311.06	3859501.99	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.57E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.58E-09	2.27E-08	3.51E-09	2.96E-09	4.86E-08
2023	494361.06	3859501.99	1.41E-04	1.73E-04	1.51E-04	4.89E-08	1.48E-07	8.54E-08	1.05E-07	9.48E-08	4.33E-08	3.79E-08	0.00E+00	0.00E+00	1.57E-08	3.55E-09	2.25E-08	3.47E-09	2.94E-09	4.82E-08

2024	494411.06	3859501.99	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.41E-08	1.03E-07	9.34E-08	4.26E-08	3.73E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.42E-09	2.89E-09	4.75E-08
2025	494461.06	3859501.99	1.39E-04	1.70E-04	1.49E-04	4.80E-08	1.45E-07	8.39E-08	1.03E-07	9.32E-08	4.25E-08	3.73E-08	0.00E+00	0.00E+00	1.54E-08	3.49E-09	2.21E-08	3.41E-09	2.89E-09	4.74E-08
2026	494511.06	3859501.99	1.37E-04	1.68E-04	1.47E-04	4.76E-08	1.44E-07	8.31E-08	1.02E-07	9.23E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.19E-08	3.38E-09	2.86E-09	4.69E-08
2027	494561.06	3859501.99	1.36E-04	1.67E-04	1.46E-04	4.72E-08	1.42E-07	8.24E-08	1.01E-07	9.15E-08	4.18E-08	3.66E-08	0.00E+00	0.00E+00	1.52E-08	3.43E-09	2.18E-08	3.35E-09	2.83E-09	4.65E-08
2028	494611.06	3859501.99	1.36E-04	1.67E-04	1.46E-04	4.71E-08	1.42E-07	8.23E-08	1.01E-07	9.14E-08	4.17E-08	3.66E-08	0.00E+00	0.00E+00	1.51E-08	3.42E-09	2.17E-08	3.35E-09	2.83E-09	4.65E-08
2029	494661.06	3859501.99	1.35E-04	1.65E-04	1.45E-04	4.66E-08	1.41E-07	8.15E-08	9.98E-08	9.05E-08	4.13E-08	3.62E-08	0.00E+00	0.00E+00	1.50E-08	3.39E-09	2.15E-08	3.31E-09	2.80E-09	4.60E-08
2030	494711.06	3859501.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.04E-08	9.85E-08	8.93E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.77E-09	4.54E-08
2031	494761.06	3859501.99	1.32E-04	1.62E-04	1.42E-04	4.59E-08	1.38E-07	8.01E-08	9.82E-08	8.90E-08	4.06E-08	3.56E-08	0.00E+00	0.00E+00	1.47E-08	3.33E-09	2.11E-08	3.26E-09	2.76E-09	4.52E-08
2032	494811.06	3859501.99	1.30E-04	1.60E-04	1.40E-04	4.51E-08	1.36E-07	7.88E-08	9.65E-08	8.75E-08	3.99E-08	3.50E-08	0.00E+00	0.00E+00	1.45E-08	3.28E-09	2.08E-08	3.21E-09	2.71E-09	4.45E-08
2033	494861.06	3859501.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
2034	494911.06	3859501.99	1.29E-04	1.58E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.53E-08	8.64E-08	3.94E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.05E-08	3.17E-09	2.68E-09	4.39E-08
2035	494961.06	3859501.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.44E-08	8.56E-08	3.90E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.20E-09	2.03E-08	3.14E-09	2.65E-09	4.35E-08
2036	495011.06	3859501.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.32E-07	7.67E-08	9.39E-08	8.52E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
2037	495061.06	3859501.99	1.26E-04	1.55E-04	1.35E-04	4.37E-08	1.32E-07	7.63E-08	9.35E-08	8.48E-08	3.87E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.11E-09	2.62E-09	4.31E-08
2038	495111.06	3859501.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.56E-08	9.26E-08	8.40E-08	3.83E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	2.00E-08	3.08E-09	2.60E-09	4.27E-08
2039	495161.06	3859501.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.39E-08	3.13E-09	1.99E-08	3.06E-09	2.59E-09	4.25E-08
2040	495211.06	3859501.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
2041	495261.06	3859501.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.16E-08	8.30E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
2042	495311.06	3859501.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.27E-08	3.77E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.03E-09	2.56E-09	4.21E-08
2043	495361.06	3859501.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.18E-08
2044	495411.06	3859501.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.19E-08	3.74E-08	3.27E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.16E-08
2045	495461.06	3859501.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
2046	495511.06	3859501.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.86E-08	8.03E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
2047	495561.06	3859501.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
2048	495611.06	3859501.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
2049	495661.06	3859501.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.00E-08
2050	494311.06	3859551.99	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.52E-08	1.04E-07	9.46E-08	4.31E-08	3.78E-08	0.00E+00	0.00E+00	1.57E-08	3.54E-09	2.25E-08	3.46E-09	2.93E-09	4.81E-08
2051	494361.06	3859551.99	1.39E-04	1.71E-04	1.50E-04	4.82E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.43E-09	2.90E-09	4.76E-08
2052	494411.06	3859551.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.44E-07	8.31E-08	1.02E-07	9.22E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.38E-09	2.86E-09	4.69E-08
2053	494461.06	3859551.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.22E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.38E-09	2.86E-09	4.69E-08
2054	494511.06	3859551.99	1.36E-04	1.67E-04	1.46E-04	4.71E-08	1.42E-07	8.23E-08	1.01E-07	9.14E-08	4.17E-08	3.66E-08	0.00E+00	0.00E+00	1.51E-08	3.42E-09	2.17E-08	3.35E-09	2.83E-09	4.65E-08
2055	494561.06	3859551.99	1.35E-04	1.65E-04	1.45E-04	4.68E-08	1.41E-07	8.17E-08	1.00E-07	9.08E-08	4.14E-08	3.63E-08	0.00E+00	0.00E+00	1.50E-08	3.40E-09	2.16E-08	3.33E-09	2.81E-09	4.61E-08
2056	494611.06	3859551.99	1.34E-04	1.65E-04	1.44E-04	4.65E-08	1.41E-07	8.14E-08	9.96E-08	9.03E-08	4.12E-08	3.61E-08	0.00E+00	0.00E+00	1.50E-08	3.38E-09	2.15E-08	3.31E-09	2.80E-09	4.59E-08
2057	494661.06	3859551.99	1.34E-04	1.64E-04	1.43E-04	4.62E-08	1.40E-07	8.08E-08	9.90E-08	8.98E-08	4.10E-08	3.59E-08	0.00E+00	0.00E+00	1.49E-08	3.36E-09	2.13E-08	3.29E-09	2.78E-09	4.56E-08
2058	494711.06	3859551.99	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.94E-08	9.73E-08	8.82E-08	4.02E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.10E-08	3.23E-09	2.73E-09	4.48E-08
2059	494761.06	3859551.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.96E-08	9.75E-08	8.83E-08	4.03E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.31E-09	2.10E-08	3.24E-09	2.74E-09	4.49E-08
2060	494811.06	3859551.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.61E-08	8.71E-08	3.98E-08	3.48E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.70E-09	4.43E-08
2061	494861.06	3859551.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
2062	494911.06	3859551.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.15E-09	2.66E-09	4.36E-08
2063	494961.06	3859551.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.42E-08	8.54E-08	3.90E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.20E-09	2.03E-08	3.13E-09	2.65E-09	4.34E-08
2064	495011.06	3859551.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.32E-07	7.67E-08	9.39E-08	8.51E-08	3.88E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
2065	495061.06	3859551.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.33E-08	8.46E-08	3.86E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
2066	495111.06	3859551.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.25E-08	8.39E-08	3.83E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.07E-09	2.60E-09	4.26E-08
2067	495161.06	3859551.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.13E-09	1.99E-08	3.06E-09	2.59E-09	4.25E-08
2068	495211.06	3859551.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.24E-08
2069	495261.06	3859551.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.03E-09	2.56E-09	4.21E-08
2070	495311.06	3859551.99	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.42E-08	9.09E-08	8.24E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
2071	495361.06	3859551.99	1.22E-04	1.49E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.17E-08
2072	495411.06	3859551.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
2073	495461.06	3859551.99	1.21E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.10E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.97E-09	2.51E-09	4.12E-08
2074	495511.06	3859551.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.23E-08	8.85E-08	8.02E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.91E-08	2.94E-09	2.48E-09	4.08E-08
2075	495561.06	3859551.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.19E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.92E-09	2.47E-09	4.06E-08
2076	495611.06	3859551.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.14E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.91E-09	2.46E-09	4.03E-08
2077	495661.06	3859551.99	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
2078	494311.06	3859601.99	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.26E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.42E-09	2.89E-09	4.75E-08
2079	494361.06	3859601.99	1.37E-04	1.68E-04	1.47E-04	4.75E-08	1.43E-07	8.30E-08	1.02E-07	9.22E-08	4.21E-08	3.69E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.38E-09	2.85E-09	4.69E-08
2080	494411.06	3859601.99	1.36E-04	1.66E-04	1.46E-04	4.71E-08	1.42E-07	8.22E-08	1.01E-07	9.13E-08	4.17E-08	3.65E-08	0.00E+00	0.00E+00	1.51E-08	3.42E-09	2.17E-08	3.35E-09	2.83E-09	4.64E-08
2081	494461.06	3859601.99	1.36E-04	1.66E-04	1.46E-04	4.70E-08	1.42E-07	8.21E-08	1.01E-07	9.12E-08	4.16E-08	3.65E-08	0.00E+00	0.00E+00	1.51E-08	3.42E-09	2.17E-08	3.34E-09	2.82E-09	4.64E-08

2082	494511.06	3859601.99	1.34E-04	1.65E-04	1.44E-04	4.65E-08	1.40E-07	8.13E-08	9.95E-08	9.02E-08	4.12E-08	3.61E-08	0.00E+00	0.00E+00	1.50E-08	3.38E-09	2.14E-08	3.31E-09	2.79E-09	4.59E-08
2083	494561.06	3859601.99	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.11E-08	9.93E-08	9.00E-08	4.11E-08	3.60E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.30E-09	2.79E-09	4.58E-08
2084	494611.06	3859601.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.39E-07	8.07E-08	9.89E-08	8.96E-08	4.09E-08	3.58E-08	0.00E+00	0.00E+00	1.49E-08	3.36E-09	2.13E-08	3.28E-09	2.78E-09	4.56E-08
2085	494661.06	3859601.99	1.32E-04	1.61E-04	1.42E-04	4.56E-08	1.38E-07	7.98E-08	9.77E-08	8.86E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.10E-08	3.25E-09	2.74E-09	4.50E-08
2086	494711.06	3859601.99	1.30E-04	1.60E-04	1.40E-04	4.51E-08	1.36E-07	7.88E-08	9.66E-08	8.75E-08	3.99E-08	3.50E-08	0.00E+00	0.00E+00	1.45E-08	3.28E-09	2.08E-08	3.21E-09	2.71E-09	4.45E-08
2087	494761.06	3859601.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.91E-08	9.69E-08	8.79E-08	4.01E-08	3.51E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
2088	494811.06	3859601.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.81E-08	9.57E-08	8.67E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
2089	494861.06	3859601.99	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.77E-08	9.51E-08	8.62E-08	3.93E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.23E-09	2.05E-08	3.16E-09	2.67E-09	4.38E-08
2090	494911.06	3859601.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.20E-09	2.03E-08	3.13E-09	2.64E-09	4.34E-08
2091	494961.06	3859601.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.20E-09	2.03E-08	3.13E-09	2.64E-09	4.34E-08
2092	495011.06	3859601.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.01E-08	3.09E-09	2.61E-09	4.29E-08
2093	495061.06	3859601.99	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.15E-09	2.00E-08	3.09E-09	2.61E-09	4.28E-08
2094	495111.06	3859601.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.52E-08	9.21E-08	8.35E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.13E-09	1.98E-08	3.06E-09	2.59E-09	4.25E-08
2095	495161.06	3859601.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.18E-08	8.33E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
2096	495211.06	3859601.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.56E-09	4.21E-08
2097	495261.06	3859601.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.25E-08	3.76E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
2098	495311.06	3859601.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.07E-08	8.22E-08	3.75E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.95E-08	3.01E-09	2.54E-09	4.18E-08
2099	495361.06	3859601.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.02E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
2100	495411.06	3859601.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
2101	495461.06	3859601.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.95E-09	2.50E-09	4.10E-08
2102	495511.06	3859601.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.19E-08	8.81E-08	7.99E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.47E-09	4.06E-08
2103	495561.06	3859601.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
2104	495611.06	3859601.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.69E-08	7.88E-08	3.60E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.01E-08
2105	495661.06	3859601.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.86E-08	2.88E-09	2.43E-09	3.99E-08
2106	494311.06	3859651.99	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.20E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.52E-08	3.45E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
2107	494361.06	3859651.99	1.35E-04	1.66E-04	1.45E-04	4.69E-08	1.42E-07	8.19E-08	1.00E-07	9.09E-08	4.15E-08	3.64E-08	0.00E+00	0.00E+00	1.51E-08	3.41E-09	2.16E-08	3.33E-09	2.82E-09	4.62E-08
2108	494411.06	3859651.99	1.35E-04	1.65E-04	1.44E-04	4.66E-08	1.41E-07	8.14E-08	9.97E-08	9.04E-08	4.12E-08	3.61E-08	0.00E+00	0.00E+00	1.50E-08	3.38E-09	2.15E-08	3.31E-09	2.80E-09	4.59E-08
2109	494461.06	3859651.99	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.12E-08	9.95E-08	9.02E-08	4.12E-08	3.61E-08	0.00E+00	0.00E+00	1.49E-08	3.38E-09	2.14E-08	3.31E-09	2.79E-09	4.59E-08
2110	494511.06	3859651.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.39E-07	8.07E-08	9.89E-08	8.96E-08	4.09E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.36E-09	2.13E-08	3.28E-09	2.77E-09	4.56E-08
2111	494561.06	3859651.99	1.33E-04	1.63E-04	1.42E-04	4.59E-08	1.39E-07	8.03E-08	9.84E-08	8.92E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.53E-08
2112	494611.06	3859651.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.99E-08	9.79E-08	8.87E-08	4.05E-08	3.55E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.75E-09	4.51E-08
2113	494661.06	3859651.99	1.30E-04	1.60E-04	1.40E-04	4.51E-08	1.36E-07	7.89E-08	9.66E-08	8.76E-08	4.00E-08	3.50E-08	0.00E+00	0.00E+00	1.45E-08	3.28E-09	2.08E-08	3.21E-09	2.71E-09	4.45E-08
2114	494711.06	3859651.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.70E-09	4.43E-08
2115	494761.06	3859651.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
2116	494811.06	3859651.99	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.76E-08	9.50E-08	8.61E-08	3.93E-08	3.44E-08	0.00E+00	0.00E+00	1.43E-08	3.22E-09	2.05E-08	3.16E-09	2.67E-09	4.38E-08
2117	494861.06	3859651.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.33E-07	7.72E-08	9.45E-08	8.57E-08	3.91E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.65E-09	4.36E-08
2118	494911.06	3859651.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.32E-07	7.67E-08	9.39E-08	8.51E-08	3.88E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
2119	494961.06	3859651.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.63E-08	9.34E-08	8.47E-08	3.86E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.31E-08
2120	495011.06	3859651.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.61E-09	4.28E-08
2121	495061.06	3859651.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.25E-08	8.38E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.07E-09	2.60E-09	4.26E-08
2122	495111.06	3859651.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.18E-08	8.33E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
2123	495161.06	3859651.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.28E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.56E-09	4.21E-08
2124	495211.06	3859651.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.25E-08	3.76E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
2125	495261.06	3859651.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.21E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
2126	495311.06	3859651.99	1.22E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
2127	495361.06	3859651.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.32E-08	8.97E-08	8.13E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
2128	495411.06	3859651.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.92E-08	8.09E-08	3.69E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.96E-09	2.50E-09	4.11E-08
2129	495461.06	3859651.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.02E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.94E-09	2.48E-09	4.08E-08
2130	495511.06	3859651.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
2131	495561.06	3859651.99	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.92E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
2132	495611.06	3859651.99	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
2133	495661.06	3859651.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.81E-08	3.57E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.93E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
2134	494311.06	3859701.99	1.34E-04	1.64E-04	1.44E-04	4.65E-08	1.40E-07	8.12E-08	9.95E-08	9.02E-08	4.11E-08	3.61E-08	0.00E+00	0.00E+00	1.49E-08	3.38E-09	2.14E-08	3.30E-09	2.79E-09	4.58E-08
2135	494361.06	3859701.99	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.39E-07	8.07E-08	9.88E-08	8.96E-08	4.09E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.13E-08	3.28E-09	2.77E-09	4.55E-08
2136	494411.06	3859701.99	1.33E-04	1.63E-04	1.43E-04	4.60E-08	1.39E-07	8.03E-08	9.84E-08	8.92E-08	4.07E-08	3.57E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.53E-08
2137	494461.06	3859701.99	1.33E-04	1.62E-04	1.42E-04	4.59E-08	1.39E-07	8.03E-08	9.83E-08	8.91E-08	4.07E-08	3.56E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.27E-09	2.76E-09	4.53E-08
2138	494511.06	3859701.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.98E-08	9.77E-08	8.86E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.74E-09	4.50E-08
2139	494561.06	3859701.99	1.31E-04	1.61E-04	1.41E-04	4.55E-08	1.37E-07	7.94E-08	9.73E-08	8.82E-08	4.02E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.10E-08	3.23E-09	2.73E-09	4.48E-08

2140	494611.06	3859701.99	1.31E-04	1.60E-04	1.40E-04	4.52E-08	1.37E-07	7.91E-08	9.68E-08	8.78E-08	4.00E-08	3.51E-08	0.00E+00	0.00E+00	1.45E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.46E-08
2141	494661.06	3859701.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.81E-08	9.56E-08	8.67E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.68E-09	4.41E-08
2142	494711.06	3859701.99	1.29E-04	1.58E-04	1.38E-04	4.45E-08	1.34E-07	7.79E-08	9.54E-08	8.64E-08	3.94E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.05E-08	3.17E-09	2.68E-09	4.39E-08
2143	494761.06	3859701.99	1.28E-04	1.57E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.59E-08	3.92E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.15E-09	2.66E-09	4.36E-08
2144	494811.06	3859701.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
2145	494861.06	3859701.99	1.27E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.66E-08	9.38E-08	8.50E-08	3.88E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.18E-09	2.02E-08	3.12E-09	2.63E-09	4.32E-08
2146	494911.06	3859701.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.61E-08	9.32E-08	8.45E-08	3.86E-08	3.38E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
2147	494961.06	3859701.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.56E-08	9.26E-08	8.40E-08	3.83E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	2.00E-08	3.08E-09	2.60E-09	4.27E-08
2148	495011.06	3859701.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.53E-08	9.23E-08	8.36E-08	3.82E-08	3.34E-08	0.00E+00	0.00E+00	1.39E-08	3.13E-09	1.99E-08	3.06E-09	2.59E-09	4.25E-08
2149	495061.06	3859701.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.29E-07	7.49E-08	9.18E-08	8.32E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
2150	495111.06	3859701.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.45E-08	9.13E-08	8.27E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.03E-09	2.56E-09	4.21E-08
2151	495161.06	3859701.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.07E-08	8.23E-08	3.75E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.95E-08	3.01E-09	2.55E-09	4.18E-08
2152	495211.06	3859701.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.02E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.16E-08
2153	495261.06	3859701.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.99E-09	2.52E-09	4.14E-08
2154	495311.06	3859701.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.30E-08	8.94E-08	8.11E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
2155	495361.06	3859701.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.95E-09	2.50E-09	4.10E-08
2156	495411.06	3859701.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
2157	495461.06	3859701.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.46E-09	4.04E-08
2158	495511.06	3859701.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.09E-08	8.69E-08	7.88E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.00E-08
2159	495561.06	3859701.99	1.17E-04	1.43E-04	1.26E-04	4.05E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
2160	495611.06	3859701.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.42E-09	3.98E-08
2161	495661.06	3859701.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.58E-08	7.77E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
2162	494311.06	3859751.99	1.33E-04	1.62E-04	1.42E-04	4.59E-08	1.39E-07	8.02E-08	9.83E-08	8.91E-08	4.06E-08	3.56E-08	0.00E+00	0.00E+00	1.48E-08	3.34E-09	2.12E-08	3.26E-09	2.76E-09	4.53E-08
2163	494361.06	3859751.99	1.32E-04	1.62E-04	1.42E-04	4.57E-08	1.38E-07	7.98E-08	9.77E-08	8.86E-08	4.04E-08	3.54E-08	0.00E+00	0.00E+00	1.47E-08	3.32E-09	2.11E-08	3.25E-09	2.74E-09	4.50E-08
2164	494411.06	3859751.99	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.93E-08	9.71E-08	8.81E-08	4.02E-08	3.52E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.09E-08	3.23E-09	2.73E-09	4.48E-08
2165	494461.06	3859751.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.91E-08	9.69E-08	8.79E-08	4.01E-08	3.51E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
2166	494511.06	3859751.99	1.30E-04	1.60E-04	1.40E-04	4.51E-08	1.36E-07	7.89E-08	9.66E-08	8.76E-08	4.00E-08	3.50E-08	0.00E+00	0.00E+00	1.45E-08	3.28E-09	2.08E-08	3.21E-09	2.71E-09	4.45E-08
2167	494561.06	3859751.99	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.61E-08	8.71E-08	3.97E-08	3.48E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.70E-09	4.43E-08
2168	494611.06	3859751.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
2169	494661.06	3859751.99	1.28E-04	1.56E-04	1.37E-04	4.42E-08	1.34E-07	7.73E-08	9.47E-08	8.58E-08	3.92E-08	3.43E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.04E-08	3.14E-09	2.66E-09	4.36E-08
2170	494711.06	3859751.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.44E-08	8.56E-08	3.90E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.20E-09	2.03E-08	3.13E-09	2.65E-09	4.35E-08
2171	494761.06	3859751.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.67E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
2172	494811.06	3859751.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.62E-08	9.34E-08	8.47E-08	3.86E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
2173	494861.06	3859751.99	1.25E-04	1.54E-04	1.35E-04	4.34E-08	1.31E-07	7.59E-08	9.29E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.15E-09	2.00E-08	3.09E-09	2.61E-09	4.28E-08
2174	494911.06	3859751.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.25E-08	8.38E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.07E-09	2.60E-09	4.26E-08
2175	494961.06	3859751.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
2176	495011.06	3859751.99	1.23E-04	1.51E-04	1.33E-04	4.27E-08	1.29E-07	7.47E-08	9.15E-08	8.29E-08	3.78E-08	3.32E-08	0.00E+00	0.00E+00	1.37E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
2177	495061.06	3859751.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.28E-07	7.44E-08	9.11E-08	8.26E-08	3.77E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.03E-09	2.56E-09	4.20E-08
2178	495111.06	3859751.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.22E-08	3.75E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.95E-08	3.01E-09	2.54E-09	4.18E-08
2179	495161.06	3859751.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
2180	495211.06	3859751.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.31E-08	8.96E-08	8.12E-08	3.70E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.13E-08
2181	495261.06	3859751.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.28E-08	8.92E-08	8.08E-08	3.69E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.96E-09	2.50E-09	4.11E-08
2182	495311.06	3859751.99	1.20E-04	1.47E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
2183	495361.06	3859751.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	2.99E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
2184	495411.06	3859751.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.46E-09	4.04E-08
2185	495461.06	3859751.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.12E-08	8.72E-08	7.90E-08	3.61E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
2186	495511.06	3859751.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.07E-08	8.65E-08	7.84E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.86E-08	2.87E-09	2.43E-09	3.99E-08
2187	495561.06	3859751.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.80E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.42E-09	3.97E-08
2188	495611.06	3859751.99	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.84E-08	2.84E-09	2.40E-09	3.95E-08
2189	495661.06	3859751.99	1.15E-04	1.41E-04	1.24E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.84E-08	2.83E-09	2.39E-09	3.93E-08
2190	494311.06	3859801.99	1.31E-04	1.60E-04	1.40E-04	4.53E-08	1.37E-07	7.92E-08	9.70E-08	8.79E-08	4.01E-08	3.52E-08	0.00E+00	0.00E+00	1.46E-08	3.29E-09	2.09E-08	3.22E-09	2.72E-09	4.47E-08
2191	494361.06	3859801.99	1.30E-04	1.59E-04	1.40E-04	4.50E-08	1.36E-07	7.87E-08	9.64E-08	8.74E-08	3.99E-08	3.49E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.08E-08	3.20E-09	2.71E-09	4.44E-08
2192	494411.06	3859801.99	1.29E-04	1.58E-04	1.39E-04	4.47E-08	1.35E-07	7.82E-08	9.58E-08	8.68E-08	3.96E-08	3.47E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.41E-08
2193	494461.06	3859801.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
2194	494511.06	3859801.99	1.29E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.53E-08	8.64E-08	3.94E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.23E-09	2.05E-08	3.16E-09	2.67E-09	4.39E-08
2195	494561.06	3859801.99	1.28E-04	1.57E-04	1.37E-04	4.43E-08	1.34E-07	7.74E-08	9.48E-08	8.59E-08	3.92E-08	3.44E-08	0.00E+00	0.00E+00	1.42E-08	3.22E-09	2.04E-08	3.15E-09	2.66E-09	4.37E-08
2196	494611.06	3859801.99	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.68E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.03E-08	3.13E-09	2.64E-09	4.34E-08
2197	494661.06	3859801.99	1.26E-04	1.55E-04	1.36E-04	4.37E-08	1.32E-07	7.64E-08	9.36E-08	8.49E-08	3.87E-08	3.39E-08	0.00E+00	0.00E+00	1.41E-08	3.18E-09	2.02E-08	3.11E-09	2.63E-09	4.31E-08

2198	494711.06	3859801.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.00E-08	3.09E-09	2.61E-09	4.29E-08
2199	494761.06	3859801.99	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.28E-08	8.42E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.61E-09	4.28E-08
2200	494811.06	3859801.99	1.25E-04	1.53E-04	1.34E-04	4.31E-08	1.30E-07	7.54E-08	9.23E-08	8.37E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.13E-09	1.99E-08	3.07E-09	2.59E-09	4.26E-08
2201	494861.06	3859801.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.51E-08	9.19E-08	8.33E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.24E-08
2202	494911.06	3859801.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.29E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.57E-09	4.21E-08
2203	494961.06	3859801.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.25E-08	3.76E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
2204	495011.06	3859801.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
2205	495061.06	3859801.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
2206	495111.06	3859801.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.96E-08	8.12E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.04E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
2207	495161.06	3859801.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.28E-08	8.91E-08	8.08E-08	3.69E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.96E-09	2.50E-09	4.11E-08
2208	495211.06	3859801.99	1.20E-04	1.47E-04	1.29E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
2209	495261.06	3859801.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.48E-09	4.06E-08
2210	495311.06	3859801.99	1.19E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
2211	495361.06	3859801.99	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.13E-08	8.74E-08	7.92E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.45E-09	4.03E-08
2212	495411.06	3859801.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
2213	495461.06	3859801.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.05E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.43E-09	3.98E-08
2214	495511.06	3859801.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
2215	495561.06	3859801.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2216	495611.06	3859801.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.52E-08	7.72E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.83E-09	2.39E-09	3.92E-08
2217	495661.06	3859801.99	1.14E-04	1.40E-04	1.23E-04	3.95E-08	1.19E-07	6.91E-08	8.46E-08	7.67E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.90E-08
2218	494311.06	3859851.99	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.80E-08	9.55E-08	8.66E-08	3.95E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
2219	494361.06	3859851.99	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.76E-08	9.50E-08	8.61E-08	3.93E-08	3.44E-08	0.00E+00	0.00E+00	1.43E-08	3.22E-09	2.05E-08	3.16E-09	2.67E-09	4.38E-08
2220	494411.06	3859851.99	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.71E-08	9.45E-08	8.56E-08	3.91E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.21E-09	2.03E-08	3.14E-09	2.65E-09	4.35E-08
2221	494461.06	3859851.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.68E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.03E-08	3.12E-09	2.64E-09	4.33E-08
2222	494511.06	3859851.99	1.26E-04	1.55E-04	1.36E-04	4.38E-08	1.32E-07	7.65E-08	9.37E-08	8.49E-08	3.88E-08	3.40E-08	0.00E+00	0.00E+00	1.41E-08	3.18E-09	2.02E-08	3.11E-09	2.63E-09	4.32E-08
2223	494561.06	3859851.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.63E-08	9.34E-08	8.47E-08	3.86E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
2224	494611.06	3859851.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.57E-08	9.28E-08	8.41E-08	3.84E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.60E-09	4.27E-08
2225	494661.06	3859851.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.24E-08	8.38E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.07E-09	2.59E-09	4.26E-08
2226	494711.06	3859851.99	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.19E-08	8.33E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
2227	494761.06	3859851.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.16E-08	8.30E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
2228	494811.06	3859851.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.44E-08	9.11E-08	8.26E-08	3.77E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.03E-09	2.56E-09	4.20E-08
2229	494861.06	3859851.99	1.22E-04	1.50E-04	1.31E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.75E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.01E-09	2.55E-09	4.18E-08
2230	494911.06	3859851.99	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.19E-08	3.74E-08	3.27E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.94E-08	3.00E-09	2.53E-09	4.16E-08
2231	494961.06	3859851.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.99E-09	2.52E-09	4.14E-08
2232	495011.06	3859851.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.30E-08	8.95E-08	8.11E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
2233	495061.06	3859851.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.91E-08	8.07E-08	3.68E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.96E-09	2.50E-09	4.10E-08
2234	495111.06	3859851.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.86E-08	8.03E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
2235	495161.06	3859851.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.81E-08	7.99E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.93E-09	2.47E-09	4.06E-08
2236	495211.06	3859851.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
2237	495261.06	3859851.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.91E-08	3.61E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
2238	495311.06	3859851.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.69E-08	7.88E-08	3.60E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.01E-08
2239	495361.06	3859851.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.65E-08	7.84E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.86E-08	2.87E-09	2.43E-09	3.99E-08
2240	495411.06	3859851.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.41E-09	3.96E-08
2241	495461.06	3859851.99	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.29E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2242	495511.06	3859851.99	1.15E-04	1.41E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.71E-08	3.52E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.82E-09	2.39E-09	3.92E-08
2243	495561.06	3859851.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.19E-07	6.92E-08	8.47E-08	7.68E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.82E-08	2.81E-09	2.38E-09	3.90E-08
2244	495611.06	3859851.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.43E-08	7.65E-08	3.49E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.86E-09	1.82E-08	2.80E-09	2.37E-09	3.89E-08
2245	495661.06	3859851.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.78E-09	2.35E-09	3.86E-08
2246	494311.06	3859901.99	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.33E-07	7.67E-08	9.40E-08	8.52E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
2247	494361.06	3859901.99	1.26E-04	1.54E-04	1.35E-04	4.36E-08	1.32E-07	7.63E-08	9.34E-08	8.47E-08	3.86E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.10E-09	2.62E-09	4.30E-08
2248	494411.06	3859901.99	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.30E-08	8.43E-08	3.85E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.00E-08	3.09E-09	2.61E-09	4.29E-08
2249	494461.06	3859901.99	1.25E-04	1.53E-04	1.34E-04	4.33E-08	1.31E-07	7.56E-08	9.26E-08	8.40E-08	3.83E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	2.00E-08	3.08E-09	2.60E-09	4.27E-08
2250	494511.06	3859901.99	1.24E-04	1.52E-04	1.34E-04	4.31E-08	1.30E-07	7.53E-08	9.22E-08	8.36E-08	3.82E-08	3.34E-08	0.00E+00	0.00E+00	1.39E-08	3.13E-09	1.99E-08	3.06E-09	2.59E-09	4.25E-08
2251	494561.06	3859901.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
2252	494611.06	3859901.99	1.23E-04	1.51E-04	1.32E-04	4.27E-08	1.29E-07	7.46E-08	9.14E-08	8.29E-08	3.78E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.10E-09	1.97E-08	3.04E-09	2.57E-09	4.21E-08
2253	494661.06	3859901.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.44E-08	9.11E-08	8.26E-08	3.77E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.03E-09	2.56E-09	4.20E-08
2254	494711.06	3859901.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.21E-08	3.75E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
2255	494761.06	3859901.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.37E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.36E-08	3.06E-09	1.94E-08	3.00E-09	2.53E-09	4.16E-08

2256	494811.06	3859901.99	1.21E-04	1.49E-04	1.30E-04	4.20E-08	1.27E-07	7.34E-08	8.99E-08	8.15E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.94E-08	2.99E-09	2.52E-09	4.14E-08
2257	494861.06	3859901.99	1.21E-04	1.48E-04	1.30E-04	4.18E-08	1.26E-07	7.31E-08	8.95E-08	8.12E-08	3.70E-08	3.25E-08	0.00E+00	0.00E+00	1.34E-08	3.04E-09	1.93E-08	2.97E-09	2.51E-09	4.13E-08
2258	494911.06	3859901.99	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.26E-07	7.27E-08	8.91E-08	8.08E-08	3.68E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.96E-09	2.50E-09	4.11E-08
2259	494961.06	3859901.99	1.20E-04	1.47E-04	1.29E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
2260	495011.06	3859901.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.25E-07	7.21E-08	8.83E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
2261	495061.06	3859901.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.79E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
2262	495111.06	3859901.99	1.18E-04	1.45E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.45E-09	4.03E-08
2263	495161.06	3859901.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.89E-08	3.60E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.01E-08
2264	495211.06	3859901.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.43E-09	3.99E-08
2265	495261.06	3859901.99	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.81E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
2266	495311.06	3859901.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
2267	495361.06	3859901.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2268	495411.06	3859901.99	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.70E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.88E-09	1.83E-08	2.82E-09	2.39E-09	3.92E-08
2269	495461.06	3859901.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.90E-08	8.46E-08	7.67E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.90E-08
2270	495511.06	3859901.99	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.88E-08	8.42E-08	7.63E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.86E-09	1.81E-08	2.80E-09	2.36E-09	3.88E-08
2271	495561.06	3859901.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.35E-09	3.86E-08
2272	495611.06	3859901.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.84E-08
2273	495661.06	3859901.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
2274	494311.06	3859951.99	1.25E-04	1.53E-04	1.34E-04	4.32E-08	1.30E-07	7.55E-08	9.25E-08	8.38E-08	3.82E-08	3.35E-08	0.00E+00	0.00E+00	1.39E-08	3.14E-09	1.99E-08	3.07E-09	2.60E-09	4.26E-08
2275	494361.06	3859951.99	1.24E-04	1.52E-04	1.33E-04	4.30E-08	1.30E-07	7.51E-08	9.20E-08	8.34E-08	3.81E-08	3.34E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.06E-09	2.58E-09	4.24E-08
2276	494411.06	3859951.99	1.24E-04	1.51E-04	1.33E-04	4.28E-08	1.29E-07	7.48E-08	9.16E-08	8.30E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.97E-08	3.04E-09	2.57E-09	4.22E-08
2277	494461.06	3859951.99	1.23E-04	1.51E-04	1.32E-04	4.26E-08	1.29E-07	7.44E-08	9.12E-08	8.27E-08	3.77E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.03E-09	2.56E-09	4.20E-08
2278	494511.06	3859951.99	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.42E-08	9.08E-08	8.23E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
2279	494561.06	3859951.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.40E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.95E-08	3.01E-09	2.54E-09	4.18E-08
2280	494611.06	3859951.99	1.22E-04	1.49E-04	1.30E-04	4.21E-08	1.27E-07	7.35E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
2281	494661.06	3859951.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
2282	494711.06	3859951.99	1.20E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.09E-08	3.69E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.97E-09	2.51E-09	4.11E-08
2283	494761.06	3859951.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.95E-09	2.50E-09	4.10E-08
2284	494811.06	3859951.99	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.86E-08	8.03E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
2285	494861.06	3859951.99	1.19E-04	1.46E-04	1.28E-04	4.12E-08	1.24E-07	7.20E-08	8.82E-08	8.00E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	2.99E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
2286	494911.06	3859951.99	1.19E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
2287	494961.06	3859951.99	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.92E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.45E-09	4.03E-08
2288	495011.06	3859951.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.89E-08	3.60E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.01E-08
2289	495061.06	3859951.99	1.17E-04	1.43E-04	1.25E-04	4.05E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.87E-08	2.88E-09	2.43E-09	3.99E-08
2290	495111.06	3859951.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
2291	495161.06	3859951.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.58E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
2292	495211.06	3859951.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2293	495261.06	3859951.99	1.15E-04	1.41E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.71E-08	3.52E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.82E-09	2.39E-09	3.92E-08
2294	495311.06	3859951.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.19E-07	6.91E-08	8.47E-08	7.68E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.38E-09	3.90E-08
2295	495361.06	3859951.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.43E-08	7.64E-08	3.49E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.86E-09	1.82E-08	2.80E-09	2.37E-09	3.89E-08
2296	495411.06	3859951.99	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
2297	495461.06	3859951.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.84E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
2298	495511.06	3859951.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.31E-08	7.54E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
2299	495561.06	3859951.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.33E-09	3.82E-08
2300	495611.06	3859951.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.25E-08	7.47E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.31E-09	3.80E-08
2301	495661.06	3859951.99	1.11E-04	1.36E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.77E-08	2.72E-09	2.30E-09	3.78E-08
2302	494311.06	3860001.99	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.09E-08	8.24E-08	3.76E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
2303	494361.06	3860001.99	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.06E-08	8.21E-08	3.75E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
2304	494411.06	3860001.99	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
2305	494461.06	3860001.99	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
2306	494511.06	3860001.99	1.21E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.30E-08	8.94E-08	8.10E-08	3.70E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.93E-08	2.97E-09	2.51E-09	4.12E-08
2307	494561.06	3860001.99	1.20E-04	1.47E-04	1.29E-04	4.17E-08	1.26E-07	7.28E-08	8.92E-08	8.08E-08	3.69E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.96E-09	2.50E-09	4.11E-08
2308	494611.06	3860001.99	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.25E-08	8.88E-08	8.05E-08	3.67E-08	3.22E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
2309	494661.06	3860001.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.22E-08	8.84E-08	8.01E-08	3.66E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.94E-09	2.48E-09	4.07E-08
2310	494711.06	3860001.99	1.19E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.79E-08	7.97E-08	3.63E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
2311	494761.06	3860001.99	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.24E-07	7.15E-08	8.76E-08	7.94E-08	3.62E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
2312	494811.06	3860001.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.12E-08	8.73E-08	7.91E-08	3.61E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
2313	494861.06	3860001.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.69E-08	7.88E-08	3.60E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.01E-08

2314	494911.06	3860001.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.64E-08	7.83E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.43E-09	3.98E-08
2315	494961.06	3860001.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.80E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.42E-09	3.97E-08
2316	495011.06	3860001.99	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.54E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
2317	495061.06	3860001.99	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.93E-08
2318	495111.06	3860001.99	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.70E-08	3.52E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.88E-09	1.83E-08	2.82E-09	2.39E-09	3.92E-08
2319	495161.06	3860001.99	1.14E-04	1.40E-04	1.23E-04	3.95E-08	1.19E-07	6.91E-08	8.46E-08	7.67E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.90E-08
2320	495211.06	3860001.99	1.14E-04	1.39E-04	1.22E-04	3.94E-08	1.19E-07	6.88E-08	8.43E-08	7.64E-08	3.49E-08	3.05E-08	0.00E+00	0.00E+00	1.27E-08	2.86E-09	1.81E-08	2.80E-09	2.37E-09	3.88E-08
2321	495261.06	3860001.99	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
2322	495311.06	3860001.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.85E-08
2323	495361.06	3860001.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.31E-08	7.54E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
2324	495411.06	3860001.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.82E-08
2325	495461.06	3860001.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.25E-08	7.48E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.31E-09	3.80E-08
2326	495511.06	3860001.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.70E-08	8.21E-08	7.44E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.30E-09	3.78E-08
2327	495561.06	3860001.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.42E-08	3.38E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
2328	495611.06	3860001.99	1.10E-04	1.35E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.29E-09	3.75E-08
2329	495661.06	3860001.99	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.10E-08	7.35E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.27E-09	3.73E-08
2330	494411.06	3860051.99	1.20E-04	1.47E-04	1.28E-04	4.14E-08	1.25E-07	7.24E-08	8.87E-08	8.04E-08	3.67E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.95E-09	2.49E-09	4.09E-08
2331	494461.06	3860051.99	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.21E-08	8.83E-08	8.01E-08	3.65E-08	3.20E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.90E-08	2.93E-09	2.48E-09	4.07E-08
2332	494511.06	3860051.99	1.19E-04	1.45E-04	1.27E-04	4.11E-08	1.24E-07	7.18E-08	8.80E-08	7.97E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
2333	494561.06	3860051.99	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
2334	494611.06	3860051.99	1.18E-04	1.44E-04	1.26E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.92E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
2335	494661.06	3860051.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.89E-08	3.60E-08	3.15E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.01E-08
2336	494711.06	3860051.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.07E-08	8.66E-08	7.85E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.86E-08	2.88E-09	2.43E-09	3.99E-08
2337	494761.06	3860051.99	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
2338	494811.06	3860051.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.02E-08	8.59E-08	7.79E-08	3.55E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
2339	494861.06	3860051.99	1.16E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2340	494911.06	3860051.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.96E-08	8.52E-08	7.73E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.84E-08	2.83E-09	2.39E-09	3.93E-08
2341	494961.06	3860051.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
2342	495011.06	3860051.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.90E-08	8.45E-08	7.66E-08	3.49E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.89E-08
2343	495061.06	3860051.99	1.13E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.41E-08	7.62E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.88E-08
2344	495111.06	3860051.99	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.37E-08	7.59E-08	3.46E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
2345	495161.06	3860051.99	1.13E-04	1.38E-04	1.21E-04	3.89E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.84E-08
2346	495211.06	3860051.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
2347	495261.06	3860051.99	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.49E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
2348	495311.06	3860051.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.72E-08	8.23E-08	7.46E-08	3.41E-08	2.98E-08	0.00E+00	0.00E+00	1.24E-08	2.79E-09	1.77E-08	2.73E-09	2.31E-09	3.79E-08
2349	495361.06	3860051.99	1.11E-04	1.36E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.77E-08	2.72E-09	2.30E-09	3.78E-08
2350	495411.06	3860051.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.67E-08	8.17E-08	7.40E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
2351	495461.06	3860051.99	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.64E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.75E-08
2352	495511.06	3860051.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
2353	495561.06	3860051.99	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.07E-08	7.31E-08	3.34E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.26E-09	3.72E-08
2354	495611.06	3860051.99	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.56E-08	8.03E-08	7.28E-08	3.32E-08	2.91E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.25E-09	3.70E-08
2355	495661.06	3860051.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.66E-09	2.24E-09	3.68E-08
2356	494411.06	3860101.99	1.18E-04	1.44E-04	1.26E-04	4.07E-08	1.23E-07	7.11E-08	8.71E-08	7.90E-08	3.60E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.89E-09	2.45E-09	4.02E-08
2357	494461.06	3860101.99	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.22E-07	7.09E-08	8.68E-08	7.87E-08	3.59E-08	3.15E-08	0.00E+00	0.00E+00	1.30E-08	2.95E-09	1.87E-08	2.88E-09	2.44E-09	4.00E-08
2358	494511.06	3860101.99	1.17E-04	1.43E-04	1.25E-04	4.04E-08	1.22E-07	7.06E-08	8.65E-08	7.84E-08	3.58E-08	3.14E-08	0.00E+00	0.00E+00	1.30E-08	2.94E-09	1.86E-08	2.87E-09	2.43E-09	3.99E-08
2359	494561.06	3860101.99	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.22E-07	7.03E-08	8.62E-08	7.81E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
2360	494611.06	3860101.99	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.01E-08	8.59E-08	7.78E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
2361	494661.06	3860101.99	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2362	494711.06	3860101.99	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.52E-08	7.72E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.83E-09	2.39E-09	3.93E-08
2363	494761.06	3860101.99	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.48E-08	7.69E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
2364	494811.06	3860101.99	1.14E-04	1.40E-04	1.22E-04	3.95E-08	1.19E-07	6.90E-08	8.45E-08	7.66E-08	3.50E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.90E-08
2365	494861.06	3860101.99	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.42E-08	7.63E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.86E-09	1.81E-08	2.80E-09	2.36E-09	3.88E-08
2366	494911.06	3860101.99	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.38E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.78E-09	2.35E-09	3.86E-08
2367	494961.06	3860101.99	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
2368	495011.06	3860101.99	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.79E-08	8.32E-08	7.54E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
2369	495061.06	3860101.99	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.82E-08
2370	495111.06	3860101.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.24E-08	7.47E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.31E-09	3.80E-08
2371	495161.06	3860101.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.21E-08	7.44E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.31E-09	3.78E-08

2372	495211.06	3860101.99	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.41E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
2373	495261.06	3860101.99	1.10E-04	1.35E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.15E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.71E-09	2.29E-09	3.75E-08
2374	495311.06	3860101.99	1.09E-04	1.34E-04	1.18E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.28E-09	3.74E-08
2375	495361.06	3860101.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.60E-08	8.08E-08	7.33E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
2376	495411.06	3860101.99	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.57E-08	8.05E-08	7.30E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.71E-08
2377	495461.06	3860101.99	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.73E-08	2.66E-09	2.25E-09	3.69E-08
2378	495511.06	3860101.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.98E-08	7.24E-08	3.30E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
2379	495561.06	3860101.99	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.49E-08	7.95E-08	7.21E-08	3.29E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.66E-08
2380	495611.06	3860101.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.46E-08	7.92E-08	7.18E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.22E-09	3.65E-08
2381	495661.06	3860101.99	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.18E-08	2.68E-09	1.70E-08	2.62E-09	2.21E-09	3.63E-08
2382	494861.06	3860151.99	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.50E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
2383	494911.06	3860151.99	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.25E-08	7.47E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.31E-09	3.80E-08
2384	494961.06	3860151.99	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.31E-09	3.79E-08
2385	495011.06	3860151.99	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.42E-08	3.38E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
2386	495061.06	3860151.99	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	0.00E+00	0.00E+00	1.22E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
2387	495111.06	3860151.99	1.10E-04	1.34E-04	1.18E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
2388	495161.06	3860151.99	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.60E-08	8.09E-08	7.33E-08	3.35E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
2389	495211.06	3860151.99	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.58E-08	8.06E-08	7.30E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.68E-09	2.26E-09	3.71E-08
2390	495261.06	3860151.99	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.55E-08	8.02E-08	7.27E-08	3.32E-08	2.91E-08	0.00E+00	0.00E+00	1.21E-08	2.72E-09	1.73E-08	2.67E-09	2.25E-09	3.70E-08
2391	495311.06	3860151.99	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.53E-08	7.99E-08	7.25E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
2392	495361.06	3860151.99	1.07E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.50E-08	7.96E-08	7.22E-08	3.29E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.67E-08
2393	495411.06	3860151.99	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.93E-08	7.19E-08	3.28E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.23E-09	3.65E-08
2394	495461.06	3860151.99	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
2395	495511.06	3860151.99	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.42E-08	7.87E-08	7.13E-08	3.25E-08	2.85E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.69E-08	2.61E-09	2.21E-09	3.63E-08
2396	495561.06	3860151.99	1.06E-04	1.30E-04	1.14E-04	3.66E-08	1.11E-07	6.40E-08	7.84E-08	7.10E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.60E-09	2.20E-09	3.61E-08
2397	495611.06	3860151.99	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.37E-08	7.80E-08	7.07E-08	3.23E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.59E-09	2.19E-09	3.60E-08
2398	495661.06	3860151.99	1.05E-04	1.28E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.77E-08	7.05E-08	3.21E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
2399	495718.25	3859442.96	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.41E-09	3.96E-08
2400	495818.25	3859442.96	1.14E-04	1.40E-04	1.23E-04	3.95E-08	1.19E-07	6.91E-08	8.46E-08	7.67E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.37E-09	3.90E-08
2401	495918.25	3859442.96	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.85E-08
2402	496018.25	3859442.96	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.50E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
2403	496118.25	3859442.96	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
2404	496218.25	3859442.96	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.31E-08	7.53E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
2405	496318.25	3859442.96	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.72E-08	8.23E-08	7.46E-08	3.41E-08	2.98E-08	0.00E+00	0.00E+00	1.24E-08	2.79E-09	1.77E-08	2.73E-09	2.31E-09	3.79E-08
2406	496418.25	3859442.96	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.65E-08	8.15E-08	7.39E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
2407	495718.25	3859542.96	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.22E-07	7.03E-08	8.62E-08	7.81E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
2408	495818.25	3859542.96	1.15E-04	1.41E-04	1.23E-04	3.98E-08	1.20E-07	6.95E-08	8.51E-08	7.72E-08	3.52E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.83E-08	2.83E-09	2.39E-09	3.92E-08
2409	495918.25	3859542.96	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
2410	496018.25	3859542.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.52E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.25E-08	2.81E-09	1.79E-08	2.75E-09	2.33E-09	3.82E-08
2411	496118.25	3859542.96	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.78E-08	8.30E-08	7.53E-08	3.44E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.83E-08
2412	496218.25	3859542.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.33E-09	3.82E-08
2413	496318.25	3859542.96	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.73E-08	8.24E-08	7.47E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.31E-09	3.80E-08
2414	496418.25	3859542.96	1.10E-04	1.35E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.75E-08
2415	495718.25	3859642.96	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2416	495818.25	3859642.96	1.14E-04	1.40E-04	1.22E-04	3.94E-08	1.19E-07	6.89E-08	8.44E-08	7.65E-08	3.49E-08	3.06E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.80E-09	2.37E-09	3.89E-08
2417	495918.25	3859642.96	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.83E-08	8.37E-08	7.59E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
2418	496018.25	3859642.96	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.50E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
2419	496118.25	3859642.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.33E-09	3.82E-08
2420	496218.25	3859642.96	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.50E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
2421	496318.25	3859642.96	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
2422	496418.25	3859642.96	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.49E-08	7.95E-08	7.20E-08	3.29E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.66E-08
2423	495718.25	3859742.96	1.15E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.93E-08	8.49E-08	7.69E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
2424	495818.25	3859742.96	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.38E-08	7.59E-08	3.46E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
2425	495918.25	3859742.96	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.29E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.25E-08	2.81E-09	1.79E-08	2.75E-09	2.33E-09	3.82E-08
2426	496018.25	3859742.96	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.77E-08	2.72E-09	2.30E-09	3.78E-08
2427	496118.25	3859742.96	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
2428	496218.25	3859742.96	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.15E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
2429	496318.25	3859742.96	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.73E-08	2.66E-09	2.25E-09	3.69E-08

2430	496418.25	3859742.96	1.06E-04	1.30E-04	1.14E-04	3.66E-08	1.11E-07	6.40E-08	7.84E-08	7.11E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.60E-09	2.20E-09	3.61E-08
2431	495718.25	3859842.96	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.84E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
2432	495818.25	3859842.96	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.50E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
2433	495918.25	3859842.96	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
2434	496018.25	3859842.96	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.63E-08	8.13E-08	7.37E-08	3.36E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
2435	496118.25	3859842.96	1.10E-04	1.34E-04	1.18E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
2436	496218.25	3859842.96	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.98E-08	7.24E-08	3.30E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
2437	496318.25	3859842.96	1.04E-04	1.27E-04	1.11E-04	3.60E-08	1.09E-07	6.28E-08	7.70E-08	6.98E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.16E-08	2.61E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
2438	496418.25	3859842.96	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.47E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.48E-09	2.10E-09	3.44E-08
2439	495718.25	3859942.96	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.42E-08	3.38E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
2440	495818.25	3859942.96	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
2441	495918.25	3859942.96	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.56E-08	8.04E-08	7.29E-08	3.32E-08	2.91E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.70E-08
2442	496018.25	3859942.96	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.53E-08	8.00E-08	7.25E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.72E-08	2.66E-09	2.25E-09	3.69E-08
2443	496118.25	3859942.96	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
2444	496218.25	3859942.96	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.32E-08	7.74E-08	7.02E-08	3.20E-08	2.81E-08	0.00E+00	0.00E+00	1.16E-08	2.63E-09	1.67E-08	2.57E-09	2.17E-09	3.57E-08
2445	496318.25	3859942.96	1.02E-04	1.25E-04	1.09E-04	3.53E-08	1.07E-07	6.17E-08	7.56E-08	6.85E-08	3.13E-08	2.74E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.51E-09	2.12E-09	3.48E-08
2446	496418.25	3859942.96	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.94E-08	7.28E-08	6.60E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.04E-09	3.35E-08
2447	496856.82	3858864.83	9.78E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.03E-09	3.34E-08
2448	496956.82	3858864.83	9.63E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.29E-08
2449	497056.82	3858864.83	9.50E-05	1.16E-04	1.02E-04	3.29E-08	9.93E-08	5.75E-08	7.04E-08	6.38E-08	2.91E-08	2.55E-08	0.00E+00	0.00E+00	1.06E-08	2.39E-09	1.52E-08	2.34E-09	1.98E-09	3.24E-08
2450	497156.82	3858864.83	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.75E-08	5.64E-08	6.91E-08	6.27E-08	2.86E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.94E-09	3.18E-08
2451	497256.82	3858864.83	9.28E-05	1.14E-04	9.96E-05	3.21E-08	9.70E-08	5.61E-08	6.87E-08	6.23E-08	2.84E-08	2.49E-08	0.00E+00	0.00E+00	1.03E-08	2.33E-09	1.48E-08	2.28E-09	1.93E-09	3.17E-08
2452	496856.82	3858964.83	9.98E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.04E-08	7.39E-08	6.70E-08	3.06E-08	2.68E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.46E-09	2.07E-09	3.41E-08
2453	496956.82	3858964.83	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.56E-08	3.00E-08	2.62E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.03E-09	3.34E-08
2454	497056.82	3858964.83	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.46E-08	2.95E-08	2.58E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.28E-08
2455	497156.82	3858964.83	9.46E-05	1.16E-04	1.02E-04	3.28E-08	9.89E-08	5.73E-08	7.01E-08	6.36E-08	2.90E-08	2.54E-08	0.00E+00	0.00E+00	1.05E-08	2.38E-09	1.51E-08	2.33E-09	1.97E-09	3.23E-08
2456	497256.82	3858964.83	9.54E-05	1.17E-04	1.02E-04	3.30E-08	9.97E-08	5.77E-08	7.07E-08	6.41E-08	2.92E-08	2.56E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.52E-08	2.35E-09	1.98E-09	3.26E-08
2457	496856.82	3859064.83	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.06E-08	7.43E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.08E-09	3.42E-08
2458	496956.82	3859064.83	9.86E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.97E-08	7.31E-08	6.62E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.43E-09	2.05E-09	3.37E-08
2459	497056.82	3859064.83	9.73E-05	1.19E-04	1.04E-04	3.37E-08	1.02E-07	5.89E-08	7.21E-08	6.53E-08	2.98E-08	2.61E-08	0.00E+00	0.00E+00	1.08E-08	2.45E-09	1.55E-08	2.39E-09	2.02E-09	3.32E-08
2460	497156.82	3859064.83	9.61E-05	1.18E-04	1.03E-04	3.33E-08	1.00E-07	5.82E-08	7.12E-08	6.46E-08	2.95E-08	2.58E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.53E-08	2.37E-09	2.00E-09	3.28E-08
2461	497256.82	3859064.83	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.56E-08	2.99E-08	2.62E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.40E-09	2.03E-09	3.34E-08
2462	496856.82	3859164.83	9.95E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.02E-08	7.38E-08	6.69E-08	3.05E-08	2.67E-08	0.00E+00	0.00E+00	1.11E-08	2.50E-09	1.59E-08	2.45E-09	2.07E-09	3.40E-08
2463	496956.82	3859164.83	9.78E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.25E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.03E-09	3.34E-08
2464	497056.82	3859164.83	9.72E-05	1.19E-04	1.04E-04	3.36E-08	1.02E-07	5.88E-08	7.20E-08	6.53E-08	2.98E-08	2.61E-08	0.00E+00	0.00E+00	1.08E-08	2.44E-09	1.55E-08	2.39E-09	2.02E-09	3.32E-08
2465	497156.82	3859164.83	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.56E-08	2.99E-08	2.62E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.40E-09	2.03E-09	3.34E-08
2466	497256.82	3859164.83	9.95E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.02E-08	7.38E-08	6.69E-08	3.05E-08	2.67E-08	0.00E+00	0.00E+00	1.11E-08	2.50E-09	1.59E-08	2.45E-09	2.07E-09	3.40E-08
2467	496856.82	3859264.83	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.94E-08	7.27E-08	6.59E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.04E-09	3.35E-08
2468	496956.82	3859264.83	9.79E-05	1.20E-04	1.05E-04	3.39E-08	1.02E-07	5.92E-08	7.26E-08	6.58E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.04E-09	3.34E-08
2469	497056.82	3859264.83	9.85E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.62E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.43E-09	2.05E-09	3.36E-08
2470	497156.82	3859264.83	9.89E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.98E-08	7.33E-08	6.64E-08	3.03E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.43E-09	2.06E-09	3.38E-08
2471	497256.82	3859264.83	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.09E-09	3.43E-08
2472	497088.92	3858620.93	8.94E-05	1.09E-04	9.59E-05	3.09E-08	9.34E-08	5.41E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.95E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.05E-08
2473	497138.92	3858620.93	8.93E-05	1.09E-04	9.58E-05	3.09E-08	9.33E-08	5.40E-08	6.61E-08	6.00E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.94E-09	2.25E-09	1.42E-08	2.20E-09	1.86E-09	3.05E-08
2474	497188.92	3858620.93	8.85E-05	1.08E-04	9.50E-05	3.06E-08	9.25E-08	5.36E-08	6.56E-08	5.95E-08	2.71E-08	2.38E-08	0.00E+00	0.00E+00	9.85E-09	2.23E-09	1.41E-08	2.18E-09	1.84E-09	3.02E-08
2475	497238.92	3858620.93	8.81E-05	1.08E-04	9.46E-05	3.05E-08	9.21E-08	5.33E-08	6.53E-08	5.92E-08	2.70E-08	2.37E-08	0.00E+00	0.00E+00	9.80E-09	2.22E-09	1.41E-08	2.17E-09	1.83E-09	3.01E-08
2476	497088.92	3858670.93	8.94E-05	1.09E-04	9.59E-05	3.09E-08	9.34E-08	5.41E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.95E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.05E-08
2477	497138.92	3858670.93	8.97E-05	1.10E-04	9.63E-05	3.11E-08	9.38E-08	5.43E-08	6.65E-08	6.03E-08	2.75E-08	2.41E-08	0.00E+00	0.00E+00	9.99E-09	2.26E-09	1.43E-08	2.21E-09	1.87E-09	3.06E-08
2478	497188.92	3858670.93	8.89E-05	1.09E-04	9.55E-05	3.08E-08	9.30E-08	5.38E-08	6.59E-08	5.97E-08	2.73E-08	2.39E-08	0.00E+00	0.00E+00	9.90E-09	2.24E-09	1.42E-08	2.19E-09	1.85E-09	3.04E-08
2479	497238.92	3858670.93	8.88E-05	1.09E-04	9.53E-05	3.07E-08	9.28E-08	5.37E-08	6.58E-08	5.96E-08	2.72E-08	2.39E-08	0.00E+00	0.00E+00	9.88E-09	2.23E-09	1.42E-08	2.19E-09	1.85E-09	3.03E-08
2480	497088.92	3858720.93	9.13E-05	1.12E-04	9.80E-05	3.16E-08	9.54E-08	5.52E-08	6.76E-08	6.13E-08	2.80E-08	2.45E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.90E-09	3.12E-08
2481	497138.92	3858720.93	8.91E-05	1.09E-04	9.56E-05	3.08E-08	9.31E-08	5.39E-08	6.60E-08	5.99E-08	2.73E-08	2.39E-08	0.00E+00	0.00E+00	9.92E-09	2.24E-09	1.42E-08	2.19E-09	1.85E-09	3.04E-08
2482	497188.92	3858720.93	8.86E-05	1.09E-04	9.51E-05	3.07E-08	9.26E-08	5.36E-08	6.57E-08	5.95E-08	2.72E-08	2.38E-08	0.00E+00	0.00E+00	9.86E-09	2.23E-09	1.41E-08	2.18E-09	1.84E-09	3.03E-08
2483	497238.92	3858720.93	8.97E-05	1.10E-04	9.63E-05	3.11E-08	9.38E-08	5.43E-08	6.65E-08	6.03E-08	2.75E-08	2.41E-08	0.00E+00	0.00E+00	9.99E-09	2.26E-09	1.43E-08	2.21E-09	1.87E-09	3.06E-08
2484	497088.92	3858770.93	9.17E-05	1.12E-04	9.85E-05	3.17E-08	9.59E-08	5.55E-08	6.80E-08	6.16E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.46E-08	2.26E-09	1.91E-09	3.13E-08
2485	497138.92	3858770.93	9.08E-05	1.11E-04	9.75E-05	3.14E-08	9.49E-08	5.49E-08	6.73E-08	6.10E-08	2.78E-08	2.44E-08	0.00E+00	0.00E+00	1.01E-08	2.28E-09	1.45E-08	2.24E-09	1.89E-09	3.10E-08
2486	497188.92	3858770.93	9.02E-05	1.10E-04	9.68E-05	3.12E-08	9.43E-08	5.46E-08	6.69E-08	6.06E-08	2.77E-08	2.42E-08	0.00E+00	0.00E+00	1.00E-08	2.27E-09	1.44E-08	2.22E-09	1.88E-09	3.08E-08
2487	497238.92	3858770.93	9.07E-05	1.11E-04	9.74E-05	3.14E-08	9.48E-08	5.49E-08	6.72E-08	6.09E-08	2.78E-08	2.44E-08	0.00E+00	0.00E+00	1.01E-08	2.28E-09	1.45E-08	2.23E-09	1.89E-09	3.10E-08

2488	497396.65	3858622.63	9.15E-05	1.12E-04	9.82E-05	3.17E-08	9.56E-08	5.54E-08	6.78E-08	6.15E-08	2.80E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.90E-09	3.12E-08
2489	497496.65	3858622.63	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.76E-08	5.65E-08	6.92E-08	6.27E-08	2.86E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.94E-09	3.19E-08
2490	497596.65	3858622.63	9.68E-05	1.19E-04	1.04E-04	3.35E-08	1.01E-07	5.86E-08	7.18E-08	6.51E-08	2.97E-08	2.60E-08	0.00E+00	0.00E+00	1.08E-08	2.44E-09	1.55E-08	2.38E-09	2.01E-09	3.31E-08
2491	497696.65	3858622.63	9.76E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.23E-08	6.56E-08	2.99E-08	2.62E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.40E-09	2.03E-09	3.33E-08
2492	497796.65	3858622.63	9.96E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.03E-08	7.38E-08	6.69E-08	3.05E-08	2.68E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.45E-09	2.07E-09	3.40E-08
2493	497896.65	3858622.63	1.02E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.53E-08	6.82E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.47E-08
2494	497396.65	3858722.63	9.37E-05	1.15E-04	1.01E-04	3.24E-08	9.79E-08	5.67E-08	6.94E-08	6.29E-08	2.87E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.50E-08	2.31E-09	1.95E-09	3.20E-08
2495	497496.65	3858722.63	9.55E-05	1.17E-04	1.03E-04	3.31E-08	9.98E-08	5.78E-08	7.08E-08	6.41E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.52E-08	2.35E-09	1.99E-09	3.26E-08
2496	497596.65	3858722.63	9.86E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.97E-08	7.31E-08	6.62E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.43E-09	2.05E-09	3.37E-08
2497	497696.65	3858722.63	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.06E-08	7.43E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.08E-09	3.42E-08
2498	497796.65	3858722.63	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.05E-07	6.11E-08	7.48E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.48E-09	2.10E-09	3.45E-08
2499	497896.65	3858722.63	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.18E-08	7.57E-08	6.86E-08	3.13E-08	2.74E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.51E-09	2.12E-09	3.49E-08
2500	497396.65	3858822.63	9.49E-05	1.16E-04	1.02E-04	3.28E-08	9.92E-08	5.74E-08	7.03E-08	6.37E-08	2.91E-08	2.55E-08	0.00E+00	0.00E+00	1.06E-08	2.39E-09	1.51E-08	2.34E-09	1.97E-09	3.24E-08
2501	497496.65	3858822.63	9.63E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.83E-08	7.14E-08	6.47E-08	2.95E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.29E-08
2502	497596.65	3858822.63	9.99E-05	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.05E-08	7.41E-08	6.71E-08	3.06E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.60E-08	2.46E-09	2.08E-09	3.41E-08
2503	497696.65	3858822.63	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.06E-07	6.11E-08	7.48E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.48E-09	2.10E-09	3.45E-08
2504	497796.65	3858822.63	1.02E-04	1.25E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.54E-08	6.83E-08	3.12E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.62E-08	2.50E-09	2.12E-09	3.47E-08
2505	497896.65	3858822.63	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.65E-08	2.55E-09	2.16E-09	3.54E-08
2506	497396.65	3858922.63	9.62E-05	1.18E-04	1.03E-04	3.33E-08	1.01E-07	5.82E-08	7.13E-08	6.46E-08	2.95E-08	2.58E-08	0.00E+00	0.00E+00	1.07E-08	2.42E-09	1.54E-08	2.37E-09	2.00E-09	3.28E-08
2507	497496.65	3858922.63	9.92E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	6.00E-08	7.35E-08	6.66E-08	3.04E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.44E-09	2.06E-09	3.39E-08
2508	497596.65	3858922.63	9.89E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.99E-08	7.33E-08	6.65E-08	3.03E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.44E-09	2.06E-09	3.38E-08
2509	497696.65	3858922.63	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.18E-08	7.57E-08	6.87E-08	3.13E-08	2.75E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.52E-09	2.13E-09	3.49E-08
2510	497796.65	3858922.63	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.65E-08	2.55E-09	2.16E-09	3.54E-08
2511	497896.65	3858922.63	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.42E-08	7.86E-08	7.13E-08	3.25E-08	2.85E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.69E-08	2.61E-09	2.21E-09	3.62E-08
2512	497364.44	3858201.52	8.75E-05	1.07E-04	9.40E-05	3.03E-08	9.15E-08	5.30E-08	6.49E-08	5.88E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.75E-09	2.20E-09	1.40E-08	2.15E-09	1.82E-09	2.99E-08
2513	497414.44	3858201.52	8.85E-05	1.08E-04	9.51E-05	3.06E-08	9.25E-08	5.36E-08	6.56E-08	5.95E-08	2.71E-08	2.38E-08	0.00E+00	0.00E+00	9.86E-09	2.23E-09	1.41E-08	2.18E-09	1.84E-09	3.02E-08
2514	497464.44	3858201.52	8.94E-05	1.09E-04	9.59E-05	3.09E-08	9.34E-08	5.41E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.95E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.05E-08
2515	497514.44	3858201.52	8.97E-05	1.10E-04	9.63E-05	3.10E-08	9.37E-08	5.43E-08	6.65E-08	6.02E-08	2.75E-08	2.41E-08	0.00E+00	0.00E+00	9.98E-09	2.26E-09	1.43E-08	2.21E-09	1.87E-09	3.06E-08
2516	497564.44	3858201.52	8.93E-05	1.09E-04	9.59E-05	3.09E-08	9.33E-08	5.40E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.94E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.05E-08
2517	497614.44	3858201.52	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.96E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.06E-08
2518	497364.44	3858251.52	8.90E-05	1.09E-04	9.55E-05	3.08E-08	9.30E-08	5.38E-08	6.59E-08	5.98E-08	2.73E-08	2.39E-08	0.00E+00	0.00E+00	9.90E-09	2.24E-09	1.42E-08	2.19E-09	1.85E-09	3.04E-08
2519	497414.44	3858251.52	9.03E-05	1.11E-04	9.69E-05	3.12E-08	9.43E-08	5.46E-08	6.69E-08	6.06E-08	2.77E-08	2.43E-08	0.00E+00	0.00E+00	1.00E-08	2.27E-09	1.44E-08	2.22E-09	1.88E-09	3.08E-08
2520	497464.44	3858251.52	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.36E-08	5.42E-08	6.63E-08	6.01E-08	2.74E-08	2.41E-08	0.00E+00	0.00E+00	9.96E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.06E-08
2521	497514.44	3858251.52	8.86E-05	1.09E-04	9.51E-05	3.07E-08	9.26E-08	5.36E-08	6.57E-08	5.95E-08	2.72E-08	2.38E-08	0.00E+00	0.00E+00	9.86E-09	2.23E-09	1.41E-08	2.18E-09	1.84E-09	3.03E-08
2522	497564.44	3858251.52	8.83E-05	1.08E-04	9.48E-05	3.06E-08	9.23E-08	5.34E-08	6.54E-08	5.93E-08	2.71E-08	2.37E-08	0.00E+00	0.00E+00	9.83E-09	2.22E-09	1.41E-08	2.17E-09	1.84E-09	3.02E-08
2523	497614.44	3858251.52	8.80E-05	1.08E-04	9.45E-05	3.05E-08	9.20E-08	5.33E-08	6.52E-08	5.91E-08	2.70E-08	2.37E-08	0.00E+00	0.00E+00	9.80E-09	2.21E-09	1.41E-08	2.17E-09	1.83E-09	3.01E-08
2524	497364.44	3858301.52	8.92E-05	1.09E-04	9.58E-05	3.09E-08	9.33E-08	5.40E-08	6.61E-08	6.00E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.93E-09	2.24E-09	1.42E-08	2.20E-09	1.86E-09	3.05E-08
2525	497414.44	3858301.52	9.00E-05	1.10E-04	9.66E-05	3.11E-08	9.40E-08	5.44E-08	6.67E-08	6.04E-08	2.76E-08	2.42E-08	0.00E+00	0.00E+00	1.00E-08	2.26E-09	1.44E-08	2.21E-09	1.87E-09	3.07E-08
2526	497464.44	3858301.52	8.90E-05	1.09E-04	9.56E-05	3.08E-08	9.30E-08	5.39E-08	6.60E-08	5.98E-08	2.73E-08	2.39E-08	0.00E+00	0.00E+00	9.91E-09	2.24E-09	1.42E-08	2.19E-09	1.85E-09	3.04E-08
2527	497514.44	3858301.52	8.84E-05	1.08E-04	9.49E-05	3.06E-08	9.24E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.37E-08	0.00E+00	0.00E+00	9.84E-09	2.22E-09	1.41E-08	2.17E-09	1.84E-09	3.02E-08
2528	497564.44	3858301.52	8.74E-05	1.07E-04	9.38E-05	3.02E-08	9.13E-08	5.29E-08	6.47E-08	5.87E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.73E-09	2.20E-09	1.39E-08	2.15E-09	1.82E-09	2.98E-08
2529	497614.44	3858301.52	8.71E-05	1.07E-04	9.35E-05	3.01E-08	9.10E-08	5.27E-08	6.45E-08	5.85E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.69E-09	2.19E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
2530	497364.44	3858351.52	8.96E-05	1.10E-04	9.62E-05	3.10E-08	9.37E-08	5.42E-08	6.64E-08	6.02E-08	2.75E-08	2.41E-08	0.00E+00	0.00E+00	9.98E-09	2.26E-09	1.43E-08	2.21E-09	1.87E-09	3.06E-08
2531	497414.44	3858351.52	8.90E-05	1.09E-04	9.56E-05	3.08E-08	9.31E-08	5.39E-08	6.60E-08	5.98E-08	2.73E-08	2.39E-08	0.00E+00	0.00E+00	9.91E-09	2.24E-09	1.42E-08	2.19E-09	1.85E-09	3.04E-08
2532	497464.44	3858351.52	8.88E-05	1.09E-04	9.53E-05	3.07E-08	9.28E-08	5.37E-08	6.58E-08	5.97E-08	2.72E-08	2.39E-08	0.00E+00	0.00E+00	9.88E-09	2.23E-09	1.42E-08	2.19E-09	1.85E-09	3.03E-08
2533	497514.44	3858351.52	8.83E-05	1.08E-04	9.48E-05	3.06E-08	9.23E-08	5.34E-08	6.54E-08	5.93E-08	2.71E-08	2.37E-08	0.00E+00	0.00E+00	9.83E-09	2.22E-09	1.41E-08	2.17E-09	1.84E-09	3.02E-08
2534	497564.44	3858351.52	8.71E-05	1.07E-04	9.35E-05	3.01E-08	9.10E-08	5.27E-08	6.45E-08	5.85E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.69E-09	2.19E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
2535	497614.44	3858351.52	8.68E-05	1.06E-04	9.32E-05	3.00E-08	9.07E-08	5.25E-08	6.43E-08	5.83E-08	2.66E-08	2.33E-08	0.00E+00	0.00E+00	9.66E-09	2.18E-09	1.39E-08	2.14E-09	1.81E-09	2.96E-08
2536	497364.44	3858401.52	8.87E-05	1.09E-04	9.52E-05	3.07E-08	9.27E-08	5.37E-08	6.57E-08	5.96E-08	2.72E-08	2.38E-08	0.00E+00	0.00E+00	9.87E-09	2.23E-09	1.42E-08	2.18E-09	1.84E-09	3.03E-08
2537	497414.44	3858401.52	8.86E-05	1.08E-04	9.51E-05	3.07E-08	9.26E-08	5.36E-08	6.56E-08	5.95E-08	2.71E-08	2.38E-08	0.00E+00	0.00E+00	9.86E-09	2.23E-09	1.41E-08	2.18E-09	1.84E-09	3.02E-08
2538	497464.44	3858401.52	8.79E-05	1.08E-04	9.43E-05	3.04E-08	9.19E-08	5.32E-08	6.51E-08	5.90E-08	2.69E-08	2.36E-08	0.00E+00	0.00E+00	9.78E-09	2.21E-09	1.40E-08	2.16E-09	1.83E-09	3.00E-08
2539	497514.44	3858401.52	8.75E-05	1.07E-04	9.40E-05	3.03E-08	9.15E-08	5.30E-08	6.49E-08	5.88E-08	2.68E-08	2.35E-08	0.00E+00	0.00E+00	9.74E-09	2.20E-09	1.40E-08	2.15E-09	1.82E-09	2.99E-08
2540	497564.44	3858401.52	8.84E-05	1.08E-04	9.49E-05	3.06E-08	9.24E-08	5.35E-08	6.55E-08	5.94E-08	2.71E-08	2.38E-08	0.00E+00	0.00E+00	9.84E-09	2.22E-09	1.41E-08	2.18E-09	1.84E-09	3.02E-08
2541	497614.44	3858401.52	8.93E-05	1.09E-04	9.59E-05	3.09E-08	9.34E-08	5.41E-08	6.62E-08	6.00E-08	2.74E-08	2.40E-08	0.00E+00	0.00E+00	9.95E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.05E-08
2542	493478.11	3860497.94	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.68E-08	6.96E-08	3.18E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.65E-08	2.55E-09	2.16E-09	3.54E-08
2543	493528.11	3860497.94	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.26E-08	7.67E-08	6.95E-08	3.17E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.55E-09	2.15E-09	3.53E-08
2544	493478.11	3860547.94	1.01E-04	1.24E-04	1.08E-04	3.50E-08	1.06E-07	6.11E-08	7.48E-08	6.79E-08	3.10E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.49E-09	2.10E-09	3.45E-08
2545	493528.11	3860547.94	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.05E-07	6.10E-08	7.47E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.48E-09	2.10E-09	3.44E-08

2546	493478.11	3860597.94	9.85E-05	1.21E-04	1.06E-04	3.41E-08	1.03E-07	5.96E-08	7.30E-08	6.62E-08	3.02E-08	2.65E-08	0.00E+00	0.00E+00	1.10E-08	2.48E-09	1.57E-08	2.42E-09	2.05E-09	3.36E-08
2547	493528.11	3860597.94	9.84E-05	1.20E-04	1.06E-04	3.41E-08	1.03E-07	5.95E-08	7.29E-08	6.61E-08	3.02E-08	2.64E-08	0.00E+00	0.00E+00	1.10E-08	2.47E-09	1.57E-08	2.42E-09	2.05E-09	3.36E-08
2548	493561.88	3860524.64	1.02E-04	1.25E-04	1.10E-04	3.53E-08	1.07E-07	6.17E-08	7.56E-08	6.86E-08	3.13E-08	2.74E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.51E-09	2.12E-09	3.48E-08
2549	493591.88	3860524.64	1.02E-04	1.25E-04	1.10E-04	3.53E-08	1.07E-07	6.18E-08	7.56E-08	6.86E-08	3.13E-08	2.74E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.51E-09	2.12E-09	3.49E-08
2550	493561.88	3860554.64	1.00E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.08E-08	7.45E-08	6.75E-08	3.08E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.60E-08	2.47E-09	2.09E-09	3.43E-08
2551	493591.88	3860554.64	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.45E-08	6.76E-08	3.08E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.09E-09	3.43E-08
2552	492880.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.84E-08	2.83E-09	2.39E-09	3.93E-08
2553	492930.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.20E-07	6.97E-08	8.54E-08	7.74E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.93E-08
2554	492980.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2555	493030.5	3860293.11	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.79E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.41E-09	3.96E-08
2556	493080.5	3860293.11	1.16E-04	1.43E-04	1.25E-04	4.03E-08	1.22E-07	7.05E-08	8.63E-08	7.82E-08	3.57E-08	3.13E-08	0.00E+00	0.00E+00	1.30E-08	2.93E-09	1.86E-08	2.87E-09	2.42E-09	3.98E-08
2557	493130.5	3860293.11	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.02E-08	8.60E-08	7.80E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.41E-09	3.96E-08
2558	493180.5	3860293.11	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.54E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
2559	493230.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.29E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2560	493280.5	3860293.11	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	7.00E-08	8.57E-08	7.77E-08	3.54E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
2561	493330.5	3860293.11	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.84E-08	2.84E-09	2.40E-09	3.95E-08
2562	493380.5	3860293.11	1.15E-04	1.41E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.29E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
2563	492880.5	3860343.11	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.33E-09	3.82E-08
2564	492930.5	3860343.11	1.12E-04	1.37E-04	1.20E-04	3.88E-08	1.17E-07	6.77E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
2565	492980.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
2566	493030.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.84E-09	1.80E-08	2.77E-09	2.35E-09	3.85E-08
2567	493080.5	3860343.11	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.86E-08	8.40E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
2568	493130.5	3860343.11	1.13E-04	1.39E-04	1.21E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.60E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.35E-09	3.86E-08
2569	493180.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.35E-08	7.56E-08	3.45E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
2570	493230.5	3860343.11	1.12E-04	1.38E-04	1.21E-04	3.89E-08	1.18E-07	6.81E-08	8.34E-08	7.56E-08	3.45E-08	3.02E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.84E-08
2571	493280.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.36E-08	7.57E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.85E-08
2572	493330.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.36E-08	7.58E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.85E-08
2573	493380.5	3860343.11	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.82E-08	8.35E-08	7.57E-08	3.46E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.84E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08
2574	492880.5	3860393.11	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.57E-08	8.05E-08	7.30E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.71E-08
2575	492930.5	3860393.11	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.07E-08	7.32E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
2576	492980.5	3860393.11	1.09E-04	1.34E-04	1.17E-04	3.79E-08	1.14E-07	6.62E-08	8.10E-08	7.35E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.28E-09	3.73E-08
2577	493030.5	3860393.11	1.10E-04	1.34E-04	1.18E-04	3.80E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
2578	493080.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.82E-08	1.15E-07	6.67E-08	8.17E-08	7.41E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.77E-08
2579	493130.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	0.00E+00	0.00E+00	1.22E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
2580	493180.5	3860393.11	1.10E-04	1.34E-04	1.18E-04	3.79E-08	1.14E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
2581	493230.5	3860393.11	1.10E-04	1.34E-04	1.18E-04	3.79E-08	1.15E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
2582	493280.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.80E-08	1.15E-07	6.65E-08	8.14E-08	7.38E-08	3.37E-08	2.95E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.29E-09	3.75E-08
2583	493330.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	0.00E+00	0.00E+00	1.22E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
2584	493380.5	3860393.11	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.66E-08	8.15E-08	7.39E-08	3.37E-08	2.96E-08	0.00E+00	0.00E+00	1.22E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
2585	492880.5	3860443.11	1.06E-04	1.29E-04	1.13E-04	3.66E-08	1.10E-07	6.39E-08	7.83E-08	7.10E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.60E-09	2.20E-09	3.61E-08
2586	492930.5	3860443.11	1.06E-04	1.30E-04	1.14E-04	3.66E-08	1.11E-07	6.40E-08	7.84E-08	7.10E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.60E-09	2.20E-09	3.61E-08
2587	492980.5	3860443.11	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.42E-08	7.87E-08	7.13E-08	3.25E-08	2.85E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.69E-08	2.61E-09	2.21E-09	3.62E-08
2588	493030.5	3860443.11	1.07E-04	1.30E-04	1.14E-04	3.69E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
2589	493080.5	3860443.11	1.07E-04	1.31E-04	1.14E-04	3.69E-08	1.11E-07	6.45E-08	7.90E-08	7.16E-08	3.27E-08	2.86E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.62E-09	2.22E-09	3.64E-08
2590	493130.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.69E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.68E-09	1.70E-08	2.63E-09	2.22E-09	3.64E-08
2591	493180.5	3860443.11	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.44E-08	7.89E-08	7.15E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.18E-08	2.68E-09	1.70E-08	2.62E-09	2.21E-09	3.63E-08
2592	493230.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.70E-08	2.63E-09	2.22E-09	3.65E-08
2593	493280.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.93E-08	7.19E-08	3.28E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.23E-09	3.65E-08
2594	493330.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.49E-08	7.95E-08	7.20E-08	3.29E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.66E-08
2595	493380.5	3860443.11	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.48E-08	7.94E-08	7.20E-08	3.28E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.64E-09	2.23E-09	3.66E-08
2596	493180.5	3860493.11	1.04E-04	1.27E-04	1.11E-04	3.59E-08	1.08E-07	6.27E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.15E-08	2.61E-09	1.66E-08	2.55E-09	2.16E-09	3.54E-08
2597	493230.5	3860493.11	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.29E-08	7.70E-08	6.98E-08	3.19E-08	2.79E-08	0.00E+00	0.00E+00	1.16E-08	2.61E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
2598	493280.5	3860493.11	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.30E-08	7.72E-08	7.00E-08	3.19E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.56E-09	2.17E-09	3.56E-08
2599	493330.5	3860493.11	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.01E-08	3.20E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.67E-08	2.57E-09	2.17E-09	3.56E-08
2600	493380.5	3860493.11	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.72E-08	7.00E-08	3.19E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.57E-09	2.17E-09	3.56E-08
2601	493330.5	3860543.11	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.83E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.62E-08	2.50E-09	2.11E-09	3.47E-08
2602	493380.5	3860543.11	1.02E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.82E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.47E-08
2603	494135.94	3860876.85	8.59E-05	1.05E-04	9.22E-05	2.97E-08	8.97E-08	5.20E-08	6.36E-08	5.77E-08	2.63E-08	2.31E-08	0.00E+00	0.00E+00	9.56E-09	2.16E-09	1.37E-08	2.11E-09	1.79E-09	2.93E-08

2604	494185.94	3860876.85	8.59E-05	1.05E-04	9.22E-05	2.97E-08	8.97E-08	5.20E-08	6.36E-08	5.77E-08	2.63E-08	2.31E-08	0.00E+00	0.00E+00	9.56E-09	2.16E-09	1.37E-08	2.11E-09	1.79E-09	2.93E-08
2605	494135.94	3860926.85	8.38E-05	1.03E-04	8.99E-05	2.90E-08	8.76E-08	5.07E-08	6.21E-08	5.63E-08	2.57E-08	2.25E-08	0.00E+00	0.00E+00	9.33E-09	2.11E-09	1.34E-08	2.06E-09	1.74E-09	2.86E-08
2606	494185.94	3860926.85	8.39E-05	1.03E-04	9.00E-05	2.90E-08	8.76E-08	5.07E-08	6.21E-08	5.63E-08	2.57E-08	2.25E-08	0.00E+00	0.00E+00	9.33E-09	2.11E-09	1.34E-08	2.06E-09	1.74E-09	2.86E-08
2607	494135.94	3860976.85	8.18E-05	1.00E-04	8.78E-05	2.83E-08	8.55E-08	4.95E-08	6.06E-08	5.50E-08	2.51E-08	2.20E-08	0.00E+00	0.00E+00	9.11E-09	2.06E-09	1.31E-08	2.01E-09	1.70E-09	2.79E-08
2608	494185.94	3860976.85	8.19E-05	1.00E-04	8.79E-05	2.83E-08	8.56E-08	4.95E-08	6.07E-08	5.50E-08	2.51E-08	2.20E-08	0.00E+00	0.00E+00	9.11E-09	2.06E-09	1.31E-08	2.02E-09	1.70E-09	2.80E-08
2609	494135.94	3861026.85	7.98E-05	9.78E-05	8.57E-05	2.76E-08	8.34E-08	4.83E-08	5.91E-08	5.36E-08	2.45E-08	2.14E-08	0.00E+00	0.00E+00	8.88E-09	2.01E-09	1.27E-08	1.96E-09	1.66E-09	2.73E-08
2610	494185.94	3861026.85	7.99E-05	9.79E-05	8.58E-05	2.77E-08	8.35E-08	4.84E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.90E-09	2.01E-09	1.28E-08	1.97E-09	1.66E-09	2.73E-08
2611	494135.94	3861076.85	7.79E-05	9.54E-05	8.36E-05	2.70E-08	8.14E-08	4.71E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	0.00E+00	0.00E+00	8.67E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
2612	494185.94	3861076.85	7.80E-05	9.55E-05	8.37E-05	2.70E-08	8.15E-08	4.72E-08	5.78E-08	5.24E-08	2.39E-08	2.10E-08	0.00E+00	0.00E+00	8.68E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
2613	490360.04	3858710.04	4.22E-04	5.17E-04	4.54E-04	1.46E-07	4.41E-07	2.56E-07	3.13E-07	2.84E-07	1.29E-07	1.14E-07	0.00E+00	0.00E+00	4.70E-08	1.06E-08	6.74E-08	1.04E-08	8.80E-09	1.44E-07
2614	490410.04	3858710.04	4.15E-04	5.08E-04	4.46E-04	1.44E-07	4.34E-07	2.51E-07	3.07E-07	2.79E-07	1.27E-07	1.12E-07	0.00E+00	0.00E+00	4.62E-08	1.04E-08	6.62E-08	1.02E-08	8.64E-09	1.42E-07
2615	490460.04	3858710.04	4.07E-04	4.99E-04	4.38E-04	1.41E-07	4.26E-07	2.46E-07	3.02E-07	2.74E-07	1.25E-07	1.10E-07	0.00E+00	0.00E+00	4.53E-08	1.02E-08	6.50E-08	1.00E-08	8.48E-09	1.39E-07
2616	490510.04	3858710.04	4.00E-04	4.90E-04	4.30E-04	1.39E-07	4.18E-07	2.42E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	0.00E+00	0.00E+00	4.46E-08	1.01E-08	6.39E-08	9.85E-09	8.34E-09	1.37E-07
2617	490560.04	3858710.04	3.94E-04	4.82E-04	4.23E-04	1.36E-07	4.12E-07	2.38E-07	2.92E-07	2.65E-07	1.21E-07	1.06E-07	0.00E+00	0.00E+00	4.38E-08	9.91E-09	6.29E-08	9.69E-09	8.20E-09	1.35E-07
2618	490610.04	3858710.04	3.88E-04	4.75E-04	4.16E-04	1.34E-07	4.05E-07	2.34E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	0.00E+00	0.00E+00	4.31E-08	9.75E-09	6.19E-08	9.54E-09	8.07E-09	1.32E-07
2619	490660.04	3858710.04	3.82E-04	4.68E-04	4.10E-04	1.32E-07	3.99E-07	2.31E-07	2.83E-07	2.57E-07	1.17E-07	1.03E-07	0.00E+00	0.00E+00	4.25E-08	9.61E-09	6.10E-08	9.40E-09	7.95E-09	1.30E-07
2620	490710.04	3858710.04	3.76E-04	4.60E-04	4.04E-04	1.30E-07	3.93E-07	2.27E-07	2.78E-07	2.52E-07	1.15E-07	1.01E-07	0.00E+00	0.00E+00	4.18E-08	9.45E-09	6.00E-08	9.25E-09	7.82E-09	1.28E-07
2621	490760.04	3858710.04	3.70E-04	4.53E-04	3.97E-04	1.28E-07	3.87E-07	2.24E-07	2.74E-07	2.49E-07	1.13E-07	9.94E-08	0.00E+00	0.00E+00	4.12E-08	9.31E-09	5.90E-08	9.11E-09	7.70E-09	1.26E-07
2622	490810.04	3858710.04	3.64E-04	4.46E-04	3.91E-04	1.26E-07	3.81E-07	2.20E-07	2.70E-07	2.45E-07	1.12E-07	9.79E-08	0.00E+00	0.00E+00	4.05E-08	9.16E-09	5.81E-08	8.97E-09	7.58E-09	1.24E-07
2623	490860.04	3858710.04	3.58E-04	4.39E-04	3.85E-04	1.24E-07	3.74E-07	2.17E-07	2.65E-07	2.41E-07	1.10E-07	9.63E-08	0.00E+00	0.00E+00	3.99E-08	9.01E-09	5.72E-08	8.82E-09	7.46E-09	1.22E-07
2624	490360.04	3858760.04	4.08E-04	4.99E-04	4.38E-04	1.41E-07	4.26E-07	2.47E-07	3.02E-07	2.74E-07	1.25E-07	1.10E-07	0.00E+00	0.00E+00	4.54E-08	1.03E-08	6.51E-08	1.00E-08	8.49E-09	1.39E-07
2625	490410.04	3858760.04	4.01E-04	4.91E-04	4.31E-04	1.39E-07	4.19E-07	2.42E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	0.00E+00	0.00E+00	4.46E-08	1.01E-08	6.40E-08	9.86E-09	8.34E-09	1.37E-07
2626	490460.04	3858760.04	3.94E-04	4.82E-04	4.23E-04	1.36E-07	4.11E-07	2.38E-07	2.92E-07	2.64E-07	1.21E-07	1.06E-07	0.00E+00	0.00E+00	4.38E-08	9.90E-09	6.28E-08	9.69E-09	8.20E-09	1.34E-07
2627	490510.04	3858760.04	3.87E-04	4.74E-04	4.15E-04	1.34E-07	4.04E-07	2.34E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	0.00E+00	0.00E+00	4.30E-08	9.73E-09	6.17E-08	9.52E-09	8.05E-09	1.32E-07
2628	490560.04	3858760.04	3.80E-04	4.66E-04	4.09E-04	1.32E-07	3.98E-07	2.30E-07	2.82E-07	2.56E-07	1.17E-07	1.02E-07	0.00E+00	0.00E+00	4.23E-08	9.57E-09	6.07E-08	9.36E-09	7.92E-09	1.30E-07
2629	490610.04	3858760.04	3.74E-04	4.58E-04	4.02E-04	1.30E-07	3.91E-07	2.26E-07	2.77E-07	2.51E-07	1.15E-07	1.01E-07	0.00E+00	0.00E+00	4.16E-08	9.41E-09	5.97E-08	9.21E-09	7.79E-09	1.28E-07
2630	490660.04	3858760.04	3.68E-04	4.51E-04	3.96E-04	1.27E-07	3.85E-07	2.23E-07	2.73E-07	2.47E-07	1.13E-07	9.90E-08	0.00E+00	0.00E+00	4.10E-08	9.26E-09	5.88E-08	9.06E-09	7.67E-09	1.26E-07
2631	490710.04	3858760.04	3.63E-04	4.44E-04	3.89E-04	1.26E-07	3.79E-07	2.19E-07	2.69E-07	2.44E-07	1.11E-07	9.75E-08	0.00E+00	0.00E+00	4.04E-08	9.12E-09	5.79E-08	8.92E-09	7.55E-09	1.24E-07
2632	490760.04	3858760.04	3.57E-04	4.37E-04	3.83E-04	1.23E-07	3.73E-07	2.16E-07	2.64E-07	2.40E-07	1.09E-07	9.59E-08	0.00E+00	0.00E+00	3.97E-08	8.97E-09	5.69E-08	8.78E-09	7.42E-09	1.22E-07
2633	490810.04	3858760.04	3.51E-04	4.30E-04	3.77E-04	1.22E-07	3.67E-07	2.12E-07	2.60E-07	2.36E-07	1.08E-07	9.44E-08	0.00E+00	0.00E+00	3.91E-08	8.83E-09	5.60E-08	8.64E-09	7.31E-09	1.20E-07
2634	490860.04	3858760.04	3.46E-04	4.24E-04	3.72E-04	1.20E-07	3.62E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.30E-08	0.00E+00	0.00E+00	3.85E-08	8.70E-09	5.52E-08	8.52E-09	7.20E-09	1.18E-07
2635	490360.04	3858810.04	3.92E-04	4.81E-04	4.22E-04	1.36E-07	4.10E-07	2.37E-07	2.91E-07	2.64E-07	1.20E-07	1.06E-07	0.00E+00	0.00E+00	4.37E-08	9.87E-09	6.26E-08	9.66E-09	8.17E-09	1.34E-07
2636	490410.04	3858810.04	3.86E-04	4.72E-04	4.14E-04	1.33E-07	4.03E-07	2.33E-07	2.86E-07	2.59E-07	1.18E-07	1.04E-07	0.00E+00	0.00E+00	4.29E-08	9.70E-09	6.15E-08	9.49E-09	8.03E-09	1.32E-07
2637	490460.04	3858810.04	3.79E-04	4.64E-04	4.07E-04	1.31E-07	3.96E-07	2.29E-07	2.81E-07	2.55E-07	1.16E-07	1.02E-07	0.00E+00	0.00E+00	4.22E-08	9.53E-09	6.05E-08	9.33E-09	7.89E-09	1.29E-07
2638	490510.04	3858810.04	3.73E-04	4.57E-04	4.01E-04	1.29E-07	3.90E-07	2.26E-07	2.76E-07	2.51E-07	1.14E-07	1.00E-07	0.00E+00	0.00E+00	4.15E-08	9.38E-09	5.95E-08	9.18E-09	7.77E-09	1.27E-07
2639	490560.04	3858810.04	3.67E-04	4.50E-04	3.94E-04	1.27E-07	3.84E-07	2.22E-07	2.72E-07	2.47E-07	1.13E-07	9.87E-08	0.00E+00	0.00E+00	4.09E-08	9.23E-09	5.86E-08	9.03E-09	7.64E-09	1.25E-07
2640	490610.04	3858810.04	3.61E-04	4.42E-04	3.88E-04	1.25E-07	3.77E-07	2.18E-07	2.67E-07	2.42E-07	1.11E-07	9.70E-08	0.00E+00	0.00E+00	4.02E-08	9.07E-09	5.76E-08	8.88E-09	7.51E-09	1.23E-07
2641	490660.04	3858810.04	3.55E-04	4.35E-04	3.81E-04	1.23E-07	3.71E-07	2.15E-07	2.63E-07	2.39E-07	1.09E-07	9.55E-08	0.00E+00	0.00E+00	3.95E-08	8.93E-09	5.67E-08	8.74E-09	7.39E-09	1.21E-07
2642	490710.04	3858810.04	3.49E-04	4.28E-04	3.75E-04	1.21E-07	3.65E-07	2.11E-07	2.59E-07	2.35E-07	1.07E-07	9.39E-08	0.00E+00	0.00E+00	3.89E-08	8.79E-09	5.58E-08	8.60E-09	7.27E-09	1.19E-07
2643	490760.04	3858810.04	3.43E-04	4.20E-04	3.69E-04	1.19E-07	3.59E-07	2.08E-07	2.54E-07	2.31E-07	1.05E-07	9.23E-08	0.00E+00	0.00E+00	3.82E-08	8.63E-09	5.48E-08	8.45E-09	7.14E-09	1.17E-07
2644	490810.04	3858810.04	3.39E-04	4.15E-04	3.64E-04	1.17E-07	3.54E-07	2.05E-07	2.51E-07	2.28E-07	1.04E-07	9.11E-08	0.00E+00	0.00E+00	3.77E-08	8.52E-09	5.41E-08	8.34E-09	7.05E-09	1.16E-07
2645	490860.04	3858810.04	3.33E-04	4.08E-04	3.58E-04	1.15E-07	3.49E-07	2.02E-07	2.47E-07	2.24E-07	1.02E-07	8.96E-08	0.00E+00	0.00E+00	3.71E-08	8.39E-09	5.32E-08	8.21E-09	6.94E-09	1.14E-07
2646	490360.04	3858860.04	3.76E-04	4.61E-04	4.04E-04	1.30E-07	3.93E-07	2.28E-07	2.79E-07	2.53E-07	1.15E-07	1.01E-07	0.00E+00	0.00E+00	4.19E-08	9.46E-09	6.00E-08	9.26E-09	7.83E-09	1.28E-07
2647	490410.04	3858860.04	3.70E-04	4.54E-04	3.98E-04	1.28E-07	3.87E-07	2.24E-07	2.74E-07	2.49E-07	1.14E-07	9.96E-08	0.00E+00	0.00E+00	4.12E-08	9.32E-09	5.91E-08	9.12E-09	7.71E-09	1.26E-07
2648	490460.04	3858860.04	3.64E-04	4.46E-04	3.91E-04	1.26E-07	3.80E-07	2.20E-07	2.70E-07	2.45E-07	1.12E-07	9.79E-08	0.00E+00	0.00E+00	4.05E-08	9.16E-09	5.81E-08	8.96E-09	7.58E-09	1.24E-07
2649	490510.04	3858860.04	3.59E-04	4.40E-04	3.86E-04	1.24E-07	3.75E-07	2.17E-07	2.66E-07	2.41E-07	1.10E-07	9.65E-08	0.00E+00	0.00E+00	4.00E-08	9.03E-09	5.73E-08	8.83E-09	7.47E-09	1.23E-07
2650	490560.04	3858860.04	3.53E-04	4.33E-04	3.79E-04	1.22E-07	3.69E-07	2.14E-07	2.62E-07	2.37E-07	1.08E-07	9.50E-08	0.00E+00	0.00E+00	3.93E-08	8.88E-09	5.64E-08	8.69E-09	7.35E-09	1.21E-07
2651	490610.04	3858860.04	3.47E-04	4.25E-04	3.73E-04	1.20E-07	3.62E-07	2.10E-07	2.57E-07	2.33E-07	1.06E-07	9.32E-08	0.00E+00	0.00E+00	3.86E-08	8.72E-09	5.54E-08	8.54E-09	7.22E-09	1.18E-07
2652	490660.04	3858860.04	3.42E-04	4.18E-04	3.67E-04	1.18E-07	3.57E-07	2.07E-07	2.53E-07	2.29E-07	1.05E-07	9.18E-08	0.00E+00	0.00E+00	3.80E-08	8.59E-09	5.45E-08	8.41E-09	7.11E-09	1.17E-07
2653	490710.04	3858860.04	3.37E-04	4.13E-04	3.62E-04	1.17E-07	3.52E-07	2.04E-07	2.50E-07	2.26E-07	1.03E-07	9.06E-08	0.00E+00	0.00E+00	3.75E-08	8.48E-09	5.38E-08	8.29E-09	7.01E-09	1.15E-07
2654	490760.04	3858860.04	3.31E-04	4.06E-04	3.56E-04	1.15E-07	3.46E-07	2.00E-07	2.46E-07	2.23E-07	1.02E-07	8.91E-08	0.00E+00	0.00E+00	3.69E-08	8.33E-09	5.29E-08	8.15E-09	6.90E-09	1.13E-07
2655	490810.04	3858860.04	3.26E-04	3.99E-04	3.50E-04	1.13E-07	3.41E-07	1.97E-07	2.42E-07	2.19E-07	9.99E-08	8.76E-08	0.00E+00	0.00E+00	3.63E-08	8.20E-09	5.20E-08	8.02E-09	6.78E-09	1.11E-07
2656	490860.04	3858860.04	3.21E-04	3.93E-04	3.44E-04	1.11E-07	3.35E-07	1.94E-07	2.38E-07	2.15E-07	9.83E-08	8.62E-08	0.00E+00	0.00E+00	3.57E-08	8.06E-09	5.12E-08	7.89E-09	6.67E-09	1.09E-07
2657	490360.04	3858910.04	3.61E-04	4.42E-04	3.88E-04	1.25E-07	3.77E-07	2.18E-07	2.67E-07	2.42E-07	1.11E-07	9.70E-08	0.00E+00	0.00E+00	4.02E-08	9.08E-09	5.76E-08	8.88E-09	7.51E-09	1.23E-07
2658	490410.04	3858910.04	3.55E-04	4.35E-04	3.82E-04	1.23E-07	3.71E-07	2.15E-07	2.63E-07	2.39E-07	1.09E-07	9.56E-08	0.00E+00	0.00E+00	3.95E-08	8.94E-09	5.67E-08	8.74E-09	7.40E-09	1.21E-07
2659	490460.04	3858910.04	3.50E-04	4.28E-04	3.76E-04	1.21E-07	3.66E-07	2.12E-07	2.59E-07	2.35E-07	1.07E-07	9.41E-08	0.00E+00	0.00E+00	3.89E-08	8.80E-09	5.58E-08	8.61E-09	7.28E-09	1.19E-07
2660	490510.04	3858910.04	3.44E-04	4.22E-04	3.70E-04	1.19E-07	3.60E-07	2.08E-07	2.55E-07	2.31E-07	1.06E-07	9.26E-08	0.00E+00	0.00E+00	3.83E-08	8.66E-09	5.50E-08	8.47E-09	7.17E-09	1.18E-07
2661	490560.04	3858910.04	3.39E-04	4.15E-04	3.64E-04	1.17E-07	3.54E-07	2.05E-07	2.51E-07	2.28E-07	1.04E-07	9.11E-08	0.00E+00	0.00E+00	3.77E-08	8.52E-09	5.41E-08	8.34E-09	7.05E-09	1.16E-07

2662	490610.04	3858910.04	3.33E-04	4.08E-04	3.58E-04	1.15E-07	3.48E-07	2.02E-07	2.47E-07	2.24E-07	1.02E-07	8.96E-08	0.00E+00	0.00E+00	3.71E-08	8.38E-09	5.32E-08	8.20E-09	6.94E-09	1.14E-07
2663	490660.04	3858910.04	3.28E-04	4.02E-04	3.53E-04	1.14E-07	3.43E-07	1.99E-07	2.43E-07	2.21E-07	1.01E-07	8.83E-08	0.00E+00	0.00E+00	3.65E-08	8.26E-09	5.24E-08	8.08E-09	6.83E-09	1.12E-07
2664	490710.04	3858910.04	3.23E-04	3.96E-04	3.47E-04	1.12E-07	3.38E-07	1.95E-07	2.39E-07	2.17E-07	9.90E-08	8.69E-08	0.00E+00	0.00E+00	3.60E-08	8.13E-09	5.16E-08	7.95E-09	6.73E-09	1.10E-07
2665	490760.04	3858910.04	3.18E-04	3.89E-04	3.41E-04	1.10E-07	3.32E-07	1.92E-07	2.35E-07	2.13E-07	9.74E-08	8.54E-08	0.00E+00	0.00E+00	3.54E-08	7.99E-09	5.07E-08	7.82E-09	6.61E-09	1.08E-07
2666	490810.04	3858910.04	3.13E-04	3.83E-04	3.36E-04	1.08E-07	3.27E-07	1.89E-07	2.32E-07	2.10E-07	9.60E-08	8.42E-08	0.00E+00	0.00E+00	3.49E-08	7.88E-09	5.00E-08	7.71E-09	6.52E-09	1.07E-07
2667	490860.04	3858910.04	3.08E-04	3.77E-04	3.30E-04	1.07E-07	3.22E-07	1.86E-07	2.28E-07	2.07E-07	9.43E-08	8.27E-08	0.00E+00	0.00E+00	3.42E-08	7.74E-09	4.91E-08	7.57E-09	6.40E-09	1.05E-07
2668	490360.04	3858960.04	3.45E-04	4.22E-04	3.70E-04	1.19E-07	3.60E-07	2.09E-07	2.55E-07	2.32E-07	1.06E-07	9.27E-08	0.00E+00	0.00E+00	3.84E-08	8.67E-09	5.50E-08	8.49E-09	7.18E-09	1.18E-07
2669	490410.04	3858960.04	3.40E-04	4.16E-04	3.65E-04	1.18E-07	3.55E-07	2.05E-07	2.52E-07	2.28E-07	1.04E-07	9.13E-08	0.00E+00	0.00E+00	3.78E-08	8.54E-09	5.42E-08	8.36E-09	7.07E-09	1.16E-07
2670	490460.04	3858960.04	3.34E-04	4.09E-04	3.59E-04	1.16E-07	3.49E-07	2.02E-07	2.48E-07	2.25E-07	1.02E-07	8.99E-08	0.00E+00	0.00E+00	3.72E-08	8.41E-09	5.34E-08	8.23E-09	6.96E-09	1.14E-07
2671	490510.04	3858960.04	3.29E-04	4.03E-04	3.54E-04	1.14E-07	3.44E-07	1.99E-07	2.44E-07	2.21E-07	1.01E-07	8.85E-08	0.00E+00	0.00E+00	3.67E-08	8.28E-09	5.26E-08	8.11E-09	6.86E-09	1.12E-07
2672	490560.04	3858960.04	3.24E-04	3.97E-04	3.49E-04	1.12E-07	3.39E-07	1.96E-07	2.40E-07	2.18E-07	9.94E-08	8.72E-08	0.00E+00	0.00E+00	3.61E-08	8.16E-09	5.18E-08	7.99E-09	6.75E-09	1.11E-07
2673	490610.04	3858960.04	3.19E-04	3.91E-04	3.43E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.78E-08	8.57E-08	0.00E+00	0.00E+00	3.55E-08	8.02E-09	5.09E-08	7.85E-09	6.64E-09	1.09E-07
2674	490660.04	3858960.04	3.15E-04	3.86E-04	3.38E-04	1.09E-07	3.29E-07	1.91E-07	2.34E-07	2.12E-07	9.66E-08	8.47E-08	0.00E+00	0.00E+00	3.51E-08	7.93E-09	5.03E-08	7.76E-09	6.56E-09	1.08E-07
2675	490710.04	3858960.04	3.10E-04	3.80E-04	3.33E-04	1.07E-07	3.24E-07	1.87E-07	2.30E-07	2.08E-07	9.50E-08	8.33E-08	0.00E+00	0.00E+00	3.45E-08	7.79E-09	4.95E-08	7.63E-09	6.45E-09	1.06E-07
2676	490760.04	3858960.04	3.05E-04	3.74E-04	3.28E-04	1.06E-07	3.19E-07	1.85E-07	2.26E-07	2.05E-07	9.35E-08	8.20E-08	0.00E+00	0.00E+00	3.39E-08	7.67E-09	4.87E-08	7.51E-09	6.35E-09	1.04E-07
2677	490810.04	3858960.04	3.00E-04	3.68E-04	3.22E-04	1.04E-07	3.14E-07	1.82E-07	2.22E-07	2.02E-07	9.20E-08	8.07E-08	0.00E+00	0.00E+00	3.34E-08	7.55E-09	4.79E-08	7.39E-09	6.25E-09	1.03E-07
2678	490860.04	3858960.04	2.95E-04	3.61E-04	3.17E-04	1.02E-07	3.08E-07	1.78E-07	2.19E-07	1.98E-07	9.04E-08	7.93E-08	0.00E+00	0.00E+00	3.28E-08	7.42E-09	4.71E-08	7.26E-09	6.14E-09	1.01E-07
2679	490360.04	3859010.04	3.29E-04	4.03E-04	3.53E-04	1.14E-07	3.44E-07	1.99E-07	2.44E-07	2.21E-07	1.01E-07	8.84E-08	0.00E+00	0.00E+00	3.66E-08	8.27E-09	5.25E-08	8.09E-09	6.85E-09	1.12E-07
2680	490410.04	3859010.04	3.24E-04	3.97E-04	3.48E-04	1.12E-07	3.39E-07	1.96E-07	2.40E-07	2.18E-07	9.93E-08	8.71E-08	0.00E+00	0.00E+00	3.61E-08	8.15E-09	5.17E-08	7.97E-09	6.75E-09	1.11E-07
2681	490460.04	3859010.04	3.19E-04	3.90E-04	3.42E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.77E-08	8.57E-08	0.00E+00	0.00E+00	3.55E-08	8.02E-09	5.09E-08	7.85E-09	6.64E-09	1.09E-07
2682	490510.04	3859010.04	3.13E-04	3.84E-04	3.37E-04	1.09E-07	3.28E-07	1.90E-07	2.32E-07	2.11E-07	9.61E-08	8.43E-08	0.00E+00	0.00E+00	3.49E-08	7.89E-09	5.00E-08	7.72E-09	6.53E-09	1.07E-07
2683	490560.04	3859010.04	3.10E-04	3.79E-04	3.33E-04	1.07E-07	3.24E-07	1.87E-07	2.30E-07	2.08E-07	9.49E-08	8.33E-08	0.00E+00	0.00E+00	3.45E-08	7.79E-09	4.94E-08	7.62E-09	6.45E-09	1.06E-07
2684	490610.04	3859010.04	3.05E-04	3.73E-04	3.27E-04	1.05E-07	3.18E-07	1.84E-07	2.26E-07	2.05E-07	9.34E-08	8.19E-08	0.00E+00	0.00E+00	3.39E-08	7.66E-09	4.86E-08	7.50E-09	6.34E-09	1.04E-07
2685	490660.04	3859010.04	3.01E-04	3.69E-04	3.24E-04	1.04E-07	3.15E-07	1.82E-07	2.23E-07	2.03E-07	9.24E-08	8.10E-08	0.00E+00	0.00E+00	3.36E-08	7.58E-09	4.81E-08	7.42E-09	6.27E-09	1.03E-07
2686	490710.04	3859010.04	2.96E-04	3.63E-04	3.18E-04	1.03E-07	3.10E-07	1.79E-07	2.20E-07	1.99E-07	9.09E-08	7.97E-08	0.00E+00	0.00E+00	3.30E-08	7.46E-09	4.73E-08	7.30E-09	6.17E-09	1.01E-07
2687	490760.04	3859010.04	2.92E-04	3.57E-04	3.13E-04	1.01E-07	3.05E-07	1.77E-07	2.16E-07	1.96E-07	8.94E-08	7.84E-08	0.00E+00	0.00E+00	3.25E-08	7.34E-09	4.66E-08	7.18E-09	6.07E-09	9.96E-08
2688	490810.04	3859010.04	2.87E-04	3.52E-04	3.08E-04	9.94E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.80E-08	7.72E-08	0.00E+00	0.00E+00	3.20E-08	7.22E-09	4.58E-08	7.07E-09	5.97E-09	9.80E-08
2689	490860.04	3859010.04	2.83E-04	3.46E-04	3.04E-04	9.79E-08	2.95E-07	1.71E-07	2.10E-07	1.90E-07	8.67E-08	7.60E-08	0.00E+00	0.00E+00	3.15E-08	7.11E-09	4.51E-08	6.96E-09	5.88E-09	9.65E-08
2690	490360.04	3859060.04	3.13E-04	3.83E-04	3.36E-04	1.08E-07	3.27E-07	1.89E-07	2.32E-07	2.10E-07	9.59E-08	8.41E-08	0.00E+00	0.00E+00	3.48E-08	7.87E-09	4.99E-08	7.70E-09	6.51E-09	1.07E-07
2691	490410.04	3859060.04	3.08E-04	3.77E-04	3.31E-04	1.07E-07	3.22E-07	1.86E-07	2.28E-07	2.07E-07	9.44E-08	8.28E-08	0.00E+00	0.00E+00	3.43E-08	7.74E-09	4.91E-08	7.58E-09	6.41E-09	1.05E-07
2692	490460.04	3859060.04	3.03E-04	3.71E-04	3.26E-04	1.05E-07	3.17E-07	1.83E-07	2.25E-07	2.04E-07	9.30E-08	8.16E-08	0.00E+00	0.00E+00	3.38E-08	7.63E-09	4.84E-08	7.47E-09	6.31E-09	1.04E-07
2693	490510.04	3859060.04	2.99E-04	3.66E-04	3.21E-04	1.04E-07	3.13E-07	1.81E-07	2.22E-07	2.01E-07	9.17E-08	8.04E-08	0.00E+00	0.00E+00	3.33E-08	7.52E-09	4.77E-08	7.36E-09	6.23E-09	1.02E-07
2694	490560.04	3859060.04	2.94E-04	3.61E-04	3.16E-04	1.02E-07	3.08E-07	1.78E-07	2.18E-07	1.98E-07	9.03E-08	7.92E-08	0.00E+00	0.00E+00	3.28E-08	7.41E-09	4.70E-08	7.25E-09	6.13E-09	1.01E-07
2695	490610.04	3859060.04	2.91E-04	3.56E-04	3.12E-04	1.01E-07	3.04E-07	1.76E-07	2.16E-07	1.95E-07	8.92E-08	7.82E-08	0.00E+00	0.00E+00	3.24E-08	7.32E-09	4.64E-08	7.16E-09	6.05E-09	9.93E-08
2696	490660.04	3859060.04	2.87E-04	3.52E-04	3.09E-04	9.95E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.81E-08	7.73E-08	0.00E+00	0.00E+00	3.20E-08	7.23E-09	4.59E-08	7.08E-09	5.98E-09	9.82E-08
2697	490710.04	3859060.04	2.83E-04	3.46E-04	3.04E-04	9.79E-08	2.96E-07	1.71E-07	2.10E-07	1.90E-07	8.67E-08	7.60E-08	0.00E+00	0.00E+00	3.15E-08	7.11E-09	4.51E-08	6.96E-09	5.89E-09	9.66E-08
2698	490760.04	3859060.04	2.78E-04	3.41E-04	2.99E-04	9.64E-08	2.91E-07	1.68E-07	2.06E-07	1.87E-07	8.53E-08	7.48E-08	0.00E+00	0.00E+00	3.10E-08	7.00E-09	4.44E-08	6.85E-09	5.79E-09	9.51E-08
2699	490810.04	3859060.04	2.74E-04	3.36E-04	2.94E-04	9.48E-08	2.86E-07	1.66E-07	2.03E-07	1.84E-07	8.40E-08	7.36E-08	0.00E+00	0.00E+00	3.05E-08	6.89E-09	4.37E-08	6.74E-09	5.70E-09	9.36E-08
2700	490860.04	3859060.04	2.70E-04	3.30E-04	2.90E-04	9.34E-08	2.82E-07	1.63E-07	2.00E-07	1.81E-07	8.27E-08	7.25E-08	0.00E+00	0.00E+00	3.00E-08	6.79E-09	4.31E-08	6.64E-09	5.61E-09	9.21E-08
2701	490360.04	3859110.04	2.98E-04	3.65E-04	3.20E-04	1.03E-07	3.11E-07	1.80E-07	2.21E-07	2.00E-07	9.12E-08	8.00E-08	0.00E+00	0.00E+00	3.31E-08	7.49E-09	4.75E-08	7.33E-09	6.20E-09	1.02E-07
2702	490410.04	3859110.04	2.93E-04	3.59E-04	3.15E-04	1.01E-07	3.06E-07	1.77E-07	2.17E-07	1.97E-07	8.99E-08	7.89E-08	0.00E+00	0.00E+00	3.26E-08	7.38E-09	4.68E-08	7.22E-09	6.11E-09	1.00E-07
2703	490460.04	3859110.04	2.90E-04	3.55E-04	3.11E-04	1.00E-07	3.03E-07	1.75E-07	2.15E-07	1.95E-07	8.88E-08	7.79E-08	0.00E+00	0.00E+00	3.22E-08	7.29E-09	4.62E-08	7.13E-09	6.03E-09	9.89E-08
2704	490510.04	3859110.04	2.84E-04	3.48E-04	3.05E-04	9.84E-08	2.97E-07	1.72E-07	2.11E-07	1.91E-07	8.71E-08	7.64E-08	0.00E+00	0.00E+00	3.16E-08	7.15E-09	4.54E-08	7.00E-09	5.92E-09	9.71E-08
2705	490560.04	3859110.04	2.80E-04	3.44E-04	3.01E-04	9.71E-08	2.93E-07	1.70E-07	2.08E-07	1.88E-07	8.60E-08	7.54E-08	0.00E+00	0.00E+00	3.12E-08	7.06E-09	4.48E-08	6.90E-09	5.84E-09	9.58E-08
2706	490610.04	3859110.04	2.76E-04	3.38E-04	2.97E-04	9.57E-08	2.89E-07	1.67E-07	2.05E-07	1.86E-07	8.47E-08	7.43E-08	0.00E+00	0.00E+00	3.08E-08	6.95E-09	4.41E-08	6.80E-09	5.75E-09	9.44E-08
2707	490660.04	3859110.04	2.72E-04	3.33E-04	2.92E-04	9.41E-08	2.84E-07	1.64E-07	2.01E-07	1.83E-07	8.33E-08	7.31E-08	0.00E+00	0.00E+00	3.03E-08	6.84E-09	4.34E-08	6.69E-09	5.66E-09	9.28E-08
2708	490710.04	3859110.04	2.69E-04	3.29E-04	2.89E-04	9.30E-08	2.81E-07	1.63E-07	1.99E-07	1.81E-07	8.24E-08	7.22E-08	0.00E+00	0.00E+00	2.99E-08	6.76E-09	4.29E-08	6.61E-09	5.59E-09	9.18E-08
2709	490760.04	3859110.04	2.65E-04	3.25E-04	2.85E-04	9.17E-08	2.77E-07	1.60E-07	1.96E-07	1.78E-07	8.12E-08	7.12E-08	0.00E+00	0.00E+00	2.95E-08	6.67E-09	4.23E-08	6.52E-09	5.51E-09	9.05E-08
2710	490810.04	3859110.04	2.61E-04	3.19E-04	2.80E-04	9.02E-08	2.72E-07	1.58E-07	1.93E-07	1.75E-07	7.99E-08	7.00E-08	0.00E+00	0.00E+00	2.90E-08	6.55E-09	4.16E-08	6.41E-09	5.42E-09	8.90E-08
2711	490860.04	3859110.04	2.56E-04	3.14E-04	2.75E-04	8.87E-08	2.68E-07	1.55E-07	1.90E-07	1.72E-07	7.86E-08	6.89E-08	0.00E+00	0.00E+00	2.85E-08	6.45E-09	4.09E-08	6.31E-09	5.33E-09	8.75E-08
2712	490360.04	3859160.04	2.83E-04	3.47E-04	3.04E-04	9.80E-08	2.96E-07	1.71E-07	2.10E-07	1.90E-07	8.68E-08	7.61E-08	0.00E+00	0.00E+00	3.15E-08	7.12E-09	4.52E-08	6.97E-09	5.89E-09	9.67E-08
2713	490410.04	3859160.04	2.79E-04	3.42E-04	3.00E-04	9.67E-08	2.92E-07	1.69E-07	2.07E-07	1.88E-07	8.56E-08	7.51E-08	0.00E+00	0.00E+00	3.11E-08	7.03E-09	4.46E-08	6.88E-09	5.82E-09	9.54E-08
2714	490460.04	3859160.04	2.76E-04	3.38E-04	2.96E-04	9.55E-08	2.88E-07	1.67E-07	2.04E-07	1.85E-07	8.46E-08	7.42E-08	0.00E+00	0.00E+00	3.07E-08	6.94E-09	4.40E-08	6.79E-09	5.74E-09	9.42E-08
2715	490510.04	3859160.04	2.72E-04	3.33E-04	2.92E-04	9.42E-08	2.84E-07	1.65E-07	2.02E-07	1.83E-07	8.34E-08	7.32E-08	0.00E+00	0.00E+00	3.03E-08	6.84E-09	4.34E-08	6.70E-09	5.67E-09	9.29E-08
2716	490560.04	3859160.04	2.68E-04	3.28E-04	2.88E-04	9.27E-08	2.80E-07	1.62E-07	1.98E-07	1.80E-07	8.21E-08	7.20E-08	0.00E+00	0.00E+00	2.98E-08	6.73E-09	4.27E-08	6.59E-09	5.57E-09	9.14E-08
2717	490610.04	3859160.04	2.64E-04	3.24E-04	2.84E-04	9.15E-08	2.76E-07	1.60E-07	1.96E-07	1.78E-07	8.11E-08	7.11E-08	0.00E+00	0.00E+00	2.94E-08	6.65E-09	4.22E-08	6.51E-09	5.50E-09	9.03E-08
2718	490660.04	3859160.04	2.58E-04	3.16E-04	2.77E-04	8.94E-08	2.70E-07	1.56E-07	1.91E-07	1.74E-07	7.92E-08	6.94E-08	0.00E+00	0.00E+00	2.87E-08	6.50E-09	4.12E-08	6.36E-09	5.38E-09	8.82E-08
2719	490710.04	3859160.04	2.55E-04	3.13E-04	2.74E-04	8.84E-08	2.67E-07	1.54E-07	1.89E-07	1.72E-07	7.83E-08	6.86E-08	0.00E+00	0.00E+00	2.84E-08	6.42E-09	4.08E-08	6.28E-09	5.31E-09	8.72E-08

2720	490760.04	3859160.04	2.50E-04	3.07E-04	2.69E-04	8.67E-08	2.62E-07	1.52E-07	1.86E-07	1.68E-07	7.68E-08	6.73E-08	0.00E+00	0.00E+00	2.79E-08	6.30E-09	4.00E-08	6.17E-09	5.21E-09	8.55E-08
2721	490810.04	3859160.04	2.47E-04	3.03E-04	2.66E-04	8.57E-08	2.59E-07	1.50E-07	1.83E-07	1.66E-07	7.59E-08	6.65E-08	0.00E+00	0.00E+00	2.76E-08	6.23E-09	3.95E-08	6.09E-09	5.15E-09	8.45E-08
2722	490860.04	3859160.04	2.44E-04	2.99E-04	2.62E-04	8.45E-08	2.55E-07	1.48E-07	1.81E-07	1.64E-07	7.49E-08	6.56E-08	0.00E+00	0.00E+00	2.72E-08	6.14E-09	3.90E-08	6.01E-09	5.08E-09	8.34E-08
2723	490360.04	3859210.04	2.69E-04	3.29E-04	2.89E-04	9.31E-08	2.81E-07	1.63E-07	1.99E-07	1.81E-07	8.25E-08	7.24E-08	0.00E+00	0.00E+00	2.99E-08	6.77E-09	4.29E-08	6.62E-09	5.60E-09	9.19E-08
2724	490410.04	3859210.04	2.67E-04	3.27E-04	2.87E-04	9.24E-08	2.79E-07	1.61E-07	1.98E-07	1.79E-07	8.18E-08	7.18E-08	0.00E+00	0.00E+00	2.97E-08	6.71E-09	4.26E-08	6.57E-09	5.56E-09	9.11E-08
2725	490460.04	3859210.04	2.63E-04	3.22E-04	2.82E-04	9.09E-08	2.75E-07	1.59E-07	1.95E-07	1.76E-07	8.05E-08	7.06E-08	0.00E+00	0.00E+00	2.92E-08	6.61E-09	4.19E-08	6.47E-09	5.47E-09	8.97E-08
2726	490510.04	3859210.04	2.59E-04	3.18E-04	2.79E-04	8.97E-08	2.71E-07	1.57E-07	1.92E-07	1.74E-07	7.95E-08	6.97E-08	0.00E+00	0.00E+00	2.89E-08	6.52E-09	4.14E-08	6.38E-09	5.40E-09	8.85E-08
2727	490560.04	3859210.04	2.57E-04	3.14E-04	2.76E-04	8.88E-08	2.68E-07	1.55E-07	1.90E-07	1.72E-07	7.86E-08	6.90E-08	0.00E+00	0.00E+00	2.86E-08	6.45E-09	4.10E-08	6.32E-09	5.34E-09	8.76E-08
2728	490610.04	3859210.04	2.53E-04	3.10E-04	2.72E-04	8.76E-08	2.65E-07	1.53E-07	1.88E-07	1.70E-07	7.76E-08	6.80E-08	0.00E+00	0.00E+00	2.82E-08	6.37E-09	4.04E-08	6.23E-09	5.27E-09	8.64E-08
2729	490660.04	3859210.04	2.48E-04	3.04E-04	2.66E-04	8.58E-08	2.59E-07	1.50E-07	1.84E-07	1.67E-07	7.60E-08	6.66E-08	0.00E+00	0.00E+00	2.76E-08	6.24E-09	3.96E-08	6.10E-09	5.16E-09	8.47E-08
2730	490710.04	3859210.04	2.45E-04	3.00E-04	2.63E-04	8.47E-08	2.56E-07	1.48E-07	1.81E-07	1.64E-07	7.50E-08	6.57E-08	0.00E+00	0.00E+00	2.72E-08	6.15E-09	3.90E-08	6.02E-09	5.09E-09	8.35E-08
2731	490760.04	3859210.04	2.40E-04	2.94E-04	2.58E-04	8.31E-08	2.51E-07	1.45E-07	1.78E-07	1.61E-07	7.36E-08	6.45E-08	0.00E+00	0.00E+00	2.67E-08	6.04E-09	3.83E-08	5.91E-09	5.00E-09	8.20E-08
2732	490810.04	3859210.04	2.39E-04	2.93E-04	2.57E-04	8.27E-08	2.50E-07	1.45E-07	1.77E-07	1.60E-07	7.32E-08	6.42E-08	0.00E+00	0.00E+00	2.66E-08	6.01E-09	3.81E-08	5.88E-09	4.97E-09	8.16E-08
2733	490860.04	3859210.04	2.37E-04	2.91E-04	2.55E-04	8.22E-08	2.48E-07	1.44E-07	1.76E-07	1.60E-07	7.28E-08	6.38E-08	0.00E+00	0.00E+00	2.64E-08	5.97E-09	3.79E-08	5.85E-09	4.94E-09	8.11E-08
2734	490360.04	3859260.04	2.55E-04	3.13E-04	2.75E-04	8.84E-08	2.67E-07	1.55E-07	1.89E-07	1.72E-07	7.83E-08	6.87E-08	0.00E+00	0.00E+00	2.84E-08	6.43E-09	4.08E-08	6.29E-09	5.32E-09	8.73E-08
2735	490410.04	3859260.04	2.53E-04	3.10E-04	2.72E-04	8.77E-08	2.65E-07	1.53E-07	1.88E-07	1.70E-07	7.77E-08	6.81E-08	0.00E+00	0.00E+00	2.82E-08	6.37E-09	4.04E-08	6.24E-09	5.28E-09	8.65E-08
2736	490460.04	3859260.04	2.51E-04	3.08E-04	2.70E-04	8.71E-08	2.63E-07	1.52E-07	1.86E-07	1.69E-07	7.71E-08	6.76E-08	0.00E+00	0.00E+00	2.80E-08	6.33E-09	4.01E-08	6.19E-09	5.24E-09	8.59E-08
2737	490510.04	3859260.04	2.50E-04	3.06E-04	2.68E-04	8.64E-08	2.61E-07	1.51E-07	1.85E-07	1.68E-07	7.65E-08	6.71E-08	0.00E+00	0.00E+00	2.78E-08	6.28E-09	3.98E-08	6.14E-09	5.19E-09	8.52E-08
2738	490560.04	3859260.04	2.47E-04	3.02E-04	2.65E-04	8.54E-08	2.58E-07	1.49E-07	1.83E-07	1.66E-07	7.56E-08	6.63E-08	0.00E+00	0.00E+00	2.75E-08	6.21E-09	3.94E-08	6.07E-09	5.14E-09	8.43E-08
2739	490610.04	3859260.04	2.43E-04	2.97E-04	2.61E-04	8.41E-08	2.54E-07	1.47E-07	1.80E-07	1.63E-07	7.44E-08	6.53E-08	0.00E+00	0.00E+00	2.70E-08	6.11E-09	3.88E-08	5.98E-09	5.05E-09	8.29E-08
2740	490660.04	3859260.04	2.42E-04	2.96E-04	2.59E-04	8.36E-08	2.52E-07	1.46E-07	1.79E-07	1.62E-07	7.40E-08	6.49E-08	0.00E+00	0.00E+00	2.69E-08	6.08E-09	3.86E-08	5.95E-09	5.03E-09	8.25E-08
2741	490710.04	3859260.04	2.39E-04	2.93E-04	2.57E-04	8.27E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.42E-08	0.00E+00	0.00E+00	2.66E-08	6.01E-09	3.81E-08	5.88E-09	4.97E-09	8.16E-08
2742	490760.04	3859260.04	2.35E-04	2.88E-04	2.52E-04	8.13E-08	2.45E-07	1.42E-07	1.74E-07	1.58E-07	7.20E-08	6.31E-08	0.00E+00	0.00E+00	2.61E-08	5.91E-09	3.75E-08	5.78E-09	4.89E-09	8.02E-08
2743	490810.04	3859260.04	2.33E-04	2.86E-04	2.50E-04	8.07E-08	2.44E-07	1.41E-07	1.73E-07	1.57E-07	7.15E-08	6.27E-08	0.00E+00	0.00E+00	2.60E-08	5.87E-09	3.72E-08	5.74E-09	4.85E-09	7.96E-08
2744	490860.04	3859260.04	2.32E-04	2.84E-04	2.49E-04	8.02E-08	2.42E-07	1.40E-07	1.72E-07	1.56E-07	7.10E-08	6.22E-08	0.00E+00	0.00E+00	2.58E-08	5.83E-09	3.70E-08	5.70E-09	4.82E-09	7.91E-08
2745	490360.04	3859310.04	2.44E-04	2.98E-04	2.62E-04	8.43E-08	2.55E-07	1.47E-07	1.81E-07	1.64E-07	7.47E-08	6.55E-08	0.00E+00	0.00E+00	2.71E-08	6.13E-09	3.89E-08	6.00E-09	5.07E-09	8.32E-08
2746	490410.04	3859310.04	2.42E-04	2.96E-04	2.60E-04	8.37E-08	2.53E-07	1.46E-07	1.79E-07	1.63E-07	7.41E-08	6.51E-08	0.00E+00	0.00E+00	2.69E-08	6.08E-09	3.86E-08	5.95E-09	5.04E-09	8.26E-08
2747	490460.04	3859310.04	2.40E-04	2.94E-04	2.58E-04	8.32E-08	2.51E-07	1.45E-07	1.78E-07	1.61E-07	7.36E-08	6.46E-08	0.00E+00	0.00E+00	2.67E-08	6.04E-09	3.83E-08	5.91E-09	5.00E-09	8.21E-08
2748	490510.04	3859310.04	2.39E-04	2.93E-04	2.57E-04	8.27E-08	2.50E-07	1.45E-07	1.77E-07	1.60E-07	7.32E-08	6.42E-08	0.00E+00	0.00E+00	2.66E-08	6.01E-09	3.81E-08	5.88E-09	4.97E-09	8.16E-08
2749	490560.04	3859310.04	2.37E-04	2.91E-04	2.55E-04	8.21E-08	2.48E-07	1.44E-07	1.76E-07	1.59E-07	7.27E-08	6.38E-08	0.00E+00	0.00E+00	2.64E-08	5.97E-09	3.79E-08	5.84E-09	4.94E-09	8.10E-08
2750	490610.04	3859310.04	2.36E-04	2.89E-04	2.53E-04	8.16E-08	2.47E-07	1.43E-07	1.75E-07	1.58E-07	7.23E-08	6.34E-08	0.00E+00	0.00E+00	2.63E-08	5.93E-09	3.76E-08	5.81E-09	4.91E-09	8.05E-08
2751	490660.04	3859310.04	2.34E-04	2.87E-04	2.51E-04	8.10E-08	2.45E-07	1.42E-07	1.73E-07	1.57E-07	7.17E-08	6.29E-08	0.00E+00	0.00E+00	2.60E-08	5.89E-09	3.73E-08	5.76E-09	4.87E-09	7.99E-08
2752	490710.04	3859310.04	2.31E-04	2.82E-04	2.48E-04	7.98E-08	2.41E-07	1.40E-07	1.71E-07	1.55E-07	7.07E-08	6.20E-08	0.00E+00	0.00E+00	2.57E-08	5.80E-09	3.68E-08	5.68E-09	4.80E-09	7.88E-08
2753	490760.04	3859310.04	2.28E-04	2.80E-04	2.45E-04	7.90E-08	2.39E-07	1.38E-07	1.69E-07	1.53E-07	7.00E-08	6.14E-08	0.00E+00	0.00E+00	2.54E-08	5.74E-09	3.64E-08	5.62E-09	4.75E-09	7.80E-08
2754	490810.04	3859310.04	2.27E-04	2.78E-04	2.44E-04	7.85E-08	2.37E-07	1.37E-07	1.68E-07	1.52E-07	6.95E-08	6.10E-08	0.00E+00	0.00E+00	2.53E-08	5.71E-09	3.62E-08	5.58E-09	4.72E-09	7.75E-08
2755	490860.04	3859310.04	2.25E-04	2.75E-04	2.41E-04	7.78E-08	2.35E-07	1.36E-07	1.66E-07	1.51E-07	6.89E-08	6.04E-08	0.00E+00	0.00E+00	2.50E-08	5.65E-09	3.59E-08	5.53E-09	4.67E-09	7.67E-08
2756	490360.04	3859360.04	2.32E-04	2.85E-04	2.50E-04	8.04E-08	2.43E-07	1.41E-07	1.72E-07	1.56E-07	7.12E-08	6.25E-08	0.00E+00	0.00E+00	2.59E-08	5.84E-09	3.71E-08	5.72E-09	4.84E-09	7.94E-08
2757	490410.04	3859360.04	2.31E-04	2.83E-04	2.49E-04	8.00E-08	2.42E-07	1.40E-07	1.71E-07	1.55E-07	7.09E-08	6.22E-08	0.00E+00	0.00E+00	2.57E-08	5.82E-09	3.69E-08	5.69E-09	4.82E-09	7.90E-08
2758	490460.04	3859360.04	2.30E-04	2.82E-04	2.47E-04	7.97E-08	2.41E-07	1.39E-07	1.71E-07	1.55E-07	7.06E-08	6.19E-08	0.00E+00	0.00E+00	2.56E-08	5.79E-09	3.67E-08	5.67E-09	4.79E-09	7.86E-08
2759	490510.04	3859360.04	2.29E-04	2.81E-04	2.46E-04	7.93E-08	2.39E-07	1.39E-07	1.70E-07	1.54E-07	7.02E-08	6.16E-08	0.00E+00	0.00E+00	2.55E-08	5.76E-09	3.66E-08	5.64E-09	4.77E-09	7.82E-08
2760	490560.04	3859360.04	2.28E-04	2.79E-04	2.45E-04	7.88E-08	2.38E-07	1.38E-07	1.69E-07	1.53E-07	6.98E-08	6.12E-08	0.00E+00	0.00E+00	2.53E-08	5.73E-09	3.63E-08	5.60E-09	4.74E-09	7.78E-08
2761	490610.04	3859360.04	2.26E-04	2.77E-04	2.43E-04	7.83E-08	2.36E-07	1.37E-07	1.68E-07	1.52E-07	6.93E-08	6.08E-08	0.00E+00	0.00E+00	2.52E-08	5.69E-09	3.61E-08	5.57E-09	4.71E-09	7.73E-08
2762	490660.04	3859360.04	2.25E-04	2.75E-04	2.42E-04	7.78E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.89E-08	6.04E-08	0.00E+00	0.00E+00	2.50E-08	5.66E-09	3.59E-08	5.53E-09	4.68E-09	7.68E-08
2763	490710.04	3859360.04	2.23E-04	2.73E-04	2.39E-04	7.71E-08	2.33E-07	1.35E-07	1.65E-07	1.50E-07	6.83E-08	5.99E-08	0.00E+00	0.00E+00	2.48E-08	5.61E-09	3.56E-08	5.49E-09	4.64E-09	7.61E-08
2764	490760.04	3859360.04	2.21E-04	2.70E-04	2.37E-04	7.64E-08	2.31E-07	1.33E-07	1.64E-07	1.48E-07	6.76E-08	5.93E-08	0.00E+00	0.00E+00	2.46E-08	5.55E-09	3.52E-08	5.43E-09	4.59E-09	7.53E-08
2765	490810.04	3859360.04	2.20E-04	2.69E-04	2.36E-04	7.61E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.74E-08	5.91E-08	0.00E+00	0.00E+00	2.45E-08	5.53E-09	3.51E-08	5.41E-09	4.58E-09	7.51E-08
2766	490860.04	3859360.04	2.18E-04	2.67E-04	2.34E-04	7.56E-08	2.28E-07	1.32E-07	1.62E-07	1.47E-07	6.69E-08	5.87E-08	0.00E+00	0.00E+00	2.43E-08	5.49E-09	3.48E-08	5.37E-09	4.54E-09	7.46E-08
2767	490360.04	3859410.04	2.22E-04	2.71E-04	2.38E-04	7.67E-08	2.32E-07	1.34E-07	1.64E-07	1.49E-07	6.79E-08	5.96E-08	0.00E+00	0.00E+00	2.47E-08	5.58E-09	3.54E-08	5.46E-09	4.62E-09	7.57E-08
2768	490410.04	3859410.04	2.21E-04	2.71E-04	2.37E-04	7.65E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.77E-08	5.94E-08	0.00E+00	0.00E+00	2.46E-08	5.56E-09	3.53E-08	5.44E-09	4.60E-09	7.54E-08
2769	490460.04	3859410.04	2.20E-04	2.70E-04	2.37E-04	7.62E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.75E-08	5.92E-08	0.00E+00	0.00E+00	2.45E-08	5.54E-09	3.51E-08	5.42E-09	4.58E-09	7.52E-08
2770	490510.04	3859410.04	2.19E-04	2.69E-04	2.36E-04	7.59E-08	2.29E-07	1.33E-07	1.63E-07	1.47E-07	6.72E-08	5.90E-08	0.00E+00	0.00E+00	2.44E-08	5.52E-09	3.50E-08	5.40E-09	4.57E-09	7.49E-08
2771	490560.04	3859410.04	2.18E-04	2.68E-04	2.35E-04	7.56E-08	2.28E-07	1.32E-07	1.62E-07	1.47E-07	6.70E-08	5.87E-08	0.00E+00	0.00E+00	2.43E-08	5.49E-09	3.49E-08	5.38E-09	4.55E-09	7.46E-08
2772	490610.04	3859410.04	2.18E-04	2.66E-04	2.34E-04	7.53E-08	2.27E-07	1.32E-07	1.61E-07	1.46E-07	6.67E-08	5.85E-08	0.00E+00	0.00E+00	2.42E-08	5.47E-09	3.47E-08	5.35E-09	4.53E-09	7.43E-08
2773	490660.04	3859410.04	2.16E-04	2.65E-04	2.32E-04	7.48E-08	2.26E-07	1.31E-07	1.60E-07	1.45E-07	6.63E-08	5.81E-08	0.00E+00	0.00E+00	2.41E-08	5.44E-09	3.45E-08	5.32E-09	4.50E-09	7.38E-08
2774	490710.04	3859410.04	2.15E-04	2.63E-04	2.31E-04	7.44E-08	2.25E-07	1.30E-07	1.59E-07	1.44E-07	6.59E-08	5.78E-08	0.00E+00	0.00E+00	2.39E-08	5.40E-09	3.43E-08	5.29E-09	4.47E-09	7.34E-08
2775	490760.04	3859410.04	2.13E-04	2.61E-04	2.29E-04	7.37E-08	2.23E-07	1.29E-07	1.58E-07	1.43E-07	6.53E-08	5.73E-08	0.00E+00	0.00E+00	2.37E-08	5.36E-09	3.40E-08	5.24E-09	4.43E-09	7.27E-08
2776	490810.04	3859410.04	2.12E-04	2.60E-04	2.28E-04	7.35E-08	2.22E-07	1.28E-07	1.57E-07	1.43E-07	6.51E-08	5.71E-08	0.00E+00	0.00E+00	2.36E-08	5.34E-09	3.39E-08	5.22E-09	4.42E-09	7.25E-08
2777	490860.04	3859410.04	2.12E-04	2.59E-04	2.27E-04	7.33E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.49E-08	5.69E-08	0.00E+00	0.00E+00	2.36E-08	5.33E-09	3.38E-08	5.21E-09	4.41E-09	7.23E-08

2778	490360.04	3859460.04	2.11E-04	2.59E-04	2.27E-04	7.32E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.48E-08	5.69E-08	0.00E+00	0.00E+00	2.35E-08	5.32E-09	3.38E-08	5.21E-09	4.40E-09	7.22E-08
2779	490410.04	3859460.04	2.11E-04	2.58E-04	2.27E-04	7.30E-08	2.21E-07	1.28E-07	1.56E-07	1.42E-07	6.47E-08	5.67E-08	0.00E+00	0.00E+00	2.35E-08	5.31E-09	3.37E-08	5.19E-09	4.39E-09	7.21E-08
2780	490460.04	3859460.04	2.10E-04	2.58E-04	2.26E-04	7.28E-08	2.20E-07	1.27E-07	1.56E-07	1.41E-07	6.45E-08	5.66E-08	0.00E+00	0.00E+00	2.34E-08	5.29E-09	3.36E-08	5.18E-09	4.38E-09	7.19E-08
2781	490510.04	3859460.04	2.10E-04	2.57E-04	2.25E-04	7.26E-08	2.19E-07	1.27E-07	1.56E-07	1.41E-07	6.43E-08	5.64E-08	0.00E+00	0.00E+00	2.34E-08	5.28E-09	3.35E-08	5.17E-09	4.37E-09	7.17E-08
2782	490560.04	3859460.04	2.09E-04	2.56E-04	2.25E-04	7.24E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.41E-08	5.63E-08	0.00E+00	0.00E+00	2.33E-08	5.26E-09	3.34E-08	5.15E-09	4.36E-09	7.15E-08
2783	490610.04	3859460.04	2.09E-04	2.55E-04	2.24E-04	7.22E-08	2.18E-07	1.26E-07	1.55E-07	1.40E-07	6.39E-08	5.61E-08	0.00E+00	0.00E+00	2.32E-08	5.25E-09	3.33E-08	5.13E-09	4.34E-09	7.12E-08
2784	490660.04	3859460.04	2.08E-04	2.54E-04	2.23E-04	7.19E-08	2.17E-07	1.26E-07	1.54E-07	1.40E-07	6.37E-08	5.59E-08	0.00E+00	0.00E+00	2.31E-08	5.23E-09	3.32E-08	5.11E-09	4.33E-09	7.09E-08
2785	490710.04	3859460.04	2.07E-04	2.53E-04	2.22E-04	7.16E-08	2.16E-07	1.25E-07	1.53E-07	1.39E-07	6.34E-08	5.56E-08	0.00E+00	0.00E+00	2.30E-08	5.21E-09	3.30E-08	5.09E-09	4.31E-09	7.07E-08
2786	490760.04	3859460.04	2.06E-04	2.52E-04	2.21E-04	7.13E-08	2.15E-07	1.25E-07	1.53E-07	1.38E-07	6.32E-08	5.54E-08	0.00E+00	0.00E+00	2.29E-08	5.18E-09	3.29E-08	5.07E-09	4.29E-09	7.04E-08
2787	490810.04	3859460.04	2.05E-04	2.51E-04	2.20E-04	7.10E-08	2.14E-07	1.24E-07	1.52E-07	1.38E-07	6.29E-08	5.51E-08	0.00E+00	0.00E+00	2.28E-08	5.16E-09	3.27E-08	5.05E-09	4.27E-09	7.00E-08
2788	490860.04	3859460.04	2.04E-04	2.50E-04	2.20E-04	7.08E-08	2.14E-07	1.24E-07	1.52E-07	1.37E-07	6.27E-08	5.50E-08	0.00E+00	0.00E+00	2.28E-08	5.14E-09	3.26E-08	5.03E-09	4.26E-09	6.98E-08
2789	490360.04	3859510.04	2.02E-04	2.47E-04	2.17E-04	6.98E-08	2.11E-07	1.22E-07	1.49E-07	1.35E-07	6.18E-08	5.42E-08	0.00E+00	0.00E+00	2.24E-08	5.07E-09	3.22E-08	4.96E-09	4.20E-09	6.88E-08
2790	490410.04	3859510.04	2.01E-04	2.47E-04	2.16E-04	6.97E-08	2.11E-07	1.22E-07	1.49E-07	1.35E-07	6.17E-08	5.42E-08	0.00E+00	0.00E+00	2.24E-08	5.07E-09	3.22E-08	4.96E-09	4.19E-09	6.88E-08
2791	490460.04	3859510.04	2.01E-04	2.46E-04	2.16E-04	6.96E-08	2.10E-07	1.22E-07	1.49E-07	1.35E-07	6.17E-08	5.41E-08	0.00E+00	0.00E+00	2.24E-08	5.06E-09	3.21E-08	4.95E-09	4.19E-09	6.87E-08
2792	490510.04	3859510.04	2.01E-04	2.46E-04	2.16E-04	6.95E-08	2.10E-07	1.21E-07	1.49E-07	1.35E-07	6.16E-08	5.40E-08	0.00E+00	0.00E+00	2.24E-08	5.05E-09	3.21E-08	4.94E-09	4.18E-09	6.86E-08
2793	490560.04	3859510.04	2.00E-04	2.45E-04	2.15E-04	6.94E-08	2.09E-07	1.21E-07	1.49E-07	1.35E-07	6.14E-08	5.39E-08	0.00E+00	0.00E+00	2.23E-08	5.04E-09	3.20E-08	4.93E-09	4.17E-09	6.84E-08
2794	490610.04	3859510.04	2.00E-04	2.45E-04	2.15E-04	6.92E-08	2.09E-07	1.21E-07	1.48E-07	1.34E-07	6.13E-08	5.38E-08	0.00E+00	0.00E+00	2.23E-08	5.03E-09	3.19E-08	4.92E-09	4.16E-09	6.83E-08
2795	490660.04	3859510.04	1.99E-04	2.44E-04	2.14E-04	6.90E-08	2.08E-07	1.21E-07	1.48E-07	1.34E-07	6.11E-08	5.36E-08	0.00E+00	0.00E+00	2.22E-08	5.02E-09	3.18E-08	4.91E-09	4.15E-09	6.81E-08
2796	490710.04	3859510.04	1.99E-04	2.44E-04	2.14E-04	6.88E-08	2.08E-07	1.20E-07	1.47E-07	1.34E-07	6.10E-08	5.35E-08	0.00E+00	0.00E+00	2.21E-08	5.00E-09	3.17E-08	4.89E-09	4.14E-09	6.79E-08
2797	490760.04	3859510.04	1.98E-04	2.43E-04	2.13E-04	6.86E-08	2.07E-07	1.20E-07	1.47E-07	1.33E-07	6.08E-08	5.33E-08	0.00E+00	0.00E+00	2.21E-08	4.99E-09	3.16E-08	4.88E-09	4.13E-09	6.77E-08
2798	490810.04	3859510.04	1.98E-04	2.42E-04	2.12E-04	6.84E-08	2.07E-07	1.20E-07	1.46E-07	1.33E-07	6.06E-08	5.31E-08	0.00E+00	0.00E+00	2.20E-08	4.97E-09	3.16E-08	4.87E-09	4.11E-09	6.75E-08
2799	490860.04	3859510.04	1.97E-04	2.41E-04	2.12E-04	6.82E-08	2.06E-07	1.19E-07	1.46E-07	1.32E-07	6.04E-08	5.30E-08	0.00E+00	0.00E+00	2.19E-08	4.96E-09	3.14E-08	4.85E-09	4.10E-09	6.73E-08
2800	490360.04	3859560.04	1.92E-04	2.35E-04	2.07E-04	6.65E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.89E-08	5.17E-08	0.00E+00	0.00E+00	2.14E-08	4.84E-09	3.07E-08	4.73E-09	4.00E-09	6.57E-08
2801	490410.04	3859560.04	1.92E-04	2.35E-04	2.06E-04	6.65E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.89E-08	5.17E-08	0.00E+00	0.00E+00	2.14E-08	4.83E-09	3.07E-08	4.73E-09	4.00E-09	6.56E-08
2802	490460.04	3859560.04	1.92E-04	2.35E-04	2.06E-04	6.65E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.89E-08	5.17E-08	0.00E+00	0.00E+00	2.14E-08	4.83E-09	3.07E-08	4.73E-09	4.00E-09	6.56E-08
2803	490510.04	3859560.04	1.92E-04	2.35E-04	2.07E-04	6.65E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.89E-08	5.17E-08	0.00E+00	0.00E+00	2.14E-08	4.84E-09	3.07E-08	4.73E-09	4.00E-09	6.56E-08
2804	490560.04	3859560.04	1.92E-04	2.35E-04	2.06E-04	6.64E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.88E-08	5.16E-08	0.00E+00	0.00E+00	2.14E-08	4.83E-09	3.06E-08	4.72E-09	4.00E-09	6.55E-08
2805	490610.04	3859560.04	1.92E-04	2.35E-04	2.06E-04	6.64E-08	2.00E-07	1.16E-07	1.42E-07	1.29E-07	5.88E-08	5.15E-08	0.00E+00	0.00E+00	2.13E-08	4.82E-09	3.06E-08	4.72E-09	3.99E-09	6.55E-08
2806	490660.04	3859560.04	1.91E-04	2.34E-04	2.06E-04	6.63E-08	2.00E-07	1.16E-07	1.42E-07	1.29E-07	5.87E-08	5.15E-08	0.00E+00	0.00E+00	2.13E-08	4.81E-09	3.06E-08	4.71E-09	3.98E-09	6.54E-08
2807	490710.04	3859560.04	1.91E-04	2.34E-04	2.05E-04	6.61E-08	2.00E-07	1.16E-07	1.42E-07	1.28E-07	5.86E-08	5.14E-08	0.00E+00	0.00E+00	2.13E-08	4.81E-09	3.05E-08	4.70E-09	3.98E-09	6.52E-08
2808	490760.04	3859560.04	1.91E-04	2.33E-04	2.05E-04	6.60E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.84E-08	5.12E-08	0.00E+00	0.00E+00	2.12E-08	4.79E-09	3.04E-08	4.69E-09	3.97E-09	6.51E-08
2809	490810.04	3859560.04	1.90E-04	2.33E-04	2.04E-04	6.58E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.83E-08	5.11E-08	0.00E+00	0.00E+00	2.12E-08	4.78E-09	3.03E-08	4.68E-09	3.96E-09	6.49E-08
2810	490860.04	3859560.04	1.90E-04	2.32E-04	2.04E-04	6.56E-08	1.98E-07	1.15E-07	1.40E-07	1.27E-07	5.81E-08	5.10E-08	0.00E+00	0.00E+00	2.11E-08	4.77E-09	3.03E-08	4.67E-09	3.95E-09	6.47E-08
2811	490187.25	3859422.08	2.21E-04	2.71E-04	2.37E-04	7.65E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.77E-08	5.94E-08	0.00E+00	0.00E+00	2.46E-08	5.56E-09	3.53E-08	5.44E-09	4.60E-09	7.55E-08
2812	490237.25	3859422.08	2.21E-04	2.70E-04	2.37E-04	7.64E-08	2.31E-07	1.33E-07	1.63E-07	1.48E-07	6.76E-08	5.93E-08	0.00E+00	0.00E+00	2.46E-08	5.55E-09	3.52E-08	5.43E-09	4.59E-09	7.53E-08
2813	490287.25	3859422.08	2.20E-04	2.70E-04	2.37E-04	7.62E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.75E-08	5.92E-08	0.00E+00	0.00E+00	2.45E-08	5.54E-09	3.51E-08	5.42E-09	4.58E-09	7.52E-08
2814	490337.25	3859422.08	2.19E-04	2.69E-04	2.36E-04	7.60E-08	2.29E-07	1.33E-07	1.63E-07	1.47E-07	6.73E-08	5.90E-08	0.00E+00	0.00E+00	2.44E-08	5.52E-09	3.50E-08	5.40E-09	4.57E-09	7.50E-08
2815	490187.25	3859472.08	2.10E-04	2.57E-04	2.26E-04	7.27E-08	2.19E-07	1.27E-07	1.56E-07	1.41E-07	6.44E-08	5.65E-08	0.00E+00	0.00E+00	2.34E-08	5.28E-09	3.35E-08	5.17E-09	4.37E-09	7.17E-08
2816	490237.25	3859472.08	2.10E-04	2.57E-04	2.25E-04	7.26E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.43E-08	5.64E-08	0.00E+00	0.00E+00	2.33E-08	5.28E-09	3.35E-08	5.16E-09	4.37E-09	7.16E-08
2817	490287.25	3859472.08	2.10E-04	2.57E-04	2.25E-04	7.25E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.42E-08	5.64E-08	0.00E+00	0.00E+00	2.33E-08	5.27E-09	3.35E-08	5.16E-09	4.37E-09	7.16E-08
2818	490337.25	3859472.08	2.09E-04	2.56E-04	2.25E-04	7.24E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.42E-08	5.63E-08	0.00E+00	0.00E+00	2.33E-08	5.26E-09	3.34E-08	5.15E-09	4.36E-09	7.15E-08
2819	490297.07	3859500.42	2.04E-04	2.50E-04	2.19E-04	7.05E-08	2.13E-07	1.23E-07	1.51E-07	1.37E-07	6.24E-08	5.48E-08	0.00E+00	0.00E+00	2.27E-08	5.12E-09	3.25E-08	5.01E-09	4.24E-09	6.96E-08
2820	490327.07	3859500.42	2.03E-04	2.49E-04	2.19E-04	7.04E-08	2.13E-07	1.23E-07	1.51E-07	1.37E-07	6.24E-08	5.47E-08	0.00E+00	0.00E+00	2.26E-08	5.12E-09	3.25E-08	5.01E-09	4.24E-09	6.95E-08
2821	490297.07	3859530.42	1.98E-04	2.42E-04	2.13E-04	6.85E-08	2.07E-07	1.20E-07	1.47E-07	1.33E-07	6.06E-08	5.32E-08	0.00E+00	0.00E+00	2.20E-08	4.98E-09	3.16E-08	4.87E-09	4.12E-09	6.75E-08
2822	490327.07	3859530.42	1.98E-04	2.42E-04	2.12E-04	6.84E-08	2.07E-07	1.20E-07	1.47E-07	1.33E-07	6.06E-08	5.32E-08	0.00E+00	0.00E+00	2.20E-08	4.97E-09	3.16E-08	4.87E-09	4.12E-09	6.75E-08
2823	490319.73	3859055.34	3.18E-04	3.90E-04	3.42E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.75E-08	8.56E-08	0.00E+00	0.00E+00	3.54E-08	8.00E-09	5.08E-08	7.83E-09	6.63E-09	1.09E-07
2824	490319.73	3859105.34	3.02E-04	3.70E-04	3.25E-04	1.05E-07	3.16E-07	1.83E-07	2.24E-07	2.03E-07	9.26E-08	8.13E-08	0.00E+00	0.00E+00	3.36E-08	7.60E-09	4.82E-08	7.44E-09	6.29E-09	1.03E-07
2825	490069.73	3859155.34	3.00E-04	3.67E-04	3.22E-04	1.04E-07	3.13E-07	1.81E-07	2.22E-07	2.01E-07	9.19E-08	8.07E-08	0.00E+00	0.00E+00	3.34E-08	7.54E-09	4.79E-08	7.38E-09	6.25E-09	1.02E-07
2826	490119.73	3859155.34	2.97E-04	3.64E-04	3.20E-04	1.03E-07	3.11E-07	1.80E-07	2.20E-07	2.00E-07	9.11E-08	8.00E-08	0.00E+00	0.00E+00	3.31E-08	7.48E-09	4.75E-08	7.32E-09	6.19E-09	1.02E-07
2827	490269.73	3859155.34	2.90E-04	3.55E-04	3.12E-04	1.00E-07	3.03E-07	1.75E-07	2.15E-07	1.95E-07	8.89E-08	7.80E-08	0.00E+00	0.00E+00	3.23E-08	7.29E-09	4.63E-08	7.14E-09	6.04E-09	9.90E-08
2828	490319.73	3859155.34	2.87E-04	3.52E-04	3.09E-04	9.94E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.80E-08	7.72E-08	0.00E+00	0.00E+00	3.20E-08	7.22E-09	4.58E-08	7.07E-09	5.98E-09	9.80E-08
2829	490069.73	3859205.34	2.83E-04	3.46E-04	3.04E-04	9.79E-08	2.95E-07	1.71E-07	2.10E-07	1.90E-07	8.67E-08	7.61E-08	0.00E+00	0.00E+00	3.15E-08	7.11E-09	4.51E-08	6.96E-09	5.89E-09	9.66E-08
2830	490119.73	3859205.34	2.81E-04	3.44E-04	3.02E-04	9.71E-08	2.93E-07	1.70E-07	2.08E-07	1.89E-07	8.60E-08	7.55E-08	0.00E+00	0.00E+00	3.12E-08	7.06E-09	4.48E-08	6.91E-09	5.85E-09	9.58E-08
2831	490169.73	3859205.34	2.79E-04	3.41E-04	3.00E-04	9.65E-08	2.91E-07	1.69E-07	2.07E-07	1.87E-07	8.54E-08	7.50E-08	0.00E+00	0.00E+00	3.10E-08	7.01E-09	4.45E-08	6.86E-09	5.81E-09	9.52E-08
2832	490219.73	3859205.34	2.77E-04	3.39E-04	2.97E-04	9.58E-08	2.89E-07	1.67E-07	2.05E-07	1.86E-07	8.48E-08	7.44E-08	0.00E+00	0.00E+00	3.08E-08	6.96E-09	4.42E-08	6.81E-09	5.76E-09	9.45E-08
2833	490269.73	3859205.34	2.74E-04	3.36E-04	2.95E-04	9.50E-08	2.87E-07	1.66E-07	2.03E-07	1.84E-07	8.41E-08	7.38E-08	0.00E+00	0.00E+00	3.05E-08	6.90E-09	4.38E-08	6.76E-09	5.72E-09	9.37E-08
2834	490319.73	3859205.34	2.72E-04	3.34E-04	2.93E-04	9.43E-08	2.85E-07	1.65E-07	2.02E-07	1.83E-07	8.35E-08	7.32E-08	0.00E+00	0.00E+00	3.03E-08	6.85E-09	4.35E-08	6.70E-09	5.67E-09	9.30E-08
2835	490069.73	3859255.34	2.67E-04	3.27E-04	2.87E-04	9.24E-08	2.79E-07	1.62E-07	1.98E-07	1.79E-07	8.18E-08	7.18E-08	0.00E+00	0.00E+00	2.97E-08	6.72E-09	4.26E-08	6.57E-09	5.56E-09	9.12E-08

2836	490119.73	3859255.34	2.65E-04	3.25E-04	2.85E-04	9.18E-08	2.77E-07	1.61E-07	1.97E-07	1.78E-07	8.13E-08	7.14E-08	0.00E+00	0.00E+00	2.95E-08	6.67E-09	4.23E-08	6.53E-09	5.53E-09	9.06E-08
2837	490169.73	3859255.34	2.64E-04	3.23E-04	2.83E-04	9.13E-08	2.76E-07	1.60E-07	1.95E-07	1.77E-07	8.08E-08	7.09E-08	0.00E+00	0.00E+00	2.93E-08	6.63E-09	4.21E-08	6.49E-09	5.49E-09	9.00E-08
2838	490219.73	3859255.34	2.62E-04	3.21E-04	2.82E-04	9.07E-08	2.74E-07	1.59E-07	1.94E-07	1.76E-07	8.03E-08	7.05E-08	0.00E+00	0.00E+00	2.92E-08	6.59E-09	4.18E-08	6.45E-09	5.46E-09	8.95E-08
2839	490269.73	3859255.34	2.60E-04	3.19E-04	2.80E-04	9.01E-08	2.72E-07	1.58E-07	1.93E-07	1.75E-07	7.98E-08	7.00E-08	0.00E+00	0.00E+00	2.90E-08	6.55E-09	4.16E-08	6.41E-09	5.42E-09	8.89E-08
2840	490319.73	3859255.34	2.59E-04	3.17E-04	2.78E-04	8.95E-08	2.70E-07	1.57E-07	1.92E-07	1.74E-07	7.93E-08	6.96E-08	0.00E+00	0.00E+00	2.88E-08	6.51E-09	4.13E-08	6.37E-09	5.39E-09	8.84E-08
2841	490069.73	3859305.34	2.53E-04	3.09E-04	2.72E-04	8.75E-08	2.64E-07	1.53E-07	1.87E-07	1.70E-07	7.74E-08	6.80E-08	0.00E+00	0.00E+00	2.81E-08	6.36E-09	4.03E-08	6.22E-09	5.26E-09	8.63E-08
2842	490119.73	3859305.34	2.51E-04	3.08E-04	2.70E-04	8.70E-08	2.63E-07	1.52E-07	1.86E-07	1.69E-07	7.70E-08	6.76E-08	0.00E+00	0.00E+00	2.80E-08	6.32E-09	4.01E-08	6.18E-09	5.23E-09	8.58E-08
2843	490169.73	3859305.34	2.50E-04	3.06E-04	2.69E-04	8.65E-08	2.61E-07	1.51E-07	1.85E-07	1.68E-07	7.66E-08	6.72E-08	0.00E+00	0.00E+00	2.78E-08	6.29E-09	3.99E-08	6.15E-09	5.21E-09	8.53E-08
2844	490219.73	3859305.34	2.49E-04	3.05E-04	2.67E-04	8.61E-08	2.60E-07	1.50E-07	1.84E-07	1.67E-07	7.62E-08	6.69E-08	0.00E+00	0.00E+00	2.77E-08	6.25E-09	3.97E-08	6.12E-09	5.18E-09	8.49E-08
2845	490269.73	3859305.34	2.47E-04	3.03E-04	2.66E-04	8.56E-08	2.59E-07	1.50E-07	1.83E-07	1.66E-07	7.58E-08	6.65E-08	0.00E+00	0.00E+00	2.75E-08	6.22E-09	3.95E-08	6.09E-09	5.15E-09	8.45E-08
2846	490319.73	3859305.34	2.46E-04	3.01E-04	2.64E-04	8.51E-08	2.57E-07	1.49E-07	1.82E-07	1.65E-07	7.54E-08	6.62E-08	0.00E+00	0.00E+00	2.74E-08	6.19E-09	3.93E-08	6.06E-09	5.12E-09	8.40E-08
2847	490069.73	3859355.34	2.39E-04	2.93E-04	2.57E-04	8.27E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.32E-08	6.43E-08	0.00E+00	0.00E+00	2.66E-08	6.01E-09	3.81E-08	5.88E-09	4.98E-09	8.16E-08
2848	490119.73	3859355.34	2.38E-04	2.91E-04	2.56E-04	8.23E-08	2.49E-07	1.44E-07	1.76E-07	1.60E-07	7.29E-08	6.40E-08	0.00E+00	0.00E+00	2.65E-08	5.98E-09	3.80E-08	5.85E-09	4.95E-09	8.12E-08
2849	490169.73	3859355.34	2.37E-04	2.90E-04	2.55E-04	8.20E-08	2.48E-07	1.43E-07	1.76E-07	1.59E-07	7.27E-08	6.38E-08	0.00E+00	0.00E+00	2.64E-08	5.96E-09	3.78E-08	5.83E-09	4.94E-09	8.10E-08
2850	490219.73	3859355.34	2.36E-04	2.89E-04	2.54E-04	8.18E-08	2.47E-07	1.43E-07	1.75E-07	1.59E-07	7.24E-08	6.35E-08	0.00E+00	0.00E+00	2.63E-08	5.94E-09	3.77E-08	5.81E-09	4.92E-09	8.07E-08
2851	490269.73	3859355.34	2.35E-04	2.88E-04	2.53E-04	8.14E-08	2.46E-07	1.42E-07	1.74E-07	1.58E-07	7.21E-08	6.33E-08	0.00E+00	0.00E+00	2.62E-08	5.92E-09	3.75E-08	5.79E-09	4.90E-09	8.03E-08
2852	490319.73	3859355.34	2.34E-04	2.87E-04	2.52E-04	8.11E-08	2.45E-07	1.42E-07	1.74E-07	1.57E-07	7.18E-08	6.30E-08	0.00E+00	0.00E+00	2.61E-08	5.89E-09	3.74E-08	5.77E-09	4.88E-09	8.00E-08
2853	490069.73	3859405.34	2.26E-04	2.77E-04	2.43E-04	7.83E-08	2.36E-07	1.37E-07	1.68E-07	1.52E-07	6.93E-08	6.08E-08	0.00E+00	0.00E+00	2.52E-08	5.69E-09	3.61E-08	5.57E-09	4.71E-09	7.73E-08
2854	490119.73	3859405.34	2.25E-04	2.76E-04	2.42E-04	7.81E-08	2.36E-07	1.36E-07	1.67E-07	1.51E-07	6.91E-08	6.07E-08	0.00E+00	0.00E+00	2.51E-08	5.67E-09	3.60E-08	5.55E-09	4.70E-09	7.70E-08
2855	490169.73	3859405.34	2.25E-04	2.76E-04	2.42E-04	7.79E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.90E-08	6.05E-08	0.00E+00	0.00E+00	2.50E-08	5.66E-09	3.59E-08	5.54E-09	4.69E-09	7.68E-08
2856	490219.73	3859405.34	2.24E-04	2.75E-04	2.41E-04	7.77E-08	2.35E-07	1.36E-07	1.66E-07	1.51E-07	6.88E-08	6.04E-08	0.00E+00	0.00E+00	2.50E-08	5.65E-09	3.58E-08	5.53E-09	4.68E-09	7.67E-08
2857	490269.73	3859405.34	2.24E-04	2.74E-04	2.41E-04	7.75E-08	2.34E-07	1.36E-07	1.66E-07	1.50E-07	6.87E-08	6.02E-08	0.00E+00	0.00E+00	2.49E-08	5.63E-09	3.58E-08	5.51E-09	4.67E-09	7.65E-08
2858	490319.73	3859405.34	2.23E-04	2.73E-04	2.40E-04	7.73E-08	2.33E-07	1.35E-07	1.65E-07	1.50E-07	6.84E-08	6.00E-08	0.00E+00	0.00E+00	2.48E-08	5.62E-09	3.56E-08	5.50E-09	4.65E-09	7.62E-08
2859	490161.89	3859541.83	1.96E-04	2.40E-04	2.11E-04	6.78E-08	2.05E-07	1.19E-07	1.45E-07	1.32E-07	6.01E-08	5.27E-08	0.00E+00	0.00E+00	2.18E-08	4.93E-09	3.13E-08	4.82E-09	4.08E-09	6.69E-08
2860	490171.89	3859541.83	1.96E-04	2.40E-04	2.11E-04	6.78E-08	2.05E-07	1.19E-07	1.45E-07	1.32E-07	6.01E-08	5.27E-08	0.00E+00	0.00E+00	2.18E-08	4.93E-09	3.13E-08	4.82E-09	4.08E-09	6.69E-08
2861	490161.89	3859551.83	1.94E-04	2.38E-04	2.08E-04	6.72E-08	2.03E-07	1.17E-07	1.44E-07	1.30E-07	5.95E-08	5.22E-08	0.00E+00	0.00E+00	2.16E-08	4.88E-09	3.10E-08	4.78E-09	4.04E-09	6.63E-08
2862	490171.89	3859551.83	1.94E-04	2.38E-04	2.08E-04	6.71E-08	2.03E-07	1.17E-07	1.44E-07	1.30E-07	5.95E-08	5.22E-08	0.00E+00	0.00E+00	2.16E-08	4.88E-09	3.10E-08	4.77E-09	4.04E-09	6.63E-08
2863	489799.72	3859348.21	2.45E-04	3.00E-04	2.64E-04	8.48E-08	2.56E-07	1.48E-07	1.82E-07	1.65E-07	7.51E-08	6.59E-08	0.00E+00	0.00E+00	2.73E-08	6.17E-09	3.91E-08	6.03E-09	5.11E-09	8.37E-08
2864	489819.72	3859348.21	2.45E-04	3.00E-04	2.63E-04	8.48E-08	2.56E-07	1.48E-07	1.82E-07	1.65E-07	7.51E-08	6.59E-08	0.00E+00	0.00E+00	2.73E-08	6.16E-09	3.91E-08	6.03E-09	5.10E-09	8.37E-08
2865	489799.72	3859368.21	2.39E-04	2.93E-04	2.57E-04	8.28E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.43E-08	0.00E+00	0.00E+00	2.66E-08	6.01E-09	3.82E-08	5.88E-09	4.98E-09	8.16E-08
2866	489819.72	3859368.21	2.39E-04	2.93E-04	2.57E-04	8.27E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.33E-08	6.43E-08	0.00E+00	0.00E+00	2.66E-08	6.01E-09	3.81E-08	5.88E-09	4.98E-09	8.16E-08
2867	489775.41	3859329.72	2.51E-04	3.08E-04	2.70E-04	8.69E-08	2.62E-07	1.52E-07	1.86E-07	1.69E-07	7.70E-08	6.76E-08	0.00E+00	0.00E+00	2.80E-08	6.32E-09	4.01E-08	6.18E-09	5.23E-09	8.58E-08
2868	489795.41	3859329.72	2.51E-04	3.07E-04	2.70E-04	8.68E-08	2.62E-07	1.52E-07	1.86E-07	1.69E-07	7.69E-08	6.75E-08	0.00E+00	0.00E+00	2.79E-08	6.31E-09	4.00E-08	6.18E-09	5.23E-09	8.57E-08
2869	489775.41	3859349.72	2.45E-04	3.00E-04	2.63E-04	8.47E-08	2.56E-07	1.48E-07	1.81E-07	1.64E-07	7.50E-08	6.59E-08	0.00E+00	0.00E+00	2.72E-08	6.16E-09	3.91E-08	6.03E-09	5.10E-09	8.36E-08
2870	489795.41	3859349.72	2.45E-04	3.00E-04	2.63E-04	8.47E-08	2.56E-07	1.48E-07	1.81E-07	1.64E-07	7.50E-08	6.58E-08	0.00E+00	0.00E+00	2.72E-08	6.16E-09	3.91E-08	6.02E-09	5.10E-09	8.36E-08
2871	489595.05	3859219.43	2.97E-04	3.63E-04	3.19E-04	1.03E-07	3.10E-07	1.79E-07	2.20E-07	1.99E-07	9.09E-08	7.98E-08	0.00E+00	0.00E+00	3.30E-08	7.46E-09	4.73E-08	7.30E-09	6.18E-09	1.01E-07
2872	489615.05	3859219.43	2.96E-04	3.63E-04	3.19E-04	1.03E-07	3.10E-07	1.79E-07	2.20E-07	1.99E-07	9.08E-08	7.97E-08	0.00E+00	0.00E+00	3.30E-08	7.45E-09	4.73E-08	7.29E-09	6.17E-09	1.01E-07
2873	489595.05	3859239.43	2.87E-04	3.52E-04	3.09E-04	9.95E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.81E-08	7.74E-08	0.00E+00	0.00E+00	3.20E-08	7.23E-09	4.59E-08	7.07E-09	5.99E-09	9.82E-08
2874	489615.05	3859239.43	2.87E-04	3.52E-04	3.09E-04	9.94E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.80E-08	7.73E-08	0.00E+00	0.00E+00	3.20E-08	7.22E-09	4.58E-08	7.07E-09	5.98E-09	9.81E-08
2875	489372.4	3859092.58	3.87E-04	4.74E-04	4.16E-04	1.34E-07	4.04E-07	2.34E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	0.00E+00	0.00E+00	4.31E-08	9.73E-09	6.18E-08	9.52E-09	8.07E-09	1.32E-07
2876	489422.4	3859092.58	3.83E-04	4.69E-04	4.12E-04	1.33E-07	4.00E-07	2.32E-07	2.84E-07	2.57E-07	1.17E-07	1.03E-07	0.00E+00	0.00E+00	4.26E-08	9.63E-09	6.11E-08	9.42E-09	7.98E-09	1.31E-07
2877	489372.4	3859142.58	3.46E-04	4.24E-04	3.72E-04	1.20E-07	3.62E-07	2.09E-07	2.57E-07	2.33E-07	1.06E-07	9.32E-08	0.00E+00	0.00E+00	3.85E-08	8.71E-09	5.53E-08	8.52E-09	7.22E-09	1.18E-07
2878	489422.4	3859142.58	3.45E-04	4.23E-04	3.71E-04	1.19E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.29E-08	0.00E+00	0.00E+00	3.84E-08	8.68E-09	5.51E-08	8.49E-09	7.19E-09	1.18E-07
2879	488870.84	3858666.64	1.49E-03	1.82E-03	1.61E-03	5.15E-07	1.56E-06	9.00E-07	1.10E-06	1.00E-06	4.56E-07	4.02E-07	0.00E+00	0.00E+00	1.66E-07	3.74E-08	2.38E-07	3.66E-08	3.11E-08	5.09E-07
2880	488900.84	3858666.64	1.40E-03	1.71E-03	1.51E-03	4.84E-07	1.46E-06	8.46E-07	1.04E-06	9.40E-07	4.29E-07	3.78E-07	0.00E+00	0.00E+00	1.56E-07	3.52E-08	2.23E-07	3.44E-08	2.92E-08	4.78E-07
2881	488870.84	3858696.64	1.61E-03	1.98E-03	1.74E-03	5.58E-07	1.69E-06	9.76E-07	1.20E-06	1.08E-06	4.95E-07	4.36E-07	0.00E+00	0.00E+00	1.80E-07	4.06E-08	2.58E-07	3.97E-08	3.37E-08	5.51E-07
2882	488900.84	3858696.64	1.50E-03	1.84E-03	1.62E-03	5.20E-07	1.57E-06	9.09E-07	1.11E-06	1.01E-06	4.61E-07	4.06E-07	0.00E+00	0.00E+00	1.67E-07	3.78E-08	2.40E-07	3.70E-08	3.14E-08	5.13E-07
2883	488889.67	3858683.97	1.49E-03	1.83E-03	1.61E-03	5.16E-07	1.56E-06	9.02E-07	1.11E-06	1.00E-06	4.57E-07	4.03E-07	0.00E+00	0.00E+00	1.66E-07	3.75E-08	2.38E-07	3.67E-08	3.12E-08	5.10E-07
2884	488919.67	3858683.97	1.40E-03	1.72E-03	1.51E-03	4.85E-07	1.46E-06	8.47E-07	1.04E-06	9.41E-07	4.29E-07	3.78E-07	0.00E+00	0.00E+00	1.56E-07	3.52E-08	2.24E-07	3.45E-08	2.93E-08	4.78E-07
2885	488889.67	3858713.97	1.62E-03	1.98E-03	1.75E-03	5.60E-07	1.69E-06	9.79E-07	1.20E-06	1.09E-06	4.96E-07	4.37E-07	0.00E+00	0.00E+00	1.80E-07	4.07E-08	2.58E-07	3.98E-08	3.38E-08	5.53E-07
2886	488919.67	3858713.97	1.50E-03	1.84E-03	1.62E-03	5.21E-07	1.57E-06	9.10E-07	1.11E-06	1.01E-06	4.61E-07	4.06E-07	0.00E+00	0.00E+00	1.67E-07	3.78E-08	2.40E-07	3.70E-08	3.14E-08	5.14E-07
2887	488906.61	3858703.33	1.51E-03	1.85E-03	1.63E-03	5.22E-07	1.58E-06	9.13E-07	1.12E-06	1.01E-06	4.63E-07	4.07E-07	0.00E+00	0.00E+00	1.68E-07	3.80E-08	2.41E-07	3.71E-08	3.15E-08	5.15E-07
2888	488936.61	3858703.33	1.41E-03	1.73E-03	1.52E-03	4.89E-07	1.48E-06	8.54E-07	1.05E-06	9.49E-07	4.33E-07	3.81E-07	0.00E+00	0.00E+00	1.57E-07	3.55E-08	2.25E-07	3.48E-08	2.95E-08	4.82E-07
2889	488906.61	3858733.33	1.64E-03	2.01E-03	1.77E-03	5.67E-07	1.71E-06	9.90E-07	1.21E-06	1.10E-06	5.02E-07	4.42E-07	0.00E+00	0.00E+00	1.82E-07	4.12E-08	2.61E-07	4.03E-08	3.42E-08	5.59E-07
2890	488936.61	3858733.33	1.52E-03	1.86E-03	1.64E-03	5.25E-07	1.59E-06	9.18E-07	1.13E-06	1.02E-06	4.65E-07	4.10E-07	0.00E+00	0.00E+00	1.69E-07	3.82E-08	2.42E-07	3.74E-08	3.17E-08	5.19E-07
2891	488637.63	3858467.85	1.48E-03	1.82E-03	1.60E-03	5.14E-07	1.55E-06	8.98E-07	1.10E-06	9.97E-07	4.55E-07	4.01E-07	0.00E+00	0.00E+00	1.65E-07	3.73E-08	2.37E-07	3.65E-08	3.10E-08	5.07E-07
2892	488662.63	3858467.85	1.42E-03	1.74E-03	1.53E-03	4.92E-07	1.49E-06	8.60E-07	1.05E-06	9.55E-07	4.36E-07	3.83E-07	0.00E+00	0.00E+00	1.58E-07	3.58E-08	2.27E-07	3.50E-08	2.97E-08	4.85E-07
2893	488637.63	3858492.85	1.57E-03	1.93E-03	1.70E-03	5.45E-07	1.64E-06	9.52E-07	1.17E-06	1.06E-06	4.82E-07	4.25E-07	0.00E+00	0.00E+00	1.75E-07	3.96E-08	2.51E-07	3.87E-08	3.29E-08	5.38E-07

2894	488662.63	3858492.85	1.50E-03	1.84E-03	1.62E-03	5.19E-07	1.57E-06	9.07E-07	1.11E-06	1.01E-06	4.59E-07	4.04E-07	0.00E+00	0.00E+00	1.67E-07	3.77E-08	2.39E-07	3.69E-08	3.13E-08	5.12E-07
2895	488687.63	3858492.85	1.43E-03	1.75E-03	1.54E-03	4.96E-07	1.50E-06	8.66E-07	1.06E-06	9.62E-07	4.39E-07	3.86E-07	0.00E+00	0.00E+00	1.59E-07	3.60E-08	2.29E-07	3.52E-08	2.99E-08	4.89E-07
2896	488637.63	3858517.85	1.68E-03	2.06E-03	1.81E-03	5.82E-07	1.76E-06	1.02E-06	1.25E-06	1.13E-06	5.16E-07	4.54E-07	0.00E+00	0.00E+00	1.87E-07	4.23E-08	2.69E-07	4.14E-08	3.52E-08	5.75E-07
2897	488662.63	3858517.85	1.59E-03	1.95E-03	1.72E-03	5.51E-07	1.66E-06	9.63E-07	1.18E-06	1.07E-06	4.88E-07	4.30E-07	0.00E+00	0.00E+00	1.77E-07	4.01E-08	2.54E-07	3.92E-08	3.33E-08	5.44E-07
2898	488687.63	3858517.85	1.51E-03	1.85E-03	1.63E-03	5.24E-07	1.58E-06	9.16E-07	1.12E-06	1.02E-06	4.64E-07	4.09E-07	0.00E+00	0.00E+00	1.68E-07	3.81E-08	2.42E-07	3.73E-08	3.16E-08	5.17E-07
2899	488194.42	3857168.98	1.70E-03	2.09E-03	1.81E-03	5.90E-07	1.78E-06	1.03E-06	1.26E-06	1.14E-06	5.22E-07	4.54E-07	0.00E+00	0.00E+00	1.90E-07	4.29E-08	2.72E-07	4.19E-08	3.51E-08	5.82E-07
2900	488244.42	3857168.98	1.64E-03	2.01E-03	1.75E-03	5.69E-07	1.72E-06	9.94E-07	1.22E-06	1.10E-06	5.04E-07	4.38E-07	0.00E+00	0.00E+00	1.83E-07	4.13E-08	2.62E-07	4.04E-08	3.39E-08	5.61E-07
2901	488294.42	3857168.98	1.59E-03	1.95E-03	1.69E-03	5.50E-07	1.66E-06	9.61E-07	1.18E-06	1.07E-06	4.87E-07	4.23E-07	0.00E+00	0.00E+00	1.77E-07	4.00E-08	2.54E-07	3.91E-08	3.28E-08	5.42E-07
2902	488244.42	3857218.98	1.67E-03	2.04E-03	1.77E-03	5.77E-07	1.74E-06	1.01E-06	1.24E-06	1.12E-06	5.11E-07	4.44E-07	0.00E+00	0.00E+00	1.86E-07	4.19E-08	2.66E-07	4.10E-08	3.44E-08	5.69E-07
2903	488294.42	3857218.98	1.61E-03	1.97E-03	1.71E-03	5.57E-07	1.68E-06	9.74E-07	1.19E-06	1.08E-06	4.93E-07	4.29E-07	0.00E+00	0.00E+00	1.79E-07	4.05E-08	2.57E-07	3.96E-08	3.32E-08	5.49E-07
2904	488294.42	3857268.98	1.63E-03	1.99E-03	1.73E-03	5.64E-07	1.70E-06	9.85E-07	1.21E-06	1.09E-06	4.99E-07	4.34E-07	0.00E+00	0.00E+00	1.81E-07	4.10E-08	2.60E-07	4.01E-08	3.36E-08	5.56E-07
2905	488139.13	3857111.68	1.74E-03	2.13E-03	1.85E-03	6.02E-07	1.82E-06	1.05E-06	1.29E-06	1.17E-06	5.33E-07	4.63E-07	0.00E+00	0.00E+00	1.93E-07	4.37E-08	2.77E-07	4.28E-08	3.59E-08	5.93E-07
2906	488189.13	3857111.68	1.68E-03	2.05E-03	1.79E-03	5.80E-07	1.75E-06	1.01E-06	1.24E-06	1.13E-06	5.14E-07	4.47E-07	0.00E+00	0.00E+00	1.87E-07	4.22E-08	2.67E-07	4.12E-08	3.46E-08	5.72E-07
2907	488189.13	3857161.68	1.71E-03	2.09E-03	1.82E-03	5.91E-07	1.78E-06	1.03E-06	1.26E-06	1.15E-06	5.23E-07	4.55E-07	0.00E+00	0.00E+00	1.90E-07	4.29E-08	2.72E-07	4.20E-08	3.52E-08	5.82E-07
2908	487951.04	3856961.26	1.88E-03	2.30E-03	2.01E-03	6.51E-07	1.96E-06	1.14E-06	1.39E-06	1.26E-06	5.76E-07	5.03E-07	0.00E+00	0.00E+00	2.09E-07	4.73E-08	3.00E-07	4.63E-08	3.90E-08	6.42E-07
2909	488001.04	3856961.26	1.81E-03	2.22E-03	1.94E-03	6.28E-07	1.90E-06	1.10E-06	1.34E-06	1.22E-06	5.56E-07	4.86E-07	0.00E+00	0.00E+00	2.02E-07	4.56E-08	2.90E-07	4.47E-08	3.76E-08	6.20E-07
2910	488051.04	3856961.26	1.76E-03	2.15E-03	1.88E-03	6.08E-07	1.84E-06	1.06E-06	1.30E-06	1.18E-06	5.39E-07	4.71E-07	0.00E+00	0.00E+00	1.96E-07	4.42E-08	2.80E-07	4.33E-08	3.64E-08	6.00E-07
2911	488101.04	3856961.26	1.70E-03	2.08E-03	1.81E-03	5.87E-07	1.77E-06	1.03E-06	1.26E-06	1.14E-06	5.20E-07	4.54E-07	0.00E+00	0.00E+00	1.89E-07	4.26E-08	2.71E-07	4.17E-08	3.51E-08	5.79E-07
2912	487951.04	3857011.26	1.91E-03	2.34E-03	2.04E-03	6.60E-07	1.99E-06	1.15E-06	1.41E-06	1.28E-06	5.85E-07	5.10E-07	0.00E+00	0.00E+00	2.12E-07	4.80E-08	3.05E-07	4.70E-08	3.95E-08	6.51E-07
2913	488001.04	3857011.26	1.85E-03	2.26E-03	1.97E-03	6.39E-07	1.93E-06	1.12E-06	1.37E-06	1.24E-06	5.66E-07	4.94E-07	0.00E+00	0.00E+00	2.05E-07	4.64E-08	2.95E-07	4.54E-08	3.82E-08	6.30E-07
2914	488051.04	3857011.26	1.79E-03	2.19E-03	1.91E-03	6.18E-07	1.87E-06	1.08E-06	1.32E-06	1.20E-06	5.48E-07	4.78E-07	0.00E+00	0.00E+00	1.99E-07	4.49E-08	2.85E-07	4.40E-08	3.70E-08	6.10E-07
2915	488101.04	3857011.26	1.72E-03	2.11E-03	1.84E-03	5.96E-07	1.80E-06	1.04E-06	1.28E-06	1.16E-06	5.28E-07	4.61E-07	0.00E+00	0.00E+00	1.92E-07	4.33E-08	2.75E-07	4.24E-08	3.57E-08	5.88E-07
2916	488001.04	3857061.26	1.88E-03	2.30E-03	2.00E-03	6.50E-07	1.96E-06	1.14E-06	1.39E-06	1.26E-06	5.76E-07	5.01E-07	0.00E+00	0.00E+00	2.09E-07	4.72E-08	3.00E-07	4.62E-08	3.88E-08	6.41E-07
2917	488051.04	3857061.26	1.81E-03	2.22E-03	1.93E-03	6.28E-07	1.90E-06	1.10E-06	1.34E-06	1.22E-06	5.56E-07	4.84E-07	0.00E+00	0.00E+00	2.02E-07	4.56E-08	2.89E-07	4.46E-08	3.75E-08	6.19E-07
2918	488101.04	3857061.26	1.75E-03	2.14E-03	1.87E-03	6.06E-07	1.83E-06	1.06E-06	1.30E-06	1.18E-06	5.37E-07	4.67E-07	0.00E+00	0.00E+00	1.95E-07	4.40E-08	2.79E-07	4.31E-08	3.62E-08	5.98E-07
2919	487638.98	3856673.79	2.10E-03	2.58E-03	2.27E-03	7.28E-07	2.20E-06	1.27E-06	1.56E-06	1.41E-06	6.44E-07	5.67E-07	0.00E+00	0.00E+00	2.34E-07	5.29E-08	3.36E-07	5.17E-08	4.39E-08	7.18E-07
2920	487688.98	3856673.79	2.03E-03	2.48E-03	2.18E-03	7.01E-07	2.12E-06	1.23E-06	1.50E-06	1.36E-06	6.21E-07	5.46E-07	0.00E+00	0.00E+00	2.25E-07	5.10E-08	3.23E-07	4.99E-08	4.23E-08	6.92E-07
2921	487638.98	3856723.79	2.17E-03	2.66E-03	2.34E-03	7.51E-07	2.27E-06	1.31E-06	1.61E-06	1.46E-06	6.65E-07	5.85E-07	0.00E+00	0.00E+00	2.41E-07	5.46E-08	3.46E-07	5.34E-08	4.53E-08	7.41E-07
2922	487688.98	3856723.79	2.09E-03	2.55E-03	2.25E-03	7.22E-07	2.18E-06	1.26E-06	1.55E-06	1.40E-06	6.39E-07	5.62E-07	0.00E+00	0.00E+00	2.32E-07	5.25E-08	3.33E-07	5.13E-08	4.35E-08	7.12E-07
2923	486324.61	3855740.57	2.25E-03	2.76E-03	2.42E-03	7.79E-07	2.35E-06	1.36E-06	1.67E-06	1.51E-06	6.90E-07	6.07E-07	0.00E+00	0.00E+00	2.50E-07	5.66E-08	3.59E-07	5.54E-08	4.70E-08	7.68E-07
2924	486374.61	3855740.57	2.10E-03	2.57E-03	2.26E-03	7.27E-07	2.20E-06	1.27E-06	1.56E-06	1.41E-06	6.44E-07	5.67E-07	0.00E+00	0.00E+00	2.34E-07	5.29E-08	3.35E-07	5.17E-08	4.39E-08	7.18E-07
2925	486424.61	3855740.57	2.01E-03	2.46E-03	2.17E-03	6.96E-07	2.10E-06	1.22E-06	1.49E-06	1.35E-06	6.16E-07	5.42E-07	0.00E+00	0.00E+00	2.24E-07	5.05E-08	3.21E-07	4.95E-08	4.20E-08	6.86E-07
2926	486324.61	3855790.57	2.36E-03	2.90E-03	2.55E-03	8.19E-07	2.47E-06	1.43E-06	1.75E-06	1.59E-06	7.25E-07	6.38E-07	0.00E+00	0.00E+00	2.63E-07	5.95E-08	3.77E-07	5.82E-08	4.94E-08	8.08E-07
2927	486374.61	3855790.57	2.21E-03	2.71E-03	2.38E-03	7.66E-07	2.31E-06	1.34E-06	1.64E-06	1.49E-06	6.78E-07	5.97E-07	0.00E+00	0.00E+00	2.46E-07	5.57E-08	3.53E-07	5.45E-08	4.62E-08	7.56E-07
2928	486424.61	3855790.57	2.13E-03	2.61E-03	2.30E-03	7.38E-07	2.23E-06	1.29E-06	1.58E-06	1.43E-06	6.53E-07	5.75E-07	0.00E+00	0.00E+00	2.37E-07	5.36E-08	3.40E-07	5.25E-08	4.45E-08	7.28E-07
2929	486324.61	3855840.57	2.49E-03	3.05E-03	2.68E-03	8.62E-07	2.60E-06	1.51E-06	1.84E-06	1.67E-06	7.63E-07	6.72E-07	0.00E+00	0.00E+00	2.77E-07	6.26E-08	3.97E-07	6.13E-08	5.20E-08	8.50E-07
2930	486374.61	3855840.57	2.38E-03	2.91E-03	2.57E-03	8.24E-07	2.49E-06	1.44E-06	1.76E-06	1.60E-06	7.30E-07	6.42E-07	0.00E+00	0.00E+00	2.65E-07	5.99E-08	3.80E-07	5.86E-08	4.97E-08	8.13E-07
2931	486424.61	3855840.57	2.27E-03	2.77E-03	2.44E-03	7.84E-07	2.37E-06	1.37E-06	1.68E-06	1.52E-06	6.94E-07	6.11E-07	0.00E+00	0.00E+00	2.52E-07	5.70E-08	3.62E-07	5.58E-08	4.73E-08	7.74E-07
2932	486324.61	3855890.57	2.69E-03	3.30E-03	2.90E-03	9.32E-07	2.81E-06	1.63E-06	1.99E-06	1.81E-06	8.25E-07	7.26E-07	0.00E+00	0.00E+00	3.00E-07	6.77E-08	4.30E-07	6.63E-08	5.62E-08	9.19E-07
2933	486374.61	3855890.57	2.56E-03	3.13E-03	2.76E-03	8.85E-07	2.67E-06	1.55E-06	1.89E-06	1.72E-06	7.84E-07	6.90E-07	0.00E+00	0.00E+00	2.85E-07	6.43E-08	4.08E-07	6.29E-08	5.34E-08	8.73E-07
2934	486424.61	3855890.57	2.42E-03	2.96E-03	2.61E-03	8.38E-07	2.53E-06	1.46E-06	1.79E-06	1.63E-06	7.42E-07	6.53E-07	0.00E+00	0.00E+00	2.69E-07	6.09E-08	3.86E-07	5.96E-08	5.06E-08	8.27E-07
2935	488735.69	3858285.64	1.06E-03	1.29E-03	1.14E-03	3.65E-07	1.10E-06	6.39E-07	7.82E-07	7.09E-07	3.24E-07	2.84E-07	0.00E+00	0.00E+00	1.17E-07	2.65E-08	1.68E-07	2.60E-08	2.20E-08	3.60E-07
2936	488765.69	3858285.64	1.03E-03	1.26E-03	1.11E-03	3.57E-07	1.08E-06	6.23E-07	7.64E-07	6.92E-07	3.16E-07	2.78E-07	0.00E+00	0.00E+00	1.15E-07	2.59E-08	1.64E-07	2.54E-08	2.15E-08	3.52E-07
2937	488735.69	3858315.64	1.08E-03	1.32E-03	1.16E-03	3.72E-07	1.12E-06	6.50E-07	7.97E-07	7.22E-07	3.30E-07	2.90E-07	0.00E+00	0.00E+00	1.20E-07	2.70E-08	1.72E-07	2.65E-08	2.24E-08	3.67E-07
2938	488765.69	3858315.64	1.05E-03	1.28E-03	1.13E-03	3.63E-07	1.09E-06	6.34E-07	7.76E-07	7.04E-07	3.21E-07	2.82E-07	0.00E+00	0.00E+00	1.17E-07	2.64E-08	1.67E-07	2.58E-08	2.19E-08	3.58E-07
2939	478676.63	3849871.93	2.61E-05	3.20E-05	2.81E-05	9.04E-09	2.73E-08	1.58E-08	1.94E-08	1.75E-08	8.01E-09	7.02E-09	0.00E+00	0.00E+00	2.91E-09	6.57E-10	4.17E-09	6.43E-10	5.44E-10	8.92E-09
2940	479326.63	3849871.93	3.21E-05	3.94E-05	3.45E-05	1.11E-08	3.36E-08	1.94E-08	2.38E-08	2.16E-08	9.85E-09	8.63E-09	0.00E+00	0.00E+00	3.58E-09	8.08E-10	5.13E-09	7.91E-10	6.69E-10	1.10E-08
2941	479376.63	3849871.93	3.24E-05	3.97E-05	3.48E-05	1.12E-08	3.39E-08	1.96E-08	2.40E-08	2.18E-08	9.95E-09	8.72E-09	0.00E+00	0.00E+00	3.61E-09	8.16E-10	5.18E-09	7.99E-10	6.75E-10	1.11E-08
2942	479426.63	3849871.93	3.28E-05	4.02E-05	3.52E-05	1.14E-08	3.43E-08	1.99E-08	2.43E-08	2.20E-08	1.01E-08	8.82E-09	0.00E+00	0.00E+00	3.65E-09	8.26E-10	5.24E-09	8.08E-10	6.83E-10	1.12E-08
2943	478726.63	3849921.93	2.66E-05	3.26E-05	2.86E-05	9.20E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.15E-09	7.15E-09	0.00E+00	0.00E+00	2.96E-09	6.69E-10	4.24E-09	6.55E-10	5.54E-10	9.08E-09
2944	478776.63	3849921.93	2.71E-05	3.32E-05	2.91E-05	9.37E-09	2.83E-08	1.64E-08	2.01E-08	1.82E-08	8.30E-09	7.28E-09	0.00E+00	0.00E+00	3.01E-09	6.81E-10	4.32E-09	6.66E-10	5.64E-10	9.24E-09
2945	478826.63	3849921.93	2.75E-05	3.37E-05	2.96E-05	9.54E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.45E-09	7.41E-09	0.00E+00	0.00E+00	3.07E-09	6.93E-10	4.40E-09	6.78E-10	5.74E-10	9.41E-09
2946	478976.63	3849921.93	2.90E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.90E-09	7.81E-09	0.00E+00	0.00E+00	3.23E-09	7.31E-10	4.64E-09	7.15E-10	6.05E-10	9.92E-09
2947	479026.63	3849921.93	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.12E-09	7.99E-09	0.00E+00	0.00E+00	3.31E-09	7.48E-10	4.75E-09	7.32E-10	6.19E-10	1.02E-08
2948	479076.63	3849921.93	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.17E-08	1.83E-08	2.25E-08	2.04E-08	9.29E-09	8.14E-09	0.00E+00	0.00E+00	3.37E-09	7.62E-10	4.84E-09	7.46E-10	6.31E-10	1.03E-08
2949	479126.63	3849921.93	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.45E-09	8.29E-09	0.00E+00	0.00E+00	3.43E-09	7.75E-10	4.92E-09	7.59E-10	6.42E-10	1.05E-08
2950	479176.63	3849921.93	3.14E-05	3.85E-05	3.37E-05	1.09E-08	3.28E-08	1.90E-08	2.33E-08	2.11E-08	9.63E-09	8.45E-09	0.00E+00	0.00E+00	3.50E-09	7.90E-10	5.01E-09	7.73E-10	6.54E-10	1.07E-08
2951	479226.63	3849921.93	3.17E-05	3.89E-05	3.41E-05	1.10E-08	3.32E-08	1.92E-08	2.35E-08	2.13E-08	9.73E-09	8.53E-09	0.00E+00	0.00E+00	3.53E-09	7.98E-10	5.06E-09	7.81E-10	6.60E-10	1.08E-08

2952	479276.63	3849921.93	3.17E-05	3.89E-05	3.41E-05	1.10E-08	3.32E-08	1.92E-08	2.35E-08	2.13E-08	9.73E-09	8.53E-09	0.00E+00	0.00E+00	3.53E-09	7.99E-10	5.07E-09	7.81E-10	6.61E-10	1.08E-08
2953	479326.63	3849921.93	3.27E-05	4.01E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.42E-08	2.20E-08	1.00E-08	8.79E-09	0.00E+00	0.00E+00	3.64E-09	8.23E-10	5.22E-09	8.05E-10	6.81E-10	1.12E-08
2954	479376.63	3849921.93	3.27E-05	4.00E-05	3.51E-05	1.13E-08	3.41E-08	1.98E-08	2.42E-08	2.19E-08	1.00E-08	8.78E-09	0.00E+00	0.00E+00	3.64E-09	8.22E-10	5.21E-09	8.04E-10	6.80E-10	1.12E-08
2955	479426.63	3849921.93	3.33E-05	4.08E-05	3.58E-05	1.15E-08	3.48E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.96E-09	0.00E+00	0.00E+00	3.71E-09	8.39E-10	5.32E-09	8.21E-10	6.94E-10	1.14E-08
2956	478726.63	3849971.93	2.66E-05	3.26E-05	2.86E-05	9.20E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.15E-09	7.15E-09	0.00E+00	0.00E+00	2.96E-09	6.69E-10	4.24E-09	6.54E-10	5.53E-10	9.08E-09
2957	478776.63	3849971.93	2.70E-05	3.31E-05	2.91E-05	9.36E-09	2.83E-08	1.64E-08	2.00E-08	1.82E-08	8.29E-09	7.27E-09	0.00E+00	0.00E+00	3.01E-09	6.80E-10	4.32E-09	6.66E-10	5.63E-10	9.23E-09
2958	478826.63	3849971.93	2.75E-05	3.37E-05	2.95E-05	9.52E-09	2.87E-08	1.66E-08	2.04E-08	1.85E-08	8.43E-09	7.39E-09	0.00E+00	0.00E+00	3.06E-09	6.92E-10	4.39E-09	6.77E-10	5.73E-10	9.39E-09
2959	478976.63	3849971.93	2.92E-05	3.58E-05	3.14E-05	1.01E-08	3.05E-08	1.77E-08	2.17E-08	1.96E-08	8.96E-09	7.86E-09	0.00E+00	0.00E+00	3.25E-09	7.35E-10	4.66E-09	7.19E-10	6.08E-10	9.98E-09
2960	479026.63	3849971.93	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.11E-09	7.99E-09	0.00E+00	0.00E+00	3.31E-09	7.48E-10	4.74E-09	7.32E-10	6.19E-10	1.01E-08
2961	479076.63	3849971.93	3.02E-05	3.70E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.26E-09	8.13E-09	0.00E+00	0.00E+00	3.36E-09	7.60E-10	4.82E-09	7.44E-10	6.29E-10	1.03E-08
2962	479126.63	3849971.93	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.44E-09	8.28E-09	0.00E+00	0.00E+00	3.43E-09	7.74E-10	4.91E-09	7.58E-10	6.41E-10	1.05E-08
2963	479176.63	3849971.93	3.14E-05	3.84E-05	3.37E-05	1.09E-08	3.28E-08	1.90E-08	2.32E-08	2.11E-08	9.61E-09	8.43E-09	0.00E+00	0.00E+00	3.49E-09	7.89E-10	5.01E-09	7.72E-10	6.53E-10	1.07E-08
2964	479226.63	3849971.93	3.13E-05	3.83E-05	3.36E-05	1.08E-08	3.27E-08	1.89E-08	2.32E-08	2.10E-08	9.59E-09	8.41E-09	0.00E+00	0.00E+00	3.48E-09	7.87E-10	4.99E-09	7.70E-10	6.51E-10	1.07E-08
2965	479276.63	3849971.93	3.22E-05	3.95E-05	3.46E-05	1.12E-08	3.37E-08	1.95E-08	2.39E-08	2.17E-08	9.88E-09	8.67E-09	0.00E+00	0.00E+00	3.59E-09	8.11E-10	5.15E-09	7.94E-10	6.71E-10	1.10E-08
2966	479326.63	3849971.93	3.30E-05	4.04E-05	3.54E-05	1.14E-08	3.45E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.87E-09	0.00E+00	0.00E+00	3.67E-09	8.30E-10	5.27E-09	8.12E-10	6.87E-10	1.13E-08
2967	479376.63	3849971.93	3.30E-05	4.05E-05	3.55E-05	1.14E-08	3.45E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.88E-09	0.00E+00	0.00E+00	3.68E-09	8.31E-10	5.27E-09	8.13E-10	6.88E-10	1.13E-08
2968	479426.63	3849971.93	3.36E-05	4.11E-05	3.61E-05	1.16E-08	3.51E-08	2.03E-08	2.49E-08	2.26E-08	1.03E-08	9.02E-09	0.00E+00	0.00E+00	3.74E-09	8.45E-10	5.36E-09	8.26E-10	6.99E-10	1.15E-08
2969	478726.63	3850021.93	2.66E-05	3.26E-05	2.86E-05	9.20E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.15E-09	7.15E-09	0.00E+00	0.00E+00	2.96E-09	6.69E-10	4.24E-09	6.54E-10	5.54E-10	9.08E-09
2970	478776.63	3850021.93	2.70E-05	3.31E-05	2.90E-05	9.35E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.28E-09	7.26E-09	0.00E+00	0.00E+00	3.01E-09	6.79E-10	4.31E-09	6.65E-10	5.62E-10	9.22E-09
2971	478826.63	3850021.93	2.75E-05	3.37E-05	2.95E-05	9.51E-09	2.87E-08	1.66E-08	2.04E-08	1.85E-08	8.43E-09	7.39E-09	0.00E+00	0.00E+00	3.06E-09	6.91E-10	4.39E-09	6.77E-10	5.72E-10	9.39E-09
2972	478976.63	3850021.93	2.92E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.76E-08	2.16E-08	1.96E-08	8.94E-09	7.84E-09	0.00E+00	0.00E+00	3.25E-09	7.34E-10	4.65E-09	7.18E-10	6.07E-10	9.96E-09
2973	478726.63	3850071.93	2.66E-05	3.26E-05	2.86E-05	9.22E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.17E-09	7.16E-09	0.00E+00	0.00E+00	2.96E-09	6.70E-10	4.25E-09	6.56E-10	5.55E-10	9.10E-09
2974	478776.63	3850071.93	2.71E-05	3.31E-05	2.91E-05	9.36E-09	2.83E-08	1.64E-08	2.01E-08	1.82E-08	8.29E-09	7.28E-09	0.00E+00	0.00E+00	3.01E-09	6.81E-10	4.32E-09	6.66E-10	5.63E-10	9.24E-09
2975	478826.63	3850071.93	2.75E-05	3.37E-05	2.96E-05	9.52E-09	2.88E-08	1.66E-08	2.04E-08	1.85E-08	8.43E-09	7.40E-09	0.00E+00	0.00E+00	3.06E-09	6.92E-10	4.39E-09	6.77E-10	5.73E-10	9.40E-09
2976	478876.63	3850071.93	2.80E-05	3.43E-05	3.01E-05	9.69E-09	2.93E-08	1.69E-08	2.08E-08	1.88E-08	8.59E-09	7.53E-09	0.00E+00	0.00E+00	3.12E-09	7.05E-10	4.47E-09	6.89E-10	5.83E-10	9.57E-09
2977	478976.63	3850071.93	2.91E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.76E-08	2.16E-08	1.96E-08	8.93E-09	7.84E-09	0.00E+00	0.00E+00	3.24E-09	7.33E-10	4.65E-09	7.17E-10	6.07E-10	9.95E-09
2978	478726.63	3850121.93	2.67E-05	3.28E-05	2.87E-05	9.26E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.20E-09	7.19E-09	0.00E+00	0.00E+00	2.98E-09	6.73E-10	4.27E-09	6.58E-10	5.57E-10	9.14E-09
2979	478776.63	3850121.93	2.72E-05	3.33E-05	2.92E-05	9.41E-09	2.84E-08	1.64E-08	2.01E-08	1.83E-08	8.33E-09	7.31E-09	0.00E+00	0.00E+00	3.03E-09	6.84E-10	4.34E-09	6.69E-10	5.66E-10	9.28E-09
2980	478826.63	3850121.93	2.76E-05	3.38E-05	2.97E-05	9.55E-09	2.88E-08	1.67E-08	2.05E-08	1.85E-08	8.46E-09	7.42E-09	0.00E+00	0.00E+00	3.07E-09	6.94E-10	4.41E-09	6.79E-10	5.75E-10	9.43E-09
2981	478876.63	3850121.93	2.80E-05	3.43E-05	3.01E-05	9.70E-09	2.93E-08	1.70E-08	2.08E-08	1.88E-08	8.59E-09	7.54E-09	0.00E+00	0.00E+00	3.12E-09	7.05E-10	4.47E-09	6.90E-10	5.84E-10	9.57E-09
2982	478976.63	3850121.93	2.92E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.76E-08	2.16E-08	1.96E-08	8.94E-09	7.84E-09	0.00E+00	0.00E+00	3.25E-09	7.33E-10	4.65E-09	7.18E-10	6.07E-10	9.96E-09
2983	479026.63	3850121.93	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.11E-09	7.99E-09	0.00E+00	0.00E+00	3.31E-09	7.47E-10	4.74E-09	7.31E-10	6.19E-10	1.01E-08
2984	479076.63	3850121.93	3.02E-05	3.70E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.27E-09	8.13E-09	0.00E+00	0.00E+00	3.36E-09	7.60E-10	4.83E-09	7.44E-10	6.29E-10	1.03E-08
2985	479126.63	3850121.93	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.43E-09	8.27E-09	0.00E+00	0.00E+00	3.42E-09	7.74E-10	4.91E-09	7.57E-10	6.41E-10	1.05E-08
2986	478776.63	3850171.93	2.73E-05	3.34E-05	2.93E-05	9.43E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.35E-09	7.33E-09	0.00E+00	0.00E+00	3.03E-09	6.86E-10	4.35E-09	6.71E-10	5.68E-10	9.31E-09
2987	478826.63	3850171.93	2.76E-05	3.39E-05	2.97E-05	9.57E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.48E-09	7.44E-09	0.00E+00	0.00E+00	3.08E-09	6.96E-10	4.41E-09	6.81E-10	5.76E-10	9.44E-09
2988	478876.63	3850171.93	2.81E-05	3.44E-05	3.02E-05	9.72E-09	2.93E-08	1.70E-08	2.08E-08	1.89E-08	8.61E-09	7.55E-09	0.00E+00	0.00E+00	3.13E-09	7.06E-10	4.48E-09	6.91E-10	5.85E-10	9.59E-09
2989	478976.63	3850171.93	2.92E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.76E-08	2.16E-08	1.96E-08	8.94E-09	7.84E-09	0.00E+00	0.00E+00	3.25E-09	7.34E-10	4.66E-09	7.18E-10	6.07E-10	9.96E-09
2990	479026.63	3850171.93	2.97E-05	3.64E-05	3.20E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.12E-09	8.00E-09	0.00E+00	0.00E+00	3.31E-09	7.48E-10	4.75E-09	7.32E-10	6.19E-10	1.02E-08
2991	479076.63	3850171.93	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.27E-09	8.14E-09	0.00E+00	0.00E+00	3.37E-09	7.61E-10	4.83E-09	7.45E-10	6.30E-10	1.03E-08
2992	479126.63	3850171.93	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.44E-09	8.28E-09	0.00E+00	0.00E+00	3.43E-09	7.75E-10	4.92E-09	7.58E-10	6.41E-10	1.05E-08
2993	479176.63	3850171.93	3.14E-05	3.85E-05	3.37E-05	1.09E-08	3.28E-08	1.90E-08	2.33E-08	2.11E-08	9.63E-09	8.45E-09	0.00E+00	0.00E+00	3.50E-09	7.90E-10	5.01E-09	7.73E-10	6.54E-10	1.07E-08
2994	479226.63	3850171.93	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.36E-08	1.95E-08	2.38E-08	2.16E-08	9.86E-09	8.65E-09	0.00E+00	0.00E+00	3.58E-09	8.09E-10	5.14E-09	7.92E-10	6.70E-10	1.10E-08
2995	479276.63	3850171.93	3.29E-05	4.03E-05	3.54E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.85E-09	0.00E+00	0.00E+00	3.66E-09	8.28E-10	5.26E-09	8.10E-10	6.86E-10	1.12E-08
2996	479326.63	3850171.93	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.25E-08	1.02E-08	8.99E-09	0.00E+00	0.00E+00	3.72E-09	8.41E-10	5.34E-09	8.23E-10	6.96E-10	1.14E-08
2997	479376.63	3850171.93	3.39E-05	4.15E-05	3.64E-05	1.17E-08	3.54E-08	2.05E-08	2.51E-08	2.28E-08	1.04E-08	9.12E-09	0.00E+00	0.00E+00	3.77E-09	8.53E-10	5.41E-09	8.35E-10	7.06E-10	1.16E-08
2998	478676.63	3850221.93	2.66E-05	3.25E-05	2.86E-05	9.20E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.14E-09	7.15E-09	0.00E+00	0.00E+00	2.96E-09	6.68E-10	4.24E-09	6.54E-10	5.53E-10	9.07E-09
2999	478726.63	3850221.93	2.70E-05	3.30E-05	2.90E-05	9.34E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.27E-09	7.26E-09	0.00E+00	0.00E+00	3.00E-09	6.79E-10	4.31E-09	6.64E-10	5.62E-10	9.21E-09
3000	478976.63	3850221.93	2.92E-05	3.58E-05	3.14E-05	1.01E-08	3.05E-08	1.77E-08	2.17E-08	1.96E-08	8.96E-09	7.86E-09	0.00E+00	0.00E+00	3.25E-09	7.35E-10	4.66E-09	7.19E-10	6.08E-10	9.98E-09
3001	479026.63	3850221.93	2.98E-05	3.65E-05	3.20E-05	1.03E-08	3.11E-08	1.80E-08	2.21E-08	2.00E-08	9.13E-09	8.01E-09	0.00E+00	0.00E+00	3.31E-09	7.49E-10	4.75E-09	7.33E-10	6.20E-10	1.02E-08
3002	479076.63	3850221.93	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.28E-09	8.14E-09	0.00E+00	0.00E+00	3.37E-09	7.62E-10	4.83E-09	7.45E-10	6.31E-10	1.03E-08
3003	479126.63	3850221.93	3.08E-05	3.78E-05	3.31E-05	1.07E-08	3.22E-08	1.87E-08	2.29E-08	2.07E-08	9.45E-09	8.29E-09	0.00E+00	0.00E+00	3.43E-09	7.76E-10	4.92E-09	7.59E-10	6.42E-10	1.05E-08
3004	479176.63	3850221.93	3.15E-05	3.86E-05	3.39E-05	1.09E-08	3.29E-08	1.91E-08	2.34E-08	2.12E-08	9.66E-09	8.47E-09	0.00E+00	0.00E+00	3.51E-09	7.93E-10	5.03E-09	7.76E-10	6.56E-10	1.08E-08
3005	479226.63	3850221.93	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.37E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.66E-09	0.00E+00	0.00E+00	3.58E-09	8.10E-10	5.14E-09	7.93E-10	6.71E-10	1.10E-08
3006	479276.63	3850221.93	3.29E-05	4.03E-05	3.53E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.84E-09	0.00E+00	0.00E+00	3.66E-09	8.27E-10	5.25E-09	8.09E-10	6.85E-10	1.12E-08
3007	479326.63	3850221.93	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.97E-09	0.00E+00	0.00E+00	3.71E-09	8.40E-10	5.33E-09	8.22E-10	6.95E-10	1.14E-08
3008	479376.63	3850221.93	3.39E-05	4.16E-05	3.65E-05	1.17E-08	3.55E-08	2.05E-08	2.51E-08	2.28E-08	1.04E-08	9.12E-09	0.00E+00	0.00E+00	3.78E-09	8.54E-10	5.42E-09	8.35E-10	7.07E-10	1.16E-08
3009	478676.63	3850271.93	2.68E-05	3.28E-05	2.88E-05	9.27E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.21E-09	7.20E-09	0.00E+00	0.00E+00	2.98E-09	6.74E-10	4.28E-09	6.59E-10	5.58E-10	9.15E-09

3010	478726.63	3850271.93	2.71E-05	3.33E-05	2.92E-05	9.40E-09	2.84E-08	1.64E-08	2.01E-08	1.82E-08	8.32E-09	7.30E-09	0.00E+00	0.00E+00	3.02E-09	6.83E-10	4.33E-09	6.68E-10	5.65E-10	9.27E-09
3011	478976.63	3850271.93	2.92E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.96E-08	8.97E-09	7.87E-09	0.00E+00	0.00E+00	3.26E-09	7.36E-10	4.67E-09	7.20E-10	6.09E-10	9.99E-09
3012	479026.63	3850271.93	2.98E-05	3.65E-05	3.20E-05	1.03E-08	3.11E-08	1.80E-08	2.21E-08	2.00E-08	9.13E-09	8.01E-09	0.00E+00	0.00E+00	3.32E-09	7.50E-10	4.76E-09	7.33E-10	6.21E-10	1.02E-08
3013	479076.63	3850271.93	3.03E-05	3.71E-05	3.26E-05	1.05E-08	3.17E-08	1.83E-08	2.25E-08	2.04E-08	9.30E-09	8.16E-09	0.00E+00	0.00E+00	3.38E-09	7.63E-10	4.84E-09	7.47E-10	6.32E-10	1.04E-08
3014	479126.63	3850271.93	3.09E-05	3.78E-05	3.32E-05	1.07E-08	3.23E-08	1.87E-08	2.29E-08	2.07E-08	9.47E-09	8.31E-09	0.00E+00	0.00E+00	3.44E-09	7.77E-10	4.93E-09	7.60E-10	6.43E-10	1.05E-08
3015	479176.63	3850271.93	3.15E-05	3.86E-05	3.38E-05	1.09E-08	3.29E-08	1.91E-08	2.33E-08	2.12E-08	9.66E-09	8.47E-09	0.00E+00	0.00E+00	3.51E-09	7.92E-10	5.03E-09	7.75E-10	6.56E-10	1.08E-08
3016	479226.63	3850271.93	3.21E-05	3.94E-05	3.45E-05	1.11E-08	3.36E-08	1.95E-08	2.38E-08	2.16E-08	9.86E-09	8.65E-09	0.00E+00	0.00E+00	3.58E-09	8.09E-10	5.13E-09	7.91E-10	6.69E-10	1.10E-08
3017	479276.63	3850271.93	3.28E-05	4.01E-05	3.52E-05	1.13E-08	3.42E-08	1.98E-08	2.43E-08	2.20E-08	1.00E-08	8.81E-09	0.00E+00	0.00E+00	3.65E-09	8.24E-10	5.23E-09	8.07E-10	6.82E-10	1.12E-08
3018	479326.63	3850271.93	3.33E-05	4.08E-05	3.58E-05	1.15E-08	3.48E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.96E-09	0.00E+00	0.00E+00	3.71E-09	8.38E-10	5.32E-09	8.20E-10	6.94E-10	1.14E-08
3019	479376.63	3850271.93	3.38E-05	4.14E-05	3.63E-05	1.17E-08	3.54E-08	2.05E-08	2.51E-08	2.27E-08	1.04E-08	9.10E-09	0.00E+00	0.00E+00	3.77E-09	8.51E-10	5.40E-09	8.33E-10	7.04E-10	1.16E-08
3020	479053.24	3850293.52	3.01E-05	3.69E-05	3.24E-05	1.04E-08	3.15E-08	1.82E-08	2.23E-08	2.02E-08	9.23E-09	8.10E-09	0.00E+00	0.00E+00	3.35E-09	7.57E-10	4.81E-09	7.41E-10	6.27E-10	1.03E-08
3021	479103.24	3850293.52	3.07E-05	3.76E-05	3.29E-05	1.06E-08	3.20E-08	1.86E-08	2.27E-08	2.06E-08	9.40E-09	8.25E-09	0.00E+00	0.00E+00	3.41E-09	7.71E-10	4.89E-09	7.55E-10	6.39E-10	1.05E-08
3022	479153.24	3850293.52	3.12E-05	3.82E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.10E-08	9.56E-09	8.39E-09	0.00E+00	0.00E+00	3.47E-09	7.85E-10	4.98E-09	7.68E-10	6.50E-10	1.07E-08
3023	479203.24	3850293.52	3.18E-05	3.90E-05	3.42E-05	1.10E-08	3.33E-08	1.93E-08	2.36E-08	2.14E-08	9.76E-09	8.57E-09	0.00E+00	0.00E+00	3.54E-09	8.01E-10	5.08E-09	7.84E-10	6.63E-10	1.09E-08
3024	479253.24	3850293.52	3.25E-05	3.98E-05	3.49E-05	1.12E-08	3.39E-08	1.97E-08	2.41E-08	2.18E-08	9.96E-09	8.74E-09	0.00E+00	0.00E+00	3.62E-09	8.17E-10	5.18E-09	8.00E-10	6.76E-10	1.11E-08
3025	479303.24	3850293.52	3.30E-05	4.04E-05	3.55E-05	1.14E-08	3.45E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.88E-09	0.00E+00	0.00E+00	3.68E-09	8.31E-10	5.27E-09	8.13E-10	6.88E-10	1.13E-08
3026	479353.24	3850293.52	3.36E-05	4.11E-05	3.61E-05	1.16E-08	3.51E-08	2.03E-08	2.49E-08	2.25E-08	1.03E-08	9.02E-09	0.00E+00	0.00E+00	3.74E-09	8.44E-10	5.36E-09	8.26E-10	6.99E-10	1.15E-08
3027	479153.24	3850343.52	3.13E-05	3.83E-05	3.36E-05	1.08E-08	3.27E-08	1.89E-08	2.32E-08	2.10E-08	9.58E-09	8.41E-09	0.00E+00	0.00E+00	3.48E-09	7.86E-10	4.99E-09	7.69E-10	6.51E-10	1.07E-08
3028	479203.24	3850343.52	3.18E-05	3.90E-05	3.42E-05	1.10E-08	3.33E-08	1.93E-08	2.36E-08	2.14E-08	9.76E-09	8.57E-09	0.00E+00	0.00E+00	3.54E-09	8.01E-10	5.08E-09	7.84E-10	6.63E-10	1.09E-08
3029	479253.24	3850343.52	3.24E-05	3.97E-05	3.48E-05	1.12E-08	3.38E-08	1.96E-08	2.40E-08	2.18E-08	9.93E-09	8.71E-09	0.00E+00	0.00E+00	3.60E-09	8.15E-10	5.17E-09	7.97E-10	6.74E-10	1.11E-08
3030	479303.24	3850343.52	3.29E-05	4.03E-05	3.54E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.86E-09	0.00E+00	0.00E+00	3.67E-09	8.28E-10	5.26E-09	8.11E-10	6.86E-10	1.12E-08
3031	479353.24	3850343.52	3.34E-05	4.10E-05	3.59E-05	1.16E-08	3.50E-08	2.02E-08	2.48E-08	2.25E-08	1.03E-08	9.00E-09	0.00E+00	0.00E+00	3.72E-09	8.42E-10	5.34E-09	8.23E-10	6.97E-10	1.14E-08
3032	479203.24	3850393.52	3.18E-05	3.89E-05	3.42E-05	1.10E-08	3.32E-08	1.92E-08	2.36E-08	2.14E-08	9.74E-09	8.55E-09	0.00E+00	0.00E+00	3.54E-09	7.99E-10	5.07E-09	7.82E-10	6.62E-10	1.09E-08
3033	479253.24	3850393.52	3.23E-05	3.96E-05	3.47E-05	1.12E-08	3.38E-08	1.96E-08	2.40E-08	2.17E-08	9.91E-09	8.70E-09	0.00E+00	0.00E+00	3.60E-09	8.13E-10	5.16E-09	7.96E-10	6.73E-10	1.10E-08
3034	479303.24	3850393.52	3.29E-05	4.03E-05	3.53E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.84E-09	0.00E+00	0.00E+00	3.66E-09	8.27E-10	5.25E-09	8.09E-10	6.85E-10	1.12E-08
3035	479353.24	3850393.52	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.24E-08	1.02E-08	8.98E-09	0.00E+00	0.00E+00	3.72E-09	8.40E-10	5.33E-09	8.22E-10	6.96E-10	1.14E-08
3036	479403.24	3850393.52	3.39E-05	4.16E-05	3.65E-05	1.17E-08	3.55E-08	2.05E-08	2.52E-08	2.28E-08	1.04E-08	9.13E-09	0.00E+00	0.00E+00	3.78E-09	8.54E-10	5.42E-09	8.36E-10	7.07E-10	1.16E-08
3037	479453.24	3850393.52	3.45E-05	4.22E-05	3.70E-05	1.19E-08	3.60E-08	2.09E-08	2.55E-08	2.32E-08	1.06E-08	9.27E-09	0.00E+00	0.00E+00	3.84E-09	8.67E-10	5.50E-09	8.48E-10	7.18E-10	1.18E-08
3038	479503.24	3850393.52	3.49E-05	4.28E-05	3.75E-05	1.21E-08	3.65E-08	2.11E-08	2.59E-08	2.35E-08	1.07E-08	9.39E-09	0.00E+00	0.00E+00	3.89E-09	8.79E-10	5.58E-09	8.60E-10	7.27E-10	1.19E-08
3039	479303.24	3850443.52	3.28E-05	4.01E-05	3.52E-05	1.13E-08	3.42E-08	1.98E-08	2.43E-08	2.20E-08	1.00E-08	8.81E-09	0.00E+00	0.00E+00	3.65E-09	8.24E-10	5.23E-09	8.07E-10	6.82E-10	1.12E-08
3040	479353.24	3850443.52	3.33E-05	4.08E-05	3.58E-05	1.15E-08	3.48E-08	2.01E-08	2.47E-08	2.24E-08	1.02E-08	8.95E-09	0.00E+00	0.00E+00	3.71E-09	8.37E-10	5.31E-09	8.19E-10	6.93E-10	1.14E-08
3041	479403.24	3850443.52	3.38E-05	4.14E-05	3.63E-05	1.17E-08	3.53E-08	2.04E-08	2.50E-08	2.27E-08	1.04E-08	9.08E-09	0.00E+00	0.00E+00	3.76E-09	8.50E-10	5.39E-09	8.31E-10	7.03E-10	1.15E-08
3042	479453.24	3850443.52	3.43E-05	4.20E-05	3.69E-05	1.19E-08	3.58E-08	2.08E-08	2.54E-08	2.30E-08	1.05E-08	9.22E-09	0.00E+00	0.00E+00	3.82E-09	8.63E-10	5.47E-09	8.44E-10	7.14E-10	1.17E-08
3043	479503.24	3850443.52	3.48E-05	4.26E-05	3.74E-05	1.20E-08	3.64E-08	2.10E-08	2.58E-08	2.34E-08	1.07E-08	9.35E-09	0.00E+00	0.00E+00	3.87E-09	8.75E-10	5.55E-09	8.56E-10	7.24E-10	1.19E-08
3044	480327.18	3850987.04	4.60E-05	5.63E-05	4.94E-05	1.59E-08	4.80E-08	2.78E-08	3.41E-08	3.09E-08	1.41E-08	1.24E-08	0.00E+00	0.00E+00	5.12E-09	1.16E-09	7.34E-09	1.13E-09	9.57E-10	1.57E-08
3045	480377.18	3850987.04	4.66E-05	5.71E-05	5.00E-05	1.61E-08	4.87E-08	2.82E-08	3.45E-08	3.13E-08	1.43E-08	1.25E-08	0.00E+00	0.00E+00	5.19E-09	1.17E-09	7.44E-09	1.15E-09	9.70E-10	1.59E-08
3046	480427.18	3850987.04	4.72E-05	5.78E-05	5.07E-05	1.63E-08	4.93E-08	2.85E-08	3.50E-08	3.17E-08	1.45E-08	1.27E-08	0.00E+00	0.00E+00	5.25E-09	1.19E-09	7.53E-09	1.16E-09	9.82E-10	1.61E-08
3047	480477.18	3850987.04	4.77E-05	5.84E-05	5.12E-05	1.65E-08	4.99E-08	2.89E-08	3.54E-08	3.20E-08	1.46E-08	1.28E-08	0.00E+00	0.00E+00	5.31E-09	1.20E-09	7.61E-09	1.17E-09	9.93E-10	1.63E-08
3048	480327.18	3851037.04	4.60E-05	5.64E-05	4.94E-05	1.59E-08	4.81E-08	2.78E-08	3.41E-08	3.09E-08	1.41E-08	1.24E-08	0.00E+00	0.00E+00	5.12E-09	1.16E-09	7.34E-09	1.13E-09	9.58E-10	1.57E-08
3049	480377.18	3851037.04	4.67E-05	5.72E-05	5.02E-05	1.62E-08	4.88E-08	2.83E-08	3.46E-08	3.14E-08	1.43E-08	1.26E-08	0.00E+00	0.00E+00	5.20E-09	1.18E-09	7.46E-09	1.15E-09	9.73E-10	1.60E-08
3050	480427.18	3851037.04	4.74E-05	5.80E-05	5.09E-05	1.64E-08	4.95E-08	2.87E-08	3.51E-08	3.18E-08	1.45E-08	1.27E-08	0.00E+00	0.00E+00	5.27E-09	1.19E-09	7.56E-09	1.17E-09	9.86E-10	1.62E-08
3051	480477.18	3851037.04	4.80E-05	5.88E-05	5.15E-05	1.66E-08	5.01E-08	2.90E-08	3.55E-08	3.22E-08	1.47E-08	1.29E-08	0.00E+00	0.00E+00	5.34E-09	1.21E-09	7.66E-09	1.18E-09	9.99E-10	1.64E-08
3052	480622.06	3851087.39	4.98E-05	6.10E-05	5.35E-05	1.72E-08	5.21E-08	3.01E-08	3.69E-08	3.35E-08	1.53E-08	1.34E-08	0.00E+00	0.00E+00	5.55E-09	1.25E-09	7.95E-09	1.23E-09	1.04E-09	1.70E-08
3053	480672.06	3851087.39	5.03E-05	6.16E-05	5.40E-05	1.74E-08	5.26E-08	3.04E-08	3.73E-08	3.38E-08	1.54E-08	1.35E-08	0.00E+00	0.00E+00	5.60E-09	1.27E-09	8.03E-09	1.24E-09	1.05E-09	1.72E-08
3054	480622.06	3851137.39	5.02E-05	6.15E-05	5.39E-05	1.74E-08	5.24E-08	3.04E-08	3.72E-08	3.37E-08	1.54E-08	1.35E-08	0.00E+00	0.00E+00	5.58E-09	1.26E-09	8.01E-09	1.23E-09	1.04E-09	1.71E-08
3055	480672.06	3851137.39	5.07E-05	6.21E-05	5.45E-05	1.76E-08	5.30E-08	3.07E-08	3.76E-08	3.41E-08	1.55E-08	1.36E-08	0.00E+00	0.00E+00	5.64E-09	1.28E-09	8.09E-09	1.25E-09	1.06E-09	1.73E-08
3056	480722.06	3851137.39	5.12E-05	6.27E-05	5.50E-05	1.77E-08	5.35E-08	3.10E-08	3.79E-08	3.44E-08	1.57E-08	1.38E-08	0.00E+00	0.00E+00	5.70E-09	1.29E-09	8.17E-09	1.26E-09	1.07E-09	1.75E-08
3057	480622.06	3851187.39	5.04E-05	6.18E-05	5.42E-05	1.75E-08	5.27E-08	3.05E-08	3.74E-08	3.39E-08	1.55E-08	1.36E-08	0.00E+00	0.00E+00	5.61E-09	1.27E-09	8.05E-09	1.24E-09	1.05E-09	1.72E-08
3058	480672.06	3851187.39	5.10E-05	6.25E-05	5.48E-05	1.77E-08	5.34E-08	3.09E-08	3.78E-08	3.43E-08	1.56E-08	1.37E-08	0.00E+00	0.00E+00	5.68E-09	1.28E-09	8.15E-09	1.26E-09	1.06E-09	1.74E-08
3059	480722.06	3851187.39	5.16E-05	6.32E-05	5.54E-05	1.79E-08	5.39E-08	3.12E-08	3.82E-08	3.47E-08	1.58E-08	1.39E-08	0.00E+00	0.00E+00	5.74E-09	1.30E-09	8.24E-09	1.27E-09	1.07E-09	1.76E-08
3060	471363.09	3845877.25	7.13E-06	8.73E-06	7.65E-06	2.47E-09	7.45E-09	4.31E-09	5.28E-09	4.79E-09	2.18E-09	1.92E-09	0.00E+00	0.00E+00	7.93E-10	1.79E-10	1.14E-09	1.75E-10	1.48E-10	2.43E-09
3061	471863.09	3845877.25	6.83E-06	8.37E-06	7.34E-06	2.36E-09	7.14E-09	4.13E-09	5.06E-09	4.59E-09	2.09E-09	1.84E-09	0.00E+00	0.00E+00	7.60E-10	1.72E-10	1.09E-09	1.68E-10	1.42E-10	2.33E-09
3062	472363.09	3845877.25	7.44E-06	9.11E-06	7.99E-06	2.57E-09	7.77E-09	4.50E-09	5.51E-09	5.00E-09	2.28E-09	2.00E-09	0.00E+00	0.00E+00	8.28E-10	1.87E-10	1.19E-09	1.83E-10	1.55E-10	2.54E-09
3063	472863.09	3845877.25	6.26E-06	7.67E-06	6.72E-06	2.17E-09	6.54E-09	3.79E-09	4.64E-09	4.21E-09	1.92E-09	1.68E-09	0.00E+00	0.00E+00	6.97E-10	1.57E-10	9.99E-10	1.54E-10	1.30E-10	2.14E-09
3064	473363.09	3845877.25	6.12E-06	7.49E-06	6.57E-06	2.12E-09	6.39E-09	3.70E-09	4.53E-09	4.11E-09	1.88E-09	1.64E-09	0.00E+00	0.00E+00	6.81E-10	1.54E-10	9.76E-10	1.51E-10	1.27E-10	2.09E-09
3065	473863.09	3845877.25	6.42E-06	7.86E-06	6.89E-06	2.22E-09	6.71E-09	3.88E-09	4.75E-09	4.31E-09	1.97E-09	1.72E-09	0.00E+00	0.00E+00	7.14E-10	1.61E-10	1.02E-09	1.58E-10	1.34E-10	2.19E-09
3066	474363.09	3845877.25	7.59E-06	9.30E-06	8.16E-06	2.63E-09	7.94E-09	4.59E-09	5.63E-09	5.10E-09	2.33E-09	2.04E-09	0.00E+00	0.00E+00	8.45E-10	1.91E-10	1.21E-09	1.87E-10	1.58E-10	2.59E-09
3067	474863.09	3845877.25	9.63E-06	1.18E-05	1.03E-05	3.33E-09	1.01E-08	5.83E-09	7.14E-09	6.47E-09	2.95E-09	2.59E-09	0.00E+00	0.00E+00	1.07E-09	2.42E-10	1.54E-09	2.37E-10	2.00E-10	3.29E-09

3068	475363.09	3845877.25	1.22E-05	1.49E-05	1.31E-05	4.21E-09	1.27E-08	7.37E-09	9.02E-09	8.18E-09	3.73E-09	3.27E-09	0.00E+00	0.00E+00	1.36E-09	3.06E-10	1.94E-09	3.00E-10	2.53E-10	4.16E-09
3069	475863.09	3845877.25	1.27E-05	1.55E-05	1.36E-05	4.39E-09	1.33E-08	7.68E-09	9.40E-09	8.52E-09	3.89E-09	3.41E-09	0.00E+00	0.00E+00	1.41E-09	3.19E-10	2.03E-09	3.12E-10	2.64E-10	4.33E-09
3070	476363.09	3845877.25	1.17E-05	1.44E-05	1.26E-05	4.07E-09	1.23E-08	7.11E-09	8.70E-09	7.89E-09	3.60E-09	3.16E-09	0.00E+00	0.00E+00	1.31E-09	2.95E-10	1.87E-09	2.89E-10	2.44E-10	4.01E-09
3071	476863.09	3845877.25	1.06E-05	1.30E-05	1.14E-05	3.66E-09	1.11E-08	6.41E-09	7.85E-09	7.11E-09	3.25E-09	2.85E-09	0.00E+00	0.00E+00	1.18E-09	2.66E-10	1.69E-09	2.61E-10	2.20E-10	3.62E-09
3072	477363.09	3845877.25	8.88E-06	1.09E-05	9.54E-06	3.08E-09	9.29E-09	5.38E-09	6.59E-09	5.97E-09	2.72E-09	2.39E-09	0.00E+00	0.00E+00	9.89E-10	2.24E-10	1.42E-09	2.19E-10	1.85E-10	3.03E-09
3073	477863.09	3845877.25	7.72E-06	9.46E-06	8.29E-06	2.67E-09	8.07E-09	4.67E-09	5.72E-09	5.19E-09	2.37E-09	2.08E-09	0.00E+00	0.00E+00	8.60E-10	1.94E-10	1.23E-09	1.90E-10	1.61E-10	2.64E-09
3074	478363.09	3845877.25	7.44E-06	9.11E-06	8.00E-06	2.58E-09	7.78E-09	4.50E-09	5.51E-09	5.00E-09	2.28E-09	2.00E-09	0.00E+00	0.00E+00	8.28E-10	1.87E-10	1.19E-09	1.83E-10	1.55E-10	2.54E-09
3075	478863.09	3845877.25	7.13E-06	8.74E-06	7.66E-06	2.47E-09	7.45E-09	4.31E-09	5.29E-09	4.79E-09	2.19E-09	1.92E-09	0.00E+00	0.00E+00	7.94E-10	1.79E-10	1.14E-09	1.76E-10	1.48E-10	2.44E-09
3076	479363.09	3845877.25	6.87E-06	8.41E-06	7.38E-06	2.38E-09	7.18E-09	4.16E-09	5.09E-09	4.62E-09	2.11E-09	1.85E-09	0.00E+00	0.00E+00	7.65E-10	1.73E-10	1.10E-09	1.69E-10	1.43E-10	2.35E-09
3077	479863.09	3845877.25	6.64E-06	8.13E-06	7.13E-06	2.30E-09	6.94E-09	4.02E-09	4.92E-09	4.46E-09	2.04E-09	1.79E-09	0.00E+00	0.00E+00	7.39E-10	1.67E-10	1.06E-09	1.63E-10	1.38E-10	2.27E-09
3078	480363.09	3845877.25	5.60E-06	6.86E-06	6.02E-06	1.94E-09	5.86E-09	3.39E-09	4.15E-09	3.76E-09	1.72E-09	1.51E-09	0.00E+00	0.00E+00	6.24E-10	1.41E-10	8.94E-10	1.38E-10	1.17E-10	1.91E-09
3079	480863.09	3845877.25	5.06E-06	6.20E-06	5.44E-06	1.75E-09	5.29E-09	3.06E-09	3.75E-09	3.40E-09	1.55E-09	1.36E-09	0.00E+00	0.00E+00	5.64E-10	1.27E-10	8.08E-10	1.25E-10	1.05E-10	1.73E-09
3080	481363.09	3845877.25	4.67E-06	5.73E-06	5.02E-06	1.62E-09	4.89E-09	2.83E-09	3.46E-09	3.14E-09	1.43E-09	1.26E-09	0.00E+00	0.00E+00	5.20E-10	1.18E-10	7.46E-10	1.15E-10	9.73E-11	1.60E-09
3081	481863.09	3845877.25	4.19E-06	5.13E-06	4.50E-06	1.45E-09	4.38E-09	2.53E-09	3.10E-09	2.81E-09	1.28E-09	1.13E-09	0.00E+00	0.00E+00	4.66E-10	1.05E-10	6.68E-10	1.03E-10	8.71E-11	1.43E-09
3082	482363.09	3845877.25	3.76E-06	4.61E-06	4.05E-06	1.30E-09	3.93E-09	2.28E-09	2.79E-09	2.53E-09	1.15E-09	1.01E-09	0.00E+00	0.00E+00	4.19E-10	9.47E-11	6.01E-10	9.27E-11	7.84E-11	1.29E-09
3083	482863.09	3845877.25	3.05E-06	3.74E-06	3.28E-06	1.06E-09	3.19E-09	1.85E-09	2.26E-09	2.05E-09	9.35E-10	8.20E-10	0.00E+00	0.00E+00	3.40E-10	7.68E-11	4.87E-10	7.51E-11	6.35E-11	1.04E-09
3084	483363.09	3845877.25	2.80E-06	3.43E-06	3.01E-06	9.70E-10	2.93E-09	1.70E-09	2.08E-09	1.88E-09	8.59E-10	7.53E-10	0.00E+00	0.00E+00	3.12E-10	7.05E-11	4.47E-10	6.90E-11	5.83E-11	9.57E-10
3085	483863.09	3845877.25	3.18E-06	3.90E-06	3.42E-06	1.10E-09	3.32E-09	1.92E-09	2.36E-09	2.14E-09	9.75E-10	8.55E-10	0.00E+00	0.00E+00	3.54E-10	8.00E-11	5.08E-10	7.83E-11	6.62E-11	1.09E-09
3086	484363.09	3845877.25	3.12E-06	3.82E-06	3.35E-06	1.08E-09	3.26E-09	1.89E-09	2.31E-09	2.10E-09	9.57E-10	8.40E-10	0.00E+00	0.00E+00	3.48E-10	7.85E-11	4.98E-10	7.69E-11	6.50E-11	1.07E-09
3087	484863.09	3845877.25	2.97E-06	3.63E-06	3.19E-06	1.03E-09	3.10E-09	1.80E-09	2.20E-09	1.99E-09	9.09E-10	7.98E-10	0.00E+00	0.00E+00	3.30E-10	7.46E-11	4.74E-10	7.30E-11	6.18E-11	1.01E-09
3088	485363.09	3845877.25	2.79E-06	3.42E-06	3.00E-06	9.67E-10	2.92E-09	1.69E-09	2.07E-09	1.88E-09	8.57E-10	7.51E-10	0.00E+00	0.00E+00	3.11E-10	7.03E-11	4.46E-10	6.88E-11	5.82E-11	9.54E-10
3089	485863.09	3845877.25	2.74E-06	3.36E-06	2.94E-06	9.49E-10	2.86E-09	1.66E-09	2.03E-09	1.84E-09	8.40E-10	7.37E-10	0.00E+00	0.00E+00	3.05E-10	6.89E-11	4.38E-10	6.75E-11	5.70E-11	9.36E-10
3090	486363.09	3845877.25	2.61E-06	3.20E-06	2.80E-06	9.04E-10	2.73E-09	1.58E-09	1.93E-09	1.75E-09	8.00E-10	7.02E-10	0.00E+00	0.00E+00	2.91E-10	6.57E-11	4.17E-10	6.43E-11	5.44E-11	8.92E-10
3091	486863.09	3845877.25	2.42E-06	2.97E-06	2.60E-06	8.38E-10	2.53E-09	1.46E-09	1.79E-09	1.63E-09	7.42E-10	6.51E-10	0.00E+00	0.00E+00	2.70E-10	6.09E-11	3.86E-10	5.96E-11	5.04E-11	8.27E-10
3092	487363.09	3845877.25	2.37E-06	2.90E-06	2.54E-06	8.20E-10	2.47E-09	1.43E-09	1.75E-09	1.59E-09	7.26E-10	6.36E-10	0.00E+00	0.00E+00	2.64E-10	5.96E-11	3.78E-10	5.83E-11	4.93E-11	8.09E-10
3093	487863.09	3845877.25	2.21E-06	2.71E-06	2.37E-06	7.65E-10	2.31E-09	1.34E-09	1.64E-09	1.48E-09	6.77E-10	5.94E-10	0.00E+00	0.00E+00	2.46E-10	5.56E-11	3.53E-10	5.44E-11	4.60E-11	7.55E-10
3094	488363.09	3845877.25	2.13E-06	2.61E-06	2.28E-06	7.36E-10	2.22E-09	1.29E-09	1.58E-09	1.43E-09	6.52E-10	5.72E-10	0.00E+00	0.00E+00	2.37E-10	5.35E-11	3.40E-10	5.24E-11	4.43E-11	7.27E-10
3095	488863.09	3845877.25	2.34E-06	2.87E-06	2.52E-06	8.11E-10	2.45E-09	1.42E-09	1.74E-09	1.57E-09	7.19E-10	6.30E-10	0.00E+00	0.00E+00	2.61E-10	5.90E-11	3.74E-10	5.77E-11	4.88E-11	8.01E-10
3096	489363.09	3845877.25	2.34E-06	2.87E-06	2.51E-06	8.10E-10	2.45E-09	1.42E-09	1.73E-09	1.57E-09	7.17E-10	6.29E-10	0.00E+00	0.00E+00	2.60E-10	5.89E-11	3.73E-10	5.76E-11	4.87E-11	7.99E-10
3097	489863.09	3845877.25	2.24E-06	2.75E-06	2.41E-06	7.76E-10	2.34E-09	1.36E-09	1.66E-09	1.51E-09	6.87E-10	6.03E-10	0.00E+00	0.00E+00	2.50E-10	5.64E-11	3.58E-10	5.52E-11	4.67E-11	7.66E-10
3098	490363.09	3845877.25	2.13E-06	2.61E-06	2.29E-06	7.38E-10	2.23E-09	1.29E-09	1.58E-09	1.43E-09	6.53E-10	5.73E-10	0.00E+00	0.00E+00	2.37E-10	5.36E-11	3.40E-10	5.25E-11	4.43E-11	7.28E-10
3099	490863.09	3845877.25	1.92E-06	2.35E-06	2.06E-06	6.65E-10	2.01E-09	1.16E-09	1.42E-09	1.29E-09	5.89E-10	5.16E-10	0.00E+00	0.00E+00	2.14E-10	4.84E-11	3.07E-10	4.73E-11	4.00E-11	6.56E-10
3100	491363.09	3845877.25	2.10E-06	2.58E-06	2.26E-06	7.28E-10	2.20E-09	1.27E-09	1.56E-09	1.41E-09	6.45E-10	5.65E-10	0.00E+00	0.00E+00	2.34E-10	5.29E-11	3.36E-10	5.18E-11	4.37E-11	7.18E-10
3101	491863.09	3845877.25	2.26E-06	2.77E-06	2.43E-06	7.83E-10	2.36E-09	1.37E-09	1.68E-09	1.52E-09	6.93E-10	6.07E-10	0.00E+00	0.00E+00	2.52E-10	5.69E-11	3.61E-10	5.57E-11	4.70E-11	7.72E-10
3102	492363.09	3845877.25	2.14E-06	2.62E-06	2.29E-06	7.40E-10	2.23E-09	1.29E-09	1.58E-09	1.44E-09	6.55E-10	5.74E-10	0.00E+00	0.00E+00	2.38E-10	5.37E-11	3.41E-10	5.26E-11	4.44E-11	7.30E-10
3103	492863.09	3845877.25	2.45E-06	3.00E-06	2.63E-06	8.47E-10	2.56E-09	1.48E-09	1.81E-09	1.64E-09	7.50E-10	6.58E-10	0.00E+00	0.00E+00	2.72E-10	6.16E-11	3.91E-10	6.02E-11	5.09E-11	8.36E-10
3104	493363.09	3845877.25	2.64E-06	3.24E-06	2.84E-06	9.16E-10	2.76E-09	1.60E-09	1.96E-09	1.78E-09	8.11E-10	7.11E-10	0.00E+00	0.00E+00	2.94E-10	6.65E-11	4.22E-10	6.51E-11	5.50E-11	9.03E-10
3105	493863.09	3845877.25	2.88E-06	3.52E-06	3.09E-06	9.96E-10	3.01E-09	1.74E-09	2.13E-09	1.93E-09	8.82E-10	7.73E-10	0.00E+00	0.00E+00	3.20E-10	7.24E-11	4.59E-10	7.08E-11	5.99E-11	9.83E-10
3106	494363.09	3845877.25	3.07E-06	3.76E-06	3.30E-06	1.06E-09	3.21E-09	1.86E-09	2.28E-09	2.07E-09	9.42E-10	8.26E-10	0.00E+00	0.00E+00	3.42E-10	7.73E-11	4.91E-10	7.57E-11	6.40E-11	1.05E-09
3107	494863.09	3845877.25	3.25E-06	3.98E-06	3.49E-06	1.13E-09	3.40E-09	1.97E-09	2.41E-09	2.18E-09	9.97E-10	8.74E-10	0.00E+00	0.00E+00	3.62E-10	8.18E-11	5.19E-10	8.00E-11	6.77E-11	1.11E-09
3108	495363.09	3845877.25	3.49E-06	4.27E-06	3.74E-06	1.21E-09	3.64E-09	2.11E-09	2.58E-09	2.34E-09	1.07E-09	9.37E-10	0.00E+00	0.00E+00	3.88E-10	8.77E-11	5.57E-10	8.58E-11	7.26E-11	1.19E-09
3109	495863.09	3845877.25	3.75E-06	4.59E-06	4.02E-06	1.30E-09	3.92E-09	2.27E-09	2.78E-09	2.52E-09	1.15E-09	1.01E-09	0.00E+00	0.00E+00	4.17E-10	9.42E-11	5.98E-10	9.22E-11	7.80E-11	1.28E-09
3110	496363.09	3845877.25	4.03E-06	4.94E-06	4.33E-06	1.39E-09	4.21E-09	2.44E-09	2.99E-09	2.71E-09	1.24E-09	1.08E-09	0.00E+00	0.00E+00	4.49E-10	1.01E-10	6.43E-10	9.92E-11	8.38E-11	1.38E-09
3111	496863.09	3845877.25	4.25E-06	5.21E-06	4.56E-06	1.47E-09	4.44E-09	2.57E-09	3.15E-09	2.86E-09	1.30E-09	1.14E-09	0.00E+00	0.00E+00	4.73E-10	1.07E-10	6.78E-10	1.05E-10	8.84E-11	1.45E-09
3112	497363.09	3845877.25	4.47E-06	5.47E-06	4.79E-06	1.55E-09	4.67E-09	2.70E-09	3.31E-09	3.00E-09	1.37E-09	1.20E-09	0.00E+00	0.00E+00	4.97E-10	1.12E-10	7.13E-10	1.10E-10	9.29E-11	1.53E-09
3113	497863.09	3845877.25	4.74E-06	5.81E-06	5.09E-06	1.64E-09	4.95E-09	2.87E-09	3.51E-09	3.18E-09	1.45E-09	1.27E-09	0.00E+00	0.00E+00	5.28E-10	1.19E-10	7.57E-10	1.17E-10	9.86E-11	1.62E-09
3114	498363.09	3845877.25	5.00E-06	6.12E-06	5.37E-06	1.73E-09	5.22E-09	3.02E-09	3.70E-09	3.36E-09	1.53E-09	1.34E-09	0.00E+00	0.00E+00	5.56E-10	1.26E-10	7.98E-10	1.23E-10	1.04E-10	1.71E-09
3115	471363.09	3846377.25	1.07E-05	1.31E-05	1.15E-05	3.70E-09	1.12E-08	6.47E-09	7.92E-09	7.18E-09	3.28E-09	2.87E-09	0.00E+00	0.00E+00	1.19E-09	2.69E-10	1.71E-09	2.63E-10	2.23E-10	3.65E-09
3116	471863.09	3846377.25	9.95E-06	1.22E-05	1.07E-05	3.44E-09	1.04E-08	6.02E-09	7.37E-09	6.68E-09	3.05E-09	2.67E-09	0.00E+00	0.00E+00	1.11E-09	2.50E-10	1.59E-09	2.45E-10	2.07E-10	3.40E-09
3117	472363.09	3846377.25	7.40E-06	9.07E-06	7.95E-06	2.56E-09	7.74E-09	4.48E-09	5.49E-09	4.97E-09	2.27E-09	1.99E-09	0.00E+00	0.00E+00	8.24E-10	1.86E-10	1.18E-09	1.82E-10	1.54E-10	2.53E-09
3118	472863.09	3846377.25	7.50E-06	9.19E-06	8.05E-06	2.60E-09	7.84E-09	4.54E-09	5.56E-09	5.04E-09	2.30E-09	2.02E-09	0.00E+00	0.00E+00	8.35E-10	1.89E-10	1.20E-09	1.85E-10	1.56E-10	2.56E-09
3119	473363.09	3846377.25	7.40E-06	9.06E-06	7.95E-06	2.56E-09	7.73E-09	4.48E-09	5.48E-09	4.97E-09	2.27E-09	1.99E-09	0.00E+00	0.00E+00	8.24E-10	1.86E-10	1.18E-09	1.82E-10	1.54E-10	2.53E-09
3120	473863.09	3846377.25	7.45E-06	9.13E-06	8.00E-06	2.58E-09	7.79E-09	4.51E-09	5.52E-09	5.01E-09	2.28E-09	2.00E-09	0.00E+00	0.00E+00	8.29E-10	1.87E-10	1.19E-09	1.83E-10	1.55E-10	2.54E-09
3121	474363.09	3846377.25	7.77E-06	9.52E-06	8.34E-06	2.69E-09	8.12E-09	4.70E-09	5.76E-09	5.22E-09	2.38E-09	2.09E-09	0.00E+00	0.00E+00	8.65E-10	1.95E-10	1.24E-09	1.91E-10	1.62E-10	2.65E-09
3122	474863.09	3846377.25	9.01E-06	1.10E-05	9.68E-06	3.12E-09	9.42E-09	5.45E-09	6.68E-09	6.05E-09	2.76E-09	2.42E-09	0.00E+00	0.00E+00	1.00E-09	2.27E-10	1.44E-09	2.22E-10	1.88E-10	3.08E-09
3123	475363.09	3846377.25	1.12E-05	1.37E-05	1.20E-05	3.87E-09	1.17E-08	6.77E-09	8.29E-09	7.51E-09	3.43E-09	3.01E-09	0.00E+00	0.00E+00	1.24E-09	2.81E-10	1.79E-09	2.75E-10	2.33E-10	3.82E-09
3124	475863.09	3846377.25	1.39E-05	1.70E-05	1.49E-05	4.81E-09	1.45E-08	8.41E-09	1.03E-08	9.34E-09	4.26E-09	3.74E-09	0.00E+00	0.00E+00	1.55E-09	3.50E-10	2.22E-09	3.42E-10	2.89E-10	4.75E-09
3125	476363.09	3846377.25	1.39E-05	1.71E-05	1.50E-05	4.83E-09	1.46E-08	8.44E-09	1.03E-08	9.37E-09	4.28E-09	3.75E-09	0.00E+00	0.00E+00	1.55E-09	3.51E-10	2.23E-09	3.43E-10	2.90E-10	4.76E-09

3126	476863.09	3846377.25	1.29E-05	1.58E-05	1.38E-05	4.46E-09	1.35E-08	7.79E-09	9.55E-09	8.66E-09	3.95E-09	3.46E-09	0.00E+00	0.00E+00	1.43E-09	3.24E-10	2.06E-09	3.17E-10	2.68E-10	4.40E-09
3127	477363.09	3846377.25	1.16E-05	1.42E-05	1.25E-05	4.02E-09	1.21E-08	7.02E-09	8.60E-09	7.80E-09	3.56E-09	3.12E-09	0.00E+00	0.00E+00	1.29E-09	2.92E-10	1.85E-09	2.86E-10	2.42E-10	3.96E-09
3128	477863.09	3846377.25	9.45E-06	1.16E-05	1.01E-05	3.27E-09	9.88E-09	5.72E-09	7.00E-09	6.35E-09	2.90E-09	2.54E-09	0.00E+00	0.00E+00	1.05E-09	2.38E-10	1.51E-09	2.33E-10	1.97E-10	3.23E-09
3129	478363.09	3846377.25	8.55E-06	1.05E-05	9.18E-06	2.96E-09	8.93E-09	5.17E-09	6.34E-09	5.74E-09	2.62E-09	2.30E-09	0.00E+00	0.00E+00	9.52E-10	2.15E-10	1.36E-09	2.10E-10	1.78E-10	2.92E-09
3130	478863.09	3846377.25	8.55E-06	1.05E-05	9.18E-06	2.96E-09	8.93E-09	5.17E-09	6.33E-09	5.74E-09	2.62E-09	2.30E-09	0.00E+00	0.00E+00	9.51E-10	2.15E-10	1.36E-09	2.10E-10	1.78E-10	2.92E-09
3131	479363.09	3846377.25	8.20E-06	1.00E-05	8.81E-06	2.84E-09	8.57E-09	4.96E-09	6.08E-09	5.51E-09	2.51E-09	2.20E-09	0.00E+00	0.00E+00	9.13E-10	2.06E-10	1.31E-09	2.02E-10	1.71E-10	2.80E-09
3132	479863.09	3846377.25	7.42E-06	9.09E-06	7.97E-06	2.57E-09	7.75E-09	4.49E-09	5.50E-09	4.98E-09	2.27E-09	1.99E-09	0.00E+00	0.00E+00	8.26E-10	1.87E-10	1.18E-09	1.83E-10	1.54E-10	2.53E-09
3133	480363.09	3846377.25	7.27E-06	8.91E-06	7.81E-06	2.52E-09	7.60E-09	4.40E-09	5.39E-09	4.88E-09	2.23E-09	1.96E-09	0.00E+00	0.00E+00	8.09E-10	1.83E-10	1.16E-09	1.79E-10	1.51E-10	2.48E-09
3134	480863.09	3846377.25	5.96E-06	7.30E-06	6.40E-06	2.06E-09	6.23E-09	3.61E-09	4.42E-09	4.00E-09	1.83E-09	1.60E-09	0.00E+00	0.00E+00	6.63E-10	1.50E-10	9.51E-10	1.47E-10	1.24E-10	2.04E-09
3135	481363.09	3846377.25	5.61E-06	6.87E-06	6.02E-06	1.94E-09	5.86E-09	3.39E-09	4.16E-09	3.77E-09	1.72E-09	1.51E-09	0.00E+00	0.00E+00	6.24E-10	1.41E-10	8.95E-10	1.38E-10	1.17E-10	1.92E-09
3136	481863.09	3846377.25	4.99E-06	6.11E-06	5.36E-06	1.73E-09	5.21E-09	3.02E-09	3.70E-09	3.35E-09	1.53E-09	1.34E-09	0.00E+00	0.00E+00	5.55E-10	1.25E-10	7.96E-10	1.23E-10	1.04E-10	1.70E-09
3137	482363.09	3846377.25	4.29E-06	5.26E-06	4.61E-06	1.49E-09	4.49E-09	2.60E-09	3.18E-09	2.88E-09	1.32E-09	1.15E-09	0.00E+00	0.00E+00	4.78E-10	1.08E-10	6.85E-10	1.06E-10	8.94E-11	1.47E-09
3138	482863.09	3846377.25	3.64E-06	4.46E-06	3.91E-06	1.26E-09	3.80E-09	2.20E-09	2.70E-09	2.44E-09	1.12E-09	9.78E-10	0.00E+00	0.00E+00	4.05E-10	9.15E-11	5.81E-10	8.96E-11	7.57E-11	1.24E-09
3139	483363.09	3846377.25	3.82E-06	4.68E-06	4.10E-06	1.32E-09	3.99E-09	2.31E-09	2.83E-09	2.56E-09	1.17E-09	1.03E-09	0.00E+00	0.00E+00	4.25E-10	9.60E-11	6.09E-10	9.40E-11	7.95E-11	1.30E-09
3140	483863.09	3846377.25	3.65E-06	4.47E-06	3.92E-06	1.26E-09	3.82E-09	2.21E-09	2.71E-09	2.45E-09	1.12E-09	9.82E-10	0.00E+00	0.00E+00	4.07E-10	9.19E-11	5.83E-10	8.99E-11	7.60E-11	1.25E-09
3141	484363.09	3846377.25	3.26E-06	3.99E-06	3.50E-06	1.13E-09	3.41E-09	1.97E-09	2.42E-09	2.19E-09	1.00E-09	8.77E-10	0.00E+00	0.00E+00	3.63E-10	8.20E-11	5.21E-10	8.03E-11	6.79E-11	1.11E-09
3142	484863.09	3846377.25	3.49E-06	4.28E-06	3.75E-06	1.21E-09	3.65E-09	2.11E-09	2.59E-09	2.35E-09	1.07E-09	9.39E-10	0.00E+00	0.00E+00	3.89E-10	8.79E-11	5.58E-10	8.60E-11	7.27E-11	1.19E-09
3143	485363.09	3846377.25	3.42E-06	4.19E-06	3.67E-06	1.18E-09	3.58E-09	2.07E-09	2.54E-09	2.30E-09	1.05E-09	9.20E-10	0.00E+00	0.00E+00	3.81E-10	8.60E-11	5.46E-10	8.42E-11	7.12E-11	1.17E-09
3144	485863.09	3846377.25	3.09E-06	3.79E-06	3.32E-06	1.07E-09	3.23E-09	1.87E-09	2.29E-09	2.08E-09	9.48E-10	8.31E-10	0.00E+00	0.00E+00	3.44E-10	7.78E-11	4.94E-10	7.61E-11	6.44E-11	1.06E-09
3145	486363.09	3846377.25	2.61E-06	3.20E-06	2.81E-06	9.05E-10	2.73E-09	1.58E-09	1.94E-09	1.76E-09	8.02E-10	7.03E-10	0.00E+00	0.00E+00	2.91E-10	6.58E-11	4.17E-10	6.44E-11	5.44E-11	8.93E-10
3146	486863.09	3846377.25	2.50E-06	3.06E-06	2.69E-06	8.66E-10	2.61E-09	1.51E-09	1.85E-09	1.68E-09	7.67E-10	6.72E-10	0.00E+00	0.00E+00	2.78E-10	6.29E-11	3.99E-10	6.16E-11	5.21E-11	8.54E-10
3147	487363.09	3846377.25	2.52E-06	3.09E-06	2.71E-06	8.74E-10	2.64E-09	1.53E-09	1.87E-09	1.70E-09	7.74E-10	6.78E-10	0.00E+00	0.00E+00	2.81E-10	6.35E-11	4.03E-10	6.21E-11	5.25E-11	8.62E-10
3148	487863.09	3846377.25	2.70E-06	3.30E-06	2.90E-06	9.34E-10	2.82E-09	1.63E-09	2.00E-09	1.81E-09	8.27E-10	7.25E-10	0.00E+00	0.00E+00	3.00E-10	6.79E-11	4.31E-10	6.64E-11	5.62E-11	9.21E-10
3149	488363.09	3846377.25	2.62E-06	3.20E-06	2.81E-06	9.05E-10	2.73E-09	1.58E-09	1.94E-09	1.76E-09	8.02E-10	7.03E-10	0.00E+00	0.00E+00	2.91E-10	6.58E-11	4.18E-10	6.44E-11	5.44E-11	8.93E-10
3150	488863.09	3846377.25	2.62E-06	3.21E-06	2.81E-06	9.07E-10	2.74E-09	1.59E-09	1.94E-09	1.76E-09	8.03E-10	7.04E-10	0.00E+00	0.00E+00	2.92E-10	6.59E-11	4.18E-10	6.45E-11	5.45E-11	8.95E-10
3151	489363.09	3846377.25	2.57E-06	3.15E-06	2.76E-06	8.91E-10	2.69E-09	1.56E-09	1.91E-09	1.73E-09	7.89E-10	6.92E-10	0.00E+00	0.00E+00	2.86E-10	6.47E-11	4.11E-10	6.33E-11	5.36E-11	8.79E-10
3152	489863.09	3846377.25	2.48E-06	3.04E-06	2.66E-06	8.59E-10	2.59E-09	1.50E-09	1.84E-09	1.67E-09	7.60E-10	6.67E-10	0.00E+00	0.00E+00	2.76E-10	6.24E-11	3.96E-10	6.11E-11	5.16E-11	8.47E-10
3153	490363.09	3846377.25	2.23E-06	2.74E-06	2.40E-06	7.73E-10	2.33E-09	1.35E-09	1.65E-09	1.50E-09	6.85E-10	6.00E-10	0.00E+00	0.00E+00	2.49E-10	5.62E-11	3.56E-10	5.50E-11	4.65E-11	7.63E-10
3154	490863.09	3846377.25	2.18E-06	2.67E-06	2.34E-06	7.56E-10	2.28E-09	1.32E-09	1.62E-09	1.47E-09	6.69E-10	5.86E-10	0.00E+00	0.00E+00	2.43E-10	5.49E-11	3.48E-10	5.37E-11	4.54E-11	7.45E-10
3155	491363.09	3846377.25	2.24E-06	2.75E-06	2.41E-06	7.76E-10	2.34E-09	1.36E-09	1.66E-09	1.51E-09	6.87E-10	6.02E-10	0.00E+00	0.00E+00	2.50E-10	5.64E-11	3.58E-10	5.52E-11	4.66E-11	7.66E-10
3156	491863.09	3846377.25	2.51E-06	3.08E-06	2.70E-06	8.70E-10	2.63E-09	1.52E-09	1.86E-09	1.69E-09	7.70E-10	6.75E-10	0.00E+00	0.00E+00	2.80E-10	6.32E-11	4.01E-10	6.19E-11	5.23E-11	8.58E-10
3157	492363.09	3846377.25	2.54E-06	3.12E-06	2.73E-06	8.81E-10	2.66E-09	1.54E-09	1.89E-09	1.71E-09	7.80E-10	6.84E-10	0.00E+00	0.00E+00	2.83E-10	6.40E-11	4.06E-10	6.26E-11	5.29E-11	8.69E-10
3158	492863.09	3846377.25	2.67E-06	3.26E-06	2.86E-06	9.23E-10	2.79E-09	1.61E-09	1.98E-09	1.79E-09	8.17E-10	7.16E-10	0.00E+00	0.00E+00	2.97E-10	6.71E-11	4.25E-10	6.56E-11	5.55E-11	9.10E-10
3159	493363.09	3846377.25	2.98E-06	3.65E-06	3.20E-06	1.03E-09	3.11E-09	1.80E-09	2.21E-09	2.00E-09	9.13E-10	8.00E-10	0.00E+00	0.00E+00	3.32E-10	7.49E-11	4.75E-10	7.33E-11	6.20E-11	1.02E-09
3160	493863.09	3846377.25	3.23E-06	3.96E-06	3.47E-06	1.12E-09	3.38E-09	1.95E-09	2.39E-09	2.17E-09	9.90E-10	8.68E-10	0.00E+00	0.00E+00	3.60E-10	8.13E-11	5.16E-10	7.95E-11	6.72E-11	1.10E-09
3161	494363.09	3846377.25	3.47E-06	4.25E-06	3.72E-06	1.20E-09	3.62E-09	2.10E-09	2.57E-09	2.33E-09	1.06E-09	9.32E-10	0.00E+00	0.00E+00	3.86E-10	8.72E-11	5.54E-10	8.54E-11	7.22E-11	1.18E-09
3162	494863.09	3846377.25	3.70E-06	4.53E-06	3.98E-06	1.28E-09	3.87E-09	2.24E-09	2.74E-09	2.49E-09	1.13E-09	9.95E-10	0.00E+00	0.00E+00	4.12E-10	9.31E-11	5.91E-10	9.11E-11	7.71E-11	1.26E-09
3163	495363.09	3846377.25	3.96E-06	4.85E-06	4.25E-06	1.37E-09	4.14E-09	2.40E-09	2.93E-09	2.66E-09	1.21E-09	1.06E-09	0.00E+00	0.00E+00	4.41E-10	9.96E-11	6.32E-10	9.75E-11	8.24E-11	1.35E-09
3164	495863.09	3846377.25	4.29E-06	5.25E-06	4.60E-06	1.48E-09	4.48E-09	2.59E-09	3.18E-09	2.88E-09	1.31E-09	1.15E-09	0.00E+00	0.00E+00	4.77E-10	1.08E-10	6.84E-10	1.06E-10	8.92E-11	1.46E-09
3165	496363.09	3846377.25	4.61E-06	5.64E-06	4.95E-06	1.60E-09	4.82E-09	2.79E-09	3.42E-09	3.10E-09	1.41E-09	1.24E-09	0.00E+00	0.00E+00	5.13E-10	1.16E-10	7.36E-10	1.13E-10	9.59E-11	1.57E-09
3166	496863.09	3846377.25	4.94E-06	6.05E-06	5.30E-06	1.71E-09	5.16E-09	2.99E-09	3.66E-09	3.32E-09	1.51E-09	1.33E-09	0.00E+00	0.00E+00	5.50E-10	1.24E-10	7.89E-10	1.22E-10	1.03E-10	1.69E-09
3167	497363.09	3846377.25	5.25E-06	6.44E-06	5.64E-06	1.82E-09	5.49E-09	3.18E-09	3.89E-09	3.53E-09	1.61E-09	1.41E-09	0.00E+00	0.00E+00	5.85E-10	1.32E-10	8.39E-10	1.29E-10	1.09E-10	1.79E-09
3168	497863.09	3846377.25	5.55E-06	6.80E-06	5.96E-06	1.92E-09	5.80E-09	3.36E-09	4.12E-09	3.73E-09	1.70E-09	1.49E-09	0.00E+00	0.00E+00	6.18E-10	1.40E-10	8.86E-10	1.37E-10	1.16E-10	1.90E-09
3169	498363.09	3846377.25	5.83E-06	7.14E-06	6.26E-06	2.02E-09	6.09E-09	3.53E-09	4.32E-09	3.92E-09	1.79E-09	1.57E-09	0.00E+00	0.00E+00	6.49E-10	1.47E-10	9.31E-10	1.44E-10	1.21E-10	1.99E-09
3170	471363.09	3846877.25	1.17E-05	1.43E-05	1.25E-05	4.04E-09	1.22E-08	7.07E-09	8.66E-09	7.85E-09	3.58E-09	3.14E-09	0.00E+00	0.00E+00	1.30E-09	2.94E-10	1.86E-09	2.88E-10	2.43E-10	3.99E-09
3171	471863.09	3846877.25	1.18E-05	1.44E-05	1.26E-05	4.07E-09	1.23E-08	7.12E-09	8.72E-09	7.91E-09	3.61E-09	3.16E-09	0.00E+00	0.00E+00	1.31E-09	2.96E-10	1.88E-09	2.90E-10	2.45E-10	4.02E-09
3172	472363.09	3846877.25	1.14E-05	1.39E-05	1.22E-05	3.94E-09	1.19E-08	6.89E-09	8.43E-09	7.65E-09	3.49E-09	3.06E-09	0.00E+00	0.00E+00	1.27E-09	2.86E-10	1.82E-09	2.80E-10	2.37E-10	3.89E-09
3173	472863.09	3846877.25	7.94E-06	9.72E-06	8.52E-06	2.75E-09	8.29E-09	4.80E-09	5.88E-09	5.33E-09	2.43E-09	2.13E-09	0.00E+00	0.00E+00	8.83E-10	2.00E-10	1.27E-09	1.95E-10	1.65E-10	2.71E-09
3174	473363.09	3846877.25	8.66E-06	1.06E-05	9.30E-06	3.00E-09	9.05E-09	5.24E-09	6.42E-09	5.82E-09	2.65E-09	2.33E-09	0.00E+00	0.00E+00	9.64E-10	2.18E-10	1.38E-09	2.13E-10	1.80E-10	2.96E-09
3175	473863.09	3846877.25	9.23E-06	1.13E-05	9.91E-06	3.19E-09	9.64E-09	5.58E-09	6.84E-09	6.20E-09	2.83E-09	2.48E-09	0.00E+00	0.00E+00	1.03E-09	2.32E-10	1.47E-09	2.27E-10	1.92E-10	3.15E-09
3176	474363.09	3846877.25	8.75E-06	1.07E-05	9.40E-06	3.03E-09	9.14E-09	5.29E-09	6.48E-09	5.88E-09	2.68E-09	2.35E-09	0.00E+00	0.00E+00	9.74E-10	2.20E-10	1.40E-09	2.15E-10	1.82E-10	2.99E-09
3177	474863.09	3846877.25	8.77E-06	1.07E-05	9.42E-06	3.03E-09	9.16E-09	5.30E-09	6.50E-09	5.89E-09	2.69E-09	2.36E-09	0.00E+00	0.00E+00	9.76E-10	2.21E-10	1.40E-09	2.16E-10	1.83E-10	2.99E-09
3178	475363.09	3846877.25	9.56E-06	1.17E-05	1.03E-05	3.31E-09	9.99E-09	5.78E-09	7.09E-09	6.42E-09	2.93E-09	2.57E-09	0.00E+00	0.00E+00	1.06E-09	2.40E-10	1.53E-09	2.35E-10	1.99E-10	3.26E-09
3179	475863.09	3846877.25	1.25E-05	1.53E-05	1.34E-05	4.32E-09	1.30E-08	7.55E-09	9.25E-09	8.39E-09	3.83E-09	3.36E-09	0.00E+00	0.00E+00	1.39E-09	3.14E-10	1.99E-09	3.07E-10	2.60E-10	4.26E-09
3180	476363.09	3846877.25	1.52E-05	1.87E-05	1.64E-05	5.28E-09	1.59E-08	9.23E-09	1.13E-08	1.02E-08	4.67E-09	4.10E-09	0.00E+00	0.00E+00	1.70E-09	3.84E-10	2.43E-09	3.75E-10	3.17E-10	5.21E-09
3181	476863.09	3846877.25	1.53E-05	1.88E-05	1.65E-05	5.31E-09	1.60E-08	9.28E-09	1.14E-08	1.03E-08	4.70E-09	4.12E-09	0.00E+00	0.00E+00	1.71E-09	3.86E-10	2.45E-09	3.77E-10	3.19E-10	5.24E-09
3182	477363.09	3846877.25	1.43E-05	1.75E-05	1.53E-05	4.94E-09	1.49E-08	8.64E-09	1.06E-08	9.59E-09	4.38E-09	3.84E-09	0.00E+00	0.00E+00	1.59E-09	3.59E-10	2.28E-09	3.51E-10	2.97E-10	4.87E-09
3183	477863.09	3846877.25	1.24E-05	1.52E-05	1.33E-05	4.30E-09	1.30E-08	7.51E-09	9.20E-09	8.34E-09	3.80E-09	3.34E-09	0.00E+00	0.00E+00	1.38E-09	3.12E-10	1.98E-09	3.06E-10	2.58E-10	4.24E-09

3184	478363.09	3846877.25	1.05E-05	1.29E-05	1.13E-05	3.65E-09	1.10E-08	6.38E-09	7.81E-09	7.08E-09	3.23E-09	2.83E-09	0.00E+00	0.00E+00	1.17E-09	2.65E-10	1.68E-09	2.60E-10	2.19E-10	3.60E-09
3185	478863.09	3846877.25	1.01E-05	1.24E-05	1.09E-05	3.51E-09	1.06E-08	6.13E-09	7.51E-09	6.81E-09	3.11E-09	2.73E-09	0.00E+00	0.00E+00	1.13E-09	2.55E-10	1.62E-09	2.49E-10	2.11E-10	3.46E-09
3186	479363.09	3846877.25	9.73E-06	1.19E-05	1.04E-05	3.37E-09	1.02E-08	5.88E-09	7.21E-09	6.53E-09	2.98E-09	2.62E-09	0.00E+00	0.00E+00	1.08E-09	2.45E-10	1.55E-09	2.39E-10	2.02E-10	3.32E-09
3187	479863.09	3846877.25	7.59E-06	9.30E-06	8.15E-06	2.63E-09	7.93E-09	4.59E-09	5.63E-09	5.10E-09	2.33E-09	2.04E-09	0.00E+00	0.00E+00	8.45E-10	1.91E-10	1.21E-09	1.87E-10	1.58E-10	2.59E-09
3188	480363.09	3846877.25	6.38E-06	7.82E-06	6.86E-06	2.21E-09	6.67E-09	3.86E-09	4.73E-09	4.29E-09	1.96E-09	1.72E-09	0.00E+00	0.00E+00	7.11E-10	1.61E-10	1.02E-09	1.57E-10	1.33E-10	2.18E-09
3189	480863.09	3846877.25	5.78E-06	7.08E-06	6.21E-06	2.00E-09	6.04E-09	3.50E-09	4.29E-09	3.89E-09	1.77E-09	1.56E-09	0.00E+00	0.00E+00	6.44E-10	1.45E-10	9.23E-10	1.42E-10	1.20E-10	1.98E-09
3190	481363.09	3846877.25	5.87E-06	7.19E-06	6.31E-06	2.03E-09	6.14E-09	3.55E-09	4.35E-09	3.95E-09	1.80E-09	1.58E-09	0.00E+00	0.00E+00	6.54E-10	1.48E-10	9.37E-10	1.45E-10	1.22E-10	2.01E-09
3191	481863.09	3846877.25	5.62E-06	6.89E-06	6.04E-06	1.95E-09	5.88E-09	3.40E-09	4.17E-09	3.78E-09	1.72E-09	1.51E-09	0.00E+00	0.00E+00	6.26E-10	1.41E-10	8.97E-10	1.38E-10	1.17E-10	1.92E-09
3192	482363.09	3846877.25	4.63E-06	5.67E-06	4.98E-06	1.60E-09	4.84E-09	2.80E-09	3.43E-09	3.11E-09	1.42E-09	1.25E-09	0.00E+00	0.00E+00	5.16E-10	1.17E-10	7.40E-10	1.14E-10	9.65E-11	1.58E-09
3193	482863.09	3846877.25	4.52E-06	5.53E-06	4.85E-06	1.56E-09	4.72E-09	2.73E-09	3.35E-09	3.03E-09	1.38E-09	1.21E-09	0.00E+00	0.00E+00	5.03E-10	1.14E-10	7.21E-10	1.11E-10	9.40E-11	1.54E-09
3194	483363.09	3846877.25	4.44E-06	5.44E-06	4.77E-06	1.54E-09	4.64E-09	2.69E-09	3.29E-09	2.99E-09	1.36E-09	1.19E-09	0.00E+00	0.00E+00	4.95E-10	1.12E-10	7.09E-10	1.09E-10	9.25E-11	1.52E-09
3195	483863.09	3846877.25	4.22E-06	5.17E-06	4.53E-06	1.46E-09	4.41E-09	2.55E-09	3.13E-09	2.84E-09	1.29E-09	1.13E-09	0.00E+00	0.00E+00	4.70E-10	1.06E-10	6.74E-10	1.04E-10	8.79E-11	1.44E-09
3196	484363.09	3846877.25	4.07E-06	4.98E-06	4.37E-06	1.41E-09	4.25E-09	2.46E-09	3.02E-09	2.73E-09	1.25E-09	1.09E-09	0.00E+00	0.00E+00	4.53E-10	1.02E-10	6.50E-10	1.00E-10	8.47E-11	1.39E-09
3197	484863.09	3846877.25	3.90E-06	4.78E-06	4.19E-06	1.35E-09	4.08E-09	2.36E-09	2.89E-09	2.62E-09	1.20E-09	1.05E-09	0.00E+00	0.00E+00	4.34E-10	9.82E-11	6.23E-10	9.61E-11	8.13E-11	1.33E-09
3198	485363.09	3846877.25	3.83E-06	4.69E-06	4.11E-06	1.33E-09	4.00E-09	2.32E-09	2.84E-09	2.57E-09	1.17E-09	1.03E-09	0.00E+00	0.00E+00	4.26E-10	9.63E-11	6.11E-10	9.43E-11	7.97E-11	1.31E-09
3199	485863.09	3846877.25	3.50E-06	4.29E-06	3.76E-06	1.21E-09	3.66E-09	2.12E-09	2.60E-09	2.35E-09	1.07E-09	9.42E-10	0.00E+00	0.00E+00	3.90E-10	8.82E-11	5.59E-10	8.63E-11	7.29E-11	1.20E-09
3200	486363.09	3846877.25	3.53E-06	4.33E-06	3.80E-06	1.22E-09	3.69E-09	2.14E-09	2.62E-09	2.37E-09	1.08E-09	9.50E-10	0.00E+00	0.00E+00	3.93E-10	8.89E-11	5.64E-10	8.70E-11	7.36E-11	1.21E-09
3201	486863.09	3846877.25	3.09E-06	3.79E-06	3.32E-06	1.07E-09	3.23E-09	1.87E-09	2.29E-09	2.08E-09	9.48E-10	8.31E-10	0.00E+00	0.00E+00	3.44E-10	7.78E-11	4.93E-10	7.61E-11	6.43E-11	1.06E-09
3202	487363.09	3846877.25	3.11E-06	3.82E-06	3.35E-06	1.08E-09	3.26E-09	1.88E-09	2.31E-09	2.09E-09	9.55E-10	8.37E-10	0.00E+00	0.00E+00	3.47E-10	7.84E-11	4.97E-10	7.67E-11	6.48E-11	1.06E-09
3203	487863.09	3846877.25	3.01E-06	3.69E-06	3.23E-06	1.04E-09	3.15E-09	1.82E-09	2.23E-09	2.02E-09	9.23E-10	8.09E-10	0.00E+00	0.00E+00	3.35E-10	7.57E-11	4.80E-10	7.41E-11	6.26E-11	1.03E-09
3204	488363.09	3846877.25	2.91E-06	3.57E-06	3.13E-06	1.01E-09	3.04E-09	1.76E-09	2.16E-09	1.96E-09	8.93E-10	7.83E-10	0.00E+00	0.00E+00	3.24E-10	7.33E-11	4.65E-10	7.17E-11	6.06E-11	9.94E-10
3205	488863.09	3846877.25	2.91E-06	3.57E-06	3.13E-06	1.01E-09	3.04E-09	1.76E-09	2.16E-09	1.96E-09	8.93E-10	7.83E-10	0.00E+00	0.00E+00	3.24E-10	7.33E-11	4.65E-10	7.17E-11	6.06E-11	9.95E-10
3206	489363.09	3846877.25	2.89E-06	3.53E-06	3.10E-06	9.99E-10	3.02E-09	1.75E-09	2.14E-09	1.94E-09	8.85E-10	7.76E-10	0.00E+00	0.00E+00	3.21E-10	7.26E-11	4.61E-10	7.10E-11	6.01E-11	9.86E-10
3207	489863.09	3846877.25	2.82E-06	3.45E-06	3.03E-06	9.75E-10	2.95E-09	1.70E-09	2.09E-09	1.89E-09	8.64E-10	7.57E-10	0.00E+00	0.00E+00	3.14E-10	7.09E-11	4.50E-10	6.94E-11	5.86E-11	9.62E-10
3208	490363.09	3846877.25	2.59E-06	3.18E-06	2.78E-06	8.97E-10	2.71E-09	1.57E-09	1.92E-09	1.74E-09	7.95E-10	6.96E-10	0.00E+00	0.00E+00	2.89E-10	6.52E-11	4.14E-10	6.38E-11	5.39E-11	8.85E-10
3209	490863.09	3846877.25	2.60E-06	3.18E-06	2.79E-06	9.00E-10	2.72E-09	1.57E-09	1.93E-09	1.75E-09	7.97E-10	6.98E-10	0.00E+00	0.00E+00	2.89E-10	6.54E-11	4.15E-10	6.40E-11	5.41E-11	8.88E-10
3210	491363.09	3846877.25	2.67E-06	3.27E-06	2.87E-06	9.25E-10	2.79E-09	1.62E-09	1.98E-09	1.80E-09	8.19E-10	7.18E-10	0.00E+00	0.00E+00	2.98E-10	6.72E-11	4.27E-10	6.58E-11	5.56E-11	9.13E-10
3211	491863.09	3846877.25	2.66E-06	3.26E-06	2.86E-06	9.22E-10	2.78E-09	1.61E-09	1.97E-09	1.79E-09	8.17E-10	7.16E-10	0.00E+00	0.00E+00	2.97E-10	6.70E-11	4.25E-10	6.56E-11	5.54E-11	9.10E-10
3212	492363.09	3846877.25	3.04E-06	3.72E-06	3.26E-06	1.05E-09	3.18E-09	1.84E-09	2.25E-09	2.04E-09	9.32E-10	8.17E-10	0.00E+00	0.00E+00	3.38E-10	7.64E-11	4.85E-10	7.48E-11	6.32E-11	1.04E-09
3213	492863.09	3846877.25	3.22E-06	3.94E-06	3.45E-06	1.11E-09	3.36E-09	1.95E-09	2.38E-09	2.16E-09	9.86E-10	8.64E-10	0.00E+00	0.00E+00	3.58E-10	8.09E-11	5.13E-10	7.92E-11	6.69E-11	1.10E-09
3214	493363.09	3846877.25	3.49E-06	4.27E-06	3.75E-06	1.21E-09	3.64E-09	2.11E-09	2.58E-09	2.34E-09	1.07E-09	9.37E-10	0.00E+00	0.00E+00	3.88E-10	8.77E-11	5.57E-10	8.58E-11	7.26E-11	1.19E-09
3215	493863.09	3846877.25	3.72E-06	4.56E-06	4.00E-06	1.29E-09	3.89E-09	2.25E-09	2.76E-09	2.50E-09	1.14E-09	1.00E-09	0.00E+00	0.00E+00	4.14E-10	9.37E-11	5.94E-10	9.16E-11	7.75E-11	1.27E-09
3216	494363.09	3846877.25	3.92E-06	4.80E-06	4.21E-06	1.36E-09	4.10E-09	2.37E-09	2.90E-09	2.63E-09	1.20E-09	1.05E-09	0.00E+00	0.00E+00	4.36E-10	9.86E-11	6.25E-10	9.64E-11	8.15E-11	1.34E-09
3217	494863.09	3846877.25	4.20E-06	5.14E-06	4.51E-06	1.45E-09	4.39E-09	2.54E-09	3.11E-09	2.82E-09	1.29E-09	1.13E-09	0.00E+00	0.00E+00	4.67E-10	1.06E-10	6.70E-10	1.03E-10	8.73E-11	1.43E-09
3218	495363.09	3846877.25	4.47E-06	5.47E-06	4.79E-06	1.55E-09	4.67E-09	2.70E-09	3.31E-09	3.00E-09	1.37E-09	1.20E-09	0.00E+00	0.00E+00	4.97E-10	1.12E-10	7.13E-10	1.10E-10	9.29E-11	1.53E-09
3219	495863.09	3846877.25	4.77E-06	5.84E-06	5.12E-06	1.65E-09	4.98E-09	2.88E-09	3.53E-09	3.20E-09	1.46E-09	1.28E-09	0.00E+00	0.00E+00	5.31E-10	1.20E-10	7.61E-10	1.17E-10	9.92E-11	1.63E-09
3220	496363.09	3846877.25	5.10E-06	6.25E-06	5.47E-06	1.77E-09	5.33E-09	3.09E-09	3.78E-09	3.43E-09	1.56E-09	1.37E-09	0.00E+00	0.00E+00	5.68E-10	1.28E-10	8.14E-10	1.26E-10	1.06E-10	1.74E-09
3221	496863.09	3846877.25	5.51E-06	6.75E-06	5.92E-06	1.91E-09	5.76E-09	3.34E-09	4.09E-09	3.70E-09	1.69E-09	1.48E-09	0.00E+00	0.00E+00	6.14E-10	1.39E-10	8.80E-10	1.36E-10	1.15E-10	1.88E-09
3222	497363.09	3846877.25	6.07E-06	7.43E-06	6.51E-06	2.10E-09	6.34E-09	3.67E-09	4.50E-09	4.08E-09	1.86E-09	1.63E-09	0.00E+00	0.00E+00	6.75E-10	1.53E-10	9.68E-10	1.49E-10	1.26E-10	2.07E-09
3223	497863.09	3846877.25	6.58E-06	8.06E-06	7.06E-06	2.28E-09	6.88E-09	3.98E-09	4.88E-09	4.42E-09	2.02E-09	1.77E-09	0.00E+00	0.00E+00	7.33E-10	1.66E-10	1.05E-09	1.62E-10	1.37E-10	2.25E-09
3224	498363.09	3846877.25	6.84E-06	8.37E-06	7.34E-06	2.37E-09	7.14E-09	4.14E-09	5.07E-09	4.59E-09	2.10E-09	1.84E-09	0.00E+00	0.00E+00	7.61E-10	1.72E-10	1.09E-09	1.68E-10	1.42E-10	2.33E-09
3225	471363.09	3847377.25	1.25E-05	1.53E-05	1.34E-05	4.33E-09	1.31E-08	7.57E-09	9.27E-09	8.41E-09	3.84E-09	3.36E-09	0.00E+00	0.00E+00	1.39E-09	3.15E-10	2.00E-09	3.08E-10	2.60E-10	4.27E-09
3226	471863.09	3847377.25	1.27E-05	1.56E-05	1.37E-05	4.41E-09	1.33E-08	7.71E-09	9.44E-09	8.56E-09	3.91E-09	3.43E-09	0.00E+00	0.00E+00	1.42E-09	3.21E-10	2.03E-09	3.14E-10	2.65E-10	4.35E-09
3227	472363.09	3847377.25	1.29E-05	1.58E-05	1.39E-05	4.47E-09	1.35E-08	7.81E-09	9.57E-09	8.68E-09	3.96E-09	3.47E-09	0.00E+00	0.00E+00	1.44E-09	3.25E-10	2.06E-09	3.18E-10	2.69E-10	4.41E-09
3228	472863.09	3847377.25	1.26E-05	1.54E-05	1.35E-05	4.35E-09	1.31E-08	7.60E-09	9.31E-09	8.44E-09	3.85E-09	3.38E-09	0.00E+00	0.00E+00	1.40E-09	3.16E-10	2.00E-09	3.09E-10	2.61E-10	4.29E-09
3229	473363.09	3847377.25	1.05E-05	1.29E-05	1.13E-05	3.65E-09	1.10E-08	6.38E-09	7.82E-09	7.09E-09	3.23E-09	2.84E-09	0.00E+00	0.00E+00	1.17E-09	2.65E-10	1.68E-09	2.60E-10	2.20E-10	3.60E-09
3230	473863.09	3847377.25	1.04E-05	1.28E-05	1.12E-05	3.61E-09	1.09E-08	6.31E-09	7.73E-09	7.01E-09	3.20E-09	2.80E-09	0.00E+00	0.00E+00	1.16E-09	2.62E-10	1.66E-09	2.57E-10	2.17E-10	3.56E-09
3231	474363.09	3847377.25	1.08E-05	1.33E-05	1.16E-05	3.75E-09	1.13E-08	6.56E-09	8.03E-09	7.28E-09	3.32E-09	2.91E-09	0.00E+00	0.00E+00	1.21E-09	2.73E-10	1.73E-09	2.67E-10	2.26E-10	3.70E-09
3232	474863.09	3847377.25	1.00E-05	1.23E-05	1.08E-05	3.47E-09	1.05E-08	6.07E-09	7.43E-09	6.74E-09	3.07E-09	2.70E-09	0.00E+00	0.00E+00	1.12E-09	2.52E-10	1.60E-09	2.47E-10	2.09E-10	3.42E-09
3233	475363.09	3847377.25	9.45E-06	1.16E-05	1.02E-05	3.27E-09	9.88E-09	5.72E-09	7.01E-09	6.35E-09	2.90E-09	2.54E-09	0.00E+00	0.00E+00	1.05E-09	2.38E-10	1.51E-09	2.33E-10	1.97E-10	3.23E-09
3234	475863.09	3847377.25	1.12E-05	1.37E-05	1.20E-05	3.87E-09	1.17E-08	6.76E-09	8.28E-09	7.50E-09	3.42E-09	3.00E-09	0.00E+00	0.00E+00	1.24E-09	2.81E-10	1.78E-09	2.75E-10	2.32E-10	3.81E-09
3235	476363.09	3847377.25	1.48E-05	1.81E-05	1.59E-05	5.12E-09	1.54E-08	8.94E-09	1.10E-08	9.93E-09	4.53E-09	3.97E-09	0.00E+00	0.00E+00	1.65E-09	3.72E-10	2.36E-09	3.64E-10	3.08E-10	5.05E-09
3236	476863.09	3847377.25	1.70E-05	2.08E-05	1.82E-05	5.88E-09	1.77E-08	1.03E-08	1.26E-08	1.14E-08	5.21E-09	4.56E-09	0.00E+00	0.00E+00	1.89E-09	4.27E-10	2.71E-09	4.18E-10	3.53E-10	5.80E-09
3237	477363.09	3847377.25	1.74E-05	2.13E-05	1.87E-05	6.03E-09	1.82E-08	1.05E-08	1.29E-08	1.17E-08	5.34E-09	4.68E-09	0.00E+00	0.00E+00	1.94E-09	4.38E-10	2.78E-09	4.29E-10	3.63E-10	5.95E-09
3238	477863.09	3847377.25	1.58E-05	1.93E-05	1.69E-05	5.46E-09	1.65E-08	9.55E-09	1.17E-08	1.06E-08	4.84E-09	4.24E-09	0.00E+00	0.00E+00	1.76E-09	3.97E-10	2.52E-09	3.88E-10	3.28E-10	5.39E-09
3239	478363.09	3847377.25	1.40E-05	1.71E-05	1.50E-05	4.83E-09	1.46E-08	8.44E-09	1.03E-08	9.37E-09	4.28E-09	3.75E-09	0.00E+00	0.00E+00	1.55E-09	3.51E-10	2.23E-09	3.43E-10	2.90E-10	4.76E-09
3240	478863.09	3847377.25	1.24E-05	1.52E-05	1.33E-05	4.28E-09	1.29E-08	7.49E-09	9.17E-09	8.31E-09	3.79E-09	3.32E-09	0.00E+00	0.00E+00	1.38E-09	3.11E-10	1.97E-09	3.05E-10	2.57E-10	4.23E-09
3241	479363.09	3847377.25	9.93E-06	1.22E-05	1.07E-05	3.44E-09	1.04E-08	6.01E-09	7.36E-09	6.67E-09	3.04E-09	2.67E-09	0.00E+00	0.00E+00	1.11E-09	2.50E-10	1.58E-09	2.44E-10	2.07E-10	3.39E-09

3242	479863.09	3847377.25	7.38E-06	9.05E-06	7.93E-06	2.56E-09	7.72E-09	4.47E-09	5.47E-09	4.96E-09	2.26E-09	1.99E-09	0.00E+00	0.00E+00	8.22E-10	1.86E-10	1.18E-09	1.82E-10	1.54E-10	2.52E-09
3243	480363.09	3847377.25	5.05E-06	6.18E-06	5.42E-06	1.75E-09	5.28E-09	3.05E-09	3.74E-09	3.39E-09	1.55E-09	1.36E-09	0.00E+00	0.00E+00	5.62E-10	1.27E-10	8.06E-10	1.24E-10	1.05E-10	1.72E-09
3244	480863.09	3847377.25	4.48E-06	5.49E-06	4.81E-06	1.55E-09	4.68E-09	2.71E-09	3.32E-09	3.01E-09	1.37E-09	1.20E-09	0.00E+00	0.00E+00	4.99E-10	1.13E-10	7.15E-10	1.10E-10	9.33E-11	1.53E-09
3245	481363.09	3847377.25	4.91E-06	6.01E-06	5.27E-06	1.70E-09	5.13E-09	2.97E-09	3.64E-09	3.30E-09	1.51E-09	1.32E-09	0.00E+00	0.00E+00	5.47E-10	1.24E-10	7.84E-10	1.21E-10	1.02E-10	1.68E-09
3246	481863.09	3847377.25	6.22E-06	7.62E-06	6.68E-06	2.15E-09	6.50E-09	3.77E-09	4.61E-09	4.18E-09	1.91E-09	1.67E-09	0.00E+00	0.00E+00	6.93E-10	1.57E-10	9.93E-10	1.53E-10	1.30E-10	2.13E-09
3247	482363.09	3847377.25	5.79E-06	7.09E-06	6.22E-06	2.00E-09	6.05E-09	3.50E-09	4.29E-09	3.89E-09	1.77E-09	1.56E-09	0.00E+00	0.00E+00	6.44E-10	1.46E-10	9.24E-10	1.42E-10	1.20E-10	1.98E-09
3248	482863.09	3847377.25	5.28E-06	6.46E-06	5.67E-06	1.83E-09	5.52E-09	3.19E-09	3.91E-09	3.55E-09	1.62E-09	1.42E-09	0.00E+00	0.00E+00	5.87E-10	1.33E-10	8.42E-10	1.30E-10	1.10E-10	1.80E-09
3249	483363.09	3847377.25	5.02E-06	6.14E-06	5.39E-06	1.74E-09	5.24E-09	3.03E-09	3.72E-09	3.37E-09	1.54E-09	1.35E-09	0.00E+00	0.00E+00	5.58E-10	1.26E-10	8.01E-10	1.23E-10	1.04E-10	1.71E-09
3250	483863.09	3847377.25	4.82E-06	5.91E-06	5.18E-06	1.67E-09	5.04E-09	2.92E-09	3.57E-09	3.24E-09	1.48E-09	1.30E-09	0.00E+00	0.00E+00	5.37E-10	1.21E-10	7.70E-10	1.19E-10	1.00E-10	1.65E-09
3251	484363.09	3847377.25	4.92E-06	6.02E-06	5.28E-06	1.70E-09	5.14E-09	2.97E-09	3.64E-09	3.30E-09	1.51E-09	1.32E-09	0.00E+00	0.00E+00	5.47E-10	1.24E-10	7.85E-10	1.21E-10	1.02E-10	1.68E-09
3252	484863.09	3847377.25	4.61E-06	5.65E-06	4.95E-06	1.60E-09	4.82E-09	2.79E-09	3.42E-09	3.10E-09	1.41E-09	1.24E-09	0.00E+00	0.00E+00	5.13E-10	1.16E-10	7.36E-10	1.13E-10	9.60E-11	1.57E-09
3253	485363.09	3847377.25	4.43E-06	5.43E-06	4.76E-06	1.53E-09	4.63E-09	2.68E-09	3.29E-09	2.98E-09	1.36E-09	1.19E-09	0.00E+00	0.00E+00	4.94E-10	1.12E-10	7.08E-10	1.09E-10	9.23E-11	1.51E-09
3254	485863.09	3847377.25	4.27E-06	5.23E-06	4.59E-06	1.48E-09	4.46E-09	2.58E-09	3.16E-09	2.87E-09	1.31E-09	1.15E-09	0.00E+00	0.00E+00	4.75E-10	1.07E-10	6.82E-10	1.05E-10	8.89E-11	1.46E-09
3255	486363.09	3847377.25	4.18E-06	5.13E-06	4.50E-06	1.45E-09	4.37E-09	2.53E-09	3.10E-09	2.81E-09	1.28E-09	1.13E-09	0.00E+00	0.00E+00	4.66E-10	1.05E-10	6.68E-10	1.03E-10	8.71E-11	1.43E-09
3256	486863.09	3847377.25	3.76E-06	4.60E-06	4.04E-06	1.30E-09	3.93E-09	2.27E-09	2.79E-09	2.52E-09	1.15E-09	1.01E-09	0.00E+00	0.00E+00	4.18E-10	9.45E-11	6.00E-10	9.25E-11	7.82E-11	1.28E-09
3257	487363.09	3847377.25	3.72E-06	4.56E-06	4.00E-06	1.29E-09	3.89E-09	2.25E-09	2.76E-09	2.50E-09	1.14E-09	1.00E-09	0.00E+00	0.00E+00	4.14E-10	9.36E-11	5.94E-10	9.16E-11	7.75E-11	1.27E-09
3258	487863.09	3847377.25	3.42E-06	4.19E-06	3.67E-06	1.18E-09	3.57E-09	2.07E-09	2.53E-09	2.30E-09	1.05E-09	9.19E-10	0.00E+00	0.00E+00	3.80E-10	8.60E-11	5.46E-10	8.41E-11	7.12E-11	1.17E-09
3259	488363.09	3847377.25	3.35E-06	4.10E-06	3.59E-06	1.16E-09	3.50E-09	2.02E-09	2.48E-09	2.25E-09	1.03E-09	8.99E-10	0.00E+00	0.00E+00	3.72E-10	8.42E-11	5.34E-10	8.23E-11	6.96E-11	1.14E-09
3260	488863.09	3847377.25	3.30E-06	4.04E-06	3.54E-06	1.14E-09	3.45E-09	2.00E-09	2.45E-09	2.22E-09	1.01E-09	8.87E-10	0.00E+00	0.00E+00	3.67E-10	8.30E-11	5.27E-10	8.12E-11	6.87E-11	1.13E-09
3261	489363.09	3847377.25	3.30E-06	4.04E-06	3.54E-06	1.14E-09	3.45E-09	2.00E-09	2.45E-09	2.22E-09	1.01E-09	8.87E-10	0.00E+00	0.00E+00	3.67E-10	8.30E-11	5.27E-10	8.12E-11	6.87E-11	1.13E-09
3262	489863.09	3847377.25	3.18E-06	3.89E-06	3.41E-06	1.10E-09	3.32E-09	1.92E-09	2.35E-09	2.13E-09	9.74E-10	8.54E-10	0.00E+00	0.00E+00	3.54E-10	7.99E-11	5.07E-10	7.82E-11	6.61E-11	1.08E-09
3263	490363.09	3847377.25	3.11E-06	3.81E-06	3.34E-06	1.08E-09	3.25E-09	1.88E-09	2.31E-09	2.09E-09	9.54E-10	8.36E-10	0.00E+00	0.00E+00	3.47E-10	7.83E-11	4.97E-10	7.66E-11	6.47E-11	1.06E-09
3264	490863.09	3847377.25	3.17E-06	3.88E-06	3.40E-06	1.10E-09	3.31E-09	1.92E-09	2.35E-09	2.13E-09	9.72E-10	8.51E-10	0.00E+00	0.00E+00	3.53E-10	7.97E-11	5.06E-10	7.80E-11	6.59E-11	1.08E-09
3265	491363.09	3847377.25	3.20E-06	3.92E-06	3.43E-06	1.11E-09	3.34E-09	1.94E-09	2.37E-09	2.15E-09	9.81E-10	8.60E-10	0.00E+00	0.00E+00	3.56E-10	8.05E-11	5.11E-10	7.87E-11	6.66E-11	1.09E-09
3266	491863.09	3847377.25	3.49E-06	4.27E-06	3.75E-06	1.21E-09	3.65E-09	2.11E-09	2.59E-09	2.34E-09	1.07E-09	9.38E-10	0.00E+00	0.00E+00	3.88E-10	8.78E-11	5.57E-10	8.59E-11	7.26E-11	1.19E-09
3267	492363.09	3847377.25	3.57E-06	4.37E-06	3.83E-06	1.24E-09	3.73E-09	2.16E-09	2.65E-09	2.40E-09	1.09E-09	9.60E-10	0.00E+00	0.00E+00	3.98E-10	8.98E-11	5.70E-10	8.79E-11	7.43E-11	1.22E-09
3268	492863.09	3847377.25	3.84E-06	4.71E-06	4.13E-06	1.33E-09	4.02E-09	2.33E-09	2.85E-09	2.58E-09	1.18E-09	1.03E-09	0.00E+00	0.00E+00	4.28E-10	9.67E-11	6.13E-10	9.46E-11	8.00E-11	1.31E-09
3269	493363.09	3847377.25	4.06E-06	4.97E-06	4.36E-06	1.40E-09	4.24E-09	2.45E-09	3.01E-09	2.72E-09	1.24E-09	1.09E-09	0.00E+00	0.00E+00	4.51E-10	1.02E-10	6.47E-10	9.98E-11	8.44E-11	1.39E-09
3270	493863.09	3847377.25	4.19E-06	5.14E-06	4.50E-06	1.45E-09	4.38E-09	2.54E-09	3.11E-09	2.82E-09	1.29E-09	1.13E-09	0.00E+00	0.00E+00	4.67E-10	1.05E-10	6.69E-10	1.03E-10	8.73E-11	1.43E-09
3271	494363.09	3847377.25	4.35E-06	5.33E-06	4.68E-06	1.51E-09	4.55E-09	2.63E-09	3.23E-09	2.93E-09	1.33E-09	1.17E-09	0.00E+00	0.00E+00	4.85E-10	1.10E-10	6.95E-10	1.07E-10	9.06E-11	1.49E-09
3272	494863.09	3847377.25	4.61E-06	5.64E-06	4.94E-06	1.59E-09	4.81E-09	2.79E-09	3.41E-09	3.09E-09	1.41E-09	1.24E-09	0.00E+00	0.00E+00	5.13E-10	1.16E-10	7.35E-10	1.13E-10	9.58E-11	1.57E-09
3273	495363.09	3847377.25	4.89E-06	5.99E-06	5.25E-06	1.69E-09	5.11E-09	2.96E-09	3.62E-09	3.28E-09	1.50E-09	1.31E-09	0.00E+00	0.00E+00	5.44E-10	1.23E-10	7.80E-10	1.20E-10	1.02E-10	1.67E-09
3274	495863.09	3847377.25	5.22E-06	6.40E-06	5.60E-06	1.81E-09	5.46E-09	3.16E-09	3.87E-09	3.51E-09	1.60E-09	1.40E-09	0.00E+00	0.00E+00	5.81E-10	1.31E-10	8.33E-10	1.29E-10	1.09E-10	1.78E-09
3275	496363.09	3847377.25	5.55E-06	6.80E-06	5.96E-06	1.92E-09	5.80E-09	3.36E-09	4.12E-09	3.73E-09	1.70E-09	1.49E-09	0.00E+00	0.00E+00	6.18E-10	1.40E-10	8.87E-10	1.37E-10	1.16E-10	1.90E-09
3276	496863.09	3847377.25	6.09E-06	7.46E-06	6.53E-06	2.11E-09	6.36E-09	3.68E-09	4.51E-09	4.09E-09	1.87E-09	1.64E-09	0.00E+00	0.00E+00	6.78E-10	1.53E-10	9.72E-10	1.50E-10	1.27E-10	2.08E-09
3277	497363.09	3847377.25	6.82E-06	8.35E-06	7.32E-06	2.36E-09	7.13E-09	4.13E-09	5.05E-09	4.58E-09	2.09E-09	1.83E-09	0.00E+00	0.00E+00	7.59E-10	1.72E-10	1.09E-09	1.68E-10	1.42E-10	2.33E-09
3278	497863.09	3847377.25	7.68E-06	9.41E-06	8.25E-06	2.66E-09	8.03E-09	4.65E-09	5.69E-09	5.16E-09	2.36E-09	2.06E-09	0.00E+00	0.00E+00	8.55E-10	1.93E-10	1.23E-09	1.89E-10	1.60E-10	2.62E-09
3279	498363.09	3847377.25	8.09E-06	9.92E-06	8.69E-06	2.80E-09	8.46E-09	4.90E-09	6.00E-09	5.44E-09	2.48E-09	2.18E-09	0.00E+00	0.00E+00	9.01E-10	2.04E-10	1.29E-09	1.99E-10	1.68E-10	2.76E-09
3280	471363.09	3847877.25	1.34E-05	1.64E-05	1.44E-05	4.65E-09	1.40E-08	8.12E-09	9.95E-09	9.02E-09	4.11E-09	3.61E-09	0.00E+00	0.00E+00	1.49E-09	3.38E-10	2.14E-09	3.30E-10	2.79E-10	4.58E-09
3281	471863.09	3847877.25	1.38E-05	1.69E-05	1.48E-05	4.77E-09	1.44E-08	8.33E-09	1.02E-08	9.25E-09	4.22E-09	3.70E-09	0.00E+00	0.00E+00	1.53E-09	3.46E-10	2.20E-09	3.39E-10	2.87E-10	4.70E-09
3282	472363.09	3847877.25	1.40E-05	1.72E-05	1.51E-05	4.85E-09	1.47E-08	8.48E-09	1.04E-08	9.42E-09	4.30E-09	3.77E-09	0.00E+00	0.00E+00	1.56E-09	3.53E-10	2.24E-09	3.45E-10	2.92E-10	4.79E-09
3283	472863.09	3847877.25	1.42E-05	1.74E-05	1.52E-05	4.91E-09	1.48E-08	8.59E-09	1.05E-08	9.53E-09	4.35E-09	3.82E-09	0.00E+00	0.00E+00	1.58E-09	3.57E-10	2.27E-09	3.49E-10	2.95E-10	4.85E-09
3284	473363.09	3847877.25	1.44E-05	1.76E-05	1.54E-05	4.98E-09	1.50E-08	8.70E-09	1.07E-08	9.66E-09	4.41E-09	3.87E-09	0.00E+00	0.00E+00	1.60E-09	3.62E-10	2.30E-09	3.54E-10	2.99E-10	4.91E-09
3285	473863.09	3847877.25	1.38E-05	1.69E-05	1.48E-05	4.78E-09	1.44E-08	8.36E-09	1.02E-08	9.28E-09	4.24E-09	3.71E-09	0.00E+00	0.00E+00	1.54E-09	3.48E-10	2.21E-09	3.40E-10	2.88E-10	4.72E-09
3286	474363.09	3847877.25	1.21E-05	1.48E-05	1.30E-05	4.17E-09	1.26E-08	7.30E-09	8.94E-09	8.10E-09	3.70E-09	3.24E-09	0.00E+00	0.00E+00	1.34E-09	3.03E-10	1.92E-09	2.97E-10	2.51E-10	4.12E-09
3287	474863.09	3847877.25	1.25E-05	1.53E-05	1.34E-05	4.32E-09	1.30E-08	7.55E-09	9.25E-09	8.39E-09	3.83E-09	3.36E-09	0.00E+00	0.00E+00	1.39E-09	3.14E-10	1.99E-09	3.07E-10	2.60E-10	4.26E-09
3288	475363.09	3847877.25	1.14E-05	1.40E-05	1.23E-05	3.96E-09	1.20E-08	6.92E-09	8.48E-09	7.69E-09	3.51E-09	3.08E-09	0.00E+00	0.00E+00	1.27E-09	2.88E-10	1.83E-09	2.82E-10	2.38E-10	3.91E-09
3289	475863.09	3847877.25	1.06E-05	1.29E-05	1.13E-05	3.65E-09	1.10E-08	6.39E-09	7.82E-09	7.09E-09	3.24E-09	2.84E-09	0.00E+00	0.00E+00	1.17E-09	2.65E-10	1.68E-09	2.60E-10	2.20E-10	3.60E-09
3290	476363.09	3847877.25	1.32E-05	1.62E-05	1.42E-05	4.57E-09	1.38E-08	7.99E-09	9.79E-09	8.87E-09	4.05E-09	3.55E-09	0.00E+00	0.00E+00	1.47E-09	3.32E-10	2.11E-09	3.25E-10	2.75E-10	4.51E-09
3291	476863.09	3847877.25	1.64E-05	2.01E-05	1.77E-05	5.69E-09	1.72E-08	9.94E-09	1.22E-08	1.10E-08	5.04E-09	4.42E-09	0.00E+00	0.00E+00	1.83E-09	4.13E-10	2.62E-09	4.05E-10	3.42E-10	5.61E-09
3292	477363.09	3847877.25	1.94E-05	2.38E-05	2.09E-05	6.73E-09	2.03E-08	1.18E-08	1.44E-08	1.31E-08	5.96E-09	5.23E-09	0.00E+00	0.00E+00	2.16E-09	4.89E-10	3.10E-09	4.79E-10	4.05E-10	6.64E-09
3293	477863.09	3847877.25	1.97E-05	2.41E-05	2.11E-05	6.81E-09	2.06E-08	1.19E-08	1.46E-08	1.32E-08	6.03E-09	5.29E-09	0.00E+00	0.00E+00	2.19E-09	4.95E-10	3.14E-09	4.84E-10	4.09E-10	6.72E-09
3294	478363.09	3847877.25	1.78E-05	2.18E-05	1.92E-05	6.17E-09	1.86E-08	1.08E-08	1.32E-08	1.20E-08	5.47E-09	4.79E-09	0.00E+00	0.00E+00	1.98E-09	4.49E-10	2.85E-09	4.39E-10	3.71E-10	6.09E-09
3295	478863.09	3847877.25	1.54E-05	1.89E-05	1.65E-05	5.33E-09	1.61E-08	9.32E-09	1.14E-08	1.04E-08	4.72E-09	4.14E-09	0.00E+00	0.00E+00	1.71E-09	3.88E-10	2.46E-09	3.79E-10	3.21E-10	5.26E-09
3296	479363.09	3847877.25	1.03E-05	1.26E-05	1.10E-05	3.56E-09	1.07E-08	6.22E-09	7.62E-09	6.91E-09	3.15E-09	2.76E-09	0.00E+00	0.00E+00	1.14E-09	2.59E-10	1.64E-09	2.53E-10	2.14E-10	3.51E-09
3297	479863.09	3847877.25	5.97E-06	7.31E-06	6.42E-06	2.07E-09	6.24E-09	3.61E-09	4.43E-09	4.01E-09	1.83E-09	1.61E-09	0.00E+00	0.00E+00	6.65E-10	1.50E-10	9.53E-10	1.47E-10	1.24E-10	2.04E-09
3298	480363.09	3847877.25	6.17E-06	7.56E-06	6.63E-06	2.14E-09	6.45E-09	3.73E-09	4.57E-09	4.15E-09	1.89E-09	1.66E-09	0.00E+00	0.00E+00	6.87E-10	1.55E-10	9.85E-10	1.52E-10	1.28E-10	2.11E-09
3299	480863.09	3847877.25	5.35E-06	6.55E-06	5.75E-06	1.85E-09	5.59E-09	3.24E-09	3.97E-09	3.59E-09	1.64E-09	1.44E-09	0.00E+00	0.00E+00	5.96E-10	1.35E-10	8.54E-10	1.32E-10	1.11E-10	1.83E-09

3300	481363.09	3847877.25	5.40E-06	6.61E-06	5.80E-06	1.87E-09	5.64E-09	3.27E-09	4.00E-09	3.63E-09	1.65E-09	1.45E-09	0.00E+00	0.00E+00	6.01E-10	1.36E-10	8.62E-10	1.33E-10	1.12E-10	1.84E-09
3301	481863.09	3847877.25	7.41E-06	9.08E-06	7.96E-06	2.57E-09	7.75E-09	4.48E-09	5.49E-09	4.98E-09	2.27E-09	1.99E-09	0.00E+00	0.00E+00	8.25E-10	1.86E-10	1.18E-09	1.82E-10	1.54E-10	2.53E-09
3302	482363.09	3847877.25	6.92E-06	8.48E-06	7.43E-06	2.40E-09	7.23E-09	4.19E-09	5.13E-09	4.65E-09	2.12E-09	1.86E-09	0.00E+00	0.00E+00	7.70E-10	1.74E-10	1.10E-09	1.70E-10	1.44E-10	2.36E-09
3303	482863.09	3847877.25	6.02E-06	7.38E-06	6.47E-06	2.09E-09	6.30E-09	3.65E-09	4.46E-09	4.05E-09	1.85E-09	1.62E-09	0.00E+00	0.00E+00	6.71E-10	1.52E-10	9.62E-10	1.48E-10	1.25E-10	2.06E-09
3304	483363.09	3847877.25	5.80E-06	7.11E-06	6.23E-06	2.01E-09	6.07E-09	3.51E-09	4.30E-09	3.90E-09	1.78E-09	1.56E-09	0.00E+00	0.00E+00	6.46E-10	1.46E-10	9.26E-10	1.43E-10	1.21E-10	1.98E-09
3305	483863.09	3847877.25	5.64E-06	6.91E-06	6.06E-06	1.95E-09	5.89E-09	3.41E-09	4.18E-09	3.79E-09	1.73E-09	1.52E-09	0.00E+00	0.00E+00	6.28E-10	1.42E-10	9.00E-10	1.39E-10	1.17E-10	1.93E-09
3306	484363.09	3847877.25	5.73E-06	7.01E-06	6.15E-06	1.98E-09	5.98E-09	3.46E-09	4.24E-09	3.85E-09	1.76E-09	1.54E-09	0.00E+00	0.00E+00	6.37E-10	1.44E-10	9.14E-10	1.41E-10	1.19E-10	1.96E-09
3307	484863.09	3847877.25	5.47E-06	6.70E-06	5.88E-06	1.89E-09	5.72E-09	3.31E-09	4.05E-09	3.67E-09	1.68E-09	1.47E-09	0.00E+00	0.00E+00	6.09E-10	1.38E-10	8.73E-10	1.35E-10	1.14E-10	1.87E-09
3308	485363.09	3847877.25	5.37E-06	6.57E-06	5.77E-06	1.86E-09	5.61E-09	3.25E-09	3.98E-09	3.61E-09	1.65E-09	1.44E-09	0.00E+00	0.00E+00	5.97E-10	1.35E-10	8.57E-10	1.32E-10	1.12E-10	1.83E-09
3309	485863.09	3847877.25	5.24E-06	6.41E-06	5.62E-06	1.81E-09	5.47E-09	3.17E-09	3.88E-09	3.52E-09	1.61E-09	1.41E-09	0.00E+00	0.00E+00	5.83E-10	1.32E-10	8.36E-10	1.29E-10	1.09E-10	1.79E-09
3310	486363.09	3847877.25	4.78E-06	5.86E-06	5.14E-06	1.66E-09	5.00E-09	2.89E-09	3.54E-09	3.21E-09	1.47E-09	1.29E-09	0.00E+00	0.00E+00	5.32E-10	1.20E-10	7.63E-10	1.18E-10	9.95E-11	1.63E-09
3311	486863.09	3847877.25	4.48E-06	5.49E-06	4.81E-06	1.55E-09	4.68E-09	2.71E-09	3.32E-09	3.01E-09	1.37E-09	1.20E-09	0.00E+00	0.00E+00	4.99E-10	1.13E-10	7.15E-10	1.10E-10	9.33E-11	1.53E-09
3312	487363.09	3847877.25	4.25E-06	5.20E-06	4.56E-06	1.47E-09	4.44E-09	2.57E-09	3.15E-09	2.85E-09	1.30E-09	1.14E-09	0.00E+00	0.00E+00	4.73E-10	1.07E-10	6.78E-10	1.05E-10	8.84E-11	1.45E-09
3313	487863.09	3847877.25	3.97E-06	4.86E-06	4.26E-06	1.37E-09	4.15E-09	2.40E-09	2.94E-09	2.67E-09	1.22E-09	1.07E-09	0.00E+00	0.00E+00	4.42E-10	9.98E-11	6.33E-10	9.77E-11	8.26E-11	1.36E-09
3314	488363.09	3847877.25	3.85E-06	4.72E-06	4.14E-06	1.33E-09	4.03E-09	2.33E-09	2.86E-09	2.59E-09	1.18E-09	1.04E-09	0.00E+00	0.00E+00	4.29E-10	9.69E-11	6.15E-10	9.48E-11	8.02E-11	1.32E-09
3315	488863.09	3847877.25	3.83E-06	4.69E-06	4.11E-06	1.32E-09	4.00E-09	2.32E-09	2.84E-09	2.57E-09	1.17E-09	1.03E-09	0.00E+00	0.00E+00	4.26E-10	9.63E-11	6.11E-10	9.42E-11	7.97E-11	1.31E-09
3316	489363.09	3847877.25	3.87E-06	4.74E-06	4.16E-06	1.34E-09	4.05E-09	2.34E-09	2.87E-09	2.60E-09	1.19E-09	1.04E-09	0.00E+00	0.00E+00	4.31E-10	9.74E-11	6.18E-10	9.53E-11	8.06E-11	1.32E-09
3317	489863.09	3847877.25	4.12E-06	5.04E-06	4.42E-06	1.42E-09	4.30E-09	2.49E-09	3.05E-09	2.76E-09	1.26E-09	1.11E-09	0.00E+00	0.00E+00	4.58E-10	1.04E-10	6.57E-10	1.01E-10	8.56E-11	1.41E-09
3318	490363.09	3847877.25	4.18E-06	5.12E-06	4.49E-06	1.45E-09	4.37E-09	2.53E-09	3.10E-09	2.81E-09	1.28E-09	1.12E-09	0.00E+00	0.00E+00	4.66E-10	1.05E-10	6.68E-10	1.03E-10	8.70E-11	1.43E-09
3319	490863.09	3847877.25	4.13E-06	5.06E-06	4.43E-06	1.43E-09	4.31E-09	2.50E-09	3.06E-09	2.77E-09	1.27E-09	1.11E-09	0.00E+00	0.00E+00	4.59E-10	1.04E-10	6.59E-10	1.02E-10	8.59E-11	1.41E-09
3320	491363.09	3847877.25	4.00E-06	4.90E-06	4.30E-06	1.38E-09	4.18E-09	2.42E-09	2.96E-09	2.69E-09	1.23E-09	1.08E-09	0.00E+00	0.00E+00	4.45E-10	1.01E-10	6.39E-10	9.85E-11	8.33E-11	1.37E-09
3321	491863.09	3847877.25	4.14E-06	5.07E-06	4.44E-06	1.43E-09	4.33E-09	2.50E-09	3.07E-09	2.78E-09	1.27E-09	1.11E-09	0.00E+00	0.00E+00	4.61E-10	1.04E-10	6.61E-10	1.02E-10	8.61E-11	1.41E-09
3322	492363.09	3847877.25	4.37E-06	5.36E-06	4.70E-06	1.51E-09	4.57E-09	2.65E-09	3.24E-09	2.94E-09	1.34E-09	1.18E-09	0.00E+00	0.00E+00	4.87E-10	1.10E-10	6.98E-10	1.08E-10	9.10E-11	1.49E-09
3323	492863.09	3847877.25	4.53E-06	5.54E-06	4.86E-06	1.57E-09	4.73E-09	2.74E-09	3.35E-09	3.04E-09	1.39E-09	1.22E-09	0.00E+00	0.00E+00	5.04E-10	1.14E-10	7.23E-10	1.11E-10	9.42E-11	1.55E-09
3324	493363.09	3847877.25	4.51E-06	5.52E-06	4.84E-06	1.56E-09	4.71E-09	2.73E-09	3.34E-09	3.03E-09	1.38E-09	1.21E-09	0.00E+00	0.00E+00	5.02E-10	1.13E-10	7.20E-10	1.11E-10	9.38E-11	1.54E-09
3325	493863.09	3847877.25	4.61E-06	5.65E-06	4.95E-06	1.60E-09	4.82E-09	2.79E-09	3.42E-09	3.10E-09	1.41E-09	1.24E-09	0.00E+00	0.00E+00	5.13E-10	1.16E-10	7.36E-10	1.14E-10	9.60E-11	1.57E-09
3326	494363.09	3847877.25	4.82E-06	5.91E-06	5.18E-06	1.67E-09	5.04E-09	2.92E-09	3.57E-09	3.24E-09	1.48E-09	1.30E-09	0.00E+00	0.00E+00	5.37E-10	1.21E-10	7.70E-10	1.19E-10	1.00E-10	1.65E-09
3327	494863.09	3847877.25	5.13E-06	6.28E-06	5.50E-06	1.77E-09	5.36E-09	3.10E-09	3.80E-09	3.44E-09	1.57E-09	1.38E-09	0.00E+00	0.00E+00	5.71E-10	1.29E-10	8.18E-10	1.26E-10	1.07E-10	1.75E-09
3328	495363.09	3847877.25	5.30E-06	6.49E-06	5.69E-06	1.84E-09	5.54E-09	3.21E-09	3.93E-09	3.56E-09	1.63E-09	1.42E-09	0.00E+00	0.00E+00	5.90E-10	1.33E-10	8.46E-10	1.31E-10	1.10E-10	1.81E-09
3329	495863.09	3847877.25	5.06E-06	6.20E-06	5.43E-06	1.75E-09	5.29E-09	3.06E-09	3.75E-09	3.40E-09	1.55E-09	1.36E-09	0.00E+00	0.00E+00	5.63E-10	1.27E-10	8.08E-10	1.25E-10	1.05E-10	1.73E-09
3330	496363.09	3847877.25	6.07E-06	7.43E-06	6.51E-06	2.10E-09	6.34E-09	3.67E-09	4.50E-09	4.08E-09	1.86E-09	1.63E-09	0.00E+00	0.00E+00	6.76E-10	1.53E-10	9.69E-10	1.49E-10	1.26E-10	2.07E-09
3331	496863.09	3847877.25	6.68E-06	8.19E-06	7.17E-06	2.31E-09	6.98E-09	4.04E-09	4.95E-09	4.49E-09	2.05E-09	1.80E-09	0.00E+00	0.00E+00	7.44E-10	1.68E-10	1.07E-09	1.65E-10	1.39E-10	2.28E-09
3332	497363.09	3847877.25	7.45E-06	9.12E-06	8.00E-06	2.58E-09	7.78E-09	4.51E-09	5.52E-09	5.00E-09	2.28E-09	2.00E-09	0.00E+00	0.00E+00	8.29E-10	1.87E-10	1.19E-09	1.83E-10	1.55E-10	2.54E-09
3333	497863.09	3847877.25	8.86E-06	1.09E-05	9.52E-06	3.07E-09	9.26E-09	5.36E-09	6.57E-09	5.95E-09	2.72E-09	2.38E-09	0.00E+00	0.00E+00	9.87E-10	2.23E-10	1.41E-09	2.18E-10	1.84E-10	3.03E-09
3334	498363.09	3847877.25	9.67E-06	1.18E-05	1.04E-05	3.35E-09	1.01E-08	5.85E-09	7.16E-09	6.49E-09	2.96E-09	2.60E-09	0.00E+00	0.00E+00	1.08E-09	2.43E-10	1.54E-09	2.38E-10	2.01E-10	3.30E-09
3335	471363.09	3848377.25	1.37E-05	1.68E-05	1.47E-05	4.74E-09	1.43E-08	8.28E-09	1.01E-08	9.20E-09	4.20E-09	3.68E-09	0.00E+00	0.00E+00	1.52E-09	3.44E-10	2.18E-09	3.37E-10	2.85E-10	4.67E-09
3336	471863.09	3848377.25	1.45E-05	1.77E-05	1.55E-05	5.00E-09	1.51E-08	8.75E-09	1.07E-08	9.71E-09	4.43E-09	3.89E-09	0.00E+00	0.00E+00	1.61E-09	3.64E-10	2.31E-09	3.56E-10	3.01E-10	4.94E-09
3337	472363.09	3848377.25	1.50E-05	1.83E-05	1.61E-05	5.18E-09	1.57E-08	9.06E-09	1.11E-08	1.01E-08	4.59E-09	4.03E-09	0.00E+00	0.00E+00	1.67E-09	3.77E-10	2.39E-09	3.69E-10	3.12E-10	5.11E-09
3338	472863.09	3848377.25	1.54E-05	1.88E-05	1.65E-05	5.32E-09	1.61E-08	9.31E-09	1.14E-08	1.03E-08	4.72E-09	4.14E-09	0.00E+00	0.00E+00	1.71E-09	3.87E-10	2.46E-09	3.79E-10	3.20E-10	5.25E-09
3339	473363.09	3848377.25	1.56E-05	1.91E-05	1.68E-05	5.41E-09	1.63E-08	9.46E-09	1.16E-08	1.05E-08	4.79E-09	4.20E-09	0.00E+00	0.00E+00	1.74E-09	3.93E-10	2.50E-09	3.85E-10	3.25E-10	5.34E-09
3340	473863.09	3848377.25	1.59E-05	1.94E-05	1.71E-05	5.50E-09	1.66E-08	9.61E-09	1.18E-08	1.07E-08	4.87E-09	4.27E-09	0.00E+00	0.00E+00	1.77E-09	3.99E-10	2.53E-09	3.91E-10	3.31E-10	5.42E-09
3341	474363.09	3848377.25	1.56E-05	1.91E-05	1.67E-05	5.39E-09	1.63E-08	9.43E-09	1.15E-08	1.05E-08	4.78E-09	4.19E-09	0.00E+00	0.00E+00	1.73E-09	3.92E-10	2.49E-09	3.84E-10	3.24E-10	5.32E-09
3342	474863.09	3848377.25	1.41E-05	1.72E-05	1.51E-05	4.87E-09	1.47E-08	8.52E-09	1.04E-08	9.46E-09	4.32E-09	3.79E-09	0.00E+00	0.00E+00	1.57E-09	3.54E-10	2.25E-09	3.47E-10	2.93E-10	4.81E-09
3343	475363.09	3848377.25	1.48E-05	1.81E-05	1.59E-05	5.13E-09	1.55E-08	8.97E-09	1.10E-08	9.95E-09	4.54E-09	3.98E-09	0.00E+00	0.00E+00	1.65E-09	3.73E-10	2.37E-09	3.65E-10	3.08E-10	5.06E-09
3344	475863.09	3848377.25	1.35E-05	1.65E-05	1.45E-05	4.67E-09	1.41E-08	8.16E-09	1.00E-08	9.06E-09	4.13E-09	3.63E-09	0.00E+00	0.00E+00	1.50E-09	3.39E-10	2.15E-09	3.32E-10	2.81E-10	4.61E-09
3345	476363.09	3848377.25	1.20E-05	1.47E-05	1.29E-05	4.16E-09	1.26E-08	7.28E-09	8.91E-09	8.08E-09	3.69E-09	3.23E-09	0.00E+00	0.00E+00	1.34E-09	3.03E-10	1.92E-09	2.96E-10	2.50E-10	4.11E-09
3346	476863.09	3848377.25	1.52E-05	1.86E-05	1.63E-05	5.26E-09	1.59E-08	9.20E-09	1.13E-08	1.02E-08	4.66E-09	4.09E-09	0.00E+00	0.00E+00	1.69E-09	3.82E-10	2.43E-09	3.74E-10	3.16E-10	5.19E-09
3347	477363.09	3848377.25	1.81E-05	2.22E-05	1.95E-05	6.28E-09	1.90E-08	1.10E-08	1.34E-08	1.22E-08	5.56E-09	4.88E-09	0.00E+00	0.00E+00	2.02E-09	4.56E-10	2.90E-09	4.47E-10	3.78E-10	6.20E-09
3348	477863.09	3848377.25	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.68E-09	5.86E-09	0.00E+00	0.00E+00	2.43E-09	5.49E-10	3.48E-09	5.37E-10	4.54E-10	7.45E-09
3349	478363.09	3848377.25	2.19E-05	2.68E-05	2.35E-05	7.57E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.70E-09	5.87E-09	0.00E+00	0.00E+00	2.43E-09	5.50E-10	3.49E-09	5.38E-10	4.55E-10	7.46E-09
3350	478863.09	3848377.25	1.90E-05	2.32E-05	2.04E-05	6.56E-09	1.98E-08	1.15E-08	1.40E-08	1.27E-08	5.81E-09	5.10E-09	0.00E+00	0.00E+00	2.11E-09	4.77E-10	3.03E-09	4.67E-10	3.95E-10	6.47E-09
3351	479363.09	3848377.25	1.29E-05	1.58E-05	1.38E-05	4.46E-09	1.35E-08	7.80E-09	9.56E-09	8.66E-09	3.95E-09	3.47E-09	0.00E+00	0.00E+00	1.44E-09	3.24E-10	2.06E-09	3.17E-10	2.68E-10	4.40E-09
3352	479863.09	3848377.25	4.41E-06	5.40E-06	4.74E-06	1.53E-09	4.61E-09	2.67E-09	3.27E-09	2.96E-09	1.35E-09	1.19E-09	0.00E+00	0.00E+00	4.91E-10	1.11E-10	7.04E-10	1.09E-10	9.18E-11	1.51E-09
3353	480363.09	3848377.25	6.25E-06	7.66E-06	6.72E-06	2.17E-09	6.54E-09	3.78E-09	4.64E-09	4.20E-09	1.92E-09	1.68E-09	0.00E+00	0.00E+00	6.96E-10	1.57E-10	9.98E-10	1.54E-10	1.30E-10	2.14E-09
3354	480863.09	3848377.25	8.80E-06	1.08E-05	9.45E-06	3.05E-09	9.20E-09	5.32E-09	6.52E-09	5.91E-09	2.70E-09	2.37E-09	0.00E+00	0.00E+00	9.80E-10	2.21E-10	1.40E-09	2.17E-10	1.83E-10	3.01E-09
3355	481363.09	3848377.25	8.62E-06	1.06E-05	9.26E-06	2.98E-09	9.01E-09	5.21E-09	6.39E-09	5.79E-09	2.64E-09	2.32E-09	0.00E+00	0.00E+00	9.59E-10	2.17E-10	1.38E-09	2.12E-10	1.79E-10	2.94E-09
3356	481863.09	3848377.25	8.77E-06	1.07E-05	9.43E-06	3.04E-09	9.17E-09	5.31E-09	6.50E-09	5.90E-09	2.69E-09	2.36E-09	0.00E+00	0.00E+00	9.77E-10	2.21E-10	1.40E-09	2.16E-10	1.83E-10	3.00E-09
3357	482363.09	3848377.25	8.78E-06	1.08E-05	9.43E-06	3.04E-09	9.18E-09	5.31E-09	6.51E-09	5.90E-09	2.69E-09	2.36E-09	0.00E+00	0.00E+00	9.78E-10	2.21E-10	1.40E-09	2.16E-10	1.83E-10	3.00E-09

3358	482863.09	3848377.25	7.37E-06	9.03E-06	7.92E-06	2.55E-09	7.71E-09	4.46E-09	5.46E-09	4.95E-09	2.26E-09	1.98E-09	0.00E+00	0.00E+00	8.21E-10	1.85E-10	1.18E-09	1.82E-10	1.53E-10	2.52E-09
3359	483363.09	3848377.25	7.12E-06	8.72E-06	7.65E-06	2.46E-09	7.44E-09	4.31E-09	5.28E-09	4.78E-09	2.18E-09	1.91E-09	0.00E+00	0.00E+00	7.93E-10	1.79E-10	1.14E-09	1.75E-10	1.48E-10	2.43E-09
3360	483863.09	3848377.25	6.42E-06	7.86E-06	6.90E-06	2.22E-09	6.71E-09	3.88E-09	4.76E-09	4.31E-09	1.97E-09	1.73E-09	0.00E+00	0.00E+00	7.15E-10	1.61E-10	1.02E-09	1.58E-10	1.34E-10	2.19E-09
3361	484363.09	3848377.25	6.31E-06	7.73E-06	6.78E-06	2.18E-09	6.60E-09	3.82E-09	4.68E-09	4.24E-09	1.93E-09	1.70E-09	0.00E+00	0.00E+00	7.03E-10	1.59E-10	1.01E-09	1.55E-10	1.31E-10	2.16E-09
3362	484863.09	3848377.25	6.72E-06	8.23E-06	7.22E-06	2.33E-09	7.03E-09	4.07E-09	4.98E-09	4.52E-09	2.06E-09	1.81E-09	0.00E+00	0.00E+00	7.48E-10	1.69E-10	1.07E-09	1.65E-10	1.40E-10	2.30E-09
3363	485363.09	3848377.25	6.36E-06	7.79E-06	6.83E-06	2.20E-09	6.64E-09	3.85E-09	4.71E-09	4.27E-09	1.95E-09	1.71E-09	0.00E+00	0.00E+00	7.08E-10	1.60E-10	1.01E-09	1.56E-10	1.32E-10	2.17E-09
3364	485863.09	3848377.25	6.13E-06	7.50E-06	6.58E-06	2.12E-09	6.40E-09	3.71E-09	4.54E-09	4.12E-09	1.88E-09	1.65E-09	0.00E+00	0.00E+00	6.82E-10	1.54E-10	9.78E-10	1.51E-10	1.27E-10	2.09E-09
3365	486363.09	3848377.25	5.71E-06	6.99E-06	6.13E-06	1.98E-09	5.97E-09	3.45E-09	4.23E-09	3.84E-09	1.75E-09	1.53E-09	0.00E+00	0.00E+00	6.35E-10	1.44E-10	9.11E-10	1.41E-10	1.19E-10	1.95E-09
3366	486863.09	3848377.25	5.24E-06	6.42E-06	5.63E-06	1.81E-09	5.48E-09	3.17E-09	3.88E-09	3.52E-09	1.61E-09	1.41E-09	0.00E+00	0.00E+00	5.83E-10	1.32E-10	8.37E-10	1.29E-10	1.09E-10	1.79E-09
3367	487363.09	3848377.25	4.73E-06	5.80E-06	5.09E-06	1.64E-09	4.95E-09	2.86E-09	3.51E-09	3.18E-09	1.45E-09	1.27E-09	0.00E+00	0.00E+00	5.27E-10	1.19E-10	7.56E-10	1.17E-10	9.86E-11	1.62E-09
3368	487863.09	3848377.25	4.62E-06	5.66E-06	4.96E-06	1.60E-09	4.83E-09	2.80E-09	3.42E-09	3.10E-09	1.42E-09	1.24E-09	0.00E+00	0.00E+00	5.14E-10	1.16E-10	7.38E-10	1.14E-10	9.62E-11	1.58E-09
3369	488363.09	3848377.25	4.50E-06	5.51E-06	4.83E-06	1.56E-09	4.70E-09	2.72E-09	3.33E-09	3.02E-09	1.38E-09	1.21E-09	0.00E+00	0.00E+00	5.01E-10	1.13E-10	7.18E-10	1.11E-10	9.36E-11	1.54E-09
3370	488863.09	3848377.25	4.53E-06	5.55E-06	4.87E-06	1.57E-09	4.74E-09	2.74E-09	3.36E-09	3.05E-09	1.39E-09	1.22E-09	0.00E+00	0.00E+00	5.05E-10	1.14E-10	7.24E-10	1.12E-10	9.44E-11	1.55E-09
3371	489363.09	3848377.25	4.69E-06	5.75E-06	5.04E-06	1.62E-09	4.90E-09	2.84E-09	3.48E-09	3.15E-09	1.44E-09	1.26E-09	0.00E+00	0.00E+00	5.22E-10	1.18E-10	7.49E-10	1.16E-10	9.76E-11	1.60E-09
3372	489863.09	3848377.25	5.07E-06	6.21E-06	5.44E-06	1.76E-09	5.30E-09	3.07E-09	3.76E-09	3.41E-09	1.55E-09	1.36E-09	0.00E+00	0.00E+00	5.64E-10	1.28E-10	8.10E-10	1.25E-10	1.05E-10	1.73E-09
3373	490363.09	3848377.25	5.08E-06	6.22E-06	5.45E-06	1.76E-09	5.31E-09	3.07E-09	3.77E-09	3.41E-09	1.56E-09	1.37E-09	0.00E+00	0.00E+00	5.66E-10	1.28E-10	8.11E-10	1.25E-10	1.06E-10	1.74E-09
3374	490863.09	3848377.25	4.93E-06	6.04E-06	5.29E-06	1.71E-09	5.15E-09	2.98E-09	3.65E-09	3.31E-09	1.51E-09	1.32E-09	0.00E+00	0.00E+00	5.49E-10	1.24E-10	7.87E-10	1.21E-10	1.03E-10	1.68E-09
3375	491363.09	3848377.25	4.92E-06	6.03E-06	5.29E-06	1.70E-09	5.14E-09	2.98E-09	3.65E-09	3.31E-09	1.51E-09	1.32E-09	0.00E+00	0.00E+00	5.48E-10	1.24E-10	7.86E-10	1.21E-10	1.02E-10	1.68E-09
3376	491863.09	3848377.25	5.04E-06	6.18E-06	5.42E-06	1.75E-09	5.27E-09	3.05E-09	3.74E-09	3.39E-09	1.55E-09	1.36E-09	0.00E+00	0.00E+00	5.62E-10	1.27E-10	8.05E-10	1.24E-10	1.05E-10	1.72E-09
3377	492363.09	3848377.25	4.96E-06	6.07E-06	5.33E-06	1.72E-09	5.18E-09	3.00E-09	3.68E-09	3.33E-09	1.52E-09	1.33E-09	0.00E+00	0.00E+00	5.52E-10	1.25E-10	7.92E-10	1.22E-10	1.03E-10	1.69E-09
3378	492863.09	3848377.25	4.84E-06	5.93E-06	5.20E-06	1.68E-09	5.06E-09	2.93E-09	3.59E-09	3.25E-09	1.48E-09	1.30E-09	0.00E+00	0.00E+00	5.39E-10	1.22E-10	7.73E-10	1.19E-10	1.01E-10	1.65E-09
3379	493363.09	3848377.25	4.99E-06	6.11E-06	5.36E-06	1.73E-09	5.21E-09	3.02E-09	3.70E-09	3.35E-09	1.53E-09	1.34E-09	0.00E+00	0.00E+00	5.55E-10	1.26E-10	7.96E-10	1.23E-10	1.04E-10	1.70E-09
3380	493863.09	3848377.25	5.18E-06	6.34E-06	5.56E-06	1.79E-09	5.41E-09	3.13E-09	3.84E-09	3.48E-09	1.59E-09	1.39E-09	0.00E+00	0.00E+00	5.76E-10	1.30E-10	8.27E-10	1.27E-10	1.08E-10	1.77E-09
3381	494363.09	3848377.25	5.37E-06	6.57E-06	5.76E-06	1.86E-09	5.61E-09	3.25E-09	3.98E-09	3.60E-09	1.64E-09	1.44E-09	0.00E+00	0.00E+00	5.97E-10	1.35E-10	8.57E-10	1.32E-10	1.12E-10	1.83E-09
3382	494863.09	3848377.25	5.72E-06	7.01E-06	6.14E-06	1.98E-09	5.98E-09	3.46E-09	4.24E-09	3.84E-09	1.75E-09	1.54E-09	0.00E+00	0.00E+00	6.37E-10	1.44E-10	9.13E-10	1.41E-10	1.19E-10	1.95E-09
3383	495363.09	3848377.25	5.67E-06	6.95E-06	6.09E-06	1.96E-09	5.93E-09	3.43E-09	4.21E-09	3.81E-09	1.74E-09	1.52E-09	0.00E+00	0.00E+00	6.32E-10	1.43E-10	9.06E-10	1.40E-10	1.18E-10	1.94E-09
3384	495863.09	3848377.25	5.95E-06	7.29E-06	6.39E-06	2.06E-09	6.22E-09	3.60E-09	4.41E-09	4.00E-09	1.82E-09	1.60E-09	0.00E+00	0.00E+00	6.63E-10	1.50E-10	9.50E-10	1.47E-10	1.24E-10	2.03E-09
3385	496363.09	3848377.25	6.64E-06	8.14E-06	7.13E-06	2.30E-09	6.94E-09	4.02E-09	4.92E-09	4.46E-09	2.04E-09	1.78E-09	0.00E+00	0.00E+00	7.39E-10	1.67E-10	1.06E-09	1.64E-10	1.38E-10	2.27E-09
3386	496863.09	3848377.25	6.84E-06	8.38E-06	7.34E-06	2.37E-09	7.15E-09	4.14E-09	5.07E-09	4.59E-09	2.10E-09	1.84E-09	0.00E+00	0.00E+00	7.61E-10	1.72E-10	1.09E-09	1.68E-10	1.42E-10	2.34E-09
3387	497363.09	3848377.25	7.86E-06	9.63E-06	8.44E-06	2.72E-09	8.22E-09	4.76E-09	5.83E-09	5.28E-09	2.41E-09	2.11E-09	0.00E+00	0.00E+00	8.75E-10	1.98E-10	1.25E-09	1.93E-10	1.64E-10	2.68E-09
3388	497863.09	3848377.25	1.07E-05	1.31E-05	1.15E-05	3.72E-09	1.12E-08	6.50E-09	7.96E-09	7.21E-09	3.29E-09	2.88E-09	0.00E+00	0.00E+00	1.19E-09	2.70E-10	1.71E-09	2.64E-10	2.23E-10	3.67E-09
3389	498363.09	3848377.25	1.14E-05	1.40E-05	1.23E-05	3.95E-09	1.19E-08	6.91E-09	8.47E-09	7.67E-09	3.50E-09	3.07E-09	0.00E+00	0.00E+00	1.27E-09	2.87E-10	1.82E-09	2.81E-10	2.38E-10	3.90E-09
3390	471363.09	3848877.25	1.34E-05	1.64E-05	1.44E-05	4.64E-09	1.40E-08	8.11E-09	9.93E-09	9.00E-09	4.11E-09	3.60E-09	0.00E+00	0.00E+00	1.49E-09	3.37E-10	2.14E-09	3.30E-10	2.79E-10	4.58E-09
3391	471863.09	3848877.25	1.44E-05	1.77E-05	1.55E-05	5.00E-09	1.51E-08	8.73E-09	1.07E-08	9.70E-09	4.43E-09	3.88E-09	0.00E+00	0.00E+00	1.61E-09	3.63E-10	2.30E-09	3.55E-10	3.01E-10	4.93E-09
3392	472363.09	3848877.25	1.54E-05	1.89E-05	1.66E-05	5.34E-09	1.61E-08	9.33E-09	1.14E-08	1.04E-08	4.73E-09	4.14E-09	0.00E+00	0.00E+00	1.72E-09	3.88E-10	2.46E-09	3.79E-10	3.21E-10	5.26E-09
3393	472863.09	3848877.25	1.63E-05	1.99E-05	1.75E-05	5.63E-09	1.70E-08	9.84E-09	1.21E-08	1.09E-08	4.99E-09	4.37E-09	0.00E+00	0.00E+00	1.81E-09	4.09E-10	2.60E-09	4.00E-10	3.39E-10	5.55E-09
3394	473363.09	3848877.25	1.70E-05	2.08E-05	1.82E-05	5.87E-09	1.77E-08	1.03E-08	1.26E-08	1.14E-08	5.20E-09	4.56E-09	0.00E+00	0.00E+00	1.89E-09	4.26E-10	2.71E-09	4.17E-10	3.53E-10	5.79E-09
3395	473863.09	3848877.25	1.74E-05	2.13E-05	1.87E-05	6.01E-09	1.81E-08	1.05E-08	1.29E-08	1.17E-08	5.32E-09	4.67E-09	0.00E+00	0.00E+00	1.93E-09	4.37E-10	2.77E-09	4.27E-10	3.61E-10	5.93E-09
3396	474363.09	3848877.25	1.78E-05	2.18E-05	1.92E-05	6.17E-09	1.86E-08	1.08E-08	1.32E-08	1.20E-08	5.47E-09	4.80E-09	0.00E+00	0.00E+00	1.99E-09	4.49E-10	2.85E-09	4.39E-10	3.71E-10	6.09E-09
3397	474863.09	3848877.25	1.72E-05	2.11E-05	1.85E-05	5.96E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.28E-09	4.63E-09	0.00E+00	0.00E+00	1.92E-09	4.33E-10	2.75E-09	4.24E-10	3.58E-10	5.88E-09
3398	475363.09	3848877.25	1.68E-05	2.06E-05	1.81E-05	5.82E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.16E-09	4.52E-09	0.00E+00	0.00E+00	1.87E-09	4.23E-10	2.69E-09	4.14E-10	3.50E-10	5.75E-09
3399	475863.09	3848877.25	1.71E-05	2.10E-05	1.84E-05	5.93E-09	1.79E-08	1.04E-08	1.27E-08	1.15E-08	5.25E-09	4.61E-09	0.00E+00	0.00E+00	1.91E-09	4.31E-10	2.73E-09	4.22E-10	3.57E-10	5.85E-09
3400	476363.09	3848877.25	1.62E-05	1.98E-05	1.74E-05	5.60E-09	1.69E-08	9.80E-09	1.20E-08	1.09E-08	4.96E-09	4.35E-09	0.00E+00	0.00E+00	1.80E-09	4.07E-10	2.58E-09	3.99E-10	3.37E-10	5.53E-09
3401	476863.09	3848877.25	1.49E-05	1.83E-05	1.60E-05	5.16E-09	1.56E-08	9.02E-09	1.10E-08	1.00E-08	4.57E-09	4.01E-09	0.00E+00	0.00E+00	1.66E-09	3.75E-10	2.38E-09	3.67E-10	3.10E-10	5.09E-09
3402	477363.09	3848877.25	1.77E-05	2.17E-05	1.90E-05	6.12E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.42E-09	4.75E-09	0.00E+00	0.00E+00	1.97E-09	4.45E-10	2.82E-09	4.35E-10	3.68E-10	6.04E-09
3403	477863.09	3848877.25	2.08E-05	2.54E-05	2.23E-05	7.19E-09	2.17E-08	1.26E-08	1.54E-08	1.40E-08	6.37E-09	5.58E-09	0.00E+00	0.00E+00	2.31E-09	5.23E-10	3.32E-09	5.11E-10	4.32E-10	7.09E-09
3404	478363.09	3848877.25	2.50E-05	3.06E-05	2.68E-05	8.65E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.66E-09	6.71E-09	0.00E+00	0.00E+00	2.78E-09	6.28E-10	3.99E-09	6.15E-10	5.20E-10	8.53E-09
3405	478863.09	3848877.25	2.44E-05	2.99E-05	2.62E-05	8.44E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.47E-09	6.55E-09	0.00E+00	0.00E+00	2.71E-09	6.13E-10	3.89E-09	6.00E-10	5.07E-10	8.33E-09
3406	479363.09	3848877.25	1.98E-05	2.43E-05	2.13E-05	6.86E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.07E-09	5.33E-09	0.00E+00	0.00E+00	2.21E-09	4.98E-10	3.16E-09	4.88E-10	4.12E-10	6.77E-09
3407	479863.09	3848877.25	1.43E-05	1.75E-05	1.53E-05	4.95E-09	1.49E-08	8.64E-09	1.06E-08	9.60E-09	4.38E-09	3.84E-09	0.00E+00	0.00E+00	1.59E-09	3.59E-10	2.28E-09	3.52E-10	2.97E-10	4.88E-09
3408	480363.09	3848877.25	1.36E-05	1.66E-05	1.46E-05	4.69E-09	1.42E-08	8.20E-09	1.00E-08	9.11E-09	4.16E-09	3.64E-09	0.00E+00	0.00E+00	1.51E-09	3.41E-10	2.16E-09	3.34E-10	2.82E-10	4.63E-09
3409	480863.09	3848877.25	1.39E-05	1.70E-05	1.49E-05	4.81E-09	1.45E-08	8.40E-09	1.03E-08	9.33E-09	4.26E-09	3.73E-09	0.00E+00	0.00E+00	1.55E-09	3.49E-10	2.22E-09	3.42E-10	2.89E-10	4.74E-09
3410	481363.09	3848877.25	1.27E-05	1.55E-05	1.36E-05	4.39E-09	1.33E-08	7.68E-09	9.40E-09	8.53E-09	3.89E-09	3.41E-09	0.00E+00	0.00E+00	1.41E-09	3.19E-10	2.03E-09	3.12E-10	2.64E-10	4.33E-09
3411	481863.09	3848877.25	1.05E-05	1.29E-05	1.13E-05	3.64E-09	1.10E-08	6.36E-09	7.79E-09	7.06E-09	3.22E-09	2.83E-09	0.00E+00	0.00E+00	1.17E-09	2.65E-10	1.68E-09	2.59E-10	2.19E-10	3.59E-09
3412	482363.09	3848877.25	8.64E-06	1.06E-05	9.28E-06	2.99E-09	9.03E-09	5.23E-09	6.40E-09	5.80E-09	2.65E-09	2.32E-09	0.00E+00	0.00E+00	9.61E-10	2.17E-10	1.38E-09	2.13E-10	1.80E-10	2.95E-09
3413	482863.09	3848877.25	7.13E-06	8.73E-06	7.66E-06	2.47E-09	7.45E-09	4.31E-09	5.28E-09	4.79E-09	2.19E-09	1.92E-09	0.00E+00	0.00E+00	7.93E-10	1.79E-10	1.14E-09	1.75E-10	1.48E-10	2.43E-09
3414	483363.09	3848877.25	6.22E-06	7.61E-06	6.68E-06	2.15E-09	6.50E-09	3.76E-09	4.61E-09	4.18E-09	1.91E-09	1.67E-09	0.00E+00	0.00E+00	6.92E-10	1.56E-10	9.92E-10	1.53E-10	1.29E-10	2.12E-09
3415	483863.09	3848877.25	6.08E-06	7.44E-06	6.53E-06	2.10E-09	6.35E-09	3.68E-09	4.50E-09	4.08E-09	1.86E-09	1.63E-09	0.00E+00	0.00E+00	6.76E-10	1.53E-10	9.70E-10	1.50E-10	1.27E-10	2.08E-09

3416	484363.09	3848877.25	7.17E-06	8.78E-06	7.70E-06	2.48E-09	7.49E-09	4.34E-09	5.31E-09	4.82E-09	2.20E-09	1.93E-09	0.00E+00	0.00E+00	7.98E-10	1.80E-10	1.14E-09	1.76E-10	1.49E-10	2.45E-09
3417	484863.09	3848877.25	8.20E-06	1.00E-05	8.81E-06	2.84E-09	8.57E-09	4.96E-09	6.08E-09	5.51E-09	2.51E-09	2.21E-09	0.00E+00	0.00E+00	9.13E-10	2.06E-10	1.31E-09	2.02E-10	1.71E-10	2.80E-09
3418	485363.09	3848877.25	7.68E-06	9.40E-06	8.25E-06	2.66E-09	8.03E-09	4.65E-09	5.69E-09	5.16E-09	2.35E-09	2.07E-09	0.00E+00	0.00E+00	8.55E-10	1.93E-10	1.23E-09	1.89E-10	1.60E-10	2.62E-09
3419	485863.09	3848877.25	7.29E-06	8.93E-06	7.83E-06	2.52E-09	7.62E-09	4.41E-09	5.41E-09	4.90E-09	2.24E-09	1.96E-09	0.00E+00	0.00E+00	8.12E-10	1.83E-10	1.16E-09	1.80E-10	1.52E-10	2.49E-09
3420	486363.09	3848877.25	6.53E-06	8.00E-06	7.02E-06	2.26E-09	6.83E-09	3.95E-09	4.84E-09	4.39E-09	2.00E-09	1.76E-09	0.00E+00	0.00E+00	7.27E-10	1.64E-10	1.04E-09	1.61E-10	1.36E-10	2.23E-09
3421	486863.09	3848877.25	5.80E-06	7.11E-06	6.23E-06	2.01E-09	6.06E-09	3.51E-09	4.30E-09	3.90E-09	1.78E-09	1.56E-09	0.00E+00	0.00E+00	6.46E-10	1.46E-10	9.26E-10	1.43E-10	1.21E-10	1.98E-09
3422	487363.09	3848877.25	5.76E-06	7.06E-06	6.19E-06	1.99E-09	6.02E-09	3.48E-09	4.27E-09	3.87E-09	1.77E-09	1.55E-09	0.00E+00	0.00E+00	6.41E-10	1.45E-10	9.19E-10	1.42E-10	1.20E-10	1.97E-09
3423	487863.09	3848877.25	5.48E-06	6.71E-06	5.89E-06	1.90E-09	5.73E-09	3.31E-09	4.06E-09	3.68E-09	1.68E-09	1.47E-09	0.00E+00	0.00E+00	6.10E-10	1.38E-10	8.75E-10	1.35E-10	1.14E-10	1.87E-09
3424	488363.09	3848877.25	5.46E-06	6.69E-06	5.87E-06	1.89E-09	5.71E-09	3.30E-09	4.05E-09	3.67E-09	1.67E-09	1.47E-09	0.00E+00	0.00E+00	6.08E-10	1.37E-10	8.72E-10	1.34E-10	1.14E-10	1.87E-09
3425	488863.09	3848877.25	5.49E-06	6.72E-06	5.89E-06	1.90E-09	5.73E-09	3.32E-09	4.07E-09	3.69E-09	1.68E-09	1.47E-09	0.00E+00	0.00E+00	6.11E-10	1.38E-10	8.76E-10	1.35E-10	1.14E-10	1.87E-09
3426	489363.09	3848877.25	5.77E-06	7.07E-06	6.20E-06	2.00E-09	6.03E-09	3.49E-09	4.28E-09	3.88E-09	1.77E-09	1.55E-09	0.00E+00	0.00E+00	6.43E-10	1.45E-10	9.22E-10	1.42E-10	1.20E-10	1.97E-09
3427	489863.09	3848877.25	6.07E-06	7.44E-06	6.52E-06	2.10E-09	6.34E-09	3.67E-09	4.50E-09	4.08E-09	1.86E-09	1.63E-09	0.00E+00	0.00E+00	6.76E-10	1.53E-10	9.69E-10	1.49E-10	1.26E-10	2.07E-09
3428	490363.09	3848877.25	5.90E-06	7.23E-06	6.33E-06	2.04E-09	6.17E-09	3.57E-09	4.37E-09	3.96E-09	1.81E-09	1.59E-09	0.00E+00	0.00E+00	6.57E-10	1.48E-10	9.42E-10	1.45E-10	1.23E-10	2.01E-09
3429	490863.09	3848877.25	5.81E-06	7.11E-06	6.24E-06	2.01E-09	6.07E-09	3.51E-09	4.30E-09	3.90E-09	1.78E-09	1.56E-09	0.00E+00	0.00E+00	6.46E-10	1.46E-10	9.27E-10	1.43E-10	1.21E-10	1.98E-09
3430	491363.09	3848877.25	5.89E-06	7.21E-06	6.32E-06	2.04E-09	6.15E-09	3.56E-09	4.36E-09	3.95E-09	1.80E-09	1.58E-09	0.00E+00	0.00E+00	6.55E-10	1.48E-10	9.40E-10	1.45E-10	1.23E-10	2.01E-09
3431	491863.09	3848877.25	5.73E-06	7.02E-06	6.15E-06	1.98E-09	5.99E-09	3.47E-09	4.24E-09	3.85E-09	1.76E-09	1.54E-09	0.00E+00	0.00E+00	6.37E-10	1.44E-10	9.14E-10	1.41E-10	1.19E-10	1.96E-09
3432	492363.09	3848877.25	5.59E-06	6.85E-06	6.00E-06	1.93E-09	5.84E-09	3.38E-09	4.14E-09	3.76E-09	1.71E-09	1.50E-09	0.00E+00	0.00E+00	6.22E-10	1.41E-10	8.92E-10	1.38E-10	1.16E-10	1.91E-09
3433	492863.09	3848877.25	5.42E-06	6.64E-06	5.82E-06	1.88E-09	5.67E-09	3.28E-09	4.02E-09	3.64E-09	1.66E-09	1.46E-09	0.00E+00	0.00E+00	6.04E-10	1.36E-10	8.66E-10	1.34E-10	1.13E-10	1.85E-09
3434	493363.09	3848877.25	5.30E-06	6.49E-06	5.69E-06	1.83E-09	5.54E-09	3.21E-09	3.93E-09	3.56E-09	1.62E-09	1.42E-09	0.00E+00	0.00E+00	5.90E-10	1.33E-10	8.46E-10	1.30E-10	1.10E-10	1.81E-09
3435	493863.09	3848877.25	5.72E-06	7.01E-06	6.14E-06	1.98E-09	5.98E-09	3.46E-09	4.24E-09	3.84E-09	1.75E-09	1.54E-09	0.00E+00	0.00E+00	6.37E-10	1.44E-10	9.13E-10	1.41E-10	1.19E-10	1.95E-09
3436	494363.09	3848877.25	6.02E-06	7.37E-06	6.46E-06	2.08E-09	6.29E-09	3.64E-09	4.46E-09	4.04E-09	1.84E-09	1.62E-09	0.00E+00	0.00E+00	6.70E-10	1.51E-10	9.61E-10	1.48E-10	1.25E-10	2.06E-09
3437	494863.09	3848877.25	6.55E-06	8.02E-06	7.03E-06	2.27E-09	6.84E-09	3.96E-09	4.85E-09	4.40E-09	2.01E-09	1.76E-09	0.00E+00	0.00E+00	7.29E-10	1.65E-10	1.05E-09	1.61E-10	1.36E-10	2.24E-09
3438	495363.09	3848877.25	7.02E-06	8.60E-06	7.54E-06	2.43E-09	7.34E-09	4.25E-09	5.20E-09	4.72E-09	2.15E-09	1.89E-09	0.00E+00	0.00E+00	7.81E-10	1.77E-10	1.12E-09	1.73E-10	1.46E-10	2.40E-09
3439	495863.09	3848877.25	6.86E-06	8.40E-06	7.37E-06	2.38E-09	7.17E-09	4.15E-09	5.09E-09	4.61E-09	2.10E-09	1.84E-09	0.00E+00	0.00E+00	7.64E-10	1.73E-10	1.10E-09	1.69E-10	1.43E-10	2.34E-09
3440	496363.09	3848877.25	7.29E-06	8.93E-06	7.83E-06	2.52E-09	7.62E-09	4.41E-09	5.41E-09	4.90E-09	2.24E-09	1.96E-09	0.00E+00	0.00E+00	8.12E-10	1.83E-10	1.16E-09	1.80E-10	1.52E-10	2.49E-09
3441	496863.09	3848877.25	8.40E-06	1.03E-05	9.01E-06	2.91E-09	8.77E-09	5.08E-09	6.22E-09	5.64E-09	2.57E-09	2.26E-09	0.00E+00	0.00E+00	9.35E-10	2.11E-10	1.34E-09	2.07E-10	1.75E-10	2.87E-09
3442	497363.09	3848877.25	1.08E-05	1.33E-05	1.16E-05	3.75E-09	1.13E-08	6.56E-09	8.03E-09	7.28E-09	3.32E-09	2.91E-09	0.00E+00	0.00E+00	1.21E-09	2.73E-10	1.73E-09	2.67E-10	2.26E-10	3.70E-09
3443	497863.09	3848877.25	1.23E-05	1.51E-05	1.32E-05	4.27E-09	1.29E-08	7.46E-09	9.14E-09	8.29E-09	3.78E-09	3.31E-09	0.00E+00	0.00E+00	1.37E-09	3.10E-10	1.97E-09	3.04E-10	2.57E-10	4.21E-09
3444	498363.09	3848877.25	1.36E-05	1.67E-05	1.46E-05	4.72E-09	1.42E-08	8.25E-09	1.01E-08	9.16E-09	4.18E-09	3.66E-09	0.00E+00	0.00E+00	1.52E-09	3.43E-10	2.18E-09	3.36E-10	2.84E-10	4.66E-09
3445	471363.09	3849377.25	1.29E-05	1.59E-05	1.39E-05	4.48E-09	1.35E-08	7.84E-09	9.60E-09	8.70E-09	3.97E-09	3.48E-09	0.00E+00	0.00E+00	1.44E-09	3.26E-10	2.07E-09	3.19E-10	2.70E-10	4.42E-09
3446	471863.09	3849377.25	1.42E-05	1.74E-05	1.52E-05	4.91E-09	1.48E-08	8.59E-09	1.05E-08	9.54E-09	4.35E-09	3.82E-09	0.00E+00	0.00E+00	1.58E-09	3.57E-10	2.27E-09	3.49E-10	2.95E-10	4.85E-09
3447	472363.09	3849377.25	1.53E-05	1.87E-05	1.64E-05	5.29E-09	1.60E-08	9.25E-09	1.13E-08	1.03E-08	4.68E-09	4.11E-09	0.00E+00	0.00E+00	1.70E-09	3.84E-10	2.44E-09	3.76E-10	3.18E-10	5.22E-09
3448	472863.09	3849377.25	1.64E-05	2.01E-05	1.76E-05	5.68E-09	1.72E-08	9.93E-09	1.22E-08	1.10E-08	5.03E-09	4.41E-09	0.00E+00	0.00E+00	1.83E-09	4.13E-10	2.62E-09	4.04E-10	3.42E-10	5.61E-09
3449	473363.09	3849377.25	1.75E-05	2.14E-05	1.88E-05	6.06E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.36E-09	4.70E-09	0.00E+00	0.00E+00	1.95E-09	4.40E-10	2.79E-09	4.31E-10	3.64E-10	5.97E-09
3450	473863.09	3849377.25	1.85E-05	2.27E-05	1.99E-05	6.40E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.67E-09	4.97E-09	0.00E+00	0.00E+00	2.06E-09	4.65E-10	2.95E-09	4.55E-10	3.85E-10	6.32E-09
3451	474363.09	3849377.25	1.93E-05	2.36E-05	2.07E-05	6.68E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.91E-09	5.19E-09	0.00E+00	0.00E+00	2.15E-09	4.85E-10	3.08E-09	4.75E-10	4.02E-10	6.59E-09
3452	474863.09	3849377.25	2.00E-05	2.45E-05	2.15E-05	6.92E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.37E-09	0.00E+00	0.00E+00	2.22E-09	5.03E-10	3.19E-09	4.92E-10	4.16E-10	6.82E-09
3453	475363.09	3849377.25	2.02E-05	2.48E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.44E-09	0.00E+00	0.00E+00	2.25E-09	5.09E-10	3.23E-09	4.98E-10	4.21E-10	6.91E-09
3454	475863.09	3849377.25	2.07E-05	2.53E-05	2.22E-05	7.16E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.34E-09	5.56E-09	0.00E+00	0.00E+00	2.30E-09	5.20E-10	3.30E-09	5.09E-10	4.31E-10	7.06E-09
3455	476363.09	3849377.25	2.08E-05	2.55E-05	2.24E-05	7.21E-09	2.18E-08	1.26E-08	1.54E-08	1.40E-08	6.38E-09	5.60E-09	0.00E+00	0.00E+00	2.32E-09	5.24E-10	3.32E-09	5.13E-10	4.34E-10	7.11E-09
3456	476863.09	3849377.25	2.00E-05	2.45E-05	2.15E-05	6.93E-09	2.09E-08	1.21E-08	1.48E-08	1.35E-08	6.14E-09	5.39E-09	0.00E+00	0.00E+00	2.23E-09	5.04E-10	3.20E-09	4.93E-10	4.17E-10	6.84E-09
3457	477363.09	3849377.25	1.88E-05	2.30E-05	2.02E-05	6.51E-09	1.97E-08	1.14E-08	1.39E-08	1.26E-08	5.77E-09	5.06E-09	0.00E+00	0.00E+00	2.09E-09	4.73E-10	3.00E-09	4.63E-10	3.92E-10	6.43E-09
3458	477863.09	3849377.25	1.94E-05	2.37E-05	2.08E-05	6.71E-09	2.03E-08	1.17E-08	1.44E-08	1.30E-08	5.94E-09	5.21E-09	0.00E+00	0.00E+00	2.16E-09	4.88E-10	3.09E-09	4.77E-10	4.04E-10	6.62E-09
3459	478363.09	3849377.25	2.37E-05	2.90E-05	2.55E-05	8.21E-09	2.48E-08	1.43E-08	1.76E-08	1.59E-08	7.27E-09	6.38E-09	0.00E+00	0.00E+00	2.64E-09	5.97E-10	3.79E-09	5.84E-10	4.94E-10	8.10E-09
3460	478863.09	3849377.25	2.75E-05	3.36E-05	2.95E-05	9.51E-09	2.87E-08	1.66E-08	2.04E-08	1.85E-08	8.42E-09	7.38E-09	0.00E+00	0.00E+00	3.06E-09	6.91E-10	4.38E-09	6.76E-10	5.72E-10	9.38E-09
3461	479363.09	3849377.25	2.74E-05	3.35E-05	2.94E-05	9.48E-09	2.86E-08	1.66E-08	2.03E-08	1.84E-08	8.40E-09	7.36E-09	0.00E+00	0.00E+00	3.05E-09	6.89E-10	4.37E-09	6.74E-10	5.70E-10	9.35E-09
3462	479863.09	3849377.25	2.13E-05	2.61E-05	2.29E-05	7.39E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.54E-09	5.74E-09	0.00E+00	0.00E+00	2.38E-09	5.37E-10	3.41E-09	5.25E-10	4.44E-10	7.29E-09
3463	480363.09	3849377.25	2.11E-05	2.58E-05	2.26E-05	7.29E-09	2.20E-08	1.27E-08	1.56E-08	1.41E-08	6.45E-09	5.66E-09	0.00E+00	0.00E+00	2.34E-09	5.30E-10	3.36E-09	5.18E-10	4.38E-10	7.19E-09
3464	480863.09	3849377.25	1.84E-05	2.26E-05	1.98E-05	6.38E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.65E-09	4.96E-09	0.00E+00	0.00E+00	2.05E-09	4.64E-10	2.94E-09	4.54E-10	3.84E-10	6.29E-09
3465	481363.09	3849377.25	1.52E-05	1.87E-05	1.64E-05	5.27E-09	1.59E-08	9.22E-09	1.13E-08	1.02E-08	4.67E-09	4.10E-09	0.00E+00	0.00E+00	1.70E-09	3.83E-10	2.43E-09	3.75E-10	3.17E-10	5.20E-09
3466	481863.09	3849377.25	1.02E-05	1.25E-05	1.10E-05	3.54E-09	1.07E-08	6.18E-09	7.57E-09	6.86E-09	3.13E-09	2.75E-09	0.00E+00	0.00E+00	1.14E-09	2.57E-10	1.63E-09	2.51E-10	2.13E-10	3.49E-09
3467	482363.09	3849377.25	8.78E-06	1.08E-05	9.43E-06	3.04E-09	9.17E-09	5.31E-09	6.51E-09	5.90E-09	2.69E-09	2.36E-09	0.00E+00	0.00E+00	9.77E-10	2.21E-10	1.40E-09	2.16E-10	1.83E-10	3.00E-09
3468	482863.09	3849377.25	7.12E-06	8.73E-06	7.65E-06	2.47E-09	7.45E-09	4.31E-09	5.28E-09	4.79E-09	2.18E-09	1.92E-09	0.00E+00	0.00E+00	7.93E-10	1.79E-10	1.14E-09	1.75E-10	1.48E-10	2.43E-09
3469	483363.09	3849377.25	6.46E-06	7.91E-06	6.94E-06	2.24E-09	6.75E-09	3.91E-09	4.79E-09	4.34E-09	1.98E-09	1.74E-09	0.00E+00	0.00E+00	7.19E-10	1.63E-10	1.03E-09	1.59E-10	1.34E-10	2.21E-09
3470	483863.09	3849377.25	5.54E-06	6.78E-06	5.95E-06	1.92E-09	5.79E-09	3.35E-09	4.11E-09	3.72E-09	1.70E-09	1.49E-09	0.00E+00	0.00E+00	6.17E-10	1.39E-10	8.84E-10	1.36E-10	1.15E-10	1.89E-09
3471	484363.09	3849377.25	7.99E-06	9.78E-06	8.58E-06	2.76E-09	8.35E-09	4.83E-09	5.92E-09	5.37E-09	2.45E-09	2.15E-09	0.00E+00	0.00E+00	8.89E-10	2.01E-10	1.27E-09	1.97E-10	1.66E-10	2.73E-09
3472	484863.09	3849377.25	9.81E-06	1.20E-05	1.05E-05	3.40E-09	1.03E-08	5.94E-09	7.27E-09	6.59E-09	3.01E-09	2.64E-09	0.00E+00	0.00E+00	1.09E-09	2.47E-10	1.57E-09	2.42E-10	2.04E-10	3.35E-09
3473	485363.09	3849377.25	9.32E-06	1.14E-05	1.00E-05	3.23E-09	9.74E-09	5.64E-09	6.91E-09	6.26E-09	2.86E-09	2.51E-09	0.00E+00	0.00E+00	1.04E-09	2.34E-10	1.49E-09	2.29E-10	1.94E-10	3.18E-09

3474	485863.09	3849377.25	6.98E-06	8.55E-06	7.49E-06	2.41E-09	7.29E-09	4.22E-09	5.17E-09	4.69E-09	2.14E-09	1.88E-09	0.00E+00	0.00E+00	7.77E-10	1.76E-10	1.11E-09	1.72E-10	1.45E-10	2.38E-09
3475	486363.09	3849377.25	5.73E-06	7.02E-06	6.16E-06	1.98E-09	5.99E-09	3.47E-09	4.25E-09	3.85E-09	1.76E-09	1.54E-09	0.00E+00	0.00E+00	6.38E-10	1.44E-10	9.15E-10	1.41E-10	1.19E-10	1.96E-09
3476	486863.09	3849377.25	6.70E-06	8.20E-06	7.20E-06	2.32E-09	7.00E-09	4.05E-09	4.96E-09	4.50E-09	2.05E-09	1.80E-09	0.00E+00	0.00E+00	7.45E-10	1.68E-10	1.07E-09	1.65E-10	1.39E-10	2.29E-09
3477	487363.09	3849377.25	6.89E-06	8.44E-06	7.40E-06	2.38E-09	7.20E-09	4.17E-09	5.10E-09	4.63E-09	2.11E-09	1.85E-09	0.00E+00	0.00E+00	7.67E-10	1.73E-10	1.10E-09	1.70E-10	1.43E-10	2.35E-09
3478	487863.09	3849377.25	6.65E-06	8.14E-06	7.14E-06	2.30E-09	6.95E-09	4.02E-09	4.93E-09	4.47E-09	2.04E-09	1.79E-09	0.00E+00	0.00E+00	7.40E-10	1.67E-10	1.06E-09	1.64E-10	1.38E-10	2.27E-09
3479	488363.09	3849377.25	6.69E-06	8.19E-06	7.18E-06	2.31E-09	6.99E-09	4.05E-09	4.96E-09	4.49E-09	2.05E-09	1.80E-09	0.00E+00	0.00E+00	7.44E-10	1.68E-10	1.07E-09	1.65E-10	1.39E-10	2.28E-09
3480	488863.09	3849377.25	6.96E-06	8.52E-06	7.47E-06	2.41E-09	7.27E-09	4.21E-09	5.16E-09	4.68E-09	2.13E-09	1.87E-09	0.00E+00	0.00E+00	7.75E-10	1.75E-10	1.11E-09	1.71E-10	1.45E-10	2.38E-09
3481	489363.09	3849377.25	7.21E-06	8.84E-06	7.74E-06	2.50E-09	7.54E-09	4.36E-09	5.35E-09	4.85E-09	2.21E-09	1.94E-09	0.00E+00	0.00E+00	8.03E-10	1.81E-10	1.15E-09	1.78E-10	1.50E-10	2.46E-09
3482	489863.09	3849377.25	7.28E-06	8.91E-06	7.82E-06	2.52E-09	7.61E-09	4.40E-09	5.39E-09	4.89E-09	2.23E-09	1.96E-09	0.00E+00	0.00E+00	8.10E-10	1.83E-10	1.16E-09	1.79E-10	1.51E-10	2.49E-09
3483	490363.09	3849377.25	7.05E-06	8.64E-06	7.57E-06	2.44E-09	7.37E-09	4.27E-09	5.23E-09	4.74E-09	2.16E-09	1.90E-09	0.00E+00	0.00E+00	7.85E-10	1.77E-10	1.13E-09	1.74E-10	1.47E-10	2.41E-09
3484	490863.09	3849377.25	7.04E-06	8.62E-06	7.56E-06	2.44E-09	7.36E-09	4.26E-09	5.22E-09	4.73E-09	2.16E-09	1.89E-09	0.00E+00	0.00E+00	7.84E-10	1.77E-10	1.12E-09	1.73E-10	1.47E-10	2.40E-09
3485	491363.09	3849377.25	7.10E-06	8.70E-06	7.63E-06	2.46E-09	7.42E-09	4.30E-09	5.26E-09	4.77E-09	2.18E-09	1.91E-09	0.00E+00	0.00E+00	7.91E-10	1.79E-10	1.13E-09	1.75E-10	1.48E-10	2.43E-09
3486	491863.09	3849377.25	6.94E-06	8.51E-06	7.46E-06	2.40E-09	7.26E-09	4.20E-09	5.15E-09	4.67E-09	2.13E-09	1.87E-09	0.00E+00	0.00E+00	7.73E-10	1.75E-10	1.11E-09	1.71E-10	1.45E-10	2.37E-09
3487	492363.09	3849377.25	6.86E-06	8.41E-06	7.37E-06	2.38E-09	7.17E-09	4.15E-09	5.09E-09	4.61E-09	2.10E-09	1.84E-09	0.00E+00	0.00E+00	7.64E-10	1.73E-10	1.10E-09	1.69E-10	1.43E-10	2.34E-09
3488	492863.09	3849377.25	6.46E-06	7.91E-06	6.94E-06	2.24E-09	6.75E-09	3.91E-09	4.79E-09	4.34E-09	1.98E-09	1.74E-09	0.00E+00	0.00E+00	7.19E-10	1.63E-10	1.03E-09	1.59E-10	1.34E-10	2.21E-09
3489	493363.09	3849377.25	6.59E-06	8.07E-06	7.08E-06	2.28E-09	6.89E-09	3.99E-09	4.89E-09	4.43E-09	2.02E-09	1.77E-09	0.00E+00	0.00E+00	7.34E-10	1.66E-10	1.05E-09	1.62E-10	1.37E-10	2.25E-09
3490	493863.09	3849377.25	6.87E-06	8.42E-06	7.37E-06	2.38E-09	7.18E-09	4.16E-09	5.09E-09	4.62E-09	2.11E-09	1.85E-09	0.00E+00	0.00E+00	7.65E-10	1.73E-10	1.10E-09	1.69E-10	1.43E-10	2.35E-09
3491	494363.09	3849377.25	7.46E-06	9.14E-06	8.01E-06	2.58E-09	7.80E-09	4.51E-09	5.53E-09	5.01E-09	2.29E-09	2.00E-09	0.00E+00	0.00E+00	8.30E-10	1.88E-10	1.19E-09	1.84E-10	1.55E-10	2.55E-09
3492	494863.09	3849377.25	8.84E-06	1.08E-05	9.49E-06	3.06E-09	9.24E-09	5.35E-09	6.55E-09	5.94E-09	2.71E-09	2.37E-09	0.00E+00	0.00E+00	9.84E-10	2.22E-10	1.41E-09	2.18E-10	1.84E-10	3.02E-09
3493	495363.09	3849377.25	9.62E-06	1.18E-05	1.03E-05	3.33E-09	1.01E-08	5.82E-09	7.13E-09	6.47E-09	2.95E-09	2.59E-09	0.00E+00	0.00E+00	1.07E-09	2.42E-10	1.54E-09	2.37E-10	2.00E-10	3.29E-09
3494	495863.09	3849377.25	8.20E-06	1.00E-05	8.81E-06	2.84E-09	8.57E-09	4.96E-09	6.08E-09	5.51E-09	2.51E-09	2.20E-09	0.00E+00	0.00E+00	9.13E-10	2.06E-10	1.31E-09	2.02E-10	1.71E-10	2.80E-09
3495	496363.09	3849377.25	8.34E-06	1.02E-05	8.96E-06	2.89E-09	8.72E-09	5.05E-09	6.18E-09	5.60E-09	2.56E-09	2.24E-09	0.00E+00	0.00E+00	9.29E-10	2.10E-10	1.33E-09	2.05E-10	1.74E-10	2.85E-09
3496	496863.09	3849377.25	1.12E-05	1.38E-05	1.21E-05	3.89E-09	1.17E-08	6.80E-09	8.33E-09	7.55E-09	3.44E-09	3.02E-09	0.00E+00	0.00E+00	1.25E-09	2.83E-10	1.79E-09	2.77E-10	2.34E-10	3.84E-09
3497	497363.09	3849377.25	1.26E-05	1.54E-05	1.35E-05	4.36E-09	1.32E-08	7.62E-09	9.33E-09	8.46E-09	3.86E-09	3.38E-09	0.00E+00	0.00E+00	1.40E-09	3.17E-10	2.01E-09	3.10E-10	2.62E-10	4.30E-09
3498	497863.09	3849377.25	1.67E-05	2.04E-05	1.79E-05	5.77E-09	1.74E-08	1.01E-08	1.24E-08	1.12E-08	5.11E-09	4.48E-09	0.00E+00	0.00E+00	1.86E-09	4.19E-10	2.66E-09	4.10E-10	3.47E-10	5.69E-09
3499	498363.09	3849377.25	1.65E-05	2.02E-05	1.77E-05	5.72E-09	1.73E-08	9.99E-09	1.22E-08	1.11E-08	5.06E-09	4.44E-09	0.00E+00	0.00E+00	1.84E-09	4.15E-10	2.64E-09	4.06E-10	3.44E-10	5.64E-09
3500	471363.09	3849877.25	1.20E-05	1.47E-05	1.29E-05	4.14E-09	1.25E-08	7.24E-09	8.87E-09	8.04E-09	3.67E-09	3.22E-09	0.00E+00	0.00E+00	1.33E-09	3.01E-10	1.91E-09	2.95E-10	2.49E-10	4.09E-09
3501	471863.09	3849877.25	1.35E-05	1.65E-05	1.45E-05	4.67E-09	1.41E-08	8.17E-09	1.00E-08	9.07E-09	4.14E-09	3.63E-09	0.00E+00	0.00E+00	1.50E-09	3.40E-10	2.16E-09	3.32E-10	2.81E-10	4.61E-09
3502	472363.09	3849877.25	1.50E-05	1.84E-05	1.61E-05	5.19E-09	1.57E-08	9.07E-09	1.11E-08	1.01E-08	4.59E-09	4.03E-09	0.00E+00	0.00E+00	1.67E-09	3.77E-10	2.39E-09	3.69E-10	3.12E-10	5.12E-09
3503	472863.09	3849877.25	1.63E-05	2.00E-05	1.75E-05	5.65E-09	1.71E-08	9.88E-09	1.21E-08	1.10E-08	5.01E-09	4.39E-09	0.00E+00	0.00E+00	1.82E-09	4.11E-10	2.61E-09	4.02E-10	3.40E-10	5.58E-09
3504	473363.09	3849877.25	1.74E-05	2.14E-05	1.87E-05	6.04E-09	1.82E-08	1.06E-08	1.29E-08	1.17E-08	5.35E-09	4.69E-09	0.00E+00	0.00E+00	1.94E-09	4.39E-10	2.78E-09	4.29E-10	3.63E-10	5.96E-09
3505	473863.09	3849877.25	1.88E-05	2.30E-05	2.02E-05	6.50E-09	1.96E-08	1.14E-08	1.39E-08	1.26E-08	5.76E-09	5.05E-09	0.00E+00	0.00E+00	2.09E-09	4.73E-10	3.00E-09	4.62E-10	3.91E-10	6.42E-09
3506	474363.09	3849877.25	2.01E-05	2.47E-05	2.16E-05	6.97E-09	2.11E-08	1.22E-08	1.49E-08	1.35E-08	6.17E-09	5.42E-09	0.00E+00	0.00E+00	2.24E-09	5.07E-10	3.22E-09	4.96E-10	4.19E-10	6.88E-09
3507	474863.09	3849877.25	2.13E-05	2.61E-05	2.29E-05	7.38E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.54E-09	5.73E-09	0.00E+00	0.00E+00	2.37E-09	5.36E-10	3.40E-09	5.25E-10	4.44E-10	7.28E-09
3508	475363.09	3849877.25	2.22E-05	2.72E-05	2.38E-05	7.67E-09	2.32E-08	1.34E-08	1.64E-08	1.49E-08	6.80E-09	5.96E-09	0.00E+00	0.00E+00	2.47E-09	5.58E-10	3.54E-09	5.46E-10	4.62E-10	7.57E-09
3509	475863.09	3849877.25	2.29E-05	2.81E-05	2.46E-05	7.94E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.03E-09	6.17E-09	0.00E+00	0.00E+00	2.55E-09	5.77E-10	3.66E-09	5.65E-10	4.78E-10	7.83E-09
3510	476363.09	3849877.25	2.35E-05	2.88E-05	2.53E-05	8.14E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.21E-09	6.32E-09	0.00E+00	0.00E+00	2.62E-09	5.91E-10	3.75E-09	5.79E-10	4.90E-10	8.03E-09
3511	476863.09	3849877.25	2.41E-05	2.96E-05	2.59E-05	8.35E-09	2.52E-08	1.46E-08	1.79E-08	1.62E-08	7.40E-09	6.49E-09	0.00E+00	0.00E+00	2.69E-09	6.07E-10	3.85E-09	5.94E-10	5.03E-10	8.24E-09
3512	477363.09	3849877.25	2.43E-05	2.98E-05	2.61E-05	8.42E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.46E-09	6.54E-09	0.00E+00	0.00E+00	2.71E-09	6.12E-10	3.88E-09	5.99E-10	5.07E-10	8.31E-09
3513	477863.09	3849877.25	2.32E-05	2.85E-05	2.50E-05	8.04E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.12E-09	6.25E-09	0.00E+00	0.00E+00	2.59E-09	5.84E-10	3.71E-09	5.72E-10	4.84E-10	7.94E-09
3514	478363.09	3849877.25	2.32E-05	2.84E-05	2.49E-05	8.02E-09	2.42E-08	1.40E-08	1.72E-08	1.56E-08	7.10E-09	6.23E-09	0.00E+00	0.00E+00	2.58E-09	5.83E-10	3.70E-09	5.70E-10	4.82E-10	7.91E-09
3515	478863.09	3849877.25	2.80E-05	3.43E-05	3.01E-05	9.71E-09	2.93E-08	1.70E-08	2.08E-08	1.88E-08	8.60E-09	7.54E-09	0.00E+00	0.00E+00	3.12E-09	7.05E-10	4.48E-09	6.90E-10	5.84E-10	9.58E-09
3516	479363.09	3849877.25	3.24E-05	3.96E-05	3.48E-05	1.12E-08	3.38E-08	1.96E-08	2.40E-08	2.17E-08	9.92E-09	8.70E-09	0.00E+00	0.00E+00	3.60E-09	8.14E-10	5.17E-09	7.97E-10	6.74E-10	1.11E-08
3517	479863.09	3849877.25	3.36E-05	4.12E-05	3.61E-05	1.16E-08	3.51E-08	2.03E-08	2.49E-08	2.26E-08	1.03E-08	9.04E-09	0.00E+00	0.00E+00	3.74E-09	8.46E-10	5.37E-09	8.27E-10	7.00E-10	1.15E-08
3518	480363.09	3849877.25	2.76E-05	3.39E-05	2.97E-05	9.57E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.48E-09	7.43E-09	0.00E+00	0.00E+00	3.08E-09	6.96E-10	4.41E-09	6.81E-10	5.76E-10	9.44E-09
3519	480863.09	3849877.25	2.18E-05	2.67E-05	2.34E-05	7.56E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.87E-09	0.00E+00	0.00E+00	2.43E-09	5.49E-10	3.48E-09	5.37E-10	4.54E-10	7.46E-09
3520	481363.09	3849877.25	1.85E-05	2.27E-05	1.99E-05	6.41E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.67E-09	4.98E-09	0.00E+00	0.00E+00	2.06E-09	4.66E-10	2.96E-09	4.56E-10	3.85E-10	6.32E-09
3521	481863.09	3849877.25	1.15E-05	1.41E-05	1.24E-05	3.99E-09	1.20E-08	6.97E-09	8.54E-09	7.74E-09	3.53E-09	3.10E-09	0.00E+00	0.00E+00	1.28E-09	2.90E-10	1.84E-09	2.84E-10	2.40E-10	3.94E-09
3522	482363.09	3849877.25	8.94E-06	1.10E-05	9.61E-06	3.10E-09	9.35E-09	5.41E-09	6.63E-09	6.01E-09	2.74E-09	2.40E-09	0.00E+00	0.00E+00	9.95E-10	2.25E-10	1.43E-09	2.20E-10	1.86E-10	3.05E-09
3523	482863.09	3849877.25	7.67E-06	9.40E-06	8.24E-06	2.66E-09	8.02E-09	4.64E-09	5.69E-09	5.16E-09	2.35E-09	2.06E-09	0.00E+00	0.00E+00	8.54E-10	1.93E-10	1.23E-09	1.89E-10	1.60E-10	2.62E-09
3524	483363.09	3849877.25	6.70E-06	8.20E-06	7.19E-06	2.32E-09	7.00E-09	4.05E-09	4.96E-09	4.50E-09	2.05E-09	1.80E-09	0.00E+00	0.00E+00	7.45E-10	1.68E-10	1.07E-09	1.65E-10	1.39E-10	2.29E-09
3525	483863.09	3849877.25	6.60E-06	8.08E-06	7.09E-06	2.28E-09	6.90E-09	3.99E-09	4.89E-09	4.43E-09	2.02E-09	1.77E-09	0.00E+00	0.00E+00	7.35E-10	1.66E-10	1.05E-09	1.62E-10	1.37E-10	2.25E-09
3526	484363.09	3849877.25	9.00E-06	1.10E-05	9.67E-06	3.12E-09	9.41E-09	5.45E-09	6.67E-09	6.05E-09	2.76E-09	2.42E-09	0.00E+00	0.00E+00	1.00E-09	2.26E-10	1.44E-09	2.22E-10	1.87E-10	3.07E-09
3527	484863.09	3849877.25	1.23E-05	1.51E-05	1.32E-05	4.26E-09	1.29E-08	7.44E-09	9.11E-09	8.26E-09	3.77E-09	3.31E-09	0.00E+00	0.00E+00	1.37E-09	3.09E-10	1.96E-09	3.03E-10	2.56E-10	4.20E-09
3528	485363.09	3849877.25	1.09E-05	1.33E-05	1.17E-05	3.76E-09	1.13E-08	6.57E-09	8.04E-09	7.29E-09	3.33E-09	2.92E-09	0.00E+00	0.00E+00	1.21E-09	2.73E-10	1.73E-09	2.67E-10	2.26E-10	3.71E-09
3529	485863.09	3849877.25	8.94E-06	1.10E-05	9.60E-06	3.10E-09	9.35E-09	5.41E-09	6.63E-09	6.01E-09	2.74E-09	2.40E-09	0.00E+00	0.00E+00	9.95E-10	2.25E-10	1.43E-09	2.20E-10	1.86E-10	3.05E-09
3530	486363.09	3849877.25	8.02E-06	9.82E-06	8.62E-06	2.78E-09	8.38E-09	4.85E-09	5.94E-09	5.39E-09	2.46E-09	2.16E-09	0.00E+00	0.00E+00	8.93E-10	2.02E-10	1.28E-09	1.97E-10	1.67E-10	2.74E-09
3531	486863.09	3849877.25	8.74E-06	1.07E-05	9.39E-06	3.02E-09	9.13E-09	5.29E-09	6.47E-09	5.87E-09	2.68E-09	2.35E-09	0.00E+00	0.00E+00	9.72E-10	2.20E-10	1.39E-09	2.15E-10	1.82E-10	2.98E-09

3532	487363.09	3849877.25	8.59E-06	1.05E-05	9.22E-06	2.97E-09	8.97E-09	5.19E-09	6.36E-09	5.77E-09	2.63E-09	2.31E-09	0.00E+00	0.00E+00	9.56E-10	2.16E-10	1.37E-09	2.11E-10	1.79E-10	2.93E-09
3533	487863.09	3849877.25	8.37E-06	1.03E-05	8.99E-06	2.90E-09	8.75E-09	5.07E-09	6.20E-09	5.62E-09	2.57E-09	2.25E-09	0.00E+00	0.00E+00	9.32E-10	2.11E-10	1.34E-09	2.06E-10	1.74E-10	2.86E-09
3534	488363.09	3849877.25	8.59E-06	1.05E-05	9.22E-06	2.97E-09	8.97E-09	5.20E-09	6.36E-09	5.77E-09	2.63E-09	2.31E-09	0.00E+00	0.00E+00	9.56E-10	2.16E-10	1.37E-09	2.11E-10	1.79E-10	2.93E-09
3535	488863.09	3849877.25	8.93E-06	1.09E-05	9.59E-06	3.09E-09	9.33E-09	5.40E-09	6.62E-09	6.00E-09	2.74E-09	2.40E-09	0.00E+00	0.00E+00	9.94E-10	2.25E-10	1.43E-09	2.20E-10	1.86E-10	3.05E-09
3536	489363.09	3849877.25	9.05E-06	1.11E-05	9.72E-06	3.13E-09	9.46E-09	5.48E-09	6.71E-09	6.08E-09	2.77E-09	2.43E-09	0.00E+00	0.00E+00	1.01E-09	2.28E-10	1.44E-09	2.23E-10	1.88E-10	3.09E-09
3537	489863.09	3849877.25	8.98E-06	1.10E-05	9.65E-06	3.11E-09	9.39E-09	5.43E-09	6.66E-09	6.03E-09	2.75E-09	2.41E-09	0.00E+00	0.00E+00	1.00E-09	2.26E-10	1.43E-09	2.21E-10	1.87E-10	3.07E-09
3538	490363.09	3849877.25	8.76E-06	1.07E-05	9.42E-06	3.03E-09	9.16E-09	5.30E-09	6.50E-09	5.89E-09	2.69E-09	2.36E-09	0.00E+00	0.00E+00	9.76E-10	2.20E-10	1.40E-09	2.16E-10	1.82E-10	2.99E-09
3539	490863.09	3849877.25	8.90E-06	1.09E-05	9.56E-06	3.08E-09	9.31E-09	5.39E-09	6.60E-09	5.98E-09	2.73E-09	2.39E-09	0.00E+00	0.00E+00	9.91E-10	2.24E-10	1.42E-09	2.19E-10	1.85E-10	3.04E-09
3540	491363.09	3849877.25	9.11E-06	1.12E-05	9.79E-06	3.15E-09	9.52E-09	5.51E-09	6.75E-09	6.12E-09	2.79E-09	2.45E-09	0.00E+00	0.00E+00	1.01E-09	2.29E-10	1.45E-09	2.24E-10	1.90E-10	3.11E-09
3541	491863.09	3849877.25	8.97E-06	1.10E-05	9.63E-06	3.10E-09	9.37E-09	5.43E-09	6.65E-09	6.03E-09	2.75E-09	2.41E-09	0.00E+00	0.00E+00	9.98E-10	2.26E-10	1.43E-09	2.21E-10	1.87E-10	3.06E-09
3542	492363.09	3849877.25	8.98E-06	1.10E-05	9.65E-06	3.11E-09	9.39E-09	5.44E-09	6.66E-09	6.04E-09	2.75E-09	2.41E-09	0.00E+00	0.00E+00	1.00E-09	2.26E-10	1.43E-09	2.21E-10	1.87E-10	3.07E-09
3543	492863.09	3849877.25	8.69E-06	1.06E-05	9.32E-06	3.01E-09	9.08E-09	5.26E-09	6.44E-09	5.84E-09	2.66E-09	2.33E-09	0.00E+00	0.00E+00	9.67E-10	2.18E-10	1.39E-09	2.14E-10	1.81E-10	2.97E-09
3544	493363.09	3849877.25	8.44E-06	1.03E-05	9.06E-06	2.92E-09	8.82E-09	5.11E-09	6.25E-09	5.67E-09	2.59E-09	2.27E-09	0.00E+00	0.00E+00	9.39E-10	2.12E-10	1.35E-09	2.08E-10	1.76E-10	2.88E-09
3545	493863.09	3849877.25	8.49E-06	1.04E-05	9.11E-06	2.94E-09	8.87E-09	5.14E-09	6.29E-09	5.70E-09	2.60E-09	2.28E-09	0.00E+00	0.00E+00	9.45E-10	2.14E-10	1.36E-09	2.09E-10	1.77E-10	2.90E-09
3546	494363.09	3849877.25	1.05E-05	1.29E-05	1.13E-05	3.64E-09	1.10E-08	6.36E-09	7.79E-09	7.07E-09	3.22E-09	2.83E-09	0.00E+00	0.00E+00	1.17E-09	2.65E-10	1.68E-09	2.59E-10	2.19E-10	3.59E-09
3547	494863.09	3849877.25	1.23E-05	1.50E-05	1.32E-05	4.25E-09	1.28E-08	7.43E-09	9.10E-09	8.25E-09	3.76E-09	3.30E-09	0.00E+00	0.00E+00	1.37E-09	3.09E-10	1.96E-09	3.02E-10	2.55E-10	4.19E-09
3548	495363.09	3849877.25	1.13E-05	1.38E-05	1.21E-05	3.91E-09	1.18E-08	6.84E-09	8.38E-09	7.60E-09	3.47E-09	3.04E-09	0.00E+00	0.00E+00	1.26E-09	2.84E-10	1.80E-09	2.78E-10	2.35E-10	3.86E-09
3549	495863.09	3849877.25	1.33E-05	1.63E-05	1.43E-05	4.62E-09	1.39E-08	8.07E-09	9.88E-09	8.96E-09	4.09E-09	3.58E-09	0.00E+00	0.00E+00	1.48E-09	3.35E-10	2.13E-09	3.28E-10	2.77E-10	4.55E-09
3550	496363.09	3849877.25	1.44E-05	1.76E-05	1.55E-05	4.99E-09	1.51E-08	8.72E-09	1.07E-08	9.68E-09	4.42E-09	3.87E-09	0.00E+00	0.00E+00	1.60E-09	3.62E-10	2.30E-09	3.55E-10	3.00E-10	4.92E-09
3551	496863.09	3849877.25	1.53E-05	1.88E-05	1.64E-05	5.30E-09	1.60E-08	9.26E-09	1.13E-08	1.03E-08	4.69E-09	4.11E-09	0.00E+00	0.00E+00	1.70E-09	3.85E-10	2.44E-09	3.77E-10	3.19E-10	5.23E-09
3552	497363.09	3849877.25	1.86E-05	2.28E-05	2.00E-05	6.45E-09	1.95E-08	1.13E-08	1.38E-08	1.25E-08	5.71E-09	5.01E-09	0.00E+00	0.00E+00	2.07E-09	4.69E-10	2.98E-09	4.59E-10	3.88E-10	6.37E-09
3553	497863.09	3849877.25	2.02E-05	2.48E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.43E-09	0.00E+00	0.00E+00	2.25E-09	5.08E-10	3.23E-09	4.98E-10	4.21E-10	6.90E-09
3554	498363.09	3849877.25	1.98E-05	2.43E-05	2.13E-05	6.87E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.08E-09	5.33E-09	0.00E+00	0.00E+00	2.21E-09	4.99E-10	3.17E-09	4.88E-10	4.13E-10	6.77E-09
3555	471363.09	3850377.25	1.06E-05	1.29E-05	1.13E-05	3.66E-09	1.10E-08	6.39E-09	7.83E-09	7.09E-09	3.24E-09	2.84E-09	0.00E+00	0.00E+00	1.18E-09	2.66E-10	1.69E-09	2.60E-10	2.20E-10	3.61E-09
3556	471863.09	3850377.25	1.31E-05	1.61E-05	1.41E-05	4.55E-09	1.37E-08	7.95E-09	9.74E-09	8.83E-09	4.03E-09	3.53E-09	0.00E+00	0.00E+00	1.46E-09	3.31E-10	2.10E-09	3.23E-10	2.73E-10	4.49E-09
3557	472363.09	3850377.25	1.42E-05	1.74E-05	1.53E-05	4.92E-09	1.48E-08	8.59E-09	1.05E-08	9.54E-09	4.35E-09	3.82E-09	0.00E+00	0.00E+00	1.58E-09	3.57E-10	2.27E-09	3.50E-10	2.96E-10	4.85E-09
3558	472863.09	3850377.25	1.61E-05	1.97E-05	1.72E-05	5.56E-09	1.68E-08	9.71E-09	1.19E-08	1.08E-08	4.92E-09	4.32E-09	0.00E+00	0.00E+00	1.79E-09	4.04E-10	2.56E-09	3.95E-10	3.34E-10	5.48E-09
3559	473363.09	3850377.25	1.70E-05	2.09E-05	1.83E-05	5.90E-09	1.78E-08	1.03E-08	1.26E-08	1.15E-08	5.23E-09	4.58E-09	0.00E+00	0.00E+00	1.90E-09	4.29E-10	2.72E-09	4.20E-10	3.55E-10	5.82E-09
3560	473863.09	3850377.25	1.86E-05	2.27E-05	1.99E-05	6.43E-09	1.94E-08	1.12E-08	1.38E-08	1.25E-08	5.69E-09	4.99E-09	0.00E+00	0.00E+00	2.07E-09	4.67E-10	2.96E-09	4.57E-10	3.87E-10	6.34E-09
3561	474363.09	3850377.25	2.02E-05	2.47E-05	2.17E-05	6.99E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.19E-09	5.43E-09	0.00E+00	0.00E+00	2.25E-09	5.08E-10	3.22E-09	4.97E-10	4.21E-10	6.90E-09
3562	474863.09	3850377.25	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.87E-09	0.00E+00	0.00E+00	2.43E-09	5.49E-10	3.48E-09	5.37E-10	4.54E-10	7.45E-09
3563	475363.09	3850377.25	2.35E-05	2.87E-05	2.52E-05	8.13E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.20E-09	6.31E-09	0.00E+00	0.00E+00	2.61E-09	5.90E-10	3.75E-09	5.78E-10	4.89E-10	8.02E-09
3564	475863.09	3850377.25	2.49E-05	3.05E-05	2.67E-05	8.61E-09	2.60E-08	1.50E-08	1.84E-08	1.67E-08	7.62E-09	6.69E-09	0.00E+00	0.00E+00	2.77E-09	6.26E-10	3.97E-09	6.12E-10	5.18E-10	8.49E-09
3565	476363.09	3850377.25	2.60E-05	3.18E-05	2.79E-05	8.99E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.96E-09	6.98E-09	0.00E+00	0.00E+00	2.89E-09	6.53E-10	4.14E-09	6.39E-10	5.41E-10	8.87E-09
3566	476863.09	3850377.25	2.69E-05	3.30E-05	2.89E-05	9.31E-09	2.81E-08	1.63E-08	1.99E-08	1.81E-08	8.25E-09	7.24E-09	0.00E+00	0.00E+00	3.00E-09	6.77E-10	4.30E-09	6.62E-10	5.60E-10	9.19E-09
3567	477363.09	3850377.25	2.77E-05	3.40E-05	2.98E-05	9.60E-09	2.90E-08	1.68E-08	2.06E-08	1.86E-08	8.51E-09	7.46E-09	0.00E+00	0.00E+00	3.09E-09	6.98E-10	4.43E-09	6.83E-10	5.78E-10	9.48E-09
3568	477863.09	3850377.25	2.81E-05	3.44E-05	3.02E-05	9.72E-09	2.93E-08	1.70E-08	2.08E-08	1.89E-08	8.61E-09	7.55E-09	0.00E+00	0.00E+00	3.13E-09	7.06E-10	4.48E-09	6.91E-10	5.85E-10	9.59E-09
3569	478363.09	3850377.25	2.72E-05	3.33E-05	2.92E-05	9.40E-09	2.84E-08	1.64E-08	2.01E-08	1.82E-08	8.33E-09	7.31E-09	0.00E+00	0.00E+00	3.02E-09	6.83E-10	4.34E-09	6.69E-10	5.66E-10	9.28E-09
3570	478863.09	3850377.25	2.86E-05	3.51E-05	3.08E-05	9.91E-09	2.99E-08	1.73E-08	2.12E-08	1.92E-08	8.77E-09	7.70E-09	0.00E+00	0.00E+00	3.19E-09	7.20E-10	4.57E-09	7.05E-10	5.96E-10	9.78E-09
3571	479363.09	3850377.25	3.35E-05	4.11E-05	3.60E-05	1.16E-08	3.51E-08	2.03E-08	2.49E-08	2.25E-08	1.03E-08	9.02E-09	0.00E+00	0.00E+00	3.73E-09	8.44E-10	5.35E-09	8.26E-10	6.99E-10	1.15E-08
3572	479863.09	3850377.25	3.83E-05	4.69E-05	4.11E-05	1.33E-08	4.00E-08	2.32E-08	2.84E-08	2.57E-08	1.17E-08	1.03E-08	0.00E+00	0.00E+00	4.26E-09	9.64E-10	6.12E-09	9.43E-10	7.97E-10	1.31E-08
3573	480363.09	3850377.25	3.88E-05	4.75E-05	4.16E-05	1.34E-08	4.05E-08	2.35E-08	2.87E-08	2.60E-08	1.19E-08	1.04E-08	0.00E+00	0.00E+00	4.31E-09	9.75E-10	6.19E-09	9.54E-10	8.07E-10	1.32E-08
3574	480863.09	3850377.25	3.54E-05	4.33E-05	3.80E-05	1.22E-08	3.69E-08	2.14E-08	2.62E-08	2.38E-08	1.08E-08	9.50E-09	0.00E+00	0.00E+00	3.94E-09	8.89E-10	5.64E-09	8.70E-10	7.36E-10	1.21E-08
3575	481363.09	3850377.25	2.34E-05	2.87E-05	2.52E-05	8.12E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.19E-09	6.30E-09	0.00E+00	0.00E+00	2.61E-09	5.90E-10	3.74E-09	5.77E-10	4.88E-10	8.01E-09
3576	481863.09	3850377.25	2.14E-05	2.63E-05	2.30E-05	7.42E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.57E-09	5.76E-09	0.00E+00	0.00E+00	2.39E-09	5.39E-10	3.42E-09	5.28E-10	4.46E-10	7.32E-09
3577	482363.09	3850377.25	1.86E-05	2.28E-05	2.00E-05	6.44E-09	1.94E-08	1.13E-08	1.38E-08	1.25E-08	5.70E-09	5.00E-09	0.00E+00	0.00E+00	2.07E-09	4.68E-10	2.97E-09	4.58E-10	3.87E-10	6.35E-09
3578	482863.09	3850377.25	1.20E-05	1.47E-05	1.29E-05	4.16E-09	1.26E-08	7.27E-09	8.90E-09	8.07E-09	3.68E-09	3.23E-09	0.00E+00	0.00E+00	1.34E-09	3.02E-10	1.92E-09	2.96E-10	2.50E-10	4.10E-09
3579	483363.09	3850377.25	9.40E-06	1.15E-05	1.01E-05	3.26E-09	9.83E-09	5.69E-09	6.97E-09	6.32E-09	2.88E-09	2.53E-09	0.00E+00	0.00E+00	1.05E-09	2.37E-10	1.50E-09	2.31E-10	1.96E-10	3.21E-09
3580	483863.09	3850377.25	1.02E-05	1.25E-05	1.10E-05	3.54E-09	1.07E-08	6.19E-09	7.58E-09	6.87E-09	3.14E-09	2.75E-09	0.00E+00	0.00E+00	1.14E-09	2.57E-10	1.63E-09	2.52E-10	2.13E-10	3.49E-09
3581	484363.09	3850377.25	1.24E-05	1.52E-05	1.33E-05	4.29E-09	1.30E-08	7.50E-09	9.19E-09	8.33E-09	3.80E-09	3.34E-09	0.00E+00	0.00E+00	1.38E-09	3.12E-10	1.98E-09	3.05E-10	2.58E-10	4.24E-09
3582	484863.09	3850377.25	1.49E-05	1.83E-05	1.61E-05	5.17E-09	1.56E-08	9.04E-09	1.11E-08	1.00E-08	4.58E-09	4.02E-09	0.00E+00	0.00E+00	1.66E-09	3.76E-10	2.38E-09	3.68E-10	3.11E-10	5.10E-09
3583	485363.09	3850377.25	1.43E-05	1.76E-05	1.54E-05	4.97E-09	1.50E-08	8.68E-09	1.06E-08	9.64E-09	4.40E-09	3.86E-09	0.00E+00	0.00E+00	1.60E-09	3.61E-10	2.29E-09	3.53E-10	2.99E-10	4.90E-09
3584	485863.09	3850377.25	1.26E-05	1.54E-05	1.35E-05	4.35E-09	1.31E-08	7.60E-09	9.31E-09	8.44E-09	3.85E-09	3.38E-09	0.00E+00	0.00E+00	1.40E-09	3.16E-10	2.00E-09	3.09E-10	2.61E-10	4.29E-09
3585	486363.09	3850377.25	1.20E-05	1.47E-05	1.29E-05	4.15E-09	1.25E-08	7.25E-09	8.88E-09	8.05E-09	3.67E-09	3.22E-09	0.00E+00	0.00E+00	1.33E-09	3.01E-10	1.91E-09	2.95E-10	2.49E-10	4.09E-09
3586	486863.09	3850377.25	1.16E-05	1.42E-05	1.25E-05	4.02E-09	1.21E-08	7.02E-09	8.60E-09	7.80E-09	3.56E-09	3.12E-09	0.00E+00	0.00E+00	1.29E-09	2.92E-10	1.85E-09	2.86E-10	2.42E-10	3.96E-09
3587	487363.09	3850377.25	1.08E-05	1.33E-05	1.17E-05	3.76E-09	1.13E-08	6.56E-09	8.04E-09	7.29E-09	3.33E-09	2.92E-09	0.00E+00	0.00E+00	1.21E-09	2.73E-10	1.73E-09	2.67E-10	2.26E-10	3.71E-09
3588	487863.09	3850377.25	1.11E-05	1.36E-05	1.19E-05	3.84E-09	1.16E-08	6.71E-09	8.22E-09	7.45E-09	3.40E-09	2.98E-09	0.00E+00	0.00E+00	1.23E-09	2.79E-10	1.77E-09	2.73E-10	2.31E-10	3.79E-09
3589	488363.09	3850377.25	1.13E-05	1.38E-05	1.21E-05	3.90E-09	1.18E-08	6.83E-09	8.36E-09	7.58E-09	3.46E-09	3.03E-09	0.00E+00	0.00E+00	1.26E-09	2.84E-10	1.80E-09	2.78E-10	2.35E-10	3.85E-09

3590	488863.09	3850377.25	1.15E-05	1.41E-05	1.24E-05	3.98E-09	1.20E-08	6.96E-09	8.53E-09	7.73E-09	3.53E-09	3.09E-09	0.00E+00	0.00E+00	1.28E-09	2.90E-10	1.84E-09	2.83E-10	2.40E-10	3.93E-09
3591	489363.09	3850377.25	1.16E-05	1.43E-05	1.25E-05	4.03E-09	1.22E-08	7.04E-09	8.63E-09	7.82E-09	3.57E-09	3.13E-09	0.00E+00	0.00E+00	1.30E-09	2.93E-10	1.86E-09	2.87E-10	2.42E-10	3.98E-09
3592	489863.09	3850377.25	1.14E-05	1.40E-05	1.23E-05	3.96E-09	1.20E-08	6.92E-09	8.48E-09	7.69E-09	3.51E-09	3.08E-09	0.00E+00	0.00E+00	1.27E-09	2.88E-10	1.83E-09	2.82E-10	2.38E-10	3.91E-09
3593	490363.09	3850377.25	1.15E-05	1.41E-05	1.23E-05	3.98E-09	1.20E-08	6.95E-09	8.51E-09	7.72E-09	3.52E-09	3.09E-09	0.00E+00	0.00E+00	1.28E-09	2.89E-10	1.83E-09	2.83E-10	2.39E-10	3.92E-09
3594	490863.09	3850377.25	1.19E-05	1.45E-05	1.27E-05	4.10E-09	1.24E-08	7.17E-09	8.79E-09	7.97E-09	3.63E-09	3.19E-09	0.00E+00	0.00E+00	1.32E-09	2.98E-10	1.89E-09	2.92E-10	2.47E-10	4.05E-09
3595	491363.09	3850377.25	1.22E-05	1.49E-05	1.31E-05	4.21E-09	1.27E-08	7.36E-09	9.02E-09	8.17E-09	3.73E-09	3.27E-09	0.00E+00	0.00E+00	1.35E-09	3.06E-10	1.94E-09	2.99E-10	2.53E-10	4.15E-09
3596	491863.09	3850377.25	1.20E-05	1.46E-05	1.28E-05	4.14E-09	1.25E-08	7.23E-09	8.86E-09	8.03E-09	3.66E-09	3.21E-09	0.00E+00	0.00E+00	1.33E-09	3.01E-10	1.91E-09	2.94E-10	2.49E-10	4.08E-09
3597	492363.09	3850377.25	1.16E-05	1.42E-05	1.24E-05	4.01E-09	1.21E-08	7.00E-09	8.58E-09	7.77E-09	3.55E-09	3.11E-09	0.00E+00	0.00E+00	1.29E-09	2.91E-10	1.85E-09	2.85E-10	2.41E-10	3.95E-09
3598	492863.09	3850377.25	1.16E-05	1.42E-05	1.24E-05	4.00E-09	1.21E-08	7.00E-09	8.57E-09	7.77E-09	3.55E-09	3.11E-09	0.00E+00	0.00E+00	1.29E-09	2.91E-10	1.85E-09	2.85E-10	2.41E-10	3.95E-09
3599	493363.09	3850377.25	1.13E-05	1.38E-05	1.21E-05	3.90E-09	1.18E-08	6.82E-09	8.36E-09	7.58E-09	3.46E-09	3.03E-09	0.00E+00	0.00E+00	1.26E-09	2.84E-10	1.80E-09	2.78E-10	2.35E-10	3.85E-09
3600	493863.09	3850377.25	1.27E-05	1.55E-05	1.36E-05	4.39E-09	1.32E-08	7.67E-09	9.39E-09	8.52E-09	3.89E-09	3.41E-09	0.00E+00	0.00E+00	1.41E-09	3.19E-10	2.02E-09	3.12E-10	2.64E-10	4.33E-09
3601	494363.09	3850377.25	1.39E-05	1.71E-05	1.50E-05	4.83E-09	1.46E-08	8.43E-09	1.03E-08	9.37E-09	4.27E-09	3.74E-09	0.00E+00	0.00E+00	1.55E-09	3.51E-10	2.23E-09	3.43E-10	2.90E-10	4.76E-09
3602	494863.09	3850377.25	1.60E-05	1.96E-05	1.71E-05	5.53E-09	1.67E-08	9.66E-09	1.18E-08	1.07E-08	4.90E-09	4.29E-09	0.00E+00	0.00E+00	1.78E-09	4.02E-10	2.55E-09	3.93E-10	3.32E-10	5.45E-09
3603	495363.09	3850377.25	1.85E-05	2.26E-05	1.98E-05	6.40E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.67E-09	4.97E-09	0.00E+00	0.00E+00	2.06E-09	4.65E-10	2.95E-09	4.55E-10	3.85E-10	6.31E-09
3604	495863.09	3850377.25	1.80E-05	2.21E-05	1.93E-05	6.24E-09	1.88E-08	1.09E-08	1.34E-08	1.21E-08	5.52E-09	4.84E-09	0.00E+00	0.00E+00	2.01E-09	4.53E-10	2.88E-09	4.43E-10	3.75E-10	6.15E-09
3605	496363.09	3850377.25	2.05E-05	2.52E-05	2.21E-05	7.11E-09	2.15E-08	1.24E-08	1.52E-08	1.38E-08	6.30E-09	5.52E-09	0.00E+00	0.00E+00	2.29E-09	5.17E-10	3.28E-09	5.06E-10	4.28E-10	7.02E-09
3606	496863.09	3850377.25	2.30E-05	2.82E-05	2.47E-05	7.96E-09	2.40E-08	1.39E-08	1.70E-08	1.55E-08	7.05E-09	6.18E-09	0.00E+00	0.00E+00	2.56E-09	5.79E-10	3.67E-09	5.66E-10	4.79E-10	7.86E-09
3607	497363.09	3850377.25	2.43E-05	2.97E-05	2.61E-05	8.40E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.44E-09	6.52E-09	0.00E+00	0.00E+00	2.70E-09	6.10E-10	3.87E-09	5.97E-10	5.05E-10	8.29E-09
3608	497863.09	3850377.25	2.44E-05	2.99E-05	2.62E-05	8.44E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.48E-09	6.55E-09	0.00E+00	0.00E+00	2.71E-09	6.14E-10	3.89E-09	6.00E-10	5.08E-10	8.33E-09
3609	498363.09	3850377.25	2.44E-05	2.99E-05	2.62E-05	8.46E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.49E-09	6.57E-09	0.00E+00	0.00E+00	2.72E-09	6.15E-10	3.90E-09	6.02E-10	5.09E-10	8.35E-09
3610	471363.09	3850877.25	1.31E-05	1.60E-05	1.41E-05	4.53E-09	1.37E-08	7.92E-09	9.70E-09	8.79E-09	4.01E-09	3.52E-09	0.00E+00	0.00E+00	1.46E-09	3.29E-10	2.09E-09	3.22E-10	2.72E-10	4.47E-09
3611	471863.09	3850877.25	1.44E-05	1.77E-05	1.55E-05	4.99E-09	1.51E-08	8.72E-09	1.07E-08	9.69E-09	4.42E-09	3.87E-09	0.00E+00	0.00E+00	1.60E-09	3.63E-10	2.30E-09	3.55E-10	3.00E-10	4.92E-09
3612	472363.09	3850877.25	1.60E-05	1.96E-05	1.72E-05	5.53E-09	1.67E-08	9.67E-09	1.18E-08	1.07E-08	4.90E-09	4.29E-09	0.00E+00	0.00E+00	1.78E-09	4.02E-10	2.55E-09	3.93E-10	3.33E-10	5.46E-09
3613	472863.09	3850877.25	1.72E-05	2.11E-05	1.85E-05	5.95E-09	1.80E-08	1.04E-08	1.27E-08	1.16E-08	5.27E-09	4.62E-09	0.00E+00	0.00E+00	1.91E-09	4.33E-10	2.74E-09	4.23E-10	3.58E-10	5.87E-09
3614	473363.09	3850877.25	1.68E-05	2.06E-05	1.81E-05	5.83E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.17E-09	4.53E-09	0.00E+00	0.00E+00	1.88E-09	4.24E-10	2.69E-09	4.15E-10	3.51E-10	5.75E-09
3615	473863.09	3850877.25	1.84E-05	2.25E-05	1.97E-05	6.36E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.63E-09	4.94E-09	0.00E+00	0.00E+00	2.04E-09	4.62E-10	2.93E-09	4.52E-10	3.82E-10	6.27E-09
3616	474363.09	3850877.25	2.05E-05	2.51E-05	2.20E-05	7.09E-09	2.14E-08	1.24E-08	1.52E-08	1.38E-08	6.28E-09	5.51E-09	0.00E+00	0.00E+00	2.28E-09	5.16E-10	3.27E-09	5.05E-10	4.27E-10	7.00E-09
3617	474863.09	3850877.25	2.21E-05	2.71E-05	2.37E-05	7.65E-09	2.31E-08	1.34E-08	1.64E-08	1.48E-08	6.77E-09	5.94E-09	0.00E+00	0.00E+00	2.46E-09	5.56E-10	3.53E-09	5.44E-10	4.60E-10	7.54E-09
3618	475363.09	3850877.25	2.38E-05	2.92E-05	2.56E-05	8.24E-09	2.49E-08	1.44E-08	1.76E-08	1.60E-08	7.30E-09	6.40E-09	0.00E+00	0.00E+00	2.65E-09	5.99E-10	3.80E-09	5.86E-10	4.96E-10	8.13E-09
3619	475863.09	3850877.25	2.57E-05	3.15E-05	2.77E-05	8.91E-09	2.69E-08	1.56E-08	1.91E-08	1.73E-08	7.89E-09	6.92E-09	0.00E+00	0.00E+00	2.87E-09	6.48E-10	4.11E-09	6.34E-10	5.36E-10	8.79E-09
3620	476363.09	3850877.25	2.77E-05	3.39E-05	2.97E-05	9.58E-09	2.89E-08	1.68E-08	2.05E-08	1.86E-08	8.49E-09	7.44E-09	0.00E+00	0.00E+00	3.08E-09	6.96E-10	4.42E-09	6.82E-10	5.76E-10	9.46E-09
3621	476863.09	3850877.25	2.95E-05	3.61E-05	3.17E-05	1.02E-08	3.08E-08	1.78E-08	2.18E-08	1.98E-08	9.04E-09	7.93E-09	0.00E+00	0.00E+00	3.28E-09	7.42E-10	4.71E-09	7.26E-10	6.14E-10	1.01E-08
3622	477363.09	3850877.25	3.10E-05	3.80E-05	3.33E-05	1.07E-08	3.24E-08	1.88E-08	2.30E-08	2.08E-08	9.51E-09	8.34E-09	0.00E+00	0.00E+00	3.45E-09	7.80E-10	4.95E-09	7.63E-10	6.46E-10	1.06E-08
3623	477863.09	3850877.25	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.36E-08	1.95E-08	2.38E-08	2.16E-08	9.86E-09	8.65E-09	0.00E+00	0.00E+00	3.58E-09	8.09E-10	5.13E-09	7.92E-10	6.70E-10	1.10E-08
3624	478363.09	3850877.25	3.29E-05	4.03E-05	3.54E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.85E-09	0.00E+00	0.00E+00	3.66E-09	8.28E-10	5.25E-09	8.10E-10	6.85E-10	1.12E-08
3625	478863.09	3850877.25	3.33E-05	4.08E-05	3.58E-05	1.15E-08	3.48E-08	2.01E-08	2.47E-08	2.24E-08	1.02E-08	8.95E-09	0.00E+00	0.00E+00	3.70E-09	8.37E-10	5.31E-09	8.19E-10	6.93E-10	1.14E-08
3626	479363.09	3850877.25	3.41E-05	4.18E-05	3.67E-05	1.18E-08	3.56E-08	2.06E-08	2.53E-08	2.29E-08	1.05E-08	9.17E-09	0.00E+00	0.00E+00	3.80E-09	8.58E-10	5.44E-09	8.39E-10	7.10E-10	1.16E-08
3627	479863.09	3850877.25	3.90E-05	4.77E-05	4.19E-05	1.35E-08	4.07E-08	2.36E-08	2.89E-08	2.62E-08	1.19E-08	1.05E-08	0.00E+00	0.00E+00	4.34E-09	9.80E-10	6.22E-09	9.59E-10	8.11E-10	1.33E-08
3628	480363.09	3850877.25	4.60E-05	5.63E-05	4.94E-05	1.59E-08	4.81E-08	2.78E-08	3.41E-08	3.09E-08	1.41E-08	1.24E-08	0.00E+00	0.00E+00	5.12E-09	1.16E-09	7.34E-09	1.13E-09	9.57E-10	1.57E-08
3629	480863.09	3850877.25	4.78E-05	5.86E-05	5.14E-05	1.65E-08	5.00E-08	2.89E-08	3.54E-08	3.21E-08	1.47E-08	1.29E-08	0.00E+00	0.00E+00	5.32E-09	1.20E-09	7.63E-09	1.18E-09	9.95E-10	1.63E-08
3630	481363.09	3850877.25	4.33E-05	5.30E-05	4.65E-05	1.50E-08	4.52E-08	2.62E-08	3.21E-08	2.91E-08	1.33E-08	1.16E-08	0.00E+00	0.00E+00	4.82E-09	1.09E-09	6.91E-09	1.07E-09	9.01E-10	1.48E-08
3631	481863.09	3850877.25	3.56E-05	4.36E-05	3.83E-05	1.23E-08	3.72E-08	2.16E-08	2.64E-08	2.39E-08	1.09E-08	9.58E-09	0.00E+00	0.00E+00	3.97E-09	8.96E-10	5.69E-09	8.77E-10	7.42E-10	1.22E-08
3632	482363.09	3850877.25	2.77E-05	3.39E-05	2.97E-05	9.58E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.48E-09	7.44E-09	0.00E+00	0.00E+00	3.08E-09	6.96E-10	4.42E-09	6.81E-10	5.76E-10	9.45E-09
3633	482863.09	3850877.25	2.14E-05	2.63E-05	2.30E-05	7.42E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.57E-09	5.77E-09	0.00E+00	0.00E+00	2.39E-09	5.39E-10	3.42E-09	5.28E-10	4.47E-10	7.32E-09
3634	483363.09	3850877.25	1.60E-05	1.96E-05	1.72E-05	5.53E-09	1.67E-08	9.67E-09	1.18E-08	1.07E-08	4.90E-09	4.30E-09	0.00E+00	0.00E+00	1.78E-09	4.02E-10	2.55E-09	3.93E-10	3.33E-10	5.46E-09
3635	483863.09	3850877.25	1.55E-05	1.90E-05	1.67E-05	5.37E-09	1.62E-08	9.38E-09	1.15E-08	1.04E-08	4.75E-09	4.17E-09	0.00E+00	0.00E+00	1.73E-09	3.90E-10	2.48E-09	3.82E-10	3.23E-10	5.30E-09
3636	484363.09	3850877.25	1.80E-05	2.21E-05	1.94E-05	6.24E-09	1.88E-08	1.09E-08	1.34E-08	1.21E-08	5.53E-09	4.85E-09	0.00E+00	0.00E+00	2.01E-09	4.54E-10	2.88E-09	4.44E-10	3.76E-10	6.16E-09
3637	484863.09	3850877.25	1.76E-05	2.15E-05	1.89E-05	6.08E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.38E-09	4.73E-09	0.00E+00	0.00E+00	1.96E-09	4.42E-10	2.80E-09	4.32E-10	3.66E-10	6.00E-09
3638	485363.09	3850877.25	1.84E-05	2.25E-05	1.97E-05	6.35E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.63E-09	4.94E-09	0.00E+00	0.00E+00	2.04E-09	4.62E-10	2.93E-09	4.52E-10	3.82E-10	6.27E-09
3639	485863.09	3850877.25	1.53E-05	1.87E-05	1.64E-05	5.29E-09	1.60E-08	9.25E-09	1.13E-08	1.03E-08	4.69E-09	4.11E-09	0.00E+00	0.00E+00	1.70E-09	3.85E-10	2.44E-09	3.76E-10	3.18E-10	5.22E-09
3640	486363.09	3850877.25	1.57E-05	1.93E-05	1.69E-05	5.45E-09	1.65E-08	9.53E-09	1.17E-08	1.06E-08	4.83E-09	4.23E-09	0.00E+00	0.00E+00	1.75E-09	3.96E-10	2.51E-09	3.88E-10	3.28E-10	5.38E-09
3641	486863.09	3850877.25	1.51E-05	1.85E-05	1.62E-05	5.22E-09	1.58E-08	9.12E-09	1.12E-08	1.01E-08	4.62E-09	4.06E-09	0.00E+00	0.00E+00	1.68E-09	3.79E-10	2.41E-09	3.71E-10	3.14E-10	5.15E-09
3642	487363.09	3850877.25	1.44E-05	1.77E-05	1.55E-05	4.99E-09	1.51E-08	8.72E-09	1.07E-08	9.69E-09	4.42E-09	3.88E-09	0.00E+00	0.00E+00	1.60E-09	3.63E-10	2.30E-09	3.55E-10	3.00E-10	4.92E-09
3643	487863.09	3850877.25	1.47E-05	1.80E-05	1.57E-05	5.07E-09	1.53E-08	8.87E-09	1.09E-08	9.85E-09	4.49E-09	3.94E-09	0.00E+00	0.00E+00	1.63E-09	3.69E-10	2.34E-09	3.61E-10	3.05E-10	5.01E-09
3644	488363.09	3850877.25	1.50E-05	1.83E-05	1.61E-05	5.18E-09	1.57E-08	9.06E-09	1.11E-08	1.01E-08	4.59E-09	4.03E-09	0.00E+00	0.00E+00	1.67E-09	3.77E-10	2.39E-09	3.69E-10	3.12E-10	5.12E-09
3645	488863.09	3850877.25	1.51E-05	1.85E-05	1.63E-05	5.24E-09	1.58E-08	9.16E-09	1.12E-08	1.02E-08	4.64E-09	4.07E-09	0.00E+00	0.00E+00	1.69E-09	3.81E-10	2.42E-09	3.73E-10	3.15E-10	5.17E-09
3646	489363.09	3850877.25	1.54E-05	1.89E-05	1.66E-05	5.35E-09	1.61E-08	9.35E-09	1.15E-08	1.04E-08	4.74E-09	4.15E-09	0.00E+00	0.00E+00	1.72E-09	3.89E-10	2.47E-09	3.80E-10	3.22E-10	5.28E-09
3647	489863.09	3850877.25	1.56E-05	1.91E-05	1.68E-05	5.40E-09	1.63E-08	9.45E-09	1.16E-08	1.05E-08	4.79E-09	4.20E-09	0.00E+00	0.00E+00	1.74E-09	3.93E-10	2.49E-09	3.84E-10	3.25E-10	5.33E-09

3648	490363.09	3850877.25	1.63E-05	1.99E-05	1.75E-05	5.63E-09	1.70E-08	9.83E-09	1.20E-08	1.09E-08	4.98E-09	4.37E-09	0.00E+00	0.00E+00	1.81E-09	4.09E-10	2.59E-09	4.00E-10	3.38E-10	5.55E-09
3649	490863.09	3850877.25	1.69E-05	2.07E-05	1.81E-05	5.84E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.17E-09	4.53E-09	0.00E+00	0.00E+00	1.88E-09	4.24E-10	2.69E-09	4.15E-10	3.51E-10	5.76E-09
3650	491363.09	3850877.25	1.68E-05	2.06E-05	1.81E-05	5.83E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.16E-09	4.52E-09	0.00E+00	0.00E+00	1.87E-09	4.24E-10	2.69E-09	4.14E-10	3.50E-10	5.75E-09
3651	491863.09	3850877.25	1.66E-05	2.03E-05	1.78E-05	5.73E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.08E-09	4.45E-09	0.00E+00	0.00E+00	1.84E-09	4.17E-10	2.64E-09	4.08E-10	3.45E-10	5.66E-09
3652	492363.09	3850877.25	1.64E-05	2.01E-05	1.76E-05	5.67E-09	1.71E-08	9.92E-09	1.21E-08	1.10E-08	5.02E-09	4.40E-09	0.00E+00	0.00E+00	1.82E-09	4.12E-10	2.62E-09	4.03E-10	3.41E-10	5.60E-09
3653	492863.09	3850877.25	1.65E-05	2.02E-05	1.77E-05	5.71E-09	1.72E-08	9.97E-09	1.22E-08	1.11E-08	5.05E-09	4.43E-09	0.00E+00	0.00E+00	1.83E-09	4.15E-10	2.63E-09	4.06E-10	3.43E-10	5.63E-09
3654	493363.09	3850877.25	1.70E-05	2.08E-05	1.82E-05	5.88E-09	1.77E-08	1.03E-08	1.26E-08	1.14E-08	5.20E-09	4.56E-09	0.00E+00	0.00E+00	1.89E-09	4.27E-10	2.71E-09	4.18E-10	3.53E-10	5.80E-09
3655	493863.09	3850877.25	1.90E-05	2.33E-05	2.04E-05	6.58E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.83E-09	5.11E-09	0.00E+00	0.00E+00	2.12E-09	4.79E-10	3.04E-09	4.68E-10	3.96E-10	6.50E-09
3656	494363.09	3850877.25	2.02E-05	2.47E-05	2.17E-05	6.99E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.19E-09	5.43E-09	0.00E+00	0.00E+00	2.25E-09	5.08E-10	3.22E-09	4.97E-10	4.20E-10	6.90E-09
3657	494863.09	3850877.25	2.26E-05	2.77E-05	2.43E-05	7.82E-09	2.36E-08	1.37E-08	1.68E-08	1.52E-08	6.93E-09	6.07E-09	0.00E+00	0.00E+00	2.52E-09	5.69E-10	3.61E-09	5.56E-10	4.70E-10	7.72E-09
3658	495363.09	3850877.25	2.52E-05	3.09E-05	2.71E-05	8.74E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.74E-09	6.78E-09	0.00E+00	0.00E+00	2.81E-09	6.35E-10	4.03E-09	6.21E-10	5.25E-10	8.62E-09
3659	495863.09	3850877.25	2.59E-05	3.18E-05	2.79E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	0.00E+00	0.00E+00	2.89E-09	6.52E-10	4.14E-09	6.38E-10	5.40E-10	8.86E-09
3660	496363.09	3850877.25	2.75E-05	3.37E-05	2.95E-05	9.52E-09	2.87E-08	1.66E-08	2.04E-08	1.85E-08	8.43E-09	7.39E-09	0.00E+00	0.00E+00	3.06E-09	6.92E-10	4.39E-09	6.77E-10	5.72E-10	9.39E-09
3661	496863.09	3850877.25	3.00E-05	3.67E-05	3.22E-05	1.04E-08	3.13E-08	1.81E-08	2.22E-08	2.01E-08	9.19E-09	8.05E-09	0.00E+00	0.00E+00	3.34E-09	7.54E-10	4.78E-09	7.38E-10	6.24E-10	1.02E-08
3662	497363.09	3850877.25	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.17E-08	1.83E-08	2.25E-08	2.04E-08	9.29E-09	8.14E-09	0.00E+00	0.00E+00	3.37E-09	7.62E-10	4.84E-09	7.46E-10	6.31E-10	1.03E-08
3663	497863.09	3850877.25	2.99E-05	3.66E-05	3.21E-05	1.03E-08	3.12E-08	1.81E-08	2.22E-08	2.01E-08	9.16E-09	8.03E-09	0.00E+00	0.00E+00	3.33E-09	7.52E-10	4.77E-09	7.36E-10	6.22E-10	1.02E-08
3664	498363.09	3850877.25	2.94E-05	3.60E-05	3.16E-05	1.02E-08	3.07E-08	1.78E-08	2.18E-08	1.98E-08	9.02E-09	7.90E-09	0.00E+00	0.00E+00	3.27E-09	7.40E-10	4.70E-09	7.24E-10	6.12E-10	1.00E-08
3665	471363.09	3851377.25	1.40E-05	1.71E-05	1.50E-05	4.84E-09	1.46E-08	8.46E-09	1.04E-08	9.39E-09	4.29E-09	3.76E-09	0.00E+00	0.00E+00	1.56E-09	3.52E-10	2.23E-09	3.44E-10	2.91E-10	4.78E-09
3666	471863.09	3851377.25	1.67E-05	2.04E-05	1.79E-05	5.78E-09	1.74E-08	1.01E-08	1.24E-08	1.12E-08	5.12E-09	4.49E-09	0.00E+00	0.00E+00	1.86E-09	4.20E-10	2.66E-09	4.11E-10	3.47E-10	5.70E-09
3667	472363.09	3851377.25	1.72E-05	2.11E-05	1.85E-05	5.97E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.28E-09	4.63E-09	0.00E+00	0.00E+00	1.92E-09	4.34E-10	2.75E-09	4.24E-10	3.59E-10	5.89E-09
3668	472863.09	3851377.25	1.79E-05	2.19E-05	1.92E-05	6.18E-09	1.87E-08	1.08E-08	1.32E-08	1.20E-08	5.47E-09	4.80E-09	0.00E+00	0.00E+00	1.99E-09	4.49E-10	2.85E-09	4.39E-10	3.72E-10	6.10E-09
3669	473363.09	3851377.25	1.70E-05	2.08E-05	1.83E-05	5.89E-09	1.78E-08	1.03E-08	1.26E-08	1.14E-08	5.21E-09	4.57E-09	0.00E+00	0.00E+00	1.89E-09	4.28E-10	2.72E-09	4.19E-10	3.54E-10	5.81E-09
3670	473863.09	3851377.25	1.79E-05	2.19E-05	1.92E-05	6.20E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.49E-09	4.81E-09	0.00E+00	0.00E+00	1.99E-09	4.51E-10	2.86E-09	4.41E-10	3.73E-10	6.12E-09
3671	474363.09	3851377.25	2.02E-05	2.48E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.44E-09	0.00E+00	0.00E+00	2.25E-09	5.09E-10	3.23E-09	4.98E-10	4.21E-10	6.91E-09
3672	474863.09	3851377.25	2.21E-05	2.71E-05	2.37E-05	7.65E-09	2.31E-08	1.34E-08	1.64E-08	1.49E-08	6.78E-09	5.94E-09	0.00E+00	0.00E+00	2.46E-09	5.56E-10	3.53E-09	5.44E-10	4.60E-10	7.55E-09
3673	475363.09	3851377.25	2.42E-05	2.96E-05	2.60E-05	8.36E-09	2.52E-08	1.46E-08	1.79E-08	1.62E-08	7.40E-09	6.49E-09	0.00E+00	0.00E+00	2.69E-09	6.08E-10	3.86E-09	5.95E-10	5.03E-10	8.25E-09
3674	475863.09	3851377.25	2.60E-05	3.19E-05	2.80E-05	9.01E-09	2.72E-08	1.58E-08	1.93E-08	1.75E-08	7.98E-09	7.00E-09	0.00E+00	0.00E+00	2.90E-09	6.55E-10	4.16E-09	6.41E-10	5.42E-10	8.89E-09
3675	476363.09	3851377.25	2.82E-05	3.45E-05	3.03E-05	9.76E-09	2.95E-08	1.71E-08	2.09E-08	1.89E-08	8.65E-09	7.58E-09	0.00E+00	0.00E+00	3.14E-09	7.09E-10	4.50E-09	6.94E-10	5.87E-10	9.63E-09
3676	476863.09	3851377.25	3.02E-05	3.70E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.27E-09	8.13E-09	0.00E+00	0.00E+00	3.36E-09	7.60E-10	4.83E-09	7.44E-10	6.29E-10	1.03E-08
3677	477363.09	3851377.25	3.32E-05	4.07E-05	3.57E-05	1.15E-08	3.47E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.94E-09	0.00E+00	0.00E+00	3.70E-09	8.36E-10	5.31E-09	8.18E-10	6.92E-10	1.14E-08
3678	477863.09	3851377.25	3.56E-05	4.36E-05	3.83E-05	1.23E-08	3.72E-08	2.16E-08	2.64E-08	2.39E-08	1.09E-08	9.58E-09	0.00E+00	0.00E+00	3.97E-09	8.96E-10	5.69E-09	8.77E-10	7.42E-10	1.22E-08
3679	478363.09	3851377.25	3.75E-05	4.60E-05	4.03E-05	1.30E-08	3.92E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	0.00E+00	0.00E+00	4.18E-09	9.44E-10	5.99E-09	9.24E-10	7.82E-10	1.28E-08
3680	478863.09	3851377.25	3.89E-05	4.77E-05	4.19E-05	1.35E-08	4.07E-08	2.36E-08	2.89E-08	2.62E-08	1.19E-08	1.05E-08	0.00E+00	0.00E+00	4.34E-09	9.80E-10	6.22E-09	9.59E-10	8.11E-10	1.33E-08
3681	479363.09	3851377.25	3.97E-05	4.86E-05	4.26E-05	1.37E-08	4.15E-08	2.40E-08	2.94E-08	2.66E-08	1.22E-08	1.07E-08	0.00E+00	0.00E+00	4.42E-09	9.98E-10	6.33E-09	9.76E-10	8.26E-10	1.35E-08
3682	479863.09	3851377.25	4.07E-05	4.99E-05	4.38E-05	1.41E-08	4.26E-08	2.46E-08	3.02E-08	2.74E-08	1.25E-08	1.10E-08	0.00E+00	0.00E+00	4.53E-09	1.02E-09	6.50E-09	1.00E-09	8.48E-10	1.39E-08
3683	480363.09	3851377.25	4.64E-05	5.69E-05	4.99E-05	1.61E-08	4.85E-08	2.81E-08	3.44E-08	3.12E-08	1.42E-08	1.25E-08	0.00E+00	0.00E+00	5.17E-09	1.17E-09	7.41E-09	1.14E-09	9.67E-10	1.59E-08
3684	480863.09	3851377.25	5.47E-05	6.71E-05	5.88E-05	1.90E-08	5.72E-08	3.31E-08	4.06E-08	3.68E-08	1.68E-08	1.47E-08	0.00E+00	0.00E+00	6.09E-09	1.38E-09	8.74E-09	1.35E-09	1.14E-09	1.87E-08
3685	481363.09	3851377.25	5.76E-05	7.06E-05	6.19E-05	2.00E-08	6.02E-08	3.49E-08	4.27E-08	3.87E-08	1.77E-08	1.55E-08	0.00E+00	0.00E+00	6.42E-09	1.45E-09	9.20E-09	1.42E-09	1.20E-09	1.97E-08
3686	481863.09	3851377.25	5.12E-05	6.27E-05	5.50E-05	1.77E-08	5.35E-08	3.10E-08	3.80E-08	3.44E-08	1.57E-08	1.38E-08	0.00E+00	0.00E+00	5.70E-09	1.29E-09	8.17E-09	1.26E-09	1.07E-09	1.75E-08
3687	482363.09	3851377.25	4.42E-05	5.42E-05	4.75E-05	1.53E-08	4.62E-08	2.68E-08	3.28E-08	2.97E-08	1.36E-08	1.19E-08	0.00E+00	0.00E+00	4.93E-09	1.11E-09	7.06E-09	1.09E-09	9.21E-10	1.51E-08
3688	482863.09	3851377.25	3.44E-05	4.21E-05	3.69E-05	1.19E-08	3.59E-08	2.08E-08	2.55E-08	2.31E-08	1.05E-08	9.24E-09	0.00E+00	0.00E+00	3.82E-09	8.64E-10	5.49E-09	8.46E-10	7.16E-10	1.17E-08
3689	483363.09	3851377.25	2.44E-05	2.98E-05	2.62E-05	8.43E-09	2.55E-08	1.47E-08	1.81E-08	1.64E-08	7.47E-09	6.55E-09	0.00E+00	0.00E+00	2.71E-09	6.13E-10	3.89E-09	6.00E-10	5.07E-10	8.32E-09
3690	483863.09	3851377.25	2.12E-05	2.60E-05	2.28E-05	7.35E-09	2.22E-08	1.29E-08	1.57E-08	1.43E-08	6.51E-09	5.71E-09	0.00E+00	0.00E+00	2.36E-09	5.34E-10	3.39E-09	5.23E-10	4.42E-10	7.25E-09
3691	484363.09	3851377.25	2.66E-05	3.26E-05	2.86E-05	9.21E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.16E-09	7.15E-09	0.00E+00	0.00E+00	2.96E-09	6.69E-10	4.25E-09	6.55E-10	5.54E-10	9.09E-09
3692	484863.09	3851377.25	1.84E-05	2.26E-05	1.98E-05	6.38E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.65E-09	4.96E-09	0.00E+00	0.00E+00	2.05E-09	4.64E-10	2.94E-09	4.54E-10	3.84E-10	6.30E-09
3693	485363.09	3851377.25	2.47E-05	3.02E-05	2.65E-05	8.54E-09	2.58E-08	1.49E-08	1.83E-08	1.66E-08	7.56E-09	6.63E-09	0.00E+00	0.00E+00	2.74E-09	6.20E-10	3.94E-09	6.07E-10	5.13E-10	8.42E-09
3694	485863.09	3851377.25	1.99E-05	2.44E-05	2.14E-05	6.91E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.37E-09	0.00E+00	0.00E+00	2.22E-09	5.02E-10	3.18E-09	4.91E-10	4.16E-10	6.81E-09
3695	486363.09	3851377.25	2.17E-05	2.66E-05	2.33E-05	7.52E-09	2.27E-08	1.31E-08	1.61E-08	1.46E-08	6.66E-09	5.84E-09	0.00E+00	0.00E+00	2.42E-09	5.47E-10	3.47E-09	5.35E-10	4.52E-10	7.42E-09
3696	486863.09	3851377.25	2.05E-05	2.52E-05	2.21E-05	7.11E-09	2.15E-08	1.24E-08	1.52E-08	1.38E-08	6.30E-09	5.52E-09	0.00E+00	0.00E+00	2.29E-09	5.17E-10	3.28E-09	5.06E-10	4.28E-10	7.01E-09
3697	487363.09	3851377.25	1.77E-05	2.17E-05	1.90E-05	6.14E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.44E-09	4.77E-09	0.00E+00	0.00E+00	1.97E-09	4.46E-10	2.83E-09	4.37E-10	3.69E-10	6.06E-09
3698	487863.09	3851377.25	1.98E-05	2.43E-05	2.13E-05	6.87E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.08E-09	5.33E-09	0.00E+00	0.00E+00	2.21E-09	4.99E-10	3.17E-09	4.88E-10	4.13E-10	6.78E-09
3699	488363.09	3851377.25	2.06E-05	2.52E-05	2.21E-05	7.13E-09	2.15E-08	1.25E-08	1.53E-08	1.38E-08	6.32E-09	5.54E-09	0.00E+00	0.00E+00	2.29E-09	5.18E-10	3.29E-09	5.07E-10	4.29E-10	7.04E-09
3700	488863.09	3851377.25	2.09E-05	2.57E-05	2.25E-05	7.25E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.42E-09	5.63E-09	0.00E+00	0.00E+00	2.33E-09	5.27E-10	3.34E-09	5.16E-10	4.36E-10	7.15E-09
3701	489363.09	3851377.25	2.16E-05	2.65E-05	2.32E-05	7.48E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.62E-09	5.81E-09	0.00E+00	0.00E+00	2.40E-09	5.43E-10	3.45E-09	5.32E-10	4.50E-10	7.38E-09
3702	489863.09	3851377.25	2.23E-05	2.73E-05	2.39E-05	7.71E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.83E-09	5.99E-09	0.00E+00	0.00E+00	2.48E-09	5.61E-10	3.56E-09	5.48E-10	4.64E-10	7.61E-09
3703	490363.09	3851377.25	2.31E-05	2.83E-05	2.48E-05	7.99E-09	2.41E-08	1.40E-08	1.71E-08	1.55E-08	7.07E-09	6.20E-09	0.00E+00	0.00E+00	2.57E-09	5.81E-10	3.68E-09	5.68E-10	4.80E-10	7.88E-09
3704	490863.09	3851377.25	2.35E-05	2.88E-05	2.53E-05	8.14E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.21E-09	6.32E-09	0.00E+00	0.00E+00	2.62E-09	5.92E-10	3.76E-09	5.79E-10	4.89E-10	8.03E-09
3705	491363.09	3851377.25	2.33E-05	2.86E-05	2.50E-05	8.07E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.15E-09	6.27E-09	0.00E+00	0.00E+00	2.60E-09	5.87E-10	3.72E-09	5.74E-10	4.85E-10	7.97E-09

3706	491863.09	3851377.25	2.33E-05	2.86E-05	2.50E-05	8.07E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.15E-09	6.26E-09	0.00E+00	0.00E+00	2.60E-09	5.87E-10	3.72E-09	5.74E-10	4.85E-10	7.96E-09
3707	492363.09	3851377.25	2.37E-05	2.90E-05	2.54E-05	8.19E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.25E-09	6.36E-09	0.00E+00	0.00E+00	2.63E-09	5.95E-10	3.78E-09	5.83E-10	4.92E-10	8.08E-09
3708	492863.09	3851377.25	2.33E-05	2.86E-05	2.51E-05	8.08E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.16E-09	6.27E-09	0.00E+00	0.00E+00	2.60E-09	5.87E-10	3.73E-09	5.75E-10	4.86E-10	7.97E-09
3709	493363.09	3851377.25	2.12E-05	2.60E-05	2.28E-05	7.35E-09	2.22E-08	1.28E-08	1.57E-08	1.43E-08	6.51E-09	5.70E-09	0.00E+00	0.00E+00	2.36E-09	5.34E-10	3.39E-09	5.23E-10	4.42E-10	7.25E-09
3710	493863.09	3851377.25	2.35E-05	2.88E-05	2.53E-05	8.14E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.21E-09	6.32E-09	0.00E+00	0.00E+00	2.62E-09	5.92E-10	3.76E-09	5.79E-10	4.89E-10	8.03E-09
3711	494363.09	3851377.25	2.83E-05	3.47E-05	3.04E-05	9.80E-09	2.96E-08	1.71E-08	2.10E-08	1.90E-08	8.68E-09	7.61E-09	0.00E+00	0.00E+00	3.15E-09	7.12E-10	4.52E-09	6.97E-10	5.89E-10	9.67E-09
3712	494863.09	3851377.25	2.97E-05	3.63E-05	3.19E-05	1.03E-08	3.10E-08	1.79E-08	2.20E-08	1.99E-08	9.09E-09	7.97E-09	0.00E+00	0.00E+00	3.30E-09	7.46E-10	4.73E-09	7.30E-10	6.17E-10	1.01E-08
3713	495363.09	3851377.25	3.46E-05	4.24E-05	3.71E-05	1.20E-08	3.62E-08	2.09E-08	2.56E-08	2.32E-08	1.06E-08	9.30E-09	0.00E+00	0.00E+00	3.85E-09	8.70E-10	5.52E-09	8.51E-10	7.20E-10	1.18E-08
3714	495863.09	3851377.25	3.65E-05	4.47E-05	3.92E-05	1.26E-08	3.82E-08	2.21E-08	2.71E-08	2.45E-08	1.12E-08	9.82E-09	0.00E+00	0.00E+00	4.07E-09	9.19E-10	5.83E-09	8.99E-10	7.60E-10	1.25E-08
3715	496363.09	3851377.25	3.75E-05	4.59E-05	4.02E-05	1.30E-08	3.92E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	0.00E+00	0.00E+00	4.17E-09	9.43E-10	5.98E-09	9.22E-10	7.80E-10	1.28E-08
3716	496863.09	3851377.25	3.77E-05	4.62E-05	4.05E-05	1.31E-08	3.94E-08	2.28E-08	2.79E-08	2.53E-08	1.16E-08	1.01E-08	0.00E+00	0.00E+00	4.20E-09	9.48E-10	6.02E-09	9.28E-10	7.84E-10	1.29E-08
3717	497363.09	3851377.25	3.77E-05	4.62E-05	4.05E-05	1.31E-08	3.94E-08	2.28E-08	2.79E-08	2.53E-08	1.16E-08	1.01E-08	0.00E+00	0.00E+00	4.20E-09	9.48E-10	6.02E-09	9.28E-10	7.85E-10	1.29E-08
3718	497863.09	3851377.25	3.70E-05	4.53E-05	3.97E-05	1.28E-08	3.87E-08	2.24E-08	2.74E-08	2.48E-08	1.13E-08	9.94E-09	0.00E+00	0.00E+00	4.12E-09	9.30E-10	5.90E-09	9.10E-10	7.70E-10	1.26E-08
3719	498363.09	3851377.25	3.49E-05	4.28E-05	3.75E-05	1.21E-08	3.65E-08	2.11E-08	2.59E-08	2.35E-08	1.07E-08	9.38E-09	0.00E+00	0.00E+00	3.89E-09	8.78E-10	5.57E-09	8.59E-10	7.26E-10	1.19E-08
3720	471363.09	3851877.25	1.56E-05	1.91E-05	1.67E-05	5.39E-09	1.63E-08	9.41E-09	1.15E-08	1.05E-08	4.77E-09	4.18E-09	0.00E+00	0.00E+00	1.73E-09	3.91E-10	2.48E-09	3.83E-10	3.24E-10	5.31E-09
3721	471863.09	3851877.25	1.53E-05	1.88E-05	1.65E-05	5.31E-09	1.60E-08	9.28E-09	1.14E-08	1.03E-08	4.70E-09	4.12E-09	0.00E+00	0.00E+00	1.71E-09	3.86E-10	2.45E-09	3.78E-10	3.19E-10	5.24E-09
3722	472363.09	3851877.25	1.71E-05	2.09E-05	1.84E-05	5.92E-09	1.79E-08	1.03E-08	1.27E-08	1.15E-08	5.24E-09	4.60E-09	0.00E+00	0.00E+00	1.90E-09	4.30E-10	2.73E-09	4.21E-10	3.56E-10	5.84E-09
3723	472863.09	3851877.25	1.87E-05	2.29E-05	2.01E-05	6.47E-09	1.95E-08	1.13E-08	1.39E-08	1.26E-08	5.73E-09	5.03E-09	0.00E+00	0.00E+00	2.08E-09	4.70E-10	2.98E-09	4.60E-10	3.89E-10	6.38E-09
3724	473363.09	3851877.25	1.81E-05	2.21E-05	1.94E-05	6.26E-09	1.89E-08	1.09E-08	1.34E-08	1.21E-08	5.54E-09	4.86E-09	0.00E+00	0.00E+00	2.01E-09	4.55E-10	2.89E-09	4.45E-10	3.76E-10	6.17E-09
3725	473863.09	3851877.25	1.88E-05	2.30E-05	2.02E-05	6.51E-09	1.97E-08	1.14E-08	1.39E-08	1.26E-08	5.76E-09	5.06E-09	0.00E+00	0.00E+00	2.09E-09	4.73E-10	3.00E-09	4.63E-10	3.91E-10	6.42E-09
3726	474363.09	3851877.25	2.16E-05	2.64E-05	2.32E-05	7.46E-09	2.25E-08	1.30E-08	1.60E-08	1.45E-08	6.61E-09	5.80E-09	0.00E+00	0.00E+00	2.40E-09	5.42E-10	3.44E-09	5.31E-10	4.49E-10	7.36E-09
3727	474863.09	3851877.25	2.40E-05	2.93E-05	2.57E-05	8.29E-09	2.50E-08	1.45E-08	1.78E-08	1.61E-08	7.34E-09	6.44E-09	0.00E+00	0.00E+00	2.67E-09	6.03E-10	3.82E-09	5.90E-10	4.98E-10	8.18E-09
3728	475363.09	3851877.25	2.54E-05	3.11E-05	2.73E-05	8.79E-09	2.66E-08	1.54E-08	1.88E-08	1.71E-08	7.79E-09	6.83E-09	0.00E+00	0.00E+00	2.83E-09	6.39E-10	4.06E-09	6.25E-10	5.29E-10	8.68E-09
3729	475863.09	3851877.25	2.66E-05	3.26E-05	2.86E-05	9.22E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.16E-09	7.16E-09	0.00E+00	0.00E+00	2.96E-09	6.70E-10	4.25E-09	6.55E-10	5.54E-10	9.09E-09
3730	476363.09	3851877.25	2.71E-05	3.32E-05	2.91E-05	9.38E-09	2.83E-08	1.64E-08	2.01E-08	1.82E-08	8.30E-09	7.28E-09	0.00E+00	0.00E+00	3.01E-09	6.81E-10	4.32E-09	6.67E-10	5.64E-10	9.25E-09
3731	476863.09	3851877.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.10E-08	1.80E-08	2.20E-08	2.00E-08	9.11E-09	7.99E-09	0.00E+00	0.00E+00	3.31E-09	7.47E-10	4.74E-09	7.31E-10	6.18E-10	1.01E-08
3732	477363.09	3851877.25	3.29E-05	4.03E-05	3.54E-05	1.14E-08	3.44E-08	1.99E-08	2.44E-08	2.21E-08	1.01E-08	8.86E-09	0.00E+00	0.00E+00	3.67E-09	8.29E-10	5.26E-09	8.11E-10	6.86E-10	1.12E-08
3733	477863.09	3851877.25	3.64E-05	4.46E-05	3.91E-05	1.26E-08	3.80E-08	2.20E-08	2.70E-08	2.45E-08	1.12E-08	9.79E-09	0.00E+00	0.00E+00	4.05E-09	9.16E-10	5.81E-09	8.96E-10	7.58E-10	1.24E-08
3734	478363.09	3851877.25	3.94E-05	4.83E-05	4.23E-05	1.36E-08	4.12E-08	2.39E-08	2.92E-08	2.65E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.39E-09	9.92E-10	6.29E-09	9.70E-10	8.21E-10	1.35E-08
3735	478863.09	3851877.25	4.34E-05	5.32E-05	4.66E-05	1.50E-08	4.54E-08	2.63E-08	3.22E-08	2.92E-08	1.33E-08	1.17E-08	0.00E+00	0.00E+00	4.83E-09	1.09E-09	6.93E-09	1.07E-09	9.04E-10	1.48E-08
3736	479363.09	3851877.25	4.67E-05	5.72E-05	5.02E-05	1.62E-08	4.88E-08	2.83E-08	3.46E-08	3.14E-08	1.43E-08	1.26E-08	0.00E+00	0.00E+00	5.20E-09	1.18E-09	7.46E-09	1.15E-09	9.73E-10	1.60E-08
3737	479863.09	3851877.25	4.83E-05	5.91E-05	5.19E-05	1.67E-08	5.05E-08	2.92E-08	3.58E-08	3.24E-08	1.48E-08	1.30E-08	0.00E+00	0.00E+00	5.37E-09	1.21E-09	7.71E-09	1.19E-09	1.01E-09	1.65E-08
3738	480363.09	3851877.25	4.96E-05	6.08E-05	5.34E-05	1.72E-08	5.19E-08	3.00E-08	3.68E-08	3.33E-08	1.52E-08	1.34E-08	0.00E+00	0.00E+00	5.53E-09	1.25E-09	7.92E-09	1.22E-09	1.03E-09	1.70E-08
3739	480863.09	3851877.25	5.63E-05	6.89E-05	6.05E-05	1.95E-08	5.88E-08	3.40E-08	4.17E-08	3.78E-08	1.72E-08	1.51E-08	0.00E+00	0.00E+00	6.26E-09	1.42E-09	8.98E-09	1.38E-09	1.17E-09	1.92E-08
3740	481363.09	3851877.25	6.63E-05	8.12E-05	7.13E-05	2.30E-08	6.93E-08	4.01E-08	4.92E-08	4.46E-08	2.03E-08	1.78E-08	0.00E+00	0.00E+00	7.38E-09	1.67E-09	1.06E-08	1.63E-09	1.38E-09	2.27E-08
3741	481863.09	3851877.25	7.04E-05	8.62E-05	7.57E-05	2.44E-08	7.36E-08	4.26E-08	5.22E-08	4.73E-08	2.16E-08	1.89E-08	0.00E+00	0.00E+00	7.84E-09	1.77E-09	1.12E-08	1.73E-09	1.47E-09	2.40E-08
3742	482363.09	3851877.25	5.66E-05	6.93E-05	6.08E-05	1.96E-08	5.91E-08	3.42E-08	4.19E-08	3.80E-08	1.73E-08	1.52E-08	0.00E+00	0.00E+00	6.30E-09	1.42E-09	9.03E-09	1.39E-09	1.18E-09	1.93E-08
3743	482863.09	3851877.25	3.92E-05	4.80E-05	4.21E-05	1.36E-08	4.10E-08	2.37E-08	2.91E-08	2.63E-08	1.20E-08	1.05E-08	0.00E+00	0.00E+00	4.36E-09	9.86E-10	6.26E-09	9.65E-10	8.16E-10	1.34E-08
3744	483363.09	3851877.25	3.94E-05	4.82E-05	4.23E-05	1.36E-08	4.11E-08	2.38E-08	2.92E-08	2.64E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.38E-09	9.90E-10	6.28E-09	9.69E-10	8.20E-10	1.34E-08
3745	483863.09	3851877.25	3.58E-05	4.38E-05	3.84E-05	1.24E-08	3.74E-08	2.16E-08	2.65E-08	2.40E-08	1.10E-08	9.62E-09	0.00E+00	0.00E+00	3.98E-09	9.00E-10	5.71E-09	8.81E-10	7.45E-10	1.22E-08
3746	484363.09	3851877.25	3.78E-05	4.63E-05	4.06E-05	1.31E-08	3.95E-08	2.29E-08	2.80E-08	2.54E-08	1.16E-08	1.02E-08	0.00E+00	0.00E+00	4.21E-09	9.51E-10	6.04E-09	9.31E-10	7.87E-10	1.29E-08
3747	484863.09	3851877.25	3.24E-05	3.97E-05	3.48E-05	1.12E-08	3.38E-08	1.96E-08	2.40E-08	2.17E-08	9.92E-09	8.71E-09	0.00E+00	0.00E+00	3.60E-09	8.14E-10	5.17E-09	7.97E-10	6.75E-10	1.11E-08
3748	485363.09	3851877.25	3.31E-05	4.05E-05	3.56E-05	1.15E-08	3.46E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.90E-09	0.00E+00	0.00E+00	3.68E-09	8.33E-10	5.28E-09	8.15E-10	6.89E-10	1.13E-08
3749	485863.09	3851877.25	3.31E-05	4.06E-05	3.56E-05	1.15E-08	3.46E-08	2.00E-08	2.45E-08	2.23E-08	1.02E-08	8.91E-09	0.00E+00	0.00E+00	3.69E-09	8.33E-10	5.29E-09	8.15E-10	6.90E-10	1.13E-08
3750	486363.09	3851877.25	2.89E-05	3.54E-05	3.10E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.85E-09	7.77E-09	0.00E+00	0.00E+00	3.21E-09	7.27E-10	4.61E-09	7.11E-10	6.01E-10	9.86E-09
3751	486863.09	3851877.25	2.86E-05	3.51E-05	3.08E-05	9.91E-09	2.99E-08	1.73E-08	2.12E-08	1.92E-08	8.78E-09	7.70E-09	0.00E+00	0.00E+00	3.19E-09	7.20E-10	4.57E-09	7.05E-10	5.96E-10	9.78E-09
3752	487363.09	3851877.25	2.84E-05	3.48E-05	3.05E-05	9.82E-09	2.97E-08	1.72E-08	2.10E-08	1.91E-08	8.70E-09	7.63E-09	0.00E+00	0.00E+00	3.16E-09	7.14E-10	4.53E-09	6.99E-10	5.91E-10	9.69E-09
3753	487863.09	3851877.25	2.49E-05	3.05E-05	2.67E-05	8.61E-09	2.60E-08	1.50E-08	1.84E-08	1.67E-08	7.63E-09	6.69E-09	0.00E+00	0.00E+00	2.77E-09	6.26E-10	3.97E-09	6.12E-10	5.18E-10	8.50E-09
3754	488363.09	3851877.25	2.59E-05	3.17E-05	2.78E-05	8.96E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.94E-09	6.96E-09	0.00E+00	0.00E+00	2.88E-09	6.51E-10	4.13E-09	6.37E-10	5.39E-10	8.84E-09
3755	488863.09	3851877.25	2.58E-05	3.16E-05	2.77E-05	8.92E-09	2.69E-08	1.56E-08	1.91E-08	1.73E-08	7.90E-09	6.92E-09	0.00E+00	0.00E+00	2.87E-09	6.48E-10	4.11E-09	6.34E-10	5.36E-10	8.80E-09
3756	489363.09	3851877.25	2.61E-05	3.19E-05	2.80E-05	9.03E-09	2.73E-08	1.58E-08	1.93E-08	1.75E-08	8.00E-09	7.01E-09	0.00E+00	0.00E+00	2.90E-09	6.56E-10	4.16E-09	6.42E-10	5.43E-10	8.91E-09
3757	489863.09	3851877.25	2.69E-05	3.30E-05	2.89E-05	9.32E-09	2.81E-08	1.63E-08	2.00E-08	1.81E-08	8.26E-09	7.24E-09	0.00E+00	0.00E+00	3.00E-09	6.78E-10	4.30E-09	6.63E-10	5.60E-10	9.20E-09
3758	490363.09	3851877.25	2.86E-05	3.51E-05	3.07E-05	9.91E-09	2.99E-08	1.73E-08	2.12E-08	1.92E-08	8.78E-09	7.69E-09	0.00E+00	0.00E+00	3.19E-09	7.20E-10	4.57E-09	7.05E-10	5.96E-10	9.78E-09
3759	490863.09	3851877.25	3.06E-05	3.75E-05	3.28E-05	1.06E-08	3.20E-08	1.85E-08	2.27E-08	2.06E-08	9.38E-09	8.22E-09	0.00E+00	0.00E+00	3.41E-09	7.70E-10	4.88E-09	7.53E-10	6.36E-10	1.04E-08
3760	491363.09	3851877.25	3.27E-05	4.00E-05	3.51E-05	1.13E-08	3.41E-08	1.98E-08	2.42E-08	2.20E-08	1.00E-08	8.78E-09	0.00E+00	0.00E+00	3.64E-09	8.22E-10	5.22E-09	8.04E-10	6.79E-10	1.12E-08
3761	491863.09	3851877.25	3.41E-05	4.17E-05	3.66E-05	1.18E-08	3.56E-08	2.06E-08	2.53E-08	2.29E-08	1.04E-08	9.15E-09	0.00E+00	0.00E+00	3.79E-09	8.57E-10	5.44E-09	8.39E-10	7.09E-10	1.16E-08
3762	492363.09	3851877.25	3.34E-05	4.09E-05	3.58E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.24E-08	1.02E-08	8.97E-09	0.00E+00	0.00E+00	3.72E-09	8.40E-10	5.33E-09	8.22E-10	6.95E-10	1.14E-08
3763	492863.09	3851877.25	2.90E-05	3.56E-05	3.12E-05	1.00E-08	3.03E-08	1.76E-08	2.15E-08	1.95E-08	8.90E-09	7.80E-09	0.00E+00	0.00E+00	3.23E-09	7.30E-10	4.63E-09	7.15E-10	6.04E-10	9.91E-09

3764	493363.09	3851877.25	3.51E-05	4.30E-05	3.77E-05	1.22E-08	3.67E-08	2.13E-08	2.60E-08	2.36E-08	1.08E-08	9.44E-09	0.00E+00	0.00E+00	3.91E-09	8.84E-10	5.61E-09	8.65E-10	7.31E-10	1.20E-08
3765	493863.09	3851877.25	4.20E-05	5.14E-05	4.51E-05	1.45E-08	4.39E-08	2.54E-08	3.11E-08	2.82E-08	1.29E-08	1.13E-08	0.00E+00	0.00E+00	4.67E-09	1.06E-09	6.70E-09	1.03E-09	8.73E-10	1.43E-08
3766	494363.09	3851877.25	4.08E-05	5.00E-05	4.38E-05	1.41E-08	4.26E-08	2.47E-08	3.02E-08	2.74E-08	1.25E-08	1.10E-08	0.00E+00	0.00E+00	4.54E-09	1.03E-09	6.51E-09	1.00E-09	8.49E-10	1.39E-08
3767	494863.09	3851877.25	4.51E-05	5.53E-05	4.85E-05	1.56E-08	4.72E-08	2.73E-08	3.35E-08	3.03E-08	1.38E-08	1.21E-08	0.00E+00	0.00E+00	5.02E-09	1.14E-09	7.21E-09	1.11E-09	9.39E-10	1.54E-08
3768	495363.09	3851877.25	4.78E-05	5.85E-05	5.13E-05	1.65E-08	5.00E-08	2.89E-08	3.54E-08	3.21E-08	1.47E-08	1.28E-08	0.00E+00	0.00E+00	5.32E-09	1.20E-09	7.63E-09	1.18E-09	9.95E-10	1.63E-08
3769	495863.09	3851877.25	4.93E-05	6.03E-05	5.29E-05	1.71E-08	5.15E-08	2.98E-08	3.65E-08	3.31E-08	1.51E-08	1.32E-08	0.00E+00	0.00E+00	5.48E-09	1.24E-09	7.86E-09	1.21E-09	1.03E-09	1.68E-08
3770	496363.09	3851877.25	4.85E-05	5.94E-05	5.21E-05	1.68E-08	5.07E-08	2.93E-08	3.59E-08	3.26E-08	1.49E-08	1.30E-08	0.00E+00	0.00E+00	5.40E-09	1.22E-09	7.74E-09	1.19E-09	1.01E-09	1.66E-08
3771	496863.09	3851877.25	4.73E-05	5.79E-05	5.08E-05	1.64E-08	4.94E-08	2.86E-08	3.50E-08	3.18E-08	1.45E-08	1.27E-08	0.00E+00	0.00E+00	5.26E-09	1.19E-09	7.55E-09	1.16E-09	9.84E-10	1.61E-08
3772	497363.09	3851877.25	4.57E-05	5.60E-05	4.91E-05	1.58E-08	4.78E-08	2.77E-08	3.39E-08	3.07E-08	1.40E-08	1.23E-08	0.00E+00	0.00E+00	5.09E-09	1.15E-09	7.30E-09	1.13E-09	9.51E-10	1.56E-08
3773	497863.09	3851877.25	4.25E-05	5.20E-05	4.56E-05	1.47E-08	4.44E-08	2.57E-08	3.15E-08	2.85E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.73E-09	1.07E-09	6.78E-09	1.05E-09	8.84E-10	1.45E-08
3774	498363.09	3851877.25	3.95E-05	4.84E-05	4.25E-05	1.37E-08	4.13E-08	2.39E-08	2.93E-08	2.66E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.40E-09	9.95E-10	6.31E-09	9.74E-10	8.23E-10	1.35E-08
3775	471363.09	3852377.25	1.45E-05	1.78E-05	1.56E-05	5.03E-09	1.52E-08	8.79E-09	1.08E-08	9.76E-09	4.45E-09	3.90E-09	0.00E+00	0.00E+00	1.62E-09	3.65E-10	2.32E-09	3.58E-10	3.02E-10	4.96E-09
3776	471863.09	3852377.25	1.66E-05	2.03E-05	1.78E-05	5.73E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.08E-09	4.45E-09	0.00E+00	0.00E+00	1.84E-09	4.17E-10	2.64E-09	4.08E-10	3.44E-10	5.65E-09
3777	472363.09	3852377.25	1.80E-05	2.21E-05	1.93E-05	6.24E-09	1.88E-08	1.09E-08	1.33E-08	1.21E-08	5.52E-09	4.84E-09	0.00E+00	0.00E+00	2.00E-09	4.53E-10	2.88E-09	4.43E-10	3.75E-10	6.15E-09
3778	472863.09	3852377.25	1.93E-05	2.36E-05	2.07E-05	6.67E-09	2.01E-08	1.17E-08	1.43E-08	1.29E-08	5.91E-09	5.18E-09	0.00E+00	0.00E+00	2.15E-09	4.85E-10	3.08E-09	4.74E-10	4.01E-10	6.58E-09
3779	473363.09	3852377.25	2.01E-05	2.46E-05	2.16E-05	6.96E-09	2.10E-08	1.22E-08	1.49E-08	1.35E-08	6.16E-09	5.40E-09	0.00E+00	0.00E+00	2.24E-09	5.06E-10	3.21E-09	4.95E-10	4.18E-10	6.87E-09
3780	473863.09	3852377.25	2.06E-05	2.52E-05	2.21E-05	7.12E-09	2.15E-08	1.24E-08	1.52E-08	1.38E-08	6.31E-09	5.53E-09	0.00E+00	0.00E+00	2.29E-09	5.18E-10	3.28E-09	5.06E-10	4.28E-10	7.03E-09
3781	474363.09	3852377.25	2.13E-05	2.61E-05	2.29E-05	7.37E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.53E-09	5.73E-09	0.00E+00	0.00E+00	2.37E-09	5.36E-10	3.40E-09	5.24E-10	4.43E-10	7.28E-09
3782	474863.09	3852377.25	2.58E-05	3.16E-05	2.77E-05	8.93E-09	2.70E-08	1.56E-08	1.91E-08	1.73E-08	7.91E-09	6.93E-09	0.00E+00	0.00E+00	2.87E-09	6.49E-10	4.12E-09	6.35E-10	5.37E-10	8.81E-09
3783	475363.09	3852377.25	2.69E-05	3.30E-05	2.89E-05	9.33E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.26E-09	7.24E-09	0.00E+00	0.00E+00	3.00E-09	6.78E-10	4.30E-09	6.63E-10	5.61E-10	9.20E-09
3784	475863.09	3852377.25	2.81E-05	3.44E-05	3.01E-05	9.71E-09	2.93E-08	1.70E-08	2.08E-08	1.88E-08	8.60E-09	7.54E-09	0.00E+00	0.00E+00	3.12E-09	7.06E-10	4.48E-09	6.91E-10	5.84E-10	9.58E-09
3785	476363.09	3852377.25	2.87E-05	3.51E-05	3.08E-05	9.93E-09	3.00E-08	1.74E-08	2.13E-08	1.93E-08	8.79E-09	7.71E-09	0.00E+00	0.00E+00	3.19E-09	7.21E-10	4.58E-09	7.06E-10	5.97E-10	9.79E-09
3786	476863.09	3852377.25	3.04E-05	3.72E-05	3.26E-05	1.05E-08	3.17E-08	1.84E-08	2.25E-08	2.04E-08	9.31E-09	8.16E-09	0.00E+00	0.00E+00	3.38E-09	7.64E-10	4.85E-09	7.48E-10	6.32E-10	1.04E-08
3787	477363.09	3852377.25	3.15E-05	3.86E-05	3.38E-05	1.09E-08	3.29E-08	1.91E-08	2.34E-08	2.12E-08	9.66E-09	8.47E-09	0.00E+00	0.00E+00	3.51E-09	7.93E-10	5.03E-09	7.76E-10	6.56E-10	1.08E-08
3788	477863.09	3852377.25	2.95E-05	3.62E-05	3.17E-05	1.02E-08	3.09E-08	1.79E-08	2.19E-08	1.98E-08	9.06E-09	7.94E-09	0.00E+00	0.00E+00	3.29E-09	7.43E-10	4.72E-09	7.27E-10	6.15E-10	1.01E-08
3789	478363.09	3852377.25	2.90E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.90E-09	7.81E-09	0.00E+00	0.00E+00	3.23E-09	7.31E-10	4.64E-09	7.15E-10	6.04E-10	9.92E-09
3790	478863.09	3852377.25	3.82E-05	4.68E-05	4.10E-05	1.32E-08	3.99E-08	2.31E-08	2.83E-08	2.56E-08	1.17E-08	1.03E-08	0.00E+00	0.00E+00	4.25E-09	9.60E-10	6.09E-09	9.40E-10	7.95E-10	1.30E-08
3791	479363.09	3852377.25	4.59E-05	5.62E-05	4.93E-05	1.59E-08	4.80E-08	2.78E-08	3.40E-08	3.08E-08	1.41E-08	1.23E-08	0.00E+00	0.00E+00	5.11E-09	1.15E-09	7.33E-09	1.13E-09	9.55E-10	1.57E-08
3792	479863.09	3852377.25	5.55E-05	6.80E-05	5.96E-05	1.92E-08	5.80E-08	3.36E-08	4.11E-08	3.73E-08	1.70E-08	1.49E-08	0.00E+00	0.00E+00	6.18E-09	1.40E-09	8.86E-09	1.37E-09	1.16E-09	1.90E-08
3793	480363.09	3852377.25	6.05E-05	7.42E-05	6.51E-05	2.10E-08	6.33E-08	3.66E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	0.00E+00	0.00E+00	6.74E-09	1.52E-09	9.66E-09	1.49E-09	1.26E-09	2.07E-08
3794	480863.09	3852377.25	6.28E-05	7.70E-05	6.75E-05	2.18E-08	6.57E-08	3.80E-08	4.66E-08	4.22E-08	1.93E-08	1.69E-08	0.00E+00	0.00E+00	6.99E-09	1.58E-09	1.00E-08	1.55E-09	1.31E-09	2.15E-08
3795	481363.09	3852377.25	7.11E-05	8.71E-05	7.65E-05	2.46E-08	7.43E-08	4.30E-08	5.27E-08	4.78E-08	2.18E-08	1.91E-08	0.00E+00	0.00E+00	7.92E-09	1.79E-09	1.14E-08	1.75E-09	1.48E-09	2.43E-08
3796	481863.09	3852377.25	8.40E-05	1.03E-04	9.02E-05	2.91E-08	8.78E-08	5.08E-08	6.22E-08	5.64E-08	2.57E-08	2.26E-08	0.00E+00	0.00E+00	9.35E-09	2.11E-09	1.34E-08	2.07E-09	1.75E-09	2.87E-08
3797	482363.09	3852377.25	8.82E-05	1.08E-04	9.48E-05	3.05E-08	9.22E-08	5.34E-08	6.54E-08	5.93E-08	2.71E-08	2.37E-08	0.00E+00	0.00E+00	9.82E-09	2.22E-09	1.41E-08	2.17E-09	1.84E-09	3.01E-08
3798	482863.09	3852377.25	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.86E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
3799	483363.09	3852377.25	5.82E-05	7.13E-05	6.25E-05	2.01E-08	6.08E-08	3.52E-08	4.31E-08	3.91E-08	1.78E-08	1.57E-08	0.00E+00	0.00E+00	6.48E-09	1.46E-09	9.29E-09	1.43E-09	1.21E-09	1.99E-08
3800	483863.09	3852377.25	4.77E-05	5.85E-05	5.13E-05	1.65E-08	4.99E-08	2.89E-08	3.54E-08	3.21E-08	1.46E-08	1.28E-08	0.00E+00	0.00E+00	5.31E-09	1.20E-09	7.62E-09	1.18E-09	9.94E-10	1.63E-08
3801	484363.09	3852377.25	5.25E-05	6.43E-05	5.64E-05	1.82E-08	5.48E-08	3.18E-08	3.89E-08	3.53E-08	1.61E-08	1.41E-08	0.00E+00	0.00E+00	5.84E-09	1.32E-09	8.38E-09	1.29E-09	1.09E-09	1.79E-08
3802	484863.09	3852377.25	5.29E-05	6.48E-05	5.69E-05	1.83E-08	5.53E-08	3.20E-08	3.92E-08	3.55E-08	1.62E-08	1.42E-08	0.00E+00	0.00E+00	5.89E-09	1.33E-09	8.44E-09	1.30E-09	1.10E-09	1.81E-08
3803	485363.09	3852377.25	5.47E-05	6.71E-05	5.89E-05	1.89E-08	5.72E-08	3.31E-08	4.06E-08	3.68E-08	1.68E-08	1.47E-08	0.00E+00	0.00E+00	6.09E-09	1.38E-09	8.74E-09	1.35E-09	1.14E-09	1.87E-08
3804	485863.09	3852377.25	4.96E-05	6.07E-05	5.33E-05	1.72E-08	5.18E-08	3.00E-08	3.67E-08	3.33E-08	1.52E-08	1.33E-08	0.00E+00	0.00E+00	5.52E-09	1.25E-09	7.91E-09	1.22E-09	1.03E-09	1.69E-08
3805	486363.09	3852377.25	4.15E-05	5.08E-05	4.46E-05	1.44E-08	4.34E-08	2.51E-08	3.08E-08	2.79E-08	1.27E-08	1.12E-08	0.00E+00	0.00E+00	4.62E-09	1.04E-09	6.62E-09	1.02E-09	8.64E-10	1.42E-08
3806	486863.09	3852377.25	3.91E-05	4.79E-05	4.20E-05	1.35E-08	4.09E-08	2.37E-08	2.90E-08	2.63E-08	1.20E-08	1.05E-08	0.00E+00	0.00E+00	4.35E-09	9.84E-10	6.24E-09	9.63E-10	8.14E-10	1.34E-08
3807	487363.09	3852377.25	3.60E-05	4.41E-05	3.87E-05	1.25E-08	3.76E-08	2.18E-08	2.67E-08	2.42E-08	1.10E-08	9.67E-09	0.00E+00	0.00E+00	4.00E-09	9.05E-10	5.74E-09	8.86E-10	7.49E-10	1.23E-08
3808	487863.09	3852377.25	3.44E-05	4.21E-05	3.69E-05	1.19E-08	3.59E-08	2.08E-08	2.55E-08	2.31E-08	1.05E-08	9.24E-09	0.00E+00	0.00E+00	3.83E-09	8.65E-10	5.49E-09	8.46E-10	7.16E-10	1.17E-08
3809	488363.09	3852377.25	3.37E-05	4.13E-05	3.62E-05	1.17E-08	3.52E-08	2.04E-08	2.50E-08	2.26E-08	1.03E-08	9.05E-09	0.00E+00	0.00E+00	3.75E-09	8.47E-10	5.38E-09	8.29E-10	7.01E-10	1.15E-08
3810	488863.09	3852377.25	3.27E-05	4.00E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.42E-08	2.20E-08	1.00E-08	8.78E-09	0.00E+00	0.00E+00	3.64E-09	8.22E-10	5.22E-09	8.05E-10	6.80E-10	1.12E-08
3811	489363.09	3852377.25	3.28E-05	4.02E-05	3.52E-05	1.13E-08	3.43E-08	1.98E-08	2.43E-08	2.20E-08	1.00E-08	8.81E-09	0.00E+00	0.00E+00	3.65E-09	8.25E-10	5.23E-09	8.07E-10	6.82E-10	1.12E-08
3812	489863.09	3852377.25	3.15E-05	3.86E-05	3.38E-05	1.09E-08	3.30E-08	1.91E-08	2.34E-08	2.12E-08	9.67E-09	8.47E-09	0.00E+00	0.00E+00	3.51E-09	7.93E-10	5.03E-09	7.76E-10	6.56E-10	1.08E-08
3813	490363.09	3852377.25	3.63E-05	4.45E-05	3.89E-05	1.26E-08	3.79E-08	2.20E-08	2.69E-08	2.44E-08	1.11E-08	9.75E-09	0.00E+00	0.00E+00	4.04E-09	9.13E-10	5.79E-09	8.93E-10	7.55E-10	1.24E-08
3814	490863.09	3852377.25	4.01E-05	4.91E-05	4.30E-05	1.39E-08	4.19E-08	2.43E-08	2.97E-08	2.70E-08	1.23E-08	1.08E-08	0.00E+00	0.00E+00	4.47E-09	1.01E-09	6.40E-09	9.88E-10	8.34E-10	1.37E-08
3815	491363.09	3852377.25	4.81E-05	5.89E-05	5.16E-05	1.66E-08	5.03E-08	2.91E-08	3.57E-08	3.23E-08	1.47E-08	1.29E-08	0.00E+00	0.00E+00	5.35E-09	1.21E-09	7.68E-09	1.18E-09	1.00E-09	1.64E-08
3816	491863.09	3852377.25	5.00E-05	6.12E-05	5.37E-05	1.73E-08	5.23E-08	3.03E-08	3.71E-08	3.36E-08	1.53E-08	1.34E-08	0.00E+00	0.00E+00	5.57E-09	1.26E-09	7.98E-09	1.23E-09	1.04E-09	1.71E-08
3817	492363.09	3852377.25	5.09E-05	6.24E-05	5.47E-05	1.76E-08	5.32E-08	3.08E-08	3.78E-08	3.42E-08	1.56E-08	1.37E-08	0.00E+00	0.00E+00	5.67E-09	1.28E-09	8.13E-09	1.25E-09	1.06E-09	1.74E-08
3818	492863.09	3852377.25	5.46E-05	6.68E-05	5.86E-05	1.89E-08	5.70E-08	3.30E-08	4.04E-08	3.67E-08	1.67E-08	1.47E-08	0.00E+00	0.00E+00	6.07E-09	1.37E-09	8.71E-09	1.34E-09	1.14E-09	1.86E-08
3819	493363.09	3852377.25	6.08E-05	7.44E-05	6.52E-05	2.10E-08	6.35E-08	3.68E-08	4.50E-08	4.08E-08	1.86E-08	1.63E-08	0.00E+00	0.00E+00	6.76E-09	1.53E-09	9.70E-09	1.50E-09	1.26E-09	2.07E-08
3820	493863.09	3852377.25	6.01E-05	7.36E-05	6.45E-05	2.08E-08	6.28E-08	3.63E-08	4.45E-08	4.04E-08	1.84E-08	1.61E-08	0.00E+00	0.00E+00	6.69E-09	1.51E-09	9.59E-09	1.48E-09	1.25E-09	2.05E-08
3821	494363.09	3852377.25	5.94E-05	7.28E-05	6.38E-05	2.06E-08	6.21E-08	3.59E-08	4.40E-08	3.99E-08	1.82E-08	1.60E-08	0.00E+00	0.00E+00	6.61E-09	1.49E-09	9.48E-09	1.46E-09	1.24E-09	2.03E-08

3822	494863.09	3852377.25	6.23E-05	7.63E-05	6.69E-05	2.16E-08	6.51E-08	3.77E-08	4.62E-08	4.19E-08	1.91E-08	1.67E-08	0.00E+00	0.00E+00	6.93E-09	1.57E-09	9.94E-09	1.53E-09	1.30E-09	2.13E-08
3823	495363.09	3852377.25	6.51E-05	7.97E-05	6.99E-05	2.25E-08	6.80E-08	3.94E-08	4.82E-08	4.37E-08	2.00E-08	1.75E-08	0.00E+00	0.00E+00	7.25E-09	1.64E-09	1.04E-08	1.60E-09	1.35E-09	2.22E-08
3824	495863.09	3852377.25	6.23E-05	7.64E-05	6.69E-05	2.16E-08	6.52E-08	3.77E-08	4.62E-08	4.19E-08	1.91E-08	1.68E-08	0.00E+00	0.00E+00	6.94E-09	1.57E-09	9.95E-09	1.53E-09	1.30E-09	2.13E-08
3825	496363.09	3852377.25	5.94E-05	7.27E-05	6.38E-05	2.06E-08	6.21E-08	3.59E-08	4.40E-08	3.99E-08	1.82E-08	1.60E-08	0.00E+00	0.00E+00	6.61E-09	1.49E-09	9.48E-09	1.46E-09	1.24E-09	2.03E-08
3826	496863.09	3852377.25	5.73E-05	7.02E-05	6.16E-05	1.98E-08	5.99E-08	3.47E-08	4.25E-08	3.85E-08	1.76E-08	1.54E-08	0.00E+00	0.00E+00	6.38E-09	1.44E-09	9.15E-09	1.41E-09	1.19E-09	1.96E-08
3827	497363.09	3852377.25	5.19E-05	6.36E-05	5.58E-05	1.80E-08	5.43E-08	3.14E-08	3.85E-08	3.49E-08	1.59E-08	1.40E-08	0.00E+00	0.00E+00	5.78E-09	1.31E-09	8.29E-09	1.28E-09	1.08E-09	1.77E-08
3828	497863.09	3852377.25	4.67E-05	5.72E-05	5.01E-05	1.62E-08	4.88E-08	2.82E-08	3.46E-08	3.14E-08	1.43E-08	1.25E-08	0.00E+00	0.00E+00	5.20E-09	1.17E-09	7.45E-09	1.15E-09	9.71E-10	1.59E-08
3829	498363.09	3852377.25	4.20E-05	5.15E-05	4.51E-05	1.45E-08	4.39E-08	2.54E-08	3.11E-08	2.82E-08	1.29E-08	1.13E-08	0.00E+00	0.00E+00	4.68E-09	1.06E-09	6.71E-09	1.03E-09	8.74E-10	1.43E-08
3830	471363.09	3852877.25	1.50E-05	1.83E-05	1.61E-05	5.18E-09	1.56E-08	9.05E-09	1.11E-08	1.00E-08	4.58E-09	4.02E-09	0.00E+00	0.00E+00	1.66E-09	3.76E-10	2.39E-09	3.68E-10	3.11E-10	5.11E-09
3831	471863.09	3852877.25	1.66E-05	2.03E-05	1.78E-05	5.74E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.08E-09	4.46E-09	0.00E+00	0.00E+00	1.85E-09	4.17E-10	2.65E-09	4.08E-10	3.45E-10	5.66E-09
3832	472363.09	3852877.25	1.83E-05	2.24E-05	1.96E-05	6.32E-09	1.91E-08	1.11E-08	1.35E-08	1.23E-08	5.60E-09	4.91E-09	0.00E+00	0.00E+00	2.03E-09	4.59E-10	2.92E-09	4.50E-10	3.80E-10	6.24E-09
3833	472863.09	3852877.25	1.98E-05	2.43E-05	2.13E-05	6.87E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.08E-09	5.33E-09	0.00E+00	0.00E+00	2.21E-09	4.99E-10	3.17E-09	4.88E-10	4.13E-10	6.78E-09
3834	473363.09	3852877.25	2.16E-05	2.65E-05	2.32E-05	7.49E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.63E-09	5.81E-09	0.00E+00	0.00E+00	2.41E-09	5.44E-10	3.45E-09	5.32E-10	4.50E-10	7.39E-09
3835	473863.09	3852877.25	2.38E-05	2.91E-05	2.55E-05	8.22E-09	2.48E-08	1.44E-08	1.76E-08	1.60E-08	7.28E-09	6.38E-09	0.00E+00	0.00E+00	2.64E-09	5.98E-10	3.79E-09	5.85E-10	4.94E-10	8.11E-09
3836	474363.09	3852877.25	2.59E-05	3.18E-05	2.78E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	0.00E+00	0.00E+00	2.89E-09	6.52E-10	4.14E-09	6.38E-10	5.40E-10	8.86E-09
3837	474863.09	3852877.25	2.54E-05	3.11E-05	2.73E-05	8.79E-09	2.66E-08	1.54E-08	1.88E-08	1.71E-08	7.79E-09	6.83E-09	0.00E+00	0.00E+00	2.83E-09	6.39E-10	4.06E-09	6.25E-10	5.29E-10	8.68E-09
3838	475363.09	3852877.25	2.78E-05	3.41E-05	2.99E-05	9.64E-09	2.91E-08	1.68E-08	2.06E-08	1.87E-08	8.53E-09	7.48E-09	0.00E+00	0.00E+00	3.10E-09	7.00E-10	4.44E-09	6.85E-10	5.79E-10	9.51E-09
3839	475863.09	3852877.25	2.90E-05	3.55E-05	3.12E-05	1.00E-08	3.03E-08	1.76E-08	2.15E-08	1.95E-08	8.89E-09	7.80E-09	0.00E+00	0.00E+00	3.23E-09	7.30E-10	4.63E-09	7.14E-10	6.04E-10	9.91E-09
3840	476363.09	3852877.25	2.83E-05	3.47E-05	3.04E-05	9.80E-09	2.96E-08	1.71E-08	2.10E-08	1.90E-08	8.68E-09	7.61E-09	0.00E+00	0.00E+00	3.15E-09	7.12E-10	4.52E-09	6.97E-10	5.89E-10	9.66E-09
3841	476863.09	3852877.25	2.59E-05	3.17E-05	2.78E-05	8.96E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.94E-09	6.96E-09	0.00E+00	0.00E+00	2.88E-09	6.51E-10	4.13E-09	6.37E-10	5.39E-10	8.84E-09
3842	477363.09	3852877.25	2.42E-05	2.96E-05	2.60E-05	8.38E-09	2.53E-08	1.46E-08	1.79E-08	1.63E-08	7.42E-09	6.50E-09	0.00E+00	0.00E+00	2.69E-09	6.09E-10	3.86E-09	5.96E-10	5.04E-10	8.27E-09
3843	477863.09	3852877.25	2.21E-05	2.71E-05	2.38E-05	7.66E-09	2.31E-08	1.34E-08	1.64E-08	1.49E-08	6.79E-09	5.95E-09	0.00E+00	0.00E+00	2.46E-09	5.57E-10	3.53E-09	5.45E-10	4.61E-10	7.56E-09
3844	478363.09	3852877.25	1.73E-05	2.12E-05	1.86E-05	5.99E-09	1.81E-08	1.05E-08	1.28E-08	1.16E-08	5.30E-09	4.65E-09	0.00E+00	0.00E+00	1.93E-09	4.35E-10	2.76E-09	4.26E-10	3.60E-10	5.91E-09
3845	478863.09	3852877.25	2.12E-05	2.60E-05	2.28E-05	7.34E-09	2.22E-08	1.28E-08	1.57E-08	1.42E-08	6.50E-09	5.70E-09	0.00E+00	0.00E+00	2.36E-09	5.33E-10	3.38E-09	5.22E-10	4.41E-10	7.24E-09
3846	479363.09	3852877.25	3.06E-05	3.75E-05	3.29E-05	1.06E-08	3.20E-08	1.85E-08	2.27E-08	2.06E-08	9.38E-09	8.23E-09	0.00E+00	0.00E+00	3.41E-09	7.70E-10	4.88E-09	7.53E-10	6.37E-10	1.05E-08
3847	479863.09	3852877.25	5.37E-05	6.58E-05	5.77E-05	1.86E-08	5.62E-08	3.25E-08	3.98E-08	3.61E-08	1.65E-08	1.44E-08	0.00E+00	0.00E+00	5.98E-09	1.35E-09	8.58E-09	1.32E-09	1.12E-09	1.84E-08
3848	480363.09	3852877.25	7.14E-05	8.74E-05	7.67E-05	2.47E-08	7.46E-08	4.32E-08	5.29E-08	4.79E-08	2.19E-08	1.92E-08	0.00E+00	0.00E+00	7.94E-09	1.80E-09	1.14E-08	1.76E-09	1.49E-09	2.44E-08
3849	480863.09	3852877.25	7.96E-05	9.75E-05	8.55E-05	2.76E-08	8.32E-08	4.82E-08	5.90E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.86E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
3850	481363.09	3852877.25	8.43E-05	1.03E-04	9.06E-05	2.92E-08	8.81E-08	5.10E-08	6.25E-08	5.66E-08	2.58E-08	2.27E-08	0.00E+00	0.00E+00	9.38E-09	2.12E-09	1.35E-08	2.08E-09	1.76E-09	2.88E-08
3851	481863.09	3852877.25	9.67E-05	1.19E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.17E-08	6.50E-08	2.97E-08	2.60E-08	0.00E+00	0.00E+00	1.08E-08	2.43E-09	1.54E-08	2.38E-09	2.02E-09	3.30E-08
3852	482363.09	3852877.25	1.14E-04	1.40E-04	1.23E-04	3.95E-08	1.19E-07	6.91E-08	8.47E-08	7.68E-08	3.50E-08	3.07E-08	0.00E+00	0.00E+00	1.27E-08	2.87E-09	1.82E-08	2.81E-09	2.38E-09	3.90E-08
3853	482863.09	3852877.25	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.76E-08	3.30E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.19E-08
3854	483363.09	3852877.25	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.79E-08	7.06E-08	3.22E-08	2.83E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
3855	483863.09	3852877.25	7.69E-05	9.42E-05	8.26E-05	2.66E-08	8.04E-08	4.65E-08	5.70E-08	5.17E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.56E-09	1.93E-09	1.23E-08	1.89E-09	1.60E-09	2.63E-08
3856	484363.09	3852877.25	8.65E-05	1.06E-04	9.31E-05	3.00E-08	9.05E-08	5.24E-08	6.41E-08	5.82E-08	2.65E-08	2.33E-08	0.00E+00	0.00E+00	9.63E-09	2.18E-09	1.38E-08	2.13E-09	1.80E-09	2.96E-08
3857	484863.09	3852877.25	8.91E-05	1.09E-04	9.58E-05	3.08E-08	9.31E-08	5.39E-08	6.60E-08	5.99E-08	2.73E-08	2.40E-08	0.00E+00	0.00E+00	9.92E-09	2.24E-09	1.42E-08	2.19E-09	1.86E-09	3.04E-08
3858	485363.09	3852877.25	6.44E-05	7.90E-05	6.93E-05	2.23E-08	6.74E-08	3.90E-08	4.78E-08	4.33E-08	1.98E-08	1.74E-08	0.00E+00	0.00E+00	7.17E-09	1.62E-09	1.03E-08	1.59E-09	1.34E-09	2.20E-08
3859	485863.09	3852877.25	5.76E-05	7.06E-05	6.20E-05	2.00E-08	6.02E-08	3.49E-08	4.27E-08	3.87E-08	1.77E-08	1.55E-08	0.00E+00	0.00E+00	6.42E-09	1.45E-09	9.20E-09	1.42E-09	1.20E-09	1.97E-08
3860	486363.09	3852877.25	5.04E-05	6.18E-05	5.42E-05	1.75E-08	5.27E-08	3.05E-08	3.74E-08	3.39E-08	1.55E-08	1.36E-08	0.00E+00	0.00E+00	5.61E-09	1.27E-09	8.05E-09	1.24E-09	1.05E-09	1.72E-08
3861	486863.09	3852877.25	4.94E-05	6.05E-05	5.31E-05	1.71E-08	5.16E-08	2.99E-08	3.66E-08	3.32E-08	1.51E-08	1.33E-08	0.00E+00	0.00E+00	5.50E-09	1.24E-09	7.89E-09	1.22E-09	1.03E-09	1.69E-08
3862	487363.09	3852877.25	4.73E-05	5.79E-05	5.08E-05	1.64E-08	4.94E-08	2.86E-08	3.51E-08	3.18E-08	1.45E-08	1.27E-08	0.00E+00	0.00E+00	5.26E-09	1.19E-09	7.55E-09	1.16E-09	9.84E-10	1.62E-08
3863	487863.09	3852877.25	4.70E-05	5.76E-05	5.05E-05	1.63E-08	4.92E-08	2.85E-08	3.49E-08	3.16E-08	1.44E-08	1.26E-08	0.00E+00	0.00E+00	5.24E-09	1.18E-09	7.51E-09	1.16E-09	9.79E-10	1.61E-08
3864	488363.09	3852877.25	3.71E-05	4.54E-05	3.98E-05	1.28E-08	3.88E-08	2.24E-08	2.75E-08	2.49E-08	1.14E-08	9.96E-09	0.00E+00	0.00E+00	4.13E-09	9.33E-10	5.92E-09	9.13E-10	7.71E-10	1.27E-08
3865	488863.09	3852877.25	4.23E-05	5.19E-05	4.54E-05	1.47E-08	4.42E-08	2.56E-08	3.14E-08	2.84E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.71E-09	1.07E-09	6.76E-09	1.04E-09	8.80E-10	1.45E-08
3866	489363.09	3852877.25	4.52E-05	5.54E-05	4.85E-05	1.56E-08	4.72E-08	2.73E-08	3.35E-08	3.04E-08	1.39E-08	1.21E-08	0.00E+00	0.00E+00	5.03E-09	1.14E-09	7.22E-09	1.11E-09	9.40E-10	1.54E-08
3867	489863.09	3852877.25	4.75E-05	5.82E-05	5.09E-05	1.64E-08	4.96E-08	2.87E-08	3.52E-08	3.19E-08	1.46E-08	1.28E-08	0.00E+00	0.00E+00	5.28E-09	1.19E-09	7.58E-09	1.17E-09	9.87E-10	1.62E-08
3868	490363.09	3852877.25	6.14E-05	7.52E-05	6.59E-05	2.12E-08	6.41E-08	3.71E-08	4.55E-08	4.12E-08	1.88E-08	1.65E-08	0.00E+00	0.00E+00	6.83E-09	1.54E-09	9.80E-09	1.51E-09	1.28E-09	2.10E-08
3869	490863.09	3852877.25	6.80E-05	8.34E-05	7.30E-05	2.36E-08	7.11E-08	4.12E-08	5.04E-08	4.57E-08	2.09E-08	1.83E-08	0.00E+00	0.00E+00	7.57E-09	1.71E-09	1.09E-08	1.68E-09	1.42E-09	2.32E-08
3870	491363.09	3852877.25	7.35E-05	9.00E-05	7.89E-05	2.54E-08	7.68E-08	4.45E-08	5.45E-08	4.94E-08	2.25E-08	1.97E-08	0.00E+00	0.00E+00	8.18E-09	1.85E-09	1.17E-08	1.81E-09	1.53E-09	2.51E-08
3871	491863.09	3852877.25	7.52E-05	9.21E-05	8.07E-05	2.60E-08	7.86E-08	4.55E-08	5.57E-08	5.05E-08	2.31E-08	2.02E-08	0.00E+00	0.00E+00	8.37E-09	1.89E-09	1.20E-08	1.85E-09	1.56E-09	2.57E-08
3872	492363.09	3852877.25	7.75E-05	9.50E-05	8.33E-05	2.68E-08	8.11E-08	4.69E-08	5.75E-08	5.21E-08	2.38E-08	2.08E-08	0.00E+00	0.00E+00	8.63E-09	1.95E-09	1.24E-08	1.91E-09	1.61E-09	2.65E-08
3873	492863.09	3852877.25	8.32E-05	1.02E-04	8.93E-05	2.88E-08	8.69E-08	5.03E-08	6.17E-08	5.59E-08	2.55E-08	2.24E-08	0.00E+00	0.00E+00	9.26E-09	2.09E-09	1.33E-08	2.05E-09	1.73E-09	2.84E-08
3874	493363.09	3852877.25	8.63E-05	1.06E-04	9.27E-05	2.99E-08	9.02E-08	5.22E-08	6.40E-08	5.80E-08	2.65E-08	2.32E-08	0.00E+00	0.00E+00	9.60E-09	2.17E-09	1.38E-08	2.12E-09	1.80E-09	2.95E-08
3875	493863.09	3852877.25	8.46E-05	1.04E-04	9.09E-05	2.93E-08	8.84E-08	5.12E-08	6.27E-08	5.69E-08	2.59E-08	2.27E-08	0.00E+00	0.00E+00	9.42E-09	2.13E-09	1.35E-08	2.08E-09	1.76E-09	2.89E-08
3876	494363.09	3852877.25	8.34E-05	1.02E-04	8.96E-05	2.89E-08	8.72E-08	5.05E-08	6.18E-08	5.61E-08	2.56E-08	2.24E-08	0.00E+00	0.00E+00	9.29E-09	2.10E-09	1.33E-08	2.05E-09	1.74E-09	2.85E-08
3877	494863.09	3852877.25	8.36E-05	1.02E-04	8.98E-05	2.89E-08	8.74E-08	5.06E-08	6.20E-08	5.62E-08	2.56E-08	2.25E-08	0.00E+00	0.00E+00	9.31E-09	2.10E-09	1.33E-08	2.06E-09	1.74E-09	2.86E-08
3878	495363.09	3852877.25	7.87E-05	9.65E-05	8.46E-05	2.73E-08	8.23E-08	4.76E-08	5.84E-08	5.29E-08	2.41E-08	2.12E-08	0.00E+00	0.00E+00	8.77E-09	1.98E-09	1.26E-08	1.94E-09	1.64E-09	2.69E-08
3879	495863.09	3852877.25	7.40E-05	9.07E-05	7.95E-05	2.56E-08	7.74E-08	4.48E-08	5.49E-08	4.97E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.24E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.53E-08

3880	496363.09	3852877.25	7.22E-05	8.84E-05	7.75E-05	2.50E-08	7.54E-08	4.37E-08	5.35E-08	4.85E-08	2.21E-08	1.94E-08	0.00E+00	0.00E+00	8.04E-09	1.82E-09	1.15E-08	1.78E-09	1.50E-09	2.47E-08
3881	496863.09	3852877.25	6.85E-05	8.39E-05	7.36E-05	2.37E-08	7.16E-08	4.15E-08	5.08E-08	4.60E-08	2.10E-08	1.84E-08	0.00E+00	0.00E+00	7.63E-09	1.72E-09	1.09E-08	1.69E-09	1.43E-09	2.34E-08
3882	497363.09	3852877.25	5.87E-05	7.19E-05	6.31E-05	2.03E-08	6.14E-08	3.55E-08	4.35E-08	3.95E-08	1.80E-08	1.58E-08	0.00E+00	0.00E+00	6.54E-09	1.48E-09	9.37E-09	1.45E-09	1.22E-09	2.01E-08
3883	497863.09	3852877.25	4.46E-05	5.47E-05	4.79E-05	1.54E-08	4.66E-08	2.70E-08	3.31E-08	3.00E-08	1.37E-08	1.20E-08	0.00E+00	0.00E+00	4.97E-09	1.12E-09	7.12E-09	1.10E-09	9.29E-10	1.52E-08
3884	498363.09	3852877.25	4.18E-05	5.12E-05	4.49E-05	1.45E-08	4.37E-08	2.53E-08	3.10E-08	2.81E-08	1.28E-08	1.12E-08	0.00E+00	0.00E+00	4.65E-09	1.05E-09	6.67E-09	1.03E-09	8.69E-10	1.43E-08
3885	471363.09	3853377.25	1.56E-05	1.92E-05	1.68E-05	5.41E-09	1.63E-08	9.46E-09	1.16E-08	1.05E-08	4.79E-09	4.20E-09	0.00E+00	0.00E+00	1.74E-09	3.93E-10	2.50E-09	3.85E-10	3.25E-10	5.34E-09
3886	471863.09	3853377.25	1.70E-05	2.09E-05	1.83E-05	5.90E-09	1.78E-08	1.03E-08	1.26E-08	1.15E-08	5.23E-09	4.58E-09	0.00E+00	0.00E+00	1.90E-09	4.29E-10	2.72E-09	4.20E-10	3.55E-10	5.82E-09
3887	472363.09	3853377.25	1.85E-05	2.26E-05	1.98E-05	6.39E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.66E-09	4.96E-09	0.00E+00	0.00E+00	2.05E-09	4.64E-10	2.95E-09	4.54E-10	3.84E-10	6.30E-09
3888	472863.09	3853377.25	2.00E-05	2.45E-05	2.15E-05	6.92E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.37E-09	0.00E+00	0.00E+00	2.22E-09	5.03E-10	3.19E-09	4.92E-10	4.16E-10	6.82E-09
3889	473363.09	3853377.25	2.13E-05	2.61E-05	2.29E-05	7.37E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.53E-09	5.73E-09	0.00E+00	0.00E+00	2.37E-09	5.36E-10	3.40E-09	5.24E-10	4.43E-10	7.28E-09
3890	473863.09	3853377.25	2.29E-05	2.80E-05	2.46E-05	7.93E-09	2.39E-08	1.39E-08	1.70E-08	1.54E-08	7.02E-09	6.15E-09	0.00E+00	0.00E+00	2.55E-09	5.76E-10	3.66E-09	5.64E-10	4.77E-10	7.82E-09
3891	474363.09	3853377.25	2.45E-05	3.01E-05	2.64E-05	8.50E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.52E-09	6.60E-09	0.00E+00	0.00E+00	2.73E-09	6.17E-10	3.92E-09	6.04E-10	5.11E-10	8.38E-09
3892	474863.09	3853377.25	2.50E-05	3.06E-05	2.68E-05	8.65E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.66E-09	6.72E-09	0.00E+00	0.00E+00	2.78E-09	6.29E-10	3.99E-09	6.15E-10	5.20E-10	8.54E-09
3893	475363.09	3853377.25	2.59E-05	3.18E-05	2.79E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	0.00E+00	0.00E+00	2.89E-09	6.53E-10	4.14E-09	6.39E-10	5.40E-10	8.86E-09
3894	475863.09	3853377.25	2.67E-05	3.28E-05	2.87E-05	9.26E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.20E-09	7.19E-09	0.00E+00	0.00E+00	2.98E-09	6.73E-10	4.27E-09	6.58E-10	5.56E-10	9.13E-09
3895	476363.09	3853377.25	2.55E-05	3.13E-05	2.74E-05	8.84E-09	2.67E-08	1.54E-08	1.89E-08	1.71E-08	7.83E-09	6.86E-09	0.00E+00	0.00E+00	2.84E-09	6.42E-10	4.07E-09	6.28E-10	5.31E-10	8.72E-09
3896	476863.09	3853377.25	2.20E-05	2.69E-05	2.36E-05	7.61E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.74E-09	5.91E-09	0.00E+00	0.00E+00	2.45E-09	5.53E-10	3.51E-09	5.41E-10	4.58E-10	7.51E-09
3897	477363.09	3853377.25	2.15E-05	2.64E-05	2.31E-05	7.45E-09	2.25E-08	1.30E-08	1.60E-08	1.45E-08	6.60E-09	5.79E-09	0.00E+00	0.00E+00	2.40E-09	5.42E-10	3.44E-09	5.30E-10	4.48E-10	7.35E-09
3898	477863.09	3853377.25	2.20E-05	2.70E-05	2.36E-05	7.62E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.75E-09	5.92E-09	0.00E+00	0.00E+00	2.45E-09	5.54E-10	3.51E-09	5.42E-10	4.58E-10	7.52E-09
3899	478363.09	3853377.25	1.87E-05	2.29E-05	2.00E-05	6.46E-09	1.95E-08	1.13E-08	1.38E-08	1.25E-08	5.72E-09	5.02E-09	0.00E+00	0.00E+00	2.08E-09	4.69E-10	2.98E-09	4.59E-10	3.88E-10	6.37E-09
3900	478863.09	3853377.25	1.45E-05	1.77E-05	1.55E-05	5.00E-09	1.51E-08	8.74E-09	1.07E-08	9.71E-09	4.43E-09	3.88E-09	0.00E+00	0.00E+00	1.61E-09	3.64E-10	2.31E-09	3.56E-10	3.01E-10	4.94E-09
3901	479363.09	3853377.25	2.60E-05	3.18E-05	2.79E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.96E-09	6.97E-09	0.00E+00	0.00E+00	2.89E-09	6.53E-10	4.14E-09	6.39E-10	5.40E-10	8.86E-09
3902	479863.09	3853377.25	4.28E-05	5.24E-05	4.59E-05	1.48E-08	4.47E-08	2.59E-08	3.17E-08	2.88E-08	1.31E-08	1.15E-08	0.00E+00	0.00E+00	4.76E-09	1.08E-09	6.83E-09	1.05E-09	8.90E-10	1.46E-08
3903	480363.09	3853377.25	7.03E-05	8.61E-05	7.55E-05	2.43E-08	7.34E-08	4.25E-08	5.21E-08	4.72E-08	2.15E-08	1.89E-08	0.00E+00	0.00E+00	7.82E-09	1.77E-09	1.12E-08	1.73E-09	1.46E-09	2.40E-08
3904	480863.09	3853377.25	7.65E-05	9.38E-05	8.22E-05	2.65E-08	8.00E-08	4.63E-08	5.67E-08	5.14E-08	2.35E-08	2.06E-08	0.00E+00	0.00E+00	8.52E-09	1.93E-09	1.22E-08	1.88E-09	1.59E-09	2.61E-08
3905	481363.09	3853377.25	1.08E-04	1.33E-04	1.17E-04	3.75E-08	1.13E-07	6.56E-08	8.04E-08	7.29E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.70E-08
3906	481863.09	3853377.25	1.29E-04	1.58E-04	1.38E-04	4.46E-08	1.35E-07	7.79E-08	9.55E-08	8.65E-08	3.95E-08	3.47E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.06E-08	3.17E-09	2.68E-09	4.40E-08
3907	482363.09	3853377.25	1.65E-04	2.02E-04	1.77E-04	5.69E-08	1.72E-07	9.95E-08	1.22E-07	1.11E-07	5.04E-08	4.43E-08	0.00E+00	0.00E+00	1.83E-08	4.14E-09	2.63E-08	4.05E-09	3.43E-09	5.62E-08
3908	482863.09	3853377.25	2.02E-04	2.47E-04	2.17E-04	6.98E-08	2.11E-07	1.22E-07	1.49E-07	1.35E-07	6.18E-08	5.43E-08	0.00E+00	0.00E+00	2.24E-08	5.07E-09	3.22E-08	4.96E-09	4.20E-09	6.89E-08
3909	483363.09	3853377.25	2.12E-04	2.60E-04	2.28E-04	7.35E-08	2.22E-07	1.28E-07	1.57E-07	1.43E-07	6.51E-08	5.72E-08	0.00E+00	0.00E+00	2.36E-08	5.34E-09	3.39E-08	5.23E-09	4.43E-09	7.25E-08
3910	483863.09	3853377.25	1.93E-04	2.36E-04	2.07E-04	6.67E-08	2.01E-07	1.17E-07	1.43E-07	1.30E-07	5.91E-08	5.19E-08	0.00E+00	0.00E+00	2.15E-08	4.85E-09	3.08E-08	4.75E-09	4.02E-09	6.59E-08
3911	484363.09	3853377.25	1.81E-04	2.22E-04	1.95E-04	6.28E-08	1.90E-07	1.10E-07	1.35E-07	1.22E-07	5.56E-08	4.89E-08	0.00E+00	0.00E+00	2.02E-08	4.57E-09	2.90E-08	4.47E-09	3.78E-09	6.20E-08
3912	484863.09	3853377.25	1.38E-04	1.70E-04	1.49E-04	4.79E-08	1.45E-07	8.38E-08	1.03E-07	9.30E-08	4.25E-08	3.73E-08	0.00E+00	0.00E+00	1.54E-08	3.48E-09	2.21E-08	3.41E-09	2.89E-09	4.73E-08
3913	485363.09	3853377.25	8.62E-05	1.06E-04	9.28E-05	2.98E-08	9.01E-08	5.22E-08	6.39E-08	5.79E-08	2.64E-08	2.32E-08	0.00E+00	0.00E+00	9.60E-09	2.17E-09	1.38E-08	2.12E-09	1.80E-09	2.95E-08
3914	485863.09	3853377.25	6.34E-05	7.77E-05	6.82E-05	2.20E-08	6.63E-08	3.84E-08	4.70E-08	4.26E-08	1.95E-08	1.71E-08	0.00E+00	0.00E+00	7.06E-09	1.60E-09	1.01E-08	1.56E-09	1.32E-09	2.17E-08
3915	486363.09	3853377.25	6.81E-05	8.34E-05	7.32E-05	2.36E-08	7.12E-08	4.12E-08	5.05E-08	4.58E-08	2.09E-08	1.83E-08	0.00E+00	0.00E+00	7.58E-09	1.71E-09	1.09E-08	1.68E-09	1.42E-09	2.33E-08
3916	486863.09	3853377.25	7.27E-05	8.90E-05	7.80E-05	2.52E-08	7.59E-08	4.40E-08	5.39E-08	4.88E-08	2.23E-08	1.95E-08	0.00E+00	0.00E+00	8.09E-09	1.83E-09	1.16E-08	1.79E-09	1.51E-09	2.48E-08
3917	487363.09	3853377.25	8.18E-05	1.00E-04	8.78E-05	2.83E-08	8.55E-08	4.95E-08	6.07E-08	5.50E-08	2.51E-08	2.20E-08	0.00E+00	0.00E+00	9.11E-09	2.06E-09	1.31E-08	2.01E-09	1.70E-09	2.80E-08
3918	487863.09	3853377.25	8.85E-05	1.08E-04	9.50E-05	3.06E-08	9.25E-08	5.36E-08	6.56E-08	5.95E-08	2.71E-08	2.38E-08	0.00E+00	0.00E+00	9.85E-09	2.23E-09	1.41E-08	2.18E-09	1.84E-09	3.02E-08
3919	488363.09	3853377.25	9.67E-05	1.19E-04	1.04E-04	3.35E-08	1.01E-07	5.85E-08	7.17E-08	6.50E-08	2.97E-08	2.60E-08	0.00E+00	0.00E+00	1.08E-08	2.43E-09	1.54E-08	2.38E-09	2.01E-09	3.30E-08
3920	488863.09	3853377.25	9.90E-05	1.21E-04	1.06E-04	3.43E-08	1.04E-07	5.99E-08	7.34E-08	6.65E-08	3.04E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.44E-09	2.06E-09	3.38E-08
3921	489363.09	3853377.25	1.00E-04	1.23E-04	1.07E-04	3.47E-08	1.05E-07	6.06E-08	7.42E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.52E-09	1.60E-08	2.46E-09	2.08E-09	3.42E-08
3922	489863.09	3853377.25	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.57E-08	3.00E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.41E-09	2.03E-09	3.34E-08
3923	490363.09	3853377.25	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.30E-08	7.72E-08	7.00E-08	3.19E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.56E-09	2.17E-09	3.56E-08
3924	490863.09	3853377.25	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.52E-08	7.98E-08	7.24E-08	3.30E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.68E-08
3925	491363.09	3853377.25	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
3926	491863.09	3853377.25	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.77E-08	8.30E-08	7.52E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.25E-08	2.82E-09	1.79E-08	2.76E-09	2.33E-09	3.82E-08
3927	492363.09	3853377.25	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.02E-08	8.61E-08	7.80E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.42E-09	3.97E-08
3928	492863.09	3853377.25	1.19E-04	1.46E-04	1.28E-04	4.13E-08	1.25E-07	7.23E-08	8.85E-08	8.02E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.00E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
3929	493363.09	3853377.25	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.13E-08	8.73E-08	7.92E-08	3.61E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.96E-09	1.88E-08	2.90E-09	2.45E-09	4.02E-08
3930	493863.09	3853377.25	1.15E-04	1.41E-04	1.24E-04	3.98E-08	1.20E-07	6.96E-08	8.53E-08	7.73E-08	3.53E-08	3.09E-08	0.00E+00	0.00E+00	1.28E-08	2.89E-09	1.84E-08	2.83E-09	2.39E-09	3.93E-08
3931	494363.09	3853377.25	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.07E-08	7.32E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
3932	494863.09	3853377.25	1.02E-04	1.24E-04	1.09E-04	3.52E-08	1.06E-07	6.15E-08	7.53E-08	6.82E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.56E-09	1.62E-08	2.50E-09	2.11E-09	3.47E-08
3933	495363.09	3853377.25	9.73E-05	1.19E-04	1.05E-04	3.37E-08	1.02E-07	5.89E-08	7.21E-08	6.54E-08	2.98E-08	2.62E-08	0.00E+00	0.00E+00	1.08E-08	2.45E-09	1.55E-08	2.40E-09	2.03E-09	3.32E-08
3934	495863.09	3853377.25	9.14E-05	1.12E-04	9.81E-05	3.16E-08	9.55E-08	5.53E-08	6.77E-08	6.14E-08	2.80E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.90E-09	3.12E-08
3935	496363.09	3853377.25	8.36E-05	1.02E-04	8.98E-05	2.89E-08	8.74E-08	5.06E-08	6.20E-08	5.62E-08	2.56E-08	2.25E-08	0.00E+00	0.00E+00	9.31E-09	2.10E-09	1.33E-08	2.06E-09	1.74E-09	2.86E-08
3936	496863.09	3853377.25	7.31E-05	8.95E-05	7.85E-05	2.53E-08	7.64E-08	4.42E-08	5.42E-08	4.91E-08	2.24E-08	1.96E-08	0.00E+00	0.00E+00	8.14E-09	1.84E-09	1.17E-08	1.80E-09	1.52E-09	2.50E-08
3937	497363.09	3852877.25	6.07E-05	7.44E-05	6.52E-05	2.10E-08	6.35E-08	3.68E-08	4.50E-08	4.08E-08	1.86E-08	1.63E-08	0.00E+00	0.00E+00	6.76E-09	1.53E-09	9.70E-09	1.50E-09	1.26E-09	2.07E-08

3938	497863.09	3853377.25	4.11E-05	5.03E-05	4.41E-05	1.42E-08	4.30E-08	2.49E-08	3.05E-08	2.76E-08	1.26E-08	1.10E-08	0.00E+00	0.00E+00	4.58E-09	1.03E-09	6.56E-09	1.01E-09	8.56E-10	1.40E-08
3939	498363.09	3853377.25	3.26E-05	3.99E-05	3.50E-05	1.13E-08	3.40E-08	1.97E-08	2.41E-08	2.19E-08	9.98E-09	8.75E-09	0.00E+00	0.00E+00	3.62E-09	8.19E-10	5.20E-09	8.02E-10	6.78E-10	1.11E-08
3940	471363.09	3853877.25	1.58E-05	1.94E-05	1.70E-05	5.48E-09	1.65E-08	9.58E-09	1.17E-08	1.06E-08	4.85E-09	4.25E-09	0.00E+00	0.00E+00	1.76E-09	3.98E-10	2.53E-09	3.90E-10	3.29E-10	5.41E-09
3941	471863.09	3853877.25	1.74E-05	2.14E-05	1.87E-05	6.04E-09	1.82E-08	1.06E-08	1.29E-08	1.17E-08	5.35E-09	4.69E-09	0.00E+00	0.00E+00	1.94E-09	4.39E-10	2.78E-09	4.29E-10	3.63E-10	5.96E-09
3942	472363.09	3853877.25	1.85E-05	2.27E-05	1.99E-05	6.42E-09	1.94E-08	1.12E-08	1.37E-08	1.25E-08	5.69E-09	4.98E-09	0.00E+00	0.00E+00	2.06E-09	4.67E-10	2.96E-09	4.57E-10	3.86E-10	6.33E-09
3943	472863.09	3853877.25	2.00E-05	2.45E-05	2.15E-05	6.93E-09	2.09E-08	1.21E-08	1.48E-08	1.35E-08	6.14E-09	5.38E-09	0.00E+00	0.00E+00	2.23E-09	5.04E-10	3.20E-09	4.93E-10	4.17E-10	6.84E-09
3944	473363.09	3853877.25	2.11E-05	2.59E-05	2.27E-05	7.31E-09	2.21E-08	1.28E-08	1.56E-08	1.42E-08	6.47E-09	5.68E-09	0.00E+00	0.00E+00	2.35E-09	5.31E-10	3.37E-09	5.20E-10	4.39E-10	7.21E-09
3945	473863.09	3853877.25	2.23E-05	2.74E-05	2.40E-05	7.73E-09	2.34E-08	1.35E-08	1.66E-08	1.50E-08	6.85E-09	6.01E-09	0.00E+00	0.00E+00	2.49E-09	5.62E-10	3.57E-09	5.50E-10	4.65E-10	7.63E-09
3946	474363.09	3853877.25	2.40E-05	2.94E-05	2.58E-05	8.30E-09	2.51E-08	1.45E-08	1.78E-08	1.61E-08	7.35E-09	6.45E-09	0.00E+00	0.00E+00	2.67E-09	6.03E-10	3.83E-09	5.91E-10	4.99E-10	8.19E-09
3947	474863.09	3853877.25	2.55E-05	3.12E-05	2.74E-05	8.82E-09	2.66E-08	1.54E-08	1.89E-08	1.71E-08	7.81E-09	6.85E-09	0.00E+00	0.00E+00	2.84E-09	6.41E-10	4.07E-09	6.28E-10	5.31E-10	8.71E-09
3948	475363.09	3853877.25	2.54E-05	3.11E-05	2.73E-05	8.78E-09	2.65E-08	1.54E-08	1.88E-08	1.71E-08	7.78E-09	6.82E-09	0.00E+00	0.00E+00	2.82E-09	6.38E-10	4.05E-09	6.25E-10	5.28E-10	8.67E-09
3949	475863.09	3853877.25	2.24E-05	2.75E-05	2.41E-05	7.77E-09	2.34E-08	1.36E-08	1.66E-08	1.51E-08	6.88E-09	6.03E-09	0.00E+00	0.00E+00	2.50E-09	5.64E-10	3.58E-09	5.52E-10	4.67E-10	7.66E-09
3950	476363.09	3853877.25	1.91E-05	2.34E-05	2.05E-05	6.60E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.84E-09	5.12E-09	0.00E+00	0.00E+00	2.12E-09	4.80E-10	3.04E-09	4.69E-10	3.97E-10	6.51E-09
3951	476863.09	3853877.25	1.50E-05	1.84E-05	1.61E-05	5.20E-09	1.57E-08	9.10E-09	1.11E-08	1.01E-08	4.61E-09	4.04E-09	0.00E+00	0.00E+00	1.67E-09	3.78E-10	2.40E-09	3.70E-10	3.13E-10	5.13E-09
3952	477363.09	3853877.25	1.67E-05	2.05E-05	1.79E-05	5.78E-09	1.75E-08	1.01E-08	1.24E-08	1.12E-08	5.12E-09	4.49E-09	0.00E+00	0.00E+00	1.86E-09	4.20E-10	2.67E-09	4.11E-10	3.48E-10	5.71E-09
3953	477863.09	3853877.25	1.97E-05	2.41E-05	2.11E-05	6.81E-09	2.05E-08	1.19E-08	1.46E-08	1.32E-08	6.03E-09	5.28E-09	0.00E+00	0.00E+00	2.19E-09	4.95E-10	3.14E-09	4.84E-10	4.09E-10	6.71E-09
3954	478363.09	3853877.25	2.11E-05	2.58E-05	2.27E-05	7.30E-09	2.21E-08	1.28E-08	1.56E-08	1.42E-08	6.47E-09	5.67E-09	0.00E+00	0.00E+00	2.35E-09	5.31E-10	3.37E-09	5.19E-10	4.39E-10	7.21E-09
3955	478863.09	3853877.25	1.49E-05	1.82E-05	1.60E-05	5.15E-09	1.55E-08	9.00E-09	1.10E-08	9.99E-09	4.56E-09	4.00E-09	0.00E+00	0.00E+00	1.65E-09	3.74E-10	2.37E-09	3.66E-10	3.09E-10	5.08E-09
3956	479363.09	3853877.25	2.09E-05	2.56E-05	2.25E-05	7.25E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.42E-09	5.63E-09	0.00E+00	0.00E+00	2.33E-09	5.27E-10	3.34E-09	5.15E-10	4.36E-10	7.15E-09
3957	479863.09	3853877.25	4.23E-05	5.18E-05	4.54E-05	1.46E-08	4.42E-08	2.56E-08	3.14E-08	2.84E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.71E-09	1.06E-09	6.75E-09	1.04E-09	8.80E-10	1.44E-08
3958	480363.09	3853877.25	6.46E-05	7.91E-05	6.93E-05	2.23E-08	6.75E-08	3.91E-08	4.79E-08	4.34E-08	1.98E-08	1.73E-08	0.00E+00	0.00E+00	7.19E-09	1.62E-09	1.03E-08	1.59E-09	1.34E-09	2.20E-08
3959	480863.09	3853877.25	1.01E-04	1.23E-04	1.08E-04	3.48E-08	1.05E-07	6.09E-08	7.46E-08	6.76E-08	3.08E-08	2.70E-08	0.00E+00	0.00E+00	1.12E-08	2.53E-09	1.61E-08	2.48E-09	2.09E-09	3.44E-08
3960	481363.09	3853877.25	1.32E-04	1.61E-04	1.41E-04	4.55E-08	1.38E-07	7.96E-08	9.75E-08	8.84E-08	4.03E-08	3.54E-08	0.00E+00	0.00E+00	1.46E-08	3.31E-09	2.10E-08	3.24E-09	2.74E-09	4.49E-08
3961	481863.09	3853877.25	1.67E-04	2.04E-04	1.79E-04	5.77E-08	1.74E-07	1.01E-07	1.24E-07	1.12E-07	5.11E-08	4.49E-08	0.00E+00	0.00E+00	1.85E-08	4.19E-09	2.66E-08	4.10E-09	3.47E-09	5.69E-08
3962	482363.09	3853877.25	2.53E-04	3.10E-04	2.73E-04	8.77E-08	2.65E-07	1.53E-07	1.88E-07	1.70E-07	7.76E-08	6.82E-08	0.00E+00	0.00E+00	2.82E-08	6.37E-09	4.04E-08	6.23E-09	5.28E-09	8.65E-08
3963	482863.09	3853877.25	1.22E-03	1.49E-03	1.31E-03	4.22E-07	1.27E-06	7.37E-07	9.03E-07	8.19E-07	3.73E-07	3.29E-07	0.00E+00	0.00E+00	1.36E-07	3.06E-08	1.94E-07	3.00E-08	2.55E-08	4.16E-07
3964	483363.09	3853877.25	7.27E-04	8.91E-04	7.84E-04	2.52E-07	7.60E-07	4.40E-07	5.39E-07	4.89E-07	2.23E-07	1.96E-07	0.00E+00	0.00E+00	8.09E-08	1.83E-08	1.16E-07	1.79E-08	1.52E-08	2.48E-07
3965	483863.09	3853877.25	4.78E-04	5.86E-04	5.15E-04	1.66E-07	5.00E-07	2.89E-07	3.55E-07	3.21E-07	1.47E-07	1.29E-07	0.00E+00	0.00E+00	5.32E-08	1.20E-08	7.64E-08	1.18E-08	9.99E-09	1.63E-07
3966	484363.09	3853877.25	3.23E-04	3.96E-04	3.48E-04	1.12E-07	3.38E-07	1.95E-07	2.39E-07	2.17E-07	9.90E-08	8.70E-08	0.00E+00	0.00E+00	3.59E-08	8.13E-09	5.16E-08	7.95E-09	6.74E-09	1.10E-07
3967	484863.09	3853877.25	2.04E-04	2.50E-04	2.20E-04	7.07E-08	2.14E-07	1.24E-07	1.51E-07	1.37E-07	6.26E-08	5.50E-08	0.00E+00	0.00E+00	2.27E-08	5.14E-09	3.26E-08	5.03E-09	4.26E-09	6.98E-08
3968	485363.09	3853877.25	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.11E-08	8.25E-08	3.77E-08	3.31E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.02E-09	2.56E-09	4.20E-08
3969	485863.09	3853877.25	1.42E-04	1.74E-04	1.52E-04	4.91E-08	1.48E-07	8.58E-08	1.05E-07	9.53E-08	4.35E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.57E-09	2.26E-08	3.49E-09	2.95E-09	4.84E-08
3970	486363.09	3853877.25	1.45E-04	1.78E-04	1.56E-04	5.03E-08	1.52E-07	8.79E-08	1.08E-07	9.76E-08	4.45E-08	3.90E-08	0.00E+00	0.00E+00	1.62E-08	3.65E-09	2.32E-08	3.58E-09	3.02E-09	4.96E-08
3971	486863.09	3853877.25	1.43E-04	1.75E-04	1.53E-04	4.95E-08	1.49E-07	8.65E-08	1.06E-07	9.60E-08	4.38E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.60E-09	2.28E-08	3.52E-09	2.97E-09	4.88E-08
3972	487363.09	3853877.25	1.54E-04	1.88E-04	1.65E-04	5.32E-08	1.61E-07	9.30E-08	1.14E-07	1.03E-07	4.71E-08	4.13E-08	0.00E+00	0.00E+00	1.71E-08	3.87E-09	2.45E-08	3.79E-09	3.19E-09	5.25E-08
3973	487863.09	3853877.25	1.75E-04	2.15E-04	1.88E-04	6.07E-08	1.83E-07	1.06E-07	1.30E-07	1.18E-07	5.38E-08	4.71E-08	0.00E+00	0.00E+00	1.95E-08	4.41E-09	2.80E-08	4.32E-09	3.65E-09	5.99E-08
3974	488363.09	3853877.25	1.81E-04	2.22E-04	1.95E-04	6.28E-08	1.90E-07	1.10E-07	1.34E-07	1.22E-07	5.56E-08	4.87E-08	0.00E+00	0.00E+00	2.02E-08	4.56E-09	2.90E-08	4.47E-09	3.77E-09	6.20E-08
3975	488863.09	3853877.25	1.91E-04	2.34E-04	2.05E-04	6.61E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.85E-08	5.12E-08	0.00E+00	0.00E+00	2.12E-08	4.80E-09	3.05E-08	4.70E-09	3.97E-09	6.52E-08
3976	489363.09	3853877.25	1.77E-04	2.17E-04	1.90E-04	6.14E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.44E-08	4.76E-08	0.00E+00	0.00E+00	1.97E-08	4.46E-09	2.83E-08	4.37E-09	3.69E-09	6.06E-08
3977	489863.09	3853877.25	1.77E-04	2.17E-04	1.90E-04	6.13E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.43E-08	4.76E-08	0.00E+00	0.00E+00	1.97E-08	4.46E-09	2.83E-08	4.36E-09	3.68E-09	6.05E-08
3978	490363.09	3853877.25	1.71E-04	2.09E-04	1.83E-04	5.91E-08	1.78E-07	1.03E-07	1.26E-07	1.15E-07	5.23E-08	4.58E-08	0.00E+00	0.00E+00	1.90E-08	4.29E-09	2.72E-08	4.20E-09	3.55E-09	5.83E-08
3979	490863.09	3853877.25	1.68E-04	2.06E-04	1.80E-04	5.81E-08	1.75E-07	1.02E-07	1.24E-07	1.13E-07	5.15E-08	4.51E-08	0.00E+00	0.00E+00	1.87E-08	4.22E-09	2.68E-08	4.13E-09	3.49E-09	5.73E-08
3980	491363.09	3853877.25	1.66E-04	2.03E-04	1.78E-04	5.74E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.08E-08	4.46E-08	0.00E+00	0.00E+00	1.85E-08	4.17E-09	2.65E-08	4.08E-09	3.45E-09	5.66E-08
3981	491863.09	3853877.25	1.63E-04	2.00E-04	1.75E-04	5.64E-08	1.70E-07	9.86E-08	1.21E-07	1.10E-07	5.00E-08	4.38E-08	0.00E+00	0.00E+00	1.81E-08	4.10E-09	2.60E-08	4.01E-09	3.39E-09	5.57E-08
3982	492363.09	3853877.25	1.65E-04	2.02E-04	1.77E-04	5.71E-08	1.72E-07	9.98E-08	1.22E-07	1.11E-07	5.05E-08	4.43E-08	0.00E+00	0.00E+00	1.84E-08	4.15E-09	2.63E-08	4.06E-09	3.43E-09	5.63E-08
3983	492863.09	3853877.25	1.63E-04	1.99E-04	1.75E-04	5.63E-08	1.70E-07	9.84E-08	1.21E-07	1.09E-07	4.98E-08	4.37E-08	0.00E+00	0.00E+00	1.81E-08	4.09E-09	2.60E-08	4.00E-09	3.38E-09	5.55E-08
3984	493363.09	3853877.25	1.55E-04	1.90E-04	1.67E-04	5.38E-08	1.62E-07	9.40E-08	1.15E-07	1.04E-07	4.76E-08	4.18E-08	0.00E+00	0.00E+00	1.73E-08	3.91E-09	2.48E-08	3.83E-09	3.23E-09	5.31E-08
3985	493863.09	3853877.25	1.46E-04	1.79E-04	1.57E-04	5.07E-08	1.53E-07	8.86E-08	1.09E-07	9.84E-08	4.49E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.68E-09	2.34E-08	3.61E-09	3.05E-09	5.00E-08
3986	494363.09	3853877.25	1.39E-04	1.70E-04	1.49E-04	4.82E-08	1.45E-07	8.42E-08	1.03E-07	9.35E-08	4.27E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.42E-09	2.90E-09	4.75E-08
3987	494863.09	3853877.25	1.29E-04	1.58E-04	1.39E-04	4.48E-08	1.35E-07	7.82E-08	9.58E-08	8.69E-08	3.96E-08	3.48E-08	0.00E+00	0.00E+00	1.44E-08	3.25E-09	2.06E-08	3.18E-09	2.69E-09	4.42E-08
3988	495363.09	3853877.25	1.12E-04	1.37E-04	1.20E-04	3.86E-08	1.17E-07	6.75E-08	8.27E-08	7.49E-08	3.42E-08	3.00E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.32E-09	3.81E-08
3989	495863.09	3853877.25	9.77E-05	1.20E-04	1.05E-04	3.38E-08	1.02E-07	5.91E-08	7.24E-08	6.56E-08	2.99E-08	2.63E-08	0.00E+00	0.00E+00	1.09E-08	2.46E-09	1.56E-08	2.40E-09	2.03E-09	3.34E-08
3990	496363.09	3853877.25	8.87E-05	1.09E-04	9.52E-05	3.07E-08	9.27E-08	5.36E-08	6.57E-08	5.96E-08	2.72E-08	2.38E-08	0.00E+00	0.00E+00	9.87E-09	2.23E-09	1.42E-08	2.18E-09	1.85E-09	3.03E-08
3991	496863.09	3853877.25	7.45E-05	9.12E-05	8.00E-05	2.58E-08	7.78E-08	4.51E-08	5.52E-08	5.00E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.29E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.54E-08
3992	497363.09	3853877.25	6.34E-05	7.76E-05	6.81E-05	2.19E-08	6.62E-08	3.83E-08	4.70E-08	4.26E-08	1.94E-08	1.70E-08	0.00E+00	0.00E+00	7.05E-09	1.59E-09	1.01E-08	1.56E-09	1.32E-09	2.16E-08
3993	497863.09	3853877.25	4.99E-05	6.11E-05	5.35E-05	1.73E-08	5.21E-08	3.02E-08	3.70E-08	3.35E-08	1.53E-08	1.34E-08	0.00E+00	0.00E+00	5.55E-09	1.25E-09	7.96E-09	1.23E-09	1.04E-09	1.70E-08
3994	498363.09	3853877.25	4.23E-05	5.19E-05	4.55E-05	1.47E-08	4.43E-08	2.56E-08	3.14E-08	2.84E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.71E-09	1.07E-09	6.76E-09	1.04E-09	8.81E-10	1.45E-08
3995	471363.09	3854377.25	1.63E-05	1.99E-05	1.74E-05	5.63E-09	1.70E-08	9.83E-09	1.20E-08	1.09E-08	4.98E-09	4.37E-09	0.00E+00	0.00E+00	1.81E-09	4.09E-10	2.59E-09	4.00E-10	3.38E-10	5.55E-09

3996	471863.09	3854377.25	1.78E-05	2.18E-05	1.91E-05	6.17E-09	1.86E-08	1.08E-08	1.32E-08	1.20E-08	5.46E-09	4.79E-09	0.00E+00	0.00E+00	1.98E-09	4.48E-10	2.85E-09	4.39E-10	3.71E-10	6.09E-09
3997	472363.09	3854377.25	1.91E-05	2.34E-05	2.05E-05	6.60E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.85E-09	5.12E-09	0.00E+00	0.00E+00	2.12E-09	4.80E-10	3.04E-09	4.70E-10	3.97E-10	6.51E-09
3998	472863.09	3854377.25	2.01E-05	2.47E-05	2.16E-05	6.97E-09	2.11E-08	1.22E-08	1.49E-08	1.35E-08	6.17E-09	5.41E-09	0.00E+00	0.00E+00	2.24E-09	5.07E-10	3.22E-09	4.96E-10	4.19E-10	6.88E-09
3999	473363.09	3854377.25	2.16E-05	2.65E-05	2.32E-05	7.48E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.62E-09	5.80E-09	0.00E+00	0.00E+00	2.40E-09	5.43E-10	3.45E-09	5.32E-10	4.49E-10	7.38E-09
4000	473863.09	3854377.25	2.34E-05	2.87E-05	2.51E-05	8.10E-09	2.44E-08	1.42E-08	1.73E-08	1.57E-08	7.17E-09	6.29E-09	0.00E+00	0.00E+00	2.60E-09	5.88E-10	3.73E-09	5.76E-10	4.87E-10	7.99E-09
4001	474363.09	3854377.25	2.52E-05	3.09E-05	2.71E-05	8.73E-09	2.64E-08	1.53E-08	1.87E-08	1.69E-08	7.73E-09	6.78E-09	0.00E+00	0.00E+00	2.81E-09	6.34E-10	4.03E-09	6.21E-10	5.25E-10	8.61E-09
4002	474863.09	3854377.25	2.51E-05	3.07E-05	2.69E-05	8.68E-09	2.62E-08	1.52E-08	1.86E-08	1.68E-08	7.69E-09	6.74E-09	0.00E+00	0.00E+00	2.79E-09	6.31E-10	4.00E-09	6.17E-10	5.22E-10	8.56E-09
4003	475363.09	3854377.25	2.25E-05	2.76E-05	2.42E-05	7.80E-09	2.36E-08	1.36E-08	1.67E-08	1.51E-08	6.91E-09	6.06E-09	0.00E+00	0.00E+00	2.51E-09	5.67E-10	3.60E-09	5.55E-10	4.69E-10	7.70E-09
4004	475863.09	3854377.25	1.58E-05	1.93E-05	1.69E-05	5.46E-09	1.65E-08	9.54E-09	1.17E-08	1.06E-08	4.83E-09	4.24E-09	0.00E+00	0.00E+00	1.76E-09	3.97E-10	2.52E-09	3.88E-10	3.28E-10	5.39E-09
4005	476363.09	3854377.25	1.42E-05	1.74E-05	1.53E-05	4.92E-09	1.49E-08	8.60E-09	1.05E-08	9.55E-09	4.36E-09	3.82E-09	0.00E+00	0.00E+00	1.58E-09	3.58E-10	2.27E-09	3.50E-10	2.96E-10	4.86E-09
4006	476863.09	3854377.25	1.38E-05	1.69E-05	1.48E-05	4.78E-09	1.44E-08	8.36E-09	1.02E-08	9.28E-09	4.23E-09	3.71E-09	0.00E+00	0.00E+00	1.54E-09	3.48E-10	2.21E-09	3.40E-10	2.88E-10	4.72E-09
4007	477363.09	3854377.25	1.38E-05	1.70E-05	1.49E-05	4.79E-09	1.45E-08	8.38E-09	1.03E-08	9.30E-09	4.24E-09	3.72E-09	0.00E+00	0.00E+00	1.54E-09	3.48E-10	2.21E-09	3.41E-10	2.88E-10	4.73E-09
4008	477863.09	3854377.25	1.43E-05	1.75E-05	1.54E-05	4.96E-09	1.50E-08	8.67E-09	1.06E-08	9.63E-09	4.39E-09	3.85E-09	0.00E+00	0.00E+00	1.59E-09	3.60E-10	2.29E-09	3.53E-10	2.98E-10	4.89E-09
4009	478363.09	3854377.25	1.72E-05	2.10E-05	1.84E-05	5.94E-09	1.79E-08	1.04E-08	1.27E-08	1.15E-08	5.26E-09	4.61E-09	0.00E+00	0.00E+00	1.91E-09	4.31E-10	2.74E-09	4.22E-10	3.57E-10	5.86E-09
4010	478863.09	3854377.25	1.91E-05	2.34E-05	2.05E-05	6.61E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.85E-09	5.13E-09	0.00E+00	0.00E+00	2.12E-09	4.80E-10	3.05E-09	4.70E-10	3.97E-10	6.52E-09
4011	479363.09	3854377.25	3.10E-05	3.80E-05	3.33E-05	1.07E-08	3.24E-08	1.88E-08	2.30E-08	2.09E-08	9.52E-09	8.34E-09	0.00E+00	0.00E+00	3.46E-09	7.81E-10	4.95E-09	7.64E-10	6.46E-10	1.06E-08
4012	479863.09	3854377.25	4.24E-05	5.19E-05	4.55E-05	1.47E-08	4.43E-08	2.56E-08	3.14E-08	2.85E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.72E-09	1.07E-09	6.76E-09	1.04E-09	8.82E-10	1.45E-08
4013	480363.09	3854377.25	6.31E-05	7.74E-05	6.78E-05	2.19E-08	6.60E-08	3.82E-08	4.68E-08	4.24E-08	1.94E-08	1.70E-08	0.00E+00	0.00E+00	7.03E-09	1.59E-09	1.01E-08	1.55E-09	1.31E-09	2.16E-08
4014	480863.09	3854377.25	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.06E-07	6.11E-08	7.48E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.49E-09	2.10E-09	3.45E-08
4015	481363.09	3854377.25	1.46E-04	1.79E-04	1.57E-04	5.05E-08	1.52E-07	8.83E-08	1.08E-07	9.80E-08	4.47E-08	3.92E-08	0.00E+00	0.00E+00	1.62E-08	3.67E-09	2.33E-08	3.59E-09	3.03E-09	4.98E-08
4016	481863.09	3854377.25	1.95E-04	2.39E-04	2.10E-04	6.75E-08	2.04E-07	1.18E-07	1.45E-07	1.31E-07	5.98E-08	5.25E-08	0.00E+00	0.00E+00	2.17E-08	4.91E-09	3.11E-08	4.80E-09	4.06E-09	6.66E-08
4017	482363.09	3854377.25	2.76E-04	3.38E-04	2.96E-04	9.55E-08	2.88E-07	1.67E-07	2.04E-07	1.85E-07	8.45E-08	7.42E-08	0.00E+00	0.00E+00	3.07E-08	6.94E-09	4.40E-08	6.79E-09	5.75E-09	9.42E-08
4018	482863.09	3854377.25	5.76E-04	7.06E-04	6.21E-04	1.99E-07	6.02E-07	3.49E-07	4.27E-07	3.87E-07	1.77E-07	1.55E-07	0.00E+00	0.00E+00	6.41E-08	1.45E-08	9.20E-08	1.42E-08	1.20E-08	1.97E-07
4019	483363.09	3854377.25	1.67E-03	2.05E-03	1.80E-03	5.78E-07	1.75E-06	1.01E-06	1.24E-06	1.12E-06	5.12E-07	4.51E-07	0.00E+00	0.00E+00	1.86E-07	4.20E-08	2.67E-07	4.11E-08	3.49E-08	5.71E-07
4020	483863.09	3854377.25	8.48E-04	1.04E-03	9.13E-04	2.94E-07	8.87E-07	5.13E-07	6.29E-07	5.70E-07	2.60E-07	2.28E-07	0.00E+00	0.00E+00	9.44E-08	2.13E-08	1.35E-07	2.09E-08	1.77E-08	2.90E-07
4021	484363.09	3854377.25	5.06E-04	6.20E-04	5.44E-04	1.75E-07	5.29E-07	3.06E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	0.00E+00	0.00E+00	5.63E-08	1.27E-08	8.08E-08	1.25E-08	1.06E-08	1.73E-07
4022	484863.09	3854377.25	3.18E-04	3.90E-04	3.42E-04	1.10E-07	3.33E-07	1.93E-07	2.36E-07	2.14E-07	9.76E-08	8.57E-08	0.00E+00	0.00E+00	3.54E-08	8.01E-09	5.08E-08	7.84E-09	6.63E-09	1.09E-07
4023	485363.09	3854377.25	4.21E-04	5.16E-04	4.51E-04	1.46E-07	4.40E-07	2.55E-07	3.12E-07	2.83E-07	1.29E-07	1.13E-07	0.00E+00	0.00E+00	4.68E-08	1.06E-08	6.72E-08	1.04E-08	8.75E-09	1.44E-07
4024	485863.09	3854377.25	3.37E-04	4.13E-04	3.61E-04	1.17E-07	3.52E-07	2.04E-07	2.50E-07	2.26E-07	1.03E-07	9.03E-08	0.00E+00	0.00E+00	3.75E-08	8.48E-09	5.38E-08	8.29E-09	6.99E-09	1.15E-07
4025	486363.09	3854377.25	3.53E-04	4.32E-04	3.78E-04	1.22E-07	3.69E-07	2.13E-07	2.61E-07	2.37E-07	1.08E-07	9.45E-08	0.00E+00	0.00E+00	3.93E-08	8.88E-09	5.63E-08	8.68E-09	7.32E-09	1.20E-07
4026	486863.09	3854377.25	3.17E-04	3.89E-04	3.40E-04	1.10E-07	3.32E-07	1.92E-07	2.35E-07	2.13E-07	9.73E-08	8.51E-08	0.00E+00	0.00E+00	3.53E-08	7.99E-09	5.07E-08	7.82E-09	6.59E-09	1.08E-07
4027	487363.09	3854377.25	3.17E-04	3.89E-04	3.40E-04	1.10E-07	3.32E-07	1.92E-07	2.35E-07	2.13E-07	9.73E-08	8.51E-08	0.00E+00	0.00E+00	3.53E-08	7.98E-09	5.06E-08	7.81E-09	6.59E-09	1.08E-07
4028	487863.09	3854377.25	3.26E-04	4.00E-04	3.50E-04	1.13E-07	3.41E-07	1.97E-07	2.42E-07	2.19E-07	1.00E-07	8.76E-08	0.00E+00	0.00E+00	3.63E-08	8.21E-09	5.21E-08	8.03E-09	6.78E-09	1.11E-07
4029	488363.09	3854377.25	3.20E-04	3.92E-04	3.43E-04	1.11E-07	3.34E-07	1.94E-07	2.37E-07	2.15E-07	9.81E-08	8.59E-08	0.00E+00	0.00E+00	3.56E-08	8.05E-09	5.11E-08	7.88E-09	6.65E-09	1.09E-07
4030	488863.09	3854377.25	3.10E-04	3.79E-04	3.32E-04	1.07E-07	3.24E-07	1.87E-07	2.30E-07	2.08E-07	9.50E-08	8.32E-08	0.00E+00	0.00E+00	3.45E-08	7.79E-09	4.94E-08	7.63E-09	6.44E-09	1.06E-07
4031	489363.09	3854377.25	2.96E-04	3.62E-04	3.17E-04	1.02E-07	3.09E-07	1.79E-07	2.19E-07	1.99E-07	9.06E-08	7.94E-08	0.00E+00	0.00E+00	3.29E-08	7.44E-09	4.72E-08	7.28E-09	6.15E-09	1.01E-07
4032	489863.09	3854377.25	2.79E-04	3.42E-04	3.00E-04	9.66E-08	2.92E-07	1.69E-07	2.07E-07	1.87E-07	8.55E-08	7.50E-08	0.00E+00	0.00E+00	3.10E-08	7.02E-09	4.45E-08	6.87E-09	5.80E-09	9.53E-08
4033	490363.09	3854377.25	2.61E-04	3.19E-04	2.80E-04	9.02E-08	2.72E-07	1.58E-07	1.93E-07	1.75E-07	7.99E-08	7.01E-08	0.00E+00	0.00E+00	2.90E-08	6.56E-09	4.16E-08	6.42E-09	5.43E-09	8.90E-08
4034	490863.09	3854377.25	2.13E-04	2.61E-04	2.29E-04	7.38E-08	2.23E-07	1.29E-07	1.58E-07	1.43E-07	6.54E-08	5.73E-08	0.00E+00	0.00E+00	2.37E-08	5.37E-09	3.40E-08	5.25E-09	4.44E-09	7.28E-08
4035	491363.09	3854377.25	2.24E-04	2.74E-04	2.40E-04	7.74E-08	2.34E-07	1.35E-07	1.66E-07	1.50E-07	6.86E-08	6.01E-08	0.00E+00	0.00E+00	2.49E-08	5.63E-09	3.57E-08	5.51E-09	4.66E-09	7.64E-08
4036	491863.09	3854377.25	2.27E-04	2.78E-04	2.43E-04	7.84E-08	2.37E-07	1.37E-07	1.68E-07	1.52E-07	6.95E-08	6.09E-08	0.00E+00	0.00E+00	2.52E-08	5.70E-09	3.62E-08	5.58E-09	4.72E-09	7.74E-08
4037	492363.09	3854377.25	2.20E-04	2.70E-04	2.37E-04	7.63E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.76E-08	5.93E-08	0.00E+00	0.00E+00	2.45E-08	5.54E-09	3.52E-08	5.43E-09	4.59E-09	7.53E-08
4038	492863.09	3854377.25	2.09E-04	2.55E-04	2.24E-04	7.22E-08	2.18E-07	1.26E-07	1.55E-07	1.40E-07	6.39E-08	5.61E-08	0.00E+00	0.00E+00	2.32E-08	5.25E-09	3.33E-08	5.13E-09	4.34E-09	7.12E-08
4039	493363.09	3854377.25	1.94E-04	2.38E-04	2.09E-04	6.72E-08	2.03E-07	1.18E-07	1.44E-07	1.31E-07	5.95E-08	5.22E-08	0.00E+00	0.00E+00	2.16E-08	4.89E-09	3.10E-08	4.78E-09	4.04E-09	6.63E-08
4040	493863.09	3854377.25	1.80E-04	2.21E-04	1.93E-04	6.23E-08	1.88E-07	1.09E-07	1.33E-07	1.21E-07	5.52E-08	4.84E-08	0.00E+00	0.00E+00	2.00E-08	4.53E-09	2.88E-08	4.43E-09	3.75E-09	6.15E-08
4041	494363.09	3854377.25	1.67E-04	2.05E-04	1.80E-04	5.79E-08	1.75E-07	1.01E-07	1.24E-07	1.12E-07	5.12E-08	4.49E-08	0.00E+00	0.00E+00	1.86E-08	4.20E-09	2.67E-08	4.11E-09	3.48E-09	5.71E-08
4042	494863.09	3854377.25	1.37E-04	1.68E-04	1.47E-04	4.74E-08	1.43E-07	8.29E-08	1.02E-07	9.21E-08	4.20E-08	3.68E-08	0.00E+00	0.00E+00	1.53E-08	3.45E-09	2.19E-08	3.37E-09	2.85E-09	4.68E-08
4043	495363.09	3854377.25	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.72E-08	2.66E-09	2.25E-09	3.69E-08
4044	495863.09	3854377.25	8.98E-05	1.10E-04	9.64E-05	3.11E-08	9.38E-08	5.43E-08	6.65E-08	6.03E-08	2.75E-08	2.41E-08	0.00E+00	0.00E+00	9.99E-09	2.26E-09	1.43E-08	2.21E-09	1.87E-09	3.07E-08
4045	496363.09	3854377.25	8.09E-05	9.90E-05	8.68E-05	2.80E-08	8.45E-08	4.89E-08	5.99E-08	5.43E-08	2.48E-08	2.17E-08	0.00E+00	0.00E+00	9.00E-09	2.03E-09	1.29E-08	1.99E-09	1.68E-09	2.76E-08
4046	496863.09	3854377.25	7.01E-05	8.58E-05	7.53E-05	2.43E-08	7.33E-08	4.24E-08	5.19E-08	4.71E-08	2.15E-08	1.88E-08	0.00E+00	0.00E+00	7.80E-09	1.76E-09	1.12E-08	1.73E-09	1.46E-09	2.39E-08
4047	497363.09	3854377.25	5.51E-05	6.75E-05	5.92E-05	1.91E-08	5.76E-08	3.34E-08	4.09E-08	3.70E-08	1.69E-08	1.48E-08	0.00E+00	0.00E+00	6.14E-09	1.39E-09	8.80E-09	1.36E-09	1.15E-09	1.88E-08
4048	497863.09	3854377.25	5.60E-05	6.86E-05	6.01E-05	1.94E-08	5.85E-08	3.39E-08	4.15E-08	3.76E-08	1.72E-08	1.50E-08	0.00E+00	0.00E+00	6.23E-09	1.41E-09	8.94E-09	1.38E-09	1.17E-09	1.91E-08
4049	498363.09	3854377.25	4.81E-05	5.89E-05	5.16E-05	1.66E-08	5.02E-08	2.91E-08	3.56E-08	3.23E-08	1.47E-08	1.29E-08	0.00E+00	0.00E+00	5.35E-09	1.21E-09	7.67E-09	1.18E-09	1.00E-09	1.64E-08
4050	471363.09	3854877.25	1.66E-05	2.04E-05	1.78E-05	5.75E-09	1.74E-08	1.01E-08	1.23E-08	1.12E-08	5.10E-09	4.47E-09	0.00E+00	0.00E+00	1.85E-09	4.18E-10	2.65E-09	4.09E-10	3.46E-10	5.68E-09
4051	471863.09	3854877.25	1.79E-05	2.19E-05	1.92E-05	6.20E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.49E-09	4.81E-09	0.00E+00	0.00E+00	1.99E-09	4.50E-10	2.86E-09	4.41E-10	3.73E-10	6.11E-09
4052	472363.09	3854877.25	1.91E-05	2.34E-05	2.05E-05	6.61E-09	2.00E-08	1.16E-08	1.42E-08	1.28E-08	5.86E-09	5.13E-09	0.00E+00	0.00E+00	2.13E-09	4.81E-10	3.05E-09	4.70E-10	3.98E-10	6.53E-09
4053	472863.09	3854877.25	1.98E-05	2.43E-05	2.13E-05	6.87E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.08E-09	5.33E-09	0.00E+00	0.00E+00	2.21E-09	4.99E-10	3.17E-09	4.89E-10	4.13E-10	6.78E-09

4054	473363.09	3854877.25	2.17E-05	2.66E-05	2.33E-05	7.52E-09	2.27E-08	1.31E-08	1.61E-08	1.46E-08	6.66E-09	5.83E-09	0.00E+00	0.00E+00	2.42E-09	5.46E-10	3.47E-09	5.35E-10	4.52E-10	7.42E-09
4055	473863.09	3854877.25	2.36E-05	2.89E-05	2.53E-05	8.16E-09	2.46E-08	1.43E-08	1.75E-08	1.58E-08	7.22E-09	6.33E-09	0.00E+00	0.00E+00	2.62E-09	5.93E-10	3.76E-09	5.80E-10	4.90E-10	8.05E-09
4056	474363.09	3854877.25	2.60E-05	3.18E-05	2.79E-05	8.99E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.96E-09	6.97E-09	0.00E+00	0.00E+00	2.89E-09	6.53E-10	4.14E-09	6.39E-10	5.40E-10	8.87E-09
4057	474863.09	3854877.25	2.32E-05	2.85E-05	2.49E-05	8.04E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.12E-09	6.24E-09	0.00E+00	0.00E+00	2.59E-09	5.85E-10	3.71E-09	5.72E-10	4.83E-10	7.94E-09
4058	475363.09	3854877.25	1.87E-05	2.30E-05	2.01E-05	6.49E-09	1.96E-08	1.13E-08	1.39E-08	1.26E-08	5.75E-09	5.04E-09	0.00E+00	0.00E+00	2.09E-09	4.72E-10	2.99E-09	4.62E-10	3.90E-10	6.40E-09
4059	475863.09	3854877.25	1.41E-05	1.73E-05	1.51E-05	4.88E-09	1.47E-08	8.53E-09	1.05E-08	9.48E-09	4.32E-09	3.79E-09	0.00E+00	0.00E+00	1.57E-09	3.55E-10	2.25E-09	3.47E-10	2.93E-10	4.82E-09
4060	476363.09	3854877.25	9.02E-06	1.11E-05	9.69E-06	3.12E-09	9.43E-09	5.46E-09	6.69E-09	6.06E-09	2.77E-09	2.42E-09	0.00E+00	0.00E+00	1.00E-09	2.27E-10	1.44E-09	2.22E-10	1.88E-10	3.08E-09
4061	476863.09	3854877.25	9.02E-06	1.10E-05	9.69E-06	3.12E-09	9.43E-09	5.46E-09	6.69E-09	6.06E-09	2.77E-09	2.42E-09	0.00E+00	0.00E+00	1.00E-09	2.27E-10	1.44E-09	2.22E-10	1.88E-10	3.08E-09
4062	477363.09	3854877.25	1.11E-05	1.37E-05	1.20E-05	3.86E-09	1.17E-08	6.75E-09	8.26E-09	7.49E-09	3.42E-09	3.00E-09	0.00E+00	0.00E+00	1.24E-09	2.80E-10	1.78E-09	2.74E-10	2.32E-10	3.81E-09
4063	477863.09	3854877.25	1.33E-05	1.63E-05	1.43E-05	4.61E-09	1.39E-08	8.06E-09	9.87E-09	8.94E-09	4.08E-09	3.58E-09	0.00E+00	0.00E+00	1.48E-09	3.35E-10	2.13E-09	3.28E-10	2.77E-10	4.55E-09
4064	478363.09	3854877.25	1.85E-05	2.27E-05	1.99E-05	6.40E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.67E-09	4.97E-09	0.00E+00	0.00E+00	2.06E-09	4.65E-10	2.95E-09	4.55E-10	3.85E-10	6.32E-09
4065	478863.09	3854877.25	2.76E-05	3.38E-05	2.96E-05	9.54E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.45E-09	7.41E-09	0.00E+00	0.00E+00	3.07E-09	6.93E-10	4.40E-09	6.78E-10	5.73E-10	9.41E-09
4066	479363.09	3854877.25	4.16E-05	5.09E-05	4.46E-05	1.44E-08	4.34E-08	2.51E-08	3.08E-08	2.79E-08	1.27E-08	1.12E-08	0.00E+00	0.00E+00	4.63E-09	1.05E-09	6.64E-09	1.02E-09	8.65E-10	1.42E-08
4067	479863.09	3854877.25	6.10E-05	7.47E-05	6.55E-05	2.11E-08	6.37E-08	3.69E-08	4.52E-08	4.10E-08	1.87E-08	1.64E-08	0.00E+00	0.00E+00	6.79E-09	1.53E-09	9.74E-09	1.50E-09	1.27E-09	2.08E-08
4068	480363.09	3854877.25	8.16E-05	1.00E-04	8.77E-05	2.83E-08	8.53E-08	4.94E-08	6.05E-08	5.48E-08	2.50E-08	2.19E-08	0.00E+00	0.00E+00	9.09E-09	2.05E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
4069	480863.09	3854877.25	1.17E-04	1.44E-04	1.26E-04	4.06E-08	1.23E-07	7.10E-08	8.70E-08	7.89E-08	3.60E-08	3.16E-08	0.00E+00	0.00E+00	1.31E-08	2.95E-09	1.87E-08	2.89E-09	2.44E-09	4.01E-08
4070	481363.09	3854877.25	1.52E-04	1.87E-04	1.64E-04	5.28E-08	1.59E-07	9.23E-08	1.13E-07	1.02E-07	4.68E-08	4.10E-08	0.00E+00	0.00E+00	1.70E-08	3.84E-09	2.43E-08	3.75E-09	3.17E-09	5.21E-08
4071	481863.09	3854877.25	1.80E-04	2.21E-04	1.93E-04	6.24E-08	1.88E-07	1.09E-07	1.34E-07	1.21E-07	5.52E-08	4.84E-08	0.00E+00	0.00E+00	2.01E-08	4.53E-09	2.88E-08	4.44E-09	3.75E-09	6.15E-08
4072	482363.09	3854877.25	2.64E-04	3.24E-04	2.84E-04	9.14E-08	2.76E-07	1.60E-07	1.96E-07	1.77E-07	8.10E-08	7.10E-08	0.00E+00	0.00E+00	2.94E-08	6.65E-09	4.22E-08	6.50E-09	5.50E-09	9.02E-08
4073	482863.09	3854877.25	3.96E-04	4.85E-04	4.25E-04	1.37E-07	4.14E-07	2.40E-07	2.94E-07	2.66E-07	1.21E-07	1.06E-07	0.00E+00	0.00E+00	4.41E-08	9.97E-09	6.33E-08	9.75E-09	8.24E-09	1.35E-07
4074	483363.09	3854877.25	6.76E-04	8.29E-04	7.26E-04	2.34E-07	7.07E-07	4.09E-07	5.01E-07	4.55E-07	2.07E-07	1.82E-07	0.00E+00	0.00E+00	7.53E-08	1.70E-08	1.08E-07	1.67E-08	1.41E-08	2.31E-07
4075	483863.09	3854877.25	2.25E-03	2.75E-03	2.40E-03	7.78E-07	2.35E-06	1.36E-06	1.67E-06	1.51E-06	6.89E-07	6.01E-07	0.00E+00	0.00E+00	2.50E-07	5.65E-08	3.59E-07	5.53E-08	4.65E-08	7.67E-07
4076	484363.09	3854877.25	8.75E-03	1.07E-02	9.35E-03	3.03E-06	9.14E-06	5.29E-06	6.49E-06	5.88E-06	2.68E-06	2.34E-06	0.00E+00	0.00E+00	9.74E-07	2.20E-07	1.40E-06	2.15E-07	1.81E-07	2.99E-06
4077	484863.09	3854877.25	3.58E-03	4.38E-03	3.82E-03	1.24E-06	3.74E-06	2.16E-06	2.65E-06	2.40E-06	1.10E-06	9.57E-07	0.00E+00	0.00E+00	3.98E-07	9.00E-08	5.71E-07	8.80E-08	7.41E-08	1.22E-06
4078	485363.09	3854877.25	1.74E-03	2.14E-03	1.86E-03	6.04E-07	1.82E-06	1.06E-06	1.29E-06	1.17E-06	5.35E-07	4.67E-07	0.00E+00	0.00E+00	1.94E-07	4.39E-08	2.79E-07	4.30E-08	3.61E-08	5.96E-07
4079	485863.09	3854877.25	1.12E-03	1.37E-03	1.19E-03	3.86E-07	1.17E-06	6.75E-07	8.27E-07	7.50E-07	3.42E-07	2.99E-07	0.00E+00	0.00E+00	1.24E-07	2.81E-08	1.78E-07	2.75E-08	2.31E-08	3.81E-07
4080	486363.09	3854877.25	8.08E-04	9.90E-04	8.66E-04	2.80E-07	8.45E-07	4.89E-07	5.99E-07	5.43E-07	2.48E-07	2.17E-07	0.00E+00	0.00E+00	9.00E-08	2.03E-08	1.29E-07	1.99E-08	1.68E-08	2.76E-07
4081	486863.09	3854877.25	6.46E-04	7.92E-04	6.93E-04	2.24E-07	6.75E-07	3.91E-07	4.79E-07	4.34E-07	1.98E-07	1.73E-07	0.00E+00	0.00E+00	7.19E-08	1.63E-08	1.03E-07	1.59E-08	1.34E-08	2.21E-07
4082	487363.09	3854877.25	5.88E-04	7.21E-04	6.31E-04	2.04E-07	6.15E-07	3.56E-07	4.36E-07	3.95E-07	1.80E-07	1.58E-07	0.00E+00	0.00E+00	6.55E-08	1.48E-08	9.40E-08	1.45E-08	1.22E-08	2.01E-07
4083	487863.09	3854877.25	5.41E-04	6.63E-04	5.81E-04	1.87E-07	5.66E-07	3.27E-07	4.01E-07	3.64E-07	1.66E-07	1.45E-07	0.00E+00	0.00E+00	6.02E-08	1.36E-08	8.64E-08	1.33E-08	1.13E-08	1.85E-07
4084	488363.09	3854877.25	5.02E-04	6.15E-04	5.39E-04	1.74E-07	5.25E-07	3.04E-07	3.72E-07	3.37E-07	1.54E-07	1.35E-07	0.00E+00	0.00E+00	5.59E-08	1.26E-08	8.01E-08	1.24E-08	1.04E-08	1.71E-07
4085	488863.09	3854877.25	4.71E-04	5.77E-04	5.06E-04	1.63E-07	4.92E-07	2.85E-07	3.49E-07	3.16E-07	1.44E-07	1.27E-07	0.00E+00	0.00E+00	5.24E-08	1.18E-08	7.51E-08	1.16E-08	9.80E-09	1.61E-07
4086	489363.09	3854877.25	4.33E-04	5.30E-04	4.65E-04	1.50E-07	4.52E-07	2.62E-07	3.21E-07	2.91E-07	1.33E-07	1.16E-07	0.00E+00	0.00E+00	4.82E-08	1.09E-08	6.91E-08	1.07E-08	9.01E-09	1.48E-07
4087	489863.09	3854877.25	3.86E-04	4.73E-04	4.15E-04	1.34E-07	4.04E-07	2.34E-07	2.86E-07	2.60E-07	1.18E-07	1.04E-07	0.00E+00	0.00E+00	4.30E-08	9.72E-09	6.17E-08	9.51E-09	8.05E-09	1.32E-07
4088	490363.09	3854877.25	2.94E-04	3.60E-04	3.16E-04	1.02E-07	3.07E-07	1.78E-07	2.18E-07	1.97E-07	9.01E-08	7.90E-08	0.00E+00	0.00E+00	3.27E-08	7.39E-09	4.69E-08	7.23E-09	6.12E-09	1.00E-07
4089	490863.09	3854877.25	2.06E-04	2.52E-04	2.21E-04	7.12E-08	2.15E-07	1.25E-07	1.53E-07	1.38E-07	6.31E-08	5.54E-08	0.00E+00	0.00E+00	2.29E-08	5.18E-09	3.29E-08	5.07E-09	4.29E-09	7.03E-08
4090	491363.09	3854877.25	2.16E-04	2.65E-04	2.32E-04	7.49E-08	2.26E-07	1.31E-07	1.60E-07	1.45E-07	6.63E-08	5.82E-08	0.00E+00	0.00E+00	2.41E-08	5.44E-09	3.45E-08	5.32E-09	4.50E-09	7.39E-08
4091	491863.09	3854877.25	2.87E-04	3.52E-04	3.09E-04	9.95E-08	3.00E-07	1.74E-07	2.13E-07	1.93E-07	8.81E-08	7.73E-08	0.00E+00	0.00E+00	3.20E-08	7.23E-09	4.59E-08	7.07E-09	5.98E-09	9.81E-08
4092	492363.09	3854877.25	2.74E-04	3.35E-04	2.94E-04	9.47E-08	2.86E-07	1.66E-07	2.03E-07	1.84E-07	8.39E-08	7.36E-08	0.00E+00	0.00E+00	3.05E-08	6.89E-09	4.37E-08	6.74E-09	5.70E-09	9.35E-08
4093	492863.09	3854877.25	2.53E-04	3.10E-04	2.72E-04	8.75E-08	2.64E-07	1.53E-07	1.87E-07	1.70E-07	7.75E-08	6.80E-08	0.00E+00	0.00E+00	2.81E-08	6.36E-09	4.03E-08	6.22E-09	5.26E-09	8.63E-08
4094	493363.09	3854877.25	2.30E-04	2.82E-04	2.48E-04	7.98E-08	2.41E-07	1.39E-07	1.71E-07	1.55E-07	7.06E-08	6.19E-08	0.00E+00	0.00E+00	2.56E-08	5.80E-09	3.68E-08	5.67E-09	4.80E-09	7.87E-08
4095	493863.09	3854877.25	2.12E-04	2.59E-04	2.27E-04	7.32E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.49E-08	5.69E-08	0.00E+00	0.00E+00	2.36E-08	5.32E-09	3.38E-08	5.21E-09	4.40E-09	7.23E-08
4096	494363.09	3854877.25	1.65E-04	2.02E-04	1.77E-04	5.72E-08	1.73E-07	1.00E-07	1.22E-07	1.11E-07	5.07E-08	4.44E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.44E-09	5.64E-08
4097	494863.09	3854877.25	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.95E-09	2.50E-09	4.10E-08
4098	495363.09	3854877.25	9.44E-05	1.16E-04	1.01E-04	3.27E-08	9.87E-08	5.71E-08	7.00E-08	6.34E-08	2.89E-08	2.54E-08	0.00E+00	0.00E+00	1.05E-08	2.38E-09	1.51E-08	2.32E-09	1.97E-09	3.22E-08
4099	495863.09	3854877.25	8.05E-05	9.86E-05	8.65E-05	2.79E-08	8.42E-08	4.87E-08	5.97E-08	5.41E-08	2.47E-08	2.16E-08	0.00E+00	0.00E+00	8.96E-09	2.03E-09	1.29E-08	1.98E-09	1.68E-09	2.75E-08
4100	496363.09	3854877.25	6.42E-05	7.87E-05	6.90E-05	2.22E-08	6.71E-08	3.89E-08	4.76E-08	4.31E-08	1.97E-08	1.73E-08	0.00E+00	0.00E+00	7.15E-09	1.62E-09	1.03E-08	1.58E-09	1.34E-09	2.19E-08
4101	496863.09	3854877.25	5.48E-05	6.71E-05	5.88E-05	1.90E-08	5.72E-08	3.31E-08	4.06E-08	3.68E-08	1.68E-08	1.47E-08	0.00E+00	0.00E+00	6.10E-09	1.38E-09	8.74E-09	1.35E-09	1.14E-09	1.87E-08
4102	497363.09	3854877.25	5.13E-05	6.29E-05	5.51E-05	1.78E-08	5.37E-08	3.11E-08	3.80E-08	3.45E-08	1.57E-08	1.38E-08	0.00E+00	0.00E+00	5.71E-09	1.29E-09	8.19E-09	1.26E-09	1.07E-09	1.75E-08
4103	497863.09	3854877.25	5.51E-05	6.75E-05	5.92E-05	1.91E-08	5.76E-08	3.34E-08	4.09E-08	3.70E-08	1.69E-08	1.48E-08	0.00E+00	0.00E+00	6.14E-09	1.39E-09	8.80E-09	1.36E-09	1.15E-09	1.88E-08
4104	498363.09	3854877.25	5.27E-05	6.46E-05	5.66E-05	1.83E-08	5.51E-08	3.19E-08	3.91E-08	3.54E-08	1.62E-08	1.42E-08	0.00E+00	0.00E+00	5.87E-09	1.33E-09	8.42E-09	1.30E-09	1.10E-09	1.80E-08
4105	471363.09	3855377.25	1.66E-05	2.04E-05	1.79E-05	5.75E-09	1.74E-08	1.01E-08	1.23E-08	1.12E-08	5.10E-09	4.47E-09	0.00E+00	0.00E+00	1.85E-09	4.18E-10	2.65E-09	4.09E-10	3.46E-10	5.68E-09
4106	471863.09	3855377.25	1.75E-05	2.14E-05	1.88E-05	6.05E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.36E-09	4.70E-09	0.00E+00	0.00E+00	1.95E-09	4.40E-10	2.79E-09	4.31E-10	3.64E-10	5.97E-09
4107	472363.09	3855377.25	1.89E-05	2.32E-05	2.04E-05	6.56E-09	1.98E-08	1.15E-08	1.40E-08	1.27E-08	5.81E-09	5.09E-09	0.00E+00	0.00E+00	2.11E-09	4.77E-10	3.02E-09	4.66E-10	3.94E-10	6.47E-09
4108	472863.09	3855377.25	1.99E-05	2.44E-05	2.14E-05	6.90E-09	2.08E-08	1.21E-08	1.48E-08	1.34E-08	6.11E-09	5.36E-09	0.00E+00	0.00E+00	2.22E-09	5.01E-10	3.18E-09	4.91E-10	4.15E-10	6.81E-09
4109	473363.09	3855377.25	2.19E-05	2.68E-05	2.35E-05	7.58E-09	2.29E-08	1.33E-08	1.62E-08	1.47E-08	6.72E-09	5.89E-09	0.00E+00	0.00E+00	2.44E-09	5.51E-10	3.50E-09	5.39E-10	4.56E-10	7.48E-09
4110	473863.09	3855377.25	2.38E-05	2.91E-05	2.55E-05	8.22E-09	2.48E-08	1.44E-08	1.76E-08	1.60E-08	7.28E-09	6.39E-09	0.00E+00	0.00E+00	2.64E-09	5.97E-10	3.79E-09	5.85E-10	4.94E-10	8.11E-09
4111	474363.09	3855377.25	2.56E-05	3.14E-05	2.75E-05	8.87E-09	2.68E-08	1.55E-08	1.90E-08	1.72E-08	7.85E-09	6.89E-09	0.00E+00	0.00E+00	2.85E-09	6.44E-10	4.09E-09	6.31E-10	5.33E-10	8.75E-09

4112	474863.09	3855377.25	2.33E-05	2.85E-05	2.50E-05	8.06E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.14E-09	6.26E-09	0.00E+00	0.00E+00	2.59E-09	5.86E-10	3.72E-09	5.74E-10	4.85E-10	7.96E-09
4113	475363.09	3855377.25	1.19E-05	1.46E-05	1.28E-05	4.12E-09	1.25E-08	7.21E-09	8.83E-09	8.00E-09	3.65E-09	3.20E-09	0.00E+00	0.00E+00	1.33E-09	3.00E-10	1.90E-09	2.93E-10	2.48E-10	4.07E-09
4114	475863.09	3855377.25	8.94E-06	1.10E-05	9.60E-06	3.10E-09	9.35E-09	5.41E-09	6.63E-09	6.01E-09	2.74E-09	2.40E-09	0.00E+00	0.00E+00	9.96E-10	2.25E-10	1.43E-09	2.20E-10	1.86E-10	3.05E-09
4115	476363.09	3855377.25	1.07E-05	1.31E-05	1.15E-05	3.71E-09	1.12E-08	6.49E-09	7.94E-09	7.20E-09	3.29E-09	2.88E-09	0.00E+00	0.00E+00	1.19E-09	2.70E-10	1.71E-09	2.64E-10	2.23E-10	3.66E-09
4116	476863.09	3855377.25	1.05E-05	1.29E-05	1.13E-05	3.65E-09	1.10E-08	6.38E-09	7.81E-09	7.08E-09	3.23E-09	2.83E-09	0.00E+00	0.00E+00	1.17E-09	2.65E-10	1.68E-09	2.60E-10	2.19E-10	3.60E-09
4117	477363.09	3855377.25	1.19E-05	1.46E-05	1.28E-05	4.13E-09	1.25E-08	7.21E-09	8.83E-09	8.01E-09	3.65E-09	3.20E-09	0.00E+00	0.00E+00	1.33E-09	3.00E-10	1.90E-09	2.93E-10	2.48E-10	4.07E-09
4118	477863.09	3855377.25	1.60E-05	1.96E-05	1.72E-05	5.55E-09	1.68E-08	9.71E-09	1.19E-08	1.08E-08	4.92E-09	4.31E-09	0.00E+00	0.00E+00	1.79E-09	4.04E-10	2.56E-09	3.95E-10	3.34E-10	5.48E-09
4119	478363.09	3855377.25	2.14E-05	2.63E-05	2.30E-05	7.42E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.57E-09	5.76E-09	0.00E+00	0.00E+00	2.39E-09	5.39E-10	3.42E-09	5.28E-10	4.46E-10	7.32E-09
4120	478863.09	3855377.25	2.81E-05	3.44E-05	3.02E-05	9.72E-09	2.94E-08	1.70E-08	2.08E-08	1.89E-08	8.61E-09	7.55E-09	0.00E+00	0.00E+00	3.13E-09	7.07E-10	4.48E-09	6.91E-10	5.84E-10	9.59E-09
4121	479363.09	3855377.25	3.98E-05	4.88E-05	4.28E-05	1.38E-08	4.16E-08	2.41E-08	2.95E-08	2.68E-08	1.22E-08	1.07E-08	0.00E+00	0.00E+00	4.43E-09	1.00E-09	6.36E-09	9.80E-10	8.29E-10	1.36E-08
4122	479863.09	3855377.25	5.41E-05	6.63E-05	5.81E-05	1.87E-08	5.66E-08	3.28E-08	4.01E-08	3.64E-08	1.66E-08	1.46E-08	0.00E+00	0.00E+00	6.03E-09	1.36E-09	8.64E-09	1.33E-09	1.13E-09	1.85E-08
4123	480363.09	3855377.25	8.37E-05	1.02E-04	8.99E-05	2.90E-08	8.74E-08	5.06E-08	6.20E-08	5.62E-08	2.57E-08	2.25E-08	0.00E+00	0.00E+00	9.31E-09	2.10E-09	1.34E-08	2.06E-09	1.74E-09	2.86E-08
4124	480863.09	3855377.25	1.24E-04	1.52E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.31E-08	3.79E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.98E-08	3.05E-09	2.57E-09	4.23E-08
4125	481363.09	3855377.25	1.65E-04	2.03E-04	1.78E-04	5.72E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.07E-08	4.44E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.44E-09	5.65E-08
4126	481863.09	3855377.25	2.04E-04	2.50E-04	2.19E-04	7.06E-08	2.13E-07	1.23E-07	1.51E-07	1.37E-07	6.25E-08	5.48E-08	0.00E+00	0.00E+00	2.27E-08	5.13E-09	3.25E-08	5.02E-09	4.24E-09	6.96E-08
4127	482363.09	3855377.25	2.46E-04	3.02E-04	2.65E-04	8.53E-08	2.58E-07	1.49E-07	1.83E-07	1.66E-07	7.55E-08	6.62E-08	0.00E+00	0.00E+00	2.74E-08	6.20E-09	3.93E-08	6.07E-09	5.13E-09	8.42E-08
4128	482863.09	3855377.25	3.33E-04	4.08E-04	3.58E-04	1.15E-07	3.48E-07	2.02E-07	2.47E-07	2.24E-07	1.02E-07	8.95E-08	0.00E+00	0.00E+00	3.71E-08	8.38E-09	5.32E-08	8.20E-09	6.93E-09	1.14E-07
4129	483363.09	3855377.25	4.77E-04	5.84E-04	5.11E-04	1.65E-07	4.99E-07	2.89E-07	3.54E-07	3.21E-07	1.46E-07	1.28E-07	0.00E+00	0.00E+00	5.31E-08	1.20E-08	7.62E-08	1.17E-08	9.91E-09	1.63E-07
4130	483863.09	3855377.25	8.05E-04	9.86E-04	8.61E-04	2.79E-07	8.41E-07	4.87E-07	5.96E-07	5.41E-07	2.47E-07	2.16E-07	0.00E+00	0.00E+00	8.96E-08	2.02E-08	1.28E-07	1.98E-08	1.67E-08	2.75E-07
4131	484363.09	3855377.25	1.97E-03	2.41E-03	2.11E-03	6.82E-07	2.06E-06	1.19E-06	1.46E-06	1.32E-06	6.04E-07	5.28E-07	0.00E+00	0.00E+00	2.19E-07	4.96E-08	3.15E-07	4.85E-08	4.09E-08	6.73E-07
4132	484863.09	3855377.25	6.24E-03	7.64E-03	6.72E-03	2.16E-06	6.52E-06	3.78E-06	4.62E-06	4.19E-06	1.91E-06	1.68E-06	0.00E+00	0.00E+00	6.95E-07	1.57E-07	9.96E-07	1.54E-07	1.30E-07	2.13E-06
4133	485363.09	3855377.25	4.94E-03	6.05E-03	5.32E-03	1.71E-06	5.16E-06	2.99E-06	3.66E-06	3.32E-06	1.51E-06	1.33E-06	0.00E+00	0.00E+00	5.50E-07	1.24E-07	7.89E-07	1.22E-07	1.03E-07	1.69E-06
4134	485863.09	3855377.25	2.37E-03	2.90E-03	2.55E-03	8.21E-07	2.48E-06	1.43E-06	1.76E-06	1.59E-06	7.27E-07	6.38E-07	0.00E+00	0.00E+00	2.64E-07	5.96E-08	3.78E-07	5.84E-08	4.94E-08	8.10E-07
4135	486363.09	3855377.25	1.50E-03	1.84E-03	1.61E-03	5.19E-07	1.57E-06	9.07E-07	1.11E-06	1.01E-06	4.60E-07	4.04E-07	0.00E+00	0.00E+00	1.67E-07	3.77E-08	2.39E-07	3.69E-08	3.12E-08	5.12E-07
4136	486863.09	3855377.25	1.08E-03	1.32E-03	1.16E-03	3.72E-07	1.12E-06	6.51E-07	7.97E-07	7.22E-07	3.30E-07	2.89E-07	0.00E+00	0.00E+00	1.20E-07	2.70E-08	1.72E-07	2.65E-08	2.24E-08	3.67E-07
4137	487363.09	3855377.25	9.28E-04	1.14E-03	9.98E-04	3.21E-07	9.70E-07	5.62E-07	6.88E-07	6.24E-07	2.85E-07	2.50E-07	0.00E+00	0.00E+00	1.03E-07	2.33E-08	1.48E-07	2.28E-08	1.93E-08	3.17E-07
4138	487863.09	3855377.25	8.13E-04	9.96E-04	8.75E-04	2.81E-07	8.50E-07	4.92E-07	6.03E-07	5.46E-07	2.49E-07	2.19E-07	0.00E+00	0.00E+00	9.05E-08	2.05E-08	1.30E-07	2.00E-08	1.69E-08	2.78E-07
4139	488363.09	3855377.25	7.22E-04	8.84E-04	7.76E-04	2.50E-07	7.54E-07	4.37E-07	5.35E-07	4.85E-07	2.21E-07	1.94E-07	0.00E+00	0.00E+00	8.03E-08	1.82E-08	1.15E-07	1.78E-08	1.50E-08	2.47E-07
4140	488863.09	3855377.25	6.45E-04	7.89E-04	6.93E-04	2.23E-07	6.74E-07	3.90E-07	4.78E-07	4.33E-07	1.98E-07	1.74E-07	0.00E+00	0.00E+00	7.17E-08	1.62E-08	1.03E-07	1.59E-08	1.34E-08	2.20E-07
4141	489363.09	3855377.25	5.76E-04	7.05E-04	6.19E-04	1.99E-07	6.02E-07	3.48E-07	4.27E-07	3.87E-07	1.76E-07	1.55E-07	0.00E+00	0.00E+00	6.41E-08	1.45E-08	9.19E-08	1.42E-08	1.20E-08	1.97E-07
4142	489863.09	3855377.25	5.11E-04	6.26E-04	5.49E-04	1.77E-07	5.34E-07	3.09E-07	3.78E-07	3.43E-07	1.57E-07	1.37E-07	0.00E+00	0.00E+00	5.68E-08	1.28E-08	8.15E-08	1.26E-08	1.06E-08	1.74E-07
4143	490363.09	3855377.25	4.67E-04	5.73E-04	5.03E-04	1.62E-07	4.89E-07	2.83E-07	3.46E-07	3.14E-07	1.43E-07	1.26E-07	0.00E+00	0.00E+00	5.20E-08	1.18E-08	7.46E-08	1.15E-08	9.74E-09	1.60E-07
4144	490863.09	3855377.25	3.19E-04	3.91E-04	3.43E-04	1.11E-07	3.34E-07	1.93E-07	2.37E-07	2.15E-07	9.79E-08	8.60E-08	0.00E+00	0.00E+00	3.56E-08	8.04E-09	5.10E-08	7.86E-09	6.66E-09	1.09E-07
4145	491363.09	3855377.25	2.64E-04	3.24E-04	2.84E-04	9.15E-08	2.76E-07	1.60E-07	1.96E-07	1.78E-07	8.10E-08	7.11E-08	0.00E+00	0.00E+00	2.94E-08	6.65E-09	4.22E-08	6.50E-09	5.50E-09	9.02E-08
4146	491863.09	3855377.25	3.45E-04	4.23E-04	3.71E-04	1.19E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.28E-08	0.00E+00	0.00E+00	3.84E-08	8.68E-09	5.51E-08	8.50E-09	7.19E-09	1.18E-07
4147	492363.09	3855377.25	3.21E-04	3.93E-04	3.45E-04	1.11E-07	3.35E-07	1.94E-07	2.38E-07	2.16E-07	9.84E-08	8.63E-08	0.00E+00	0.00E+00	3.57E-08	8.07E-09	5.12E-08	7.90E-09	6.68E-09	1.10E-07
4148	492863.09	3855377.25	2.92E-04	3.57E-04	3.14E-04	1.01E-07	3.05E-07	1.77E-07	2.16E-07	1.96E-07	8.95E-08	7.85E-08	0.00E+00	0.00E+00	3.25E-08	7.34E-09	4.66E-08	7.18E-09	6.08E-09	9.97E-08
4149	493363.09	3855377.25	2.55E-04	3.12E-04	2.74E-04	8.83E-08	2.67E-07	1.54E-07	1.89E-07	1.71E-07	7.82E-08	6.86E-08	0.00E+00	0.00E+00	2.84E-08	6.42E-09	4.07E-08	6.28E-09	5.31E-09	8.71E-08
4150	493863.09	3855377.25	1.99E-04	2.44E-04	2.14E-04	6.90E-08	2.08E-07	1.21E-07	1.48E-07	1.34E-07	6.11E-08	5.36E-08	0.00E+00	0.00E+00	2.22E-08	5.02E-09	3.18E-08	4.91E-09	4.15E-09	6.81E-08
4151	494363.09	3855377.25	1.46E-04	1.78E-04	1.56E-04	5.04E-08	1.52E-07	8.81E-08	1.08E-07	9.78E-08	4.46E-08	3.91E-08	0.00E+00	0.00E+00	1.62E-08	3.66E-09	2.32E-08	3.58E-09	3.03E-09	4.97E-08
4152	494863.09	3855377.25	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.32E-08	7.74E-08	7.02E-08	3.20E-08	2.81E-08	0.00E+00	0.00E+00	1.16E-08	2.63E-09	1.67E-08	2.57E-09	2.17E-09	3.57E-08
4153	495363.09	3855377.25	7.97E-05	9.76E-05	8.56E-05	2.76E-08	8.33E-08	4.82E-08	5.91E-08	5.35E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.87E-09	2.00E-09	1.27E-08	1.96E-09	1.66E-09	2.72E-08
4154	495863.09	3855377.25	6.45E-05	7.90E-05	6.93E-05	2.23E-08	6.74E-08	3.90E-08	4.78E-08	4.33E-08	1.98E-08	1.73E-08	0.00E+00	0.00E+00	7.18E-09	1.62E-09	1.03E-08	1.59E-09	1.34E-09	2.20E-08
4155	496363.09	3855377.25	6.01E-05	7.36E-05	6.45E-05	2.08E-08	6.28E-08	3.63E-08	4.45E-08	4.04E-08	1.84E-08	1.61E-08	0.00E+00	0.00E+00	6.69E-09	1.51E-09	9.59E-09	1.48E-09	1.25E-09	2.05E-08
4156	496863.09	3855377.25	5.67E-05	6.95E-05	6.09E-05	1.96E-08	5.93E-08	3.43E-08	4.20E-08	3.81E-08	1.74E-08	1.52E-08	0.00E+00	0.00E+00	6.32E-09	1.43E-09	9.06E-09	1.40E-09	1.18E-09	1.94E-08
4157	497363.09	3855377.25	5.58E-05	6.84E-05	5.99E-05	1.93E-08	5.83E-08	3.38E-08	4.14E-08	3.75E-08	1.71E-08	1.50E-08	0.00E+00	0.00E+00	6.21E-09	1.40E-09	8.91E-09	1.37E-09	1.16E-09	1.91E-08
4158	497863.09	3855377.25	5.72E-05	7.00E-05	6.14E-05	1.98E-08	5.97E-08	3.46E-08	4.24E-08	3.84E-08	1.75E-08	1.54E-08	0.00E+00	0.00E+00	6.36E-09	1.44E-09	9.12E-09	1.41E-09	1.19E-09	1.95E-08
4159	498363.09	3855377.25	5.94E-05	7.27E-05	6.37E-05	2.05E-08	6.20E-08	3.59E-08	4.40E-08	3.99E-08	1.82E-08	1.60E-08	0.00E+00	0.00E+00	6.61E-09	1.49E-09	9.47E-09	1.46E-09	1.24E-09	2.03E-08
4160	471363.09	3855877.25	1.70E-05	2.09E-05	1.83E-05	5.90E-09	1.78E-08	1.03E-08	1.26E-08	1.14E-08	5.22E-09	4.58E-09	0.00E+00	0.00E+00	1.90E-09	4.29E-10	2.72E-09	4.19E-10	3.55E-10	5.82E-09
4161	471863.09	3855877.25	1.80E-05	2.20E-05	1.93E-05	6.22E-09	1.88E-08	1.09E-08	1.33E-08	1.21E-08	5.51E-09	4.83E-09	0.00E+00	0.00E+00	2.00E-09	4.52E-10	2.87E-09	4.42E-10	3.74E-10	6.14E-09
4162	472363.09	3855877.25	1.97E-05	2.41E-05	2.12E-05	6.82E-09	2.06E-08	1.19E-08	1.46E-08	1.32E-08	6.04E-09	5.30E-09	0.00E+00	0.00E+00	2.19E-09	4.96E-10	3.15E-09	4.85E-10	4.10E-10	6.73E-09
4163	472863.09	3855877.25	2.05E-05	2.51E-05	2.20E-05	7.10E-09	2.14E-08	1.24E-08	1.52E-08	1.38E-08	6.29E-09	5.51E-09	0.00E+00	0.00E+00	2.28E-09	5.16E-10	3.27E-09	5.05E-10	4.27E-10	7.00E-09
4164	473363.09	3855877.25	2.28E-05	2.80E-05	2.45E-05	7.91E-09	2.39E-08	1.38E-08	1.69E-08	1.53E-08	7.00E-09	6.14E-09	0.00E+00	0.00E+00	2.54E-09	5.75E-10	3.65E-09	5.62E-10	4.75E-10	7.80E-09
4165	473863.09	3855877.25	2.49E-05	3.05E-05	2.67E-05	8.61E-09	2.60E-08	1.50E-08	1.84E-08	1.67E-08	7.62E-09	6.68E-09	0.00E+00	0.00E+00	2.77E-09	6.26E-10	3.97E-09	6.12E-10	5.17E-10	8.49E-09
4166	474363.09	3855877.25	2.66E-05	3.26E-05	2.85E-05	9.20E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.15E-09	7.14E-09	0.00E+00	0.00E+00	2.96E-09	6.69E-10	4.24E-09	6.54E-10	5.53E-10	9.08E-09
4167	474863.09	3855877.25	2.30E-05	2.81E-05	2.46E-05	7.95E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.04E-09	6.17E-09	0.00E+00	0.00E+00	2.55E-09	5.77E-10	3.66E-09	5.65E-10	4.78E-10	7.84E-09
4168	475363.09	3855877.25	1.51E-05	1.85E-05	1.63E-05	5.24E-09	1.58E-08	9.16E-09	1.12E-08	1.02E-08	4.64E-09	4.07E-09	0.00E+00	0.00E+00	1.68E-09	3.81E-10	2.42E-09	3.73E-10	3.15E-10	5.17E-09
4169	475863.09	3855877.25	6.58E-06	8.05E-06	7.06E-06	2.28E-09	6.87E-09	3.98E-09	4.87E-09	4.42E-09	2.02E-09	1.77E-09	0.00E+00	0.00E+00	7.32E-10	1.65E-10	1.05E-09	1.62E-10	1.37E-10	2.25E-09

4170	476363.09	3855877.25	7.11E-06	8.71E-06	7.63E-06	2.46E-09	7.43E-09	4.30E-09	5.27E-09	4.78E-09	2.18E-09	1.91E-09	0.00E+00	0.00E+00	7.91E-10	1.79E-10	1.13E-09	1.75E-10	1.48E-10	2.43E-09
4171	476863.09	3855877.25	1.09E-05	1.34E-05	1.17E-05	3.78E-09	1.14E-08	6.61E-09	8.10E-09	7.34E-09	3.35E-09	2.94E-09	0.00E+00	0.00E+00	1.22E-09	2.75E-10	1.74E-09	2.69E-10	2.27E-10	3.73E-09
4172	477363.09	3855877.25	1.36E-05	1.66E-05	1.46E-05	4.70E-09	1.42E-08	8.21E-09	1.01E-08	9.12E-09	4.16E-09	3.65E-09	0.00E+00	0.00E+00	1.51E-09	3.41E-10	2.17E-09	3.34E-10	2.82E-10	4.64E-09
4173	477863.09	3855877.25	1.71E-05	2.10E-05	1.84E-05	5.93E-09	1.79E-08	1.04E-08	1.27E-08	1.15E-08	5.25E-09	4.60E-09	0.00E+00	0.00E+00	1.91E-09	4.31E-10	2.73E-09	4.21E-10	3.56E-10	5.85E-09
4174	478363.09	3855877.25	2.26E-05	2.77E-05	2.43E-05	7.82E-09	2.36E-08	1.37E-08	1.68E-08	1.52E-08	6.93E-09	6.07E-09	0.00E+00	0.00E+00	2.52E-09	5.69E-10	3.61E-09	5.56E-10	4.70E-10	7.72E-09
4175	478863.09	3855877.25	3.10E-05	3.79E-05	3.33E-05	1.07E-08	3.24E-08	1.87E-08	2.29E-08	2.08E-08	9.49E-09	8.32E-09	0.00E+00	0.00E+00	3.45E-09	7.79E-10	4.94E-09	7.62E-10	6.44E-10	1.06E-08
4176	479363.09	3855877.25	4.42E-05	5.42E-05	4.75E-05	1.53E-08	4.62E-08	2.68E-08	3.28E-08	2.97E-08	1.36E-08	1.19E-08	0.00E+00	0.00E+00	4.92E-09	1.11E-09	7.06E-09	1.09E-09	9.20E-10	1.51E-08
4177	479863.09	3855877.25	6.04E-05	7.40E-05	6.49E-05	2.09E-08	6.31E-08	3.65E-08	4.48E-08	4.06E-08	1.85E-08	1.62E-08	0.00E+00	0.00E+00	6.72E-09	1.52E-09	9.64E-09	1.49E-09	1.26E-09	2.06E-08
4178	480363.09	3855877.25	8.56E-05	1.05E-04	9.19E-05	2.96E-08	8.95E-08	5.18E-08	6.34E-08	5.75E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.53E-09	2.15E-09	1.37E-08	2.11E-09	1.78E-09	2.92E-08
4179	480863.09	3855877.25	1.20E-04	1.47E-04	1.29E-04	4.16E-08	1.25E-07	7.26E-08	8.90E-08	8.07E-08	3.68E-08	3.23E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.92E-08	2.96E-09	2.50E-09	4.10E-08
4180	481363.09	3855877.25	1.43E-04	1.76E-04	1.54E-04	4.96E-08	1.50E-07	8.67E-08	1.06E-07	9.63E-08	4.39E-08	3.85E-08	0.00E+00	0.00E+00	1.60E-08	3.60E-09	2.29E-08	3.53E-09	2.98E-09	4.89E-08
4181	481863.09	3855877.25	1.99E-04	2.43E-04	2.13E-04	6.87E-08	2.07E-07	1.20E-07	1.47E-07	1.33E-07	6.09E-08	5.33E-08	0.00E+00	0.00E+00	2.21E-08	4.99E-09	3.17E-08	4.89E-09	4.13E-09	6.78E-08
4182	482363.09	3855877.25	2.28E-04	2.80E-04	2.45E-04	7.91E-08	2.39E-07	1.38E-07	1.69E-07	1.53E-07	7.00E-08	6.14E-08	0.00E+00	0.00E+00	2.54E-08	5.75E-09	3.65E-08	5.62E-09	4.75E-09	7.80E-08
4183	482863.09	3855877.25	2.89E-04	3.54E-04	3.10E-04	1.00E-07	3.02E-07	1.75E-07	2.14E-07	1.94E-07	8.86E-08	7.77E-08	0.00E+00	0.00E+00	3.22E-08	7.27E-09	4.61E-08	7.12E-09	6.01E-09	9.87E-08
4184	483363.09	3855877.25	3.78E-04	4.63E-04	4.06E-04	1.31E-07	3.95E-07	2.29E-07	2.80E-07	2.54E-07	1.16E-07	1.02E-07	0.00E+00	0.00E+00	4.21E-08	9.51E-09	6.03E-08	9.30E-09	7.86E-09	1.29E-07
4185	483863.09	3855877.25	5.24E-04	6.42E-04	5.63E-04	1.81E-07	5.48E-07	3.17E-07	3.88E-07	3.52E-07	1.61E-07	1.41E-07	0.00E+00	0.00E+00	5.83E-08	1.32E-08	8.36E-08	1.29E-08	1.09E-08	1.79E-07
4186	484363.09	3855877.25	8.14E-04	9.97E-04	8.75E-04	2.82E-07	8.51E-07	4.92E-07	6.03E-07	5.47E-07	2.49E-07	2.19E-07	0.00E+00	0.00E+00	9.06E-08	2.05E-08	1.30E-07	2.00E-08	1.70E-08	2.78E-07
4187	484863.09	3855877.25	1.66E-03	2.03E-03	1.78E-03	5.73E-07	1.73E-06	1.00E-06	1.23E-06	1.11E-06	5.08E-07	4.47E-07	0.00E+00	0.00E+00	1.84E-07	4.17E-08	2.64E-07	4.08E-08	3.46E-08	5.66E-07
4188	485363.09	3855877.25	7.07E-03	8.66E-03	7.64E-03	2.45E-06	7.39E-06	4.28E-06	5.24E-06	4.75E-06	2.17E-06	1.91E-06	0.00E+00	0.00E+00	7.87E-07	1.78E-07	1.13E-06	1.74E-07	1.48E-07	2.42E-06
4189	485863.09	3855877.25	6.24E-03	7.64E-03	6.73E-03	2.16E-06	6.52E-06	3.77E-06	4.62E-06	4.19E-06	1.91E-06	1.68E-06	0.00E+00	0.00E+00	6.94E-07	1.57E-07	9.96E-07	1.54E-07	1.30E-07	2.13E-06
4190	486363.09	3855877.25	2.54E-03	3.11E-03	2.73E-03	8.78E-07	2.65E-06	1.53E-06	1.88E-06	1.70E-06	7.77E-07	6.84E-07	0.00E+00	0.00E+00	2.82E-07	6.38E-08	4.05E-07	6.24E-08	5.30E-08	8.66E-07
4191	486863.09	3855877.25	1.69E-03	2.08E-03	1.83E-03	5.87E-07	1.77E-06	1.03E-06	1.26E-06	1.14E-06	5.19E-07	4.57E-07	0.00E+00	0.00E+00	1.89E-07	4.26E-08	2.71E-07	4.17E-08	3.54E-08	5.79E-07
4192	487363.09	3855877.25	1.37E-03	1.68E-03	1.48E-03	4.75E-07	1.43E-06	8.31E-07	1.02E-06	9.22E-07	4.21E-07	3.70E-07	0.00E+00	0.00E+00	1.53E-07	3.45E-08	2.19E-07	3.38E-08	2.87E-08	4.69E-07
4193	487863.09	3855877.25	1.14E-03	1.40E-03	1.23E-03	3.96E-07	1.20E-06	6.92E-07	8.48E-07	7.69E-07	3.51E-07	3.09E-07	0.00E+00	0.00E+00	1.27E-07	2.88E-08	1.83E-07	2.82E-08	2.39E-08	3.91E-07
4194	488363.09	3855877.25	9.66E-04	1.18E-03	1.04E-03	3.34E-07	1.01E-06	5.84E-07	7.16E-07	6.49E-07	2.96E-07	2.60E-07	0.00E+00	0.00E+00	1.08E-07	2.43E-08	1.54E-07	2.38E-08	2.02E-08	3.30E-07
4195	488863.09	3855877.25	8.29E-04	1.02E-03	8.93E-04	2.87E-07	8.67E-07	5.02E-07	6.15E-07	5.57E-07	2.54E-07	2.23E-07	0.00E+00	0.00E+00	9.23E-08	2.09E-08	1.32E-07	2.04E-08	1.73E-08	2.83E-07
4196	489363.09	3855877.25	7.20E-04	8.82E-04	7.75E-04	2.49E-07	7.53E-07	4.36E-07	5.34E-07	4.84E-07	2.21E-07	1.94E-07	0.00E+00	0.00E+00	8.02E-08	1.81E-08	1.15E-07	1.77E-08	1.50E-08	2.46E-07
4197	489863.09	3855877.25	6.32E-04	7.74E-04	6.80E-04	2.19E-07	6.60E-07	3.82E-07	4.68E-07	4.25E-07	1.94E-07	1.70E-07	0.00E+00	0.00E+00	7.03E-08	1.59E-08	1.01E-07	1.56E-08	1.32E-08	2.16E-07
4198	490363.09	3855877.25	5.60E-04	6.86E-04	6.02E-04	1.94E-07	5.86E-07	3.39E-07	4.15E-07	3.76E-07	1.72E-07	1.51E-07	0.00E+00	0.00E+00	6.24E-08	1.41E-08	8.94E-08	1.38E-08	1.17E-08	1.91E-07
4199	490863.09	3855877.25	4.97E-04	6.08E-04	5.34E-04	1.72E-07	5.19E-07	3.01E-07	3.68E-07	3.34E-07	1.52E-07	1.34E-07	0.00E+00	0.00E+00	5.53E-08	1.25E-08	7.93E-08	1.22E-08	1.03E-08	1.70E-07
4200	491363.09	3855877.25	4.24E-04	5.19E-04	4.55E-04	1.47E-07	4.43E-07	2.56E-07	3.14E-07	2.85E-07	1.30E-07	1.14E-07	0.00E+00	0.00E+00	4.72E-08	1.07E-08	6.76E-08	1.04E-08	8.82E-09	1.45E-07
4201	491863.09	3855877.25	4.01E-04	4.91E-04	4.30E-04	1.39E-07	4.19E-07	2.42E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	0.00E+00	0.00E+00	4.46E-08	1.01E-08	6.39E-08	9.86E-09	8.34E-09	1.37E-07
4202	492363.09	3855877.25	3.58E-04	4.38E-04	3.84E-04	1.24E-07	3.74E-07	2.16E-07	2.65E-07	2.40E-07	1.10E-07	9.61E-08	0.00E+00	0.00E+00	3.98E-08	9.00E-09	5.71E-08	8.81E-09	7.44E-09	1.22E-07
4203	492863.09	3855877.25	3.21E-04	3.93E-04	3.44E-04	1.11E-07	3.35E-07	1.94E-07	2.38E-07	2.15E-07	9.83E-08	8.62E-08	0.00E+00	0.00E+00	3.57E-08	8.07E-09	5.12E-08	7.89E-09	6.67E-09	1.09E-07
4204	493363.09	3855877.25	2.53E-04	3.09E-04	2.71E-04	8.74E-08	2.64E-07	1.53E-07	1.87E-07	1.70E-07	7.74E-08	6.79E-08	0.00E+00	0.00E+00	2.81E-08	6.35E-09	4.03E-08	6.22E-09	5.26E-09	8.63E-08
4205	493863.09	3855877.25	1.78E-04	2.18E-04	1.91E-04	6.15E-08	1.86E-07	1.07E-07	1.32E-07	1.19E-07	5.44E-08	4.77E-08	0.00E+00	0.00E+00	1.98E-08	4.47E-09	2.83E-08	4.37E-09	3.70E-09	6.06E-08
4206	494363.09	3855877.25	1.23E-04	1.50E-04	1.32E-04	4.24E-08	1.28E-07	7.41E-08	9.08E-08	8.23E-08	3.76E-08	3.29E-08	0.00E+00	0.00E+00	1.36E-08	3.08E-09	1.96E-08	3.02E-09	2.55E-09	4.18E-08
4207	494863.09	3855877.25	9.06E-05	1.11E-04	9.73E-05	3.14E-08	9.47E-08	5.48E-08	6.71E-08	6.08E-08	2.78E-08	2.43E-08	0.00E+00	0.00E+00	1.01E-08	2.28E-09	1.45E-08	2.23E-09	1.88E-09	3.09E-08
4208	495363.09	3855877.25	6.41E-05	7.85E-05	6.89E-05	2.22E-08	6.70E-08	3.88E-08	4.75E-08	4.31E-08	1.97E-08	1.72E-08	0.00E+00	0.00E+00	7.14E-09	1.61E-09	1.02E-08	1.58E-09	1.33E-09	2.19E-08
4209	495863.09	3855877.25	6.03E-05	7.39E-05	6.48E-05	2.09E-08	6.31E-08	3.65E-08	4.47E-08	4.05E-08	1.85E-08	1.62E-08	0.00E+00	0.00E+00	6.72E-09	1.52E-09	9.63E-09	1.49E-09	1.26E-09	2.06E-08
4210	496363.09	3855877.25	5.79E-05	7.09E-05	6.21E-05	2.00E-08	6.05E-08	3.50E-08	4.29E-08	3.89E-08	1.77E-08	1.56E-08	0.00E+00	0.00E+00	6.44E-09	1.46E-09	9.24E-09	1.42E-09	1.20E-09	1.98E-08
4211	496863.09	3855877.25	5.82E-05	7.12E-05	6.24E-05	2.01E-08	6.08E-08	3.52E-08	4.31E-08	3.91E-08	1.78E-08	1.56E-08	0.00E+00	0.00E+00	6.47E-09	1.46E-09	9.28E-09	1.43E-09	1.21E-09	1.99E-08
4212	497363.09	3855877.25	5.90E-05	7.22E-05	6.33E-05	2.04E-08	6.17E-08	3.57E-08	4.37E-08	3.96E-08	1.81E-08	1.59E-08	0.00E+00	0.00E+00	6.57E-09	1.48E-09	9.42E-09	1.45E-09	1.23E-09	2.01E-08
4213	497863.09	3855877.25	6.11E-05	7.48E-05	6.56E-05	2.11E-08	6.38E-08	3.69E-08	4.52E-08	4.10E-08	1.87E-08	1.64E-08	0.00E+00	0.00E+00	6.80E-09	1.54E-09	9.75E-09	1.50E-09	1.27E-09	2.09E-08
4214	498363.09	3855877.25	6.80E-05	8.32E-05	7.30E-05	2.35E-08	7.10E-08	4.11E-08	5.04E-08	4.57E-08	2.08E-08	1.83E-08	0.00E+00	0.00E+00	7.57E-09	1.71E-09	1.08E-08	1.67E-09	1.41E-09	2.32E-08
4215	471363.09	3856377.25	1.77E-05	2.17E-05	1.90E-05	6.12E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.42E-09	4.75E-09	0.00E+00	0.00E+00	1.97E-09	4.45E-10	2.82E-09	4.35E-10	3.68E-10	6.04E-09
4216	471863.09	3856377.25	1.86E-05	2.27E-05	1.99E-05	6.42E-09	1.94E-08	1.12E-08	1.38E-08	1.25E-08	5.69E-09	4.98E-09	0.00E+00	0.00E+00	2.07E-09	4.67E-10	2.96E-09	4.57E-10	3.86E-10	6.34E-09
4217	472363.09	3856377.25	2.00E-05	2.44E-05	2.14E-05	6.91E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.12E-09	5.36E-09	0.00E+00	0.00E+00	2.22E-09	5.02E-10	3.19E-09	4.91E-10	4.15E-10	6.81E-09
4218	472863.09	3856377.25	2.17E-05	2.65E-05	2.33E-05	7.50E-09	2.26E-08	1.31E-08	1.61E-08	1.46E-08	6.64E-09	5.82E-09	0.00E+00	0.00E+00	2.41E-09	5.45E-10	3.46E-09	5.33E-10	4.51E-10	7.40E-09
4219	473363.09	3856377.25	2.33E-05	2.85E-05	2.50E-05	8.06E-09	2.43E-08	1.41E-08	1.73E-08	1.56E-08	7.14E-09	6.26E-09	0.00E+00	0.00E+00	2.59E-09	5.86E-10	3.72E-09	5.73E-10	4.84E-10	7.95E-09
4220	473863.09	3856377.25	2.58E-05	3.16E-05	2.77E-05	8.92E-09	2.69E-08	1.56E-08	1.91E-08	1.73E-08	7.90E-09	6.93E-09	0.00E+00	0.00E+00	2.87E-09	6.48E-10	4.12E-09	6.35E-10	5.36E-10	8.80E-09
4221	474363.09	3856377.25	2.63E-05	3.22E-05	2.82E-05	9.10E-09	2.75E-08	1.59E-08	1.95E-08	1.77E-08	8.06E-09	7.07E-09	0.00E+00	0.00E+00	2.93E-09	6.62E-10	4.20E-09	6.47E-10	5.47E-10	8.98E-09
4222	474863.09	3856377.25	2.59E-05	3.17E-05	2.78E-05	8.95E-09	2.70E-08	1.57E-08	1.92E-08	1.74E-08	7.93E-09	6.95E-09	0.00E+00	0.00E+00	2.88E-09	6.51E-10	4.13E-09	6.37E-10	5.38E-10	8.83E-09
4223	475363.09	3856377.25	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.46E-08	6.68E-09	5.86E-09	0.00E+00	0.00E+00	2.43E-09	5.48E-10	3.48E-09	5.37E-10	4.54E-10	7.45E-09
4224	475863.09	3856377.25	1.51E-05	1.85E-05	1.62E-05	5.22E-09	1.58E-08	9.13E-09	1.12E-08	1.01E-08	4.63E-09	4.06E-09	0.00E+00	0.00E+00	1.68E-09	3.80E-10	2.41E-09	3.71E-10	3.14E-10	5.15E-09
4225	476363.09	3856377.25	1.42E-05	1.74E-05	1.52E-05	4.91E-09	1.48E-08	8.58E-09	1.05E-08	9.53E-09	4.35E-09	3.81E-09	0.00E+00	0.00E+00	1.58E-09	3.57E-10	2.26E-09	3.49E-10	2.95E-10	4.84E-09
4226	476863.09	3856377.25	1.46E-05	1.79E-05	1.57E-05	5.06E-09	1.53E-08	8.85E-09	1.08E-08	9.83E-09	4.48E-09	3.93E-09	0.00E+00	0.00E+00	1.63E-09	3.68E-10	2.34E-09	3.60E-10	3.05E-10	5.00E-09
4227	477363.09	3856377.25	1.59E-05	1.95E-05	1.71E-05	5.51E-09	1.66E-08	9.64E-09	1.18E-08	1.07E-08	4.88E-09	4.28E-09	0.00E+00	0.00E+00	1.77E-09	4.01E-10	2.54E-09	3.92E-10	3.32E-10	5.44E-09

4228	477863.09	3856377.25	1.28E-05	1.57E-05	1.38E-05	4.45E-09	1.34E-08	7.77E-09	9.52E-09	8.63E-09	3.94E-09	3.45E-09	0.00E+00	0.00E+00	1.43E-09	3.23E-10	2.05E-09	3.16E-10	2.67E-10	4.39E-09
4229	478363.09	3856377.25	1.16E-05	1.42E-05	1.25E-05	4.01E-09	1.21E-08	7.02E-09	8.60E-09	7.79E-09	3.56E-09	3.12E-09	0.00E+00	0.00E+00	1.29E-09	2.92E-10	1.85E-09	2.85E-10	2.41E-10	3.96E-09
4230	478863.09	3856377.25	2.43E-05	2.98E-05	2.61E-05	8.41E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.45E-09	6.53E-09	0.00E+00	0.00E+00	2.70E-09	6.11E-10	3.88E-09	5.98E-10	5.06E-10	8.30E-09
4231	479363.09	3856377.25	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.98E-09	0.00E+00	0.00E+00	3.72E-09	8.40E-10	5.33E-09	8.22E-10	6.95E-10	1.14E-08
4232	479863.09	3856377.25	5.96E-05	7.31E-05	6.41E-05	2.06E-08	6.23E-08	3.61E-08	4.42E-08	4.01E-08	1.83E-08	1.60E-08	0.00E+00	0.00E+00	6.64E-09	1.50E-09	9.52E-09	1.47E-09	1.24E-09	2.04E-08
4233	480363.09	3856377.25	9.08E-05	1.11E-04	9.74E-05	3.14E-08	9.49E-08	5.49E-08	6.73E-08	6.10E-08	2.78E-08	2.44E-08	0.00E+00	0.00E+00	1.01E-08	2.28E-09	1.45E-08	2.23E-09	1.89E-09	3.10E-08
4234	480863.09	3856377.25	1.20E-04	1.46E-04	1.28E-04	4.14E-08	1.25E-07	7.23E-08	8.86E-08	8.03E-08	3.66E-08	3.21E-08	0.00E+00	0.00E+00	1.33E-08	3.01E-09	1.91E-08	2.94E-09	2.49E-09	4.08E-08
4235	481363.09	3856377.25	1.52E-04	1.87E-04	1.63E-04	5.27E-08	1.59E-07	9.22E-08	1.13E-07	1.02E-07	4.67E-08	4.09E-08	0.00E+00	0.00E+00	1.70E-08	3.83E-09	2.43E-08	3.75E-09	3.17E-09	5.20E-08
4236	481863.09	3856377.25	1.82E-04	2.23E-04	1.95E-04	6.29E-08	1.90E-07	1.10E-07	1.35E-07	1.22E-07	5.57E-08	4.88E-08	0.00E+00	0.00E+00	2.02E-08	4.57E-09	2.90E-08	4.47E-09	3.78E-09	6.21E-08
4237	482363.09	3856377.25	2.04E-04	2.50E-04	2.19E-04	7.07E-08	2.13E-07	1.24E-07	1.51E-07	1.37E-07	6.26E-08	5.49E-08	0.00E+00	0.00E+00	2.27E-08	5.14E-09	3.26E-08	5.03E-09	4.25E-09	6.97E-08
4238	482863.09	3856377.25	2.49E-04	3.06E-04	2.68E-04	8.64E-08	2.61E-07	1.51E-07	1.85E-07	1.68E-07	7.65E-08	6.71E-08	0.00E+00	0.00E+00	2.78E-08	6.28E-09	3.98E-08	6.14E-09	5.19E-09	8.52E-08
4239	483363.09	3856377.25	3.12E-04	3.82E-04	3.35E-04	1.08E-07	3.26E-07	1.89E-07	2.31E-07	2.09E-07	9.56E-08	8.38E-08	0.00E+00	0.00E+00	3.47E-08	7.84E-09	4.98E-08	7.68E-09	6.49E-09	1.06E-07
4240	483863.09	3856377.25	4.01E-04	4.91E-04	4.31E-04	1.39E-07	4.19E-07	2.42E-07	2.97E-07	2.69E-07	1.23E-07	1.08E-07	0.00E+00	0.00E+00	4.46E-08	1.01E-08	6.39E-08	9.86E-09	8.34E-09	1.37E-07
4241	484363.09	3856377.25	5.25E-04	6.42E-04	5.64E-04	1.82E-07	5.48E-07	3.17E-07	3.89E-07	3.52E-07	1.61E-07	1.41E-07	0.00E+00	0.00E+00	5.84E-08	1.32E-08	8.37E-08	1.29E-08	1.09E-08	1.79E-07
4242	484863.09	3856377.25	7.54E-04	9.23E-04	8.12E-04	2.61E-07	7.88E-07	4.56E-07	5.59E-07	5.06E-07	2.31E-07	2.03E-07	0.00E+00	0.00E+00	8.39E-08	1.90E-08	1.20E-07	1.86E-08	1.57E-08	2.57E-07
4243	485363.09	3856377.25	1.38E-03	1.69E-03	1.49E-03	4.79E-07	1.45E-06	8.37E-07	1.03E-06	9.29E-07	4.24E-07	3.73E-07	0.00E+00	0.00E+00	1.54E-07	3.48E-08	2.21E-07	3.41E-08	2.89E-08	4.73E-07
4244	485863.09	3856377.25	5.25E-03	6.43E-03	5.67E-03	1.82E-06	5.49E-06	3.18E-06	3.89E-06	3.53E-06	1.61E-06	1.42E-06	0.00E+00	0.00E+00	5.85E-07	1.32E-07	8.38E-07	1.29E-07	1.10E-07	1.79E-06
4245	486363.09	3856377.25	6.64E-03	8.14E-03	7.17E-03	2.30E-06	6.94E-06	4.02E-06	4.92E-06	4.46E-06	2.04E-06	1.80E-06	0.00E+00	0.00E+00	7.40E-07	1.67E-07	1.06E-06	1.64E-07	1.39E-07	2.27E-06
4246	486863.09	3856377.25	3.07E-03	3.77E-03	3.32E-03	1.06E-06	3.21E-06	1.86E-06	2.28E-06	2.07E-06	9.43E-07	8.30E-07	0.00E+00	0.00E+00	3.42E-07	7.73E-08	4.91E-07	7.57E-08	6.43E-08	1.05E-06
4247	487363.09	3856377.25	2.04E-03	2.50E-03	2.20E-03	7.07E-07	2.14E-06	1.24E-06	1.51E-06	1.37E-06	6.26E-07	5.52E-07	0.00E+00	0.00E+00	2.27E-07	5.14E-08	3.26E-07	5.03E-08	4.27E-08	6.98E-07
4248	487863.09	3856377.25	1.54E-03	1.88E-03	1.65E-03	5.31E-07	1.60E-06	9.29E-07	1.14E-06	1.03E-06	4.71E-07	4.14E-07	0.00E+00	0.00E+00	1.71E-07	3.86E-08	2.45E-07	3.78E-08	3.21E-08	5.24E-07
4249	488363.09	3856377.25	1.22E-03	1.49E-03	1.31E-03	4.21E-07	1.27E-06	7.36E-07	9.02E-07	8.18E-07	3.73E-07	3.28E-07	0.00E+00	0.00E+00	1.35E-07	3.06E-08	1.94E-07	3.00E-08	2.54E-08	4.16E-07
4250	488863.09	3856377.25	1.00E-03	1.22E-03	1.08E-03	3.46E-07	1.04E-06	6.05E-07	7.41E-07	6.72E-07	3.06E-07	2.69E-07	0.00E+00	0.00E+00	1.11E-07	2.51E-08	1.60E-07	2.46E-08	2.08E-08	3.41E-07
4251	489363.09	3856377.25	8.42E-04	1.03E-03	9.05E-04	2.91E-07	8.80E-07	5.09E-07	6.24E-07	5.66E-07	2.58E-07	2.26E-07	0.00E+00	0.00E+00	9.37E-08	2.12E-08	1.34E-07	2.07E-08	1.75E-08	2.88E-07
4252	489863.09	3856377.25	7.22E-04	8.85E-04	7.76E-04	2.50E-07	7.55E-07	4.37E-07	5.35E-07	4.85E-07	2.21E-07	1.94E-07	0.00E+00	0.00E+00	8.04E-08	1.82E-08	1.15E-07	1.78E-08	1.50E-08	2.47E-07
4253	490363.09	3856377.25	6.27E-04	7.68E-04	6.73E-04	2.17E-07	6.56E-07	3.79E-07	4.65E-07	4.21E-07	1.92E-07	1.69E-07	0.00E+00	0.00E+00	6.98E-08	1.58E-08	1.00E-07	1.54E-08	1.30E-08	2.14E-07
4254	490863.09	3856377.25	5.51E-04	6.74E-04	5.91E-04	1.91E-07	5.75E-07	3.33E-07	4.08E-07	3.70E-07	1.69E-07	1.48E-07	0.00E+00	0.00E+00	6.13E-08	1.38E-08	8.79E-08	1.36E-08	1.15E-08	1.88E-07
4255	491363.09	3856377.25	4.87E-04	5.97E-04	5.23E-04	1.69E-07	5.09E-07	2.95E-07	3.61E-07	3.27E-07	1.49E-07	1.31E-07	0.00E+00	0.00E+00	5.42E-08	1.23E-08	7.78E-08	1.20E-08	1.01E-08	1.66E-07
4256	491863.09	3856377.25	4.33E-04	5.30E-04	4.64E-04	1.50E-07	4.52E-07	2.62E-07	3.21E-07	2.91E-07	1.33E-07	1.16E-07	0.00E+00	0.00E+00	4.82E-08	1.09E-08	6.91E-08	1.07E-08	9.00E-09	1.48E-07
4257	492363.09	3856377.25	3.81E-04	4.66E-04	4.09E-04	1.32E-07	3.98E-07	2.30E-07	2.82E-07	2.56E-07	1.17E-07	1.02E-07	0.00E+00	0.00E+00	4.24E-08	9.58E-09	6.08E-08	9.37E-09	7.92E-09	1.30E-07
4258	492863.09	3856377.25	3.14E-04	3.85E-04	3.37E-04	1.09E-07	3.28E-07	1.90E-07	2.33E-07	2.11E-07	9.63E-08	8.44E-08	0.00E+00	0.00E+00	3.50E-08	7.90E-09	5.01E-08	7.73E-09	6.53E-09	1.07E-07
4259	493363.09	3856377.25	2.03E-04	2.48E-04	2.18E-04	7.02E-08	2.12E-07	1.23E-07	1.50E-07	1.36E-07	6.22E-08	5.45E-08	0.00E+00	0.00E+00	2.26E-08	5.10E-09	3.24E-08	4.99E-09	4.22E-09	6.93E-08
4260	493863.09	3856377.25	1.53E-04	1.87E-04	1.64E-04	5.29E-08	1.60E-07	9.25E-08	1.13E-07	1.03E-07	4.69E-08	4.11E-08	0.00E+00	0.00E+00	1.70E-08	3.85E-09	2.44E-08	3.76E-09	3.18E-09	5.22E-08
4261	494363.09	3856377.25	1.08E-04	1.32E-04	1.16E-04	3.74E-08	1.13E-07	6.54E-08	8.01E-08	7.26E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.72E-08	2.66E-09	2.25E-09	3.69E-08
4262	494863.09	3856377.25	7.92E-05	9.70E-05	8.50E-05	2.74E-08	8.28E-08	4.79E-08	5.87E-08	5.32E-08	2.43E-08	2.13E-08	0.00E+00	0.00E+00	8.82E-09	1.99E-09	1.26E-08	1.95E-09	1.65E-09	2.70E-08
4263	495363.09	3856377.25	6.31E-05	7.73E-05	6.78E-05	2.18E-08	6.60E-08	3.82E-08	4.68E-08	4.24E-08	1.93E-08	1.70E-08	0.00E+00	0.00E+00	7.03E-09	1.59E-09	1.01E-08	1.55E-09	1.31E-09	2.16E-08
4264	495863.09	3856377.25	5.90E-05	7.22E-05	6.33E-05	2.04E-08	6.16E-08	3.57E-08	4.37E-08	3.96E-08	1.81E-08	1.58E-08	0.00E+00	0.00E+00	6.56E-09	1.48E-09	9.41E-09	1.45E-09	1.23E-09	2.01E-08
4265	496363.09	3856377.25	5.77E-05	7.07E-05	6.20E-05	2.00E-08	6.03E-08	3.49E-08	4.28E-08	3.88E-08	1.77E-08	1.55E-08	0.00E+00	0.00E+00	6.42E-09	1.45E-09	9.21E-09	1.42E-09	1.20E-09	1.97E-08
4266	496863.09	3856377.25	6.06E-05	7.42E-05	6.51E-05	2.10E-08	6.33E-08	3.67E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	0.00E+00	0.00E+00	6.75E-09	1.52E-09	9.67E-09	1.49E-09	1.26E-09	2.07E-08
4267	497363.09	3856377.25	6.29E-05	7.70E-05	6.75E-05	2.18E-08	6.57E-08	3.81E-08	4.66E-08	4.23E-08	1.93E-08	1.69E-08	0.00E+00	0.00E+00	7.00E-09	1.58E-09	1.00E-08	1.55E-09	1.31E-09	2.15E-08
4268	497863.09	3856377.25	6.77E-05	8.29E-05	7.27E-05	2.34E-08	7.07E-08	4.10E-08	5.02E-08	4.55E-08	2.07E-08	1.82E-08	0.00E+00	0.00E+00	7.53E-09	1.70E-09	1.08E-08	1.67E-09	1.41E-09	2.31E-08
4269	498363.09	3856377.25	7.43E-05	9.10E-05	7.98E-05	2.57E-08	7.77E-08	4.50E-08	5.51E-08	4.99E-08	2.28E-08	2.00E-08	0.00E+00	0.00E+00	8.27E-09	1.87E-09	1.19E-08	1.83E-09	1.55E-09	2.54E-08
4270	471363.09	3856877.25	1.81E-05	2.22E-05	1.94E-05	6.27E-09	1.89E-08	1.10E-08	1.34E-08	1.22E-08	5.55E-09	4.87E-09	0.00E+00	0.00E+00	2.02E-09	4.56E-10	2.89E-09	4.46E-10	3.77E-10	6.19E-09
4271	471863.09	3856877.25	1.88E-05	2.30E-05	2.02E-05	6.51E-09	1.97E-08	1.14E-08	1.39E-08	1.26E-08	5.77E-09	5.06E-09	0.00E+00	0.00E+00	2.09E-09	4.73E-10	3.00E-09	4.63E-10	3.91E-10	6.43E-09
4272	472363.09	3856877.25	2.01E-05	2.47E-05	2.16E-05	6.97E-09	2.11E-08	1.22E-08	1.49E-08	1.35E-08	6.18E-09	5.41E-09	0.00E+00	0.00E+00	2.24E-09	5.07E-10	3.22E-09	4.96E-10	4.19E-10	6.88E-09
4273	472863.09	3856877.25	2.16E-05	2.64E-05	2.32E-05	7.47E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.62E-09	5.80E-09	0.00E+00	0.00E+00	2.40E-09	5.43E-10	3.44E-09	5.31E-10	4.49E-10	7.37E-09
4274	473363.09	3856877.25	2.39E-05	2.93E-05	2.57E-05	8.28E-09	2.50E-08	1.45E-08	1.77E-08	1.61E-08	7.33E-09	6.43E-09	0.00E+00	0.00E+00	2.66E-09	6.02E-10	3.82E-09	5.89E-10	4.98E-10	8.17E-09
4275	473863.09	3856877.25	2.56E-05	3.14E-05	2.75E-05	8.88E-09	2.68E-08	1.55E-08	1.90E-08	1.72E-08	7.86E-09	6.89E-09	0.00E+00	0.00E+00	2.85E-09	6.45E-10	4.09E-09	6.31E-10	5.34E-10	8.76E-09
4276	474363.09	3856877.25	2.59E-05	3.18E-05	2.78E-05	8.97E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	0.00E+00	0.00E+00	2.89E-09	6.52E-10	4.14E-09	6.38E-10	5.39E-10	8.85E-09
4277	474863.09	3856877.25	2.52E-05	3.09E-05	2.71E-05	8.73E-09	2.64E-08	1.53E-08	1.87E-08	1.69E-08	7.73E-09	6.78E-09	0.00E+00	0.00E+00	2.81E-09	6.35E-10	4.03E-09	6.21E-10	5.25E-10	8.62E-09
4278	475363.09	3856877.25	2.23E-05	2.74E-05	2.40E-05	7.73E-09	2.34E-08	1.35E-08	1.66E-08	1.50E-08	6.85E-09	6.00E-09	0.00E+00	0.00E+00	2.49E-09	5.62E-10	3.57E-09	5.50E-10	4.65E-10	7.63E-09
4279	475863.09	3856877.25	2.27E-05	2.79E-05	2.44E-05	7.87E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.97E-09	6.11E-09	0.00E+00	0.00E+00	2.53E-09	5.72E-10	3.63E-09	5.60E-10	4.73E-10	7.77E-09
4280	476363.09	3856877.25	2.01E-05	2.46E-05	2.15E-05	6.94E-09	2.10E-08	1.21E-08	1.49E-08	1.35E-08	6.15E-09	5.39E-09	0.00E+00	0.00E+00	2.23E-09	5.05E-10	3.20E-09	4.94E-10	4.18E-10	6.85E-09
4281	476863.09	3856877.25	1.95E-05	2.39E-05	2.10E-05	6.76E-09	2.04E-08	1.18E-08	1.45E-08	1.31E-08	5.99E-09	5.25E-09	0.00E+00	0.00E+00	2.17E-09	4.91E-10	3.12E-09	4.81E-10	4.06E-10	6.67E-09
4282	477363.09	3856877.25	1.74E-05	2.13E-05	1.86E-05	6.01E-09	1.82E-08	1.05E-08	1.29E-08	1.17E-08	5.32E-09	4.67E-09	0.00E+00	0.00E+00	1.93E-09	4.37E-10	2.77E-09	4.28E-10	3.61E-10	5.93E-09
4283	477863.09	3856877.25	1.17E-05	1.44E-05	1.26E-05	4.06E-09	1.23E-08	7.09E-09	8.69E-09	7.88E-09	3.59E-09	3.15E-09	0.00E+00	0.00E+00	1.30E-09	2.95E-10	1.87E-09	2.89E-10	2.44E-10	4.00E-09
4284	478363.09	3856877.25	1.04E-05	1.28E-05	1.12E-05	3.61E-09	1.09E-08	6.31E-09	7.73E-09	7.01E-09	3.20E-09	2.80E-09	0.00E+00	0.00E+00	1.16E-09	2.62E-10	1.67E-09	2.57E-10	2.17E-10	3.56E-09
4285	478863.09	3856877.25	1.36E-05	1.67E-05	1.47E-05	4.72E-09	1.43E-08	8.25E-09	1.01E-08	9.17E-09	4.18E-09	3.67E-09	0.00E+00	0.00E+00	1.52E-09	3.43E-10	2.18E-09	3.36E-10	2.84E-10	4.66E-09

4286	479363.09	3856877.25	1.90E-05	2.33E-05	2.04E-05	6.58E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.83E-09	5.11E-09	0.00E+00	0.00E+00	2.12E-09	4.78E-10	3.04E-09	4.68E-10	3.96E-10	6.49E-09
4287	479863.09	3856877.25	5.44E-05	6.67E-05	5.85E-05	1.88E-08	5.69E-08	3.29E-08	4.04E-08	3.66E-08	1.67E-08	1.46E-08	0.00E+00	0.00E+00	6.06E-09	1.37E-09	8.69E-09	1.34E-09	1.13E-09	1.86E-08
4288	480363.09	3856877.25	8.81E-05	1.08E-04	9.46E-05	3.05E-08	9.21E-08	5.33E-08	6.53E-08	5.92E-08	2.70E-08	2.37E-08	0.00E+00	0.00E+00	9.81E-09	2.22E-09	1.41E-08	2.17E-09	1.83E-09	3.01E-08
4289	480863.09	3856877.25	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.21E-07	7.03E-08	8.61E-08	7.80E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.86E-09	2.42E-09	3.97E-08
4290	481363.09	3856877.25	1.40E-04	1.72E-04	1.51E-04	4.86E-08	1.47E-07	8.49E-08	1.04E-07	9.43E-08	4.30E-08	3.77E-08	0.00E+00	0.00E+00	1.56E-08	3.53E-09	2.24E-08	3.46E-09	2.92E-09	4.79E-08
4291	481863.09	3856877.25	1.65E-04	2.02E-04	1.77E-04	5.70E-08	1.72E-07	9.96E-08	1.22E-07	1.11E-07	5.04E-08	4.42E-08	0.00E+00	0.00E+00	1.83E-08	4.14E-09	2.63E-08	4.05E-09	3.43E-09	5.62E-08
4292	482363.09	3856877.25	1.83E-04	2.25E-04	1.97E-04	6.35E-08	1.92E-07	1.11E-07	1.36E-07	1.23E-07	5.62E-08	4.93E-08	0.00E+00	0.00E+00	2.04E-08	4.61E-09	2.93E-08	4.51E-09	3.82E-09	6.26E-08
4293	482863.09	3856877.25	2.15E-04	2.64E-04	2.31E-04	7.46E-08	2.25E-07	1.30E-07	1.60E-07	1.45E-07	6.60E-08	5.79E-08	0.00E+00	0.00E+00	2.40E-08	5.42E-09	3.44E-08	5.30E-09	4.48E-09	7.36E-08
4294	483363.09	3856877.25	2.59E-04	3.18E-04	2.79E-04	8.98E-08	2.71E-07	1.57E-07	1.92E-07	1.74E-07	7.95E-08	6.98E-08	0.00E+00	0.00E+00	2.89E-08	6.53E-09	4.14E-08	6.39E-09	5.40E-09	8.86E-08
4295	483863.09	3856877.25	3.18E-04	3.89E-04	3.41E-04	1.10E-07	3.32E-07	1.92E-07	2.35E-07	2.13E-07	9.74E-08	8.55E-08	0.00E+00	0.00E+00	3.54E-08	7.99E-09	5.07E-08	7.82E-09	6.62E-09	1.08E-07
4296	484363.09	3856877.25	3.96E-04	4.84E-04	4.26E-04	1.37E-07	4.13E-07	2.39E-07	2.93E-07	2.66E-07	1.21E-07	1.06E-07	0.00E+00	0.00E+00	4.40E-08	9.95E-09	6.31E-08	9.74E-09	8.25E-09	1.35E-07
4297	484863.09	3856877.25	5.05E-04	6.19E-04	5.44E-04	1.75E-07	5.28E-07	3.06E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	0.00E+00	0.00E+00	5.63E-08	1.27E-08	8.07E-08	1.24E-08	1.05E-08	1.73E-07
4298	485363.09	3856877.25	7.14E-04	8.74E-04	7.68E-04	2.47E-07	7.46E-07	4.32E-07	5.29E-07	4.79E-07	2.19E-07	1.92E-07	0.00E+00	0.00E+00	7.95E-08	1.80E-08	1.14E-07	1.76E-08	1.49E-08	2.44E-07
4299	485863.09	3856877.25	1.19E-03	1.45E-03	1.28E-03	4.11E-07	1.24E-06	7.18E-07	8.79E-07	7.97E-07	3.64E-07	3.20E-07	0.00E+00	0.00E+00	1.32E-07	2.98E-08	1.89E-07	2.92E-08	2.48E-08	4.05E-07
4300	486363.09	3856877.25	5.40E-03	6.62E-03	5.83E-03	1.87E-06	5.65E-06	3.27E-06	4.00E-06	3.63E-06	1.66E-06	1.46E-06	0.00E+00	0.00E+00	6.01E-07	1.36E-07	8.63E-07	1.33E-07	1.13E-07	1.85E-06
4301	486863.09	3856877.25	8.01E-03	9.80E-03	8.64E-03	2.77E-06	8.37E-06	4.84E-06	5.93E-06	5.38E-06	2.45E-06	2.16E-06	0.00E+00	0.00E+00	8.91E-07	2.01E-07	1.28E-06	1.97E-07	1.67E-07	2.73E-06
4302	487363.09	3856877.25	3.21E-03	3.93E-03	3.45E-03	1.11E-06	3.35E-06	1.94E-06	2.38E-06	2.15E-06	9.83E-07	8.64E-07	0.00E+00	0.00E+00	3.57E-07	8.07E-08	5.12E-07	7.89E-08	6.69E-08	1.10E-06
4303	487863.09	3856877.25	1.95E-03	2.39E-03	2.09E-03	6.75E-07	2.04E-06	1.18E-06	1.44E-06	1.31E-06	5.98E-07	5.24E-07	0.00E+00	0.00E+00	2.17E-07	4.90E-08	3.11E-07	4.80E-08	4.06E-08	6.66E-07
4304	488363.09	3856877.25	1.43E-03	1.75E-03	1.53E-03	4.94E-07	1.49E-06	8.64E-07	1.06E-06	9.59E-07	4.38E-07	3.83E-07	0.00E+00	0.00E+00	1.59E-07	3.59E-08	2.28E-07	3.52E-08	2.97E-08	4.88E-07
4305	488863.09	3856877.25	1.13E-03	1.38E-03	1.21E-03	3.90E-07	1.18E-06	6.81E-07	8.34E-07	7.56E-07	3.45E-07	3.02E-07	0.00E+00	0.00E+00	1.25E-07	2.83E-08	1.80E-07	2.77E-08	2.34E-08	3.84E-07
4306	489363.09	3856877.25	9.20E-04	1.13E-03	9.85E-04	3.18E-07	9.62E-07	5.57E-07	6.82E-07	6.18E-07	2.82E-07	2.47E-07	0.00E+00	0.00E+00	1.02E-07	2.31E-08	1.47E-07	2.26E-08	1.91E-08	3.14E-07
4307	489863.09	3856877.25	7.72E-04	9.45E-04	8.27E-04	2.67E-07	8.07E-07	4.67E-07	5.72E-07	5.18E-07	2.37E-07	2.07E-07	0.00E+00	0.00E+00	8.59E-08	1.94E-08	1.23E-07	1.90E-08	1.60E-08	2.63E-07
4308	490363.09	3856877.25	6.59E-04	8.07E-04	7.06E-04	2.28E-07	6.89E-07	3.99E-07	4.88E-07	4.43E-07	2.02E-07	1.77E-07	0.00E+00	0.00E+00	7.34E-08	1.66E-08	1.05E-07	1.62E-08	1.37E-08	2.25E-07
4309	490863.09	3856877.25	5.70E-04	6.98E-04	6.11E-04	1.97E-07	5.96E-07	3.45E-07	4.22E-07	3.83E-07	1.75E-07	1.53E-07	0.00E+00	0.00E+00	6.34E-08	1.43E-08	9.09E-08	1.40E-08	1.18E-08	1.95E-07
4310	491363.09	3856877.25	4.99E-04	6.11E-04	5.35E-04	1.73E-07	5.22E-07	3.02E-07	3.70E-07	3.35E-07	1.53E-07	1.34E-07	0.00E+00	0.00E+00	5.56E-08	1.26E-08	7.97E-08	1.23E-08	1.04E-08	1.70E-07
4311	491863.09	3856877.25	4.40E-04	5.39E-04	4.72E-04	1.52E-07	4.60E-07	2.66E-07	3.26E-07	2.96E-07	1.35E-07	1.18E-07	0.00E+00	0.00E+00	4.90E-08	1.11E-08	7.03E-08	1.08E-08	9.15E-09	1.50E-07
4312	492363.09	3856877.25	3.64E-04	4.45E-04	3.90E-04	1.26E-07	3.80E-07	2.20E-07	2.69E-07	2.44E-07	1.11E-07	9.76E-08	0.00E+00	0.00E+00	4.05E-08	9.15E-09	5.80E-08	8.95E-09	7.56E-09	1.24E-07
4313	492863.09	3856877.25	2.86E-04	3.50E-04	3.06E-04	9.89E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.76E-08	7.67E-08	0.00E+00	0.00E+00	3.18E-08	7.19E-09	4.56E-08	7.03E-09	5.94E-09	9.75E-08
4314	493363.09	3856877.25	2.04E-04	2.50E-04	2.19E-04	7.07E-08	2.14E-07	1.24E-07	1.51E-07	1.37E-07	6.26E-08	5.49E-08	0.00E+00	0.00E+00	2.27E-08	5.14E-09	3.26E-08	5.03E-09	4.25E-09	6.98E-08
4315	493863.09	3856877.25	1.35E-04	1.65E-04	1.45E-04	4.68E-08	1.41E-07	8.17E-08	1.00E-07	9.08E-08	4.14E-08	3.63E-08	0.00E+00	0.00E+00	1.50E-08	3.40E-09	2.16E-08	3.33E-09	2.81E-09	4.61E-08
4316	494363.09	3856877.25	9.39E-05	1.15E-04	1.01E-04	3.25E-08	9.81E-08	5.68E-08	6.96E-08	6.31E-08	2.88E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.50E-08	2.31E-09	1.95E-09	3.21E-08
4317	494863.09	3856877.25	7.69E-05	9.42E-05	8.26E-05	2.66E-08	8.04E-08	4.66E-08	5.70E-08	5.17E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.57E-09	1.94E-09	1.23E-08	1.89E-09	1.60E-09	2.63E-08
4318	495363.09	3856877.25	6.76E-05	8.28E-05	7.26E-05	2.34E-08	7.07E-08	4.09E-08	5.01E-08	4.54E-08	2.07E-08	1.82E-08	0.00E+00	0.00E+00	7.53E-09	1.70E-09	1.08E-08	1.66E-09	1.41E-09	2.31E-08
4319	495863.09	3856877.25	6.45E-05	7.90E-05	6.92E-05	2.23E-08	6.74E-08	3.90E-08	4.78E-08	4.33E-08	1.98E-08	1.73E-08	0.00E+00	0.00E+00	7.18E-09	1.62E-09	1.03E-08	1.59E-09	1.34E-09	2.20E-08
4320	496363.09	3856877.25	6.26E-05	7.67E-05	6.72E-05	2.17E-08	6.55E-08	3.79E-08	4.64E-08	4.21E-08	1.92E-08	1.68E-08	0.00E+00	0.00E+00	6.97E-09	1.58E-09	1.00E-08	1.54E-09	1.30E-09	2.14E-08
4321	496863.09	3856877.25	6.32E-05	7.75E-05	6.79E-05	2.19E-08	6.61E-08	3.83E-08	4.69E-08	4.25E-08	1.94E-08	1.70E-08	0.00E+00	0.00E+00	7.04E-09	1.59E-09	1.01E-08	1.56E-09	1.32E-09	2.16E-08
4322	497363.09	3856877.25	6.61E-05	8.10E-05	7.10E-05	2.29E-08	6.91E-08	4.00E-08	4.90E-08	4.44E-08	2.03E-08	1.78E-08	0.00E+00	0.00E+00	7.36E-09	1.66E-09	1.06E-08	1.63E-09	1.38E-09	2.26E-08
4323	497863.09	3856877.25	7.41E-05	9.08E-05	7.95E-05	2.56E-08	7.74E-08	4.48E-08	5.49E-08	4.98E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.25E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.53E-08
4324	498363.09	3856877.25	8.38E-05	1.03E-04	9.00E-05	2.90E-08	8.76E-08	5.07E-08	6.21E-08	5.63E-08	2.57E-08	2.25E-08	0.00E+00	0.00E+00	9.33E-09	2.11E-09	1.34E-08	2.06E-09	1.74E-09	2.86E-08
4325	471363.09	3857377.25	1.84E-05	2.25E-05	1.98E-05	6.37E-09	1.92E-08	1.11E-08	1.36E-08	1.24E-08	5.64E-09	4.95E-09	0.00E+00	0.00E+00	2.05E-09	4.63E-10	2.94E-09	4.53E-10	3.83E-10	6.29E-09
4326	471863.09	3857377.25	1.91E-05	2.34E-05	2.05E-05	6.60E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.85E-09	5.13E-09	0.00E+00	0.00E+00	2.12E-09	4.80E-10	3.04E-09	4.70E-10	3.97E-10	6.51E-09
4327	472363.09	3857377.25	2.02E-05	2.48E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.43E-09	0.00E+00	0.00E+00	2.25E-09	5.09E-10	3.23E-09	4.98E-10	4.21E-10	6.90E-09
4328	472863.09	3857377.25	2.17E-05	2.65E-05	2.33E-05	7.50E-09	2.26E-08	1.31E-08	1.61E-08	1.46E-08	6.64E-09	5.82E-09	0.00E+00	0.00E+00	2.41E-09	5.45E-10	3.46E-09	5.33E-10	4.51E-10	7.40E-09
4329	473363.09	3857377.25	2.35E-05	2.88E-05	2.53E-05	8.15E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.22E-09	6.33E-09	0.00E+00	0.00E+00	2.62E-09	5.92E-10	3.76E-09	5.80E-10	4.90E-10	8.04E-09
4330	473863.09	3857377.25	2.58E-05	3.16E-05	2.77E-05	8.94E-09	2.70E-08	1.56E-08	1.91E-08	1.73E-08	7.91E-09	6.94E-09	0.00E+00	0.00E+00	2.87E-09	6.49E-10	4.12E-09	6.36E-10	5.37E-10	8.82E-09
4331	474363.09	3857377.25	2.55E-05	3.13E-05	2.74E-05	8.83E-09	2.67E-08	1.54E-08	1.89E-08	1.71E-08	7.82E-09	6.86E-09	0.00E+00	0.00E+00	2.84E-09	6.42E-10	4.07E-09	6.28E-10	5.31E-10	8.71E-09
4332	474863.09	3857377.25	2.09E-05	2.56E-05	2.24E-05	7.23E-09	2.18E-08	1.26E-08	1.55E-08	1.40E-08	6.40E-09	5.62E-09	0.00E+00	0.00E+00	2.33E-09	5.26E-10	3.33E-09	5.14E-10	4.35E-10	7.14E-09
4333	475363.09	3857377.25	1.47E-05	1.81E-05	1.58E-05	5.10E-09	1.54E-08	8.92E-09	1.09E-08	9.90E-09	4.52E-09	3.96E-09	0.00E+00	0.00E+00	1.64E-09	3.71E-10	2.35E-09	3.63E-10	3.07E-10	5.03E-09
4334	475863.09	3857377.25	1.38E-05	1.68E-05	1.48E-05	4.76E-09	1.44E-08	8.32E-09	1.02E-08	9.24E-09	4.22E-09	3.70E-09	0.00E+00	0.00E+00	1.53E-09	3.46E-10	2.20E-09	3.38E-10	2.86E-10	4.70E-09
4335	476363.09	3857377.25	1.86E-05	2.28E-05	2.00E-05	6.45E-09	1.95E-08	1.13E-08	1.38E-08	1.25E-08	5.71E-09	5.01E-09	0.00E+00	0.00E+00	2.07E-09	4.69E-10	2.98E-09	4.59E-10	3.88E-10	6.37E-09
4336	476863.09	3857377.25	2.03E-05	2.48E-05	2.18E-05	7.02E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.45E-09	0.00E+00	0.00E+00	2.26E-09	5.10E-10	3.24E-09	4.99E-10	4.22E-10	6.92E-09
4337	477363.09	3857377.25	1.77E-05	2.16E-05	1.90E-05	6.11E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.41E-09	4.75E-09	0.00E+00	0.00E+00	1.97E-09	4.44E-10	2.82E-09	4.35E-10	3.68E-10	6.03E-09
4338	477863.09	3857377.25	1.30E-05	1.59E-05	1.39E-05	4.49E-09	1.35E-08	7.84E-09	9.60E-09	8.71E-09	3.97E-09	3.48E-09	0.00E+00	0.00E+00	1.44E-09	3.26E-10	2.07E-09	3.19E-10	2.70E-10	4.43E-09
4339	478363.09	3857377.25	9.78E-06	1.20E-05	1.05E-05	3.39E-09	1.02E-08	5.92E-09	7.25E-09	6.57E-09	3.00E-09	2.63E-09	0.00E+00	0.00E+00	1.09E-09	2.46E-10	1.56E-09	2.41E-10	2.04E-10	3.34E-09
4340	478863.09	3857377.25	8.38E-06	1.03E-05	9.01E-06	2.90E-09	8.76E-09	5.07E-09	6.21E-09	5.63E-09	2.57E-09	2.25E-09	0.00E+00	0.00E+00	9.33E-10	2.11E-10	1.34E-09	2.06E-10	1.75E-10	2.86E-09
4341	479363.09	3857377.25	1.42E-05	1.74E-05	1.53E-05	4.93E-09	1.49E-08	8.61E-09	1.05E-08	9.56E-09	4.36E-09	3.82E-09	0.00E+00	0.00E+00	1.58E-09	3.58E-10	2.27E-09	3.50E-10	2.96E-10	4.86E-09
4342	479863.09	3857377.25	4.48E-05	5.49E-05	4.82E-05	1.55E-08	4.69E-08	2.71E-08	3.32E-08	3.01E-08	1.37E-08	1.21E-08	0.00E+00	0.00E+00	4.99E-09	1.13E-09	7.16E-09	1.10E-09	9.33E-10	1.53E-08
4343	480363.09	3857377.25	3.60E-05	4.41E-05	3.87E-05	1.25E-08	3.77E-08	2.18E-08	2.67E-08	2.42E-08	1.10E-08	9.69E-09	0.00E+00	0.00E+00	4.01E-09	9.07E-10	5.75E-09	8.87E-10	7.50E-10	1.23E-08

4344	480863.09	3857377.25	1.07E-04	1.31E-04	1.15E-04	3.71E-08	1.12E-07	6.49E-08	7.94E-08	7.20E-08	3.29E-08	2.88E-08	0.00E+00	0.00E+00	1.19E-08	2.70E-09	1.71E-08	2.64E-09	2.23E-09	3.66E-08
4345	481363.09	3857377.25	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.03E-08	8.19E-08	3.73E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.06E-09	1.94E-08	3.00E-09	2.54E-09	4.16E-08
4346	481863.09	3857377.25	1.47E-04	1.80E-04	1.58E-04	5.08E-08	1.53E-07	8.87E-08	1.09E-07	9.85E-08	4.50E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.05E-09	5.01E-08
4347	482363.09	3857377.25	1.67E-04	2.04E-04	1.79E-04	5.77E-08	1.74E-07	1.01E-07	1.23E-07	1.12E-07	5.11E-08	4.48E-08	0.00E+00	0.00E+00	1.85E-08	4.19E-09	2.66E-08	4.10E-09	3.47E-09	5.69E-08
4348	482863.09	3857377.25	1.87E-04	2.30E-04	2.01E-04	6.49E-08	1.96E-07	1.13E-07	1.39E-07	1.26E-07	5.74E-08	5.04E-08	0.00E+00	0.00E+00	2.09E-08	4.71E-09	2.99E-08	4.61E-09	3.90E-09	6.40E-08
4349	483363.09	3857377.25	2.17E-04	2.66E-04	2.33E-04	7.51E-08	2.27E-07	1.31E-07	1.61E-07	1.46E-07	6.65E-08	5.83E-08	0.00E+00	0.00E+00	2.41E-08	5.46E-09	3.46E-08	5.34E-09	4.52E-09	7.41E-08
4350	483863.09	3857377.25	2.57E-04	3.14E-04	2.76E-04	8.88E-08	2.68E-07	1.55E-07	1.90E-07	1.72E-07	7.87E-08	6.90E-08	0.00E+00	0.00E+00	2.86E-08	6.45E-09	4.10E-08	6.32E-09	5.35E-09	8.76E-08
4351	484363.09	3857377.25	3.04E-04	3.73E-04	3.27E-04	1.05E-07	3.18E-07	1.84E-07	2.25E-07	2.04E-07	9.33E-08	8.19E-08	0.00E+00	0.00E+00	3.39E-08	7.65E-09	4.86E-08	7.49E-09	6.34E-09	1.04E-07
4352	484863.09	3857377.25	3.70E-04	4.54E-04	3.98E-04	1.28E-07	3.87E-07	2.24E-07	2.74E-07	2.49E-07	1.14E-07	9.97E-08	0.00E+00	0.00E+00	4.12E-08	9.31E-09	5.91E-08	9.11E-09	7.72E-09	1.26E-07
4353	485363.09	3857377.25	4.65E-04	5.70E-04	5.00E-04	1.61E-07	4.86E-07	2.81E-07	3.45E-07	3.12E-07	1.43E-07	1.25E-07	0.00E+00	0.00E+00	5.18E-08	1.17E-08	7.42E-08	1.14E-08	9.69E-09	1.59E-07
4354	485863.09	3857377.25	6.22E-04	7.62E-04	6.69E-04	2.15E-07	6.51E-07	3.77E-07	4.61E-07	4.18E-07	1.91E-07	1.67E-07	0.00E+00	0.00E+00	6.93E-08	1.57E-08	9.93E-08	1.53E-08	1.30E-08	2.13E-07
4355	486363.09	3857377.25	1.02E-03	1.25E-03	1.10E-03	3.54E-07	1.07E-06	6.20E-07	7.59E-07	6.88E-07	3.14E-07	2.75E-07	0.00E+00	0.00E+00	1.14E-07	2.58E-08	1.63E-07	2.52E-08	2.13E-08	3.50E-07
4356	486863.09	3857377.25	3.32E-03	4.07E-03	3.55E-03	1.15E-06	3.47E-06	2.01E-06	2.46E-06	2.23E-06	1.02E-06	8.88E-07	0.00E+00	0.00E+00	3.70E-07	8.35E-08	5.30E-07	8.17E-08	6.88E-08	1.13E-06
4357	487363.09	3857377.25	6.20E-03	7.60E-03	6.46E-03	2.15E-06	6.48E-06	3.75E-06	4.60E-06	4.17E-06	1.90E-06	1.62E-06	0.00E+00	0.00E+00	6.90E-07	1.56E-07	9.90E-07	1.53E-07	1.25E-07	2.11E-06
4358	487863.09	3857377.25	2.42E-03	2.96E-03	2.56E-03	8.38E-07	2.53E-06	1.46E-06	1.79E-06	1.63E-06	7.42E-07	6.41E-07	0.00E+00	0.00E+00	2.69E-07	6.09E-08	3.86E-07	5.96E-08	4.96E-08	8.26E-07
4359	488363.09	3857377.25	1.58E-03	1.94E-03	1.68E-03	5.48E-07	1.65E-06	9.57E-07	1.17E-06	1.06E-06	4.85E-07	4.22E-07	0.00E+00	0.00E+00	1.76E-07	3.98E-08	2.52E-07	3.89E-08	3.26E-08	5.40E-07
4360	488863.09	3857377.25	1.17E-03	1.43E-03	1.25E-03	4.05E-07	1.22E-06	7.08E-07	8.67E-07	7.86E-07	3.58E-07	3.13E-07	0.00E+00	0.00E+00	1.30E-07	2.94E-08	1.87E-07	2.88E-08	2.42E-08	3.99E-07
4361	489363.09	3857377.25	9.23E-04	1.13E-03	9.87E-04	3.19E-07	9.64E-07	5.58E-07	6.84E-07	6.20E-07	2.83E-07	2.47E-07	0.00E+00	0.00E+00	1.03E-07	2.32E-08	1.47E-07	2.27E-08	1.91E-08	3.15E-07
4362	489863.09	3857377.25	7.60E-04	9.31E-04	8.14E-04	2.63E-07	7.94E-07	4.60E-07	5.63E-07	5.11E-07	2.33E-07	2.04E-07	0.00E+00	0.00E+00	8.46E-08	1.91E-08	1.21E-07	1.87E-08	1.58E-08	2.59E-07
4363	490363.09	3857377.25	6.41E-04	7.85E-04	6.86E-04	2.22E-07	6.70E-07	3.88E-07	4.75E-07	4.30E-07	1.96E-07	1.72E-07	0.00E+00	0.00E+00	7.13E-08	1.61E-08	1.02E-07	1.58E-08	1.33E-08	2.19E-07
4364	490863.09	3857377.25	5.51E-04	6.74E-04	5.90E-04	1.91E-07	5.76E-07	3.33E-07	4.08E-07	3.70E-07	1.69E-07	1.48E-07	0.00E+00	0.00E+00	6.13E-08	1.39E-08	8.79E-08	1.36E-08	1.14E-08	1.88E-07
4365	491363.09	3857377.25	4.80E-04	5.88E-04	5.14E-04	1.66E-07	5.01E-07	2.90E-07	3.56E-07	3.22E-07	1.47E-07	1.29E-07	0.00E+00	0.00E+00	5.34E-08	1.21E-08	7.66E-08	1.18E-08	9.97E-09	1.64E-07
4366	491863.09	3857377.25	4.20E-04	5.14E-04	4.50E-04	1.45E-07	4.39E-07	2.54E-07	3.11E-07	2.82E-07	1.29E-07	1.13E-07	0.00E+00	0.00E+00	4.67E-08	1.06E-08	6.70E-08	1.03E-08	8.72E-09	1.43E-07
4367	492363.09	3857377.25	3.27E-04	4.01E-04	3.51E-04	1.13E-07	3.42E-07	1.98E-07	2.43E-07	2.20E-07	1.00E-07	8.79E-08	0.00E+00	0.00E+00	3.64E-08	8.23E-09	5.23E-08	8.06E-09	6.80E-09	1.12E-07
4368	492863.09	3857377.25	2.27E-04	2.78E-04	2.43E-04	7.84E-08	2.37E-07	1.37E-07	1.68E-07	1.52E-07	6.95E-08	6.08E-08	0.00E+00	0.00E+00	2.52E-08	5.70E-09	3.62E-08	5.58E-09	4.71E-09	7.74E-08
4369	493363.09	3857377.25	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.15E-08	1.12E-07	1.02E-07	4.63E-08	4.06E-08	0.00E+00	0.00E+00	1.68E-08	3.80E-09	2.41E-08	3.72E-09	3.14E-09	5.16E-08
4370	493863.09	3857377.25	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.28E-07	7.38E-08	9.04E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.00E-09	2.54E-09	4.17E-08
4371	494363.09	3857377.25	9.70E-05	1.19E-04	1.04E-04	3.36E-08	1.01E-07	5.87E-08	7.19E-08	6.52E-08	2.97E-08	2.61E-08	0.00E+00	0.00E+00	1.08E-08	2.44E-09	1.55E-08	2.39E-09	2.02E-09	3.31E-08
4372	494863.09	3857377.25	8.52E-05	1.04E-04	9.14E-05	2.95E-08	8.90E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.48E-09	2.14E-09	1.36E-08	2.10E-09	1.77E-09	2.91E-08
4373	495363.09	3857377.25	7.61E-05	9.33E-05	8.17E-05	2.64E-08	7.96E-08	4.61E-08	5.64E-08	5.12E-08	2.33E-08	2.05E-08	0.00E+00	0.00E+00	8.48E-09	1.92E-09	1.22E-08	1.87E-09	1.58E-09	2.60E-08
4374	495863.09	3857377.25	7.27E-05	8.91E-05	7.81E-05	2.52E-08	7.60E-08	4.40E-08	5.39E-08	4.89E-08	2.23E-08	1.95E-08	0.00E+00	0.00E+00	8.10E-09	1.83E-09	1.16E-08	1.79E-09	1.51E-09	2.48E-08
4375	496363.09	3857377.25	7.08E-05	8.67E-05	7.60E-05	2.45E-08	7.40E-08	4.29E-08	5.25E-08	4.76E-08	2.17E-08	1.90E-08	0.00E+00	0.00E+00	7.88E-09	1.78E-09	1.13E-08	1.74E-09	1.47E-09	2.42E-08
4376	496863.09	3857377.25	7.01E-05	8.58E-05	7.52E-05	2.43E-08	7.32E-08	4.24E-08	5.19E-08	4.71E-08	2.15E-08	1.88E-08	0.00E+00	0.00E+00	7.80E-09	1.76E-09	1.12E-08	1.72E-09	1.46E-09	2.39E-08
4377	497363.09	3857377.25	7.29E-05	8.93E-05	7.83E-05	2.52E-08	7.62E-08	4.41E-08	5.40E-08	4.90E-08	2.23E-08	1.96E-08	0.00E+00	0.00E+00	8.12E-09	1.83E-09	1.16E-08	1.79E-09	1.52E-09	2.49E-08
4378	497863.09	3857377.25	7.86E-05	9.63E-05	8.44E-05	2.72E-08	8.22E-08	4.76E-08	5.83E-08	5.28E-08	2.41E-08	2.11E-08	0.00E+00	0.00E+00	8.75E-09	1.98E-09	1.26E-08	1.94E-09	1.64E-09	2.69E-08
4379	498363.09	3857377.25	9.51E-05	1.16E-04	1.02E-04	3.29E-08	9.94E-08	5.75E-08	7.05E-08	6.39E-08	2.92E-08	2.56E-08	0.00E+00	0.00E+00	1.06E-08	2.39E-09	1.52E-08	2.34E-09	1.98E-09	3.25E-08
4380	471363.09	3857877.25	1.84E-05	2.26E-05	1.98E-05	6.38E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.65E-09	4.96E-09	0.00E+00	0.00E+00	2.05E-09	4.64E-10	2.94E-09	4.54E-10	3.84E-10	6.30E-09
4381	471863.09	3857877.25	1.93E-05	2.36E-05	2.07E-05	6.67E-09	2.01E-08	1.17E-08	1.43E-08	1.29E-08	5.91E-09	5.18E-09	0.00E+00	0.00E+00	2.14E-09	4.85E-10	3.08E-09	4.74E-10	4.01E-10	6.58E-09
4382	472363.09	3857877.25	2.05E-05	2.51E-05	2.20E-05	7.08E-09	2.14E-08	1.24E-08	1.52E-08	1.37E-08	6.27E-09	5.50E-09	0.00E+00	0.00E+00	2.28E-09	5.15E-10	3.27E-09	5.04E-10	4.26E-10	6.99E-09
4383	472863.09	3857877.25	2.22E-05	2.72E-05	2.39E-05	7.70E-09	2.32E-08	1.35E-08	1.65E-08	1.49E-08	6.82E-09	5.98E-09	0.00E+00	0.00E+00	2.48E-09	5.59E-10	3.55E-09	5.47E-10	4.63E-10	7.59E-09
4384	473363.09	3857877.25	2.37E-05	2.91E-05	2.55E-05	8.22E-09	2.48E-08	1.44E-08	1.76E-08	1.59E-08	7.28E-09	6.38E-09	0.00E+00	0.00E+00	2.64E-09	5.97E-10	3.79E-09	5.84E-10	4.94E-10	8.11E-09
4385	473863.09	3857877.25	2.59E-05	3.17E-05	2.78E-05	8.95E-09	2.70E-08	1.56E-08	1.92E-08	1.74E-08	7.93E-09	6.95E-09	0.00E+00	0.00E+00	2.88E-09	6.50E-10	4.13E-09	6.36E-10	5.38E-10	8.83E-09
4386	474363.09	3857877.25	2.53E-05	3.10E-05	2.71E-05	8.75E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.75E-09	6.79E-09	0.00E+00	0.00E+00	2.81E-09	6.36E-10	4.03E-09	6.22E-10	5.26E-10	8.63E-09
4387	474863.09	3857877.25	2.00E-05	2.45E-05	2.15E-05	6.92E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.13E-09	5.37E-09	0.00E+00	0.00E+00	2.23E-09	5.03E-10	3.19E-09	4.92E-10	4.16E-10	6.83E-09
4388	475363.09	3857877.25	1.10E-05	1.35E-05	1.18E-05	3.82E-09	1.15E-08	6.67E-09	8.17E-09	7.41E-09	3.38E-09	2.96E-09	0.00E+00	0.00E+00	1.23E-09	2.77E-10	1.76E-09	2.71E-10	2.30E-10	3.77E-09
4389	475863.09	3857877.25	4.90E-06	6.00E-06	5.26E-06	1.70E-09	5.12E-09	2.96E-09	3.63E-09	3.29E-09	1.50E-09	1.32E-09	0.00E+00	0.00E+00	5.45E-10	1.23E-10	7.82E-10	1.21E-10	1.02E-10	1.67E-09
4390	476363.09	3857877.25	1.28E-05	1.57E-05	1.37E-05	4.43E-09	1.34E-08	7.74E-09	9.48E-09	8.60E-09	3.92E-09	3.44E-09	0.00E+00	0.00E+00	1.42E-09	3.22E-10	2.04E-09	3.15E-10	2.66E-10	4.37E-09
4391	476863.09	3857877.25	1.64E-05	2.01E-05	1.76E-05	5.68E-09	1.71E-08	9.93E-09	1.22E-08	1.10E-08	5.03E-09	4.41E-09	0.00E+00	0.00E+00	1.83E-09	4.13E-10	2.62E-09	4.04E-10	3.41E-10	5.60E-09
4392	477363.09	3857877.25	1.61E-05	1.97E-05	1.73E-05	5.57E-09	1.68E-08	9.74E-09	1.19E-08	1.08E-08	4.93E-09	4.33E-09	0.00E+00	0.00E+00	1.79E-09	4.05E-10	2.57E-09	3.96E-10	3.35E-10	5.50E-09
4393	477863.09	3857877.25	1.55E-05	1.90E-05	1.67E-05	5.38E-09	1.62E-08	9.40E-09	1.15E-08	1.04E-08	4.76E-09	4.18E-09	0.00E+00	0.00E+00	1.73E-09	3.91E-10	2.48E-09	3.83E-10	3.23E-10	5.31E-09
4394	478363.09	3857877.25	8.25E-06	1.01E-05	8.86E-06	2.86E-09	8.63E-09	4.99E-09	6.12E-09	5.54E-09	2.53E-09	2.22E-09	0.00E+00	0.00E+00	9.19E-10	2.08E-10	1.32E-09	2.03E-10	1.72E-10	2.82E-09
4395	478863.09	3857877.25	6.73E-06	8.25E-06	7.23E-06	2.33E-09	7.04E-09	4.07E-09	4.99E-09	4.52E-09	2.06E-09	1.81E-09	0.00E+00	0.00E+00	7.50E-10	1.69E-10	1.07E-09	1.66E-10	1.40E-10	2.30E-09
4396	479363.09	3857877.25	4.01E-05	4.92E-05	4.31E-05	1.39E-08	4.20E-08	2.43E-08	2.98E-08	2.70E-08	1.23E-08	1.08E-08	0.00E+00	0.00E+00	4.47E-09	1.01E-09	6.41E-09	9.88E-10	8.36E-10	1.37E-08
4397	479863.09	3857877.25	7.23E-05	8.86E-05	7.77E-05	2.50E-08	7.56E-08	4.37E-08	5.36E-08	4.86E-08	2.22E-08	1.94E-08	0.00E+00	0.00E+00	8.05E-09	1.82E-09	1.15E-08	1.78E-09	1.51E-09	2.47E-08
4398	480363.09	3857877.25	8.69E-05	1.06E-04	9.34E-05	3.01E-08	9.09E-08	5.26E-08	6.44E-08	5.84E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.68E-09	2.19E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
4399	480863.09	3857877.25	9.83E-05	1.20E-04	1.06E-04	3.40E-08	1.03E-07	5.95E-08	7.29E-08	6.61E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.05E-09	3.36E-08
4400	481363.09	3857877.25	1.12E-04	1.37E-04	1.20E-04	3.87E-08	1.17E-07	6.76E-08	8.28E-08	7.51E-08	3.43E-08	3.01E-08	0.00E+00	0.00E+00	1.24E-08	2.81E-09	1.78E-08	2.75E-09	2.33E-09	3.82E-08
4401	481863.09	3857877.25	1.30E-04	1.59E-04	1.40E-04	4.51E-08	1.36E-07	7.88E-08	9.65E-08	8.75E-08	3.99E-08	3.50E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.08E-08	3.20E-09	2.71E-09	4.45E-08

4402	482363.09	3857877.25	1.51E-04	1.85E-04	1.62E-04	5.22E-08	1.57E-07	9.12E-08	1.12E-07	1.01E-07	4.62E-08	4.05E-08	0.00E+00	0.00E+00	1.68E-08	3.79E-09	2.41E-08	3.71E-09	3.14E-09	5.15E-08
4403	482863.09	3857877.25	1.61E-04	1.98E-04	1.73E-04	5.58E-08	1.69E-07	9.76E-08	1.20E-07	1.08E-07	4.94E-08	4.34E-08	0.00E+00	0.00E+00	1.80E-08	4.06E-09	2.57E-08	3.97E-09	3.36E-09	5.51E-08
4404	483363.09	3857877.25	1.82E-04	2.24E-04	1.96E-04	6.32E-08	1.91E-07	1.10E-07	1.35E-07	1.23E-07	5.59E-08	4.91E-08	0.00E+00	0.00E+00	2.03E-08	4.59E-09	2.91E-08	4.49E-09	3.80E-09	6.23E-08
4405	483863.09	3857877.25	2.10E-04	2.57E-04	2.26E-04	7.27E-08	2.19E-07	1.27E-07	1.56E-07	1.41E-07	6.44E-08	5.65E-08	0.00E+00	0.00E+00	2.34E-08	5.28E-09	3.35E-08	5.17E-09	4.37E-09	7.17E-08
4406	484363.09	3857877.25	2.41E-04	2.96E-04	2.59E-04	8.36E-08	2.52E-07	1.46E-07	1.79E-07	1.62E-07	7.40E-08	6.49E-08	0.00E+00	0.00E+00	2.69E-08	6.07E-09	3.85E-08	5.94E-09	5.03E-09	8.24E-08
4407	484863.09	3857877.25	2.82E-04	3.45E-04	3.03E-04	9.75E-08	2.94E-07	1.70E-07	2.09E-07	1.89E-07	8.63E-08	7.58E-08	0.00E+00	0.00E+00	3.14E-08	7.08E-09	4.50E-08	6.93E-09	5.87E-09	9.62E-08
4408	485363.09	3857877.25	3.34E-04	4.09E-04	3.59E-04	1.16E-07	3.49E-07	2.02E-07	2.48E-07	2.24E-07	1.02E-07	8.98E-08	0.00E+00	0.00E+00	3.72E-08	8.40E-09	5.33E-08	8.22E-09	6.95E-09	1.14E-07
4409	485863.09	3857877.25	4.09E-04	5.01E-04	4.39E-04	1.42E-07	4.27E-07	2.47E-07	3.03E-07	2.75E-07	1.25E-07	1.10E-07	0.00E+00	0.00E+00	4.55E-08	1.03E-08	6.52E-08	1.01E-08	8.50E-09	1.40E-07
4410	486363.09	3857877.25	5.26E-04	6.44E-04	5.64E-04	1.82E-07	5.50E-07	3.18E-07	3.90E-07	3.53E-07	1.61E-07	1.41E-07	0.00E+00	0.00E+00	5.85E-08	1.32E-08	8.39E-08	1.29E-08	1.09E-08	1.80E-07
4411	486863.09	3857877.25	7.58E-04	9.28E-04	8.11E-04	2.62E-07	7.92E-07	4.58E-07	5.61E-07	5.09E-07	2.32E-07	2.03E-07	0.00E+00	0.00E+00	8.43E-08	1.91E-08	1.21E-07	1.86E-08	1.57E-08	2.59E-07
4412	487363.09	3857877.25	1.72E-03	2.11E-03	1.85E-03	5.95E-07	1.80E-06	1.04E-06	1.27E-06	1.16E-06	5.27E-07	4.63E-07	0.00E+00	0.00E+00	1.91E-07	4.33E-08	2.74E-07	4.23E-08	3.58E-08	5.87E-07
4413	487863.09	3857877.25	2.83E-03	3.46E-03	3.04E-03	9.79E-07	2.96E-06	1.71E-06	2.09E-06	1.90E-06	8.66E-07	7.61E-07	0.00E+00	0.00E+00	3.15E-07	7.11E-08	4.51E-07	6.96E-08	5.90E-08	9.65E-07
4414	488363.09	3857877.25	1.43E-03	1.75E-03	1.53E-03	4.95E-07	1.49E-06	8.65E-07	1.06E-06	9.60E-07	4.38E-07	3.84E-07	0.00E+00	0.00E+00	1.59E-07	3.59E-08	2.28E-07	3.52E-08	2.97E-08	4.88E-07
4415	488863.09	3857877.25	1.02E-03	1.25E-03	1.09E-03	3.52E-07	1.06E-06	6.16E-07	7.54E-07	6.83E-07	3.12E-07	2.73E-07	0.00E+00	0.00E+00	1.13E-07	2.56E-08	1.62E-07	2.50E-08	2.11E-08	3.47E-07
4416	489363.09	3857877.25	8.13E-04	9.96E-04	8.72E-04	2.82E-07	8.50E-07	4.92E-07	6.03E-07	5.46E-07	2.49E-07	2.18E-07	0.00E+00	0.00E+00	9.05E-08	2.05E-08	1.30E-07	2.00E-08	1.69E-08	2.78E-07
4417	489863.09	3857877.25	6.77E-04	8.29E-04	7.25E-04	2.34E-07	7.07E-07	4.09E-07	5.01E-07	4.55E-07	2.07E-07	1.82E-07	0.00E+00	0.00E+00	7.53E-08	1.70E-08	1.08E-07	1.67E-08	1.41E-08	2.31E-07
4418	490363.09	3857877.25	5.76E-04	7.05E-04	6.17E-04	1.99E-07	6.02E-07	3.48E-07	4.27E-07	3.87E-07	1.76E-07	1.54E-07	0.00E+00	0.00E+00	6.41E-08	1.45E-08	9.19E-08	1.42E-08	1.20E-08	1.97E-07
4419	490863.09	3857877.25	4.97E-04	6.08E-04	5.33E-04	1.72E-07	5.19E-07	3.01E-07	3.68E-07	3.34E-07	1.52E-07	1.33E-07	0.00E+00	0.00E+00	5.53E-08	1.25E-08	7.93E-08	1.22E-08	1.03E-08	1.70E-07
4420	491363.09	3857877.25	4.29E-04	5.26E-04	4.61E-04	1.49E-07	4.49E-07	2.60E-07	3.18E-07	2.88E-07	1.32E-07	1.15E-07	0.00E+00	0.00E+00	4.78E-08	1.08E-08	6.85E-08	1.06E-08	8.93E-09	1.47E-07
4421	491863.09	3857877.25	3.65E-04	4.48E-04	3.92E-04	1.27E-07	3.82E-07	2.21E-07	2.71E-07	2.46E-07	1.12E-07	9.81E-08	0.00E+00	0.00E+00	4.07E-08	9.19E-09	5.83E-08	9.00E-09	7.60E-09	1.25E-07
4422	492363.09	3857877.25	2.65E-04	3.24E-04	2.84E-04	9.16E-08	2.77E-07	1.60E-07	1.96E-07	1.78E-07	8.11E-08	7.11E-08	0.00E+00	0.00E+00	2.95E-08	6.66E-09	4.22E-08	6.51E-09	5.50E-09	9.04E-08
4423	492863.09	3857877.25	1.77E-04	2.17E-04	1.90E-04	6.13E-08	1.85E-07	1.07E-07	1.31E-07	1.19E-07	5.43E-08	4.76E-08	0.00E+00	0.00E+00	1.97E-08	4.45E-09	2.83E-08	4.36E-09	3.68E-09	6.05E-08
4424	493363.09	3857877.25	1.42E-04	1.74E-04	1.53E-04	4.92E-08	1.49E-07	8.60E-08	1.05E-07	9.55E-08	4.36E-08	3.82E-08	0.00E+00	0.00E+00	1.58E-08	3.58E-09	2.27E-08	3.50E-09	2.96E-09	4.86E-08
4425	493863.09	3857877.25	1.24E-04	1.52E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.31E-08	3.79E-08	3.32E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.98E-08	3.05E-09	2.57E-09	4.23E-08
4426	494363.09	3857877.25	1.11E-04	1.36E-04	1.19E-04	3.83E-08	1.16E-07	6.70E-08	8.20E-08	7.44E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.77E-08	2.72E-09	2.30E-09	3.78E-08
4427	494863.09	3857877.25	9.29E-05	1.14E-04	9.98E-05	3.22E-08	9.71E-08	5.62E-08	6.89E-08	6.24E-08	2.85E-08	2.50E-08	0.00E+00	0.00E+00	1.03E-08	2.34E-09	1.48E-08	2.29E-09	1.93E-09	3.17E-08
4428	495363.09	3857877.25	8.61E-05	1.05E-04	9.24E-05	2.98E-08	9.00E-08	5.21E-08	6.38E-08	5.78E-08	2.64E-08	2.31E-08	0.00E+00	0.00E+00	9.58E-09	2.17E-09	1.37E-08	2.12E-09	1.79E-09	2.94E-08
4429	495863.09	3857877.25	8.04E-05	9.84E-05	8.63E-05	2.78E-08	8.40E-08	4.86E-08	5.96E-08	5.40E-08	2.46E-08	2.16E-08	0.00E+00	0.00E+00	8.95E-09	2.02E-09	1.28E-08	1.98E-09	1.67E-09	2.74E-08
4430	496363.09	3857877.25	7.99E-05	9.78E-05	8.57E-05	2.76E-08	8.35E-08	4.83E-08	5.92E-08	5.36E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.89E-09	2.01E-09	1.27E-08	1.97E-09	1.66E-09	2.73E-08
4431	496863.09	3857877.25	7.96E-05	9.74E-05	8.54E-05	2.75E-08	8.31E-08	4.81E-08	5.90E-08	5.34E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.86E-09	2.00E-09	1.27E-08	1.96E-09	1.65E-09	2.72E-08
4432	497363.09	3857877.25	7.78E-05	9.53E-05	8.36E-05	2.69E-08	8.14E-08	4.71E-08	5.77E-08	5.23E-08	2.39E-08	2.09E-08	0.00E+00	0.00E+00	8.66E-09	1.96E-09	1.24E-08	1.92E-09	1.62E-09	2.66E-08
4433	497863.09	3857877.25	8.83E-05	1.08E-04	9.47E-05	3.06E-08	9.23E-08	5.34E-08	6.54E-08	5.93E-08	2.71E-08	2.37E-08	0.00E+00	0.00E+00	9.82E-09	2.22E-09	1.41E-08	2.17E-09	1.84E-09	3.01E-08
4434	498363.09	3857877.25	9.82E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.94E-08	7.28E-08	6.59E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.04E-09	3.35E-08
4435	471363.09	3858377.25	1.90E-05	2.33E-05	2.04E-05	6.57E-09	1.98E-08	1.15E-08	1.41E-08	1.28E-08	5.82E-09	5.10E-09	0.00E+00	0.00E+00	2.11E-09	4.78E-10	3.03E-09	4.67E-10	3.95E-10	6.48E-09
4436	471863.09	3858377.25	1.99E-05	2.44E-05	2.14E-05	6.89E-09	2.08E-08	1.20E-08	1.48E-08	1.34E-08	6.10E-09	5.35E-09	0.00E+00	0.00E+00	2.22E-09	5.01E-10	3.18E-09	4.90E-10	4.14E-10	6.80E-09
4437	472363.09	3858377.25	2.10E-05	2.57E-05	2.25E-05	7.26E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.43E-09	5.64E-09	0.00E+00	0.00E+00	2.33E-09	5.27E-10	3.35E-09	5.16E-10	4.36E-10	7.16E-09
4438	472863.09	3858377.25	2.26E-05	2.77E-05	2.42E-05	7.82E-09	2.36E-08	1.37E-08	1.67E-08	1.52E-08	6.92E-09	6.07E-09	0.00E+00	0.00E+00	2.51E-09	5.68E-10	3.60E-09	5.56E-10	4.70E-10	7.71E-09
4439	473363.09	3858377.25	2.51E-05	3.07E-05	2.69E-05	8.68E-09	2.62E-08	1.52E-08	1.86E-08	1.69E-08	7.69E-09	6.74E-09	0.00E+00	0.00E+00	2.79E-09	6.31E-10	4.00E-09	6.17E-10	5.22E-10	8.57E-09
4440	473863.09	3858377.25	2.62E-05	3.21E-05	2.81E-05	9.07E-09	2.74E-08	1.59E-08	1.94E-08	1.76E-08	8.03E-09	7.04E-09	0.00E+00	0.00E+00	2.92E-09	6.59E-10	4.18E-09	6.45E-10	5.45E-10	8.95E-09
4441	474363.09	3858377.25	2.49E-05	3.05E-05	2.67E-05	8.62E-09	2.60E-08	1.51E-08	1.85E-08	1.67E-08	7.63E-09	6.69E-09	0.00E+00	0.00E+00	2.77E-09	6.26E-10	3.97E-09	6.13E-10	5.18E-10	8.50E-09
4442	474863.09	3858377.25	2.10E-05	2.57E-05	2.25E-05	7.25E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.42E-09	5.63E-09	0.00E+00	0.00E+00	2.33E-09	5.27E-10	3.34E-09	5.16E-10	4.36E-10	7.16E-09
4443	475363.09	3858377.25	1.39E-05	1.70E-05	1.49E-05	4.81E-09	1.45E-08	8.40E-09	1.03E-08	9.33E-09	4.26E-09	3.73E-09	0.00E+00	0.00E+00	1.55E-09	3.49E-10	2.22E-09	3.42E-10	2.89E-10	4.74E-09
4444	475863.09	3858377.25	9.62E-06	1.18E-05	1.03E-05	3.33E-09	1.01E-08	5.82E-09	7.13E-09	6.46E-09	2.95E-09	2.59E-09	0.00E+00	0.00E+00	1.07E-09	2.42E-10	1.54E-09	2.37E-10	2.00E-10	3.28E-09
4445	476363.09	3858377.25	1.06E-05	1.30E-05	1.14E-05	3.68E-09	1.11E-08	6.44E-09	7.88E-09	7.15E-09	3.26E-09	2.86E-09	0.00E+00	0.00E+00	1.18E-09	2.68E-10	1.70E-09	2.62E-10	2.21E-10	3.63E-09
4446	476863.09	3858377.25	1.20E-05	1.47E-05	1.29E-05	4.16E-09	1.26E-08	7.27E-09	8.91E-09	8.08E-09	3.69E-09	3.23E-09	0.00E+00	0.00E+00	1.34E-09	3.02E-10	1.92E-09	2.96E-10	2.50E-10	4.11E-09
4447	477363.09	3858377.25	1.14E-05	1.40E-05	1.22E-05	3.94E-09	1.19E-08	6.89E-09	8.44E-09	7.65E-09	3.49E-09	3.06E-09	0.00E+00	0.00E+00	1.27E-09	2.87E-10	1.82E-09	2.80E-10	2.37E-10	3.89E-09
4448	477863.09	3858377.25	1.61E-05	1.98E-05	1.73E-05	5.59E-09	1.69E-08	9.77E-09	1.20E-08	1.08E-08	4.95E-09	4.34E-09	0.00E+00	0.00E+00	1.80E-09	4.06E-10	2.58E-09	3.98E-10	3.36E-10	5.52E-09
4449	478363.09	3858377.25	1.76E-05	2.16E-05	1.89E-05	6.10E-09	1.84E-08	1.07E-08	1.31E-08	1.18E-08	5.40E-09	4.74E-09	0.00E+00	0.00E+00	1.96E-09	4.43E-10	2.81E-09	4.34E-10	3.67E-10	6.02E-09
4450	478863.09	3858377.25	1.14E-05	1.40E-05	1.23E-05	3.95E-09	1.19E-08	6.91E-09	8.46E-09	7.67E-09	3.50E-09	3.07E-09	0.00E+00	0.00E+00	1.27E-09	2.87E-10	1.82E-09	2.81E-10	2.38E-10	3.90E-09
4451	479363.09	3858377.25	4.17E-05	5.11E-05	4.48E-05	1.44E-08	4.36E-08	2.52E-08	3.09E-08	2.80E-08	1.28E-08	1.12E-08	0.00E+00	0.00E+00	4.64E-09	1.05E-09	6.66E-09	1.03E-09	8.69E-10	1.43E-08
4452	479863.09	3858377.25	7.09E-05	8.69E-05	7.62E-05	2.46E-08	7.41E-08	4.29E-08	5.26E-08	4.76E-08	2.17E-08	1.91E-08	0.00E+00	0.00E+00	7.89E-09	1.78E-09	1.13E-08	1.75E-09	1.48E-09	2.42E-08
4453	480363.09	3858377.25	8.23E-05	1.01E-04	8.84E-05	2.85E-08	8.60E-08	4.98E-08	6.10E-08	5.53E-08	2.52E-08	2.21E-08	0.00E+00	0.00E+00	9.16E-09	2.07E-09	1.31E-08	2.03E-09	1.71E-09	2.81E-08
4454	480863.09	3858377.25	9.15E-05	1.12E-04	9.83E-05	3.17E-08	9.57E-08	5.54E-08	6.78E-08	6.15E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.91E-09	3.13E-08
4455	481363.09	3858377.25	1.03E-04	1.26E-04	1.11E-04	3.57E-08	1.08E-07	6.24E-08	7.64E-08	6.93E-08	3.16E-08	2.77E-08	0.00E+00	0.00E+00	1.15E-08	2.59E-09	1.65E-08	2.54E-09	2.15E-09	3.52E-08
4456	481863.09	3858377.25	1.16E-04	1.42E-04	1.25E-04	4.03E-08	1.22E-07	7.04E-08	8.62E-08	7.81E-08	3.56E-08	3.13E-08	0.00E+00	0.00E+00	1.29E-08	2.93E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
4457	482363.09	3858377.25	1.32E-04	1.62E-04	1.42E-04	4.58E-08	1.38E-07	8.00E-08	9.80E-08	8.89E-08	4.06E-08	3.56E-08	0.00E+00	0.00E+00	1.47E-08	3.33E-09	2.11E-08	3.26E-09	2.75E-09	4.52E-08
4458	482863.09	3858377.25	1.48E-04	1.82E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.96E-08	4.54E-08	3.99E-08	0.00E+00	0.00E+00	1.65E-08	3.73E-09	2.37E-08	3.65E-09	3.09E-09	5.06E-08
4459	483363.09	3858377.25	1.58E-04	1.93E-04	1.69E-04	5.45E-08	1.65E-07	9.53E-08	1.17E-07	1.06E-07	4.83E-08	4.24E-08	0.00E+00	0.00E+00	1.75E-08	3.96E-09	2.51E-08	3.88E-09	3.28E-09	5.38E-08

4460	483863.09	3858377.25	1.73E-04	2.12E-04	1.86E-04	5.98E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.29E-08	4.64E-08	0.00E+00	0.00E+00	1.92E-08	4.34E-09	2.76E-08	4.25E-09	3.60E-09	5.90E-08
4461	484363.09	3858377.25	1.95E-04	2.39E-04	2.09E-04	6.74E-08	2.04E-07	1.18E-07	1.44E-07	1.31E-07	5.97E-08	5.24E-08	0.00E+00	0.00E+00	2.17E-08	4.90E-09	3.11E-08	4.80E-09	4.06E-09	6.65E-08
4462	484863.09	3858377.25	2.20E-04	2.69E-04	2.36E-04	7.60E-08	2.30E-07	1.33E-07	1.63E-07	1.48E-07	6.73E-08	5.90E-08	0.00E+00	0.00E+00	2.45E-08	5.53E-09	3.51E-08	5.41E-09	4.57E-09	7.50E-08
4463	485363.09	3858377.25	2.49E-04	3.04E-04	2.67E-04	8.60E-08	2.60E-07	1.50E-07	1.84E-07	1.67E-07	7.62E-08	6.68E-08	0.00E+00	0.00E+00	2.77E-08	6.25E-09	3.97E-08	6.12E-09	5.17E-09	8.49E-08
4464	485863.09	3858377.25	2.86E-04	3.50E-04	3.07E-04	9.90E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.77E-08	7.68E-08	0.00E+00	0.00E+00	3.18E-08	7.19E-09	4.56E-08	7.04E-09	5.95E-09	9.77E-08
4465	486363.09	3858377.25	3.35E-04	4.11E-04	3.60E-04	1.16E-07	3.51E-07	2.03E-07	2.49E-07	2.25E-07	1.03E-07	9.00E-08	0.00E+00	0.00E+00	3.73E-08	8.43E-09	5.35E-08	8.25E-09	6.97E-09	1.15E-07
4466	486863.09	3858377.25	3.98E-04	4.88E-04	4.27E-04	1.38E-07	4.16E-07	2.41E-07	2.95E-07	2.68E-07	1.22E-07	1.07E-07	0.00E+00	0.00E+00	4.43E-08	1.00E-08	6.36E-08	9.80E-09	8.28E-09	1.36E-07
4467	487363.09	3858377.25	5.07E-04	6.21E-04	5.45E-04	1.76E-07	5.30E-07	3.07E-07	3.76E-07	3.41E-07	1.55E-07	1.36E-07	0.00E+00	0.00E+00	5.65E-08	1.28E-08	8.10E-08	1.25E-08	1.06E-08	1.73E-07
4468	487863.09	3858377.25	8.55E-04	1.05E-03	9.21E-04	2.96E-07	8.94E-07	5.17E-07	6.34E-07	5.74E-07	2.62E-07	2.30E-07	0.00E+00	0.00E+00	9.52E-08	2.15E-08	1.36E-07	2.10E-08	1.78E-08	2.92E-07
4469	488363.09	3858377.25	2.16E-03	2.65E-03	2.33E-03	7.48E-07	2.26E-06	1.31E-06	1.60E-06	1.45E-06	6.63E-07	5.83E-07	0.00E+00	0.00E+00	2.41E-07	5.44E-08	3.45E-07	5.32E-08	4.52E-08	7.38E-07
4470	488863.09	3858377.25	1.00E-03	1.23E-03	1.08E-03	3.47E-07	1.05E-06	6.07E-07	7.44E-07	6.74E-07	3.08E-07	2.70E-07	0.00E+00	0.00E+00	1.12E-07	2.52E-08	1.60E-07	2.47E-08	2.09E-08	3.43E-07
4471	489363.09	3858377.25	7.31E-04	8.96E-04	7.86E-04	2.53E-07	7.64E-07	4.43E-07	5.42E-07	4.91E-07	2.24E-07	1.97E-07	0.00E+00	0.00E+00	8.14E-08	1.84E-08	1.17E-07	1.80E-08	1.52E-08	2.50E-07
4472	489863.09	3858377.25	5.92E-04	7.26E-04	6.37E-04	2.05E-07	6.19E-07	3.58E-07	4.39E-07	3.98E-07	1.82E-07	1.59E-07	0.00E+00	0.00E+00	6.59E-08	1.49E-08	9.46E-08	1.46E-08	1.23E-08	2.02E-07
4473	490363.09	3858377.25	4.97E-04	6.08E-04	5.34E-04	1.72E-07	5.19E-07	3.01E-07	3.68E-07	3.34E-07	1.52E-07	1.34E-07	0.00E+00	0.00E+00	5.53E-08	1.25E-08	7.93E-08	1.22E-08	1.03E-08	1.70E-07
4474	490863.09	3858377.25	4.26E-04	5.22E-04	4.58E-04	1.48E-07	4.46E-07	2.58E-07	3.16E-07	2.86E-07	1.31E-07	1.15E-07	0.00E+00	0.00E+00	4.75E-08	1.07E-08	6.81E-08	1.05E-08	8.87E-09	1.46E-07
4475	491363.09	3858377.25	3.66E-04	4.48E-04	3.92E-04	1.27E-07	3.82E-07	2.21E-07	2.71E-07	2.46E-07	1.12E-07	9.82E-08	0.00E+00	0.00E+00	4.07E-08	9.20E-09	5.84E-08	9.00E-09	7.60E-09	1.25E-07
4476	491863.09	3858377.25	2.89E-04	3.54E-04	3.10E-04	1.00E-07	3.02E-07	1.75E-07	2.14E-07	1.94E-07	8.86E-08	7.76E-08	0.00E+00	0.00E+00	3.22E-08	7.27E-09	4.61E-08	7.12E-09	6.01E-09	9.87E-08
4477	492363.09	3858377.25	1.89E-04	2.32E-04	2.03E-04	6.55E-08	1.98E-07	1.14E-07	1.40E-07	1.27E-07	5.80E-08	5.08E-08	0.00E+00	0.00E+00	2.11E-08	4.76E-09	3.02E-08	4.66E-09	3.93E-09	6.46E-08
4478	492863.09	3858377.25	1.95E-04	2.39E-04	2.09E-04	6.75E-08	2.04E-07	1.18E-07	1.45E-07	1.31E-07	5.98E-08	5.24E-08	0.00E+00	0.00E+00	2.17E-08	4.91E-09	3.11E-08	4.80E-09	4.05E-09	6.66E-08
4479	493363.09	3858377.25	1.62E-04	1.98E-04	1.74E-04	5.60E-08	1.69E-07	9.79E-08	1.20E-07	1.09E-07	4.96E-08	4.34E-08	0.00E+00	0.00E+00	1.80E-08	4.07E-09	2.58E-08	3.98E-09	3.36E-09	5.52E-08
4480	493863.09	3858377.25	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	2.99E-09	4.91E-08
4481	494363.09	3858377.25	1.25E-04	1.53E-04	1.34E-04	4.34E-08	1.31E-07	7.58E-08	9.28E-08	8.42E-08	3.84E-08	3.36E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.61E-09	4.28E-08
4482	494863.09	3858377.25	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.19E-08	7.43E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.78E-08
4483	495363.09	3858377.25	9.53E-05	1.17E-04	1.02E-04	3.30E-08	9.96E-08	5.76E-08	7.06E-08	6.40E-08	2.92E-08	2.56E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.52E-08	2.34E-09	1.98E-09	3.25E-08
4484	495863.09	3858377.25	9.14E-05	1.12E-04	9.82E-05	3.17E-08	9.56E-08	5.53E-08	6.78E-08	6.14E-08	2.80E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.90E-09	3.12E-08
4485	496363.09	3858377.25	8.71E-05	1.07E-04	9.35E-05	3.01E-08	9.10E-08	5.27E-08	6.45E-08	5.85E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.69E-09	2.19E-09	1.39E-08	2.14E-09	1.81E-09	2.97E-08
4486	496863.09	3858377.25	8.98E-05	1.10E-04	9.64E-05	3.11E-08	9.38E-08	5.43E-08	6.65E-08	6.03E-08	2.75E-08	2.41E-08	0.00E+00	0.00E+00	9.99E-09	2.26E-09	1.43E-08	2.21E-09	1.87E-09	3.07E-08
4487	497363.09	3858377.25	8.88E-05	1.09E-04	9.54E-05	3.08E-08	9.28E-08	5.37E-08	6.58E-08	5.97E-08	2.72E-08	2.39E-08	0.00E+00	0.00E+00	9.89E-09	2.23E-09	1.42E-08	2.19E-09	1.85E-09	3.03E-08
4488	497863.09	3858377.25	9.65E-05	1.18E-04	1.04E-04	3.34E-08	1.01E-07	5.84E-08	7.16E-08	6.49E-08	2.96E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.43E-09	1.54E-08	2.38E-09	2.01E-09	3.30E-08
4489	498363.09	3858377.25	1.06E-04	1.30E-04	1.14E-04	3.66E-08	1.11E-07	6.41E-08	7.85E-08	7.11E-08	3.25E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.61E-09	2.20E-09	3.62E-08
4490	471363.09	3858877.25	1.93E-05	2.36E-05	2.07E-05	6.66E-09	2.01E-08	1.16E-08	1.43E-08	1.29E-08	5.90E-09	5.17E-09	0.00E+00	0.00E+00	2.14E-09	4.84E-10	3.07E-09	4.74E-10	4.01E-10	6.58E-09
4491	471863.09	3858877.25	2.02E-05	2.47E-05	2.17E-05	6.99E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.19E-09	5.43E-09	0.00E+00	0.00E+00	2.25E-09	5.08E-10	3.22E-09	4.97E-10	4.20E-10	6.90E-09
4492	472363.09	3858877.25	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.86E-09	0.00E+00	0.00E+00	2.43E-09	5.49E-10	3.48E-09	5.37E-10	4.54E-10	7.45E-09
4493	472863.09	3858877.25	2.34E-05	2.87E-05	2.51E-05	8.10E-09	2.45E-08	1.42E-08	1.73E-08	1.57E-08	7.17E-09	6.29E-09	0.00E+00	0.00E+00	2.61E-09	5.89E-10	3.74E-09	5.76E-10	4.87E-10	7.99E-09
4494	473363.09	3858877.25	2.54E-05	3.11E-05	2.73E-05	8.80E-09	2.66E-08	1.54E-08	1.88E-08	1.71E-08	7.80E-09	6.83E-09	0.00E+00	0.00E+00	2.83E-09	6.40E-10	4.06E-09	6.26E-10	5.29E-10	8.68E-09
4495	473863.09	3858877.25	2.66E-05	3.25E-05	2.85E-05	9.20E-09	2.78E-08	1.61E-08	1.97E-08	1.78E-08	8.14E-09	7.14E-09	0.00E+00	0.00E+00	2.96E-09	6.68E-10	4.24E-09	6.54E-10	5.53E-10	9.07E-09
4496	474363.09	3858877.25	2.59E-05	3.17E-05	2.78E-05	8.97E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.94E-09	6.96E-09	0.00E+00	0.00E+00	2.88E-09	6.52E-10	4.14E-09	6.38E-10	5.39E-10	8.85E-09
4497	474863.09	3858877.25	1.33E-05	1.63E-05	1.43E-05	4.61E-09	1.39E-08	8.05E-09	9.86E-09	8.94E-09	4.08E-09	3.58E-09	0.00E+00	0.00E+00	1.48E-09	3.35E-10	2.12E-09	3.28E-10	2.77E-10	4.55E-09
4498	475363.09	3858877.25	9.51E-06	1.17E-05	1.02E-05	3.29E-09	9.94E-09	5.76E-09	7.05E-09	6.39E-09	2.92E-09	2.56E-09	0.00E+00	0.00E+00	1.06E-09	2.39E-10	1.52E-09	2.34E-10	1.98E-10	3.25E-09
4499	475863.09	3858877.25	1.12E-05	1.38E-05	1.21E-05	3.89E-09	1.17E-08	6.80E-09	8.33E-09	7.55E-09	3.44E-09	3.02E-09	0.00E+00	0.00E+00	1.25E-09	2.83E-10	1.79E-09	2.77E-10	2.34E-10	3.84E-09
4500	476363.09	3858877.25	6.75E-06	8.27E-06	7.25E-06	2.34E-09	7.05E-09	4.08E-09	5.00E-09	4.53E-09	2.07E-09	1.81E-09	0.00E+00	0.00E+00	7.51E-10	1.70E-10	1.08E-09	1.66E-10	1.40E-10	2.30E-09
4501	476863.09	3858877.25	8.86E-06	1.09E-05	9.52E-06	3.07E-09	9.26E-09	5.36E-09	6.57E-09	5.95E-09	2.72E-09	2.38E-09	0.00E+00	0.00E+00	9.86E-10	2.23E-10	1.41E-09	2.18E-10	1.84E-10	3.03E-09
4502	477363.09	3858877.25	9.19E-06	1.13E-05	9.87E-06	3.18E-09	9.60E-09	5.56E-09	6.81E-09	6.17E-09	2.82E-09	2.47E-09	0.00E+00	0.00E+00	1.02E-09	2.31E-10	1.47E-09	2.26E-10	1.91E-10	3.14E-09
4503	477863.09	3858877.25	1.19E-05	1.46E-05	1.28E-05	4.12E-09	1.24E-08	7.20E-09	8.82E-09	8.00E-09	3.65E-09	3.20E-09	0.00E+00	0.00E+00	1.32E-09	2.99E-10	1.90E-09	2.93E-10	2.48E-10	4.07E-09
4504	478363.09	3858877.25	2.72E-05	3.33E-05	2.92E-05	9.41E-09	2.84E-08	1.64E-08	2.01E-08	1.83E-08	8.33E-09	7.31E-09	0.00E+00	0.00E+00	3.02E-09	6.84E-10	4.34E-09	6.69E-10	5.66E-10	9.28E-09
4505	478863.09	3858877.25	2.29E-05	2.81E-05	2.46E-05	7.93E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.03E-09	6.16E-09	0.00E+00	0.00E+00	2.55E-09	5.77E-10	3.66E-09	5.64E-10	4.77E-10	7.83E-09
4506	479363.09	3858877.25	1.81E-05	2.22E-05	1.95E-05	6.28E-09	1.90E-08	1.10E-08	1.35E-08	1.22E-08	5.56E-09	4.88E-09	0.00E+00	0.00E+00	2.02E-09	4.57E-10	2.90E-09	4.47E-10	3.78E-10	6.20E-09
4507	479863.09	3858877.25	6.77E-05	8.29E-05	7.28E-05	2.34E-08	7.08E-08	4.10E-08	5.02E-08	4.55E-08	2.08E-08	1.82E-08	0.00E+00	0.00E+00	7.54E-09	1.70E-09	1.08E-08	1.67E-09	1.41E-09	2.31E-08
4508	480363.09	3858877.25	7.61E-05	9.32E-05	8.17E-05	2.63E-08	7.95E-08	4.60E-08	5.64E-08	5.11E-08	2.33E-08	2.05E-08	0.00E+00	0.00E+00	8.47E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.60E-08
4509	480863.09	3858877.25	8.44E-05	1.03E-04	9.07E-05	2.92E-08	8.82E-08	5.11E-08	6.26E-08	5.67E-08	2.59E-08	2.27E-08	0.00E+00	0.00E+00	9.40E-09	2.12E-09	1.35E-08	2.08E-09	1.76E-09	2.88E-08
4510	481363.09	3858877.25	9.35E-05	1.15E-04	1.00E-04	3.24E-08	9.77E-08	5.66E-08	6.93E-08	6.28E-08	2.87E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.95E-09	3.19E-08
4511	481863.09	3858877.25	1.04E-04	1.28E-04	1.12E-04	3.61E-08	1.09E-07	6.31E-08	7.73E-08	7.00E-08	3.20E-08	2.80E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.57E-09	2.17E-09	3.56E-08
4512	482363.09	3858877.25	1.16E-04	1.42E-04	1.24E-04	4.00E-08	1.21E-07	6.99E-08	8.56E-08	7.76E-08	3.54E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.84E-08	2.84E-09	2.41E-09	3.95E-08
4513	482863.09	3858877.25	1.28E-04	1.57E-04	1.38E-04	4.44E-08	1.34E-07	7.76E-08	9.51E-08	8.62E-08	3.93E-08	3.45E-08	0.00E+00	0.00E+00	1.43E-08	3.23E-09	2.05E-08	3.16E-09	2.67E-09	4.38E-08
4514	483363.09	3858877.25	1.34E-04	1.64E-04	1.43E-04	4.63E-08	1.40E-07	8.09E-08	9.90E-08	8.98E-08	4.10E-08	3.59E-08	0.00E+00	0.00E+00	1.49E-08	3.36E-09	2.13E-08	3.29E-09	2.78E-09	4.56E-08
4515	483863.09	3858877.25	1.44E-04	1.76E-04	1.55E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.87E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	3.00E-09	4.92E-08
4516	484363.09	3858877.25	1.58E-04	1.94E-04	1.70E-04	5.49E-08	1.66E-07	9.59E-08	1.17E-07	1.06E-07	4.86E-08	4.26E-08	0.00E+00	0.00E+00	1.76E-08	3.99E-09	2.53E-08	3.90E-09	3.30E-09	5.41E-08
4517	484863.09	3858877.25	1.74E-04	2.13E-04	1.87E-04	6.01E-08	1.81E-07	1.05E-07	1.29E-07	1.17E-07	5.32E-08	4.67E-08	0.00E+00	0.00E+00	1.93E-08	4.37E-09	2.77E-08	4.27E-09	3.61E-09	5.93E-08

4518	485363.09	3858877.25	1.91E-04	2.34E-04	2.05E-04	6.60E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.84E-08	5.13E-08	0.00E+00	0.00E+00	2.12E-08	4.80E-09	3.04E-08	4.69E-09	3.97E-09	6.51E-08
4519	485863.09	3858877.25	2.11E-04	2.58E-04	2.26E-04	7.30E-08	2.20E-07	1.28E-07	1.56E-07	1.42E-07	6.47E-08	5.67E-08	0.00E+00	0.00E+00	2.35E-08	5.31E-09	3.37E-08	5.19E-09	4.39E-09	7.20E-08
4520	486363.09	3858877.25	2.32E-04	2.84E-04	2.49E-04	8.02E-08	2.42E-07	1.40E-07	1.72E-07	1.56E-07	7.10E-08	6.22E-08	0.00E+00	0.00E+00	2.58E-08	5.83E-09	3.70E-08	5.70E-09	4.82E-09	7.91E-08
4521	486863.09	3858877.25	2.58E-04	3.16E-04	2.77E-04	8.92E-08	2.69E-07	1.56E-07	1.91E-07	1.73E-07	7.90E-08	6.92E-08	0.00E+00	0.00E+00	2.87E-08	6.48E-09	4.11E-08	6.34E-09	5.36E-09	8.80E-08
4522	487363.09	3858877.25	2.98E-04	3.65E-04	3.20E-04	1.03E-07	3.11E-07	1.80E-07	2.21E-07	2.00E-07	9.13E-08	8.02E-08	0.00E+00	0.00E+00	3.32E-08	7.50E-09	4.76E-08	7.33E-09	6.21E-09	1.02E-07
4523	487863.09	3858877.25	3.55E-04	4.35E-04	3.82E-04	1.23E-07	3.72E-07	2.15E-07	2.63E-07	2.39E-07	1.09E-07	9.57E-08	0.00E+00	0.00E+00	3.96E-08	8.94E-09	5.67E-08	8.75E-09	7.41E-09	1.21E-07
4524	488363.09	3858877.25	5.14E-04	6.30E-04	5.53E-04	1.78E-07	5.37E-07	3.11E-07	3.81E-07	3.45E-07	1.58E-07	1.38E-07	0.00E+00	0.00E+00	5.72E-08	1.29E-08	8.20E-08	1.27E-08	1.07E-08	1.76E-07
4525	488863.09	3858877.25	1.86E-03	2.28E-03	2.01E-03	6.43E-07	1.94E-06	1.12E-06	1.38E-06	1.25E-06	5.70E-07	5.02E-07	0.00E+00	0.00E+00	2.07E-07	4.68E-08	2.97E-07	4.58E-08	3.89E-08	6.35E-07
4526	489363.09	3858877.25	6.39E-04	7.83E-04	6.89E-04	2.21E-07	6.68E-07	3.87E-07	4.74E-07	4.30E-07	1.96E-07	1.72E-07	0.00E+00	0.00E+00	7.12E-08	1.61E-08	1.02E-07	1.57E-08	1.33E-08	2.18E-07
4527	489863.09	3858877.25	4.47E-04	5.48E-04	4.81E-04	1.55E-07	4.68E-07	2.71E-07	3.32E-07	3.01E-07	1.37E-07	1.20E-07	0.00E+00	0.00E+00	4.98E-08	1.13E-08	7.14E-08	1.10E-08	9.33E-09	1.53E-07
4528	490363.09	3858877.25	3.70E-04	4.54E-04	3.98E-04	1.28E-07	3.87E-07	2.24E-07	2.75E-07	2.49E-07	1.14E-07	9.96E-08	0.00E+00	0.00E+00	4.12E-08	9.32E-09	5.91E-08	9.12E-09	7.72E-09	1.27E-07
4529	490863.09	3858877.25	3.16E-04	3.87E-04	3.39E-04	1.09E-07	3.30E-07	1.91E-07	2.34E-07	2.12E-07	9.68E-08	8.49E-08	0.00E+00	0.00E+00	3.51E-08	7.94E-09	5.04E-08	7.77E-09	6.57E-09	1.08E-07
4530	491363.09	3858877.25	2.60E-04	3.18E-04	2.79E-04	8.99E-08	2.72E-07	1.57E-07	1.93E-07	1.75E-07	7.96E-08	6.98E-08	0.00E+00	0.00E+00	2.89E-08	6.54E-09	4.15E-08	6.40E-09	5.41E-09	8.87E-08
4531	491863.09	3858877.25	1.94E-04	2.38E-04	2.08E-04	6.72E-08	2.03E-07	1.17E-07	1.44E-07	1.30E-07	5.95E-08	5.21E-08	0.00E+00	0.00E+00	2.16E-08	4.88E-09	3.10E-08	4.78E-09	4.04E-09	6.63E-08
4532	492363.09	3858877.25	2.05E-04	2.51E-04	2.20E-04	7.11E-08	2.15E-07	1.24E-07	1.52E-07	1.38E-07	6.29E-08	5.52E-08	0.00E+00	0.00E+00	2.29E-08	5.17E-09	3.28E-08	5.05E-09	4.27E-09	7.01E-08
4533	492863.09	3858877.25	2.09E-04	2.56E-04	2.24E-04	7.23E-08	2.18E-07	1.26E-07	1.55E-07	1.40E-07	6.41E-08	5.61E-08	0.00E+00	0.00E+00	2.33E-08	5.26E-09	3.34E-08	5.14E-09	4.35E-09	7.14E-08
4534	493363.09	3858877.25	1.88E-04	2.30E-04	2.01E-04	6.50E-08	1.96E-07	1.14E-07	1.39E-07	1.26E-07	5.75E-08	5.04E-08	0.00E+00	0.00E+00	2.09E-08	4.72E-09	3.00E-08	4.62E-09	3.90E-09	6.41E-08
4535	493863.09	3858877.25	1.56E-04	1.91E-04	1.67E-04	5.40E-08	1.63E-07	9.43E-08	1.16E-07	1.05E-07	4.78E-08	4.19E-08	0.00E+00	0.00E+00	1.74E-08	3.92E-09	2.49E-08	3.84E-09	3.24E-09	5.32E-08
4536	494363.09	3858877.25	1.42E-04	1.74E-04	1.52E-04	4.90E-08	1.48E-07	8.57E-08	1.05E-07	9.52E-08	4.34E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.49E-09	2.95E-09	4.84E-08
4537	494863.09	3858877.25	1.26E-04	1.54E-04	1.35E-04	4.35E-08	1.31E-07	7.60E-08	9.31E-08	8.44E-08	3.85E-08	3.37E-08	0.00E+00	0.00E+00	1.40E-08	3.16E-09	2.00E-08	3.09E-09	2.61E-09	4.29E-08
4538	495363.09	3858877.25	1.11E-04	1.36E-04	1.20E-04	3.86E-08	1.16E-07	6.74E-08	8.26E-08	7.48E-08	3.42E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.78E-08	2.74E-09	2.32E-09	3.80E-08
4539	495863.09	3858877.25	1.04E-04	1.27E-04	1.12E-04	3.60E-08	1.09E-07	6.29E-08	7.71E-08	6.99E-08	3.19E-08	2.79E-08	0.00E+00	0.00E+00	1.16E-08	2.62E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
4540	496363.09	3858877.25	1.01E-04	1.24E-04	1.08E-04	3.49E-08	1.06E-07	6.11E-08	7.48E-08	6.78E-08	3.09E-08	2.71E-08	0.00E+00	0.00E+00	1.12E-08	2.54E-09	1.61E-08	2.48E-09	2.10E-09	3.45E-08
4541	496863.09	3858877.25	9.81E-05	1.20E-04	1.05E-04	3.40E-08	1.03E-07	5.94E-08	7.27E-08	6.59E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.04E-09	3.35E-08
4542	497363.09	3858877.25	9.50E-05	1.16E-04	1.02E-04	3.29E-08	9.93E-08	5.75E-08	7.04E-08	6.38E-08	2.91E-08	2.55E-08	0.00E+00	0.00E+00	1.06E-08	2.39E-09	1.52E-08	2.34E-09	1.98E-09	3.25E-08
4543	497863.09	3858877.25	1.03E-04	1.26E-04	1.10E-04	3.56E-08	1.07E-07	6.22E-08	7.61E-08	6.90E-08	3.15E-08	2.76E-08	0.00E+00	0.00E+00	1.14E-08	2.58E-09	1.64E-08	2.53E-09	2.14E-09	3.51E-08
4544	498363.09	3858877.25	1.08E-04	1.32E-04	1.15E-04	3.72E-08	1.12E-07	6.51E-08	7.97E-08	7.23E-08	3.30E-08	2.89E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.24E-09	3.67E-08
4545	471363.09	3859377.25	1.95E-05	2.39E-05	2.10E-05	6.76E-09	2.04E-08	1.18E-08	1.45E-08	1.31E-08	5.99E-09	5.25E-09	0.00E+00	0.00E+00	2.17E-09	4.91E-10	3.12E-09	4.81E-10	4.06E-10	6.67E-09
4546	471863.09	3859377.25	2.07E-05	2.53E-05	2.22E-05	7.16E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.34E-09	5.56E-09	0.00E+00	0.00E+00	2.30E-09	5.20E-10	3.30E-09	5.09E-10	4.30E-10	7.06E-09
4547	472363.09	3859377.25	2.22E-05	2.72E-05	2.38E-05	7.68E-09	2.32E-08	1.34E-08	1.64E-08	1.49E-08	6.80E-09	5.96E-09	0.00E+00	0.00E+00	2.47E-09	5.58E-10	3.54E-09	5.46E-10	4.61E-10	7.57E-09
4548	472863.09	3859377.25	2.36E-05	2.89E-05	2.54E-05	8.17E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.24E-09	6.35E-09	0.00E+00	0.00E+00	2.63E-09	5.94E-10	3.77E-09	5.81E-10	4.91E-10	8.06E-09
4549	473363.09	3859377.25	2.53E-05	3.09E-05	2.71E-05	8.75E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.74E-09	6.79E-09	0.00E+00	0.00E+00	2.81E-09	6.36E-10	4.03E-09	6.22E-10	5.26E-10	8.63E-09
4550	473863.09	3859377.25	2.67E-05	3.27E-05	2.87E-05	9.24E-09	2.79E-08	1.61E-08	1.98E-08	1.79E-08	8.18E-09	7.17E-09	0.00E+00	0.00E+00	2.97E-09	6.71E-10	4.26E-09	6.57E-10	5.55E-10	9.11E-09
4551	474363.09	3859377.25	2.59E-05	3.18E-05	2.79E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.97E-09	0.00E+00	0.00E+00	2.89E-09	6.53E-10	4.14E-09	6.39E-10	5.40E-10	8.86E-09
4552	474863.09	3859377.25	2.09E-05	2.56E-05	2.25E-05	7.24E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.41E-09	5.62E-09	0.00E+00	0.00E+00	2.33E-09	5.26E-10	3.34E-09	5.15E-10	4.35E-10	7.14E-09
4553	475363.09	3859377.25	1.39E-05	1.70E-05	1.49E-05	4.80E-09	1.45E-08	8.40E-09	1.03E-08	9.33E-09	4.26E-09	3.73E-09	0.00E+00	0.00E+00	1.54E-09	3.49E-10	2.22E-09	3.42E-10	2.89E-10	4.74E-09
4554	475863.09	3859377.25	8.57E-06	1.05E-05	9.20E-06	2.97E-09	8.95E-09	5.18E-09	6.35E-09	5.76E-09	2.63E-09	2.30E-09	0.00E+00	0.00E+00	9.54E-10	2.16E-10	1.37E-09	2.11E-10	1.78E-10	2.93E-09
4555	476363.09	3859377.25	7.57E-06	9.27E-06	8.13E-06	2.62E-09	7.91E-09	4.58E-09	5.61E-09	5.09E-09	2.32E-09	2.04E-09	0.00E+00	0.00E+00	8.43E-10	1.90E-10	1.21E-09	1.86E-10	1.58E-10	2.59E-09
4556	476863.09	3859377.25	6.05E-06	7.42E-06	6.50E-06	2.10E-09	6.33E-09	3.66E-09	4.49E-09	4.07E-09	1.86E-09	1.63E-09	0.00E+00	0.00E+00	6.74E-10	1.52E-10	9.67E-10	1.49E-10	1.26E-10	2.07E-09
4557	477363.09	3859377.25	6.72E-06	8.23E-06	7.22E-06	2.33E-09	7.02E-09	4.07E-09	4.98E-09	4.51E-09	2.06E-09	1.81E-09	0.00E+00	0.00E+00	7.48E-10	1.69E-10	1.07E-09	1.65E-10	1.40E-10	2.30E-09
4558	477863.09	3859377.25	1.37E-05	1.67E-05	1.47E-05	4.73E-09	1.43E-08	8.27E-09	1.01E-08	9.19E-09	4.19E-09	3.68E-09	0.00E+00	0.00E+00	1.52E-09	3.44E-10	2.18E-09	3.37E-10	2.85E-10	4.67E-09
4559	478363.09	3859377.25	2.36E-05	2.89E-05	2.54E-05	8.17E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.24E-09	6.35E-09	0.00E+00	0.00E+00	2.63E-09	5.94E-10	3.77E-09	5.81E-10	4.91E-10	8.06E-09
4560	478863.09	3859377.25	3.85E-05	4.71E-05	4.13E-05	1.33E-08	4.02E-08	2.33E-08	2.85E-08	2.58E-08	1.18E-08	1.03E-08	0.00E+00	0.00E+00	4.28E-09	9.68E-10	6.14E-09	9.47E-10	8.01E-10	1.31E-08
4561	479363.09	3859377.25	5.13E-05	6.28E-05	5.51E-05	1.77E-08	5.36E-08	3.10E-08	3.80E-08	3.44E-08	1.57E-08	1.38E-08	0.00E+00	0.00E+00	5.71E-09	1.29E-09	8.18E-09	1.26E-09	1.07E-09	1.75E-08
4562	479863.09	3859377.25	6.12E-05	7.50E-05	6.58E-05	2.12E-08	6.40E-08	3.70E-08	4.54E-08	4.11E-08	1.88E-08	1.65E-08	0.00E+00	0.00E+00	6.81E-09	1.54E-09	9.77E-09	1.51E-09	1.27E-09	2.09E-08
4563	480363.09	3859377.25	6.99E-05	8.56E-05	7.51E-05	2.42E-08	7.30E-08	4.23E-08	5.18E-08	4.70E-08	2.14E-08	1.88E-08	0.00E+00	0.00E+00	7.78E-09	1.76E-09	1.12E-08	1.72E-09	1.45E-09	2.39E-08
4564	480863.09	3859377.25	7.70E-05	9.43E-05	8.26E-05	2.66E-08	8.04E-08	4.66E-08	5.70E-08	5.17E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.57E-09	1.94E-09	1.23E-08	1.89E-09	1.60E-09	2.63E-08
4565	481363.09	3859377.25	8.46E-05	1.04E-04	9.09E-05	2.93E-08	8.85E-08	5.12E-08	6.27E-08	5.69E-08	2.59E-08	2.27E-08	0.00E+00	0.00E+00	9.42E-09	2.13E-09	1.35E-08	2.08E-09	1.76E-09	2.89E-08
4566	481863.09	3859377.25	9.30E-05	1.14E-04	9.99E-05	3.22E-08	9.72E-08	5.63E-08	6.89E-08	6.25E-08	2.85E-08	2.50E-08	0.00E+00	0.00E+00	1.04E-08	2.34E-09	1.48E-08	2.29E-09	1.94E-09	3.18E-08
4567	482363.09	3859377.25	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.51E-08	6.81E-08	3.11E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.46E-08
4568	482863.09	3859377.25	1.10E-04	1.35E-04	1.19E-04	3.83E-08	1.15E-07	6.69E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
4569	483363.09	3859377.25	1.18E-04	1.45E-04	1.27E-04	4.09E-08	1.23E-07	7.15E-08	8.75E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.89E-08	2.91E-09	2.46E-09	4.03E-08
4570	483863.09	3859377.25	1.20E-04	1.48E-04	1.29E-04	4.17E-08	1.26E-07	7.29E-08	8.93E-08	8.09E-08	3.69E-08	3.24E-08	0.00E+00	0.00E+00	1.34E-08	3.03E-09	1.92E-08	2.96E-09	2.51E-09	4.11E-08
4571	484363.09	3859377.25	1.30E-04	1.59E-04	1.40E-04	4.50E-08	1.36E-07	7.86E-08	9.63E-08	8.73E-08	3.98E-08	3.49E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.07E-08	3.20E-09	2.71E-09	4.44E-08
4572	484863.09	3859377.25	1.40E-04	1.71E-04	1.50E-04	4.84E-08	1.46E-07	8.46E-08	1.04E-07	9.40E-08	4.29E-08	3.76E-08	0.00E+00	0.00E+00	1.56E-08	3.52E-09	2.23E-08	3.44E-09	2.91E-09	4.78E-08
4573	485363.09	3859377.25	1.50E-04	1.84E-04	1.61E-04	5.19E-08	1.57E-07	9.07E-08	1.11E-07	1.01E-07	4.60E-08	4.03E-08	0.00E+00	0.00E+00	1.67E-08	3.77E-09	2.39E-08	3.69E-09	3.12E-09	5.12E-08
4574	485863.09	3859377.25	1.60E-04	1.96E-04	1.72E-04	5.55E-08	1.68E-07	9.70E-08	1.19E-07	1.08E-07	4.92E-08	4.31E-08	0.00E+00	0.00E+00	1.79E-08	4.03E-09	2.56E-08	3.95E-09	3.34E-09	5.48E-08
4575	486363.09	3859377.25	1.71E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.61E-08	0.00E+00	0.00E+00	1.91E-08	4.31E-09	2.74E-08	4.22E-09	3.57E-09	5.86E-08

4576	486863.09	3859377.25	1.81E-04	2.22E-04	1.94E-04	6.26E-08	1.89E-07	1.09E-07	1.34E-07	1.21E-07	5.54E-08	4.86E-08	0.00E+00	0.00E+00	2.01E-08	4.55E-09	2.89E-08	4.45E-09	3.76E-09	6.18E-08
4577	487363.09	3859377.25	1.92E-04	2.35E-04	2.06E-04	6.65E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.89E-08	5.17E-08	0.00E+00	0.00E+00	2.14E-08	4.83E-09	3.07E-08	4.73E-09	4.00E-09	6.56E-08
4578	487863.09	3859377.25	2.11E-04	2.58E-04	2.26E-04	7.29E-08	2.20E-07	1.27E-07	1.56E-07	1.41E-07	6.45E-08	5.66E-08	0.00E+00	0.00E+00	2.34E-08	5.30E-09	3.36E-08	5.18E-09	4.39E-09	7.19E-08
4579	488363.09	3859377.25	2.29E-04	2.81E-04	2.46E-04	7.93E-08	2.39E-07	1.39E-07	1.70E-07	1.54E-07	7.02E-08	6.16E-08	0.00E+00	0.00E+00	2.55E-08	5.76E-09	3.66E-08	5.64E-09	4.77E-09	7.82E-08
4580	488863.09	3859377.25	2.41E-04	2.95E-04	2.59E-04	8.33E-08	2.52E-07	1.46E-07	1.78E-07	1.62E-07	7.38E-08	6.48E-08	0.00E+00	0.00E+00	2.68E-08	6.06E-09	3.84E-08	5.93E-09	5.02E-09	8.22E-08
4581	489363.09	3859377.25	2.44E-04	2.99E-04	2.62E-04	8.45E-08	2.55E-07	1.48E-07	1.81E-07	1.64E-07	7.48E-08	6.56E-08	0.00E+00	0.00E+00	2.72E-08	6.14E-09	3.89E-08	6.01E-09	5.08E-09	8.33E-08
4582	489863.09	3859377.25	2.36E-04	2.89E-04	2.54E-04	8.17E-08	2.47E-07	1.43E-07	1.75E-07	1.59E-07	7.24E-08	6.35E-08	0.00E+00	0.00E+00	2.63E-08	5.94E-09	3.77E-08	5.81E-09	4.92E-09	8.06E-08
4583	490363.09	3859377.25	2.29E-04	2.80E-04	2.46E-04	7.91E-08	2.39E-07	1.38E-07	1.69E-07	1.54E-07	7.01E-08	6.15E-08	0.00E+00	0.00E+00	2.54E-08	5.75E-09	3.65E-08	5.63E-09	4.76E-09	7.81E-08
4584	490863.09	3859377.25	2.16E-04	2.65E-04	2.32E-04	7.48E-08	2.26E-07	1.31E-07	1.60E-07	1.45E-07	6.63E-08	5.81E-08	0.00E+00	0.00E+00	2.41E-08	5.44E-09	3.45E-08	5.32E-09	4.50E-09	7.38E-08
4585	491363.09	3859377.25	1.86E-04	2.28E-04	1.99E-04	6.43E-08	1.94E-07	1.12E-07	1.38E-07	1.25E-07	5.69E-08	4.99E-08	0.00E+00	0.00E+00	2.07E-08	4.67E-09	2.96E-08	4.57E-09	3.86E-09	6.34E-08
4586	491863.09	3859377.25	1.96E-04	2.40E-04	2.11E-04	6.79E-08	2.05E-07	1.19E-07	1.45E-07	1.32E-07	6.01E-08	5.27E-08	0.00E+00	0.00E+00	2.18E-08	4.93E-09	3.13E-08	4.83E-09	4.08E-09	6.70E-08
4587	492363.09	3859377.25	1.87E-04	2.29E-04	2.01E-04	6.48E-08	1.96E-07	1.13E-07	1.39E-07	1.26E-07	5.74E-08	5.03E-08	0.00E+00	0.00E+00	2.08E-08	4.71E-09	2.99E-08	4.61E-09	3.89E-09	6.39E-08
4588	492863.09	3859377.25	1.78E-04	2.18E-04	1.91E-04	6.16E-08	1.86E-07	1.08E-07	1.32E-07	1.20E-07	5.46E-08	4.78E-08	0.00E+00	0.00E+00	1.98E-08	4.48E-09	2.84E-08	4.38E-09	3.70E-09	6.08E-08
4589	493363.09	3859377.25	1.64E-04	2.01E-04	1.76E-04	5.69E-08	1.72E-07	9.95E-08	1.22E-07	1.10E-07	5.04E-08	4.42E-08	0.00E+00	0.00E+00	1.83E-08	4.14E-09	2.62E-08	4.05E-09	3.42E-09	5.61E-08
4590	493863.09	3859377.25	1.55E-04	1.90E-04	1.67E-04	5.38E-08	1.62E-07	9.41E-08	1.15E-07	1.04E-07	4.77E-08	4.18E-08	0.00E+00	0.00E+00	1.73E-08	3.91E-09	2.48E-08	3.83E-09	3.23E-09	5.31E-08
4591	494363.09	3859377.25	1.45E-04	1.77E-04	1.55E-04	5.01E-08	1.51E-07	8.76E-08	1.07E-07	9.73E-08	4.44E-08	3.89E-08	0.00E+00	0.00E+00	1.61E-08	3.64E-09	2.31E-08	3.56E-09	3.01E-09	4.95E-08
4592	494863.09	3859377.25	1.29E-04	1.58E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.53E-08	8.64E-08	3.94E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.24E-09	2.05E-08	3.17E-09	2.68E-09	4.39E-08
4593	495363.09	3859377.25	1.22E-04	1.50E-04	1.31E-04	4.23E-08	1.28E-07	7.39E-08	9.05E-08	8.20E-08	3.74E-08	3.28E-08	0.00E+00	0.00E+00	1.36E-08	3.07E-09	1.95E-08	3.01E-09	2.54E-09	4.17E-08
4594	495863.09	3859377.25	1.13E-04	1.39E-04	1.22E-04	3.92E-08	1.18E-07	6.85E-08	8.39E-08	7.61E-08	3.47E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.85E-09	1.81E-08	2.79E-09	2.36E-09	3.87E-08
4595	496363.09	3859377.25	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.19E-08	7.42E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
4596	496863.09	3859377.25	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.09E-09	3.42E-08
4597	497363.09	3859377.25	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.81E-08	3.11E-08	2.72E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.46E-08
4598	497863.09	3859377.25	1.04E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.32E-08	7.74E-08	7.02E-08	3.20E-08	2.81E-08	0.00E+00	0.00E+00	1.16E-08	2.63E-09	1.67E-08	2.57E-09	2.17E-09	3.57E-08
4599	498363.09	3859377.25	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.26E-08	7.67E-08	6.95E-08	3.17E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.55E-09	2.15E-09	3.53E-08
4600	471363.09	3859877.25	1.98E-05	2.43E-05	2.13E-05	6.86E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.07E-09	5.32E-09	0.00E+00	0.00E+00	2.20E-09	4.98E-10	3.16E-09	4.88E-10	4.12E-10	6.76E-09
4601	471863.09	3859877.25	2.09E-05	2.57E-05	2.25E-05	7.25E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.42E-09	5.63E-09	0.00E+00	0.00E+00	2.33E-09	5.27E-10	3.34E-09	5.16E-10	4.36E-10	7.15E-09
4602	472363.09	3859877.25	2.21E-05	2.70E-05	2.37E-05	7.64E-09	2.31E-08	1.34E-08	1.64E-08	1.48E-08	6.77E-09	5.93E-09	0.00E+00	0.00E+00	2.46E-09	5.55E-10	3.52E-09	5.43E-10	4.59E-10	7.54E-09
4603	472863.09	3859877.25	2.36E-05	2.89E-05	2.53E-05	8.16E-09	2.46E-08	1.43E-08	1.75E-08	1.58E-08	7.23E-09	6.34E-09	0.00E+00	0.00E+00	2.62E-09	5.93E-10	3.76E-09	5.80E-10	4.91E-10	8.05E-09
4604	473363.09	3859877.25	2.52E-05	3.09E-05	2.71E-05	8.72E-09	2.63E-08	1.52E-08	1.87E-08	1.69E-08	7.73E-09	6.77E-09	0.00E+00	0.00E+00	2.81E-09	6.34E-10	4.02E-09	6.20E-10	5.25E-10	8.61E-09
4605	473863.09	3859877.25	2.69E-05	3.29E-05	2.88E-05	9.29E-09	2.81E-08	1.62E-08	1.99E-08	1.80E-08	8.23E-09	7.22E-09	0.00E+00	0.00E+00	2.99E-09	6.75E-10	4.29E-09	6.61E-10	5.59E-10	9.17E-09
4606	474363.09	3859877.25	2.72E-05	3.33E-05	2.92E-05	9.42E-09	2.84E-08	1.65E-08	2.02E-08	1.83E-08	8.34E-09	7.31E-09	0.00E+00	0.00E+00	3.03E-09	6.84E-10	4.34E-09	6.70E-10	5.66E-10	9.29E-09
4607	474863.09	3859877.25	2.55E-05	3.13E-05	2.74E-05	8.84E-09	2.67E-08	1.54E-08	1.89E-08	1.71E-08	7.82E-09	6.86E-09	0.00E+00	0.00E+00	2.84E-09	6.42E-10	4.07E-09	6.28E-10	5.31E-10	8.72E-09
4608	475363.09	3859877.25	1.69E-05	2.08E-05	1.82E-05	5.86E-09	1.77E-08	1.03E-08	1.26E-08	1.14E-08	5.19E-09	4.55E-09	0.00E+00	0.00E+00	1.89E-09	4.26E-10	2.70E-09	4.17E-10	3.53E-10	5.79E-09
4609	475863.09	3859877.25	8.29E-06	1.01E-05	8.90E-06	2.87E-09	8.66E-09	5.01E-09	6.14E-09	5.57E-09	2.54E-09	2.23E-09	0.00E+00	0.00E+00	9.22E-10	2.08E-10	1.32E-09	2.04E-10	1.72E-10	2.83E-09
4610	476363.09	3859877.25	4.86E-06	5.96E-06	5.22E-06	1.68E-09	5.08E-09	2.94E-09	3.61E-09	3.27E-09	1.49E-09	1.31E-09	0.00E+00	0.00E+00	5.41E-10	1.22E-10	7.77E-10	1.20E-10	1.01E-10	1.66E-09
4611	476863.09	3859877.25	5.75E-06	7.04E-06	6.18E-06	1.99E-09	6.01E-09	3.48E-09	4.26E-09	3.86E-09	1.76E-09	1.55E-09	0.00E+00	0.00E+00	6.40E-10	1.45E-10	9.18E-10	1.42E-10	1.20E-10	1.96E-09
4612	477363.09	3859877.25	6.29E-06	7.70E-06	6.75E-06	2.18E-09	6.57E-09	3.80E-09	4.66E-09	4.22E-09	1.93E-09	1.69E-09	0.00E+00	0.00E+00	7.00E-10	1.58E-10	1.00E-09	1.55E-10	1.31E-10	2.15E-09
4613	477863.09	3859877.25	1.23E-05	1.50E-05	1.32E-05	4.25E-09	1.28E-08	7.42E-09	9.09E-09	8.24E-09	3.76E-09	3.30E-09	0.00E+00	0.00E+00	1.37E-09	3.09E-10	1.96E-09	3.02E-10	2.55E-10	4.19E-09
4614	478363.09	3859877.25	2.32E-05	2.85E-05	2.50E-05	8.04E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.12E-09	6.25E-09	0.00E+00	0.00E+00	2.59E-09	5.85E-10	3.71E-09	5.72E-10	4.84E-10	7.94E-09
4615	478863.09	3859877.25	3.70E-05	4.54E-05	3.98E-05	1.28E-08	3.87E-08	2.24E-08	2.75E-08	2.49E-08	1.14E-08	9.96E-09	0.00E+00	0.00E+00	4.12E-09	9.32E-10	5.91E-09	9.12E-10	7.71E-10	1.27E-08
4616	479363.09	3859877.25	4.98E-05	6.10E-05	5.35E-05	1.72E-08	5.21E-08	3.01E-08	3.69E-08	3.35E-08	1.53E-08	1.34E-08	0.00E+00	0.00E+00	5.54E-09	1.25E-09	7.95E-09	1.23E-09	1.04E-09	1.70E-08
4617	479863.09	3859877.25	5.80E-05	7.10E-05	6.23E-05	2.01E-08	6.06E-08	3.51E-08	4.30E-08	3.90E-08	1.78E-08	1.56E-08	0.00E+00	0.00E+00	6.46E-09	1.46E-09	9.26E-09	1.43E-09	1.21E-09	1.98E-08
4618	480363.09	3859877.25	6.44E-05	7.89E-05	6.92E-05	2.23E-08	6.74E-08	3.90E-08	4.78E-08	4.33E-08	1.98E-08	1.73E-08	0.00E+00	0.00E+00	7.17E-09	1.62E-09	1.03E-08	1.59E-09	1.34E-09	2.20E-08
4619	480863.09	3859877.25	6.99E-05	8.57E-05	7.51E-05	2.42E-08	7.31E-08	4.23E-08	5.18E-08	4.70E-08	2.14E-08	1.88E-08	0.00E+00	0.00E+00	7.78E-09	1.76E-09	1.12E-08	1.72E-09	1.46E-09	2.39E-08
4620	481363.09	3859877.25	7.60E-05	9.30E-05	8.15E-05	2.63E-08	7.94E-08	4.60E-08	5.63E-08	5.10E-08	2.33E-08	2.04E-08	0.00E+00	0.00E+00	8.45E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.59E-08
4621	481863.09	3859877.25	8.21E-05	1.01E-04	8.81E-05	2.84E-08	8.58E-08	4.97E-08	6.08E-08	5.51E-08	2.52E-08	2.20E-08	0.00E+00	0.00E+00	9.13E-09	2.06E-09	1.31E-08	2.02E-09	1.71E-09	2.80E-08
4622	482363.09	3859877.25	8.81E-05	1.08E-04	9.46E-05	3.05E-08	9.21E-08	5.33E-08	6.53E-08	5.92E-08	2.70E-08	2.37E-08	0.00E+00	0.00E+00	9.81E-09	2.22E-09	1.41E-08	2.17E-09	1.83E-09	3.01E-08
4623	482863.09	3859877.25	9.49E-05	1.16E-04	1.02E-04	3.28E-08	9.91E-08	5.74E-08	7.03E-08	6.37E-08	2.91E-08	2.55E-08	0.00E+00	0.00E+00	1.06E-08	2.39E-09	1.51E-08	2.33E-09	1.97E-09	3.24E-08
4624	483363.09	3859877.25	1.02E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.14E-08	7.52E-08	6.82E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.47E-08
4625	483863.09	3859877.25	1.03E-04	1.26E-04	1.11E-04	3.56E-08	1.08E-07	6.22E-08	7.62E-08	6.91E-08	3.15E-08	2.77E-08	0.00E+00	0.00E+00	1.15E-08	2.59E-09	1.64E-08	2.53E-09	2.14E-09	3.51E-08
4626	484363.09	3859877.25	1.08E-04	1.32E-04	1.16E-04	3.73E-08	1.13E-07	6.53E-08	7.99E-08	7.25E-08	3.31E-08	2.90E-08	0.00E+00	0.00E+00	1.20E-08	2.71E-09	1.72E-08	2.65E-09	2.25E-09	3.68E-08
4627	484863.09	3859877.25	1.14E-04	1.40E-04	1.23E-04	3.96E-08	1.20E-07	6.92E-08	8.48E-08	7.69E-08	3.51E-08	3.08E-08	0.00E+00	0.00E+00	1.27E-08	2.88E-09	1.83E-08	2.82E-09	2.38E-09	3.91E-08
4628	485363.09	3859877.25	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.26E-07	7.32E-08	8.96E-08	8.12E-08	3.71E-08	3.25E-08	0.00E+00	0.00E+00	1.35E-08	3.04E-09	1.93E-08	2.98E-09	2.52E-09	4.13E-08
4629	485863.09	3859877.25	1.27E-04	1.55E-04	1.36E-04	4.39E-08	1.32E-07	7.67E-08	9.39E-08	8.51E-08	3.88E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.19E-09	2.02E-08	3.12E-09	2.64E-09	4.33E-08
4630	486363.09	3859877.25	1.31E-04	1.61E-04	1.41E-04	4.54E-08	1.37E-07	7.94E-08	9.72E-08	8.81E-08	4.02E-08	3.53E-08	0.00E+00	0.00E+00	1.46E-08	3.30E-09	2.09E-08	3.23E-09	2.73E-09	4.48E-08
4631	486863.09	3859877.25	1.36E-04	1.66E-04	1.46E-04	4.70E-08	1.42E-07	8.22E-08	1.01E-07	9.13E-08	4.17E-08	3.65E-08	0.00E+00	0.00E+00	1.51E-08	3.42E-09	2.17E-08	3.35E-09	2.83E-09	4.64E-08
4632	487363.09	3859877.25	1.38E-04	1.69E-04	1.48E-04	4.78E-08	1.44E-07	8.35E-08	1.02E-07	9.27E-08	4.23E-08	3.71E-08	0.00E+00	0.00E+00	1.54E-08	3.47E-09	2.20E-08	3.40E-09	2.87E-09	4.71E-08
4633	487863.09	3859877.25	1.47E-04	1.80E-04	1.58E-04	5.08E-08	1.53E-07	8.87E-08	1.09E-07	9.85E-08	4.50E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.69E-09	2.34E-08	3.61E-09	3.05E-09	5.01E-08

4634	488363.09	3859877.25	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.95E-08	1.10E-07	9.94E-08	4.53E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.05E-08
4635	488863.09	3859877.25	1.52E-04	1.86E-04	1.63E-04	5.26E-08	1.59E-07	9.20E-08	1.13E-07	1.02E-07	4.66E-08	4.09E-08	0.00E+00	0.00E+00	1.69E-08	3.82E-09	2.43E-08	3.74E-09	3.17E-09	5.19E-08
4636	489363.09	3859877.25	1.57E-04	1.92E-04	1.68E-04	5.42E-08	1.64E-07	9.48E-08	1.16E-07	1.05E-07	4.80E-08	4.21E-08	0.00E+00	0.00E+00	1.74E-08	3.94E-09	2.50E-08	3.86E-09	3.26E-09	5.35E-08
4637	489863.09	3859877.25	1.57E-04	1.93E-04	1.69E-04	5.45E-08	1.64E-07	9.52E-08	1.17E-07	1.06E-07	4.82E-08	4.23E-08	0.00E+00	0.00E+00	1.75E-08	3.96E-09	2.51E-08	3.87E-09	3.27E-09	5.37E-08
4638	490363.09	3859877.25	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.95E-08	1.10E-07	9.94E-08	4.53E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.05E-08
4639	490863.09	3859877.25	1.49E-04	1.82E-04	1.60E-04	5.15E-08	1.56E-07	9.01E-08	1.10E-07	1.00E-07	4.56E-08	4.00E-08	0.00E+00	0.00E+00	1.66E-08	3.75E-09	2.38E-08	3.67E-09	3.10E-09	5.09E-08
4640	491363.09	3859877.25	1.48E-04	1.82E-04	1.59E-04	5.14E-08	1.55E-07	8.98E-08	1.10E-07	9.98E-08	4.55E-08	3.99E-08	0.00E+00	0.00E+00	1.65E-08	3.74E-09	2.37E-08	3.66E-09	3.09E-09	5.07E-08
4641	491863.09	3859877.25	1.48E-04	1.82E-04	1.59E-04	5.14E-08	1.55E-07	8.98E-08	1.10E-07	9.97E-08	4.55E-08	3.99E-08	0.00E+00	0.00E+00	1.65E-08	3.73E-09	2.37E-08	3.65E-09	3.09E-09	5.07E-08
4642	492363.09	3859877.25	1.47E-04	1.80E-04	1.58E-04	5.09E-08	1.54E-07	8.89E-08	1.09E-07	9.87E-08	4.51E-08	3.95E-08	0.00E+00	0.00E+00	1.64E-08	3.70E-09	2.35E-08	3.62E-09	3.06E-09	5.02E-08
4643	492863.09	3859877.25	1.44E-04	1.76E-04	1.54E-04	4.98E-08	1.50E-07	8.70E-08	1.07E-07	9.66E-08	4.41E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	2.99E-09	4.91E-08
4644	493363.09	3859877.25	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.41E-08	1.03E-07	9.34E-08	4.26E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.42E-09	2.89E-09	4.75E-08
4645	493863.09	3859877.25	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.39E-07	8.07E-08	9.89E-08	8.96E-08	4.09E-08	3.58E-08	0.00E+00	0.00E+00	1.48E-08	3.36E-09	2.13E-08	3.28E-09	2.77E-09	4.56E-08
4646	494363.09	3859877.25	1.27E-04	1.56E-04	1.36E-04	4.40E-08	1.33E-07	7.69E-08	9.41E-08	8.53E-08	3.89E-08	3.41E-08	0.00E+00	0.00E+00	1.41E-08	3.20E-09	2.03E-08	3.13E-09	2.64E-09	4.34E-08
4647	494863.09	3859877.25	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.01E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
4648	495363.09	3859877.25	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.02E-08	8.59E-08	7.79E-08	3.55E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.85E-09	2.41E-09	3.96E-08
4649	495863.09	3859877.25	1.10E-04	1.35E-04	1.18E-04	3.81E-08	1.15E-07	6.67E-08	8.17E-08	7.40E-08	3.38E-08	2.96E-08	0.00E+00	0.00E+00	1.23E-08	2.77E-09	1.76E-08	2.71E-09	2.29E-09	3.76E-08
4650	496363.09	3859877.25	1.02E-04	1.25E-04	1.10E-04	3.54E-08	1.07E-07	6.18E-08	7.57E-08	6.87E-08	3.13E-08	2.75E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.52E-09	2.13E-09	3.49E-08
4651	496863.09	3859877.25	8.24E-05	1.01E-04	8.85E-05	2.85E-08	8.61E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.21E-08	0.00E+00	0.00E+00	9.17E-09	2.07E-09	1.32E-08	2.03E-09	1.71E-09	2.81E-08
4652	497363.09	3859877.25	9.27E-05	1.14E-04	9.95E-05	3.21E-08	9.69E-08	5.61E-08	6.87E-08	6.23E-08	2.84E-08	2.49E-08	0.00E+00	0.00E+00	1.03E-08	2.33E-09	1.48E-08	2.28E-09	1.93E-09	3.17E-08
4653	497863.09	3859877.25	9.58E-05	1.17E-04	1.03E-04	3.32E-08	1.00E-07	5.80E-08	7.10E-08	6.44E-08	2.94E-08	2.57E-08	0.00E+00	0.00E+00	1.07E-08	2.41E-09	1.53E-08	2.36E-09	1.99E-09	3.27E-08
4654	498363.09	3859877.25	9.25E-05	1.13E-04	9.92E-05	3.20E-08	9.66E-08	5.59E-08	6.85E-08	6.21E-08	2.83E-08	2.48E-08	0.00E+00	0.00E+00	1.03E-08	2.33E-09	1.48E-08	2.28E-09	1.92E-09	3.16E-08
4655	471363.09	3860377.25	1.99E-05	2.43E-05	2.13E-05	6.88E-09	2.08E-08	1.20E-08	1.47E-08	1.33E-08	6.09E-09	5.34E-09	0.00E+00	0.00E+00	2.21E-09	5.00E-10	3.17E-09	4.89E-10	4.14E-10	6.79E-09
4656	471863.09	3860377.25	2.10E-05	2.57E-05	2.25E-05	7.26E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.43E-09	5.64E-09	0.00E+00	0.00E+00	2.33E-09	5.27E-10	3.35E-09	5.16E-10	4.37E-10	7.16E-09
4657	472363.09	3860377.25	2.23E-05	2.73E-05	2.39E-05	7.70E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.82E-09	5.98E-09	0.00E+00	0.00E+00	2.48E-09	5.60E-10	3.55E-09	5.48E-10	4.63E-10	7.60E-09
4658	472863.09	3860377.25	2.37E-05	2.91E-05	2.55E-05	8.22E-09	2.48E-08	1.44E-08	1.76E-08	1.60E-08	7.28E-09	6.38E-09	0.00E+00	0.00E+00	2.64E-09	5.97E-10	3.79E-09	5.84E-10	4.94E-10	8.11E-09
4659	473363.09	3860377.25	2.52E-05	3.09E-05	2.71E-05	8.74E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.74E-09	6.79E-09	0.00E+00	0.00E+00	2.81E-09	6.35E-10	4.03E-09	6.21E-10	5.25E-10	8.62E-09
4660	473863.09	3860377.25	2.67E-05	3.27E-05	2.87E-05	9.24E-09	2.79E-08	1.61E-08	1.98E-08	1.79E-08	8.18E-09	7.17E-09	0.00E+00	0.00E+00	2.97E-09	6.71E-10	4.26E-09	6.57E-10	5.55E-10	9.12E-09
4661	474363.09	3860377.25	2.78E-05	3.40E-05	2.98E-05	9.62E-09	2.90E-08	1.68E-08	2.06E-08	1.87E-08	8.52E-09	7.47E-09	0.00E+00	0.00E+00	3.09E-09	6.99E-10	4.43E-09	6.84E-10	5.78E-10	9.49E-09
4662	474863.09	3860377.25	2.82E-05	3.45E-05	3.03E-05	9.75E-09	2.94E-08	1.70E-08	2.09E-08	1.89E-08	8.64E-09	7.58E-09	0.00E+00	0.00E+00	3.14E-09	7.09E-10	4.50E-09	6.94E-10	5.87E-10	9.62E-09
4663	475363.09	3860377.25	2.65E-05	3.25E-05	2.85E-05	9.19E-09	2.77E-08	1.61E-08	1.97E-08	1.78E-08	8.14E-09	7.14E-09	0.00E+00	0.00E+00	2.95E-09	6.68E-10	4.24E-09	6.53E-10	5.53E-10	9.07E-09
4664	475863.09	3860377.25	2.33E-05	2.85E-05	2.50E-05	8.07E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.14E-09	6.27E-09	0.00E+00	0.00E+00	2.59E-09	5.86E-10	3.72E-09	5.74E-10	4.85E-10	7.96E-09
4665	476363.09	3860377.25	1.87E-05	2.30E-05	2.01E-05	6.49E-09	1.96E-08	1.13E-08	1.39E-08	1.26E-08	5.75E-09	5.04E-09	0.00E+00	0.00E+00	2.09E-09	4.72E-10	2.99E-09	4.61E-10	3.90E-10	6.40E-09
4666	476863.09	3860377.25	1.71E-05	2.09E-05	1.83E-05	5.90E-09	1.78E-08	1.03E-08	1.26E-08	1.15E-08	5.23E-09	4.59E-09	0.00E+00	0.00E+00	1.90E-09	4.29E-10	2.72E-09	4.20E-10	3.55E-10	5.83E-09
4667	477363.09	3860377.25	9.92E-06	1.22E-05	1.07E-05	3.43E-09	1.04E-08	6.00E-09	7.35E-09	6.67E-09	3.04E-09	2.67E-09	0.00E+00	0.00E+00	1.10E-09	2.50E-10	1.58E-09	2.44E-10	2.06E-10	3.39E-09
4668	477863.09	3860377.25	1.30E-05	1.59E-05	1.40E-05	4.50E-09	1.36E-08	7.87E-09	9.63E-09	8.73E-09	3.99E-09	3.49E-09	0.00E+00	0.00E+00	1.45E-09	3.27E-10	2.08E-09	3.20E-10	2.71E-10	4.44E-09
4669	478363.09	3860377.25	2.54E-05	3.11E-05	2.73E-05	8.79E-09	2.65E-08	1.54E-08	1.88E-08	1.71E-08	7.78E-09	6.83E-09	0.00E+00	0.00E+00	2.83E-09	6.39E-10	4.05E-09	6.25E-10	5.29E-10	8.67E-09
4670	478863.09	3860377.25	3.64E-05	4.46E-05	3.91E-05	1.26E-08	3.81E-08	2.20E-08	2.70E-08	2.45E-08	1.12E-08	9.79E-09	0.00E+00	0.00E+00	4.05E-09	9.16E-10	5.81E-09	8.97E-10	7.58E-10	1.24E-08
4671	479363.09	3860377.25	4.67E-05	5.72E-05	5.02E-05	1.62E-08	4.88E-08	2.83E-08	3.46E-08	3.14E-08	1.43E-08	1.26E-08	0.00E+00	0.00E+00	5.20E-09	1.18E-09	7.46E-09	1.15E-09	9.73E-10	1.60E-08
4672	479863.09	3860377.25	5.39E-05	6.60E-05	5.79E-05	1.87E-08	5.63E-08	3.26E-08	3.99E-08	3.62E-08	1.65E-08	1.45E-08	0.00E+00	0.00E+00	6.00E-09	1.36E-09	8.60E-09	1.33E-09	1.12E-09	1.84E-08
4673	480363.09	3860377.25	5.87E-05	7.18E-05	6.30E-05	2.03E-08	6.13E-08	3.55E-08	4.35E-08	3.94E-08	1.80E-08	1.58E-08	0.00E+00	0.00E+00	6.53E-09	1.48E-09	9.36E-09	1.44E-09	1.22E-09	2.00E-08
4674	480863.09	3860377.25	6.31E-05	7.72E-05	6.77E-05	2.18E-08	6.59E-08	3.82E-08	4.67E-08	4.24E-08	1.93E-08	1.69E-08	0.00E+00	0.00E+00	7.02E-09	1.59E-09	1.01E-08	1.55E-09	1.31E-09	2.15E-08
4675	481363.09	3860377.25	6.78E-05	8.30E-05	7.27E-05	2.35E-08	7.08E-08	4.10E-08	5.02E-08	4.55E-08	2.08E-08	1.82E-08	0.00E+00	0.00E+00	7.54E-09	1.70E-09	1.08E-08	1.67E-09	1.41E-09	2.31E-08
4676	481863.09	3860377.25	7.23E-05	8.85E-05	7.76E-05	2.50E-08	7.55E-08	4.37E-08	5.36E-08	4.86E-08	2.22E-08	1.94E-08	0.00E+00	0.00E+00	8.05E-09	1.82E-09	1.15E-08	1.78E-09	1.50E-09	2.47E-08
4677	482363.09	3860377.25	7.69E-05	9.42E-05	8.26E-05	2.66E-08	8.04E-08	4.65E-08	5.70E-08	5.17E-08	2.36E-08	2.07E-08	0.00E+00	0.00E+00	8.56E-09	1.93E-09	1.23E-08	1.89E-09	1.60E-09	2.63E-08
4678	482863.09	3860377.25	8.22E-05	1.01E-04	8.83E-05	2.84E-08	8.59E-08	4.97E-08	6.09E-08	5.52E-08	2.52E-08	2.21E-08	0.00E+00	0.00E+00	9.14E-09	2.07E-09	1.31E-08	2.02E-09	1.71E-09	2.81E-08
4679	483363.09	3860377.25	8.66E-05	1.06E-04	9.30E-05	3.00E-08	9.05E-08	5.24E-08	6.42E-08	5.82E-08	2.65E-08	2.33E-08	0.00E+00	0.00E+00	9.64E-09	2.18E-09	1.38E-08	2.13E-09	1.80E-09	2.96E-08
4680	483863.09	3860377.25	9.16E-05	1.12E-04	9.84E-05	3.17E-08	9.57E-08	5.54E-08	6.79E-08	6.15E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.91E-09	3.13E-08
4681	484363.09	3860377.25	9.20E-05	1.13E-04	9.89E-05	3.19E-08	9.62E-08	5.57E-08	6.82E-08	6.18E-08	2.82E-08	2.47E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.47E-08	2.27E-09	1.92E-09	3.14E-08
4682	484863.09	3860377.25	9.57E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.07E-08	2.41E-09	1.53E-08	2.36E-09	1.99E-09	3.27E-08
4683	485363.09	3860377.25	9.89E-05	1.21E-04	1.06E-04	3.42E-08	1.03E-07	5.99E-08	7.33E-08	6.65E-08	3.03E-08	2.66E-08	0.00E+00	0.00E+00	1.10E-08	2.49E-09	1.58E-08	2.43E-09	2.06E-09	3.38E-08
4684	485863.09	3860377.25	1.02E-04	1.25E-04	1.10E-04	3.53E-08	1.07E-07	6.17E-08	7.56E-08	6.85E-08	3.13E-08	2.74E-08	0.00E+00	0.00E+00	1.14E-08	2.57E-09	1.63E-08	2.51E-09	2.12E-09	3.48E-08
4685	486363.09	3860377.25	1.03E-04	1.27E-04	1.11E-04	3.58E-08	1.08E-07	6.26E-08	7.66E-08	6.95E-08	3.17E-08	2.78E-08	0.00E+00	0.00E+00	1.15E-08	2.60E-09	1.65E-08	2.55E-09	2.15E-09	3.53E-08
4686	486863.09	3860377.25	1.05E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.76E-08	7.03E-08	3.21E-08	2.81E-08	0.00E+00	0.00E+00	1.16E-08	2.63E-09	1.67E-08	2.58E-09	2.18E-09	3.57E-08
4687	487363.09	3860377.25	1.05E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.38E-08	7.81E-08	7.08E-08	3.23E-08	2.84E-08	0.00E+00	0.00E+00	1.17E-08	2.65E-09	1.68E-08	2.60E-09	2.20E-09	3.60E-08
4688	487863.09	3860377.25	1.08E-04	1.33E-04	1.17E-04	3.75E-08	1.13E-07	6.56E-08	8.04E-08	7.29E-08	3.32E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.70E-08
4689	488363.09	3860377.25	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.09E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
4690	488863.09	3860377.25	1.10E-04	1.35E-04	1.19E-04	3.82E-08	1.15E-07	6.68E-08	8.18E-08	7.41E-08	3.38E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.76E-08	2.72E-09	2.30E-09	3.77E-08
4691	489363.09	3860377.25	1.13E-04	1.38E-04	1.21E-04	3.90E-08	1.18E-07	6.81E-08	8.35E-08	7.57E-08	3.45E-08	3.03E-08	0.00E+00	0.00E+00	1.25E-08	2.83E-09	1.80E-08	2.77E-09	2.34E-09	3.85E-08

4692	489863.09	3860377.25	1.16E-04	1.42E-04	1.24E-04	4.01E-08	1.21E-07	7.00E-08	8.58E-08	7.77E-08	3.55E-08	3.11E-08	0.00E+00	0.00E+00	1.29E-08	2.91E-09	1.85E-08	2.85E-09	2.41E-09	3.95E-08
4693	490363.09	3860377.25	1.15E-04	1.41E-04	1.24E-04	3.99E-08	1.21E-07	6.98E-08	8.55E-08	7.75E-08	3.54E-08	3.10E-08	0.00E+00	0.00E+00	1.28E-08	2.90E-09	1.84E-08	2.84E-09	2.40E-09	3.94E-08
4694	490863.09	3860377.25	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.09E-08	7.34E-08	3.35E-08	2.93E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
4695	491363.09	3860377.25	1.05E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.76E-08	7.03E-08	3.21E-08	2.81E-08	0.00E+00	0.00E+00	1.17E-08	2.63E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
4696	491863.09	3860377.25	1.06E-04	1.29E-04	1.13E-04	3.65E-08	1.10E-07	6.39E-08	7.82E-08	7.09E-08	3.24E-08	2.84E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.68E-08	2.60E-09	2.20E-09	3.61E-08
4697	492363.09	3860377.25	1.09E-04	1.33E-04	1.17E-04	3.77E-08	1.14E-07	6.59E-08	8.08E-08	7.32E-08	3.34E-08	2.93E-08	0.00E+00	0.00E+00	1.21E-08	2.74E-09	1.74E-08	2.68E-09	2.27E-09	3.72E-08
4698	492863.09	3860377.25	1.10E-04	1.34E-04	1.18E-04	3.79E-08	1.14E-07	6.63E-08	8.12E-08	7.36E-08	3.36E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.76E-09	1.75E-08	2.70E-09	2.28E-09	3.74E-08
4699	493363.09	3860377.25	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.31E-09	3.79E-08
4700	493863.09	3860377.25	1.09E-04	1.33E-04	1.17E-04	3.76E-08	1.14E-07	6.57E-08	8.05E-08	7.30E-08	3.33E-08	2.92E-08	0.00E+00	0.00E+00	1.21E-08	2.73E-09	1.73E-08	2.67E-09	2.26E-09	3.71E-08
4701	494363.09	3860377.25	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.46E-08	7.91E-08	7.17E-08	3.27E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.70E-08	2.63E-09	2.22E-09	3.65E-08
4702	494863.09	3860377.25	1.03E-04	1.26E-04	1.11E-04	3.56E-08	1.08E-07	6.23E-08	7.63E-08	6.92E-08	3.16E-08	2.77E-08	0.00E+00	0.00E+00	1.15E-08	2.59E-09	1.64E-08	2.53E-09	2.14E-09	3.52E-08
4703	495363.09	3860377.25	9.99E-05	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.04E-08	7.40E-08	6.71E-08	3.06E-08	2.68E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.46E-09	2.08E-09	3.41E-08
4704	495863.09	3860377.25	9.64E-05	1.18E-04	1.03E-04	3.34E-08	1.01E-07	5.83E-08	7.15E-08	6.48E-08	2.96E-08	2.59E-08	0.00E+00	0.00E+00	1.07E-08	2.43E-09	1.54E-08	2.37E-09	2.01E-09	3.29E-08
4705	496363.09	3860377.25	9.18E-05	1.12E-04	9.85E-05	3.18E-08	9.59E-08	5.55E-08	6.80E-08	6.17E-08	2.81E-08	2.47E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.47E-08	2.26E-09	1.91E-09	3.13E-08
4706	496863.09	3860377.25	8.65E-05	1.06E-04	9.29E-05	2.99E-08	9.04E-08	5.23E-08	6.41E-08	5.81E-08	2.65E-08	2.32E-08	0.00E+00	0.00E+00	9.63E-09	2.18E-09	1.38E-08	2.13E-09	1.80E-09	2.95E-08
4707	497363.09	3860377.25	7.95E-05	9.74E-05	8.53E-05	2.75E-08	8.31E-08	4.81E-08	5.89E-08	5.34E-08	2.44E-08	2.14E-08	0.00E+00	0.00E+00	8.85E-09	2.00E-09	1.27E-08	1.96E-09	1.65E-09	2.72E-08
4708	497863.09	3860377.25	8.33E-05	1.02E-04	8.94E-05	2.88E-08	8.71E-08	5.04E-08	6.17E-08	5.60E-08	2.55E-08	2.24E-08	0.00E+00	0.00E+00	9.27E-09	2.10E-09	1.33E-08	2.05E-09	1.73E-09	2.84E-08
4709	498363.09	3860377.25	8.17E-05	1.00E-04	8.77E-05	2.83E-08	8.54E-08	4.94E-08	6.06E-08	5.49E-08	2.51E-08	2.20E-08	0.00E+00	0.00E+00	9.10E-09	2.06E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
4710	471363.09	3860877.25	1.99E-05	2.44E-05	2.14E-05	6.90E-09	2.08E-08	1.21E-08	1.48E-08	1.34E-08	6.11E-09	5.36E-09	0.00E+00	0.00E+00	2.22E-09	5.01E-10	3.18E-09	4.91E-10	4.15E-10	6.81E-09
4711	471863.09	3860877.25	2.11E-05	2.58E-05	2.26E-05	7.30E-09	2.20E-08	1.28E-08	1.56E-08	1.42E-08	6.46E-09	5.67E-09	0.00E+00	0.00E+00	2.35E-09	5.30E-10	3.37E-09	5.19E-10	4.39E-10	7.20E-09
4712	472363.09	3860877.25	2.23E-05	2.73E-05	2.39E-05	7.71E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.83E-09	5.99E-09	0.00E+00	0.00E+00	2.48E-09	5.60E-10	3.56E-09	5.48E-10	4.63E-10	7.61E-09
4713	472863.09	3860877.25	2.35E-05	2.88E-05	2.53E-05	8.15E-09	2.46E-08	1.42E-08	1.75E-08	1.58E-08	7.22E-09	6.33E-09	0.00E+00	0.00E+00	2.62E-09	5.92E-10	3.76E-09	5.80E-10	4.90E-10	8.04E-09
4714	473363.09	3860877.25	2.48E-05	3.03E-05	2.66E-05	8.57E-09	2.59E-08	1.50E-08	1.84E-08	1.66E-08	7.59E-09	6.66E-09	0.00E+00	0.00E+00	2.76E-09	6.23E-10	3.95E-09	6.10E-10	5.16E-10	8.46E-09
4715	473863.09	3860877.25	2.59E-05	3.17E-05	2.78E-05	8.97E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.94E-09	6.97E-09	0.00E+00	0.00E+00	2.88E-09	6.52E-10	4.14E-09	6.38E-10	5.39E-10	8.85E-09
4716	474363.09	3860877.25	2.71E-05	3.31E-05	2.91E-05	9.36E-09	2.83E-08	1.64E-08	2.00E-08	1.82E-08	8.29E-09	7.27E-09	0.00E+00	0.00E+00	3.01E-09	6.81E-10	4.32E-09	6.66E-10	5.63E-10	9.24E-09
4717	474863.09	3860877.25	2.83E-05	3.47E-05	3.04E-05	9.80E-09	2.96E-08	1.71E-08	2.10E-08	1.90E-08	8.68E-09	7.62E-09	0.00E+00	0.00E+00	3.15E-09	7.12E-10	4.52E-09	6.97E-10	5.90E-10	9.67E-09
4718	475363.09	3860877.25	2.91E-05	3.57E-05	3.13E-05	1.01E-08	3.05E-08	1.76E-08	2.16E-08	1.96E-08	8.94E-09	7.84E-09	0.00E+00	0.00E+00	3.24E-09	7.33E-10	4.65E-09	7.18E-10	6.07E-10	9.96E-09
4719	475863.09	3860877.25	2.93E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.97E-08	8.97E-09	7.87E-09	0.00E+00	0.00E+00	3.26E-09	7.36E-10	4.67E-09	7.20E-10	6.09E-10	9.99E-09
4720	476363.09	3860877.25	2.81E-05	3.44E-05	3.01E-05	9.71E-09	2.93E-08	1.70E-08	2.08E-08	1.89E-08	8.60E-09	7.54E-09	0.00E+00	0.00E+00	3.12E-09	7.06E-10	4.48E-09	6.91E-10	5.84E-10	9.58E-09
4721	476863.09	3860877.25	2.78E-05	3.41E-05	2.99E-05	9.63E-09	2.91E-08	1.68E-08	2.06E-08	1.87E-08	8.53E-09	7.47E-09	0.00E+00	0.00E+00	3.10E-09	7.00E-10	4.44E-09	6.85E-10	5.79E-10	9.50E-09
4722	477363.09	3860877.25	2.90E-05	3.55E-05	3.11E-05	1.00E-08	3.03E-08	1.75E-08	2.15E-08	1.95E-08	8.89E-09	7.79E-09	0.00E+00	0.00E+00	3.23E-09	7.29E-10	4.63E-09	7.14E-10	6.03E-10	9.90E-09
4723	477863.09	3860877.25	2.61E-05	3.19E-05	2.80E-05	9.02E-09	2.72E-08	1.58E-08	1.93E-08	1.75E-08	7.99E-09	7.01E-09	0.00E+00	0.00E+00	2.90E-09	6.56E-10	4.16E-09	6.41E-10	5.42E-10	8.90E-09
4724	478363.09	3860877.25	1.58E-05	1.93E-05	1.70E-05	5.46E-09	1.65E-08	9.54E-09	1.17E-08	1.06E-08	4.84E-09	4.24E-09	0.00E+00	0.00E+00	1.76E-09	3.97E-10	2.52E-09	3.88E-10	3.29E-10	5.39E-09
4725	478863.09	3860877.25	3.36E-05	4.12E-05	3.61E-05	1.16E-08	3.51E-08	2.03E-08	2.49E-08	2.26E-08	1.03E-08	9.04E-09	0.00E+00	0.00E+00	3.74E-09	8.46E-10	5.37E-09	8.28E-10	7.00E-10	1.15E-08
4726	479363.09	3860877.25	4.37E-05	5.35E-05	4.69E-05	1.51E-08	4.57E-08	2.64E-08	3.24E-08	2.94E-08	1.34E-08	1.17E-08	0.00E+00	0.00E+00	4.87E-09	1.10E-09	6.98E-09	1.08E-09	9.09E-10	1.49E-08
4727	479863.09	3860877.25	4.95E-05	6.06E-05	5.31E-05	1.71E-08	5.17E-08	2.99E-08	3.67E-08	3.32E-08	1.52E-08	1.33E-08	0.00E+00	0.00E+00	5.51E-09	1.24E-09	7.90E-09	1.22E-09	1.03E-09	1.69E-08
4728	480363.09	3860877.25	5.33E-05	6.53E-05	5.72E-05	1.85E-08	5.57E-08	3.23E-08	3.95E-08	3.58E-08	1.63E-08	1.43E-08	0.00E+00	0.00E+00	5.93E-09	1.34E-09	8.51E-09	1.31E-09	1.11E-09	1.82E-08
4729	480863.09	3860877.25	5.70E-05	6.98E-05	6.12E-05	1.97E-08	5.96E-08	3.45E-08	4.22E-08	3.83E-08	1.75E-08	1.53E-08	0.00E+00	0.00E+00	6.34E-09	1.43E-09	9.10E-09	1.40E-09	1.19E-09	1.95E-08
4730	481363.09	3860877.25	6.05E-05	7.42E-05	6.50E-05	2.10E-08	6.33E-08	3.66E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	0.00E+00	0.00E+00	6.74E-09	1.52E-09	9.66E-09	1.49E-09	1.26E-09	2.07E-08
4731	481863.09	3860877.25	6.40E-05	7.84E-05	6.87E-05	2.21E-08	6.69E-08	3.87E-08	4.74E-08	4.30E-08	1.96E-08	1.72E-08	0.00E+00	0.00E+00	7.12E-09	1.61E-09	1.02E-08	1.57E-09	1.33E-09	2.19E-08
4732	482363.09	3860877.25	6.75E-05	8.26E-05	7.25E-05	2.34E-08	7.05E-08	4.08E-08	5.00E-08	4.53E-08	2.07E-08	1.81E-08	0.00E+00	0.00E+00	7.51E-09	1.70E-09	1.08E-08	1.66E-09	1.40E-09	2.30E-08
4733	482863.09	3860877.25	7.16E-05	8.77E-05	7.70E-05	2.48E-08	7.49E-08	4.33E-08	5.31E-08	4.81E-08	2.20E-08	1.93E-08	0.00E+00	0.00E+00	7.97E-09	1.80E-09	1.14E-08	1.76E-09	1.49E-09	2.45E-08
4734	483363.09	3860877.25	7.54E-05	9.24E-05	8.11E-05	2.61E-08	7.89E-08	4.56E-08	5.59E-08	5.07E-08	2.31E-08	2.03E-08	0.00E+00	0.00E+00	8.40E-09	1.90E-09	1.20E-08	1.86E-09	1.57E-09	2.58E-08
4735	483863.09	3860877.25	7.89E-05	9.66E-05	8.48E-05	2.73E-08	8.25E-08	4.77E-08	5.85E-08	5.30E-08	2.42E-08	2.12E-08	0.00E+00	0.00E+00	8.78E-09	1.98E-09	1.26E-08	1.94E-09	1.64E-09	2.69E-08
4736	484363.09	3860877.25	8.06E-05	9.87E-05	8.66E-05	2.79E-08	8.43E-08	4.88E-08	5.97E-08	5.41E-08	2.47E-08	2.17E-08	0.00E+00	0.00E+00	8.97E-09	2.03E-09	1.29E-08	1.98E-09	1.68E-09	2.75E-08
4737	484863.09	3860877.25	8.04E-05	9.85E-05	8.64E-05	2.78E-08	8.40E-08	4.86E-08	5.96E-08	5.40E-08	2.46E-08	2.16E-08	0.00E+00	0.00E+00	8.95E-09	2.02E-09	1.28E-08	1.98E-09	1.67E-09	2.75E-08
4738	485363.09	3860877.25	8.25E-05	1.01E-04	8.86E-05	2.85E-08	8.62E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.18E-09	2.07E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
4739	485863.09	3860877.25	8.52E-05	1.04E-04	9.15E-05	2.95E-08	8.91E-08	5.16E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.48E-09	2.14E-09	1.36E-08	2.10E-09	1.77E-09	2.91E-08
4740	486363.09	3860877.25	8.49E-05	1.04E-04	9.12E-05	2.94E-08	8.88E-08	5.14E-08	6.29E-08	5.71E-08	2.60E-08	2.28E-08	0.00E+00	0.00E+00	9.45E-09	2.14E-09	1.36E-08	2.09E-09	1.77E-09	2.90E-08
4741	486863.09	3860877.25	8.51E-05	1.04E-04	9.14E-05	2.95E-08	8.89E-08	5.15E-08	6.31E-08	5.72E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.47E-09	2.14E-09	1.36E-08	2.09E-09	1.77E-09	2.91E-08
4742	487363.09	3860877.25	8.47E-05	1.04E-04	9.10E-05	2.93E-08	8.85E-08	5.12E-08	6.27E-08	5.69E-08	2.60E-08	2.28E-08	0.00E+00	0.00E+00	9.42E-09	2.13E-09	1.35E-08	2.08E-09	1.76E-09	2.89E-08
4743	487863.09	3860877.25	8.44E-05	1.03E-04	9.06E-05	2.92E-08	8.82E-08	5.10E-08	6.25E-08	5.67E-08	2.59E-08	2.27E-08	0.00E+00	0.00E+00	9.39E-09	2.12E-09	1.35E-08	2.08E-09	1.76E-09	2.88E-08
4744	488363.09	3860877.25	8.72E-05	1.07E-04	9.37E-05	3.02E-08	9.11E-08	5.28E-08	6.46E-08	5.86E-08	2.67E-08	2.34E-08	0.00E+00	0.00E+00	9.71E-09	2.19E-09	1.39E-08	2.15E-09	1.82E-09	2.98E-08
4745	488863.09	3860877.25	8.56E-05	1.05E-04	9.19E-05	2.96E-08	8.94E-08	5.18E-08	6.34E-08	5.75E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.52E-09	2.15E-09	1.37E-08	2.11E-09	1.78E-09	2.92E-08
4746	489363.09	3860877.25	8.87E-05	1.09E-04	9.53E-05	3.07E-08	9.27E-08	5.37E-08	6.58E-08	5.96E-08	2.72E-08	2.39E-08	0.00E+00	0.00E+00	9.88E-09	2.23E-09	1.42E-08	2.18E-09	1.85E-09	3.03E-08
4747	489863.09	3860877.25	8.76E-05	1.07E-04	9.41E-05	3.03E-08	9.16E-08	5.30E-08	6.49E-08	5.89E-08	2.69E-08	2.36E-08	0.00E+00	0.00E+00	9.76E-09	2.20E-09	1.40E-08	2.16E-09	1.82E-09	2.99E-08
4748	490363.09	3860877.25	8.92E-05	1.09E-04	9.58E-05	3.09E-08	9.32E-08	5.40E-08	6.61E-08	5.99E-08	2.73E-08	2.40E-08	0.00E+00	0.00E+00	9.93E-09	2.24E-09	1.42E-08	2.20E-09	1.86E-09	3.05E-08
4749	490863.09	3860877.25	8.99E-05	1.10E-04	9.65E-05	3.11E-08	9.40E-08	5.44E-08	6.66E-08	6.04E-08	2.76E-08	2.42E-08	0.00E+00	0.00E+00	1.00E-08	2.26E-09	1.43E-08	2.21E-09	1.87E-09	3.07E-08

4750	491363.09	3860877.25	8.61E-05	1.06E-04	9.25E-05	2.98E-08	9.00E-08	5.21E-08	6.38E-08	5.79E-08	2.64E-08	2.32E-08	0.00E+00	0.00E+00	9.59E-09	2.17E-09	1.37E-08	2.12E-09	1.79E-09	2.94E-08
4751	491863.09	3860877.25	8.24E-05	1.01E-04	8.85E-05	2.85E-08	8.62E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.18E-09	2.07E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
4752	492363.09	3860877.25	8.01E-05	9.81E-05	8.60E-05	2.77E-08	8.37E-08	4.85E-08	5.94E-08	5.38E-08	2.46E-08	2.15E-08	0.00E+00	0.00E+00	8.92E-09	2.02E-09	1.28E-08	1.97E-09	1.67E-09	2.74E-08
4753	492863.09	3860877.25	8.17E-05	1.00E-04	8.77E-05	2.83E-08	8.54E-08	4.94E-08	6.05E-08	5.49E-08	2.50E-08	2.20E-08	0.00E+00	0.00E+00	9.09E-09	2.06E-09	1.30E-08	2.01E-09	1.70E-09	2.79E-08
4754	493363.09	3860877.25	8.48E-05	1.04E-04	9.10E-05	2.93E-08	8.86E-08	5.13E-08	6.28E-08	5.70E-08	2.60E-08	2.28E-08	0.00E+00	0.00E+00	9.44E-09	2.13E-09	1.35E-08	2.09E-09	1.76E-09	2.90E-08
4755	493863.09	3860877.25	8.55E-05	1.05E-04	9.18E-05	2.96E-08	8.94E-08	5.18E-08	6.34E-08	5.75E-08	2.62E-08	2.30E-08	0.00E+00	0.00E+00	9.52E-09	2.15E-09	1.37E-08	2.11E-09	1.78E-09	2.92E-08
4756	494363.09	3860877.25	8.57E-05	1.05E-04	9.20E-05	2.97E-08	8.96E-08	5.18E-08	6.35E-08	5.76E-08	2.63E-08	2.30E-08	0.00E+00	0.00E+00	9.54E-09	2.16E-09	1.37E-08	2.11E-09	1.78E-09	2.93E-08
4757	494863.09	3860877.25	8.54E-05	1.05E-04	9.17E-05	2.96E-08	8.93E-08	5.17E-08	6.33E-08	5.74E-08	2.62E-08	2.29E-08	0.00E+00	0.00E+00	9.51E-09	2.15E-09	1.36E-08	2.10E-09	1.78E-09	2.92E-08
4758	495363.09	3860877.25	8.42E-05	1.03E-04	9.04E-05	2.91E-08	8.80E-08	5.09E-08	6.24E-08	5.66E-08	2.58E-08	2.26E-08	0.00E+00	0.00E+00	9.37E-09	2.12E-09	1.34E-08	2.07E-09	1.75E-09	2.87E-08
4759	495863.09	3860877.25	8.19E-05	1.00E-04	8.79E-05	2.84E-08	8.56E-08	4.96E-08	6.07E-08	5.50E-08	2.51E-08	2.20E-08	0.00E+00	0.00E+00	9.12E-09	2.06E-09	1.31E-08	2.02E-09	1.70E-09	2.80E-08
4760	496363.09	3860877.25	8.05E-05	9.86E-05	8.64E-05	2.79E-08	8.42E-08	4.87E-08	5.97E-08	5.41E-08	2.47E-08	2.16E-08	0.00E+00	0.00E+00	8.96E-09	2.03E-09	1.29E-08	1.98E-09	1.68E-09	2.75E-08
4761	496863.09	3860877.25	7.85E-05	9.62E-05	8.43E-05	2.72E-08	8.21E-08	4.75E-08	5.82E-08	5.27E-08	2.41E-08	2.11E-08	0.00E+00	0.00E+00	8.74E-09	1.98E-09	1.25E-08	1.93E-09	1.63E-09	2.68E-08
4762	497363.09	3860877.25	7.62E-05	9.34E-05	8.18E-05	2.64E-08	7.97E-08	4.61E-08	5.65E-08	5.12E-08	2.34E-08	2.05E-08	0.00E+00	0.00E+00	8.49E-09	1.92E-09	1.22E-08	1.88E-09	1.59E-09	2.60E-08
4763	497863.09	3860877.25	7.41E-05	9.07E-05	7.95E-05	2.56E-08	7.74E-08	4.48E-08	5.49E-08	4.98E-08	2.27E-08	1.99E-08	0.00E+00	0.00E+00	8.25E-09	1.86E-09	1.18E-08	1.82E-09	1.54E-09	2.53E-08
4764	498363.09	3860877.25	7.19E-05	8.81E-05	7.72E-05	2.49E-08	7.52E-08	4.35E-08	5.33E-08	4.83E-08	2.21E-08	1.93E-08	0.00E+00	0.00E+00	8.01E-09	1.81E-09	1.15E-08	1.77E-09	1.50E-09	2.46E-08
4765	471363.09	3861377.25	1.99E-05	2.43E-05	2.13E-05	6.88E-09	2.08E-08	1.20E-08	1.47E-08	1.33E-08	6.09E-09	5.34E-09	0.00E+00	0.00E+00	2.21E-09	5.00E-10	3.17E-09	4.89E-10	4.13E-10	6.79E-09
4766	471863.09	3861377.25	2.09E-05	2.56E-05	2.24E-05	7.23E-09	2.18E-08	1.26E-08	1.55E-08	1.40E-08	6.41E-09	5.62E-09	0.00E+00	0.00E+00	2.33E-09	5.26E-10	3.34E-09	5.14E-10	4.35E-10	7.14E-09
4767	472363.09	3861377.25	2.19E-05	2.68E-05	2.35E-05	7.59E-09	2.29E-08	1.33E-08	1.62E-08	1.47E-08	6.72E-09	5.89E-09	0.00E+00	0.00E+00	2.44E-09	5.51E-10	3.50E-09	5.39E-10	4.56E-10	7.48E-09
4768	472863.09	3861377.25	2.30E-05	2.81E-05	2.47E-05	7.95E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.04E-09	6.17E-09	0.00E+00	0.00E+00	2.56E-09	5.78E-10	3.67E-09	5.65E-10	4.78E-10	7.84E-09
4769	473363.09	3861377.25	2.40E-05	2.93E-05	2.57E-05	8.29E-09	2.50E-08	1.45E-08	1.78E-08	1.61E-08	7.34E-09	6.44E-09	0.00E+00	0.00E+00	2.67E-09	6.03E-10	3.82E-09	5.90E-10	4.99E-10	8.18E-09
4770	473863.09	3861377.25	2.49E-05	3.06E-05	2.68E-05	8.64E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.65E-09	6.71E-09	0.00E+00	0.00E+00	2.78E-09	6.28E-10	3.98E-09	6.14E-10	5.19E-10	8.52E-09
4771	474363.09	3861377.25	2.61E-05	3.20E-05	2.81E-05	9.04E-09	2.73E-08	1.58E-08	1.94E-08	1.76E-08	8.01E-09	7.02E-09	0.00E+00	0.00E+00	2.91E-09	6.57E-10	4.17E-09	6.43E-10	5.44E-10	8.92E-09
4772	474863.09	3861377.25	2.73E-05	3.35E-05	2.94E-05	9.46E-09	2.86E-08	1.65E-08	2.03E-08	1.84E-08	8.38E-09	7.35E-09	0.00E+00	0.00E+00	3.04E-09	6.87E-10	4.36E-09	6.73E-10	5.69E-10	9.33E-09
4773	475363.09	3861377.25	2.87E-05	3.52E-05	3.08E-05	9.94E-09	3.00E-08	1.74E-08	2.13E-08	1.93E-08	8.80E-09	7.72E-09	0.00E+00	0.00E+00	3.20E-09	7.22E-10	4.58E-09	7.07E-10	5.98E-10	9.81E-09
4774	475863.09	3861377.25	2.99E-05	3.66E-05	3.21E-05	1.03E-08	3.12E-08	1.81E-08	2.21E-08	2.01E-08	9.16E-09	8.03E-09	0.00E+00	0.00E+00	3.33E-09	7.52E-10	4.77E-09	7.36E-10	6.22E-10	1.02E-08
4775	476363.09	3861377.25	3.08E-05	3.77E-05	3.30E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.43E-09	8.27E-09	0.00E+00	0.00E+00	3.42E-09	7.74E-10	4.91E-09	7.57E-10	6.40E-10	1.05E-08
4776	476863.09	3861377.25	3.16E-05	3.87E-05	3.40E-05	1.09E-08	3.31E-08	1.91E-08	2.34E-08	2.12E-08	9.70E-09	8.50E-09	0.00E+00	0.00E+00	3.52E-09	7.96E-10	5.05E-09	7.79E-10	6.58E-10	1.08E-08
4777	477363.09	3861377.25	3.25E-05	3.98E-05	3.49E-05	1.12E-08	3.40E-08	1.97E-08	2.41E-08	2.18E-08	9.96E-09	8.74E-09	0.00E+00	0.00E+00	3.62E-09	8.17E-10	5.19E-09	8.00E-10	6.76E-10	1.11E-08
4778	477863.09	3861377.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.11E-09	7.99E-09	0.00E+00	0.00E+00	3.31E-09	7.47E-10	4.74E-09	7.31E-10	6.19E-10	1.01E-08
4779	478363.09	3861377.25	1.94E-05	2.37E-05	2.08E-05	6.70E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.94E-09	5.21E-09	0.00E+00	0.00E+00	2.15E-09	4.87E-10	3.09E-09	4.77E-10	4.03E-10	6.61E-09
4780	478863.09	3861377.25	2.44E-05	2.99E-05	2.62E-05	8.46E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.49E-09	6.57E-09	0.00E+00	0.00E+00	2.72E-09	6.15E-10	3.90E-09	6.02E-10	5.09E-10	8.35E-09
4781	479363.09	3861377.25	3.96E-05	4.85E-05	4.25E-05	1.37E-08	4.14E-08	2.40E-08	2.93E-08	2.66E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.41E-09	9.96E-10	6.32E-09	9.75E-10	8.23E-10	1.35E-08
4782	479863.09	3861377.25	4.52E-05	5.53E-05	4.85E-05	1.56E-08	4.72E-08	2.73E-08	3.35E-08	3.03E-08	1.38E-08	1.21E-08	0.00E+00	0.00E+00	5.03E-09	1.14E-09	7.21E-09	1.11E-09	9.40E-10	1.54E-08
4783	480363.09	3861377.25	4.87E-05	5.96E-05	5.23E-05	1.68E-08	5.09E-08	2.94E-08	3.61E-08	3.27E-08	1.49E-08	1.31E-08	0.00E+00	0.00E+00	5.42E-09	1.22E-09	7.77E-09	1.20E-09	1.01E-09	1.66E-08
4784	480863.09	3861377.25	5.14E-05	6.29E-05	5.52E-05	1.78E-08	5.37E-08	3.11E-08	3.81E-08	3.45E-08	1.57E-08	1.38E-08	0.00E+00	0.00E+00	5.72E-09	1.29E-09	8.20E-09	1.26E-09	1.07E-09	1.75E-08
4785	481363.09	3861377.25	5.40E-05	6.62E-05	5.80E-05	1.87E-08	5.65E-08	3.27E-08	4.00E-08	3.63E-08	1.66E-08	1.45E-08	0.00E+00	0.00E+00	6.01E-09	1.36E-09	8.62E-09	1.33E-09	1.12E-09	1.84E-08
4786	481863.09	3861377.25	5.68E-05	6.95E-05	6.10E-05	1.96E-08	5.93E-08	3.43E-08	4.21E-08	3.81E-08	1.74E-08	1.53E-08	0.00E+00	0.00E+00	6.32E-09	1.43E-09	9.06E-09	1.40E-09	1.18E-09	1.94E-08
4787	482363.09	3861377.25	5.99E-05	7.33E-05	6.43E-05	2.07E-08	6.26E-08	3.62E-08	4.44E-08	4.02E-08	1.83E-08	1.61E-08	0.00E+00	0.00E+00	6.66E-09	1.51E-09	9.55E-09	1.47E-09	1.25E-09	2.04E-08
4788	482863.09	3861377.25	6.30E-05	7.72E-05	6.77E-05	2.18E-08	6.59E-08	3.81E-08	4.67E-08	4.24E-08	1.93E-08	1.70E-08	0.00E+00	0.00E+00	7.02E-09	1.59E-09	1.01E-08	1.55E-09	1.31E-09	2.15E-08
4789	483363.09	3861377.25	6.58E-05	8.05E-05	7.07E-05	2.28E-08	6.87E-08	3.98E-08	4.87E-08	4.42E-08	2.02E-08	1.77E-08	0.00E+00	0.00E+00	7.32E-09	1.65E-09	1.05E-08	1.62E-09	1.37E-09	2.25E-08
4790	483863.09	3861377.25	6.81E-05	8.33E-05	7.31E-05	2.36E-08	7.11E-08	4.12E-08	5.04E-08	4.57E-08	2.09E-08	1.83E-08	0.00E+00	0.00E+00	7.58E-09	1.71E-09	1.09E-08	1.68E-09	1.42E-09	2.32E-08
4791	484363.09	3861377.25	7.05E-05	8.63E-05	7.57E-05	2.44E-08	7.37E-08	4.26E-08	5.22E-08	4.73E-08	2.16E-08	1.89E-08	0.00E+00	0.00E+00	7.84E-09	1.77E-09	1.12E-08	1.73E-09	1.47E-09	2.41E-08
4792	484863.09	3861377.25	7.02E-05	8.59E-05	7.54E-05	2.43E-08	7.33E-08	4.25E-08	5.20E-08	4.71E-08	2.15E-08	1.89E-08	0.00E+00	0.00E+00	7.81E-09	1.77E-09	1.12E-08	1.73E-09	1.46E-09	2.40E-08
4793	485363.09	3861377.25	6.98E-05	8.55E-05	7.50E-05	2.42E-08	7.30E-08	4.22E-08	5.17E-08	4.69E-08	2.14E-08	1.88E-08	0.00E+00	0.00E+00	7.77E-09	1.76E-09	1.11E-08	1.72E-09	1.45E-09	2.38E-08
4794	485863.09	3861377.25	7.09E-05	8.68E-05	7.61E-05	2.45E-08	7.41E-08	4.29E-08	5.25E-08	4.76E-08	2.17E-08	1.91E-08	0.00E+00	0.00E+00	7.89E-09	1.78E-09	1.13E-08	1.74E-09	1.48E-09	2.42E-08
4795	486363.09	3861377.25	7.13E-05	8.74E-05	7.66E-05	2.47E-08	7.45E-08	4.32E-08	5.29E-08	4.79E-08	2.19E-08	1.92E-08	0.00E+00	0.00E+00	7.94E-09	1.79E-09	1.14E-08	1.76E-09	1.48E-09	2.44E-08
4796	486863.09	3861377.25	7.12E-05	8.72E-05	7.65E-05	2.46E-08	7.44E-08	4.31E-08	5.28E-08	4.78E-08	2.18E-08	1.91E-08	0.00E+00	0.00E+00	7.92E-09	1.79E-09	1.14E-08	1.75E-09	1.48E-09	2.43E-08
4797	487363.09	3861377.25	7.02E-05	8.60E-05	7.54E-05	2.43E-08	7.34E-08	4.25E-08	5.20E-08	4.72E-08	2.15E-08	1.89E-08	0.00E+00	0.00E+00	7.81E-09	1.77E-09	1.12E-08	1.73E-09	1.46E-09	2.40E-08
4798	487863.09	3861377.25	6.97E-05	8.54E-05	7.49E-05	2.41E-08	7.29E-08	4.22E-08	5.17E-08	4.69E-08	2.14E-08	1.88E-08	0.00E+00	0.00E+00	7.76E-09	1.75E-09	1.11E-08	1.72E-09	1.45E-09	2.38E-08
4799	488363.09	3861377.25	6.93E-05	8.48E-05	7.44E-05	2.40E-08	7.24E-08	4.19E-08	5.13E-08	4.65E-08	2.12E-08	1.86E-08	0.00E+00	0.00E+00	7.71E-09	1.74E-09	1.11E-08	1.70E-09	1.44E-09	2.37E-08
4800	488863.09	3861377.25	6.94E-05	8.49E-05	7.45E-05	2.40E-08	7.25E-08	4.20E-08	5.14E-08	4.66E-08	2.13E-08	1.86E-08	0.00E+00	0.00E+00	7.72E-09	1.74E-09	1.11E-08	1.71E-09	1.44E-09	2.37E-08
4801	489363.09	3861377.25	6.99E-05	8.56E-05	7.51E-05	2.42E-08	7.31E-08	4.23E-08	5.18E-08	4.70E-08	2.14E-08	1.88E-08	0.00E+00	0.00E+00	7.78E-09	1.76E-09	1.12E-08	1.72E-09	1.45E-09	2.39E-08
4802	489863.09	3861377.25	7.11E-05	8.70E-05	7.63E-05	2.46E-08	7.43E-08	4.30E-08	5.27E-08	4.77E-08	2.18E-08	1.91E-08	0.00E+00	0.00E+00	7.91E-09	1.79E-09	1.13E-08	1.75E-09	1.48E-09	2.43E-08
4803	490363.09	3861377.25	7.15E-05	8.76E-05	7.68E-05	2.48E-08	7.48E-08	4.33E-08	5.30E-08	4.81E-08	2.19E-08	1.92E-08	0.00E+00	0.00E+00	7.96E-09	1.80E-09	1.14E-08	1.76E-09	1.49E-09	2.44E-08
4804	490863.09	3861377.25	7.22E-05	8.84E-05	7.75E-05	2.50E-08	7.54E-08	4.37E-08	5.35E-08	4.85E-08	2.21E-08	1.94E-08	0.00E+00	0.00E+00	8.03E-09	1.82E-09	1.15E-08	1.78E-09	1.50E-09	2.46E-08
4805	491363.09	3861377.25	7.29E-05	8.93E-05	7.83E-05	2.53E-08	7.62E-08	4.41E-08	5.41E-08	4.90E-08	2.24E-08	1.96E-08	0.00E+00	0.00E+00	8.12E-09	1.83E-09	1.16E-08	1.80E-09	1.52E-09	2.49E-08
4806	491863.09	3861377.25	7.07E-05	8.66E-05	7.60E-05	2.45E-08	7.39E-08	4.28E-08	5.24E-08	4.75E-08	2.17E-08	1.90E-08	0.00E+00	0.00E+00	7.87E-09	1.78E-09	1.13E-08	1.74E-09	1.47E-09	2.42E-08
4807	492363.09	3861377.25	6.74E-05	8.25E-05	7.23E-05	2.33E-08	7.04E-08	4.08E-08	4.99E-08	4.52E-08	2.06E-08	1.81E-08	0.00E+00	0.00E+00	7.50E-09	1.69E-09	1.08E-08	1.66E-09	1.40E-09	2.30E-08

4808	492863.09	3861377.25	6.55E-05	8.02E-05	7.03E-05	2.27E-08	6.85E-08	3.96E-08	4.85E-08	4.40E-08	2.01E-08	1.76E-08	0.00E+00	0.00E+00	7.29E-09	1.65E-09	1.05E-08	1.61E-09	1.36E-09	2.24E-08
4809	493363.09	3861377.25	6.57E-05	8.05E-05	7.06E-05	2.28E-08	6.87E-08	3.98E-08	4.87E-08	4.42E-08	2.01E-08	1.77E-08	0.00E+00	0.00E+00	7.32E-09	1.65E-09	1.05E-08	1.62E-09	1.37E-09	2.24E-08
4810	493863.09	3861377.25	6.66E-05	8.16E-05	7.15E-05	2.31E-08	6.96E-08	4.03E-08	4.94E-08	4.48E-08	2.04E-08	1.79E-08	0.00E+00	0.00E+00	7.42E-09	1.68E-09	1.06E-08	1.64E-09	1.39E-09	2.28E-08
4811	494363.09	3861377.25	6.78E-05	8.30E-05	7.27E-05	2.35E-08	7.08E-08	4.10E-08	5.02E-08	4.55E-08	2.08E-08	1.82E-08	0.00E+00	0.00E+00	7.54E-09	1.70E-09	1.08E-08	1.67E-09	1.41E-09	2.31E-08
4812	494863.09	3861377.25	6.87E-05	8.41E-05	7.38E-05	2.38E-08	7.18E-08	4.16E-08	5.09E-08	4.62E-08	2.11E-08	1.85E-08	0.00E+00	0.00E+00	7.65E-09	1.73E-09	1.10E-08	1.69E-09	1.43E-09	2.35E-08
4813	495363.09	3861377.25	6.89E-05	8.43E-05	7.39E-05	2.38E-08	7.20E-08	4.17E-08	5.10E-08	4.63E-08	2.11E-08	1.85E-08	0.00E+00	0.00E+00	7.67E-09	1.73E-09	1.10E-08	1.70E-09	1.43E-09	2.35E-08
4814	495863.09	3861377.25	6.80E-05	8.33E-05	7.30E-05	2.36E-08	7.11E-08	4.12E-08	5.04E-08	4.57E-08	2.09E-08	1.83E-08	0.00E+00	0.00E+00	7.57E-09	1.71E-09	1.09E-08	1.67E-09	1.42E-09	2.32E-08
4815	496363.09	3861377.25	6.79E-05	8.31E-05	7.29E-05	2.35E-08	7.10E-08	4.11E-08	5.03E-08	4.56E-08	2.08E-08	1.82E-08	0.00E+00	0.00E+00	7.56E-09	1.71E-09	1.08E-08	1.67E-09	1.41E-09	2.32E-08
4816	496863.09	3861377.25	6.79E-05	8.32E-05	7.29E-05	2.35E-08	7.10E-08	4.11E-08	5.03E-08	4.56E-08	2.08E-08	1.82E-08	0.00E+00	0.00E+00	7.56E-09	1.71E-09	1.08E-08	1.67E-09	1.41E-09	2.32E-08
4817	497363.09	3861377.25	6.64E-05	8.14E-05	7.13E-05	2.30E-08	6.94E-08	4.02E-08	4.92E-08	4.46E-08	2.04E-08	1.78E-08	0.00E+00	0.00E+00	7.39E-09	1.67E-09	1.06E-08	1.63E-09	1.38E-09	2.27E-08
4818	497863.09	3861377.25	6.48E-05	7.94E-05	6.96E-05	2.24E-08	6.77E-08	3.92E-08	4.80E-08	4.35E-08	1.99E-08	1.74E-08	0.00E+00	0.00E+00	7.21E-09	1.63E-09	1.03E-08	1.60E-09	1.35E-09	2.21E-08
4819	498363.09	3861377.25	6.33E-05	7.76E-05	6.80E-05	2.19E-08	6.62E-08	3.83E-08	4.69E-08	4.25E-08	1.94E-08	1.70E-08	0.00E+00	0.00E+00	7.05E-09	1.59E-09	1.01E-08	1.56E-09	1.32E-09	2.16E-08
4820	471363.09	3861877.25	1.96E-05	2.40E-05	2.11E-05	6.79E-09	2.05E-08	1.19E-08	1.45E-08	1.32E-08	6.02E-09	5.27E-09	0.00E+00	0.00E+00	2.18E-09	4.94E-10	3.13E-09	4.83E-10	4.08E-10	6.70E-09
4821	471863.09	3861877.25	2.04E-05	2.50E-05	2.20E-05	7.08E-09	2.14E-08	1.24E-08	1.52E-08	1.37E-08	6.27E-09	5.50E-09	0.00E+00	0.00E+00	2.28E-09	5.14E-10	3.26E-09	5.03E-10	4.26E-10	6.98E-09
4822	472363.09	3861877.25	2.13E-05	2.60E-05	2.28E-05	7.36E-09	2.22E-08	1.29E-08	1.58E-08	1.43E-08	6.52E-09	5.72E-09	0.00E+00	0.00E+00	2.37E-09	5.35E-10	3.39E-09	5.23E-10	4.43E-10	7.26E-09
4823	472863.09	3861877.25	2.21E-05	2.71E-05	2.38E-05	7.66E-09	2.31E-08	1.34E-08	1.64E-08	1.49E-08	6.78E-09	5.95E-09	0.00E+00	0.00E+00	2.46E-09	5.56E-10	3.53E-09	5.44E-10	4.60E-10	7.55E-09
4824	473363.09	3861877.25	2.30E-05	2.82E-05	2.47E-05	7.97E-09	2.41E-08	1.39E-08	1.71E-08	1.55E-08	7.05E-09	6.19E-09	0.00E+00	0.00E+00	2.56E-09	5.79E-10	3.67E-09	5.66E-10	4.79E-10	7.86E-09
4825	473863.09	3861877.25	2.40E-05	2.94E-05	2.58E-05	8.30E-09	2.51E-08	1.45E-08	1.78E-08	1.61E-08	7.35E-09	6.45E-09	0.00E+00	0.00E+00	2.67E-09	6.03E-10	3.83E-09	5.90E-10	4.99E-10	8.19E-09
4826	474363.09	3861877.25	2.50E-05	3.07E-05	2.69E-05	8.67E-09	2.62E-08	1.51E-08	1.86E-08	1.68E-08	7.67E-09	6.73E-09	0.00E+00	0.00E+00	2.79E-09	6.30E-10	4.00E-09	6.16E-10	5.21E-10	8.55E-09
4827	474863.09	3861877.25	2.62E-05	3.21E-05	2.81E-05	9.06E-09	2.74E-08	1.58E-08	1.94E-08	1.76E-08	8.02E-09	7.04E-09	0.00E+00	0.00E+00	2.91E-09	6.58E-10	4.18E-09	6.44E-10	5.45E-10	8.94E-09
4828	475363.09	3861877.25	2.73E-05	3.35E-05	2.94E-05	9.46E-09	2.86E-08	1.65E-08	2.03E-08	1.84E-08	8.38E-09	7.35E-09	0.00E+00	0.00E+00	3.04E-09	6.88E-10	4.36E-09	6.73E-10	5.69E-10	9.34E-09
4829	475863.09	3861877.25	2.86E-05	3.50E-05	3.07E-05	9.89E-09	2.99E-08	1.73E-08	2.12E-08	1.92E-08	8.76E-09	7.68E-09	0.00E+00	0.00E+00	3.18E-09	7.19E-10	4.56E-09	7.03E-10	5.95E-10	9.76E-09
4830	476363.09	3861877.25	2.98E-05	3.65E-05	3.20E-05	1.03E-08	3.12E-08	1.80E-08	2.21E-08	2.00E-08	9.14E-09	8.01E-09	0.00E+00	0.00E+00	3.32E-09	7.50E-10	4.76E-09	7.34E-10	6.20E-10	1.02E-08
4831	476863.09	3861877.25	3.08E-05	3.77E-05	3.31E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.44E-09	8.28E-09	0.00E+00	0.00E+00	3.43E-09	7.74E-10	4.91E-09	7.58E-10	6.41E-10	1.05E-08
4832	477363.09	3861877.25	3.17E-05	3.88E-05	3.40E-05	1.10E-08	3.31E-08	1.92E-08	2.35E-08	2.13E-08	9.71E-09	8.51E-09	0.00E+00	0.00E+00	3.53E-09	7.97E-10	5.06E-09	7.80E-10	6.59E-10	1.08E-08
4833	477863.09	3861877.25	2.88E-05	3.53E-05	3.09E-05	9.97E-09	3.01E-08	1.74E-08	2.13E-08	1.93E-08	8.83E-09	7.74E-09	0.00E+00	0.00E+00	3.21E-09	7.24E-10	4.60E-09	7.09E-10	5.99E-10	9.83E-09
4834	478363.09	3861877.25	1.59E-05	1.95E-05	1.71E-05	5.50E-09	1.66E-08	9.62E-09	1.18E-08	1.07E-08	4.87E-09	4.27E-09	0.00E+00	0.00E+00	1.77E-09	4.00E-10	2.54E-09	3.91E-10	3.31E-10	5.43E-09
4835	478863.09	3861877.25	2.64E-05	3.24E-05	2.84E-05	9.15E-09	2.76E-08	1.60E-08	1.96E-08	1.78E-08	8.10E-09	7.10E-09	0.00E+00	0.00E+00	2.94E-09	6.65E-10	4.22E-09	6.50E-10	5.50E-10	9.02E-09
4836	479363.09	3861877.25	2.48E-05	3.03E-05	2.66E-05	8.57E-09	2.59E-08	1.50E-08	1.84E-08	1.66E-08	7.59E-09	6.66E-09	0.00E+00	0.00E+00	2.76E-09	6.23E-10	3.95E-09	6.10E-10	5.15E-10	8.46E-09
4837	479863.09	3861877.25	4.11E-05	5.03E-05	4.41E-05	1.42E-08	4.29E-08	2.49E-08	3.04E-08	2.76E-08	1.26E-08	1.10E-08	0.00E+00	0.00E+00	4.57E-09	1.03E-09	6.56E-09	1.01E-09	8.55E-10	1.40E-08
4838	480363.09	3861877.25	4.42E-05	5.41E-05	4.75E-05	1.53E-08	4.62E-08	2.67E-08	3.27E-08	2.97E-08	1.35E-08	1.19E-08	0.00E+00	0.00E+00	4.92E-09	1.11E-09	7.05E-09	1.09E-09	9.20E-10	1.51E-08
4839	480863.09	3861877.25	4.65E-05	5.69E-05	4.99E-05	1.61E-08	4.86E-08	2.81E-08	3.44E-08	3.12E-08	1.42E-08	1.25E-08	0.00E+00	0.00E+00	5.17E-09	1.17E-09	7.42E-09	1.14E-09	9.67E-10	1.59E-08
4840	481363.09	3861877.25	4.86E-05	5.96E-05	5.23E-05	1.68E-08	5.08E-08	2.94E-08	3.61E-08	3.27E-08	1.49E-08	1.31E-08	0.00E+00	0.00E+00	5.42E-09	1.22E-09	7.77E-09	1.20E-09	1.01E-09	1.66E-08
4841	481863.09	3861877.25	5.09E-05	6.24E-05	5.47E-05	1.76E-08	5.32E-08	3.08E-08	3.77E-08	3.42E-08	1.56E-08	1.37E-08	0.00E+00	0.00E+00	5.67E-09	1.28E-09	8.13E-09	1.25E-09	1.06E-09	1.74E-08
4842	482363.09	3861877.25	5.35E-05	6.55E-05	5.74E-05	1.85E-08	5.59E-08	3.23E-08	3.96E-08	3.59E-08	1.64E-08	1.44E-08	0.00E+00	0.00E+00	5.95E-09	1.34E-09	8.53E-09	1.32E-09	1.11E-09	1.83E-08
4843	482863.09	3861877.25	5.59E-05	6.85E-05	6.01E-05	1.94E-08	5.85E-08	3.38E-08	4.14E-08	3.76E-08	1.71E-08	1.50E-08	0.00E+00	0.00E+00	6.23E-09	1.41E-09	8.93E-09	1.38E-09	1.16E-09	1.91E-08
4844	483363.09	3861877.25	5.78E-05	7.08E-05	6.21E-05	2.00E-08	6.04E-08	3.50E-08	4.28E-08	3.88E-08	1.77E-08	1.55E-08	0.00E+00	0.00E+00	6.44E-09	1.45E-09	9.23E-09	1.42E-09	1.20E-09	1.97E-08
4845	483863.09	3861877.25	5.96E-05	7.30E-05	6.40E-05	2.06E-08	6.23E-08	3.61E-08	4.42E-08	4.00E-08	1.83E-08	1.60E-08	0.00E+00	0.00E+00	6.64E-09	1.50E-09	9.51E-09	1.47E-09	1.24E-09	2.04E-08
4846	484363.09	3861877.25	6.06E-05	7.42E-05	6.51E-05	2.10E-08	6.33E-08	3.67E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	0.00E+00	0.00E+00	6.75E-09	1.52E-09	9.67E-09	1.49E-09	1.26E-09	2.07E-08
4847	484863.09	3861877.25	6.16E-05	7.54E-05	6.61E-05	2.13E-08	6.44E-08	3.73E-08	4.56E-08	4.14E-08	1.89E-08	1.66E-08	0.00E+00	0.00E+00	6.86E-09	1.55E-09	9.83E-09	1.52E-09	1.28E-09	2.10E-08
4848	485363.09	3861877.25	6.12E-05	7.49E-05	6.57E-05	2.12E-08	6.39E-08	3.70E-08	4.53E-08	4.11E-08	1.87E-08	1.64E-08	0.00E+00	0.00E+00	6.81E-09	1.54E-09	9.76E-09	1.51E-09	1.27E-09	2.09E-08
4849	485863.09	3861877.25	6.05E-05	7.41E-05	6.50E-05	2.10E-08	6.33E-08	3.66E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	0.00E+00	0.00E+00	6.74E-09	1.52E-09	9.66E-09	1.49E-09	1.26E-09	2.07E-08
4850	486363.09	3861877.25	6.09E-05	7.46E-05	6.54E-05	2.11E-08	6.37E-08	3.69E-08	4.51E-08	4.09E-08	1.87E-08	1.64E-08	0.00E+00	0.00E+00	6.78E-09	1.53E-09	9.72E-09	1.50E-09	1.27E-09	2.08E-08
4851	486863.09	3861877.25	6.05E-05	7.41E-05	6.50E-05	2.09E-08	6.32E-08	3.66E-08	4.48E-08	4.07E-08	1.85E-08	1.63E-08	0.00E+00	0.00E+00	6.74E-09	1.52E-09	9.66E-09	1.49E-09	1.26E-09	2.07E-08
4852	487363.09	3861877.25	5.98E-05	7.32E-05	6.42E-05	2.07E-08	6.25E-08	3.62E-08	4.43E-08	4.01E-08	1.83E-08	1.61E-08	0.00E+00	0.00E+00	6.65E-09	1.50E-09	9.54E-09	1.47E-09	1.24E-09	2.04E-08
4853	487863.09	3861877.25	5.91E-05	7.24E-05	6.35E-05	2.05E-08	6.18E-08	3.58E-08	4.38E-08	3.97E-08	1.81E-08	1.59E-08	0.00E+00	0.00E+00	6.58E-09	1.49E-09	9.43E-09	1.45E-09	1.23E-09	2.02E-08
4854	488363.09	3861877.25	5.87E-05	7.19E-05	6.30E-05	2.03E-08	6.14E-08	3.55E-08	4.35E-08	3.94E-08	1.80E-08	1.58E-08	0.00E+00	0.00E+00	6.53E-09	1.48E-09	9.37E-09	1.44E-09	1.22E-09	2.00E-08
4855	488863.09	3861877.25	5.82E-05	7.13E-05	6.25E-05	2.02E-08	6.09E-08	3.52E-08	4.31E-08	3.91E-08	1.78E-08	1.57E-08	0.00E+00	0.00E+00	6.48E-09	1.46E-09	9.29E-09	1.43E-09	1.21E-09	1.99E-08
4856	489363.09	3861877.25	5.80E-05	7.10E-05	6.23E-05	2.01E-08	6.06E-08	3.51E-08	4.30E-08	3.90E-08	1.78E-08	1.56E-08	0.00E+00	0.00E+00	6.46E-09	1.46E-09	9.26E-09	1.43E-09	1.21E-09	1.98E-08
4857	489863.09	3861877.25	5.88E-05	7.21E-05	6.32E-05	2.04E-08	6.15E-08	3.56E-08	4.36E-08	3.95E-08	1.80E-08	1.58E-08	0.00E+00	0.00E+00	6.55E-09	1.48E-09	9.39E-09	1.45E-09	1.22E-09	2.01E-08
4858	490363.09	3861877.25	5.90E-05	7.23E-05	6.34E-05	2.04E-08	6.17E-08	3.57E-08	4.37E-08	3.97E-08	1.81E-08	1.59E-08	0.00E+00	0.00E+00	6.57E-09	1.48E-09	9.42E-09	1.45E-09	1.23E-09	2.02E-08
4859	490863.09	3861877.25	5.94E-05	7.27E-05	6.38E-05	2.06E-08	6.21E-08	3.59E-08	4.40E-08	3.99E-08	1.82E-08	1.60E-08	0.00E+00	0.00E+00	6.61E-09	1.49E-09	9.48E-09	1.46E-09	1.24E-09	2.03E-08
4860	491363.09	3861877.25	6.01E-05	7.36E-05	6.46E-05	2.08E-08	6.28E-08	3.64E-08	4.46E-08	4.04E-08	1.84E-08	1.62E-08	0.00E+00	0.00E+00	6.69E-09	1.51E-09	9.60E-09	1.48E-09	1.25E-09	2.05E-08
4861	491863.09	3861877.25	6.12E-05	7.50E-05	6.57E-05	2.12E-08	6.40E-08	3.70E-08	4.54E-08	4.11E-08	1.88E-08	1.65E-08	0.00E+00	0.00E+00	6.82E-09	1.54E-09	9.77E-09	1.51E-09	1.27E-09	2.09E-08
4862	492363.09	3861877.25	5.94E-05	7.28E-05	6.38E-05	2.06E-08	6.21E-08	3.60E-08	4.41E-08	3.99E-08	1.82E-08	1.60E-08	0.00E+00	0.00E+00	6.62E-09	1.50E-09	9.49E-09	1.46E-09	1.24E-09	2.03E-08
4863	492863.09	3861877.25	5.67E-05	6.94E-05	6.09E-05	1.96E-08	5.93E-08	3.43E-08	4.20E-08	3.81E-08	1.74E-08	1.52E-08	0.00E+00	0.00E+00	6.31E-09	1.43E-09	9.05E-09	1.40E-09	1.18E-09	1.94E-08
4864	493363.09	3861877.25	5.48E-05	6.72E-05	5.89E-05	1.90E-08	5.73E-08	3.32E-08	4.06E-08	3.68E-08	1.68E-08	1.47E-08	0.00E+00	0.00E+00	6.10E-09	1.38E-09	8.75E-09	1.35E-09	1.14E-09	1.87E-08
4865	493863.09	3861877.25	5.43E-05	6.65E-05	5.83E-05	1.88E-08	5.67E-08	3.28E-08	4.02E-08	3.65E-08	1.66E-08	1.46E-08	0.00E+00	0.00E+00	6.04E-09	1.37E-09	8.67E-09	1.34E-09	1.13E-09	1.85E-08

4866	494363.09	3861877.25	5.47E-05	6.70E-05	5.87E-05	1.89E-08	5.72E-08	3.31E-08	4.05E-08	3.67E-08	1.68E-08	1.47E-08	0.00E+00	0.00E+00	6.09E-09	1.38E-09	8.73E-09	1.35E-09	1.14E-09	1.87E-08
4867	494863.09	3861877.25	5.58E-05	6.84E-05	5.99E-05	1.93E-08	5.84E-08	3.38E-08	4.14E-08	3.75E-08	1.71E-08	1.50E-08	0.00E+00	0.00E+00	6.22E-09	1.40E-09	8.91E-09	1.37E-09	1.16E-09	1.91E-08
4868	495363.09	3861877.25	5.67E-05	6.95E-05	6.09E-05	1.96E-08	5.93E-08	3.43E-08	4.20E-08	3.81E-08	1.74E-08	1.52E-08	0.00E+00	0.00E+00	6.32E-09	1.43E-09	9.06E-09	1.40E-09	1.18E-09	1.94E-08
4869	495863.09	3861877.25	5.73E-05	7.01E-05	6.15E-05	1.98E-08	5.98E-08	3.46E-08	4.24E-08	3.85E-08	1.76E-08	1.54E-08	0.00E+00	0.00E+00	6.37E-09	1.44E-09	9.14E-09	1.41E-09	1.19E-09	1.96E-08
4870	496363.09	3861877.25	5.75E-05	7.05E-05	6.18E-05	1.99E-08	6.01E-08	3.48E-08	4.26E-08	3.87E-08	1.76E-08	1.55E-08	0.00E+00	0.00E+00	6.40E-09	1.45E-09	9.18E-09	1.42E-09	1.20E-09	1.96E-08
4871	496863.09	3861877.25	6.06E-05	7.43E-05	6.51E-05	2.10E-08	6.34E-08	3.67E-08	4.49E-08	4.07E-08	1.86E-08	1.63E-08	0.00E+00	0.00E+00	6.75E-09	1.53E-09	9.68E-09	1.49E-09	1.26E-09	2.07E-08
4872	497363.09	3861877.25	5.77E-05	7.06E-05	6.19E-05	2.00E-08	6.03E-08	3.49E-08	4.27E-08	3.87E-08	1.77E-08	1.55E-08	0.00E+00	0.00E+00	6.42E-09	1.45E-09	9.20E-09	1.42E-09	1.20E-09	1.97E-08
4873	497863.09	3861877.25	5.59E-05	6.85E-05	6.00E-05	1.94E-08	5.84E-08	3.38E-08	4.14E-08	3.76E-08	1.71E-08	1.50E-08	0.00E+00	0.00E+00	6.22E-09	1.41E-09	8.92E-09	1.38E-09	1.16E-09	1.91E-08
4874	498363.09	3861877.25	5.45E-05	6.68E-05	5.85E-05	1.89E-08	5.70E-08	3.30E-08	4.04E-08	3.66E-08	1.67E-08	1.47E-08	0.00E+00	0.00E+00	6.07E-09	1.37E-09	8.70E-09	1.34E-09	1.13E-09	1.86E-08
4875	471363.09	3862377.25	1.91E-05	2.33E-05	2.05E-05	6.59E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.84E-09	5.12E-09	0.00E+00	0.00E+00	2.12E-09	4.79E-10	3.04E-09	4.69E-10	3.97E-10	6.51E-09
4876	471863.09	3862377.25	1.97E-05	2.42E-05	2.12E-05	6.83E-09	2.06E-08	1.19E-08	1.46E-08	1.33E-08	6.05E-09	5.30E-09	0.00E+00	0.00E+00	2.20E-09	4.96E-10	3.15E-09	4.86E-10	4.11E-10	6.74E-09
4877	472363.09	3862377.25	2.04E-05	2.50E-05	2.20E-05	7.08E-09	2.14E-08	1.24E-08	1.51E-08	1.37E-08	6.27E-09	5.50E-09	0.00E+00	0.00E+00	2.28E-09	5.14E-10	3.26E-09	5.03E-10	4.26E-10	6.98E-09
4878	472863.09	3862377.25	2.12E-05	2.60E-05	2.28E-05	7.34E-09	2.22E-08	1.28E-08	1.57E-08	1.42E-08	6.50E-09	5.70E-09	0.00E+00	0.00E+00	2.36E-09	5.33E-10	3.38E-09	5.22E-10	4.41E-10	7.24E-09
4879	473363.09	3862377.25	2.20E-05	2.70E-05	2.37E-05	7.62E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.75E-09	5.92E-09	0.00E+00	0.00E+00	2.45E-09	5.54E-10	3.51E-09	5.42E-10	4.58E-10	7.52E-09
4880	473863.09	3862377.25	2.29E-05	2.81E-05	2.46E-05	7.93E-09	2.39E-08	1.39E-08	1.70E-08	1.54E-08	7.02E-09	6.16E-09	0.00E+00	0.00E+00	2.55E-09	5.76E-10	3.66E-09	5.64E-10	4.77E-10	7.82E-09
4881	474363.09	3862377.25	2.39E-05	2.92E-05	2.56E-05	8.26E-09	2.49E-08	1.44E-08	1.77E-08	1.60E-08	7.32E-09	6.42E-09	0.00E+00	0.00E+00	2.66E-09	6.00E-10	3.81E-09	5.87E-10	4.97E-10	8.15E-09
4882	474863.09	3862377.25	2.48E-05	3.04E-05	2.67E-05	8.59E-09	2.59E-08	1.50E-08	1.84E-08	1.67E-08	7.61E-09	6.67E-09	0.00E+00	0.00E+00	2.76E-09	6.24E-10	3.96E-09	6.11E-10	5.17E-10	8.48E-09
4883	475363.09	3862377.25	2.59E-05	3.17E-05	2.78E-05	8.96E-09	2.70E-08	1.57E-08	1.92E-08	1.74E-08	7.93E-09	6.95E-09	0.00E+00	0.00E+00	2.88E-09	6.51E-10	4.13E-09	6.37E-10	5.39E-10	8.84E-09
4884	475863.09	3862377.25	2.69E-05	3.30E-05	2.89E-05	9.32E-09	2.81E-08	1.63E-08	1.99E-08	1.81E-08	8.25E-09	7.23E-09	0.00E+00	0.00E+00	3.00E-09	6.77E-10	4.30E-09	6.62E-10	5.60E-10	9.19E-09
4885	476363.09	3862377.25	2.80E-05	3.43E-05	3.00E-05	9.68E-09	2.92E-08	1.69E-08	2.07E-08	1.88E-08	8.57E-09	7.52E-09	0.00E+00	0.00E+00	3.11E-09	7.03E-10	4.46E-09	6.88E-10	5.82E-10	9.55E-09
4886	476863.09	3862377.25	2.91E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.91E-09	7.81E-09	0.00E+00	0.00E+00	3.23E-09	7.31E-10	4.64E-09	7.15E-10	6.05E-10	9.92E-09
4887	477363.09	3862377.25	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.28E-09	8.13E-09	0.00E+00	0.00E+00	3.37E-09	7.61E-10	4.83E-09	7.45E-10	6.29E-10	1.03E-08
4888	477863.09	3862377.25	2.91E-05	3.57E-05	3.13E-05	1.01E-08	3.04E-08	1.76E-08	2.16E-08	1.96E-08	8.93E-09	7.82E-09	0.00E+00	0.00E+00	3.24E-09	7.33E-10	4.65E-09	7.17E-10	6.06E-10	9.95E-09
4889	478363.09	3862377.25	2.61E-05	3.20E-05	2.81E-05	9.04E-09	2.73E-08	1.58E-08	1.94E-08	1.76E-08	8.01E-09	7.02E-09	0.00E+00	0.00E+00	2.91E-09	6.57E-10	4.17E-09	6.43E-10	5.44E-10	8.92E-09
4890	478863.09	3862377.25	2.76E-05	3.38E-05	2.96E-05	9.55E-09	2.88E-08	1.67E-08	2.05E-08	1.85E-08	8.46E-09	7.42E-09	0.00E+00	0.00E+00	3.07E-09	6.94E-10	4.41E-09	6.79E-10	5.75E-10	9.43E-09
4891	479363.09	3862377.25	3.17E-05	3.88E-05	3.40E-05	1.10E-08	3.31E-08	1.92E-08	2.35E-08	2.13E-08	9.71E-09	8.52E-09	0.00E+00	0.00E+00	3.53E-09	7.97E-10	5.06E-09	7.80E-10	6.59E-10	1.08E-08
4892	479863.09	3862377.25	3.81E-05	4.67E-05	4.09E-05	1.32E-08	3.98E-08	2.31E-08	2.82E-08	2.56E-08	1.17E-08	1.02E-08	0.00E+00	0.00E+00	4.24E-09	9.59E-10	6.08E-09	9.38E-10	7.93E-10	1.30E-08
4893	480363.09	3862377.25	4.04E-05	4.95E-05	4.34E-05	1.40E-08	4.23E-08	2.45E-08	3.00E-08	2.72E-08	1.24E-08	1.09E-08	0.00E+00	0.00E+00	4.50E-09	1.02E-09	6.46E-09	9.95E-10	8.42E-10	1.38E-08
4894	480863.09	3862377.25	4.23E-05	5.18E-05	4.54E-05	1.46E-08	4.42E-08	2.56E-08	3.13E-08	2.84E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.71E-09	1.06E-09	6.75E-09	1.04E-09	8.80E-10	1.44E-08
4895	481363.09	3862377.25	4.40E-05	5.39E-05	4.73E-05	1.52E-08	4.60E-08	2.66E-08	3.26E-08	2.96E-08	1.35E-08	1.18E-08	0.00E+00	0.00E+00	4.90E-09	1.11E-09	7.02E-09	1.08E-09	9.16E-10	1.50E-08
4896	481863.09	3862377.25	4.57E-05	5.60E-05	4.91E-05	1.58E-08	4.78E-08	2.77E-08	3.39E-08	3.07E-08	1.40E-08	1.23E-08	0.00E+00	0.00E+00	5.09E-09	1.15E-09	7.30E-09	1.13E-09	9.52E-10	1.56E-08
4897	482363.09	3862377.25	4.78E-05	5.85E-05	5.13E-05	1.65E-08	4.99E-08	2.89E-08	3.54E-08	3.21E-08	1.46E-08	1.28E-08	0.00E+00	0.00E+00	5.32E-09	1.20E-09	7.63E-09	1.18E-09	9.95E-10	1.63E-08
4898	482863.09	3862377.25	4.97E-05	6.09E-05	5.34E-05	1.72E-08	5.20E-08	3.01E-08	3.68E-08	3.34E-08	1.52E-08	1.34E-08	0.00E+00	0.00E+00	5.53E-09	1.25E-09	7.93E-09	1.22E-09	1.03E-09	1.70E-08
4899	483363.09	3862377.25	5.14E-05	6.30E-05	5.52E-05	1.78E-08	5.37E-08	3.11E-08	3.81E-08	3.45E-08	1.58E-08	1.38E-08	0.00E+00	0.00E+00	5.72E-09	1.29E-09	8.21E-09	1.27E-09	1.07E-09	1.76E-08
4900	483863.09	3862377.25	5.23E-05	6.40E-05	5.62E-05	1.81E-08	5.47E-08	3.16E-08	3.88E-08	3.51E-08	1.60E-08	1.41E-08	0.00E+00	0.00E+00	5.82E-09	1.32E-09	8.35E-09	1.29E-09	1.09E-09	1.79E-08
4901	484363.09	3862377.25	5.35E-05	6.56E-05	5.75E-05	1.85E-08	5.59E-08	3.24E-08	3.97E-08	3.60E-08	1.64E-08	1.44E-08	0.00E+00	0.00E+00	5.96E-09	1.35E-09	8.54E-09	1.32E-09	1.11E-09	1.83E-08
4902	484863.09	3862377.25	5.32E-05	6.51E-05	5.71E-05	1.84E-08	5.56E-08	3.22E-08	3.94E-08	3.57E-08	1.63E-08	1.43E-08	0.00E+00	0.00E+00	5.92E-09	1.34E-09	8.49E-09	1.31E-09	1.11E-09	1.82E-08
4903	485363.09	3862377.25	5.27E-05	6.46E-05	5.67E-05	1.83E-08	5.51E-08	3.19E-08	3.91E-08	3.54E-08	1.62E-08	1.42E-08	0.00E+00	0.00E+00	5.87E-09	1.33E-09	8.42E-09	1.30E-09	1.10E-09	1.80E-08
4904	485863.09	3862377.25	5.29E-05	6.48E-05	5.68E-05	1.83E-08	5.53E-08	3.20E-08	3.92E-08	3.55E-08	1.62E-08	1.42E-08	0.00E+00	0.00E+00	5.89E-09	1.33E-09	8.45E-09	1.30E-09	1.10E-09	1.81E-08
4905	486363.09	3862377.25	5.26E-05	6.44E-05	5.65E-05	1.82E-08	5.50E-08	3.18E-08	3.90E-08	3.53E-08	1.61E-08	1.41E-08	0.00E+00	0.00E+00	5.85E-09	1.32E-09	8.40E-09	1.29E-09	1.09E-09	1.80E-08
4906	486863.09	3862377.25	5.21E-05	6.38E-05	5.60E-05	1.80E-08	5.45E-08	3.15E-08	3.86E-08	3.50E-08	1.60E-08	1.40E-08	0.00E+00	0.00E+00	5.80E-09	1.31E-09	8.32E-09	1.28E-09	1.08E-09	1.78E-08
4907	487363.09	3862377.25	5.15E-05	6.31E-05	5.53E-05	1.78E-08	5.38E-08	3.12E-08	3.82E-08	3.46E-08	1.58E-08	1.38E-08	0.00E+00	0.00E+00	5.73E-09	1.30E-09	8.22E-09	1.27E-09	1.07E-09	1.76E-08
4908	487863.09	3862377.25	5.10E-05	6.25E-05	5.49E-05	1.77E-08	5.33E-08	3.09E-08	3.78E-08	3.43E-08	1.56E-08	1.37E-08	0.00E+00	0.00E+00	5.68E-09	1.28E-09	8.15E-09	1.26E-09	1.06E-09	1.74E-08
4909	488363.09	3862377.25	5.07E-05	6.21E-05	5.44E-05	1.75E-08	5.30E-08	3.07E-08	3.76E-08	3.40E-08	1.55E-08	1.36E-08	0.00E+00	0.00E+00	5.64E-09	1.27E-09	8.09E-09	1.25E-09	1.06E-09	1.73E-08
4910	488863.09	3862377.25	5.04E-05	6.17E-05	5.41E-05	1.74E-08	5.27E-08	3.05E-08	3.73E-08	3.39E-08	1.54E-08	1.35E-08	0.00E+00	0.00E+00	5.61E-09	1.27E-09	8.04E-09	1.24E-09	1.05E-09	1.72E-08
4911	489363.09	3862377.25	5.02E-05	6.15E-05	5.40E-05	1.74E-08	5.25E-08	3.04E-08	3.72E-08	3.37E-08	1.54E-08	1.35E-08	0.00E+00	0.00E+00	5.59E-09	1.26E-09	8.02E-09	1.24E-09	1.05E-09	1.72E-08
4912	489863.09	3862377.25	5.06E-05	6.19E-05	5.43E-05	1.75E-08	5.29E-08	3.06E-08	3.75E-08	3.40E-08	1.55E-08	1.36E-08	0.00E+00	0.00E+00	5.63E-09	1.27E-09	8.07E-09	1.24E-09	1.05E-09	1.73E-08
4913	490363.09	3862377.25	5.12E-05	6.27E-05	5.50E-05	1.77E-08	5.35E-08	3.10E-08	3.79E-08	3.44E-08	1.57E-08	1.38E-08	0.00E+00	0.00E+00	5.70E-09	1.29E-09	8.17E-09	1.26E-09	1.07E-09	1.75E-08
4914	490863.09	3862377.25	5.15E-05	6.31E-05	5.53E-05	1.78E-08	5.38E-08	3.12E-08	3.82E-08	3.46E-08	1.58E-08	1.38E-08	0.00E+00	0.00E+00	5.73E-09	1.30E-09	8.22E-09	1.27E-09	1.07E-09	1.76E-08
4915	491363.09	3862377.25	5.16E-05	6.31E-05	5.54E-05	1.78E-08	5.39E-08	3.12E-08	3.82E-08	3.46E-08	1.58E-08	1.39E-08	0.00E+00	0.00E+00	5.74E-09	1.30E-09	8.23E-09	1.27E-09	1.07E-09	1.76E-08
4916	491863.09	3862377.25	5.16E-05	6.32E-05	5.54E-05	1.79E-08	5.40E-08	3.12E-08	3.83E-08	3.47E-08	1.58E-08	1.39E-08	0.00E+00	0.00E+00	5.75E-09	1.30E-09	8.24E-09	1.27E-09	1.07E-09	1.76E-08
4917	492363.09	3862377.25	5.25E-05	6.44E-05	5.64E-05	1.82E-08	5.49E-08	3.18E-08	3.89E-08	3.53E-08	1.61E-08	1.41E-08	0.00E+00	0.00E+00	5.85E-09	1.32E-09	8.39E-09	1.29E-09	1.09E-09	1.79E-08
4918	492863.09	3862377.25	5.18E-05	6.34E-05	5.56E-05	1.79E-08	5.41E-08	3.13E-08	3.84E-08	3.48E-08	1.59E-08	1.39E-08	0.00E+00	0.00E+00	5.77E-09	1.30E-09	8.27E-09	1.28E-09	1.08E-09	1.77E-08
4919	493363.09	3862377.25	4.95E-05	6.07E-05	5.32E-05	1.71E-08	5.18E-08	3.00E-08	3.67E-08	3.33E-08	1.52E-08	1.33E-08	0.00E+00	0.00E+00	5.51E-09	1.25E-09	7.91E-09	1.22E-09	1.03E-09	1.69E-08
4920	493863.09	3862377.25	4.76E-05	5.83E-05	5.11E-05	1.65E-08	4.97E-08	2.88E-08	3.53E-08	3.20E-08	1.46E-08	1.28E-08	0.00E+00	0.00E+00	5.30E-09	1.20E-09	7.59E-09	1.17E-09	9.90E-10	1.62E-08
4921	494363.09	3862377.25	4.66E-05	5.71E-05	5.01E-05	1.61E-08	4.88E-08	2.82E-08	3.46E-08	3.13E-08	1.43E-08	1.25E-08	0.00E+00	0.00E+00	5.19E-09	1.17E-09	7.45E-09	1.15E-09	9.71E-10	1.59E-08
4922	494863.09	3862377.25	4.67E-05	5.72E-05	5.01E-05	1.62E-08	4.88E-08	2.83E-08	3.46E-08	3.14E-08	1.43E-08	1.25E-08	0.00E+00	0.00E+00	5.20E-09	1.17E-09	7.45E-09	1.15E-09	9.72E-10	1.59E-08
4923	495363.09	3862377.25	4.69E-05	5.74E-05	5.04E-05	1.62E-08	4.90E-08	2.84E-08	3.48E-08	3.15E-08	1.44E-08	1.26E-08	0.00E+00	0.00E+00	5.22E-09	1.18E-09	7.49E-09	1.15E-09	9.76E-10	1.60E-08

4924	495863.09	3862377.25	4.76E-05	5.83E-05	5.11E-05	1.65E-08	4.98E-08	2.88E-08	3.53E-08	3.20E-08	1.46E-08	1.28E-08	0.00E+00	0.00E+00	5.30E-09	1.20E-09	7.60E-09	1.17E-09	9.91E-10	1.63E-08
4925	496363.09	3862377.25	4.83E-05	5.91E-05	5.18E-05	1.67E-08	5.04E-08	2.92E-08	3.58E-08	3.24E-08	1.48E-08	1.30E-08	0.00E+00	0.00E+00	5.37E-09	1.21E-09	7.70E-09	1.19E-09	1.00E-09	1.65E-08
4926	496863.09	3862377.25	4.92E-05	6.03E-05	5.28E-05	1.70E-08	5.14E-08	2.98E-08	3.65E-08	3.31E-08	1.51E-08	1.32E-08	0.00E+00	0.00E+00	5.48E-09	1.24E-09	7.86E-09	1.21E-09	1.02E-09	1.68E-08
4927	497363.09	3862377.25	4.89E-05	5.99E-05	5.25E-05	1.69E-08	5.11E-08	2.96E-08	3.63E-08	3.29E-08	1.50E-08	1.31E-08	0.00E+00	0.00E+00	5.45E-09	1.23E-09	7.81E-09	1.20E-09	1.02E-09	1.67E-08
4928	497863.09	3862377.25	4.85E-05	5.93E-05	5.20E-05	1.68E-08	5.06E-08	2.93E-08	3.59E-08	3.25E-08	1.49E-08	1.30E-08	0.00E+00	0.00E+00	5.39E-09	1.22E-09	7.73E-09	1.19E-09	1.01E-09	1.65E-08
4929	498363.09	3862377.25	4.75E-05	5.81E-05	5.10E-05	1.64E-08	4.96E-08	2.87E-08	3.52E-08	3.19E-08	1.45E-08	1.28E-08	0.00E+00	0.00E+00	5.28E-09	1.19E-09	7.58E-09	1.17E-09	9.87E-10	1.62E-08
4930	471363.09	3862877.25	1.83E-05	2.24E-05	1.97E-05	6.34E-09	1.91E-08	1.11E-08	1.36E-08	1.23E-08	5.61E-09	4.92E-09	0.00E+00	0.00E+00	2.04E-09	4.60E-10	2.92E-09	4.51E-10	3.81E-10	6.25E-09
4931	471863.09	3862877.25	1.89E-05	2.32E-05	2.03E-05	6.55E-09	1.98E-08	1.14E-08	1.40E-08	1.27E-08	5.80E-09	5.09E-09	0.00E+00	0.00E+00	2.11E-09	4.76E-10	3.02E-09	4.66E-10	3.94E-10	6.46E-09
4932	472363.09	3862877.25	1.96E-05	2.40E-05	2.10E-05	6.77E-09	2.05E-08	1.18E-08	1.45E-08	1.31E-08	6.00E-09	5.26E-09	0.00E+00	0.00E+00	2.18E-09	4.92E-10	3.12E-09	4.82E-10	4.07E-10	6.68E-09
4933	472863.09	3862877.25	2.03E-05	2.48E-05	2.18E-05	7.02E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.22E-09	5.45E-09	0.00E+00	0.00E+00	2.26E-09	5.10E-10	3.24E-09	4.99E-10	4.22E-10	6.93E-09
4934	473363.09	3862877.25	2.10E-05	2.57E-05	2.26E-05	7.28E-09	2.20E-08	1.27E-08	1.56E-08	1.41E-08	6.44E-09	5.65E-09	0.00E+00	0.00E+00	2.34E-09	5.29E-10	3.36E-09	5.17E-10	4.38E-10	7.18E-09
4935	473863.09	3862877.25	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.87E-09	0.00E+00	0.00E+00	2.43E-09	5.49E-10	3.48E-09	5.37E-10	4.54E-10	7.45E-09
4936	474363.09	3862877.25	2.26E-05	2.77E-05	2.43E-05	7.84E-09	2.37E-08	1.37E-08	1.68E-08	1.52E-08	6.94E-09	6.09E-09	0.00E+00	0.00E+00	2.52E-09	5.70E-10	3.61E-09	5.57E-10	4.71E-10	7.73E-09
4937	474863.09	3862877.25	2.35E-05	2.88E-05	2.53E-05	8.14E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.21E-09	6.32E-09	0.00E+00	0.00E+00	2.62E-09	5.92E-10	3.75E-09	5.79E-10	4.89E-10	8.03E-09
4938	475363.09	3862877.25	2.43E-05	2.98E-05	2.61E-05	8.42E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.46E-09	6.54E-09	0.00E+00	0.00E+00	2.71E-09	6.12E-10	3.88E-09	5.99E-10	5.06E-10	8.31E-09
4939	475863.09	3862877.25	2.52E-05	3.09E-05	2.71E-05	8.72E-09	2.63E-08	1.52E-08	1.87E-08	1.69E-08	7.72E-09	6.77E-09	0.00E+00	0.00E+00	2.80E-09	6.34E-10	4.02E-09	6.20E-10	5.24E-10	8.61E-09
4940	476363.09	3862877.25	2.61E-05	3.20E-05	2.80E-05	9.04E-09	2.73E-08	1.58E-08	1.94E-08	1.75E-08	8.01E-09	7.02E-09	0.00E+00	0.00E+00	2.91E-09	6.57E-10	4.17E-09	6.43E-10	5.43E-10	8.92E-09
4941	476863.09	3862877.25	2.72E-05	3.33E-05	2.92E-05	9.41E-09	2.84E-08	1.65E-08	2.02E-08	1.83E-08	8.34E-09	7.31E-09	0.00E+00	0.00E+00	3.03E-09	6.84E-10	4.34E-09	6.69E-10	5.66E-10	9.29E-09
4942	477363.09	3862877.25	2.84E-05	3.48E-05	3.05E-05	9.83E-09	2.97E-08	1.72E-08	2.11E-08	1.91E-08	8.71E-09	7.63E-09	0.00E+00	0.00E+00	3.16E-09	7.15E-10	4.53E-09	6.99E-10	5.91E-10	9.70E-09
4943	477863.09	3862877.25	2.89E-05	3.53E-05	3.10E-05	9.99E-09	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.85E-09	7.76E-09	0.00E+00	0.00E+00	3.21E-09	7.26E-10	4.61E-09	7.10E-10	6.01E-10	9.86E-09
4944	478363.09	3862877.25	2.74E-05	3.36E-05	2.94E-05	9.49E-09	2.86E-08	1.66E-08	2.03E-08	1.84E-08	8.40E-09	7.37E-09	0.00E+00	0.00E+00	3.05E-09	6.89E-10	4.37E-09	6.75E-10	5.70E-10	9.36E-09
4945	478863.09	3862877.25	2.88E-05	3.53E-05	3.09E-05	9.97E-09	3.01E-08	1.74E-08	2.13E-08	1.93E-08	8.83E-09	7.74E-09	0.00E+00	0.00E+00	3.21E-09	7.24E-10	4.60E-09	7.09E-10	5.99E-10	9.83E-09
4946	479363.09	3862877.25	3.08E-05	3.77E-05	3.30E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.43E-09	8.27E-09	0.00E+00	0.00E+00	3.42E-09	7.74E-10	4.91E-09	7.57E-10	6.40E-10	1.05E-08
4947	479863.09	3862877.25	3.57E-05	4.37E-05	3.83E-05	1.23E-08	3.73E-08	2.16E-08	2.64E-08	2.40E-08	1.09E-08	9.59E-09	0.00E+00	0.00E+00	3.97E-09	8.97E-10	5.69E-09	8.78E-10	7.42E-10	1.22E-08
4948	480363.09	3862877.25	3.71E-05	4.54E-05	3.99E-05	1.28E-08	3.88E-08	2.25E-08	2.75E-08	2.49E-08	1.14E-08	9.97E-09	0.00E+00	0.00E+00	4.13E-09	9.33E-10	5.92E-09	9.13E-10	7.72E-10	1.27E-08
4949	480863.09	3862877.25	3.86E-05	4.73E-05	4.15E-05	1.34E-08	4.03E-08	2.34E-08	2.86E-08	2.59E-08	1.18E-08	1.04E-08	0.00E+00	0.00E+00	4.30E-09	9.71E-10	6.16E-09	9.50E-10	8.04E-10	1.32E-08
4950	481363.09	3862877.25	3.97E-05	4.87E-05	4.27E-05	1.38E-08	4.15E-08	2.40E-08	2.94E-08	2.67E-08	1.22E-08	1.07E-08	0.00E+00	0.00E+00	4.42E-09	9.99E-10	6.34E-09	9.78E-10	8.28E-10	1.36E-08
4951	481863.09	3862877.25	4.17E-05	5.11E-05	4.48E-05	1.44E-08	4.36E-08	2.52E-08	3.09E-08	2.80E-08	1.28E-08	1.12E-08	0.00E+00	0.00E+00	4.64E-09	1.05E-09	6.66E-09	1.03E-09	8.68E-10	1.42E-08
4952	482363.09	3862877.25	4.30E-05	5.26E-05	4.62E-05	1.49E-08	4.49E-08	2.60E-08	3.18E-08	2.89E-08	1.32E-08	1.16E-08	0.00E+00	0.00E+00	4.78E-09	1.08E-09	6.86E-09	1.06E-09	8.95E-10	1.47E-08
4953	482863.09	3862877.25	4.46E-05	5.46E-05	4.79E-05	1.54E-08	4.66E-08	2.70E-08	3.31E-08	3.00E-08	1.37E-08	1.20E-08	0.00E+00	0.00E+00	4.96E-09	1.12E-09	7.12E-09	1.10E-09	9.28E-10	1.52E-08
4954	483363.09	3862877.25	4.58E-05	5.60E-05	4.92E-05	1.58E-08	4.78E-08	2.77E-08	3.39E-08	3.07E-08	1.40E-08	1.23E-08	0.00E+00	0.00E+00	5.09E-09	1.15E-09	7.30E-09	1.13E-09	9.53E-10	1.56E-08
4955	483863.09	3862877.25	4.65E-05	5.70E-05	5.00E-05	1.61E-08	4.86E-08	2.82E-08	3.45E-08	3.13E-08	1.43E-08	1.25E-08	0.00E+00	0.00E+00	5.18E-09	1.17E-09	7.43E-09	1.15E-09	9.68E-10	1.59E-08
4956	484363.09	3862877.25	4.72E-05	5.78E-05	5.07E-05	1.63E-08	4.93E-08	2.85E-08	3.50E-08	3.17E-08	1.45E-08	1.27E-08	0.00E+00	0.00E+00	5.25E-09	1.19E-09	7.53E-09	1.16E-09	9.82E-10	1.61E-08
4957	484863.09	3862877.25	4.66E-05	5.71E-05	5.01E-05	1.61E-08	4.87E-08	2.82E-08	3.46E-08	3.13E-08	1.43E-08	1.25E-08	0.00E+00	0.00E+00	5.19E-09	1.17E-09	7.44E-09	1.15E-09	9.71E-10	1.59E-08
4958	485363.09	3862877.25	4.65E-05	5.69E-05	4.99E-05	1.61E-08	4.86E-08	2.81E-08	3.44E-08	3.12E-08	1.42E-08	1.25E-08	0.00E+00	0.00E+00	5.17E-09	1.17E-09	7.42E-09	1.14E-09	9.68E-10	1.59E-08
4959	485863.09	3862877.25	4.62E-05	5.66E-05	4.97E-05	1.60E-08	4.83E-08	2.80E-08	3.43E-08	3.11E-08	1.42E-08	1.24E-08	0.00E+00	0.00E+00	5.15E-09	1.16E-09	7.38E-09	1.14E-09	9.63E-10	1.58E-08
4960	486363.09	3862877.25	4.63E-05	5.67E-05	4.97E-05	1.60E-08	4.84E-08	2.80E-08	3.43E-08	3.11E-08	1.42E-08	1.24E-08	0.00E+00	0.00E+00	5.15E-09	1.16E-09	7.39E-09	1.14E-09	9.63E-10	1.58E-08
4961	486863.09	3862877.25	4.55E-05	5.57E-05	4.89E-05	1.57E-08	4.75E-08	2.75E-08	3.37E-08	3.06E-08	1.39E-08	1.22E-08	0.00E+00	0.00E+00	5.06E-09	1.14E-09	7.26E-09	1.12E-09	9.47E-10	1.55E-08
4962	487363.09	3862877.25	4.51E-05	5.52E-05	4.84E-05	1.56E-08	4.71E-08	2.73E-08	3.34E-08	3.03E-08	1.38E-08	1.21E-08	0.00E+00	0.00E+00	5.02E-09	1.13E-09	7.19E-09	1.11E-09	9.38E-10	1.54E-08
4963	487863.09	3862877.25	4.47E-05	5.47E-05	4.80E-05	1.55E-08	4.67E-08	2.70E-08	3.31E-08	3.00E-08	1.37E-08	1.20E-08	0.00E+00	0.00E+00	4.97E-09	1.12E-09	7.13E-09	1.10E-09	9.31E-10	1.53E-08
4964	488363.09	3862877.25	4.45E-05	5.45E-05	4.78E-05	1.54E-08	4.65E-08	2.69E-08	3.30E-08	2.99E-08	1.36E-08	1.20E-08	0.00E+00	0.00E+00	4.95E-09	1.12E-09	7.10E-09	1.10E-09	9.26E-10	1.52E-08
4965	488863.09	3862877.25	4.42E-05	5.41E-05	4.74E-05	1.53E-08	4.62E-08	2.67E-08	3.27E-08	2.97E-08	1.35E-08	1.19E-08	0.00E+00	0.00E+00	4.92E-09	1.11E-09	7.05E-09	1.09E-09	9.19E-10	1.51E-08
4966	489363.09	3862877.25	4.39E-05	5.37E-05	4.71E-05	1.52E-08	4.58E-08	2.65E-08	3.25E-08	2.95E-08	1.34E-08	1.18E-08	0.00E+00	0.00E+00	4.88E-09	1.10E-09	7.00E-09	1.08E-09	9.13E-10	1.50E-08
4967	489863.09	3862877.25	4.40E-05	5.38E-05	4.72E-05	1.52E-08	4.60E-08	2.66E-08	3.26E-08	2.95E-08	1.35E-08	1.18E-08	0.00E+00	0.00E+00	4.89E-09	1.11E-09	7.02E-09	1.08E-09	9.15E-10	1.50E-08
4968	490363.09	3862877.25	4.43E-05	5.43E-05	4.76E-05	1.53E-08	4.63E-08	2.68E-08	3.29E-08	2.98E-08	1.36E-08	1.19E-08	0.00E+00	0.00E+00	4.93E-09	1.12E-09	7.08E-09	1.09E-09	9.23E-10	1.51E-08
4969	490863.09	3862877.25	4.48E-05	5.48E-05	4.81E-05	1.55E-08	4.68E-08	2.71E-08	3.32E-08	3.01E-08	1.37E-08	1.20E-08	0.00E+00	0.00E+00	4.98E-09	1.13E-09	7.15E-09	1.10E-09	9.32E-10	1.53E-08
4970	491363.09	3862877.25	4.55E-05	5.57E-05	4.88E-05	1.57E-08	4.75E-08	2.75E-08	3.37E-08	3.05E-08	1.39E-08	1.22E-08	0.00E+00	0.00E+00	5.06E-09	1.14E-09	7.26E-09	1.12E-09	9.46E-10	1.55E-08
4971	491863.09	3862877.25	4.49E-05	5.50E-05	4.82E-05	1.55E-08	4.69E-08	2.72E-08	3.33E-08	3.02E-08	1.38E-08	1.21E-08	0.00E+00	0.00E+00	5.00E-09	1.13E-09	7.17E-09	1.11E-09	9.35E-10	1.53E-08
4972	492363.09	3862877.25	4.52E-05	5.54E-05	4.86E-05	1.57E-08	4.73E-08	2.74E-08	3.35E-08	3.04E-08	1.39E-08	1.22E-08	0.00E+00	0.00E+00	5.03E-09	1.14E-09	7.22E-09	1.11E-09	9.41E-10	1.54E-08
4973	492863.09	3862877.25	4.59E-05	5.62E-05	4.93E-05	1.59E-08	4.80E-08	2.78E-08	3.40E-08	3.08E-08	1.41E-08	1.23E-08	0.00E+00	0.00E+00	5.11E-09	1.16E-09	7.33E-09	1.13E-09	9.56E-10	1.57E-08
4974	493363.09	3862877.25	4.56E-05	5.59E-05	4.90E-05	1.58E-08	4.77E-08	2.76E-08	3.38E-08	3.07E-08	1.40E-08	1.23E-08	0.00E+00	0.00E+00	5.08E-09	1.15E-09	7.28E-09	1.12E-09	9.49E-10	1.56E-08
4975	493863.09	3862877.25	4.40E-05	5.39E-05	4.73E-05	1.52E-08	4.60E-08	2.66E-08	3.26E-08	2.96E-08	1.35E-08	1.18E-08	0.00E+00	0.00E+00	4.90E-09	1.11E-09	7.02E-09	1.08E-09	9.16E-10	1.50E-08
4976	494363.09	3862877.25	4.22E-05	5.16E-05	4.53E-05	1.46E-08	4.41E-08	2.55E-08	3.12E-08	2.83E-08	1.29E-08	1.13E-08	0.00E+00	0.00E+00	4.69E-09	1.06E-09	6.73E-09	1.04E-09	8.77E-10	1.44E-08
4977	494863.09	3862877.25	4.08E-05	5.00E-05	4.38E-05	1.41E-08	4.27E-08	2.47E-08	3.02E-08	2.74E-08	1.25E-08	1.10E-08	0.00E+00	0.00E+00	4.54E-09	1.03E-09	6.51E-09	1.00E-09	8.49E-10	1.39E-08
4978	495363.09	3862877.25	4.04E-05	4.95E-05	4.34E-05	1.40E-08	4.22E-08	2.44E-08	2.99E-08	2.71E-08	1.24E-08	1.09E-08	0.00E+00	0.00E+00	4.50E-09	1.02E-09	6.45E-09	9.94E-10	8.40E-10	1.38E-08
4979	495863.09	3862877.25	4.06E-05	4.97E-05	4.36E-05	1.40E-08	4.24E-08	2.45E-08	3.01E-08	2.73E-08	1.24E-08	1.09E-08	0.00E+00	0.00E+00	4.52E-09	1.02E-09	6.48E-09	9.99E-10	8.44E-10	1.39E-08
4980	496363.09	3862877.25	4.11E-05	5.03E-05	4.41E-05	1.42E-08	4.29E-08	2.48E-08	3.04E-08	2.76E-08	1.26E-08	1.10E-08	0.00E+00	0.00E+00	4.57E-09	1.03E-09	6.55E-09	1.01E-09	8.54E-10	1.40E-08
4981	496863.09	3862877.25	4.17E-05	5.10E-05	4.47E-05	1.44E-08	4.35E-08	2.52E-08	3.09E-08	2.80E-08	1.28E-08	1.12E-08	0.00E+00	0.00E+00	4.64E-09	1.05E-09	6.65E-09	1.03E-09	8.67E-10	1.42E-08

4982	497363.09	3862877.25	4.21E-05	5.15E-05	4.51E-05	1.46E-08	4.40E-08	2.54E-08	3.12E-08	2.83E-08	1.29E-08	1.13E-08	0.00E+00	0.00E+00	4.68E-09	1.06E-09	6.71E-09	1.04E-09	8.75E-10	1.44E-08
4983	497863.09	3862877.25	4.23E-05	5.18E-05	4.54E-05	1.47E-08	4.42E-08	2.56E-08	3.14E-08	2.84E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.71E-09	1.06E-09	6.76E-09	1.04E-09	8.81E-10	1.45E-08
4984	498363.09	3862877.25	4.24E-05	5.20E-05	4.55E-05	1.47E-08	4.44E-08	2.57E-08	3.14E-08	2.85E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.72E-09	1.07E-09	6.77E-09	1.04E-09	8.83E-10	1.45E-08
4985	471363.09	3863377.25	1.76E-05	2.15E-05	1.89E-05	6.08E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.38E-09	4.72E-09	0.00E+00	0.00E+00	1.95E-09	4.42E-10	2.80E-09	4.32E-10	3.66E-10	6.00E-09
4986	471863.09	3863377.25	1.81E-05	2.22E-05	1.95E-05	6.28E-09	1.90E-08	1.10E-08	1.34E-08	1.22E-08	5.56E-09	4.88E-09	0.00E+00	0.00E+00	2.02E-09	4.56E-10	2.89E-09	4.46E-10	3.78E-10	6.19E-09
4987	472363.09	3863377.25	1.88E-05	2.30E-05	2.01E-05	6.49E-09	1.96E-08	1.13E-08	1.39E-08	1.26E-08	5.75E-09	5.04E-09	0.00E+00	0.00E+00	2.09E-09	4.72E-10	2.99E-09	4.62E-10	3.90E-10	6.41E-09
4988	472863.09	3863377.25	1.94E-05	2.37E-05	2.08E-05	6.70E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.93E-09	5.20E-09	0.00E+00	0.00E+00	2.16E-09	4.87E-10	3.09E-09	4.77E-10	4.03E-10	6.61E-09
4989	473363.09	3863377.25	2.00E-05	2.45E-05	2.15E-05	6.93E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.13E-09	5.38E-09	0.00E+00	0.00E+00	2.23E-09	5.03E-10	3.19E-09	4.92E-10	4.16E-10	6.83E-09
4990	473863.09	3863377.25	2.07E-05	2.54E-05	2.22E-05	7.17E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.35E-09	5.56E-09	0.00E+00	0.00E+00	2.30E-09	5.21E-10	3.30E-09	5.10E-10	4.31E-10	7.07E-09
4991	474363.09	3863377.25	2.14E-05	2.62E-05	2.30E-05	7.41E-09	2.24E-08	1.29E-08	1.59E-08	1.44E-08	6.56E-09	5.75E-09	0.00E+00	0.00E+00	2.38E-09	5.38E-10	3.42E-09	5.27E-10	4.45E-10	7.31E-09
4992	474863.09	3863377.25	2.20E-05	2.70E-05	2.37E-05	7.63E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.75E-09	5.92E-09	0.00E+00	0.00E+00	2.45E-09	5.54E-10	3.52E-09	5.42E-10	4.58E-10	7.52E-09
4993	475363.09	3863377.25	2.28E-05	2.79E-05	2.44E-05	7.88E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.98E-09	6.12E-09	0.00E+00	0.00E+00	2.53E-09	5.73E-10	3.63E-09	5.60E-10	4.74E-10	7.77E-09
4994	475863.09	3863377.25	2.35E-05	2.88E-05	2.52E-05	8.14E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.21E-09	6.32E-09	0.00E+00	0.00E+00	2.62E-09	5.91E-10	3.75E-09	5.79E-10	4.89E-10	8.03E-09
4995	476363.09	3863377.25	2.43E-05	2.98E-05	2.61E-05	8.43E-09	2.54E-08	1.47E-08	1.80E-08	1.64E-08	7.46E-09	6.54E-09	0.00E+00	0.00E+00	2.71E-09	6.13E-10	3.89E-09	5.99E-10	5.07E-10	8.32E-09
4996	476863.09	3863377.25	2.53E-05	3.10E-05	2.72E-05	8.77E-09	2.65E-08	1.53E-08	1.88E-08	1.70E-08	7.76E-09	6.81E-09	0.00E+00	0.00E+00	2.82E-09	6.37E-10	4.04E-09	6.23E-10	5.27E-10	8.65E-09
4997	477363.09	3863377.25	2.65E-05	3.24E-05	2.84E-05	9.16E-09	2.77E-08	1.60E-08	1.96E-08	1.78E-08	8.12E-09	7.12E-09	0.00E+00	0.00E+00	2.95E-09	6.66E-10	4.23E-09	6.52E-10	5.51E-10	9.04E-09
4998	477863.09	3863377.25	2.76E-05	3.38E-05	2.96E-05	9.54E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.45E-09	7.41E-09	0.00E+00	0.00E+00	3.07E-09	6.93E-10	4.40E-09	6.78E-10	5.74E-10	9.41E-09
4999	478363.09	3863377.25	2.80E-05	3.43E-05	3.01E-05	9.70E-09	2.93E-08	1.70E-08	2.08E-08	1.88E-08	8.59E-09	7.53E-09	0.00E+00	0.00E+00	3.12E-09	7.05E-10	4.47E-09	6.90E-10	5.83E-10	9.57E-09
5000	478863.09	3863377.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.11E-08	1.80E-08	2.20E-08	2.00E-08	9.11E-09	7.99E-09	0.00E+00	0.00E+00	3.31E-09	7.48E-10	4.74E-09	7.31E-10	6.19E-10	1.01E-08
5001	479363.09	3863377.25	3.16E-05	3.88E-05	3.40E-05	1.10E-08	3.31E-08	1.91E-08	2.34E-08	2.13E-08	9.70E-09	8.51E-09	0.00E+00	0.00E+00	3.52E-09	7.96E-10	5.05E-09	7.79E-10	6.59E-10	1.08E-08
5002	479863.09	3863377.25	3.27E-05	4.01E-05	3.51E-05	1.13E-08	3.42E-08	1.98E-08	2.42E-08	2.20E-08	1.00E-08	8.79E-09	0.00E+00	0.00E+00	3.64E-09	8.23E-10	5.22E-09	8.05E-10	6.81E-10	1.12E-08
5003	480363.09	3863377.25	3.39E-05	4.15E-05	3.64E-05	1.17E-08	3.54E-08	2.05E-08	2.51E-08	2.28E-08	1.04E-08	9.11E-09	0.00E+00	0.00E+00	3.77E-09	8.53E-10	5.41E-09	8.34E-10	7.06E-10	1.16E-08
5004	480863.09	3863377.25	3.51E-05	4.30E-05	3.78E-05	1.22E-08	3.67E-08	2.13E-08	2.60E-08	2.36E-08	1.08E-08	9.45E-09	0.00E+00	0.00E+00	3.91E-09	8.84E-10	5.61E-09	8.65E-10	7.32E-10	1.20E-08
5005	481363.09	3863377.25	3.61E-05	4.42E-05	3.88E-05	1.25E-08	3.77E-08	2.18E-08	2.67E-08	2.42E-08	1.11E-08	9.71E-09	0.00E+00	0.00E+00	4.02E-09	9.08E-10	5.76E-09	8.88E-10	7.52E-10	1.23E-08
5006	481863.09	3863377.25	3.75E-05	4.60E-05	4.03E-05	1.30E-08	3.92E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	0.00E+00	0.00E+00	4.18E-09	9.44E-10	5.99E-09	9.24E-10	7.81E-10	1.28E-08
5007	482363.09	3863377.25	3.90E-05	4.78E-05	4.19E-05	1.35E-08	4.07E-08	2.36E-08	2.89E-08	2.62E-08	1.20E-08	1.05E-08	0.00E+00	0.00E+00	4.34E-09	9.81E-10	6.22E-09	9.60E-10	8.12E-10	1.33E-08
5008	482863.09	3863377.25	4.00E-05	4.89E-05	4.29E-05	1.38E-08	4.18E-08	2.42E-08	2.96E-08	2.68E-08	1.22E-08	1.07E-08	0.00E+00	0.00E+00	4.45E-09	1.01E-09	6.38E-09	9.84E-10	8.32E-10	1.36E-08
5009	483363.09	3863377.25	4.08E-05	5.00E-05	4.38E-05	1.41E-08	4.27E-08	2.47E-08	3.03E-08	2.74E-08	1.25E-08	1.10E-08	0.00E+00	0.00E+00	4.54E-09	1.03E-09	6.52E-09	1.00E-09	8.50E-10	1.39E-08
5010	483863.09	3863377.25	4.15E-05	5.08E-05	4.45E-05	1.44E-08	4.33E-08	2.51E-08	3.07E-08	2.79E-08	1.27E-08	1.11E-08	0.00E+00	0.00E+00	4.62E-09	1.04E-09	6.62E-09	1.02E-09	8.63E-10	1.42E-08
5011	484363.09	3863377.25	4.16E-05	5.10E-05	4.47E-05	1.44E-08	4.35E-08	2.52E-08	3.09E-08	2.80E-08	1.28E-08	1.12E-08	0.00E+00	0.00E+00	4.64E-09	1.05E-09	6.65E-09	1.03E-09	8.67E-10	1.42E-08
5012	484863.09	3863377.25	4.16E-05	5.09E-05	4.47E-05	1.44E-08	4.35E-08	2.52E-08	3.08E-08	2.79E-08	1.27E-08	1.12E-08	0.00E+00	0.00E+00	4.63E-09	1.05E-09	6.64E-09	1.02E-09	8.66E-10	1.42E-08
5013	485363.09	3863377.25	4.11E-05	5.04E-05	4.42E-05	1.42E-08	4.30E-08	2.49E-08	3.05E-08	2.76E-08	1.26E-08	1.11E-08	0.00E+00	0.00E+00	4.58E-09	1.03E-09	6.56E-09	1.01E-09	8.56E-10	1.40E-08
5014	485863.09	3863377.25	4.10E-05	5.02E-05	4.40E-05	1.42E-08	4.28E-08	2.48E-08	3.03E-08	2.75E-08	1.26E-08	1.10E-08	0.00E+00	0.00E+00	4.56E-09	1.03E-09	6.54E-09	1.01E-09	8.52E-10	1.40E-08
5015	486363.09	3863377.25	4.07E-05	4.99E-05	4.37E-05	1.41E-08	4.26E-08	2.46E-08	3.02E-08	2.74E-08	1.25E-08	1.09E-08	0.00E+00	0.00E+00	4.53E-09	1.02E-09	6.50E-09	1.00E-09	8.48E-10	1.39E-08
5016	486863.09	3863377.25	4.04E-05	4.95E-05	4.34E-05	1.40E-08	4.22E-08	2.44E-08	2.99E-08	2.71E-08	1.24E-08	1.09E-08	0.00E+00	0.00E+00	4.50E-09	1.02E-09	6.45E-09	9.95E-10	8.41E-10	1.38E-08
5017	487363.09	3863377.25	4.00E-05	4.90E-05	4.30E-05	1.39E-08	4.18E-08	2.42E-08	2.97E-08	2.69E-08	1.23E-08	1.08E-08	0.00E+00	0.00E+00	4.45E-09	1.01E-09	6.39E-09	9.85E-10	8.33E-10	1.37E-08
5018	487863.09	3863377.25	3.96E-05	4.85E-05	4.25E-05	1.37E-08	4.14E-08	2.39E-08	2.93E-08	2.66E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.41E-09	9.95E-10	6.32E-09	9.74E-10	8.24E-10	1.35E-08
5019	488363.09	3863377.25	3.94E-05	4.82E-05	4.23E-05	1.36E-08	4.12E-08	2.38E-08	2.92E-08	2.65E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.39E-09	9.91E-10	6.29E-09	9.70E-10	8.20E-10	1.35E-08
5020	488863.09	3863377.25	3.92E-05	4.80E-05	4.21E-05	1.36E-08	4.10E-08	2.37E-08	2.90E-08	2.63E-08	1.20E-08	1.05E-08	0.00E+00	0.00E+00	4.36E-09	9.86E-10	6.25E-09	9.65E-10	8.16E-10	1.34E-08
5021	489363.09	3863377.25	3.88E-05	4.75E-05	4.17E-05	1.34E-08	4.05E-08	2.35E-08	2.87E-08	2.61E-08	1.19E-08	1.04E-08	0.00E+00	0.00E+00	4.32E-09	9.76E-10	6.19E-09	9.55E-10	8.07E-10	1.32E-08
5022	489863.09	3863377.25	3.87E-05	4.73E-05	4.15E-05	1.34E-08	4.04E-08	2.34E-08	2.86E-08	2.60E-08	1.18E-08	1.04E-08	0.00E+00	0.00E+00	4.30E-09	9.72E-10	6.17E-09	9.51E-10	8.05E-10	1.32E-08
5023	490363.09	3863377.25	3.88E-05	4.76E-05	4.17E-05	1.34E-08	4.06E-08	2.35E-08	2.88E-08	2.61E-08	1.19E-08	1.04E-08	0.00E+00	0.00E+00	4.32E-09	9.77E-10	6.20E-09	9.56E-10	8.08E-10	1.33E-08
5024	490863.09	3863377.25	3.94E-05	4.83E-05	4.23E-05	1.36E-08	4.12E-08	2.39E-08	2.92E-08	2.65E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.39E-09	9.92E-10	6.29E-09	9.71E-10	8.21E-10	1.35E-08
5025	491363.09	3863377.25	3.96E-05	4.85E-05	4.25E-05	1.37E-08	4.14E-08	2.40E-08	2.93E-08	2.66E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.41E-09	9.96E-10	6.32E-09	9.75E-10	8.24E-10	1.35E-08
5026	491863.09	3863377.25	3.97E-05	4.87E-05	4.27E-05	1.38E-08	4.15E-08	2.40E-08	2.95E-08	2.67E-08	1.22E-08	1.07E-08	0.00E+00	0.00E+00	4.42E-09	1.00E-09	6.34E-09	9.78E-10	8.27E-10	1.36E-08
5027	492363.09	3863377.25	4.02E-05	4.92E-05	4.31E-05	1.39E-08	4.20E-08	2.43E-08	2.98E-08	2.70E-08	1.23E-08	1.08E-08	0.00E+00	0.00E+00	4.47E-09	1.01E-09	6.41E-09	9.89E-10	8.36E-10	1.37E-08
5028	492863.09	3863377.25	4.13E-05	5.06E-05	4.43E-05	1.43E-08	4.32E-08	2.50E-08	3.06E-08	2.77E-08	1.27E-08	1.11E-08	0.00E+00	0.00E+00	4.60E-09	1.04E-09	6.59E-09	1.02E-09	8.59E-10	1.41E-08
5029	493363.09	3863377.25	4.26E-05	5.22E-05	4.57E-05	1.47E-08	4.45E-08	2.58E-08	3.16E-08	2.86E-08	1.31E-08	1.14E-08	0.00E+00	0.00E+00	4.74E-09	1.07E-09	6.80E-09	1.05E-09	8.86E-10	1.45E-08
5030	493863.09	3863377.25	4.22E-05	5.17E-05	4.54E-05	1.46E-08	4.42E-08	2.56E-08	3.13E-08	2.84E-08	1.29E-08	1.14E-08	0.00E+00	0.00E+00	4.70E-09	1.06E-09	6.74E-09	1.04E-09	8.79E-10	1.44E-08
5031	494363.09	3863377.25	4.03E-05	4.93E-05	4.32E-05	1.39E-08	4.21E-08	2.44E-08	2.98E-08	2.71E-08	1.23E-08	1.08E-08	0.00E+00	0.00E+00	4.48E-09	1.01E-09	6.43E-09	9.91E-10	8.38E-10	1.38E-08
5032	494863.09	3863377.25	3.87E-05	4.74E-05	4.15E-05	1.34E-08	4.04E-08	2.34E-08	2.87E-08	2.60E-08	1.19E-08	1.04E-08	0.00E+00	0.00E+00	4.31E-09	9.73E-10	6.17E-09	9.52E-10	8.05E-10	1.32E-08
5033	495363.09	3863377.25	3.79E-05	4.64E-05	4.07E-05	1.31E-08	3.96E-08	2.29E-08	2.81E-08	2.54E-08	1.16E-08	1.02E-08	0.00E+00	0.00E+00	4.22E-09	9.53E-10	6.05E-09	9.32E-10	7.88E-10	1.29E-08
5034	495863.09	3863377.25	3.75E-05	4.60E-05	4.03E-05	1.30E-08	3.92E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	0.00E+00	0.00E+00	4.18E-09	9.45E-10	5.99E-09	9.24E-10	7.81E-10	1.28E-08
5035	496363.09	3863377.25	3.62E-05	4.43E-05	3.89E-05	1.25E-08	3.78E-08	2.19E-08	2.68E-08	2.43E-08	1.11E-08	9.72E-09	0.00E+00	0.00E+00	4.03E-09	9.10E-10	5.78E-09	8.91E-10	7.53E-10	1.24E-08
5036	496863.09	3863377.25	3.57E-05	4.37E-05	3.83E-05	1.24E-08	3.73E-08	2.16E-08	2.65E-08	2.40E-08	1.09E-08	9.59E-09	0.00E+00	0.00E+00	3.97E-09	8.98E-10	5.70E-09	8.79E-10	7.43E-10	1.22E-08
5037	497363.09	3863377.25	3.61E-05	4.43E-05	3.88E-05	1.25E-08	3.78E-08	2.19E-08	2.68E-08	2.43E-08	1.11E-08	9.71E-09	0.00E+00	0.00E+00	4.02E-09	9.09E-10	5.77E-09	8.89E-10	7.52E-10	1.23E-08
5038	497863.09	3863377.25	3.68E-05	4.50E-05	3.95E-05	1.27E-08	3.84E-08	2.22E-08	2.72E-08	2.47E-08	1.13E-08	9.88E-09	0.00E+00	0.00E+00	4.09E-09	9.25E-10	5.87E-09	9.05E-10	7.65E-10	1.26E-08
5039	498363.09	3863377.25	3.72E-05	4.56E-05	3.99E-05	1.29E-08	3.89E-08	2.25E-08	2.76E-08	2.50E-08	1.14E-08	9.99E-09	0.00E+00	0.00E+00	4.14E-09	9.36E-10	5.94E-09	9.16E-10	7.74E-10	1.27E-08

5040	471363.09	3863877.25	1.68E-05	2.06E-05	1.81E-05	5.82E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.16E-09	4.52E-09	0.00E+00	0.00E+00	1.87E-09	4.23E-10	2.69E-09	4.14E-10	3.50E-10	5.75E-09
5041	471863.09	3863877.25	1.74E-05	2.13E-05	1.87E-05	6.02E-09	1.82E-08	1.05E-08	1.29E-08	1.17E-08	5.33E-09	4.68E-09	0.00E+00	0.00E+00	1.94E-09	4.37E-10	2.78E-09	4.28E-10	3.62E-10	5.94E-09
5042	472363.09	3863877.25	1.79E-05	2.19E-05	1.92E-05	6.20E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.49E-09	4.81E-09	0.00E+00	0.00E+00	1.99E-09	4.50E-10	2.86E-09	4.41E-10	3.73E-10	6.11E-09
5043	472863.09	3863877.25	1.84E-05	2.26E-05	1.98E-05	6.38E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.65E-09	4.96E-09	0.00E+00	0.00E+00	2.05E-09	4.64E-10	2.94E-09	4.54E-10	3.84E-10	6.30E-09
5044	473363.09	3863877.25	1.90E-05	2.32E-05	2.04E-05	6.56E-09	1.98E-08	1.15E-08	1.40E-08	1.27E-08	5.81E-09	5.09E-09	0.00E+00	0.00E+00	2.11E-09	4.77E-10	3.03E-09	4.67E-10	3.94E-10	6.47E-09
5045	473863.09	3863877.25	1.95E-05	2.39E-05	2.10E-05	6.77E-09	2.04E-08	1.18E-08	1.45E-08	1.31E-08	5.99E-09	5.25E-09	0.00E+00	0.00E+00	2.18E-09	4.92E-10	3.12E-09	4.81E-10	4.07E-10	6.68E-09
5046	474363.09	3863877.25	2.01E-05	2.46E-05	2.16E-05	6.95E-09	2.10E-08	1.22E-08	1.49E-08	1.35E-08	6.16E-09	5.40E-09	0.00E+00	0.00E+00	2.24E-09	5.05E-10	3.21E-09	4.94E-10	4.18E-10	6.86E-09
5047	474863.09	3863877.25	2.06E-05	2.52E-05	2.21E-05	7.13E-09	2.15E-08	1.25E-08	1.53E-08	1.38E-08	6.31E-09	5.53E-09	0.00E+00	0.00E+00	2.29E-09	5.18E-10	3.29E-09	5.07E-10	4.29E-10	7.03E-09
5048	475363.09	3863877.25	2.12E-05	2.60E-05	2.28E-05	7.36E-09	2.22E-08	1.29E-08	1.57E-08	1.43E-08	6.51E-09	5.71E-09	0.00E+00	0.00E+00	2.37E-09	5.35E-10	3.39E-09	5.23E-10	4.42E-10	7.26E-09
5049	475863.09	3863877.25	2.19E-05	2.68E-05	2.35E-05	7.58E-09	2.29E-08	1.33E-08	1.62E-08	1.47E-08	6.71E-09	5.89E-09	0.00E+00	0.00E+00	2.44E-09	5.51E-10	3.50E-09	5.39E-10	4.56E-10	7.48E-09
5050	476363.09	3863877.25	2.28E-05	2.79E-05	2.45E-05	7.88E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.98E-09	6.12E-09	0.00E+00	0.00E+00	2.53E-09	5.73E-10	3.63E-09	5.61E-10	4.74E-10	7.78E-09
5051	476863.09	3863877.25	2.37E-05	2.90E-05	2.55E-05	8.20E-09	2.48E-08	1.43E-08	1.76E-08	1.59E-08	7.26E-09	6.37E-09	0.00E+00	0.00E+00	2.64E-09	5.96E-10	3.78E-09	5.83E-10	4.93E-10	8.09E-09
5052	477363.09	3863877.25	2.47E-05	3.03E-05	2.66E-05	8.57E-09	2.59E-08	1.50E-08	1.83E-08	1.66E-08	7.59E-09	6.65E-09	0.00E+00	0.00E+00	2.75E-09	6.23E-10	3.95E-09	6.09E-10	5.15E-10	8.45E-09
5053	477863.09	3863877.25	2.59E-05	3.18E-05	2.79E-05	8.98E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.95E-09	6.98E-09	0.00E+00	0.00E+00	2.89E-09	6.53E-10	4.14E-09	6.39E-10	5.40E-10	8.86E-09
5054	478363.09	3863877.25	2.70E-05	3.31E-05	2.90E-05	9.34E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.27E-09	7.26E-09	0.00E+00	0.00E+00	3.00E-09	6.79E-10	4.31E-09	6.64E-10	5.62E-10	9.22E-09
5055	478863.09	3863877.25	2.83E-05	3.46E-05	3.04E-05	9.78E-09	2.95E-08	1.71E-08	2.09E-08	1.90E-08	8.66E-09	7.60E-09	0.00E+00	0.00E+00	3.15E-09	7.11E-10	4.51E-09	6.96E-10	5.88E-10	9.65E-09
5056	479363.09	3863877.25	2.92E-05	3.58E-05	3.14E-05	1.01E-08	3.05E-08	1.77E-08	2.16E-08	1.96E-08	8.95E-09	7.85E-09	0.00E+00	0.00E+00	3.25E-09	7.35E-10	4.66E-09	7.19E-10	6.08E-10	9.98E-09
5057	479863.09	3863877.25	3.02E-05	3.70E-05	3.24E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.26E-09	8.12E-09	0.00E+00	0.00E+00	3.36E-09	7.60E-10	4.82E-09	7.43E-10	6.29E-10	1.03E-08
5058	480363.09	3863877.25	3.11E-05	3.81E-05	3.35E-05	1.08E-08	3.25E-08	1.88E-08	2.31E-08	2.09E-08	9.55E-09	8.37E-09	0.00E+00	0.00E+00	3.47E-09	7.83E-10	4.97E-09	7.67E-10	6.48E-10	1.06E-08
5059	480863.09	3863877.25	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.36E-08	1.95E-08	2.39E-08	2.16E-08	9.87E-09	8.66E-09	0.00E+00	0.00E+00	3.58E-09	8.10E-10	5.14E-09	7.92E-10	6.70E-10	1.10E-08
5060	481363.09	3863877.25	3.32E-05	4.06E-05	3.57E-05	1.15E-08	3.47E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.92E-09	0.00E+00	0.00E+00	3.69E-09	8.35E-10	5.30E-09	8.17E-10	6.91E-10	1.13E-08
5061	481863.09	3863877.25	3.43E-05	4.20E-05	3.69E-05	1.19E-08	3.59E-08	2.08E-08	2.54E-08	2.31E-08	1.05E-08	9.22E-09	0.00E+00	0.00E+00	3.82E-09	8.63E-10	5.48E-09	8.45E-10	7.14E-10	1.17E-08
5062	482363.09	3863877.25	3.54E-05	4.34E-05	3.81E-05	1.23E-08	3.70E-08	2.14E-08	2.63E-08	2.38E-08	1.09E-08	9.53E-09	0.00E+00	0.00E+00	3.95E-09	8.91E-10	5.66E-09	8.72E-10	7.38E-10	1.21E-08
5063	482863.09	3863877.25	3.61E-05	4.42E-05	3.88E-05	1.25E-08	3.77E-08	2.18E-08	2.68E-08	2.42E-08	1.11E-08	9.70E-09	0.00E+00	0.00E+00	4.02E-09	9.08E-10	5.76E-09	8.89E-10	7.51E-10	1.23E-08
5064	483363.09	3863877.25	3.67E-05	4.49E-05	3.94E-05	1.27E-08	3.83E-08	2.22E-08	2.72E-08	2.46E-08	1.12E-08	9.86E-09	0.00E+00	0.00E+00	4.08E-09	9.23E-10	5.85E-09	9.03E-10	7.63E-10	1.25E-08
5065	483863.09	3863877.25	3.72E-05	4.56E-05	4.00E-05	1.29E-08	3.89E-08	2.25E-08	2.76E-08	2.50E-08	1.14E-08	1.00E-08	0.00E+00	0.00E+00	4.14E-09	9.36E-10	5.94E-09	9.16E-10	7.75E-10	1.27E-08
5066	484363.09	3863877.25	3.72E-05	4.56E-05	4.00E-05	1.29E-08	3.89E-08	2.25E-08	2.76E-08	2.50E-08	1.14E-08	1.00E-08	0.00E+00	0.00E+00	4.14E-09	9.36E-10	5.94E-09	9.16E-10	7.75E-10	1.27E-08
5067	484863.09	3863877.25	3.71E-05	4.54E-05	3.99E-05	1.28E-08	3.88E-08	2.24E-08	2.75E-08	2.49E-08	1.14E-08	9.97E-09	0.00E+00	0.00E+00	4.13E-09	9.33E-10	5.92E-09	9.13E-10	7.72E-10	1.27E-08
5068	485363.09	3863877.25	3.69E-05	4.52E-05	3.96E-05	1.28E-08	3.85E-08	2.23E-08	2.73E-08	2.48E-08	1.13E-08	9.91E-09	0.00E+00	0.00E+00	4.10E-09	9.27E-10	5.88E-09	9.07E-10	7.68E-10	1.26E-08
5069	485863.09	3863877.25	3.67E-05	4.50E-05	3.95E-05	1.27E-08	3.84E-08	2.22E-08	2.72E-08	2.47E-08	1.13E-08	9.88E-09	0.00E+00	0.00E+00	4.09E-09	9.24E-10	5.86E-09	9.04E-10	7.65E-10	1.25E-08
5070	486363.09	3863877.25	3.62E-05	4.44E-05	3.89E-05	1.25E-08	3.79E-08	2.19E-08	2.68E-08	2.43E-08	1.11E-08	9.74E-09	0.00E+00	0.00E+00	4.03E-09	9.11E-10	5.78E-09	8.92E-10	7.54E-10	1.24E-08
5071	486863.09	3863877.25	3.60E-05	4.41E-05	3.86E-05	1.25E-08	3.76E-08	2.18E-08	2.67E-08	2.42E-08	1.10E-08	9.67E-09	0.00E+00	0.00E+00	4.01E-09	9.05E-10	5.74E-09	8.86E-10	7.49E-10	1.23E-08
5072	487363.09	3863877.25	3.57E-05	4.37E-05	3.84E-05	1.24E-08	3.73E-08	2.16E-08	2.65E-08	2.40E-08	1.09E-08	9.60E-09	0.00E+00	0.00E+00	3.97E-09	8.98E-10	5.70E-09	8.79E-10	7.43E-10	1.22E-08
5073	487863.09	3863877.25	3.54E-05	4.33E-05	3.80E-05	1.22E-08	3.70E-08	2.14E-08	2.62E-08	2.38E-08	1.08E-08	9.51E-09	0.00E+00	0.00E+00	3.94E-09	8.90E-10	5.65E-09	8.71E-10	7.37E-10	1.21E-08
5074	488363.09	3863877.25	3.53E-05	4.32E-05	3.79E-05	1.22E-08	3.69E-08	2.14E-08	2.62E-08	2.37E-08	1.08E-08	9.49E-09	0.00E+00	0.00E+00	3.93E-09	8.88E-10	5.63E-09	8.69E-10	7.35E-10	1.21E-08
5075	488863.09	3863877.25	3.51E-05	4.30E-05	3.77E-05	1.22E-08	3.67E-08	2.12E-08	2.60E-08	2.36E-08	1.08E-08	9.44E-09	0.00E+00	0.00E+00	3.91E-09	8.83E-10	5.60E-09	8.64E-10	7.31E-10	1.20E-08
5076	489363.09	3863877.25	3.47E-05	4.25E-05	3.73E-05	1.20E-08	3.63E-08	2.10E-08	2.57E-08	2.33E-08	1.06E-08	9.34E-09	0.00E+00	0.00E+00	3.87E-09	8.74E-10	5.54E-09	8.55E-10	7.23E-10	1.19E-08
5077	489863.09	3863877.25	3.45E-05	4.23E-05	3.71E-05	1.20E-08	3.61E-08	2.09E-08	2.56E-08	2.32E-08	1.06E-08	9.28E-09	0.00E+00	0.00E+00	3.84E-09	8.68E-10	5.51E-09	8.50E-10	7.19E-10	1.18E-08
5078	490363.09	3863877.25	3.45E-05	4.23E-05	3.71E-05	1.19E-08	3.61E-08	2.09E-08	2.56E-08	2.32E-08	1.06E-08	9.28E-09	0.00E+00	0.00E+00	3.84E-09	8.68E-10	5.51E-09	8.50E-10	7.19E-10	1.18E-08
5079	490863.09	3863877.25	3.48E-05	4.27E-05	3.74E-05	1.21E-08	3.64E-08	2.11E-08	2.58E-08	2.34E-08	1.07E-08	9.36E-09	0.00E+00	0.00E+00	3.88E-09	8.76E-10	5.56E-09	8.57E-10	7.25E-10	1.19E-08
5080	491363.09	3863877.25	3.52E-05	4.31E-05	3.78E-05	1.22E-08	3.68E-08	2.13E-08	2.61E-08	2.36E-08	1.08E-08	9.46E-09	0.00E+00	0.00E+00	3.92E-09	8.85E-10	5.62E-09	8.66E-10	7.33E-10	1.20E-08
5081	491863.09	3863877.25	3.65E-05	4.46E-05	3.92E-05	1.26E-08	3.81E-08	2.21E-08	2.70E-08	2.45E-08	1.12E-08	9.80E-09	0.00E+00	0.00E+00	4.06E-09	9.17E-10	5.82E-09	8.97E-10	7.59E-10	1.24E-08
5082	492363.09	3863877.25	3.74E-05	4.58E-05	4.02E-05	1.29E-08	3.91E-08	2.26E-08	2.77E-08	2.51E-08	1.15E-08	1.01E-08	0.00E+00	0.00E+00	4.16E-09	9.41E-10	5.97E-09	9.21E-10	7.78E-10	1.28E-08
5083	492863.09	3863877.25	3.75E-05	4.59E-05	4.02E-05	1.30E-08	3.92E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	0.00E+00	0.00E+00	4.17E-09	9.42E-10	5.98E-09	9.22E-10	7.80E-10	1.28E-08
5084	493363.09	3863877.25	3.75E-05	4.60E-05	4.03E-05	1.30E-08	3.92E-08	2.27E-08	2.78E-08	2.52E-08	1.15E-08	1.01E-08	0.00E+00	0.00E+00	4.18E-09	9.44E-10	5.99E-09	9.24E-10	7.81E-10	1.28E-08
5085	493863.09	3863877.25	3.84E-05	4.71E-05	4.13E-05	1.33E-08	4.02E-08	2.32E-08	2.85E-08	2.58E-08	1.18E-08	1.03E-08	0.00E+00	0.00E+00	4.28E-09	9.66E-10	6.13E-09	9.46E-10	7.99E-10	1.31E-08
5086	494363.09	3863877.25	3.82E-05	4.67E-05	4.10E-05	1.32E-08	3.99E-08	2.31E-08	2.83E-08	2.56E-08	1.17E-08	1.03E-08	0.00E+00	0.00E+00	4.25E-09	9.60E-10	6.09E-09	9.39E-10	7.94E-10	1.30E-08
5087	494863.09	3863877.25	3.67E-05	4.50E-05	3.94E-05	1.27E-08	3.84E-08	2.22E-08	2.72E-08	2.47E-08	1.13E-08	9.87E-09	0.00E+00	0.00E+00	4.09E-09	9.24E-10	5.86E-09	9.04E-10	7.64E-10	1.25E-08
5088	495363.09	3863877.25	3.52E-05	4.31E-05	3.77E-05	1.22E-08	3.67E-08	2.13E-08	2.61E-08	2.36E-08	1.08E-08	9.45E-09	0.00E+00	0.00E+00	3.91E-09	8.84E-10	5.61E-09	8.65E-10	7.31E-10	1.20E-08
5089	495863.09	3863877.25	3.41E-05	4.18E-05	3.66E-05	1.18E-08	3.56E-08	2.06E-08	2.53E-08	2.29E-08	1.05E-08	9.16E-09	0.00E+00	0.00E+00	3.80E-09	8.58E-10	5.44E-09	8.39E-10	7.10E-10	1.16E-08
5090	496363.09	3863877.25	3.31E-05	4.06E-05	3.56E-05	1.15E-08	3.46E-08	2.00E-08	2.45E-08	2.23E-08	1.02E-08	8.90E-09	0.00E+00	0.00E+00	3.69E-09	8.33E-10	5.29E-09	8.15E-10	6.89E-10	1.13E-08
5091	496863.09	3863877.25	3.25E-05	3.98E-05	3.49E-05	1.12E-08	3.39E-08	1.96E-08	2.41E-08	2.18E-08	9.95E-09	8.72E-09	0.00E+00	0.00E+00	3.61E-09	8.17E-10	5.18E-09	7.99E-10	6.75E-10	1.11E-08
5092	497363.09	3863877.25	3.22E-05	3.94E-05	3.45E-05	1.11E-08	3.36E-08	1.95E-08	2.38E-08	2.16E-08	9.85E-09	8.64E-09	0.00E+00	0.00E+00	3.58E-09	8.09E-10	5.13E-09	7.91E-10	6.69E-10	1.10E-08
5093	497863.09	3863877.25	3.23E-05	3.95E-05	3.47E-05	1.12E-08	3.37E-08	1.95E-08	2.39E-08	2.17E-08	9.89E-09	8.67E-09	0.00E+00	0.00E+00	3.59E-09	8.12E-10	5.15E-09	7.94E-10	6.72E-10	1.10E-08
5094	498363.09	3863877.25	3.25E-05	3.98E-05	3.49E-05	1.12E-08	3.40E-08	1.97E-08	2.41E-08	2.18E-08	9.96E-09	8.73E-09	0.00E+00	0.00E+00	3.62E-09	8.17E-10	5.19E-09	8.00E-10	6.76E-10	1.11E-08
5095	471363.09	3864377.25	1.61E-05	1.98E-05	1.73E-05	5.58E-09	1.69E-08	9.76E-09	1.20E-08	1.08E-08	4.94E-09	4.34E-09	0.00E+00	0.00E+00	1.80E-09	4.06E-10	2.57E-09	3.97E-10	3.36E-10	5.51E-09
5096	471863.09	3864377.25	1.66E-05	2.03E-05	1.78E-05	5.74E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.08E-09	4.46E-09	0.00E+00	0.00E+00	1.85E-09	4.17E-10	2.65E-09	4.08E-10	3.45E-10	5.66E-09
5097	472363.09	3864377.25	1.70E-05	2.09E-05	1.83E-05	5.90E-09	1.78E-08	1.03E-08	1.26E-08	1.15E-08	5.22E-09	4.58E-09	0.00E+00	0.00E+00	1.90E-09	4.29E-10	2.72E-09	4.20E-10	3.55E-10	5.82E-09

5098	472863.09	3864377.25	1.75E-05	2.14E-05	1.88E-05	6.06E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.36E-09	4.70E-09	0.00E+00	0.00E+00	1.95E-09	4.40E-10	2.79E-09	4.31E-10	3.64E-10	5.98E-09
5099	473363.09	3864377.25	1.79E-05	2.19E-05	1.92E-05	6.20E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.49E-09	4.81E-09	0.00E+00	0.00E+00	1.99E-09	4.51E-10	2.86E-09	4.41E-10	3.73E-10	6.12E-09
5100	473863.09	3864377.25	1.83E-05	2.25E-05	1.97E-05	6.35E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.62E-09	4.93E-09	0.00E+00	0.00E+00	2.04E-09	4.61E-10	2.93E-09	4.51E-10	3.81E-10	6.26E-09
5101	474363.09	3864377.25	1.88E-05	2.30E-05	2.02E-05	6.51E-09	1.97E-08	1.14E-08	1.39E-08	1.26E-08	5.77E-09	5.06E-09	0.00E+00	0.00E+00	2.09E-09	4.73E-10	3.00E-09	4.63E-10	3.92E-10	6.42E-09
5102	474863.09	3864377.25	1.93E-05	2.36E-05	2.07E-05	6.68E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.91E-09	5.18E-09	0.00E+00	0.00E+00	2.15E-09	4.85E-10	3.08E-09	4.75E-10	4.01E-10	6.59E-09
5103	475363.09	3864377.25	1.99E-05	2.44E-05	2.14E-05	6.89E-09	2.08E-08	1.20E-08	1.48E-08	1.34E-08	6.10E-09	5.35E-09	0.00E+00	0.00E+00	2.22E-09	5.01E-10	3.18E-09	4.90E-10	4.15E-10	6.80E-09
5104	475863.09	3864377.25	2.06E-05	2.52E-05	2.21E-05	7.14E-09	2.15E-08	1.25E-08	1.53E-08	1.38E-08	6.32E-09	5.54E-09	0.00E+00	0.00E+00	2.29E-09	5.19E-10	3.29E-09	5.07E-10	4.29E-10	7.04E-09
5105	476363.09	3864377.25	2.15E-05	2.63E-05	2.31E-05	7.43E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.58E-09	5.77E-09	0.00E+00	0.00E+00	2.39E-09	5.40E-10	3.43E-09	5.28E-10	4.47E-10	7.33E-09
5106	476863.09	3864377.25	2.24E-05	2.74E-05	2.40E-05	7.75E-09	2.34E-08	1.35E-08	1.66E-08	1.50E-08	6.86E-09	6.02E-09	0.00E+00	0.00E+00	2.49E-09	5.63E-10	3.57E-09	5.51E-10	4.66E-10	7.64E-09
5107	477363.09	3864377.25	2.32E-05	2.84E-05	2.49E-05	8.03E-09	2.43E-08	1.40E-08	1.72E-08	1.56E-08	7.11E-09	6.24E-09	0.00E+00	0.00E+00	2.58E-09	5.84E-10	3.70E-09	5.71E-10	4.83E-10	7.92E-09
5108	477863.09	3864377.25	2.41E-05	2.95E-05	2.59E-05	8.34E-09	2.52E-08	1.46E-08	1.79E-08	1.62E-08	7.39E-09	6.48E-09	0.00E+00	0.00E+00	2.68E-09	6.06E-10	3.85E-09	5.93E-10	5.02E-10	8.23E-09
5109	478363.09	3864377.25	2.51E-05	3.07E-05	2.69E-05	8.68E-09	2.62E-08	1.52E-08	1.86E-08	1.68E-08	7.68E-09	6.74E-09	0.00E+00	0.00E+00	2.79E-09	6.31E-10	4.00E-09	6.17E-10	5.22E-10	8.56E-09
5110	478863.09	3864377.25	2.61E-05	3.19E-05	2.80E-05	9.02E-09	2.72E-08	1.58E-08	1.93E-08	1.75E-08	7.99E-09	7.00E-09	0.00E+00	0.00E+00	2.90E-09	6.55E-10	4.16E-09	6.41E-10	5.42E-10	8.90E-09
5111	479363.09	3864377.25	2.69E-05	3.30E-05	2.89E-05	9.33E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.26E-09	7.24E-09	0.00E+00	0.00E+00	3.00E-09	6.78E-10	4.30E-09	6.63E-10	5.61E-10	9.20E-09
5112	479863.09	3864377.25	2.79E-05	3.42E-05	3.00E-05	9.67E-09	2.92E-08	1.69E-08	2.07E-08	1.88E-08	8.57E-09	7.51E-09	0.00E+00	0.00E+00	3.11E-09	7.03E-10	4.46E-09	6.88E-10	5.82E-10	9.54E-09
5113	480363.09	3864377.25	2.89E-05	3.54E-05	3.11E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.86E-09	7.78E-09	0.00E+00	0.00E+00	3.22E-09	7.27E-10	4.62E-09	7.12E-10	6.02E-10	9.87E-09
5114	480863.09	3864377.25	2.96E-05	3.62E-05	3.18E-05	1.02E-08	3.09E-08	1.79E-08	2.19E-08	1.99E-08	9.07E-09	7.96E-09	0.00E+00	0.00E+00	3.29E-09	7.44E-10	4.72E-09	7.28E-10	6.16E-10	1.01E-08
5115	481363.09	3864377.25	3.04E-05	3.73E-05	3.27E-05	1.05E-08	3.18E-08	1.84E-08	2.25E-08	2.04E-08	9.33E-09	8.18E-09	0.00E+00	0.00E+00	3.39E-09	7.65E-10	4.86E-09	7.49E-10	6.33E-10	1.04E-08
5116	481863.09	3864377.25	3.14E-05	3.85E-05	3.37E-05	1.09E-08	3.28E-08	1.90E-08	2.33E-08	2.11E-08	9.62E-09	8.44E-09	0.00E+00	0.00E+00	3.49E-09	7.90E-10	5.01E-09	7.73E-10	6.54E-10	1.07E-08
5117	482363.09	3864377.25	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.36E-08	1.95E-08	2.38E-08	2.16E-08	9.86E-09	8.65E-09	0.00E+00	0.00E+00	3.58E-09	8.09E-10	5.14E-09	7.92E-10	6.70E-10	1.10E-08
5118	482863.09	3864377.25	3.27E-05	4.01E-05	3.52E-05	1.13E-08	3.42E-08	1.98E-08	2.43E-08	2.20E-08	1.00E-08	8.80E-09	0.00E+00	0.00E+00	3.64E-09	8.24E-10	5.23E-09	8.06E-10	6.81E-10	1.12E-08
5119	483363.09	3864377.25	3.31E-05	4.06E-05	3.56E-05	1.15E-08	3.46E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.91E-09	0.00E+00	0.00E+00	3.69E-09	8.34E-10	5.29E-09	8.16E-10	6.90E-10	1.13E-08
5120	483863.09	3864377.25	3.34E-05	4.09E-05	3.59E-05	1.16E-08	3.49E-08	2.02E-08	2.48E-08	2.24E-08	1.02E-08	8.98E-09	0.00E+00	0.00E+00	3.72E-09	8.40E-10	5.33E-09	8.22E-10	6.95E-10	1.14E-08
5121	484363.09	3864377.25	3.35E-05	4.10E-05	3.60E-05	1.16E-08	3.50E-08	2.02E-08	2.48E-08	2.25E-08	1.03E-08	9.00E-09	0.00E+00	0.00E+00	3.72E-09	8.42E-10	5.34E-09	8.24E-10	6.97E-10	1.14E-08
5122	484863.09	3864377.25	3.33E-05	4.07E-05	3.57E-05	1.15E-08	3.48E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.94E-09	0.00E+00	0.00E+00	3.70E-09	8.37E-10	5.31E-09	8.19E-10	6.93E-10	1.14E-08
5123	485363.09	3864377.25	3.31E-05	4.05E-05	3.56E-05	1.15E-08	3.46E-08	2.00E-08	2.45E-08	2.22E-08	1.01E-08	8.90E-09	0.00E+00	0.00E+00	3.68E-09	8.33E-10	5.28E-09	8.15E-10	6.89E-10	1.13E-08
5124	485863.09	3864377.25	3.28E-05	4.02E-05	3.53E-05	1.14E-08	3.43E-08	1.99E-08	2.43E-08	2.21E-08	1.01E-08	8.83E-09	0.00E+00	0.00E+00	3.66E-09	8.26E-10	5.24E-09	8.08E-10	6.84E-10	1.12E-08
5125	486363.09	3864377.25	3.25E-05	3.98E-05	3.49E-05	1.13E-08	3.40E-08	1.97E-08	2.41E-08	2.18E-08	9.97E-09	8.74E-09	0.00E+00	0.00E+00	3.62E-09	8.18E-10	5.19E-09	8.01E-10	6.77E-10	1.11E-08
5126	486863.09	3864377.25	3.24E-05	3.96E-05	3.48E-05	1.12E-08	3.38E-08	1.96E-08	2.40E-08	2.17E-08	9.92E-09	8.70E-09	0.00E+00	0.00E+00	3.60E-09	8.14E-10	5.17E-09	7.97E-10	6.74E-10	1.11E-08
5127	487363.09	3864377.25	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.36E-08	1.95E-08	2.38E-08	2.16E-08	9.86E-09	8.65E-09	0.00E+00	0.00E+00	3.58E-09	8.09E-10	5.14E-09	7.92E-10	6.70E-10	1.10E-08
5128	487863.09	3864377.25	3.19E-05	3.91E-05	3.43E-05	1.10E-08	3.33E-08	1.93E-08	2.36E-08	2.14E-08	9.78E-09	8.58E-09	0.00E+00	0.00E+00	3.55E-09	8.03E-10	5.09E-09	7.85E-10	6.65E-10	1.09E-08
5129	488363.09	3864377.25	3.18E-05	3.89E-05	3.42E-05	1.10E-08	3.32E-08	1.92E-08	2.36E-08	2.14E-08	9.74E-09	8.55E-09	0.00E+00	0.00E+00	3.54E-09	8.00E-10	5.07E-09	7.82E-10	6.62E-10	1.09E-08
5130	488863.09	3864377.25	3.17E-05	3.89E-05	3.41E-05	1.10E-08	3.32E-08	1.92E-08	2.35E-08	2.13E-08	9.73E-09	8.53E-09	0.00E+00	0.00E+00	3.53E-09	7.98E-10	5.06E-09	7.81E-10	6.61E-10	1.08E-08
5131	489363.09	3864377.25	3.14E-05	3.85E-05	3.37E-05	1.09E-08	3.28E-08	1.90E-08	2.33E-08	2.11E-08	9.63E-09	8.44E-09	0.00E+00	0.00E+00	3.50E-09	7.90E-10	5.01E-09	7.73E-10	6.54E-10	1.07E-08
5132	489863.09	3864377.25	3.12E-05	3.82E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.09E-08	9.56E-09	8.38E-09	0.00E+00	0.00E+00	3.47E-09	7.84E-10	4.98E-09	7.67E-10	6.49E-10	1.06E-08
5133	490363.09	3864377.25	3.11E-05	3.81E-05	3.34E-05	1.08E-08	3.25E-08	1.88E-08	2.30E-08	2.09E-08	9.53E-09	8.36E-09	0.00E+00	0.00E+00	3.46E-09	7.82E-10	4.96E-09	7.65E-10	6.47E-10	1.06E-08
5134	490863.09	3864377.25	3.14E-05	3.85E-05	3.38E-05	1.09E-08	3.28E-08	1.90E-08	2.33E-08	2.11E-08	9.63E-09	8.45E-09	0.00E+00	0.00E+00	3.50E-09	7.90E-10	5.02E-09	7.73E-10	6.54E-10	1.07E-08
5135	491363.09	3864377.25	3.30E-05	4.04E-05	3.54E-05	1.14E-08	3.45E-08	2.00E-08	2.44E-08	2.22E-08	1.01E-08	8.87E-09	0.00E+00	0.00E+00	3.67E-09	8.30E-10	5.27E-09	8.12E-10	6.87E-10	1.13E-08
5136	491863.09	3864377.25	2.38E-05	2.92E-05	2.56E-05	8.25E-09	2.49E-08	1.44E-08	1.77E-08	1.60E-08	7.31E-09	6.41E-09	0.00E+00	0.00E+00	2.65E-09	6.00E-10	3.81E-09	5.87E-10	4.96E-10	8.14E-09
5137	492363.09	3864377.25	3.27E-05	4.00E-05	3.51E-05	1.13E-08	3.41E-08	1.98E-08	2.42E-08	2.19E-08	1.00E-08	8.78E-09	0.00E+00	0.00E+00	3.64E-09	8.22E-10	5.21E-09	8.04E-10	6.80E-10	1.12E-08
5138	492863.09	3864377.25	2.79E-05	3.41E-05	2.99E-05	9.64E-09	2.91E-08	1.69E-08	2.06E-08	1.87E-08	8.54E-09	7.49E-09	0.00E+00	0.00E+00	3.10E-09	7.01E-10	4.45E-09	6.86E-10	5.80E-10	9.51E-09
5139	493363.09	3864377.25	3.15E-05	3.85E-05	3.38E-05	1.09E-08	3.29E-08	1.90E-08	2.33E-08	2.11E-08	9.64E-09	8.45E-09	0.00E+00	0.00E+00	3.50E-09	7.91E-10	5.02E-09	7.74E-10	6.55E-10	1.07E-08
5140	493863.09	3864377.25	3.33E-05	4.07E-05	3.57E-05	1.15E-08	3.48E-08	2.01E-08	2.47E-08	2.24E-08	1.02E-08	8.94E-09	0.00E+00	0.00E+00	3.70E-09	8.37E-10	5.31E-09	8.19E-10	6.92E-10	1.14E-08
5141	494363.09	3864377.25	3.46E-05	4.23E-05	3.71E-05	1.20E-08	3.61E-08	2.09E-08	2.56E-08	2.32E-08	1.06E-08	9.29E-09	0.00E+00	0.00E+00	3.85E-09	8.69E-10	5.52E-09	8.51E-10	7.19E-10	1.18E-08
5142	494863.09	3864377.25	3.44E-05	4.22E-05	3.70E-05	1.19E-08	3.60E-08	2.08E-08	2.55E-08	2.31E-08	1.06E-08	9.25E-09	0.00E+00	0.00E+00	3.83E-09	8.66E-10	5.50E-09	8.47E-10	7.16E-10	1.18E-08
5143	495363.09	3864377.25	3.33E-05	4.07E-05	3.57E-05	1.15E-08	3.48E-08	2.01E-08	2.47E-08	2.23E-08	1.02E-08	8.94E-09	0.00E+00	0.00E+00	3.70E-09	8.37E-10	5.31E-09	8.19E-10	6.92E-10	1.14E-08
5144	495863.09	3864377.25	3.19E-05	3.90E-05	3.42E-05	1.10E-08	3.33E-08	1.93E-08	2.36E-08	2.14E-08	9.77E-09	8.56E-09	0.00E+00	0.00E+00	3.55E-09	8.01E-10	5.09E-09	7.84E-10	6.63E-10	1.09E-08
5145	496363.09	3864377.25	3.07E-05	3.76E-05	3.30E-05	1.06E-08	3.21E-08	1.86E-08	2.28E-08	2.06E-08	9.41E-09	8.25E-09	0.00E+00	0.00E+00	3.42E-09	7.73E-10	4.90E-09	7.56E-10	6.39E-10	1.05E-08
5146	496863.09	3864377.25	3.00E-05	3.68E-05	3.22E-05	1.04E-08	3.14E-08	1.82E-08	2.22E-08	2.02E-08	9.20E-09	8.06E-09	0.00E+00	0.00E+00	3.34E-09	7.55E-10	4.79E-09	7.39E-10	6.24E-10	1.02E-08
5147	497363.09	3864377.25	2.94E-05	3.61E-05	3.16E-05	1.02E-08	3.08E-08	1.78E-08	2.18E-08	1.98E-08	9.02E-09	7.91E-09	0.00E+00	0.00E+00	3.28E-09	7.41E-10	4.70E-09	7.25E-10	6.13E-10	1.01E-08
5148	497863.09	3864377.25	2.95E-05	3.61E-05	3.17E-05	1.02E-08	3.08E-08	1.78E-08	2.19E-08	1.98E-08	9.04E-09	7.92E-09	0.00E+00	0.00E+00	3.28E-09	7.42E-10	4.71E-09	7.26E-10	6.14E-10	1.01E-08
5149	498363.09	3864377.25	2.91E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.91E-09	7.81E-09	0.00E+00	0.00E+00	3.24E-09	7.31E-10	4.64E-09	7.16E-10	6.05E-10	9.93E-09
5150	471363.09	3864877.25	1.54E-05	1.88E-05	1.65E-05	5.32E-09	1.61E-08	9.30E-09	1.14E-08	1.03E-08	4.71E-09	4.13E-09	0.00E+00	0.00E+00	1.71E-09	3.87E-10	2.45E-09	3.78E-10	3.20E-10	5.25E-09
5151	471863.09	3864877.25	1.58E-05	1.93E-05	1.69E-05	5.46E-09	1.65E-08	9.54E-09	1.17E-08	1.06E-08	4.83E-09	4.23E-09	0.00E+00	0.00E+00	1.75E-09	3.96E-10	2.52E-09	3.88E-10	3.28E-10	5.38E-09
5152	472363.09	3864877.25	1.61E-05	1.98E-05	1.73E-05	5.59E-09	1.69E-08	9.77E-09	1.20E-08	1.08E-08	4.95E-09	4.34E-09	0.00E+00	0.00E+00	1.80E-09	4.06E-10	2.58E-09	3.97E-10	3.36E-10	5.51E-09
5153	472863.09	3864877.25	1.65E-05	2.02E-05	1.77E-05	5.71E-09	1.73E-08	9.99E-09	1.22E-08	1.11E-08	5.06E-09	4.44E-09	0.00E+00	0.00E+00	1.84E-09	4.15E-10	2.64E-09	4.06E-10	3.43E-10	5.64E-09
5154	473363.09	3864877.25	1.68E-05	2.06E-05	1.81E-05	5.83E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.16E-09	4.52E-09	0.00E+00	0.00E+00	1.87E-09	4.23E-10	2.69E-09	4.14E-10	3.50E-10	5.75E-09
5155	473863.09	3864877.25	1.72E-05	2.11E-05	1.85E-05	5.96E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.27E-09	4.63E-09	0.00E+00	0.00E+00	1.92E-09	4.33E-10	2.75E-09	4.24E-10	3.58E-10	5.88E-09

5156	474363.09	3864877.25	1.76E-05	2.16E-05	1.90E-05	6.11E-09	1.84E-08	1.07E-08	1.31E-08	1.19E-08	5.41E-09	4.74E-09	0.00E+00	0.00E+00	1.96E-09	4.44E-10	2.82E-09	4.34E-10	3.67E-10	6.03E-09
5157	474863.09	3864877.25	1.82E-05	2.22E-05	1.95E-05	6.29E-09	1.90E-08	1.10E-08	1.35E-08	1.22E-08	5.57E-09	4.88E-09	0.00E+00	0.00E+00	2.02E-09	4.57E-10	2.90E-09	4.47E-10	3.78E-10	6.20E-09
5158	475363.09	3864877.25	1.88E-05	2.30E-05	2.02E-05	6.50E-09	1.96E-08	1.14E-08	1.39E-08	1.26E-08	5.76E-09	5.05E-09	0.00E+00	0.00E+00	2.09E-09	4.72E-10	3.00E-09	4.62E-10	3.91E-10	6.41E-09
5159	475863.09	3864877.25	1.95E-05	2.38E-05	2.09E-05	6.74E-09	2.03E-08	1.18E-08	1.44E-08	1.31E-08	5.97E-09	5.23E-09	0.00E+00	0.00E+00	2.17E-09	4.90E-10	3.11E-09	4.79E-10	4.05E-10	6.65E-09
5160	476363.09	3864877.25	2.02E-05	2.48E-05	2.17E-05	7.01E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.44E-09	0.00E+00	0.00E+00	2.25E-09	5.09E-10	3.23E-09	4.98E-10	4.21E-10	6.91E-09
5161	476863.09	3864877.25	2.11E-05	2.59E-05	2.27E-05	7.31E-09	2.21E-08	1.28E-08	1.56E-08	1.42E-08	6.47E-09	5.67E-09	0.00E+00	0.00E+00	2.35E-09	5.31E-10	3.37E-09	5.20E-10	4.39E-10	7.21E-09
5162	477363.09	3864877.25	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.86E-09	0.00E+00	0.00E+00	2.43E-09	5.49E-10	3.48E-09	5.37E-10	4.54E-10	7.45E-09
5163	477863.09	3864877.25	2.26E-05	2.77E-05	2.43E-05	7.82E-09	2.36E-08	1.37E-08	1.68E-08	1.52E-08	6.93E-09	6.08E-09	0.00E+00	0.00E+00	2.52E-09	5.69E-10	3.61E-09	5.56E-10	4.71E-10	7.72E-09
5164	478363.09	3864877.25	2.34E-05	2.87E-05	2.52E-05	8.11E-09	2.45E-08	1.42E-08	1.74E-08	1.57E-08	7.18E-09	6.29E-09	0.00E+00	0.00E+00	2.61E-09	5.89E-10	3.74E-09	5.76E-10	4.87E-10	8.00E-09
5165	478863.09	3864877.25	2.42E-05	2.97E-05	2.60E-05	8.39E-09	2.53E-08	1.47E-08	1.80E-08	1.63E-08	7.43E-09	6.52E-09	0.00E+00	0.00E+00	2.70E-09	6.10E-10	3.87E-09	5.97E-10	5.05E-10	8.28E-09
5166	479363.09	3864877.25	2.51E-05	3.07E-05	2.70E-05	8.69E-09	2.62E-08	1.52E-08	1.86E-08	1.69E-08	7.69E-09	6.75E-09	0.00E+00	0.00E+00	2.79E-09	6.31E-10	4.00E-09	6.18E-10	5.22E-10	8.57E-09
5167	479863.09	3864877.25	2.59E-05	3.17E-05	2.78E-05	8.97E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.94E-09	6.97E-09	0.00E+00	0.00E+00	2.88E-09	6.52E-10	4.14E-09	6.38E-10	5.40E-10	8.85E-09
5168	480363.09	3864877.25	2.67E-05	3.27E-05	2.87E-05	9.25E-09	2.79E-08	1.62E-08	1.98E-08	1.80E-08	8.19E-09	7.19E-09	0.00E+00	0.00E+00	2.98E-09	6.72E-10	4.27E-09	6.58E-10	5.57E-10	9.13E-09
5169	480863.09	3864877.25	2.73E-05	3.35E-05	2.93E-05	9.46E-09	2.85E-08	1.65E-08	2.02E-08	1.84E-08	8.37E-09	7.35E-09	0.00E+00	0.00E+00	3.04E-09	6.87E-10	4.36E-09	6.72E-10	5.69E-10	9.33E-09
5170	481363.09	3864877.25	2.80E-05	3.43E-05	3.01E-05	9.70E-09	2.93E-08	1.70E-08	2.08E-08	1.88E-08	8.59E-09	7.54E-09	0.00E+00	0.00E+00	3.12E-09	7.05E-10	4.47E-09	6.90E-10	5.84E-10	9.57E-09
5171	481863.09	3864877.25	2.87E-05	3.51E-05	3.08E-05	9.93E-09	3.00E-08	1.74E-08	2.13E-08	1.93E-08	8.80E-09	7.72E-09	0.00E+00	0.00E+00	3.19E-09	7.22E-10	4.58E-09	7.06E-10	5.97E-10	9.80E-09
5172	482363.09	3864877.25	2.93E-05	3.59E-05	3.15E-05	1.02E-08	3.07E-08	1.78E-08	2.17E-08	1.97E-08	8.99E-09	7.89E-09	0.00E+00	0.00E+00	3.27E-09	7.38E-10	4.68E-09	7.22E-10	6.11E-10	1.00E-08
5173	482863.09	3864877.25	2.98E-05	3.65E-05	3.20E-05	1.03E-08	3.12E-08	1.80E-08	2.21E-08	2.00E-08	9.14E-09	8.02E-09	0.00E+00	0.00E+00	3.32E-09	7.50E-10	4.76E-09	7.34E-10	6.21E-10	1.02E-08
5174	483363.09	3864877.25	3.01E-05	3.69E-05	3.24E-05	1.04E-08	3.15E-08	1.82E-08	2.23E-08	2.02E-08	9.24E-09	8.10E-09	0.00E+00	0.00E+00	3.36E-09	7.58E-10	4.81E-09	7.42E-10	6.27E-10	1.03E-08
5175	483863.09	3864877.25	3.02E-05	3.70E-05	3.24E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.26E-09	8.12E-09	0.00E+00	0.00E+00	3.36E-09	7.60E-10	4.82E-09	7.43E-10	6.29E-10	1.03E-08
5176	484363.09	3864877.25	3.03E-05	3.71E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.28E-09	8.14E-09	0.00E+00	0.00E+00	3.37E-09	7.61E-10	4.83E-09	7.45E-10	6.30E-10	1.03E-08
5177	484863.09	3864877.25	3.02E-05	3.70E-05	3.24E-05	1.04E-08	3.15E-08	1.83E-08	2.24E-08	2.03E-08	9.25E-09	8.12E-09	0.00E+00	0.00E+00	3.36E-09	7.59E-10	4.82E-09	7.43E-10	6.29E-10	1.03E-08
5178	485363.09	3864877.25	3.01E-05	3.68E-05	3.23E-05	1.04E-08	3.14E-08	1.82E-08	2.23E-08	2.02E-08	9.22E-09	8.09E-09	0.00E+00	0.00E+00	3.35E-09	7.57E-10	4.80E-09	7.40E-10	6.26E-10	1.03E-08
5179	485863.09	3864877.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.10E-08	1.80E-08	2.20E-08	1.99E-08	9.10E-09	7.98E-09	0.00E+00	0.00E+00	3.30E-09	7.47E-10	4.74E-09	7.31E-10	6.18E-10	1.01E-08
5180	486363.09	3864877.25	2.94E-05	3.60E-05	3.16E-05	1.02E-08	3.07E-08	1.78E-08	2.18E-08	1.97E-08	9.01E-09	7.90E-09	0.00E+00	0.00E+00	3.27E-09	7.39E-10	4.69E-09	7.23E-10	6.12E-10	1.00E-08
5181	486863.09	3864877.25	2.93E-05	3.58E-05	3.14E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.97E-08	8.97E-09	7.87E-09	0.00E+00	0.00E+00	3.26E-09	7.36E-10	4.67E-09	7.20E-10	6.09E-10	1.00E-08
5182	487363.09	3864877.25	2.91E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.91E-09	7.81E-09	0.00E+00	0.00E+00	3.23E-09	7.31E-10	4.64E-09	7.15E-10	6.05E-10	9.93E-09
5183	487863.09	3864877.25	2.89E-05	3.54E-05	3.11E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.86E-09	7.77E-09	0.00E+00	0.00E+00	3.22E-09	7.27E-10	4.61E-09	7.11E-10	6.02E-10	9.87E-09
5184	488363.09	3864877.25	2.89E-05	3.54E-05	3.11E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.87E-09	7.78E-09	0.00E+00	0.00E+00	3.22E-09	7.27E-10	4.62E-09	7.12E-10	6.02E-10	9.88E-09
5185	488863.09	3864877.25	2.89E-05	3.54E-05	3.10E-05	1.00E-08	3.02E-08	1.75E-08	2.14E-08	1.94E-08	8.85E-09	7.77E-09	0.00E+00	0.00E+00	3.21E-09	7.26E-10	4.61E-09	7.11E-10	6.01E-10	9.86E-09
5186	489363.09	3864877.25	2.87E-05	3.51E-05	3.08E-05	9.92E-09	3.00E-08	1.73E-08	2.12E-08	1.93E-08	8.79E-09	7.71E-09	0.00E+00	0.00E+00	3.19E-09	7.21E-10	4.58E-09	7.06E-10	5.97E-10	9.79E-09
5187	489863.09	3864877.25	2.83E-05	3.47E-05	3.04E-05	9.81E-09	2.96E-08	1.71E-08	2.10E-08	1.90E-08	8.69E-09	7.62E-09	0.00E+00	0.00E+00	3.15E-09	7.13E-10	4.52E-09	6.98E-10	5.90E-10	9.68E-09
5188	490363.09	3864877.25	2.82E-05	3.46E-05	3.03E-05	9.78E-09	2.95E-08	1.71E-08	2.09E-08	1.90E-08	8.66E-09	7.59E-09	0.00E+00	0.00E+00	3.14E-09	7.11E-10	4.51E-09	6.95E-10	5.88E-10	9.65E-09
5189	490863.09	3864877.25	2.97E-05	3.64E-05	3.19E-05	1.03E-08	3.10E-08	1.80E-08	2.20E-08	2.00E-08	9.10E-09	7.98E-09	0.00E+00	0.00E+00	3.31E-09	7.47E-10	4.74E-09	7.31E-10	6.18E-10	1.01E-08
5190	491363.09	3864877.25	2.98E-05	3.64E-05	3.20E-05	1.03E-08	3.11E-08	1.80E-08	2.21E-08	2.00E-08	9.12E-09	8.00E-09	0.00E+00	0.00E+00	3.31E-09	7.48E-10	4.75E-09	7.32E-10	6.19E-10	1.02E-08
5191	491863.09	3864877.25	3.04E-05	3.72E-05	3.26E-05	1.05E-08	3.17E-08	1.84E-08	2.25E-08	2.04E-08	9.30E-09	8.16E-09	0.00E+00	0.00E+00	3.38E-09	7.63E-10	4.84E-09	7.47E-10	6.32E-10	1.04E-08
5192	492363.09	3864877.25	1.48E-05	1.81E-05	1.59E-05	5.12E-09	1.55E-08	8.96E-09	1.10E-08	9.94E-09	4.54E-09	3.98E-09	0.00E+00	0.00E+00	1.65E-09	3.72E-10	2.36E-09	3.64E-10	3.08E-10	5.06E-09
5193	492863.09	3864877.25	2.03E-05	2.48E-05	2.18E-05	7.01E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.45E-09	0.00E+00	0.00E+00	2.26E-09	5.10E-10	3.23E-09	4.99E-10	4.22E-10	6.92E-09
5194	493363.09	3864877.25	1.93E-05	2.36E-05	2.07E-05	6.67E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.91E-09	5.18E-09	0.00E+00	0.00E+00	2.15E-09	4.85E-10	3.08E-09	4.75E-10	4.01E-10	6.59E-09
5195	493863.09	3864877.25	2.88E-05	3.53E-05	3.09E-05	9.96E-09	3.01E-08	1.74E-08	2.13E-08	1.93E-08	8.82E-09	7.74E-09	0.00E+00	0.00E+00	3.20E-09	7.24E-10	4.59E-09	7.08E-10	5.99E-10	9.83E-09
5196	494363.09	3864877.25	3.02E-05	3.70E-05	3.25E-05	1.05E-08	3.16E-08	1.83E-08	2.24E-08	2.03E-08	9.27E-09	8.13E-09	0.00E+00	0.00E+00	3.37E-09	7.61E-10	4.83E-09	7.44E-10	6.29E-10	1.03E-08
5197	494863.09	3864877.25	3.12E-05	3.82E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.10E-08	9.56E-09	8.38E-09	0.00E+00	0.00E+00	3.47E-09	7.85E-10	4.98E-09	7.68E-10	6.49E-10	1.07E-08
5198	495363.09	3864877.25	3.12E-05	3.82E-05	3.35E-05	1.08E-08	3.26E-08	1.89E-08	2.31E-08	2.10E-08	9.56E-09	8.38E-09	0.00E+00	0.00E+00	3.47E-09	7.85E-10	4.98E-09	7.68E-10	6.49E-10	1.07E-08
5199	495863.09	3864877.25	3.01E-05	3.69E-05	3.23E-05	1.04E-08	3.15E-08	1.82E-08	2.23E-08	2.02E-08	9.23E-09	8.09E-09	0.00E+00	0.00E+00	3.35E-09	7.57E-10	4.81E-09	7.41E-10	6.27E-10	1.03E-08
5200	496363.09	3864877.25	2.91E-05	3.56E-05	3.12E-05	1.01E-08	3.04E-08	1.76E-08	2.15E-08	1.95E-08	8.91E-09	7.81E-09	0.00E+00	0.00E+00	3.23E-09	7.31E-10	4.64E-09	7.15E-10	6.05E-10	9.92E-09
5201	496863.09	3864877.25	2.80E-05	3.43E-05	3.01E-05	9.70E-09	2.93E-08	1.70E-08	2.08E-08	1.88E-08	8.59E-09	7.53E-09	0.00E+00	0.00E+00	3.12E-09	7.05E-10	4.47E-09	6.90E-10	5.83E-10	9.57E-09
5202	497363.09	3864877.25	2.73E-05	3.34E-05	2.93E-05	9.44E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.36E-09	7.33E-09	0.00E+00	0.00E+00	3.04E-09	6.86E-10	4.35E-09	6.72E-10	5.68E-10	9.32E-09
5203	497863.09	3864877.25	2.69E-05	3.30E-05	2.89E-05	9.32E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.26E-09	7.24E-09	0.00E+00	0.00E+00	3.00E-09	6.77E-10	4.30E-09	6.63E-10	5.60E-10	9.20E-09
5204	498363.09	3864877.25	2.66E-05	3.26E-05	2.85E-05	9.20E-09	2.78E-08	1.61E-08	1.97E-08	1.79E-08	8.15E-09	7.14E-09	0.00E+00	0.00E+00	2.96E-09	6.69E-10	4.24E-09	6.54E-10	5.53E-10	9.08E-09
5205	471363.09	3865377.25	1.46E-05	1.79E-05	1.57E-05	5.05E-09	1.52E-08	8.82E-09	1.08E-08	9.80E-09	4.47E-09	3.92E-09	0.00E+00	0.00E+00	1.62E-09	3.67E-10	2.33E-09	3.59E-10	3.03E-10	4.98E-09
5206	471863.09	3865377.25	1.49E-05	1.83E-05	1.60E-05	5.16E-09	1.56E-08	9.02E-09	1.11E-08	1.00E-08	4.57E-09	4.01E-09	0.00E+00	0.00E+00	1.66E-09	3.75E-10	2.38E-09	3.67E-10	3.10E-10	5.09E-09
5207	472363.09	3865377.25	1.52E-05	1.87E-05	1.64E-05	5.27E-09	1.59E-08	9.21E-09	1.13E-08	1.02E-08	4.67E-09	4.09E-09	0.00E+00	0.00E+00	1.70E-09	3.83E-10	2.43E-09	3.75E-10	3.17E-10	5.20E-09
5208	472863.09	3865377.25	1.56E-05	1.91E-05	1.67E-05	5.39E-09	1.63E-08	9.42E-09	1.15E-08	1.05E-08	4.77E-09	4.18E-09	0.00E+00	0.00E+00	1.73E-09	3.92E-10	2.48E-09	3.83E-10	3.24E-10	5.32E-09
5209	473363.09	3865377.25	1.58E-05	1.94E-05	1.70E-05	5.49E-09	1.66E-08	9.59E-09	1.17E-08	1.06E-08	4.86E-09	4.26E-09	0.00E+00	0.00E+00	1.76E-09	3.99E-10	2.53E-09	3.90E-10	3.30E-10	5.41E-09
5210	473863.09	3865377.25	1.62E-05	1.99E-05	1.74E-05	5.61E-09	1.69E-08	9.81E-09	1.20E-08	1.09E-08	4.97E-09	4.36E-09	0.00E+00	0.00E+00	1.80E-09	4.08E-10	2.59E-09	3.99E-10	3.38E-10	5.54E-09
5211	474363.09	3865377.25	1.67E-05	2.04E-05	1.79E-05	5.77E-09	1.74E-08	1.01E-08	1.23E-08	1.12E-08	5.11E-09	4.48E-09	0.00E+00	0.00E+00	1.85E-09	4.19E-10	2.66E-09	4.10E-10	3.47E-10	5.69E-09
5212	474863.09	3865377.25	1.72E-05	2.11E-05	1.85E-05	5.96E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.28E-09	4.63E-09	0.00E+00	0.00E+00	1.92E-09	4.33E-10	2.75E-09	4.24E-10	3.59E-10	5.88E-09
5213	475363.09	3865377.25	1.78E-05	2.18E-05	1.91E-05	6.16E-09	1.86E-08	1.08E-08	1.32E-08	1.20E-08	5.46E-09	4.79E-09	0.00E+00	0.00E+00	1.98E-09	4.48E-10	2.84E-09	4.38E-10	3.71E-10	6.08E-09

5214	475863.09	3865377.25	1.85E-05	2.26E-05	1.99E-05	6.40E-09	1.93E-08	1.12E-08	1.37E-08	1.24E-08	5.67E-09	4.97E-09	0.00E+00	0.00E+00	2.06E-09	4.65E-10	2.95E-09	4.55E-10	3.85E-10	6.31E-09
5215	476363.09	3865377.25	1.94E-05	2.38E-05	2.09E-05	6.72E-09	2.03E-08	1.18E-08	1.44E-08	1.30E-08	5.95E-09	5.22E-09	0.00E+00	0.00E+00	2.16E-09	4.89E-10	3.10E-09	4.78E-10	4.04E-10	6.63E-09
5216	476863.09	3865377.25	2.01E-05	2.47E-05	2.16E-05	6.97E-09	2.10E-08	1.22E-08	1.49E-08	1.35E-08	6.17E-09	5.41E-09	0.00E+00	0.00E+00	2.24E-09	5.06E-10	3.21E-09	4.95E-10	4.19E-10	6.87E-09
5217	477363.09	3865377.25	2.08E-05	2.54E-05	2.23E-05	7.19E-09	2.17E-08	1.26E-08	1.54E-08	1.40E-08	6.37E-09	5.58E-09	0.00E+00	0.00E+00	2.31E-09	5.22E-10	3.32E-09	5.11E-10	4.32E-10	7.09E-09
5218	477863.09	3865377.25	2.13E-05	2.61E-05	2.29E-05	7.37E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.53E-09	5.73E-09	0.00E+00	0.00E+00	2.37E-09	5.36E-10	3.40E-09	5.24E-10	4.43E-10	7.27E-09
5219	478363.09	3865377.25	2.21E-05	2.70E-05	2.37E-05	7.64E-09	2.31E-08	1.33E-08	1.63E-08	1.48E-08	6.76E-09	5.93E-09	0.00E+00	0.00E+00	2.46E-09	5.55E-10	3.52E-09	5.43E-10	4.59E-10	7.53E-09
5220	478863.09	3865377.25	2.27E-05	2.78E-05	2.44E-05	7.87E-09	2.38E-08	1.38E-08	1.69E-08	1.53E-08	6.97E-09	6.11E-09	0.00E+00	0.00E+00	2.53E-09	5.72E-10	3.63E-09	5.60E-10	4.73E-10	7.77E-09
5221	479363.09	3865377.25	2.35E-05	2.87E-05	2.52E-05	8.12E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.19E-09	6.31E-09	0.00E+00	0.00E+00	2.61E-09	5.90E-10	3.74E-09	5.77E-10	4.88E-10	8.01E-09
5222	479863.09	3865377.25	2.42E-05	2.97E-05	2.60E-05	8.38E-09	2.53E-08	1.47E-08	1.79E-08	1.63E-08	7.42E-09	6.51E-09	0.00E+00	0.00E+00	2.70E-09	6.09E-10	3.87E-09	5.96E-10	5.04E-10	8.27E-09
5223	480363.09	3865377.25	2.47E-05	3.03E-05	2.65E-05	8.55E-09	2.58E-08	1.49E-08	1.83E-08	1.66E-08	7.57E-09	6.64E-09	0.00E+00	0.00E+00	2.75E-09	6.21E-10	3.94E-09	6.08E-10	5.14E-10	8.44E-09
5224	480863.09	3865377.25	2.52E-05	3.09E-05	2.71E-05	8.72E-09	2.63E-08	1.52E-08	1.87E-08	1.69E-08	7.72E-09	6.78E-09	0.00E+00	0.00E+00	2.80E-09	6.34E-10	4.02E-09	6.20E-10	5.25E-10	8.61E-09
5225	481363.09	3865377.25	2.58E-05	3.16E-05	2.77E-05	8.94E-09	2.70E-08	1.56E-08	1.91E-08	1.74E-08	7.92E-09	6.94E-09	0.00E+00	0.00E+00	2.88E-09	6.50E-10	4.12E-09	6.36E-10	5.38E-10	8.82E-09
5226	481863.09	3865377.25	2.64E-05	3.23E-05	2.84E-05	9.14E-09	2.76E-08	1.60E-08	1.96E-08	1.77E-08	8.10E-09	7.10E-09	0.00E+00	0.00E+00	2.94E-09	6.64E-10	4.22E-09	6.50E-10	5.50E-10	9.02E-09
5227	482363.09	3865377.25	2.69E-05	3.30E-05	2.89E-05	9.31E-09	2.81E-08	1.63E-08	1.99E-08	1.81E-08	8.25E-09	7.23E-09	0.00E+00	0.00E+00	3.00E-09	6.77E-10	4.30E-09	6.62E-10	5.60E-10	9.19E-09
5228	482863.09	3865377.25	2.72E-05	3.34E-05	2.93E-05	9.43E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.35E-09	7.32E-09	0.00E+00	0.00E+00	3.03E-09	6.85E-10	4.35E-09	6.71E-10	5.67E-10	9.30E-09
5229	483363.09	3865377.25	2.74E-05	3.36E-05	2.95E-05	9.50E-09	2.87E-08	1.66E-08	2.03E-08	1.84E-08	8.41E-09	7.38E-09	0.00E+00	0.00E+00	3.06E-09	6.90E-10	4.38E-09	6.76E-10	5.71E-10	9.37E-09
5230	483863.09	3865377.25	2.75E-05	3.37E-05	2.96E-05	9.53E-09	2.88E-08	1.66E-08	2.04E-08	1.85E-08	8.44E-09	7.40E-09	0.00E+00	0.00E+00	3.06E-09	6.92E-10	4.39E-09	6.77E-10	5.73E-10	9.40E-09
5231	484363.09	3865377.25	2.76E-05	3.38E-05	2.97E-05	9.56E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.46E-09	7.43E-09	0.00E+00	0.00E+00	3.07E-09	6.95E-10	4.41E-09	6.80E-10	5.75E-10	9.43E-09
5232	484863.09	3865377.25	2.76E-05	3.38E-05	2.97E-05	9.56E-09	2.89E-08	1.67E-08	2.05E-08	1.86E-08	8.46E-09	7.43E-09	0.00E+00	0.00E+00	3.07E-09	6.95E-10	4.41E-09	6.80E-10	5.75E-10	9.43E-09
5233	485363.09	3865377.25	2.74E-05	3.36E-05	2.94E-05	9.48E-09	2.86E-08	1.66E-08	2.03E-08	1.84E-08	8.40E-09	7.37E-09	0.00E+00	0.00E+00	3.05E-09	6.89E-10	4.37E-09	6.74E-10	5.70E-10	9.36E-09
5234	485863.09	3865377.25	2.70E-05	3.31E-05	2.90E-05	9.35E-09	2.82E-08	1.63E-08	2.00E-08	1.82E-08	8.28E-09	7.27E-09	0.00E+00	0.00E+00	3.01E-09	6.80E-10	4.31E-09	6.65E-10	5.63E-10	9.23E-09
5235	486363.09	3865377.25	2.68E-05	3.29E-05	2.88E-05	9.29E-09	2.80E-08	1.62E-08	1.99E-08	1.80E-08	8.23E-09	7.21E-09	0.00E+00	0.00E+00	2.99E-09	6.75E-10	4.28E-09	6.60E-10	5.59E-10	9.16E-09
5236	486863.09	3865377.25	2.67E-05	3.27E-05	2.87E-05	9.24E-09	2.79E-08	1.61E-08	1.98E-08	1.79E-08	8.18E-09	7.17E-09	0.00E+00	0.00E+00	2.97E-09	6.71E-10	4.26E-09	6.57E-10	5.56E-10	9.11E-09
5237	487363.09	3865377.25	2.65E-05	3.24E-05	2.85E-05	9.17E-09	2.77E-08	1.60E-08	1.96E-08	1.78E-08	8.12E-09	7.12E-09	0.00E+00	0.00E+00	2.95E-09	6.66E-10	4.23E-09	6.52E-10	5.52E-10	9.05E-09
5238	487863.09	3865377.25	2.64E-05	3.23E-05	2.83E-05	9.13E-09	2.76E-08	1.60E-08	1.95E-08	1.77E-08	8.08E-09	7.09E-09	0.00E+00	0.00E+00	2.94E-09	6.63E-10	4.21E-09	6.49E-10	5.49E-10	9.01E-09
5239	488363.09	3865377.25	2.65E-05	3.24E-05	2.84E-05	9.16E-09	2.77E-08	1.60E-08	1.96E-08	1.78E-08	8.11E-09	7.12E-09	0.00E+00	0.00E+00	2.95E-09	6.66E-10	4.22E-09	6.52E-10	5.51E-10	9.04E-09
5240	488863.09	3865377.25	2.65E-05	3.24E-05	2.85E-05	9.17E-09	2.77E-08	1.60E-08	1.96E-08	1.78E-08	8.12E-09	7.12E-09	0.00E+00	0.00E+00	2.95E-09	6.66E-10	4.23E-09	6.52E-10	5.52E-10	9.05E-09
5241	489363.09	3865377.25	2.64E-05	3.23E-05	2.84E-05	9.14E-09	2.76E-08	1.60E-08	1.96E-08	1.77E-08	8.09E-09	7.10E-09	0.00E+00	0.00E+00	2.94E-09	6.64E-10	4.21E-09	6.50E-10	5.50E-10	9.02E-09
5242	489863.09	3865377.25	2.63E-05	3.22E-05	2.83E-05	9.11E-09	2.75E-08	1.59E-08	1.95E-08	1.77E-08	8.06E-09	7.07E-09	0.00E+00	0.00E+00	2.93E-09	6.62E-10	4.20E-09	6.48E-10	5.48E-10	8.98E-09
5243	490363.09	3865377.25	2.70E-05	3.31E-05	2.90E-05	9.35E-09	2.82E-08	1.63E-08	2.00E-08	1.81E-08	8.28E-09	7.26E-09	0.00E+00	0.00E+00	3.01E-09	6.79E-10	4.31E-09	6.65E-10	5.62E-10	9.22E-09
5244	490863.09	3865377.25	2.69E-05	3.30E-05	2.89E-05	9.32E-09	2.81E-08	1.63E-08	1.99E-08	1.81E-08	8.25E-09	7.24E-09	0.00E+00	0.00E+00	3.00E-09	6.77E-10	4.30E-09	6.63E-10	5.60E-10	9.19E-09
5245	491363.09	3865377.25	2.70E-05	3.31E-05	2.90E-05	9.35E-09	2.82E-08	1.63E-08	2.00E-08	1.82E-08	8.28E-09	7.26E-09	0.00E+00	0.00E+00	3.01E-09	6.80E-10	4.31E-09	6.65E-10	5.62E-10	9.23E-09
5246	491863.09	3865377.25	2.74E-05	3.35E-05	2.94E-05	9.48E-09	2.86E-08	1.66E-08	2.03E-08	1.84E-08	8.39E-09	7.36E-09	0.00E+00	0.00E+00	3.05E-09	6.89E-10	4.37E-09	6.74E-10	5.70E-10	9.35E-09
5247	492363.09	3865377.25	2.55E-05	3.12E-05	2.74E-05	8.83E-09	2.66E-08	1.54E-08	1.89E-08	1.71E-08	7.82E-09	6.85E-09	0.00E+00	0.00E+00	2.84E-09	6.41E-10	4.07E-09	6.28E-10	5.30E-10	8.71E-09
5248	492863.09	3865377.25	2.17E-05	2.65E-05	2.33E-05	7.50E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.64E-09	5.82E-09	0.00E+00	0.00E+00	2.41E-09	5.45E-10	3.46E-09	5.33E-10	4.51E-10	7.39E-09
5249	493363.09	3865377.25	1.80E-05	2.20E-05	1.93E-05	6.23E-09	1.88E-08	1.09E-08	1.33E-08	1.21E-08	5.52E-09	4.84E-09	0.00E+00	0.00E+00	2.00E-09	4.53E-10	2.87E-09	4.43E-10	3.75E-10	6.15E-09
5250	493863.09	3865377.25	2.43E-05	2.98E-05	2.61E-05	8.42E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.45E-09	6.53E-09	0.00E+00	0.00E+00	2.71E-09	6.12E-10	3.88E-09	5.98E-10	5.06E-10	8.30E-09
5251	494363.09	3865377.25	2.64E-05	3.23E-05	2.83E-05	9.13E-09	2.76E-08	1.60E-08	1.95E-08	1.77E-08	8.08E-09	7.09E-09	0.00E+00	0.00E+00	2.94E-09	6.63E-10	4.21E-09	6.49E-10	5.49E-10	9.01E-09
5252	494863.09	3865377.25	2.74E-05	3.36E-05	2.94E-05	9.49E-09	2.87E-08	1.66E-08	2.03E-08	1.84E-08	8.40E-09	7.37E-09	0.00E+00	0.00E+00	3.05E-09	6.90E-10	4.38E-09	6.75E-10	5.70E-10	9.36E-09
5253	495363.09	3865377.25	2.84E-05	3.48E-05	3.05E-05	9.82E-09	2.97E-08	1.72E-08	2.10E-08	1.91E-08	8.70E-09	7.63E-09	0.00E+00	0.00E+00	3.16E-09	7.14E-10	4.53E-09	6.98E-10	5.90E-10	9.69E-09
5254	495863.09	3865377.25	2.84E-05	3.47E-05	3.05E-05	9.82E-09	2.97E-08	1.72E-08	2.10E-08	1.91E-08	8.70E-09	7.62E-09	0.00E+00	0.00E+00	3.16E-09	7.14E-10	4.53E-09	6.98E-10	5.90E-10	9.69E-09
5255	496363.09	3865377.25	2.78E-05	3.41E-05	2.99E-05	9.62E-09	2.91E-08	1.68E-08	2.06E-08	1.87E-08	8.52E-09	7.47E-09	0.00E+00	0.00E+00	3.09E-09	6.99E-10	4.44E-09	6.84E-10	5.78E-10	9.49E-09
5256	496863.09	3865377.25	2.67E-05	3.27E-05	2.87E-05	9.25E-09	2.79E-08	1.62E-08	1.98E-08	1.79E-08	8.19E-09	7.18E-09	0.00E+00	0.00E+00	2.97E-09	6.72E-10	4.26E-09	6.58E-10	5.56E-10	9.12E-09
5257	497363.09	3865377.25	2.57E-05	3.15E-05	2.76E-05	8.90E-09	2.69E-08	1.56E-08	1.90E-08	1.73E-08	7.88E-09	6.91E-09	0.00E+00	0.00E+00	2.86E-09	6.46E-10	4.10E-09	6.33E-10	5.35E-10	8.78E-09
5258	497863.09	3865377.25	2.50E-05	3.06E-05	2.69E-05	8.66E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.67E-09	6.72E-09	0.00E+00	0.00E+00	2.78E-09	6.29E-10	3.99E-09	6.16E-10	5.20E-10	8.54E-09
5259	498363.09	3865377.25	2.48E-05	3.03E-05	2.66E-05	8.57E-09	2.59E-08	1.50E-08	1.83E-08	1.66E-08	7.59E-09	6.65E-09	0.00E+00	0.00E+00	2.76E-09	6.23E-10	3.95E-09	6.09E-10	5.15E-10	8.45E-09
5260	471363.09	3865877.25	1.38E-05	1.69E-05	1.49E-05	4.79E-09	1.45E-08	8.37E-09	1.03E-08	9.29E-09	4.24E-09	3.72E-09	0.00E+00	0.00E+00	1.54E-09	3.48E-10	2.21E-09	3.41E-10	2.88E-10	4.72E-09
5261	471863.09	3865877.25	1.41E-05	1.73E-05	1.51E-05	4.88E-09	1.47E-08	8.53E-09	1.05E-08	9.47E-09	4.32E-09	3.79E-09	0.00E+00	0.00E+00	1.57E-09	3.55E-10	2.25E-09	3.47E-10	2.93E-10	4.82E-09
5262	472363.09	3865877.25	1.44E-05	1.77E-05	1.55E-05	5.00E-09	1.51E-08	8.74E-09	1.07E-08	9.70E-09	4.43E-09	3.88E-09	0.00E+00	0.00E+00	1.61E-09	3.63E-10	2.31E-09	3.55E-10	3.01E-10	4.93E-09
5263	472863.09	3865877.25	1.47E-05	1.79E-05	1.57E-05	5.07E-09	1.53E-08	8.86E-09	1.09E-08	9.84E-09	4.49E-09	3.94E-09	0.00E+00	0.00E+00	1.63E-09	3.69E-10	2.34E-09	3.61E-10	3.05E-10	5.00E-09
5264	473363.09	3865877.25	1.50E-05	1.83E-05	1.61E-05	5.18E-09	1.56E-08	9.06E-09	1.11E-08	1.01E-08	4.59E-09	4.03E-09	0.00E+00	0.00E+00	1.67E-09	3.77E-10	2.39E-09	3.68E-10	3.12E-10	5.11E-09
5265	473863.09	3865877.25	1.54E-05	1.88E-05	1.65E-05	5.33E-09	1.61E-08	9.31E-09	1.14E-08	1.03E-08	4.72E-09	4.14E-09	0.00E+00	0.00E+00	1.71E-09	3.87E-10	2.46E-09	3.79E-10	3.20E-10	5.25E-09
5266	474363.09	3865877.25	1.59E-05	1.94E-05	1.70E-05	5.49E-09	1.66E-08	9.59E-09	1.18E-08	1.07E-08	4.86E-09	4.26E-09	0.00E+00	0.00E+00	1.77E-09	3.99E-10	2.53E-09	3.90E-10	3.30E-10	5.42E-09
5267	474863.09	3865877.25	1.64E-05	2.01E-05	1.77E-05	5.69E-09	1.72E-08	9.94E-09	1.22E-08	1.10E-08	5.04E-09	4.42E-09	0.00E+00	0.00E+00	1.83E-09	4.13E-10	2.62E-09	4.04E-10	3.42E-10	5.61E-09
5268	475363.09	3865877.25	1.70E-05	2.08E-05	1.83E-05	5.88E-09	1.78E-08	1.03E-08	1.26E-08	1.14E-08	5.21E-09	4.57E-09	0.00E+00	0.00E+00	1.89E-09	4.28E-10	2.71E-09	4.18E-10	3.54E-10	5.80E-09
5269	475863.09	3865877.25	1.76E-05	2.16E-05	1.89E-05	6.09E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.40E-09	4.73E-09	0.00E+00	0.00E+00	1.96E-09	4.43E-10	2.81E-09	4.33E-10	3.66E-10	6.01E-09
5270	476363.09	3865877.25	1.85E-05	2.27E-05	1.99E-05	6.41E-09	1.94E-08	1.12E-08	1.37E-08	1.24E-08	5.68E-09	4.98E-09	0.00E+00	0.00E+00	2.06E-09	4.66E-10	2.96E-09	4.56E-10	3.85E-10	6.32E-09
5271	476863.09	3865877.25	1.91E-05	2.34E-05	2.05E-05	6.61E-09	2.00E-08	1.16E-08	1.42E-08	1.28E-08	5.85E-09	5.13E-09	0.00E+00	0.00E+00	2.13E-09	4.80E-10	3.05E-09	4.70E-10	3.98E-10	6.52E-09

5272	477363.09	3865877.25	1.98E-05	2.43E-05	2.13E-05	6.86E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.08E-09	5.33E-09	0.00E+00	0.00E+00	2.21E-09	4.99E-10	3.16E-09	4.88E-10	4.13E-10	6.77E-09
5273	477863.09	3865877.25	2.02E-05	2.48E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.44E-09	0.00E+00	0.00E+00	2.25E-09	5.09E-10	3.23E-09	4.98E-10	4.21E-10	6.91E-09
5274	478363.09	3865877.25	2.08E-05	2.55E-05	2.24E-05	7.21E-09	2.18E-08	1.26E-08	1.54E-08	1.40E-08	6.39E-09	5.60E-09	0.00E+00	0.00E+00	2.32E-09	5.24E-10	3.32E-09	5.13E-10	4.34E-10	7.11E-09
5275	478863.09	3865877.25	2.15E-05	2.63E-05	2.31E-05	7.43E-09	2.24E-08	1.30E-08	1.59E-08	1.44E-08	6.58E-09	5.77E-09	0.00E+00	0.00E+00	2.39E-09	5.40E-10	3.43E-09	5.28E-10	4.47E-10	7.33E-09
5276	479363.09	3865877.25	2.21E-05	2.70E-05	2.37E-05	7.64E-09	2.31E-08	1.34E-08	1.64E-08	1.48E-08	6.77E-09	5.93E-09	0.00E+00	0.00E+00	2.46E-09	5.55E-10	3.52E-09	5.43E-10	4.60E-10	7.54E-09
5277	479863.09	3865877.25	2.26E-05	2.76E-05	2.42E-05	7.81E-09	2.36E-08	1.36E-08	1.67E-08	1.51E-08	6.91E-09	6.06E-09	0.00E+00	0.00E+00	2.51E-09	5.67E-10	3.60E-09	5.55E-10	4.70E-10	7.70E-09
5278	480363.09	3865877.25	2.30E-05	2.81E-05	2.47E-05	7.95E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.04E-09	6.18E-09	0.00E+00	0.00E+00	2.56E-09	5.78E-10	3.67E-09	5.65E-10	4.78E-10	7.84E-09
5279	480863.09	3865877.25	2.34E-05	2.87E-05	2.52E-05	8.11E-09	2.45E-08	1.42E-08	1.74E-08	1.57E-08	7.18E-09	6.30E-09	0.00E+00	0.00E+00	2.61E-09	5.89E-10	3.74E-09	5.77E-10	4.88E-10	8.00E-09
5280	481363.09	3865877.25	2.39E-05	2.93E-05	2.57E-05	8.28E-09	2.50E-08	1.45E-08	1.77E-08	1.61E-08	7.33E-09	6.43E-09	0.00E+00	0.00E+00	2.66E-09	6.02E-10	3.82E-09	5.89E-10	4.98E-10	8.17E-09
5281	481863.09	3865877.25	2.44E-05	2.99E-05	2.62E-05	8.45E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.48E-09	6.56E-09	0.00E+00	0.00E+00	2.72E-09	6.14E-10	3.90E-09	6.01E-10	5.08E-10	8.34E-09
5282	482363.09	3865877.25	2.48E-05	3.03E-05	2.66E-05	8.57E-09	2.59E-08	1.50E-08	1.84E-08	1.66E-08	7.59E-09	6.66E-09	0.00E+00	0.00E+00	2.76E-09	6.23E-10	3.95E-09	6.10E-10	5.16E-10	8.46E-09
5283	482863.09	3865877.25	2.50E-05	3.06E-05	2.68E-05	8.65E-09	2.61E-08	1.51E-08	1.85E-08	1.68E-08	7.66E-09	6.72E-09	0.00E+00	0.00E+00	2.78E-09	6.29E-10	3.99E-09	6.15E-10	5.20E-10	8.54E-09
5284	483363.09	3865877.25	2.52E-05	3.08E-05	2.70E-05	8.71E-09	2.63E-08	1.52E-08	1.86E-08	1.69E-08	7.71E-09	6.76E-09	0.00E+00	0.00E+00	2.80E-09	6.33E-10	4.02E-09	6.19E-10	5.24E-10	8.59E-09
5285	483863.09	3865877.25	2.53E-05	3.10E-05	2.72E-05	8.76E-09	2.64E-08	1.53E-08	1.87E-08	1.70E-08	7.75E-09	6.80E-09	0.00E+00	0.00E+00	2.82E-09	6.36E-10	4.04E-09	6.23E-10	5.27E-10	8.64E-09
5286	484363.09	3865877.25	2.55E-05	3.12E-05	2.74E-05	8.81E-09	2.66E-08	1.54E-08	1.89E-08	1.71E-08	7.80E-09	6.85E-09	0.00E+00	0.00E+00	2.83E-09	6.40E-10	4.06E-09	6.26E-10	5.30E-10	8.69E-09
5287	484863.09	3865877.25	2.54E-05	3.10E-05	2.72E-05	8.78E-09	2.65E-08	1.53E-08	1.88E-08	1.70E-08	7.77E-09	6.82E-09	0.00E+00	0.00E+00	2.82E-09	6.38E-10	4.05E-09	6.24E-10	5.28E-10	8.66E-09
5288	485363.09	3865877.25	2.51E-05	3.07E-05	2.69E-05	8.67E-09	2.62E-08	1.52E-08	1.86E-08	1.68E-08	7.68E-09	6.74E-09	0.00E+00	0.00E+00	2.79E-09	6.30E-10	4.00E-09	6.17E-10	5.22E-10	8.56E-09
5289	485863.09	3865877.25	2.47E-05	3.03E-05	2.66E-05	8.56E-09	2.59E-08	1.50E-08	1.83E-08	1.66E-08	7.58E-09	6.65E-09	0.00E+00	0.00E+00	2.75E-09	6.22E-10	3.95E-09	6.09E-10	5.15E-10	8.45E-09
5290	486363.09	3865877.25	2.45E-05	3.01E-05	2.64E-05	8.50E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.53E-09	6.60E-09	0.00E+00	0.00E+00	2.73E-09	6.18E-10	3.92E-09	6.04E-10	5.11E-10	8.38E-09
5291	486863.09	3865877.25	2.44E-05	2.99E-05	2.62E-05	8.45E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.49E-09	6.57E-09	0.00E+00	0.00E+00	2.72E-09	6.14E-10	3.90E-09	6.01E-10	5.08E-10	8.34E-09
5292	487363.09	3865877.25	2.42E-05	2.97E-05	2.60E-05	8.39E-09	2.53E-08	1.47E-08	1.80E-08	1.63E-08	7.43E-09	6.52E-09	0.00E+00	0.00E+00	2.70E-09	6.10E-10	3.87E-09	5.97E-10	5.05E-10	8.28E-09
5293	487863.09	3865877.25	2.43E-05	2.98E-05	2.61E-05	8.41E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.45E-09	6.54E-09	0.00E+00	0.00E+00	2.71E-09	6.11E-10	3.88E-09	5.98E-10	5.06E-10	8.30E-09
5294	488363.09	3865877.25	2.43E-05	2.98E-05	2.62E-05	8.42E-09	2.54E-08	1.47E-08	1.80E-08	1.63E-08	7.46E-09	6.54E-09	0.00E+00	0.00E+00	2.71E-09	6.12E-10	3.88E-09	5.99E-10	5.07E-10	8.31E-09
5295	488863.09	3865877.25	2.45E-05	3.00E-05	2.63E-05	8.47E-09	2.56E-08	1.48E-08	1.81E-08	1.64E-08	7.50E-09	6.58E-09	0.00E+00	0.00E+00	2.72E-09	6.16E-10	3.91E-09	6.03E-10	5.10E-10	8.36E-09
5296	489363.09	3865877.25	2.45E-05	3.00E-05	2.63E-05	8.49E-09	2.56E-08	1.48E-08	1.82E-08	1.65E-08	7.52E-09	6.59E-09	0.00E+00	0.00E+00	2.73E-09	6.17E-10	3.91E-09	6.04E-10	5.11E-10	8.38E-09
5297	489863.09	3865877.25	2.44E-05	2.99E-05	2.62E-05	8.44E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.48E-09	6.56E-09	0.00E+00	0.00E+00	2.72E-09	6.14E-10	3.89E-09	6.00E-10	5.08E-10	8.33E-09
5298	490363.09	3865877.25	2.45E-05	3.01E-05	2.64E-05	8.49E-09	2.56E-08	1.48E-08	1.82E-08	1.65E-08	7.52E-09	6.60E-09	0.00E+00	0.00E+00	2.73E-09	6.17E-10	3.92E-09	6.04E-10	5.11E-10	8.38E-09
5299	490863.09	3865877.25	2.46E-05	3.02E-05	2.65E-05	8.53E-09	2.57E-08	1.49E-08	1.83E-08	1.66E-08	7.55E-09	6.62E-09	0.00E+00	0.00E+00	2.74E-09	6.20E-10	3.93E-09	6.06E-10	5.13E-10	8.41E-09
5300	491363.09	3865877.25	2.45E-05	3.00E-05	2.63E-05	8.48E-09	2.56E-08	1.48E-08	1.82E-08	1.65E-08	7.51E-09	6.59E-09	0.00E+00	0.00E+00	2.73E-09	6.16E-10	3.91E-09	6.03E-10	5.10E-10	8.37E-09
5301	491863.09	3865877.25	2.47E-05	3.03E-05	2.66E-05	8.56E-09	2.58E-08	1.50E-08	1.83E-08	1.66E-08	7.58E-09	6.65E-09	0.00E+00	0.00E+00	2.75E-09	6.22E-10	3.95E-09	6.09E-10	5.15E-10	8.44E-09
5302	492363.09	3865877.25	2.45E-05	3.01E-05	2.64E-05	8.50E-09	2.57E-08	1.48E-08	1.82E-08	1.65E-08	7.52E-09	6.60E-09	0.00E+00	0.00E+00	2.73E-09	6.17E-10	3.92E-09	6.04E-10	5.11E-10	8.38E-09
5303	492863.09	3865877.25	2.07E-05	2.53E-05	2.22E-05	7.16E-09	2.16E-08	1.25E-08	1.53E-08	1.39E-08	6.34E-09	5.56E-09	0.00E+00	0.00E+00	2.30E-09	5.20E-10	3.30E-09	5.09E-10	4.30E-10	7.06E-09
5304	493363.09	3865877.25	2.10E-05	2.57E-05	2.25E-05	7.27E-09	2.19E-08	1.27E-08	1.56E-08	1.41E-08	6.44E-09	5.64E-09	0.00E+00	0.00E+00	2.34E-09	5.28E-10	3.35E-09	5.17E-10	4.37E-10	7.17E-09
5305	493863.09	3865877.25	2.34E-05	2.87E-05	2.51E-05	8.10E-09	2.45E-08	1.42E-08	1.73E-08	1.57E-08	7.17E-09	6.29E-09	0.00E+00	0.00E+00	2.61E-09	5.89E-10	3.74E-09	5.76E-10	4.87E-10	7.99E-09
5306	494363.09	3865877.25	2.45E-05	3.00E-05	2.63E-05	8.46E-09	2.56E-08	1.48E-08	1.81E-08	1.64E-08	7.50E-09	6.57E-09	0.00E+00	0.00E+00	2.72E-09	6.15E-10	3.90E-09	6.02E-10	5.09E-10	8.35E-09
5307	494863.09	3865877.25	2.49E-05	3.05E-05	2.67E-05	8.61E-09	2.60E-08	1.51E-08	1.84E-08	1.67E-08	7.63E-09	6.69E-09	0.00E+00	0.00E+00	2.77E-09	6.26E-10	3.97E-09	6.12E-10	5.18E-10	8.49E-09
5308	495363.09	3865877.25	2.52E-05	3.08E-05	2.70E-05	8.71E-09	2.63E-08	1.52E-08	1.86E-08	1.69E-08	7.71E-09	6.76E-09	0.00E+00	0.00E+00	2.80E-09	6.33E-10	4.02E-09	6.19E-10	5.24E-10	8.59E-09
5309	495863.09	3865877.25	2.60E-05	3.18E-05	2.79E-05	8.99E-09	2.71E-08	1.57E-08	1.92E-08	1.74E-08	7.96E-09	6.98E-09	0.00E+00	0.00E+00	2.89E-09	6.53E-10	4.14E-09	6.39E-10	5.40E-10	8.87E-09
5310	496363.09	3865877.25	2.63E-05	3.22E-05	2.82E-05	9.10E-09	2.75E-08	1.59E-08	1.95E-08	1.77E-08	8.05E-09	7.06E-09	0.00E+00	0.00E+00	2.92E-09	6.61E-10	4.19E-09	6.47E-10	5.47E-10	8.97E-09
5311	496863.09	3865877.25	2.58E-05	3.16E-05	2.77E-05	8.94E-09	2.70E-08	1.56E-08	1.91E-08	1.73E-08	7.92E-09	6.94E-09	0.00E+00	0.00E+00	2.87E-09	6.50E-10	4.12E-09	6.36E-10	5.37E-10	8.82E-09
5312	497363.09	3865877.25	2.46E-05	3.02E-05	2.65E-05	8.53E-09	2.58E-08	1.49E-08	1.83E-08	1.66E-08	7.55E-09	6.62E-09	0.00E+00	0.00E+00	2.74E-09	6.20E-10	3.93E-09	6.07E-10	5.13E-10	8.42E-09
5313	497863.09	3865877.25	2.37E-05	2.90E-05	2.54E-05	8.20E-09	2.48E-08	1.43E-08	1.76E-08	1.59E-08	7.26E-09	6.37E-09	0.00E+00	0.00E+00	2.64E-09	5.96E-10	3.78E-09	5.83E-10	4.93E-10	8.09E-09
5314	498363.09	3865877.25	2.30E-05	2.82E-05	2.47E-05	7.96E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.05E-09	6.18E-09	0.00E+00	0.00E+00	2.56E-09	5.78E-10	3.67E-09	5.66E-10	4.78E-10	7.85E-09
5315	471363.09	3866377.25	1.31E-05	1.60E-05	1.41E-05	4.53E-09	1.37E-08	7.92E-09	9.71E-09	8.80E-09	4.01E-09	3.52E-09	0.00E+00	0.00E+00	1.46E-09	3.29E-10	2.09E-09	3.22E-10	2.73E-10	4.47E-09
5316	471863.09	3866377.25	1.34E-05	1.64E-05	1.44E-05	4.63E-09	1.40E-08	8.10E-09	9.92E-09	8.99E-09	4.10E-09	3.60E-09	0.00E+00	0.00E+00	1.49E-09	3.37E-10	2.14E-09	3.29E-10	2.79E-10	4.57E-09
5317	472363.09	3866377.25	1.37E-05	1.67E-05	1.47E-05	4.73E-09	1.43E-08	8.26E-09	1.01E-08	9.18E-09	4.19E-09	3.67E-09	0.00E+00	0.00E+00	1.52E-09	3.44E-10	2.18E-09	3.36E-10	2.84E-10	4.67E-09
5318	472863.09	3866377.25	1.39E-05	1.70E-05	1.49E-05	4.81E-09	1.45E-08	8.40E-09	1.03E-08	9.33E-09	4.26E-09	3.74E-09	0.00E+00	0.00E+00	1.55E-09	3.49E-10	2.22E-09	3.42E-10	2.89E-10	4.74E-09
5319	473363.09	3866377.25	1.43E-05	1.75E-05	1.53E-05	4.94E-09	1.49E-08	8.63E-09	1.06E-08	9.59E-09	4.37E-09	3.84E-09	0.00E+00	0.00E+00	1.59E-09	3.59E-10	2.28E-09	3.51E-10	2.97E-10	4.87E-09
5320	473863.09	3866377.25	1.47E-05	1.80E-05	1.58E-05	5.08E-09	1.53E-08	8.87E-09	1.09E-08	9.85E-09	4.50E-09	3.94E-09	0.00E+00	0.00E+00	1.63E-09	3.69E-10	2.34E-09	3.61E-10	3.05E-10	5.01E-09
5321	474363.09	3866377.25	1.51E-05	1.85E-05	1.63E-05	5.24E-09	1.58E-08	9.16E-09	1.12E-08	1.02E-08	4.64E-09	4.07E-09	0.00E+00	0.00E+00	1.69E-09	3.81E-10	2.42E-09	3.73E-10	3.15E-10	5.17E-09
5322	474863.09	3866377.25	1.57E-05	1.92E-05	1.68E-05	5.43E-09	1.64E-08	9.49E-09	1.16E-08	1.05E-08	4.81E-09	4.22E-09	0.00E+00	0.00E+00	1.75E-09	3.94E-10	2.50E-09	3.86E-10	3.26E-10	5.36E-09
5323	475363.09	3866377.25	1.62E-05	1.98E-05	1.74E-05	5.60E-09	1.69E-08	9.78E-09	1.20E-08	1.09E-08	4.96E-09	4.35E-09	0.00E+00	0.00E+00	1.80E-09	4.07E-10	2.58E-09	3.98E-10	3.37E-10	5.52E-09
5324	475863.09	3866377.25	1.67E-05	2.04E-05	1.79E-05	5.77E-09	1.74E-08	1.01E-08	1.24E-08	1.12E-08	5.11E-09	4.48E-09	0.00E+00	0.00E+00	1.86E-09	4.19E-10	2.66E-09	4.10E-10	3.47E-10	5.69E-09
5325	476363.09	3866377.25	1.76E-05	2.15E-05	1.89E-05	6.08E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.39E-09	4.73E-09	0.00E+00	0.00E+00	1.96E-09	4.42E-10	2.81E-09	4.33E-10	3.66E-10	6.00E-09
5326	476863.09	3866377.25	1.81E-05	2.21E-05	1.94E-05	6.25E-09	1.89E-08	1.09E-08	1.34E-08	1.21E-08	5.54E-09	4.86E-09	0.00E+00	0.00E+00	2.01E-09	4.54E-10	2.88E-09	4.45E-10	3.76E-10	6.17E-09
5327	477363.09	3866377.25	1.90E-05	2.33E-05	2.04E-05	6.57E-09	1.98E-08	1.15E-08	1.41E-08	1.28E-08	5.82E-09	5.10E-09	0.00E+00	0.00E+00	2.11E-09	4.78E-10	3.03E-09	4.67E-10	3.95E-10	6.48E-09
5328	477863.09	3866377.25	1.93E-05	2.37E-05	2.08E-05	6.69E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.92E-09	5.19E-09	0.00E+00	0.00E+00	2.15E-09	4.86E-10	3.08E-09	4.75E-10	4.02E-10	6.60E-09
5329	478363.09	3866377.25	1.97E-05	2.41E-05	2.12E-05	6.82E-09	2.06E-08	1.19E-08	1.46E-08	1.32E-08	6.04E-09	5.30E-09	0.00E+00	0.00E+00	2.19E-09	4.95E-10	3.14E-09	4.85E-10	4.10E-10	6.73E-09

5330	478863.09	3866377.25	2.03E-05	2.48E-05	2.18E-05	7.02E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.21E-09	5.45E-09	0.00E+00	0.00E+00	2.26E-09	5.10E-10	3.24E-09	4.99E-10	4.22E-10	6.92E-09
5331	479363.09	3866377.25	2.08E-05	2.55E-05	2.23E-05	7.20E-09	2.17E-08	1.26E-08	1.54E-08	1.40E-08	6.38E-09	5.59E-09	0.00E+00	0.00E+00	2.32E-09	5.23E-10	3.32E-09	5.12E-10	4.33E-10	7.10E-09
5332	479863.09	3866377.25	2.13E-05	2.60E-05	2.28E-05	7.36E-09	2.22E-08	1.29E-08	1.58E-08	1.43E-08	6.52E-09	5.72E-09	0.00E+00	0.00E+00	2.37E-09	5.35E-10	3.39E-09	5.23E-10	4.43E-10	7.26E-09
5333	480363.09	3866377.25	2.16E-05	2.65E-05	2.32E-05	7.48E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.63E-09	5.81E-09	0.00E+00	0.00E+00	2.41E-09	5.44E-10	3.45E-09	5.32E-10	4.50E-10	7.38E-09
5334	480863.09	3866377.25	2.20E-05	2.69E-05	2.36E-05	7.60E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.73E-09	5.90E-09	0.00E+00	0.00E+00	2.44E-09	5.52E-10	3.51E-09	5.41E-10	4.57E-10	7.50E-09
5335	481363.09	3866377.25	2.24E-05	2.75E-05	2.41E-05	7.76E-09	2.34E-08	1.36E-08	1.66E-08	1.51E-08	6.87E-09	6.03E-09	0.00E+00	0.00E+00	2.50E-09	5.64E-10	3.58E-09	5.52E-10	4.67E-10	7.66E-09
5336	481863.09	3866377.25	2.27E-05	2.78E-05	2.44E-05	7.86E-09	2.37E-08	1.37E-08	1.68E-08	1.53E-08	6.96E-09	6.11E-09	0.00E+00	0.00E+00	2.53E-09	5.71E-10	3.63E-09	5.59E-10	4.73E-10	7.76E-09
5337	482363.09	3866377.25	2.29E-05	2.81E-05	2.46E-05	7.93E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.02E-09	6.16E-09	0.00E+00	0.00E+00	2.55E-09	5.76E-10	3.66E-09	5.64E-10	4.77E-10	7.83E-09
5338	482863.09	3866377.25	2.31E-05	2.83E-05	2.48E-05	7.99E-09	2.41E-08	1.40E-08	1.71E-08	1.55E-08	7.08E-09	6.21E-09	0.00E+00	0.00E+00	2.57E-09	5.81E-10	3.69E-09	5.68E-10	4.81E-10	7.89E-09
5339	483363.09	3866377.25	2.32E-05	2.84E-05	2.50E-05	8.04E-09	2.43E-08	1.41E-08	1.72E-08	1.56E-08	7.12E-09	6.25E-09	0.00E+00	0.00E+00	2.59E-09	5.84E-10	3.71E-09	5.72E-10	4.84E-10	7.93E-09
5340	483863.09	3866377.25	2.34E-05	2.86E-05	2.51E-05	8.09E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.17E-09	6.29E-09	0.00E+00	0.00E+00	2.60E-09	5.88E-10	3.73E-09	5.76E-10	4.87E-10	7.99E-09
5341	484363.09	3866377.25	2.34E-05	2.87E-05	2.52E-05	8.12E-09	2.45E-08	1.42E-08	1.74E-08	1.58E-08	7.19E-09	6.31E-09	0.00E+00	0.00E+00	2.61E-09	5.90E-10	3.74E-09	5.77E-10	4.88E-10	8.01E-09
5342	484863.09	3866377.25	2.34E-05	2.87E-05	2.52E-05	8.11E-09	2.45E-08	1.42E-08	1.74E-08	1.57E-08	7.18E-09	6.30E-09	0.00E+00	0.00E+00	2.61E-09	5.89E-10	3.74E-09	5.77E-10	4.88E-10	8.00E-09
5343	485363.09	3866377.25	2.31E-05	2.82E-05	2.48E-05	7.98E-09	2.41E-08	1.40E-08	1.71E-08	1.55E-08	7.07E-09	6.20E-09	0.00E+00	0.00E+00	2.57E-09	5.80E-10	3.68E-09	5.68E-10	4.80E-10	7.87E-09
5344	485863.09	3866377.25	2.27E-05	2.78E-05	2.44E-05	7.87E-09	2.38E-08	1.38E-08	1.68E-08	1.53E-08	6.97E-09	6.11E-09	0.00E+00	0.00E+00	2.53E-09	5.72E-10	3.63E-09	5.59E-10	4.73E-10	7.76E-09
5345	486363.09	3866377.25	2.26E-05	2.77E-05	2.43E-05	7.82E-09	2.36E-08	1.37E-08	1.67E-08	1.52E-08	6.93E-09	6.08E-09	0.00E+00	0.00E+00	2.52E-09	5.69E-10	3.61E-09	5.56E-10	4.71E-10	7.72E-09
5346	486863.09	3866377.25	2.25E-05	2.76E-05	2.42E-05	7.79E-09	2.35E-08	1.36E-08	1.67E-08	1.51E-08	6.90E-09	6.05E-09	0.00E+00	0.00E+00	2.51E-09	5.66E-10	3.59E-09	5.54E-10	4.69E-10	7.69E-09
5347	487363.09	3866377.25	2.29E-05	2.80E-05	2.46E-05	7.91E-09	2.39E-08	1.38E-08	1.69E-08	1.54E-08	7.01E-09	6.15E-09	0.00E+00	0.00E+00	2.54E-09	5.75E-10	3.65E-09	5.63E-10	4.76E-10	7.81E-09
5348	487863.09	3866377.25	2.32E-05	2.84E-05	2.49E-05	8.01E-09	2.42E-08	1.40E-08	1.72E-08	1.56E-08	7.10E-09	6.23E-09	0.00E+00	0.00E+00	2.58E-09	5.82E-10	3.70E-09	5.70E-10	4.82E-10	7.91E-09
5349	488363.09	3866377.25	2.32E-05	2.84E-05	2.49E-05	8.02E-09	2.42E-08	1.40E-08	1.72E-08	1.56E-08	7.10E-09	6.23E-09	0.00E+00	0.00E+00	2.58E-09	5.83E-10	3.70E-09	5.70E-10	4.82E-10	7.91E-09
5350	488863.09	3866377.25	2.34E-05	2.86E-05	2.51E-05	8.09E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.17E-09	6.29E-09	0.00E+00	0.00E+00	2.60E-09	5.88E-10	3.73E-09	5.75E-10	4.87E-10	7.98E-09
5351	489363.09	3866377.25	2.33E-05	2.86E-05	2.51E-05	8.08E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.16E-09	6.28E-09	0.00E+00	0.00E+00	2.60E-09	5.87E-10	3.73E-09	5.75E-10	4.86E-10	7.97E-09
5352	489863.09	3866377.25	2.31E-05	2.83E-05	2.48E-05	8.00E-09	2.42E-08	1.40E-08	1.71E-08	1.55E-08	7.09E-09	6.21E-09	0.00E+00	0.00E+00	2.57E-09	5.82E-10	3.69E-09	5.69E-10	4.81E-10	7.90E-09
5353	490363.09	3866377.25	2.27E-05	2.78E-05	2.44E-05	7.85E-09	2.37E-08	1.37E-08	1.68E-08	1.52E-08	6.95E-09	6.10E-09	0.00E+00	0.00E+00	2.52E-09	5.70E-10	3.62E-09	5.58E-10	4.72E-10	7.75E-09
5354	490863.09	3866377.25	2.24E-05	2.74E-05	2.41E-05	7.76E-09	2.34E-08	1.36E-08	1.66E-08	1.51E-08	6.87E-09	6.02E-09	0.00E+00	0.00E+00	2.49E-09	5.64E-10	3.58E-09	5.52E-10	4.66E-10	7.65E-09
5355	491363.09	3866377.25	2.26E-05	2.77E-05	2.43E-05	7.82E-09	2.36E-08	1.37E-08	1.67E-08	1.52E-08	6.92E-09	6.07E-09	0.00E+00	0.00E+00	2.51E-09	5.68E-10	3.60E-09	5.56E-10	4.70E-10	7.71E-09
5356	491863.09	3866377.25	2.23E-05	2.73E-05	2.39E-05	7.72E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.83E-09	5.99E-09	0.00E+00	0.00E+00	2.48E-09	5.61E-10	3.56E-09	5.49E-10	4.64E-10	7.61E-09
5357	492363.09	3866377.25	2.26E-05	2.77E-05	2.43E-05	7.84E-09	2.37E-08	1.37E-08	1.68E-08	1.52E-08	6.94E-09	6.09E-09	0.00E+00	0.00E+00	2.52E-09	5.70E-10	3.62E-09	5.58E-10	4.71E-10	7.73E-09
5358	492863.09	3866377.25	2.14E-05	2.62E-05	2.29E-05	7.39E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.55E-09	5.74E-09	0.00E+00	0.00E+00	2.38E-09	5.37E-10	3.41E-09	5.26E-10	4.44E-10	7.29E-09
5359	493363.09	3866377.25	2.15E-05	2.64E-05	2.31E-05	7.46E-09	2.25E-08	1.30E-08	1.60E-08	1.45E-08	6.60E-09	5.79E-09	0.00E+00	0.00E+00	2.40E-09	5.42E-10	3.44E-09	5.30E-10	4.48E-10	7.36E-09
5360	493863.09	3866377.25	2.26E-05	2.76E-05	2.42E-05	7.81E-09	2.36E-08	1.36E-08	1.67E-08	1.52E-08	6.92E-09	6.06E-09	0.00E+00	0.00E+00	2.51E-09	5.67E-10	3.60E-09	5.55E-10	4.70E-10	7.70E-09
5361	494363.09	3866377.25	2.33E-05	2.85E-05	2.50E-05	8.06E-09	2.43E-08	1.41E-08	1.73E-08	1.57E-08	7.14E-09	6.26E-09	0.00E+00	0.00E+00	2.59E-09	5.86E-10	3.72E-09	5.73E-10	4.85E-10	7.96E-09
5362	494863.09	3866377.25	2.29E-05	2.81E-05	2.46E-05	7.94E-09	2.40E-08	1.39E-08	1.70E-08	1.54E-08	7.03E-09	6.17E-09	0.00E+00	0.00E+00	2.55E-09	5.77E-10	3.66E-09	5.65E-10	4.78E-10	7.84E-09
5363	495363.09	3866377.25	2.22E-05	2.72E-05	2.39E-05	7.69E-09	2.32E-08	1.34E-08	1.65E-08	1.49E-08	6.81E-09	5.97E-09	0.00E+00	0.00E+00	2.47E-09	5.59E-10	3.55E-09	5.47E-10	4.62E-10	7.59E-09
5364	495863.09	3866377.25	2.26E-05	2.77E-05	2.43E-05	7.84E-09	2.37E-08	1.37E-08	1.68E-08	1.52E-08	6.94E-09	6.08E-09	0.00E+00	0.00E+00	2.52E-09	5.69E-10	3.61E-09	5.57E-10	4.71E-10	7.73E-09
5365	496363.09	3866377.25	2.40E-05	2.94E-05	2.57E-05	8.30E-09	2.51E-08	1.45E-08	1.78E-08	1.61E-08	7.35E-09	6.44E-09	0.00E+00	0.00E+00	2.67E-09	6.03E-10	3.83E-09	5.90E-10	4.99E-10	8.19E-09
5366	496863.09	3866377.25	2.42E-05	2.96E-05	2.60E-05	8.38E-09	2.53E-08	1.46E-08	1.79E-08	1.63E-08	7.42E-09	6.50E-09	0.00E+00	0.00E+00	2.69E-09	6.09E-10	3.86E-09	5.96E-10	5.04E-10	8.27E-09
5367	497363.09	3866377.25	2.38E-05	2.91E-05	2.55E-05	8.23E-09	2.49E-08	1.44E-08	1.76E-08	1.60E-08	7.29E-09	6.39E-09	0.00E+00	0.00E+00	2.65E-09	5.98E-10	3.80E-09	5.86E-10	4.95E-10	8.12E-09
5368	497863.09	3866377.25	2.28E-05	2.80E-05	2.45E-05	7.91E-09	2.39E-08	1.38E-08	1.69E-08	1.53E-08	7.00E-09	6.14E-09	0.00E+00	0.00E+00	2.54E-09	5.74E-10	3.65E-09	5.62E-10	4.75E-10	7.80E-09
5369	498363.09	3866377.25	2.08E-05	2.55E-05	2.23E-05	7.20E-09	2.17E-08	1.26E-08	1.54E-08	1.40E-08	6.38E-09	5.59E-09	0.00E+00	0.00E+00	2.32E-09	5.23E-10	3.32E-09	5.12E-10	4.33E-10	7.10E-09
5370	474494.92	3848334.16	1.52E-05	1.86E-05	1.63E-05	5.25E-09	1.58E-08	9.17E-09	1.12E-08	1.02E-08	4.65E-09	4.07E-09	0.00E+00	0.00E+00	1.69E-09	3.81E-10	2.42E-09	3.73E-10	3.15E-10	5.18E-09
5371	475167.27	3848920.79	1.73E-05	2.12E-05	1.86E-05	5.99E-09	1.81E-08	1.05E-08	1.28E-08	1.16E-08	5.30E-09	4.65E-09	0.00E+00	0.00E+00	1.93E-09	4.35E-10	2.76E-09	4.26E-10	3.60E-10	5.91E-09
5372	475297.89	3848997.96	1.76E-05	2.16E-05	1.89E-05	6.10E-09	1.84E-08	1.07E-08	1.31E-08	1.18E-08	5.40E-09	4.74E-09	0.00E+00	0.00E+00	1.96E-09	4.43E-10	2.81E-09	4.34E-10	3.67E-10	6.02E-09
5373	475439.05	3849062	1.76E-05	2.15E-05	1.89E-05	6.08E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.39E-09	4.73E-09	0.00E+00	0.00E+00	1.96E-09	4.42E-10	2.81E-09	4.33E-10	3.66E-10	6.00E-09
5374	475486.86	3849061.09	1.75E-05	2.14E-05	1.88E-05	6.05E-09	1.83E-08	1.06E-08	1.30E-08	1.17E-08	5.36E-09	4.70E-09	0.00E+00	0.00E+00	1.95E-09	4.40E-10	2.79E-09	4.30E-10	3.64E-10	5.97E-09
5375	475538.46	3849075.56	1.76E-05	2.16E-05	1.89E-05	6.09E-09	1.84E-08	1.06E-08	1.30E-08	1.18E-08	5.39E-09	4.73E-09	0.00E+00	0.00E+00	1.96E-09	4.43E-10	2.81E-09	4.33E-10	3.66E-10	6.01E-09
5376	475751.79	3849137.15	1.83E-05	2.25E-05	1.97E-05	6.35E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.62E-09	4.93E-09	0.00E+00	0.00E+00	2.04E-09	4.61E-10	2.93E-09	4.51E-10	3.82E-10	6.26E-09
5377	476303.62	3849223.38	1.93E-05	2.36E-05	2.07E-05	6.67E-09	2.01E-08	1.17E-08	1.43E-08	1.29E-08	5.90E-09	5.18E-09	0.00E+00	0.00E+00	2.14E-09	4.84E-10	3.07E-09	4.74E-10	4.01E-10	6.58E-09
5378	476304.51	3849238.92	1.94E-05	2.37E-05	2.08E-05	6.70E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.93E-09	5.20E-09	0.00E+00	0.00E+00	2.15E-09	4.87E-10	3.09E-09	4.76E-10	4.03E-10	6.61E-09
5379	476365.04	3849247.98	1.95E-05	2.38E-05	2.09E-05	6.73E-09	2.03E-08	1.18E-08	1.44E-08	1.31E-08	5.96E-09	5.23E-09	0.00E+00	0.00E+00	2.17E-09	4.89E-10	3.10E-09	4.79E-10	4.05E-10	6.64E-09
5380	476444.86	3849267.13	1.95E-05	2.39E-05	2.09E-05	6.74E-09	2.04E-08	1.18E-08	1.44E-08	1.31E-08	5.97E-09	5.24E-09	0.00E+00	0.00E+00	2.17E-09	4.90E-10	3.11E-09	4.79E-10	4.05E-10	6.65E-09
5381	476550.75	3849300.66	1.98E-05	2.42E-05	2.13E-05	6.85E-09	2.07E-08	1.20E-08	1.47E-08	1.33E-08	6.06E-09	5.32E-09	0.00E+00	0.00E+00	2.20E-09	4.98E-10	3.16E-09	4.87E-10	4.12E-10	6.76E-09
5382	476656.71	3849346.88	2.01E-05	2.46E-05	2.15E-05	6.94E-09	2.10E-08	1.21E-08	1.49E-08	1.35E-08	6.15E-09	5.39E-09	0.00E+00	0.00E+00	2.23E-09	5.04E-10	3.20E-09	4.94E-10	4.18E-10	6.85E-09
5383	476873.55	3849454.53	2.08E-05	2.55E-05	2.24E-05	7.21E-09	2.18E-08	1.26E-08	1.54E-08	1.40E-08	6.38E-09	5.60E-09	0.00E+00	0.00E+00	2.32E-09	5.24E-10	3.32E-09	5.13E-10	4.34E-10	7.11E-09
5384	477700	3849859.7	2.38E-05	2.91E-05	2.56E-05	8.24E-09	2.49E-08	1.44E-08	1.76E-08	1.60E-08	7.30E-09	6.40E-09	0.00E+00	0.00E+00	2.65E-09	5.99E-10	3.80E-09	5.86E-10	4.96E-10	8.13E-09
5385	477743.16	3849856.38	2.35E-05	2.88E-05	2.52E-05	8.13E-09	2.46E-08	1.42E-08	1.74E-08	1.58E-08	7.20E-09	6.32E-09	0.00E+00	0.00E+00	2.61E-09	5.91E-10	3.75E-09	5.78E-10	4.89E-10	8.02E-09
5386	478477.35	3850216.33	2.55E-05	3.13E-05	2.74E-05	8.84E-09	2.67E-08	1.55E-08	1.89E-08	1.72E-08	7.83E-09	6.87E-09	0.00E+00	0.00E+00	2.84E-09	6.43E-10	4.08E-09	6.29E-10	5.32E-10	8.72E-09
5387	478485.8	3850201.6	2.55E-05	3.12E-05	2.74E-05	8.82E-09	2.66E-08	1.54E-08	1.89E-08	1.71E-08	7.81E-09	6.85E-09	0.00E+00	0.00E+00	2.84E-09	6.41E-10	4.07E-09	6.27E-10	5.31E-10	8.70E-09

5388	479113.21	3850501.53	3.09E-05	3.78E-05	3.32E-05	1.07E-08	3.23E-08	1.87E-08	2.29E-08	2.07E-08	9.47E-09	8.31E-09	0.00E+00	0.00E+00	3.44E-09	7.77E-10	4.93E-09	7.60E-10	6.43E-10	1.05E-08
5389	479108.11	3850382.28	3.07E-05	3.76E-05	3.30E-05	1.06E-08	3.21E-08	1.86E-08	2.28E-08	2.07E-08	9.42E-09	8.27E-09	0.00E+00	0.00E+00	3.42E-09	7.73E-10	4.91E-09	7.57E-10	6.40E-10	1.05E-08
5390	479689.85	3850674.28	3.66E-05	4.48E-05	3.93E-05	1.27E-08	3.82E-08	2.21E-08	2.71E-08	2.46E-08	1.12E-08	9.84E-09	0.00E+00	0.00E+00	4.07E-09	9.21E-10	5.84E-09	9.01E-10	7.62E-10	1.25E-08
5391	479952.42	3850774.28	4.03E-05	4.94E-05	4.33E-05	1.39E-08	4.21E-08	2.44E-08	2.99E-08	2.71E-08	1.24E-08	1.08E-08	0.00E+00	0.00E+00	4.48E-09	1.01E-09	6.43E-09	9.92E-10	8.39E-10	1.38E-08
5392	479911.32	3850884.85	3.97E-05	4.86E-05	4.26E-05	1.37E-08	4.14E-08	2.40E-08	2.94E-08	2.66E-08	1.22E-08	1.07E-08	0.00E+00	0.00E+00	4.41E-09	9.98E-10	6.33E-09	9.76E-10	8.26E-10	1.35E-08
5393	480500.92	3851178.12	4.87E-05	5.97E-05	5.24E-05	1.69E-08	5.09E-08	2.95E-08	3.61E-08	3.28E-08	1.49E-08	1.31E-08	0.00E+00	0.00E+00	5.43E-09	1.23E-09	7.78E-09	1.20E-09	1.01E-09	1.66E-08
5394	480738.01	3851289.27	5.26E-05	6.44E-05	5.65E-05	1.82E-08	5.49E-08	3.18E-08	3.90E-08	3.53E-08	1.61E-08	1.41E-08	0.00E+00	0.00E+00	5.85E-09	1.32E-09	8.39E-09	1.29E-09	1.09E-09	1.80E-08
5395	481055.42	3851443.58	5.76E-05	7.05E-05	6.18E-05	1.99E-08	6.02E-08	3.48E-08	4.27E-08	3.87E-08	1.76E-08	1.55E-08	0.00E+00	0.00E+00	6.41E-09	1.45E-09	9.19E-09	1.42E-09	1.20E-09	1.97E-08
5396	481110.22	3851443.15	5.81E-05	7.11E-05	6.24E-05	2.01E-08	6.07E-08	3.51E-08	4.30E-08	3.90E-08	1.78E-08	1.56E-08	0.00E+00	0.00E+00	6.47E-09	1.46E-09	9.27E-09	1.43E-09	1.21E-09	1.98E-08
5397	481111.1	3851417.45	5.77E-05	7.07E-05	6.20E-05	2.00E-08	6.04E-08	3.49E-08	4.28E-08	3.88E-08	1.77E-08	1.55E-08	0.00E+00	0.00E+00	6.43E-09	1.45E-09	9.22E-09	1.42E-09	1.20E-09	1.97E-08
5398	482248.44	3852605.09	9.83E-05	1.20E-04	1.06E-04	3.40E-08	1.03E-07	5.95E-08	7.29E-08	6.60E-08	3.01E-08	2.64E-08	0.00E+00	0.00E+00	1.09E-08	2.47E-09	1.57E-08	2.42E-09	2.05E-09	3.36E-08
5399	482273.34	3852632.31	9.99E-05	1.22E-04	1.07E-04	3.46E-08	1.04E-07	6.05E-08	7.40E-08	6.71E-08	3.06E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.46E-09	2.08E-09	3.41E-08
5400	482665.46	3853038.72	1.33E-04	1.63E-04	1.43E-04	4.62E-08	1.39E-07	8.07E-08	9.88E-08	8.96E-08	4.09E-08	3.59E-08	0.00E+00	0.00E+00	1.48E-08	3.35E-09	2.13E-08	3.28E-09	2.78E-09	4.55E-08
5401	483077.95	3853844.31	1.40E-03	1.71E-03	1.51E-03	4.83E-07	1.46E-06	8.45E-07	1.04E-06	9.39E-07	4.28E-07	3.77E-07	0.00E+00	0.00E+00	1.55E-07	3.51E-08	2.23E-07	3.44E-08	2.92E-08	4.77E-07
5402	483121.38	3853909.38	1.32E-03	1.62E-03	1.42E-03	4.57E-07	1.38E-06	7.98E-07	9.78E-07	8.87E-07	4.05E-07	3.56E-07	0.00E+00	0.00E+00	1.47E-07	3.32E-08	2.11E-07	3.25E-08	2.76E-08	4.51E-07
5403	483492.64	3853911.49	6.71E-04	8.22E-04	7.23E-04	2.32E-07	7.01E-07	4.06E-07	4.97E-07	4.51E-07	2.06E-07	1.81E-07	0.00E+00	0.00E+00	7.46E-08	1.69E-08	1.07E-07	1.65E-08	1.40E-08	2.29E-07
5404	483498.29	3854204.73	9.22E-04	1.13E-03	9.93E-04	3.19E-07	9.63E-07	5.58E-07	6.83E-07	6.19E-07	2.83E-07	2.49E-07	0.00E+00	0.00E+00	1.03E-07	2.32E-08	1.47E-07	2.27E-08	1.92E-08	3.15E-07
5405	484132.44	3854662.55	1.89E-03	2.31E-03	2.03E-03	6.53E-07	1.97E-06	1.14E-06	1.40E-06	1.27E-06	5.78E-07	5.08E-07	0.00E+00	0.00E+00	2.10E-07	4.75E-08	3.01E-07	4.64E-08	3.94E-08	6.44E-07
5406	484627.62	3854876.13	7.16E-03	8.78E-03	7.68E-03	2.48E-06	7.49E-06	4.33E-06	5.31E-06	4.81E-06	2.20E-06	1.92E-06	0.00E+00	0.00E+00	7.97E-07	1.80E-07	1.14E-06	1.76E-07	1.49E-07	2.45E-06
5407	484756.14	3854949.04	6.86E-03	8.41E-03	7.33E-03	2.37E-06	7.17E-06	4.15E-06	5.09E-06	4.61E-06	2.10E-06	1.84E-06	0.00E+00	0.00E+00	7.64E-07	1.73E-07	1.10E-06	1.69E-07	1.42E-07	2.34E-06
5408	486697.51	3856599.17	6.58E-03	8.06E-03	7.11E-03	2.28E-06	6.88E-06	3.98E-06	4.88E-06	4.42E-06	2.02E-06	1.78E-06	0.00E+00	0.00E+00	7.33E-07	1.66E-07	1.05E-06	1.62E-07	1.38E-07	2.25E-06
5409	487105.31	3856962.27	6.22E-03	7.61E-03	6.70E-03	2.15E-06	6.50E-06	3.76E-06	4.61E-06	4.18E-06	1.91E-06	1.68E-06	0.00E+00	0.00E+00	6.92E-07	1.56E-07	9.92E-07	1.53E-07	1.30E-07	2.12E-06
5410	487157.57	3856901.7	4.73E-03	5.79E-03	5.10E-03	1.64E-06	4.94E-06	2.86E-06	3.51E-06	3.18E-06	1.45E-06	1.28E-06	0.00E+00	0.00E+00	5.27E-07	1.19E-07	7.55E-07	1.16E-07	9.88E-08	1.62E-06
5411	487173.5	3856853.74	4.18E-03	5.12E-03	4.51E-03	1.45E-06	4.37E-06	2.53E-06	3.10E-06	2.81E-06	1.28E-06	1.13E-06	0.00E+00	0.00E+00	4.66E-07	1.05E-07	6.68E-07	1.03E-07	8.74E-08	1.43E-06
5412	487564.41	3856860.83	2.50E-03	3.07E-03	2.69E-03	8.66E-07	2.62E-06	1.51E-06	1.85E-06	1.68E-06	7.67E-07	6.74E-07	0.00E+00	0.00E+00	2.79E-07	6.30E-08	4.00E-07	6.16E-08	5.22E-08	8.55E-07
5413	487563.31	3856931.58	2.57E-03	3.15E-03	2.76E-03	8.91E-07	2.69E-06	1.56E-06	1.91E-06	1.73E-06	7.89E-07	6.92E-07	0.00E+00	0.00E+00	2.86E-07	6.47E-08	4.11E-07	6.33E-08	5.36E-08	8.79E-07
5414	487782.7	3856926.85	2.11E-03	2.58E-03	2.26E-03	7.29E-07	2.20E-06	1.27E-06	1.56E-06	1.41E-06	6.46E-07	5.65E-07	0.00E+00	0.00E+00	2.34E-07	5.30E-08	3.36E-07	5.18E-08	4.38E-08	7.19E-07
5415	487782.39	3856757.07	1.98E-03	2.42E-03	2.13E-03	6.84E-07	2.07E-06	1.20E-06	1.46E-06	1.33E-06	6.06E-07	5.32E-07	0.00E+00	0.00E+00	2.20E-07	4.97E-08	3.16E-07	4.87E-08	4.12E-08	6.75E-07
5416	487917.26	3856752.41	1.79E-03	2.20E-03	1.93E-03	6.21E-07	1.87E-06	1.08E-06	1.33E-06	1.20E-06	5.50E-07	4.83E-07	0.00E+00	0.00E+00	2.00E-07	4.51E-08	2.86E-07	4.41E-08	3.74E-08	6.12E-07
5417	487919.57	3856953.35	1.91E-03	2.34E-03	2.05E-03	6.62E-07	2.00E-06	1.16E-06	1.42E-06	1.28E-06	5.86E-07	5.13E-07	0.00E+00	0.00E+00	2.13E-07	4.81E-08	3.05E-07	4.71E-08	3.97E-08	6.53E-07
5418	487932.76	3857000.32	1.93E-03	2.36E-03	2.06E-03	6.67E-07	2.01E-06	1.17E-06	1.43E-06	1.29E-06	5.90E-07	5.15E-07	0.00E+00	0.00E+00	2.14E-07	4.84E-08	3.07E-07	4.74E-08	3.99E-08	6.58E-07
5419	487960.5	3857044.75	1.92E-03	2.35E-03	2.05E-03	6.64E-07	2.01E-06	1.16E-06	1.42E-06	1.29E-06	5.88E-07	5.12E-07	0.00E+00	0.00E+00	2.14E-07	4.83E-08	3.06E-07	4.72E-08	3.97E-08	6.55E-07
5420	488016.54	3857089.54	1.88E-03	2.30E-03	2.00E-03	6.49E-07	1.96E-06	1.14E-06	1.39E-06	1.26E-06	5.75E-07	5.00E-07	0.00E+00	0.00E+00	2.09E-07	4.72E-08	2.99E-07	4.62E-08	3.87E-08	6.40E-07
5421	488114.39	3857165.47	1.80E-03	2.20E-03	1.91E-03	6.23E-07	1.88E-06	1.09E-06	1.33E-06	1.21E-06	5.51E-07	4.79E-07	0.00E+00	0.00E+00	2.00E-07	4.52E-08	2.87E-07	4.43E-08	3.71E-08	6.14E-07
5422	488171.49	3857234.24	1.76E-03	2.16E-03	1.87E-03	6.10E-07	1.84E-06	1.07E-06	1.31E-06	1.18E-06	5.40E-07	4.69E-07	0.00E+00	0.00E+00	1.96E-07	4.43E-08	2.81E-07	4.34E-08	3.63E-08	6.01E-07
5423	488193.16	3857297.8	1.76E-03	2.15E-03	1.87E-03	6.09E-07	1.84E-06	1.06E-06	1.30E-06	1.18E-06	5.39E-07	4.68E-07	0.00E+00	0.00E+00	1.96E-07	4.42E-08	2.81E-07	4.33E-08	3.62E-08	6.00E-07
5424	488189.27	3857649.94	1.91E-03	2.33E-03	2.04E-03	6.60E-07	1.99E-06	1.15E-06	1.41E-06	1.28E-06	5.84E-07	5.11E-07	0.00E+00	0.00E+00	2.12E-07	4.79E-08	3.04E-07	4.69E-08	3.95E-08	6.51E-07
5425	488127.43	3857732.32	2.07E-03	2.53E-03	2.22E-03	7.16E-07	2.16E-06	1.25E-06	1.53E-06	1.39E-06	6.33E-07	5.55E-07	0.00E+00	0.00E+00	2.30E-07	5.20E-08	3.30E-07	5.09E-08	4.30E-08	7.06E-07
5426	488149.93	3857752.94	1.99E-03	2.44E-03	2.14E-03	6.89E-07	2.08E-06	1.21E-06	1.48E-06	1.34E-06	6.10E-07	5.35E-07	0.00E+00	0.00E+00	2.22E-07	5.01E-08	3.18E-07	4.90E-08	4.14E-08	6.80E-07
5427	488144.76	3857758.71	2.00E-03	2.45E-03	2.15E-03	6.93E-07	2.09E-06	1.21E-06	1.48E-06	1.34E-06	6.13E-07	5.37E-07	0.00E+00	0.00E+00	2.23E-07	5.03E-08	3.19E-07	4.93E-08	4.16E-08	6.83E-07
5428	488335.58	3857932.55	1.41E-03	1.72E-03	1.51E-03	4.87E-07	1.47E-06	8.52E-07	1.04E-06	9.46E-07	4.31E-07	3.78E-07	0.00E+00	0.00E+00	1.57E-07	3.54E-08	2.25E-07	3.46E-08	2.93E-08	4.81E-07
5429	488372.29	3857943.79	1.36E-03	1.66E-03	1.46E-03	4.69E-07	1.42E-06	8.20E-07	1.00E-06	9.10E-07	4.15E-07	3.64E-07	0.00E+00	0.00E+00	1.51E-07	3.41E-08	2.16E-07	3.34E-08	2.82E-08	4.63E-07
5430	488828.64	3857936.4	1.01E-03	1.24E-03	1.08E-03	3.50E-07	1.06E-06	6.11E-07	7.48E-07	6.78E-07	3.09E-07	2.71E-07	0.00E+00	0.00E+00	1.12E-07	2.54E-08	1.61E-07	2.49E-08	2.10E-08	3.45E-07
5431	488829.08	3857959.58	1.00E-03	1.23E-03	1.07E-03	3.46E-07	1.05E-06	6.06E-07	7.41E-07	6.72E-07	3.07E-07	2.69E-07	0.00E+00	0.00E+00	1.11E-07	2.52E-08	1.60E-07	2.46E-08	2.08E-08	3.42E-07
5432	488351.61	3857964.55	1.36E-03	1.67E-03	1.46E-03	4.72E-07	1.42E-06	8.24E-07	1.01E-06	9.15E-07	4.17E-07	3.66E-07	0.00E+00	0.00E+00	1.52E-07	3.43E-08	2.17E-07	3.35E-08	2.84E-08	4.65E-07
5433	488316.87	3857947.65	1.42E-03	1.73E-03	1.52E-03	4.91E-07	1.48E-06	8.57E-07	1.05E-06	9.51E-07	4.34E-07	3.81E-07	0.00E+00	0.00E+00	1.58E-07	3.56E-08	2.26E-07	3.49E-08	2.95E-08	4.84E-07
5434	488129.1	3857775.77	2.03E-03	2.49E-03	2.18E-03	7.03E-07	2.12E-06	1.23E-06	1.50E-06	1.36E-06	6.22E-07	5.45E-07	0.00E+00	0.00E+00	2.26E-07	5.10E-08	3.24E-07	4.99E-08	4.22E-08	6.93E-07
5435	488062.53	3857846.13	2.09E-03	2.56E-03	2.25E-03	7.25E-07	2.19E-06	1.27E-06	1.55E-06	1.41E-06	6.42E-07	5.63E-07	0.00E+00	0.00E+00	2.33E-07	5.27E-08	3.34E-07	5.15E-08	4.36E-08	7.15E-07
5436	488330.41	3858091.34	1.34E-03	1.64E-03	1.44E-03	4.64E-07	1.40E-06	8.12E-07	9.94E-07	9.01E-07	4.11E-07	3.61E-07	0.00E+00	0.00E+00	1.49E-07	3.37E-08	2.14E-07	3.30E-08	2.80E-08	4.58E-07
5437	488470.87	3858174.45	1.23E-03	1.50E-03	1.32E-03	4.25E-07	1.28E-06	7.43E-07	9.10E-07	8.25E-07	3.76E-07	3.31E-07	0.00E+00	0.00E+00	1.37E-07	3.09E-08	1.96E-07	3.02E-08	2.56E-08	4.19E-07
5438	488568.9	3858262.31	1.21E-03	1.48E-03	1.30E-03	4.18E-07	1.26E-06	7.31E-07	8.95E-07	8.12E-07	3.70E-07	3.26E-07	0.00E+00	0.00E+00	1.34E-07	3.04E-08	1.93E-07	2.97E-08	2.52E-08	4.13E-07
5439	488964.27	3858025.71	9.15E-04	1.12E-03	9.82E-04	3.17E-07	9.56E-07	5.54E-07	6.78E-07	6.14E-07	2.80E-07	2.46E-07	0.00E+00	0.00E+00	1.02E-07	2.30E-08	1.46E-07	2.25E-08	1.90E-08	3.12E-07
5440	489147.25	3857956.64	8.63E-04	1.06E-03	9.26E-04	2.99E-07	9.02E-07	5.22E-07	6.40E-07	5.80E-07	2.65E-07	2.32E-07	0.00E+00	0.00E+00	9.61E-08	2.17E-08	1.38E-07	2.12E-08	1.79E-08	2.95E-07
5441	489343.52	3857932.45	8.04E-04	9.85E-04	8.63E-04	2.78E-07	8.41E-07	4.87E-07	5.96E-07	5.40E-07	2.47E-07	2.16E-07	0.00E+00	0.00E+00	8.96E-08	2.02E-08	1.28E-07	1.98E-08	1.67E-08	2.75E-07
5442	489866.19	3857923.19	6.67E-04	8.17E-04	7.15E-04	2.31E-07	6.97E-07	4.04E-07	4.94E-07	4.48E-07	2.04E-07	1.79E-07	0.00E+00	0.00E+00	7.43E-08	1.68E-08	1.06E-07	1.64E-08	1.39E-08	2.28E-07
5443	489955.65	3857902.27	6.51E-04	7.97E-04	6.98E-04	2.25E-07	6.81E-07	3.94E-07	4.82E-07	4.37E-07	2.00E-07	1.75E-07	0.00E+00	0.00E+00	7.25E-08	1.64E-08	1.04E-07	1.60E-08	1.35E-08	2.22E-07
5444	490079.44	3857847.9	6.35E-04	7.77E-04	6.80E-04	2.20E-07	6.63E-07	3.84E-07	4.70E-07	4.26E-07	1.94E-07	1.70E-07	0.00E+00	0.00E+00	7.06E-08	1.60E-08	1.01E-07	1.56E-08	1.32E-08	2.17E-07
5445	490108.49	3857934.13	6.14E-04	7.52E-04	6.59E-04	2.13E-07	6.42E-07	3.72E-07	4.55E-07	4.13E-07	1.88E-07	1.65E-07	0.00E+00	0.00E+00	6.84E-08	1.54E-08	9.80E-08	1.51E-08	1.28E-08	2.10E-07

5446	489884.48	3858014.17	6.46E-04	7.91E-04	6.93E-04	2.24E-07	6.75E-07	3.91E-07	4.79E-07	4.34E-07	1.98E-07	1.73E-07	0.00E+00	0.00E+00	7.19E-08	1.63E-08	1.03E-07	1.59E-08	1.34E-08	2.21E-07
5447	489326.56	3858025.86	7.85E-04	9.62E-04	8.43E-04	2.72E-07	8.21E-07	4.75E-07	5.82E-07	5.28E-07	2.41E-07	2.11E-07	0.00E+00	0.00E+00	8.74E-08	1.98E-08	1.25E-07	1.93E-08	1.63E-08	2.68E-07
5448	489130.38	3858056.71	8.43E-04	1.03E-03	9.04E-04	2.92E-07	8.81E-07	5.10E-07	6.24E-07	5.66E-07	2.58E-07	2.26E-07	0.00E+00	0.00E+00	9.38E-08	2.12E-08	1.34E-07	2.07E-08	1.75E-08	2.88E-07
5449	488936.49	3858143.93	9.06E-04	1.11E-03	9.73E-04	3.14E-07	9.47E-07	5.48E-07	6.71E-07	6.09E-07	2.78E-07	2.44E-07	0.00E+00	0.00E+00	1.01E-07	2.28E-08	1.45E-07	2.23E-08	1.89E-08	3.09E-07
5450	488638.08	3858327.45	1.19E-03	1.46E-03	1.29E-03	4.14E-07	1.25E-06	7.23E-07	8.86E-07	8.03E-07	3.66E-07	3.22E-07	0.00E+00	0.00E+00	1.33E-07	3.01E-08	1.91E-07	2.94E-08	2.49E-08	4.08E-07
5451	488663.79	3858349.57	1.19E-03	1.46E-03	1.28E-03	4.11E-07	1.24E-06	7.19E-07	8.81E-07	7.99E-07	3.64E-07	3.20E-07	0.00E+00	0.00E+00	1.32E-07	2.99E-08	1.90E-07	2.93E-08	2.48E-08	4.06E-07
5452	488694.56	3858349.5	1.15E-03	1.41E-03	1.24E-03	3.98E-07	1.20E-06	6.96E-07	8.52E-07	7.73E-07	3.53E-07	3.10E-07	0.00E+00	0.00E+00	1.28E-07	2.89E-08	1.84E-07	2.83E-08	2.40E-08	3.93E-07
5453	488694.35	3858336.75	1.14E-03	1.39E-03	1.22E-03	3.93E-07	1.19E-06	6.88E-07	8.42E-07	7.64E-07	3.48E-07	3.06E-07	0.00E+00	0.00E+00	1.27E-07	2.86E-08	1.81E-07	2.80E-08	2.37E-08	3.88E-07
5454	488712.81	3858336.38	1.12E-03	1.37E-03	1.20E-03	3.86E-07	1.17E-06	6.75E-07	8.27E-07	7.50E-07	3.42E-07	3.01E-07	0.00E+00	0.00E+00	1.24E-07	2.81E-08	1.78E-07	2.75E-08	2.33E-08	3.81E-07
5455	488713.23	3858367.46	1.15E-03	1.41E-03	1.24E-03	3.97E-07	1.20E-06	6.94E-07	8.51E-07	7.71E-07	3.52E-07	3.09E-07	0.00E+00	0.00E+00	1.28E-07	2.89E-08	1.83E-07	2.83E-08	2.40E-08	3.92E-07
5456	488704.63	3858384.05	1.18E-03	1.44E-03	1.27E-03	4.08E-07	1.23E-06	7.14E-07	8.74E-07	7.92E-07	3.62E-07	3.18E-07	0.00E+00	0.00E+00	1.31E-07	2.97E-08	1.88E-07	2.90E-08	2.46E-08	4.03E-07
5457	488604.15	3858488.29	1.67E-03	2.05E-03	1.80E-03	5.78E-07	1.74E-06	1.01E-06	1.24E-06	1.12E-06	5.12E-07	4.51E-07	0.00E+00	0.00E+00	1.86E-07	4.20E-08	2.67E-07	4.11E-08	3.49E-08	5.70E-07
5458	488605.66	3858550.47	2.04E-03	2.50E-03	2.20E-03	7.06E-07	2.13E-06	1.23E-06	1.51E-06	1.37E-06	6.25E-07	5.51E-07	0.00E+00	0.00E+00	2.27E-07	5.13E-08	3.26E-07	5.02E-08	4.26E-08	6.97E-07
5459	488692.68	3858548.71	1.62E-03	1.98E-03	1.75E-03	5.61E-07	1.69E-06	9.80E-07	1.20E-06	1.09E-06	4.97E-07	4.37E-07	0.00E+00	0.00E+00	1.80E-07	4.08E-08	2.59E-07	3.99E-08	3.39E-08	5.53E-07
5460	488759.93	3858461.81	1.22E-03	1.49E-03	1.31E-03	4.21E-07	1.27E-06	7.36E-07	9.01E-07	8.17E-07	3.73E-07	3.28E-07	0.00E+00	0.00E+00	1.35E-07	3.06E-08	1.94E-07	2.99E-08	2.54E-08	4.15E-07
5461	488816.57	3858541.79	1.27E-03	1.56E-03	1.37E-03	4.40E-07	1.33E-06	7.69E-07	9.42E-07	8.54E-07	3.90E-07	3.43E-07	0.00E+00	0.00E+00	1.41E-07	3.20E-08	2.03E-07	3.13E-08	2.65E-08	4.34E-07
5462	488944.63	3858656.77	1.27E-03	1.55E-03	1.36E-03	4.38E-07	1.32E-06	7.66E-07	9.38E-07	8.50E-07	3.88E-07	3.42E-07	0.00E+00	0.00E+00	1.41E-07	3.18E-08	2.02E-07	3.12E-08	2.64E-08	4.32E-07
5463	489134.91	3858830.7	1.01E-03	1.24E-03	1.09E-03	3.50E-07	1.06E-06	6.11E-07	7.49E-07	6.79E-07	3.10E-07	2.73E-07	0.00E+00	0.00E+00	1.12E-07	2.54E-08	1.61E-07	2.49E-08	2.11E-08	3.45E-07
5464	489193.99	3858886.05	7.89E-04	9.66E-04	8.50E-04	2.73E-07	8.24E-07	4.77E-07	5.85E-07	5.30E-07	2.42E-07	2.13E-07	0.00E+00	0.00E+00	8.78E-08	1.98E-08	1.26E-07	1.94E-08	1.65E-08	2.69E-07
5465	489295.2	3858954.34	5.73E-04	7.01E-04	6.17E-04	1.98E-07	5.98E-07	3.46E-07	4.24E-07	3.85E-07	1.76E-07	1.54E-07	0.00E+00	0.00E+00	6.37E-08	1.44E-08	9.14E-08	1.41E-08	1.20E-08	1.96E-07
5466	489295.64	3858992.74	5.14E-04	6.29E-04	5.53E-04	1.78E-07	5.37E-07	3.11E-07	3.81E-07	3.45E-07	1.57E-07	1.38E-07	0.00E+00	0.00E+00	5.72E-08	1.29E-08	8.20E-08	1.26E-08	1.07E-08	1.75E-07
5467	489183.74	3858911.72	7.40E-04	9.06E-04	7.97E-04	2.56E-07	7.73E-07	4.47E-07	5.48E-07	4.97E-07	2.27E-07	2.00E-07	0.00E+00	0.00E+00	8.23E-08	1.86E-08	1.18E-07	1.82E-08	1.54E-08	2.53E-07
5468	488873.37	3858625.59	1.35E-03	1.65E-03	1.46E-03	4.67E-07	1.41E-06	8.17E-07	1.00E-06	9.07E-07	4.14E-07	3.64E-07	0.00E+00	0.00E+00	1.50E-07	3.40E-08	2.16E-07	3.32E-08	2.82E-08	4.61E-07
5469	488842.84	3858658.69	1.55E-03	1.90E-03	1.68E-03	5.38E-07	1.62E-06	9.40E-07	1.15E-06	1.04E-06	4.77E-07	4.20E-07	0.00E+00	0.00E+00	1.73E-07	3.91E-08	2.48E-07	3.83E-08	3.25E-08	5.31E-07
5470	488856.39	3858670.93	1.56E-03	1.91E-03	1.68E-03	5.38E-07	1.63E-06	9.41E-07	1.15E-06	1.05E-06	4.77E-07	4.20E-07	0.00E+00	0.00E+00	1.73E-07	3.91E-08	2.48E-07	3.83E-08	3.25E-08	5.31E-07
5471	488805.7	3858724.5	2.18E-03	2.67E-03	2.35E-03	7.55E-07	2.28E-06	1.32E-06	1.62E-06	1.47E-06	6.69E-07	5.89E-07	0.00E+00	0.00E+00	2.43E-07	5.49E-08	3.48E-07	5.37E-08	4.56E-08	7.45E-07
5472	488805.87	3858804.16	3.62E-03	4.44E-03	3.91E-03	1.25E-06	3.78E-06	2.19E-06	2.68E-06	2.43E-06	1.11E-06	9.79E-07	0.00E+00	0.00E+00	4.03E-07	9.11E-08	5.78E-07	8.92E-08	7.58E-08	1.24E-06
5473	488995.78	3858936.96	8.47E-04	1.04E-03	9.13E-04	2.93E-07	8.85E-07	5.12E-07	6.28E-07	5.69E-07	2.60E-07	2.28E-07	0.00E+00	0.00E+00	9.42E-08	2.13E-08	1.35E-07	2.08E-08	1.77E-08	2.89E-07
5474	489130.76	3859017.38	5.06E-04	6.19E-04	5.44E-04	1.75E-07	5.28E-07	3.06E-07	3.75E-07	3.40E-07	1.55E-07	1.36E-07	0.00E+00	0.00E+00	5.63E-08	1.27E-08	8.07E-08	1.24E-08	1.06E-08	1.73E-07
5475	489130.92	3859052.24	4.43E-04	5.43E-04	4.77E-04	1.53E-07	4.63E-07	2.68E-07	3.29E-07	2.98E-07	1.36E-07	1.19E-07	0.00E+00	0.00E+00	4.93E-08	1.12E-08	7.08E-08	1.09E-08	9.25E-09	1.51E-07
5476	489200.33	3859090.6	3.94E-04	4.83E-04	4.24E-04	1.36E-07	4.12E-07	2.38E-07	2.92E-07	2.65E-07	1.21E-07	1.06E-07	0.00E+00	0.00E+00	4.39E-08	9.91E-09	6.29E-08	9.70E-09	8.22E-09	1.35E-07
5477	489296.07	3859143.7	3.45E-04	4.23E-04	3.72E-04	1.20E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.30E-08	0.00E+00	0.00E+00	3.85E-08	8.69E-09	5.51E-08	8.50E-09	7.20E-09	1.18E-07
5478	489296.43	3858954.74	5.71E-04	7.00E-04	6.15E-04	1.98E-07	5.97E-07	3.46E-07	4.23E-07	3.84E-07	1.75E-07	1.54E-07	0.00E+00	0.00E+00	6.36E-08	1.44E-08	9.12E-08	1.41E-08	1.19E-08	1.95E-07
5479	489410.33	3859033.19	4.38E-04	5.36E-04	4.71E-04	1.52E-07	4.58E-07	2.65E-07	3.25E-07	2.94E-07	1.34E-07	1.18E-07	0.00E+00	0.00E+00	4.87E-08	1.10E-08	6.99E-08	1.08E-08	9.13E-09	1.50E-07
5480	489371.37	3859089.8	3.89E-04	4.77E-04	4.19E-04	1.35E-07	4.07E-07	2.36E-07	2.89E-07	2.62E-07	1.19E-07	1.05E-07	0.00E+00	0.00E+00	4.33E-08	9.80E-09	6.22E-08	9.59E-09	8.12E-09	1.33E-07
5481	489390.52	3859102.82	3.77E-04	4.62E-04	4.06E-04	1.30E-07	3.94E-07	2.28E-07	2.79E-07	2.53E-07	1.16E-07	1.01E-07	0.00E+00	0.00E+00	4.19E-08	9.48E-09	6.02E-08	9.28E-09	7.86E-09	1.29E-07
5482	489382.3	3859114.53	3.68E-04	4.50E-04	3.96E-04	1.27E-07	3.84E-07	2.22E-07	2.73E-07	2.47E-07	1.13E-07	9.90E-08	0.00E+00	0.00E+00	4.09E-08	9.25E-09	5.87E-08	9.05E-09	7.67E-09	1.26E-07
5483	489363.04	3859102.45	3.79E-04	4.64E-04	4.08E-04	1.31E-07	3.96E-07	2.29E-07	2.81E-07	2.55E-07	1.16E-07	1.02E-07	0.00E+00	0.00E+00	4.22E-08	9.53E-09	6.05E-08	9.33E-09	7.90E-09	1.29E-07
5484	489337.52	3859140.71	3.48E-04	4.26E-04	3.74E-04	1.20E-07	3.64E-07	2.10E-07	2.58E-07	2.34E-07	1.07E-07	9.36E-08	0.00E+00	0.00E+00	3.87E-08	8.75E-09	5.55E-08	8.56E-09	7.25E-09	1.19E-07
5485	489375.14	3859164.55	3.30E-04	4.05E-04	3.55E-04	1.14E-07	3.45E-07	2.00E-07	2.45E-07	2.22E-07	1.01E-07	8.90E-08	0.00E+00	0.00E+00	3.68E-08	8.31E-09	5.28E-08	8.14E-09	6.89E-09	1.13E-07
5486	489409.3	3859114.5	3.66E-04	4.49E-04	3.94E-04	1.27E-07	3.83E-07	2.22E-07	2.71E-07	2.46E-07	1.12E-07	9.86E-08	0.00E+00	0.00E+00	4.08E-08	9.22E-09	5.85E-08	9.02E-09	7.64E-09	1.25E-07
5487	489434.87	3859131.81	3.52E-04	4.31E-04	3.79E-04	1.22E-07	3.68E-07	2.13E-07	2.61E-07	2.37E-07	1.08E-07	9.48E-08	0.00E+00	0.00E+00	3.92E-08	8.86E-09	5.62E-08	8.67E-09	7.34E-09	1.20E-07
5488	489471.87	3859075.75	3.91E-04	4.79E-04	4.21E-04	1.35E-07	4.09E-07	2.37E-07	2.90E-07	2.63E-07	1.20E-07	1.05E-07	0.00E+00	0.00E+00	4.35E-08	9.84E-09	6.24E-08	9.63E-09	8.16E-09	1.34E-07
5489	489602.62	3859164.69	3.24E-04	3.96E-04	3.48E-04	1.12E-07	3.38E-07	1.96E-07	2.40E-07	2.17E-07	9.92E-08	8.71E-08	0.00E+00	0.00E+00	3.60E-08	8.14E-09	5.16E-08	7.96E-09	6.74E-09	1.11E-07
5490	489558.29	3859232.45	2.91E-04	3.57E-04	3.13E-04	1.01E-07	3.04E-07	1.76E-07	2.16E-07	1.96E-07	8.92E-08	7.84E-08	0.00E+00	0.00E+00	3.24E-08	7.32E-09	4.65E-08	7.17E-09	6.07E-09	9.94E-08
5491	489620.11	3859273.56	2.73E-04	3.34E-04	2.93E-04	9.44E-08	2.85E-07	1.65E-07	2.02E-07	1.83E-07	8.36E-08	7.34E-08	0.00E+00	0.00E+00	3.03E-08	6.86E-09	4.35E-08	6.71E-09	5.68E-09	9.31E-08
5492	489666.06	3859206.42	3.00E-04	3.68E-04	3.23E-04	1.04E-07	3.14E-07	1.82E-07	2.23E-07	2.02E-07	9.21E-08	8.08E-08	0.00E+00	0.00E+00	3.34E-08	7.56E-09	4.79E-08	7.39E-09	6.26E-09	1.03E-07
5493	489787.9	3859285.65	2.66E-04	3.25E-04	2.86E-04	9.19E-08	2.78E-07	1.61E-07	1.97E-07	1.78E-07	8.14E-08	7.15E-08	0.00E+00	0.00E+00	2.96E-08	6.68E-09	4.24E-08	6.54E-09	5.53E-09	9.07E-08
5494	489752.17	3859343.13	2.47E-04	3.02E-04	2.65E-04	8.55E-08	2.58E-07	1.49E-07	1.83E-07	1.66E-07	7.57E-08	6.64E-08	0.00E+00	0.00E+00	2.75E-08	6.21E-09	3.94E-08	6.08E-09	5.14E-09	8.43E-08
5495	489814.94	3859385.33	2.34E-04	2.87E-04	2.52E-04	8.10E-08	2.45E-07	1.42E-07	1.73E-07	1.57E-07	7.17E-08	6.30E-08	0.00E+00	0.00E+00	2.60E-08	5.89E-09	3.74E-08	5.76E-09	4.87E-09	7.99E-08
5496	489853.42	3859330.74	2.50E-04	3.06E-04	2.68E-04	8.64E-08	2.61E-07	1.51E-07	1.85E-07	1.68E-07	7.65E-08	6.72E-08	0.00E+00	0.00E+00	2.78E-08	6.28E-09	3.99E-08	6.15E-09	5.20E-09	8.53E-08
5497	489969.5	3859401.91	2.28E-04	2.80E-04	2.46E-04	7.91E-08	2.39E-07	1.38E-07	1.69E-07	1.53E-07	7.00E-08	6.15E-08	0.00E+00	0.00E+00	2.54E-08	5.75E-09	3.65E-08	5.62E-09	4.76E-09	7.80E-08
5498	490166.91	3859486.96	2.07E-04	2.53E-04	2.22E-04	7.16E-08	2.16E-07	1.25E-07	1.53E-07	1.39E-07	6.34E-08	5.57E-08	0.00E+00	0.00E+00	2.30E-08	5.21E-09	3.30E-08	5.09E-09	4.31E-09	7.07E-08
5499	490128.86	3859571.46	1.90E-04	2.33E-04	2.05E-04	6.59E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.84E-08	5.12E-08	0.00E+00	0.00E+00	2.12E-08	4.79E-09	3.04E-08	4.69E-09	3.97E-09	6.51E-08
5500	490186.65	3859593.65	1.86E-04	2.28E-04	2.00E-04	6.45E-08	1.95E-07	1.13E-07	1.38E-07	1.25E-07	5.72E-08	5.01E-08	0.00E+00	0.00E+00	2.08E-08	4.69E-09	2.98E-08	4.59E-09	3.88E-09	6.37E-08
5501	490223.74	3859517.48	2.01E-04	2.46E-04	2.15E-04	6.94E-08	2.10E-07	1.21E-07	1.49E-07	1.35E-07	6.15E-08	5.39E-08	0.00E+00	0.00E+00	2.23E-08	5.04E-09	3.20E-08	4.94E-09	4.18E-09	6.85E-08
5502	490846.34	3859817.22	1.56E-04	1.91E-04	1.67E-04	5.39E-08	1.63E-07	9.42E-08	1.15E-07	1.05E-07	4.77E-08	4.19E-08	0.00E+00	0.00E+00	1.73E-08	3.92E-09	2.49E-08	3.83E-09	3.24E-09	5.32E-08
5503	490925.65	3859844.59	1.53E-04	1.87E-04	1.64E-04	5.29E-08	1.60E-07	9.25E-08	1.13E-07	1.03E-07	4.69E-08	4.11E-08	0.00E+00	0.00E+00	1.70E-08	3.85E-09	2.44E-08	3.76E-09	3.18E-09	5.22E-08

5504	491159.29	3859896.28	1.46E-04	1.79E-04	1.57E-04	5.07E-08	1.53E-07	8.86E-08	1.09E-07	9.84E-08	4.49E-08	3.94E-08	0.00E+00	0.00E+00	1.63E-08	3.68E-09	2.34E-08	3.60E-09	3.05E-09	5.00E-08
5505	491370.69	3859960.89	1.39E-04	1.70E-04	1.49E-04	4.81E-08	1.45E-07	8.41E-08	1.03E-07	9.34E-08	4.26E-08	3.74E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.42E-09	2.89E-09	4.75E-08
5506	491330.28	3860063.17	1.29E-04	1.57E-04	1.38E-04	4.45E-08	1.34E-07	7.78E-08	9.53E-08	8.64E-08	3.94E-08	3.46E-08	0.00E+00	0.00E+00	1.43E-08	3.23E-09	2.05E-08	3.16E-09	2.68E-09	4.39E-08
5507	491636.45	3860180.75	1.20E-04	1.47E-04	1.29E-04	4.15E-08	1.25E-07	7.26E-08	8.89E-08	8.06E-08	3.68E-08	3.22E-08	0.00E+00	0.00E+00	1.34E-08	3.02E-09	1.91E-08	2.95E-09	2.50E-09	4.10E-08
5508	491617.94	3860203.93	1.18E-04	1.44E-04	1.27E-04	4.08E-08	1.23E-07	7.14E-08	8.74E-08	7.93E-08	3.62E-08	3.17E-08	0.00E+00	0.00E+00	1.31E-08	2.97E-09	1.88E-08	2.90E-09	2.46E-09	4.03E-08
5509	491805.68	3860271.59	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.41E-08	7.63E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.86E-09	1.81E-08	2.79E-09	2.36E-09	3.88E-08
5510	491654.23	3860414.02	1.04E-04	1.27E-04	1.12E-04	3.59E-08	1.09E-07	6.28E-08	7.69E-08	6.97E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.16E-08	2.61E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
5511	491592.62	3860510.76	9.75E-05	1.19E-04	1.05E-04	3.38E-08	1.02E-07	5.90E-08	7.23E-08	6.55E-08	2.99E-08	2.62E-08	0.00E+00	0.00E+00	1.09E-08	2.45E-09	1.56E-08	2.40E-09	2.03E-09	3.33E-08
5512	491475.41	3860368.93	1.05E-04	1.29E-04	1.13E-04	3.64E-08	1.10E-07	6.36E-08	7.78E-08	7.06E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.68E-08	2.59E-09	2.19E-09	3.59E-08
5513	491445.61	3860337.28	1.07E-04	1.31E-04	1.15E-04	3.70E-08	1.12E-07	6.47E-08	7.92E-08	7.18E-08	3.28E-08	2.87E-08	0.00E+00	0.00E+00	1.19E-08	2.69E-09	1.71E-08	2.63E-09	2.23E-09	3.65E-08
5514	491399.05	3860300.37	1.09E-04	1.34E-04	1.18E-04	3.79E-08	1.14E-07	6.62E-08	8.11E-08	7.35E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.75E-08	2.69E-09	2.28E-09	3.74E-08
5515	491228.84	3860235.98	1.14E-04	1.39E-04	1.22E-04	3.93E-08	1.19E-07	6.87E-08	8.42E-08	7.63E-08	3.48E-08	3.05E-08	0.00E+00	0.00E+00	1.26E-08	2.86E-09	1.81E-08	2.80E-09	2.36E-09	3.88E-08
5516	491228.47	3860174.57	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.16E-08	8.77E-08	7.95E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.91E-09	2.46E-09	4.04E-08
5517	491145.77	3860112.55	1.24E-04	1.52E-04	1.33E-04	4.28E-08	1.29E-07	7.49E-08	9.17E-08	8.31E-08	3.79E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.11E-09	1.98E-08	3.05E-09	2.58E-09	4.23E-08
5518	490844.41	3859966.22	1.38E-04	1.70E-04	1.49E-04	4.79E-08	1.45E-07	8.38E-08	1.03E-07	9.30E-08	4.24E-08	3.72E-08	0.00E+00	0.00E+00	1.54E-08	3.48E-09	2.21E-08	3.41E-09	2.88E-09	4.73E-08
5519	490845.55	3859928.15	1.42E-04	1.74E-04	1.53E-04	4.93E-08	1.49E-07	8.62E-08	1.06E-07	9.57E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.58E-09	2.27E-08	3.51E-09	2.97E-09	4.87E-08
5520	490046.91	3859625.6	1.82E-04	2.23E-04	1.95E-04	6.29E-08	1.90E-07	1.10E-07	1.35E-07	1.22E-07	5.57E-08	4.89E-08	0.00E+00	0.00E+00	2.02E-08	4.57E-09	2.90E-08	4.47E-09	3.78E-09	6.21E-08
5521	489970.48	3859589.4	1.88E-04	2.31E-04	2.02E-04	6.52E-08	1.97E-07	1.14E-07	1.40E-07	1.27E-07	5.77E-08	5.06E-08	0.00E+00	0.00E+00	2.10E-08	4.74E-09	3.01E-08	4.64E-09	3.92E-09	6.43E-08
5522	489865.89	3859529.06	2.00E-04	2.45E-04	2.15E-04	6.93E-08	2.09E-07	1.21E-07	1.48E-07	1.34E-07	6.13E-08	5.38E-08	0.00E+00	0.00E+00	2.23E-08	5.03E-09	3.19E-08	4.93E-09	4.17E-09	6.83E-08
5523	489826.89	3859531.74	2.00E-04	2.45E-04	2.15E-04	6.93E-08	2.09E-07	1.21E-07	1.48E-07	1.34E-07	6.13E-08	5.38E-08	0.00E+00	0.00E+00	2.23E-08	5.03E-09	3.19E-08	4.93E-09	4.17E-09	6.83E-08
5524	489410.47	3859303.06	2.63E-04	3.22E-04	2.83E-04	9.11E-08	2.75E-07	1.59E-07	1.95E-07	1.77E-07	8.07E-08	7.08E-08	0.00E+00	0.00E+00	2.93E-08	6.62E-09	4.20E-08	6.48E-09	5.48E-09	8.99E-08
5525	489407.15	3859286.09	2.69E-04	3.30E-04	2.89E-04	9.32E-08	2.81E-07	1.63E-07	1.99E-07	1.81E-07	8.25E-08	7.24E-08	0.00E+00	0.00E+00	3.00E-08	6.77E-09	4.30E-08	6.62E-09	5.61E-09	9.19E-08
5526	488806.07	3858963.62	6.47E-04	7.93E-04	6.98E-04	2.24E-07	6.77E-07	3.92E-07	4.80E-07	4.35E-07	1.99E-07	1.75E-07	0.00E+00	0.00E+00	7.21E-08	1.63E-08	1.03E-07	1.59E-08	1.35E-08	2.21E-07
5527	488817.64	3859546.3	2.00E-04	2.45E-04	2.15E-04	6.92E-08	2.09E-07	1.21E-07	1.48E-07	1.34E-07	6.13E-08	5.38E-08	0.00E+00	0.00E+00	2.23E-08	5.03E-09	3.19E-08	4.92E-09	4.17E-09	6.83E-08
5528	489187.25	3859549.52	2.04E-04	2.50E-04	2.19E-04	7.07E-08	2.13E-07	1.23E-07	1.51E-07	1.37E-07	6.26E-08	5.49E-08	0.00E+00	0.00E+00	2.27E-08	5.13E-09	3.26E-08	5.02E-09	4.25E-09	6.97E-08
5529	489187.66	3859523.74	2.10E-04	2.57E-04	2.25E-04	7.25E-08	2.19E-07	1.27E-07	1.55E-07	1.41E-07	6.42E-08	5.64E-08	0.00E+00	0.00E+00	2.33E-08	5.27E-09	3.34E-08	5.16E-09	4.36E-09	7.16E-08
5530	489232.59	3859522.85	2.11E-04	2.58E-04	2.26E-04	7.29E-08	2.20E-07	1.27E-07	1.56E-07	1.41E-07	6.45E-08	5.66E-08	0.00E+00	0.00E+00	2.34E-08	5.30E-09	3.36E-08	5.18E-09	4.39E-09	7.19E-08
5531	489224.98	3859759.91	1.69E-04	2.07E-04	1.82E-04	5.86E-08	1.77E-07	1.02E-07	1.25E-07	1.14E-07	5.19E-08	4.55E-08	0.00E+00	0.00E+00	1.88E-08	4.26E-09	2.70E-08	4.16E-09	3.52E-09	5.78E-08
5532	488401.39	3859763.34	1.61E-04	1.97E-04	1.73E-04	5.57E-08	1.68E-07	9.74E-08	1.19E-07	1.08E-07	4.94E-08	4.33E-08	0.00E+00	0.00E+00	1.79E-08	4.05E-09	2.57E-08	3.96E-09	3.35E-09	5.50E-08
5533	488405.51	3859966.16	1.39E-04	1.71E-04	1.50E-04	4.83E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.75E-08	0.00E+00	0.00E+00	1.55E-08	3.51E-09	2.23E-08	3.43E-09	2.90E-09	4.76E-08
5534	489202.85	3859956.57	1.46E-04	1.79E-04	1.57E-04	5.06E-08	1.53E-07	8.84E-08	1.08E-07	9.81E-08	4.48E-08	3.93E-08	0.00E+00	0.00E+00	1.63E-08	3.67E-09	2.33E-08	3.60E-09	3.04E-09	4.99E-08
5535	489191.9	3860676.74	9.57E-05	1.17E-04	1.03E-04	3.31E-08	1.00E-07	5.79E-08	7.09E-08	6.43E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.07E-08	2.41E-09	1.53E-08	2.36E-09	1.99E-09	3.27E-08
5536	488392.82	3860687.88	9.41E-05	1.15E-04	1.01E-04	3.26E-08	9.84E-08	5.70E-08	6.98E-08	6.32E-08	2.89E-08	2.53E-08	0.00E+00	0.00E+00	1.05E-08	2.37E-09	1.50E-08	2.32E-09	1.96E-09	3.22E-08
5537	488392.82	3860760.27	9.16E-05	1.12E-04	9.84E-05	3.17E-08	9.58E-08	5.54E-08	6.79E-08	6.16E-08	2.81E-08	2.46E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.46E-08	2.26E-09	1.91E-09	3.13E-08
5538	487549.05	3860777.45	8.86E-05	1.09E-04	9.52E-05	3.07E-08	9.26E-08	5.36E-08	6.57E-08	5.95E-08	2.72E-08	2.38E-08	0.00E+00	0.00E+00	9.86E-09	2.23E-09	1.41E-08	2.18E-09	1.85E-09	3.03E-08
5539	487554.62	3859571.83	1.72E-04	2.11E-04	1.85E-04	5.95E-08	1.80E-07	1.04E-07	1.27E-07	1.15E-07	5.27E-08	4.62E-08	0.00E+00	0.00E+00	1.91E-08	4.32E-09	2.74E-08	4.23E-09	3.58E-09	5.87E-08
5540	485949.46	3859558.54	1.48E-04	1.81E-04	1.59E-04	5.12E-08	1.55E-07	8.96E-08	1.10E-07	9.95E-08	4.54E-08	3.98E-08	0.00E+00	0.00E+00	1.65E-08	3.72E-09	2.36E-08	3.64E-09	3.08E-09	5.06E-08
5541	485947.55	3857943.61	4.08E-04	5.00E-04	4.38E-04	1.41E-07	4.27E-07	2.47E-07	3.03E-07	2.74E-07	1.25E-07	1.10E-07	0.00E+00	0.00E+00	4.55E-08	1.03E-08	6.52E-08	1.01E-08	8.49E-09	1.39E-07
5542	484738.38	3857940.21	2.63E-04	3.22E-04	2.82E-04	9.09E-08	2.74E-07	1.59E-07	1.95E-07	1.76E-07	8.05E-08	7.06E-08	0.00E+00	0.00E+00	2.92E-08	6.60E-09	4.19E-08	6.46E-09	5.47E-09	8.97E-08
5543	484737.06	3857535.68	3.22E-04	3.95E-04	3.47E-04	1.12E-07	3.37E-07	1.95E-07	2.39E-07	2.17E-07	9.88E-08	8.67E-08	0.00E+00	0.00E+00	3.59E-08	8.11E-09	5.14E-08	7.93E-09	6.72E-09	1.10E-07
5544	483730.2	3857530.13	2.31E-04	2.83E-04	2.49E-04	8.01E-08	2.42E-07	1.40E-07	1.72E-07	1.55E-07	7.09E-08	6.23E-08	0.00E+00	0.00E+00	2.58E-08	5.82E-09	3.69E-08	5.70E-09	4.82E-09	7.90E-08
5545	483727.27	3857130.01	2.71E-04	3.32E-04	2.91E-04	9.37E-08	2.83E-07	1.64E-07	2.01E-07	1.82E-07	8.30E-08	7.28E-08	0.00E+00	0.00E+00	3.01E-08	6.81E-09	4.32E-08	6.66E-09	5.64E-09	9.25E-08
5546	483124.42	3857123.45	2.19E-04	2.69E-04	2.36E-04	7.60E-08	2.29E-07	1.33E-07	1.63E-07	1.47E-07	6.73E-08	5.90E-08	0.00E+00	0.00E+00	2.44E-08	5.52E-09	3.50E-08	5.40E-09	4.57E-09	7.49E-08
5547	483111.13	3855921.03	3.22E-04	3.95E-04	3.46E-04	1.12E-07	3.37E-07	1.95E-07	2.39E-07	2.17E-07	9.88E-08	8.66E-08	0.00E+00	0.00E+00	3.59E-08	8.11E-09	5.15E-08	7.93E-09	6.71E-09	1.10E-07
5548	482701.73	3855918.24	2.65E-04	3.24E-04	2.84E-04	9.17E-08	2.77E-07	1.60E-07	1.96E-07	1.78E-07	8.12E-08	7.11E-08	0.00E+00	0.00E+00	2.95E-08	6.66E-09	4.23E-08	6.52E-09	5.51E-09	9.04E-08
5549	482668.02	3853521.78	2.85E-04	3.49E-04	3.07E-04	9.87E-08	2.98E-07	1.73E-07	2.11E-07	1.92E-07	8.74E-08	7.69E-08	0.00E+00	0.00E+00	3.17E-08	7.18E-09	4.55E-08	7.02E-09	5.95E-09	9.74E-08
5550	482579.91	3853219.19	1.52E-04	1.86E-04	1.63E-04	5.25E-08	1.59E-07	9.18E-08	1.12E-07	1.02E-07	4.65E-08	4.08E-08	0.00E+00	0.00E+00	1.69E-08	3.82E-09	2.42E-08	3.73E-09	3.16E-09	5.18E-08
5551	482434.06	3852961.94	1.22E-04	1.49E-04	1.31E-04	4.21E-08	1.27E-07	7.36E-08	9.02E-08	8.17E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.35E-08	3.06E-09	1.94E-08	2.99E-09	2.53E-09	4.15E-08
5552	482332.11	3852832.85	1.11E-04	1.36E-04	1.19E-04	3.84E-08	1.16E-07	6.71E-08	8.22E-08	7.45E-08	3.40E-08	2.98E-08	0.00E+00	0.00E+00	1.23E-08	2.79E-09	1.77E-08	2.73E-09	2.31E-09	3.79E-08
5553	481334.99	3851818.96	6.53E-05	8.00E-05	7.01E-05	2.26E-08	6.82E-08	3.95E-08	4.84E-08	4.39E-08	2.00E-08	1.76E-08	0.00E+00	0.00E+00	7.27E-09	1.64E-09	1.04E-08	1.61E-09	1.36E-09	2.23E-08
5554	481127.62	3851646.36	6.03E-05	7.39E-05	6.48E-05	2.09E-08	6.31E-08	3.65E-08	4.47E-08	4.05E-08	1.85E-08	1.62E-08	0.00E+00	0.00E+00	6.72E-09	1.52E-09	9.63E-09	1.49E-09	1.26E-09	2.06E-08
5555	481025.04	3851591.73	5.84E-05	7.15E-05	6.27E-05	2.02E-08	6.10E-08	3.53E-08	4.33E-08	3.92E-08	1.79E-08	1.57E-08	0.00E+00	0.00E+00	6.50E-09	1.47E-09	9.32E-09	1.44E-09	1.22E-09	1.99E-08
5556	480513.6	3851335.76	4.91E-05	6.01E-05	5.27E-05	1.70E-08	5.13E-08	2.97E-08	3.64E-08	3.30E-08	1.50E-08	1.32E-08	0.00E+00	0.00E+00	5.46E-09	1.23E-09	7.84E-09	1.21E-09	1.02E-09	1.68E-08
5557	480523.56	3851317.66	4.93E-05	6.03E-05	5.29E-05	1.70E-08	5.15E-08	2.98E-08	3.65E-08	3.31E-08	1.51E-08	1.32E-08	0.00E+00	0.00E+00	5.48E-09	1.24E-09	7.86E-09	1.21E-09	1.03E-09	1.68E-08
5558	476921.56	3849569.11	2.21E-05	2.70E-05	2.37E-05	7.63E-09	2.30E-08	1.33E-08	1.63E-08	1.48E-08	6.76E-09	5.93E-09	0.00E+00	0.00E+00	2.45E-09	5.55E-10	3.52E-09	5.43E-10	4.59E-10	7.53E-09
5559	476521.19	3849373.96	2.05E-05	2.51E-05	2.20E-05	7.10E-09	2.14E-08	1.24E-08	1.52E-08	1.38E-08	6.28E-09	5.51E-09	0.00E+00	0.00E+00	2.28E-09	5.16E-10	3.27E-09	5.05E-10	4.27E-10	7.00E-09
5560	476391.45	3849333.38	2.03E-05	2.48E-05	2.18E-05	7.02E-09	2.12E-08	1.23E-08	1.50E-08	1.36E-08	6.22E-09	5.45E-09	0.00E+00	0.00E+00	2.26E-09	5.10E-10	3.24E-09	4.99E-10	4.22E-10	6.93E-09
5561	476219.41	3849304.29	2.01E-05	2.46E-05	2.16E-05	6.96E-09	2.10E-08	1.22E-08	1.49E-08	1.35E-08	6.17E-09	5.41E-09	0.00E+00	0.00E+00	2.24E-09	5.06E-10	3.21E-09	4.95E-10	4.19E-10	6.87E-09

5562	475679.11	3849218.47	1.92E-05	2.35E-05	2.06E-05	6.64E-09	2.01E-08	1.16E-08	1.42E-08	1.29E-08	5.88E-09	5.16E-09	0.00E+00	0.00E+00	2.14E-09	4.83E-10	3.06E-09	4.72E-10	4.00E-10	6.55E-09
5563	475677.71	3849233.88	1.93E-05	2.36E-05	2.07E-05	6.68E-09	2.02E-08	1.17E-08	1.43E-08	1.30E-08	5.92E-09	5.19E-09	0.00E+00	0.00E+00	2.15E-09	4.86E-10	3.08E-09	4.75E-10	4.02E-10	6.59E-09
5564	475492.74	3849204.66	1.75E-05	2.14E-05	1.88E-05	6.06E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.37E-09	4.71E-09	0.00E+00	0.00E+00	1.95E-09	4.40E-10	2.79E-09	4.31E-10	3.64E-10	5.98E-09
5565	475497.64	3849158.75	1.79E-05	2.19E-05	1.92E-05	6.20E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.49E-09	4.82E-09	0.00E+00	0.00E+00	1.99E-09	4.51E-10	2.86E-09	4.41E-10	3.73E-10	6.12E-09
5566	475391.35	3849141.94	1.83E-05	2.25E-05	1.97E-05	6.35E-09	1.92E-08	1.11E-08	1.36E-08	1.23E-08	5.62E-09	4.93E-09	0.00E+00	0.00E+00	2.04E-09	4.61E-10	2.93E-09	4.51E-10	3.82E-10	6.26E-09
5567	475277	3849095.47	1.83E-05	2.24E-05	1.96E-05	6.33E-09	1.91E-08	1.11E-08	1.35E-08	1.23E-08	5.60E-09	4.91E-09	0.00E+00	0.00E+00	2.03E-09	4.60E-10	2.92E-09	4.50E-10	3.81E-10	6.24E-09
5568	475183.93	3849025.66	1.79E-05	2.20E-05	1.93E-05	6.20E-09	1.87E-08	1.08E-08	1.33E-08	1.20E-08	5.50E-09	4.82E-09	0.00E+00	0.00E+00	2.00E-09	4.51E-10	2.86E-09	4.41E-10	3.73E-10	6.12E-09
5569	474453.23	3848378.77	1.55E-05	1.90E-05	1.67E-05	5.37E-09	1.62E-08	9.38E-09	1.15E-08	1.04E-08	4.75E-09	4.17E-09	0.00E+00	0.00E+00	1.73E-09	3.90E-10	2.48E-09	3.82E-10	3.23E-10	5.30E-09
5570	474569.63	3848399.34	1.54E-05	1.89E-05	1.66E-05	5.33E-09	1.61E-08	9.32E-09	1.14E-08	1.04E-08	4.72E-09	4.14E-09	0.00E+00	0.00E+00	1.72E-09	3.88E-10	2.46E-09	3.79E-10	3.21E-10	5.26E-09
5571	474644.33	3848464.52	1.57E-05	1.92E-05	1.68E-05	5.42E-09	1.64E-08	9.48E-09	1.16E-08	1.05E-08	4.80E-09	4.21E-09	0.00E+00	0.00E+00	1.74E-09	3.94E-10	2.50E-09	3.86E-10	3.26E-10	5.35E-09
5572	474719.04	3848529.7	1.59E-05	1.95E-05	1.71E-05	5.50E-09	1.66E-08	9.62E-09	1.18E-08	1.07E-08	4.87E-09	4.27E-09	0.00E+00	0.00E+00	1.77E-09	4.00E-10	2.54E-09	3.91E-10	3.31E-10	5.43E-09
5573	474793.74	3848594.88	1.60E-05	1.96E-05	1.72E-05	5.55E-09	1.68E-08	9.70E-09	1.19E-08	1.08E-08	4.92E-09	4.31E-09	0.00E+00	0.00E+00	1.79E-09	4.03E-10	2.56E-09	3.95E-10	3.34E-10	5.48E-09
5574	474868.45	3848660.07	1.61E-05	1.97E-05	1.73E-05	5.57E-09	1.68E-08	9.74E-09	1.19E-08	1.08E-08	4.94E-09	4.33E-09	0.00E+00	0.00E+00	1.79E-09	4.05E-10	2.57E-09	3.96E-10	3.35E-10	5.50E-09
5575	474943.15	3848725.25	1.63E-05	1.99E-05	1.75E-05	5.63E-09	1.70E-08	9.85E-09	1.21E-08	1.09E-08	4.99E-09	4.38E-09	0.00E+00	0.00E+00	1.81E-09	4.09E-10	2.60E-09	4.01E-10	3.39E-10	5.56E-09
5576	475017.86	3848790.43	1.66E-05	2.03E-05	1.78E-05	5.74E-09	1.73E-08	1.00E-08	1.23E-08	1.11E-08	5.08E-09	4.46E-09	0.00E+00	0.00E+00	1.84E-09	4.17E-10	2.65E-09	4.08E-10	3.45E-10	5.66E-09
5577	475092.56	3848855.61	1.69E-05	2.08E-05	1.82E-05	5.87E-09	1.77E-08	1.03E-08	1.26E-08	1.14E-08	5.19E-09	4.56E-09	0.00E+00	0.00E+00	1.89E-09	4.26E-10	2.71E-09	4.17E-10	3.53E-10	5.79E-09
5578	475232.58	3848959.38	1.75E-05	2.14E-05	1.88E-05	6.05E-09	1.83E-08	1.06E-08	1.30E-08	1.17E-08	5.36E-09	4.70E-09	0.00E+00	0.00E+00	1.95E-09	4.40E-10	2.79E-09	4.30E-10	3.64E-10	5.97E-09
5579	475368.47	3849029.98	1.77E-05	2.17E-05	1.90E-05	6.12E-09	1.85E-08	1.07E-08	1.31E-08	1.19E-08	5.42E-09	4.76E-09	0.00E+00	0.00E+00	1.97E-09	4.45E-10	2.82E-09	4.36E-10	3.68E-10	6.04E-09
5580	475609.57	3849096.09	1.78E-05	2.18E-05	1.91E-05	6.16E-09	1.86E-08	1.08E-08	1.32E-08	1.20E-08	5.46E-09	4.79E-09	0.00E+00	0.00E+00	1.98E-09	4.48E-10	2.84E-09	4.38E-10	3.71E-10	6.08E-09
5581	475680.68	3849116.62	1.82E-05	2.23E-05	1.95E-05	6.29E-09	1.90E-08	1.10E-08	1.35E-08	1.22E-08	5.57E-09	4.89E-09	0.00E+00	0.00E+00	2.02E-09	4.57E-10	2.90E-09	4.47E-10	3.78E-10	6.21E-09
5582	475843.76	3849151.52	1.86E-05	2.28E-05	2.00E-05	6.45E-09	1.95E-08	1.13E-08	1.38E-08	1.25E-08	5.71E-09	5.01E-09	0.00E+00	0.00E+00	2.07E-09	4.68E-10	2.97E-09	4.58E-10	3.88E-10	6.36E-09
5583	475935.73	3849165.89	1.90E-05	2.33E-05	2.05E-05	6.59E-09	1.99E-08	1.15E-08	1.41E-08	1.28E-08	5.84E-09	5.12E-09	0.00E+00	0.00E+00	2.12E-09	4.79E-10	3.04E-09	4.69E-10	3.97E-10	6.50E-09
5584	476027.71	3849180.27	1.94E-05	2.37E-05	2.08E-05	6.71E-09	2.02E-08	1.17E-08	1.44E-08	1.30E-08	5.94E-09	5.21E-09	0.00E+00	0.00E+00	2.16E-09	4.87E-10	3.09E-09	4.77E-10	4.03E-10	6.62E-09
5585	476119.68	3849194.64	1.91E-05	2.34E-05	2.06E-05	6.63E-09	2.00E-08	1.16E-08	1.42E-08	1.29E-08	5.87E-09	5.15E-09	0.00E+00	0.00E+00	2.13E-09	4.82E-10	3.06E-09	4.71E-10	3.99E-10	6.54E-09
5586	476211.65	3849209.01	1.92E-05	2.35E-05	2.06E-05	6.64E-09	2.00E-08	1.16E-08	1.42E-08	1.29E-08	5.88E-09	5.16E-09	0.00E+00	0.00E+00	2.14E-09	4.83E-10	3.06E-09	4.72E-10	3.99E-10	6.55E-09
5587	476497.81	3849283.9	1.96E-05	2.40E-05	2.11E-05	6.79E-09	2.05E-08	1.19E-08	1.45E-08	1.32E-08	6.02E-09	5.28E-09	0.00E+00	0.00E+00	2.18E-09	4.94E-10	3.13E-09	4.83E-10	4.09E-10	6.70E-09
5588	476603.73	3849323.77	1.99E-05	2.44E-05	2.14E-05	6.90E-09	2.08E-08	1.21E-08	1.48E-08	1.34E-08	6.11E-09	5.36E-09	0.00E+00	0.00E+00	2.22E-09	5.02E-10	3.18E-09	4.91E-10	4.15E-10	6.81E-09
5589	476728.99	3849382.76	2.03E-05	2.49E-05	2.18E-05	7.04E-09	2.12E-08	1.23E-08	1.51E-08	1.37E-08	6.23E-09	5.47E-09	0.00E+00	0.00E+00	2.26E-09	5.11E-10	3.24E-09	5.00E-10	4.23E-10	6.94E-09
5590	476801.27	3849418.65	2.06E-05	2.52E-05	2.21E-05	7.13E-09	2.15E-08	1.25E-08	1.53E-08	1.38E-08	6.31E-09	5.54E-09	0.00E+00	0.00E+00	2.29E-09	5.18E-10	3.29E-09	5.07E-10	4.29E-10	7.03E-09
5591	476956.2	3849495.05	2.12E-05	2.59E-05	2.28E-05	7.33E-09	2.21E-08	1.28E-08	1.57E-08	1.42E-08	6.49E-09	5.69E-09	0.00E+00	0.00E+00	2.36E-09	5.33E-10	3.38E-09	5.21E-10	4.41E-10	7.23E-09
5592	477038.84	3849535.56	2.13E-05	2.61E-05	2.29E-05	7.38E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.54E-09	5.74E-09	0.00E+00	0.00E+00	2.37E-09	5.37E-10	3.41E-09	5.25E-10	4.44E-10	7.29E-09
5593	477121.49	3849576.08	2.16E-05	2.65E-05	2.32E-05	7.48E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.63E-09	5.82E-09	0.00E+00	0.00E+00	2.41E-09	5.44E-10	3.45E-09	5.32E-10	4.50E-10	7.38E-09
5594	477204.13	3849616.6	2.18E-05	2.67E-05	2.34E-05	7.55E-09	2.28E-08	1.32E-08	1.62E-08	1.46E-08	6.68E-09	5.86E-09	0.00E+00	0.00E+00	2.43E-09	5.48E-10	3.48E-09	5.37E-10	4.54E-10	7.45E-09
5595	477286.78	3849657.12	2.16E-05	2.64E-05	2.32E-05	7.47E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.61E-09	5.80E-09	0.00E+00	0.00E+00	2.40E-09	5.43E-10	3.44E-09	5.31E-10	4.49E-10	7.37E-09
5596	477369.42	3849697.63	2.23E-05	2.73E-05	2.40E-05	7.73E-09	2.33E-08	1.35E-08	1.65E-08	1.50E-08	6.84E-09	6.00E-09	0.00E+00	0.00E+00	2.48E-09	5.62E-10	3.56E-09	5.50E-10	4.65E-10	7.62E-09
5597	477452.07	3849738.15	2.25E-05	2.75E-05	2.41E-05	7.78E-09	2.35E-08	1.36E-08	1.66E-08	1.51E-08	6.89E-09	6.04E-09	0.00E+00	0.00E+00	2.50E-09	5.65E-10	3.59E-09	5.53E-10	4.68E-10	7.67E-09
5598	477534.71	3849778.67	2.31E-05	2.83E-05	2.48E-05	7.99E-09	2.41E-08	1.40E-08	1.71E-08	1.55E-08	7.08E-09	6.21E-09	0.00E+00	0.00E+00	2.57E-09	5.81E-10	3.68E-09	5.68E-10	4.81E-10	7.88E-09
5599	477617.36	3849819.18	2.33E-05	2.85E-05	2.50E-05	8.06E-09	2.44E-08	1.41E-08	1.73E-08	1.57E-08	7.14E-09	6.27E-09	0.00E+00	0.00E+00	2.59E-09	5.86E-10	3.72E-09	5.74E-10	4.85E-10	7.96E-09
5600	477824.74	3849896.37	2.39E-05	2.93E-05	2.57E-05	8.29E-09	2.50E-08	1.45E-08	1.77E-08	1.61E-08	7.34E-09	6.44E-09	0.00E+00	0.00E+00	2.66E-09	6.02E-10	3.82E-09	5.89E-10	4.98E-10	8.17E-09
5601	477906.31	3849936.37	2.36E-05	2.89E-05	2.53E-05	8.16E-09	2.46E-08	1.43E-08	1.75E-08	1.58E-08	7.23E-09	6.34E-09	0.00E+00	0.00E+00	2.62E-09	5.93E-10	3.76E-09	5.80E-10	4.91E-10	8.05E-09
5602	477987.89	3849976.36	2.41E-05	2.95E-05	2.59E-05	8.34E-09	2.52E-08	1.46E-08	1.78E-08	1.62E-08	7.38E-09	6.48E-09	0.00E+00	0.00E+00	2.68E-09	6.06E-10	3.84E-09	5.93E-10	5.02E-10	8.23E-09
5603	478069.47	3850016.36	2.39E-05	2.93E-05	2.57E-05	8.28E-09	2.50E-08	1.45E-08	1.77E-08	1.61E-08	7.33E-09	6.43E-09	0.00E+00	0.00E+00	2.66E-09	6.02E-10	3.82E-09	5.89E-10	4.98E-10	8.17E-09
5604	478151.04	3850056.35	2.38E-05	2.92E-05	2.56E-05	8.25E-09	2.49E-08	1.44E-08	1.77E-08	1.60E-08	7.31E-09	6.41E-09	0.00E+00	0.00E+00	2.65E-09	6.00E-10	3.80E-09	5.87E-10	4.96E-10	8.14E-09
5605	478232.62	3850096.35	2.42E-05	2.96E-05	2.60E-05	8.37E-09	2.53E-08	1.46E-08	1.79E-08	1.62E-08	7.41E-09	6.50E-09	0.00E+00	0.00E+00	2.69E-09	6.08E-10	3.86E-09	5.95E-10	5.04E-10	8.26E-09
5606	478314.2	3850136.34	2.46E-05	3.01E-05	2.64E-05	8.51E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.54E-09	6.61E-09	0.00E+00	0.00E+00	2.74E-09	6.19E-10	3.93E-09	6.05E-10	5.12E-10	8.40E-09
5607	478395.77	3850176.34	2.51E-05	3.07E-05	2.69E-05	8.67E-09	2.62E-08	1.52E-08	1.86E-08	1.68E-08	7.68E-09	6.74E-09	0.00E+00	0.00E+00	2.79E-09	6.30E-10	4.00E-09	6.17E-10	5.22E-10	8.56E-09
5608	478575.43	3850244.45	2.61E-05	3.20E-05	2.81E-05	9.04E-09	2.73E-08	1.58E-08	1.94E-08	1.75E-08	8.01E-09	7.03E-09	0.00E+00	0.00E+00	2.91E-09	6.57E-10	4.17E-09	6.43E-10	5.44E-10	8.92E-09
5609	478665.06	3850287.29	2.68E-05	3.29E-05	2.88E-05	9.28E-09	2.80E-08	1.62E-08	1.99E-08	1.80E-08	8.22E-09	7.21E-09	0.00E+00	0.00E+00	2.99E-09	6.75E-10	4.28E-09	6.60E-10	5.59E-10	9.16E-09
5610	478754.69	3850330.14	2.76E-05	3.38E-05	2.96E-05	9.54E-09	2.88E-08	1.67E-08	2.04E-08	1.85E-08	8.45E-09	7.41E-09	0.00E+00	0.00E+00	3.07E-09	6.93E-10	4.40E-09	6.78E-10	5.74E-10	9.41E-09
5611	478844.32	3850372.99	2.84E-05	3.48E-05	3.05E-05	9.83E-09	2.97E-08	1.72E-08	2.11E-08	1.91E-08	8.71E-09	7.64E-09	0.00E+00	0.00E+00	3.16E-09	7.15E-10	4.54E-09	6.99E-10	5.92E-10	9.70E-09
5612	478933.95	3850415.84	2.94E-05	3.60E-05	3.15E-05	1.02E-08	3.07E-08	1.78E-08	2.18E-08	1.97E-08	9.00E-09	7.90E-09	0.00E+00	0.00E+00	3.27E-09	7.38E-10	4.69E-09	7.23E-10	6.11E-10	1.00E-08
5613	479023.58	3850458.68	3.00E-05	3.67E-05	3.22E-05	1.04E-08	3.13E-08	1.81E-08	2.22E-08	2.01E-08	9.18E-09	8.06E-09	0.00E+00	0.00E+00	3.33E-09	7.53E-10	4.78E-09	7.37E-10	6.24E-10	1.02E-08
5614	479110.66	3850441.91	3.08E-05	3.78E-05	3.31E-05	1.07E-08	3.22E-08	1.86E-08	2.28E-08	2.07E-08	9.45E-09	8.29E-09	0.00E+00	0.00E+00	3.43E-09	7.75E-10	4.92E-09	7.59E-10	6.42E-10	1.05E-08
5615	479191.22	3850423.99	3.16E-05	3.87E-05	3.40E-05	1.09E-08	3.30E-08	1.91E-08	2.34E-08	2.12E-08	9.69E-09	8.50E-09	0.00E+00	0.00E+00	3.52E-09	7.95E-10	5.05E-09	7.78E-10	6.58E-10	1.08E-08
5616	479274.32	3850465.71	3.24E-05	3.97E-05	3.49E-05	1.12E-08	3.39E-08	1.96E-08	2.40E-08	2.18E-08	9.95E-09	8.73E-09	0.00E+00	0.00E+00	3.61E-09	8.16E-10	5.18E-09	7.99E-10	6.76E-10	1.11E-08
5617	479357.43	3850507.42	3.32E-05	4.06E-05	3.56E-05	1.15E-08	3.47E-08	2.01E-08	2.46E-08	2.23E-08	1.02E-08	8.92E-09	0.00E+00	0.00E+00	3.69E-09	8.34E-10	5.29E-09	8.16E-10	6.91E-10	1.13E-08
5618	479440.53	3850549.14	3.38E-05	4.14E-05	3.63E-05	1.17E-08	3.53E-08	2.05E-08	2.51E-08	2.27E-08	1.04E-08	9.09E-09	0.00E+00	0.00E+00	3.76E-09	8.50E-10	5.40E-09	8.32E-10	7.04E-10	1.15E-08
5619	479523.64	3850590.85	3.46E-05	4.24E-05	3.72E-05	1.20E-08	3.62E-08	2.10E-08	2.57E-08	2.33E-08	1.06E-08	9.32E-09	0.00E+00	0.00E+00	3.86E-09	8.71E-10	5.53E-09	8.53E-10	7.21E-10	1.18E-08

5620	479606.74	3850632.57	3.56E-05	4.36E-05	3.83E-05	1.23E-08	3.72E-08	2.15E-08	2.64E-08	2.39E-08	1.09E-08	9.58E-09	0.00E+00	0.00E+00	3.96E-09	8.96E-10	5.68E-09	8.76E-10	7.41E-10	1.22E-08
5621	479777.37	3850707.61	3.77E-05	4.62E-05	4.05E-05	1.31E-08	3.94E-08	2.28E-08	2.79E-08	2.53E-08	1.16E-08	1.01E-08	0.00E+00	0.00E+00	4.20E-09	9.49E-10	6.02E-09	9.28E-10	7.85E-10	1.29E-08
5622	479864.9	3850740.95	3.90E-05	4.78E-05	4.19E-05	1.35E-08	4.08E-08	2.36E-08	2.89E-08	2.62E-08	1.20E-08	1.05E-08	0.00E+00	0.00E+00	4.34E-09	9.81E-10	6.23E-09	9.60E-10	8.12E-10	1.33E-08
5623	479931.87	3850829.57	4.00E-05	4.89E-05	4.29E-05	1.38E-08	4.18E-08	2.42E-08	2.96E-08	2.68E-08	1.22E-08	1.07E-08	0.00E+00	0.00E+00	4.45E-09	1.01E-09	6.38E-09	9.84E-10	8.32E-10	1.36E-08
5624	479995.55	3850926.75	4.10E-05	5.02E-05	4.40E-05	1.42E-08	4.28E-08	2.48E-08	3.04E-08	2.75E-08	1.26E-08	1.10E-08	0.00E+00	0.00E+00	4.56E-09	1.03E-09	6.54E-09	1.01E-09	8.53E-10	1.40E-08
5625	480079.78	3850968.64	4.23E-05	5.18E-05	4.54E-05	1.46E-08	4.42E-08	2.56E-08	3.13E-08	2.84E-08	1.30E-08	1.14E-08	0.00E+00	0.00E+00	4.71E-09	1.06E-09	6.75E-09	1.04E-09	8.81E-10	1.44E-08
5626	480164.01	3851010.54	4.36E-05	5.34E-05	4.68E-05	1.51E-08	4.56E-08	2.64E-08	3.23E-08	2.93E-08	1.34E-08	1.17E-08	0.00E+00	0.00E+00	4.85E-09	1.10E-09	6.96E-09	1.07E-09	9.08E-10	1.49E-08
5627	480248.23	3851052.43	4.48E-05	5.49E-05	4.82E-05	1.55E-08	4.69E-08	2.71E-08	3.32E-08	3.01E-08	1.37E-08	1.21E-08	0.00E+00	0.00E+00	4.99E-09	1.13E-09	7.16E-09	1.10E-09	9.34E-10	1.53E-08
5628	480332.46	3851094.33	4.62E-05	5.65E-05	4.96E-05	1.60E-08	4.82E-08	2.79E-08	3.42E-08	3.10E-08	1.41E-08	1.24E-08	0.00E+00	0.00E+00	5.14E-09	1.16E-09	7.37E-09	1.14E-09	9.61E-10	1.58E-08
5629	480416.69	3851136.22	4.74E-05	5.81E-05	5.10E-05	1.64E-08	4.96E-08	2.87E-08	3.51E-08	3.19E-08	1.45E-08	1.28E-08	0.00E+00	0.00E+00	5.28E-09	1.19E-09	7.57E-09	1.17E-09	9.87E-10	1.62E-08
5630	480579.95	3851215.17	5.00E-05	6.13E-05	5.37E-05	1.73E-08	5.23E-08	3.03E-08	3.71E-08	3.36E-08	1.53E-08	1.34E-08	0.00E+00	0.00E+00	5.57E-09	1.26E-09	7.98E-09	1.23E-09	1.04E-09	1.71E-08
5631	480658.98	3851252.22	5.13E-05	6.28E-05	5.51E-05	1.78E-08	5.36E-08	3.10E-08	3.80E-08	3.45E-08	1.57E-08	1.38E-08	0.00E+00	0.00E+00	5.71E-09	1.29E-09	8.19E-09	1.26E-09	1.07E-09	1.75E-08
5632	480817.36	3851327.85	5.38E-05	6.59E-05	5.78E-05	1.86E-08	5.63E-08	3.26E-08	3.99E-08	3.62E-08	1.65E-08	1.45E-08	0.00E+00	0.00E+00	5.99E-09	1.35E-09	8.59E-09	1.33E-09	1.12E-09	1.84E-08
5633	480896.72	3851366.43	5.51E-05	6.75E-05	5.92E-05	1.91E-08	5.76E-08	3.33E-08	4.08E-08	3.70E-08	1.69E-08	1.48E-08	0.00E+00	0.00E+00	6.13E-09	1.39E-09	8.80E-09	1.36E-09	1.15E-09	1.88E-08
5634	480976.07	3851405	5.63E-05	6.90E-05	6.05E-05	1.95E-08	5.89E-08	3.41E-08	4.18E-08	3.78E-08	1.73E-08	1.51E-08	0.00E+00	0.00E+00	6.27E-09	1.42E-09	8.99E-09	1.39E-09	1.17E-09	1.92E-08
5635	481178	3851487.31	5.92E-05	7.26E-05	6.37E-05	2.05E-08	6.19E-08	3.58E-08	4.39E-08	3.98E-08	1.82E-08	1.59E-08	0.00E+00	0.00E+00	6.60E-09	1.49E-09	9.46E-09	1.46E-09	1.23E-09	2.02E-08
5636	481244.9	3851557.17	6.08E-05	7.45E-05	6.53E-05	2.11E-08	6.36E-08	3.68E-08	4.51E-08	4.09E-08	1.86E-08	1.64E-08	0.00E+00	0.00E+00	6.77E-09	1.53E-09	9.71E-09	1.50E-09	1.27E-09	2.08E-08
5637	481311.81	3851627.03	6.25E-05	7.65E-05	6.71E-05	2.16E-08	6.53E-08	3.78E-08	4.63E-08	4.20E-08	1.92E-08	1.68E-08	0.00E+00	0.00E+00	6.95E-09	1.57E-09	9.97E-09	1.54E-09	1.30E-09	2.13E-08
5638	481378.71	3851696.89	6.43E-05	7.87E-05	6.90E-05	2.22E-08	6.72E-08	3.89E-08	4.76E-08	4.32E-08	1.97E-08	1.73E-08	0.00E+00	0.00E+00	7.15E-09	1.62E-09	1.03E-08	1.58E-09	1.34E-09	2.19E-08
5639	481445.61	3851766.76	6.61E-05	8.10E-05	7.10E-05	2.29E-08	6.91E-08	4.00E-08	4.90E-08	4.44E-08	2.03E-08	1.78E-08	0.00E+00	0.00E+00	7.36E-09	1.66E-09	1.06E-08	1.63E-09	1.38E-09	2.26E-08
5640	481512.51	3851836.62	6.81E-05	8.34E-05	7.32E-05	2.36E-08	7.12E-08	4.12E-08	5.05E-08	4.57E-08	2.09E-08	1.83E-08	0.00E+00	0.00E+00	7.58E-09	1.71E-09	1.09E-08	1.68E-09	1.42E-09	2.33E-08
5641	481579.42	3851906.48	7.02E-05	8.60E-05	7.54E-05	2.43E-08	7.34E-08	4.25E-08	5.20E-08	4.72E-08	2.15E-08	1.89E-08	0.00E+00	0.00E+00	7.81E-09	1.77E-09	1.12E-08	1.73E-09	1.46E-09	2.40E-08
5642	481646.32	3851976.34	7.24E-05	8.87E-05	7.78E-05	2.51E-08	7.57E-08	4.38E-08	5.37E-08	4.86E-08	2.22E-08	1.95E-08	0.00E+00	0.00E+00	8.06E-09	1.82E-09	1.16E-08	1.78E-09	1.51E-09	2.47E-08
5643	481713.22	3852046.2	7.48E-05	9.17E-05	8.04E-05	2.59E-08	7.82E-08	4.53E-08	5.55E-08	5.03E-08	2.29E-08	2.01E-08	0.00E+00	0.00E+00	8.33E-09	1.88E-09	1.19E-08	1.84E-09	1.56E-09	2.56E-08
5644	481780.12	3852116.06	7.73E-05	9.47E-05	8.31E-05	2.68E-08	8.08E-08	4.68E-08	5.73E-08	5.19E-08	2.37E-08	2.08E-08	0.00E+00	0.00E+00	8.61E-09	1.94E-09	1.23E-08	1.90E-09	1.61E-09	2.64E-08
5645	481847.03	3852185.92	7.99E-05	9.78E-05	8.58E-05	2.77E-08	8.35E-08	4.83E-08	5.92E-08	5.37E-08	2.45E-08	2.15E-08	0.00E+00	0.00E+00	8.89E-09	2.01E-09	1.28E-08	1.97E-09	1.66E-09	2.73E-08
5646	481913.93	3852255.78	8.25E-05	1.01E-04	8.86E-05	2.86E-08	8.62E-08	4.99E-08	6.11E-08	5.54E-08	2.53E-08	2.22E-08	0.00E+00	0.00E+00	9.18E-09	2.08E-09	1.32E-08	2.03E-09	1.72E-09	2.82E-08
5647	481980.83	3852325.65	8.50E-05	1.04E-04	9.14E-05	2.94E-08	8.89E-08	5.14E-08	6.30E-08	5.71E-08	2.61E-08	2.29E-08	0.00E+00	0.00E+00	9.46E-09	2.14E-09	1.36E-08	2.09E-09	1.77E-09	2.90E-08
5648	482047.73	3852395.51	8.80E-05	1.08E-04	9.46E-05	3.05E-08	9.20E-08	5.33E-08	6.52E-08	5.91E-08	2.70E-08	2.37E-08	0.00E+00	0.00E+00	9.80E-09	2.21E-09	1.41E-08	2.17E-09	1.83E-09	3.01E-08
5649	482114.64	3852465.37	9.09E-05	1.11E-04	9.77E-05	3.15E-08	9.50E-08	5.50E-08	6.74E-08	6.11E-08	2.79E-08	2.45E-08	0.00E+00	0.00E+00	1.01E-08	2.29E-09	1.45E-08	2.24E-09	1.89E-09	3.11E-08
5650	482181.54	3852535.23	9.46E-05	1.16E-04	1.02E-04	3.28E-08	9.89E-08	5.73E-08	7.01E-08	6.36E-08	2.90E-08	2.54E-08	0.00E+00	0.00E+00	1.05E-08	2.38E-09	1.51E-08	2.33E-09	1.97E-09	3.23E-08
5651	482338.69	3852700.05	1.04E-04	1.27E-04	1.12E-04	3.59E-08	1.09E-07	6.28E-08	7.70E-08	6.98E-08	3.18E-08	2.79E-08	0.00E+00	0.00E+00	1.16E-08	2.61E-09	1.66E-08	2.56E-09	2.16E-09	3.55E-08
5652	482404.05	3852767.78	1.08E-04	1.33E-04	1.16E-04	3.75E-08	1.13E-07	6.55E-08	8.02E-08	7.27E-08	3.32E-08	2.91E-08	0.00E+00	0.00E+00	1.20E-08	2.72E-09	1.73E-08	2.66E-09	2.25E-09	3.70E-08
5653	482469.4	3852835.52	1.13E-04	1.38E-04	1.21E-04	3.91E-08	1.18E-07	6.84E-08	8.37E-08	7.59E-08	3.46E-08	3.04E-08	0.00E+00	0.00E+00	1.26E-08	2.84E-09	1.80E-08	2.78E-09	2.35E-09	3.86E-08
5654	482534.75	3852903.25	1.19E-04	1.45E-04	1.28E-04	4.11E-08	1.24E-07	7.19E-08	8.80E-08	7.98E-08	3.64E-08	3.19E-08	0.00E+00	0.00E+00	1.32E-08	2.99E-09	1.90E-08	2.92E-09	2.47E-09	4.06E-08
5655	482600.11	3852970.99	1.25E-04	1.53E-04	1.35E-04	4.33E-08	1.31E-07	7.57E-08	9.28E-08	8.41E-08	3.84E-08	3.37E-08	0.00E+00	0.00E+00	1.39E-08	3.15E-09	2.00E-08	3.08E-09	2.61E-09	4.28E-08
5656	482706.71	3853119.28	1.44E-04	1.76E-04	1.55E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.87E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	3.00E-09	4.92E-08
5657	482747.96	3853199.84	1.56E-04	1.92E-04	1.68E-04	5.42E-08	1.64E-07	9.47E-08	1.16E-07	1.05E-07	4.80E-08	4.21E-08	0.00E+00	0.00E+00	1.74E-08	3.94E-09	2.50E-08	3.85E-09	3.26E-09	5.34E-08
5658	482789.21	3853280.4	1.73E-04	2.11E-04	1.86E-04	5.97E-08	1.80E-07	1.04E-07	1.28E-07	1.16E-07	5.29E-08	4.64E-08	0.00E+00	0.00E+00	1.92E-08	4.34E-09	2.75E-08	4.25E-09	3.60E-09	5.89E-08
5659	482830.46	3853360.96	1.95E-04	2.39E-04	2.10E-04	6.76E-08	2.04E-07	1.18E-07	1.45E-07	1.31E-07	5.99E-08	5.26E-08	0.00E+00	0.00E+00	2.18E-08	4.92E-09	3.12E-08	4.81E-09	4.07E-09	6.68E-08
5660	482871.71	3853441.52	2.32E-04	2.85E-04	2.50E-04	8.04E-08	2.43E-07	1.41E-07	1.72E-07	1.56E-07	7.12E-08	6.26E-08	0.00E+00	0.00E+00	2.59E-08	5.84E-09	3.71E-08	5.72E-09	4.85E-09	7.94E-08
5661	482912.95	3853522.07	3.70E-04	4.53E-04	3.99E-04	1.28E-07	3.87E-07	2.24E-07	2.74E-07	2.49E-07	1.13E-07	9.97E-08	0.00E+00	0.00E+00	4.12E-08	9.31E-09	5.90E-08	9.11E-09	7.72E-09	1.26E-07
5662	482954.2	3853602.63	1.13E-03	1.38E-03	1.22E-03	3.91E-07	1.18E-06	6.83E-07	8.37E-07	7.59E-07	3.46E-07	3.05E-07	0.00E+00	0.00E+00	1.26E-07	2.84E-08	1.80E-07	2.78E-08	2.36E-08	3.86E-07
5663	482995.45	3853683.19	1.41E-03	1.72E-03	1.52E-03	4.87E-07	1.47E-06	8.51E-07	1.04E-06	9.45E-07	4.31E-07	3.80E-07	0.00E+00	0.00E+00	1.57E-07	3.54E-08	2.25E-07	3.46E-08	2.94E-08	4.81E-07
5664	483036.7	3853763.75	1.42E-03	1.75E-03	1.54E-03	4.93E-07	1.49E-06	8.62E-07	1.06E-06	9.57E-07	4.37E-07	3.85E-07	0.00E+00	0.00E+00	1.59E-07	3.58E-08	2.27E-07	3.51E-08	2.98E-08	4.87E-07
5665	483214.2	3853909.91	9.67E-04	1.18E-03	1.04E-03	3.35E-07	1.01E-06	5.85E-07	7.17E-07	6.50E-07	2.96E-07	2.61E-07	0.00E+00	0.00E+00	1.08E-07	2.43E-08	1.54E-07	2.38E-08	2.02E-08	3.30E-07
5666	483307.01	3853910.44	8.37E-04	1.03E-03	9.02E-04	2.90E-07	8.74E-07	5.06E-07	6.20E-07	5.62E-07	2.57E-07	2.26E-07	0.00E+00	0.00E+00	9.31E-08	2.11E-08	1.34E-07	2.06E-08	1.75E-08	2.86E-07
5667	483399.83	3853910.96	7.38E-04	9.04E-04	7.96E-04	2.55E-07	7.71E-07	4.47E-07	5.47E-07	4.96E-07	2.26E-07	1.99E-07	0.00E+00	0.00E+00	8.21E-08	1.86E-08	1.18E-07	1.82E-08	1.54E-08	2.52E-07
5668	483494.52	3854009.24	7.43E-04	9.10E-04	8.01E-04	2.57E-07	7.76E-07	4.49E-07	5.51E-07	4.99E-07	2.28E-07	2.00E-07	0.00E+00	0.00E+00	8.27E-08	1.87E-08	1.19E-07	1.83E-08	1.55E-08	2.54E-07
5669	483496.41	3854106.98	8.24E-04	1.01E-03	8.88E-04	2.85E-07	8.61E-07	4.98E-07	6.11E-07	5.54E-07	2.53E-07	2.22E-07	0.00E+00	0.00E+00	9.17E-08	2.07E-08	1.32E-07	2.03E-08	1.72E-08	2.81E-07
5670	483577.56	3854261.96	9.17E-04	1.12E-03	9.88E-04	3.18E-07	9.59E-07	5.55E-07	6.80E-07	6.17E-07	2.81E-07	2.47E-07	0.00E+00	0.00E+00	1.02E-07	2.31E-08	1.46E-07	2.26E-08	1.91E-08	3.13E-07
5671	483656.83	3854319.19	9.24E-04	1.13E-03	9.95E-04	3.20E-07	9.66E-07	5.59E-07	6.85E-07	6.21E-07	2.83E-07	2.49E-07	0.00E+00	0.00E+00	1.03E-07	2.32E-08	1.48E-07	2.27E-08	1.93E-08	3.16E-07
5672	483736.1	3854376.41	9.50E-04	1.16E-03	1.02E-03	3.29E-07	9.93E-07	5.75E-07	7.05E-07	6.39E-07	2.91E-07	2.56E-07	0.00E+00	0.00E+00	1.06E-07	2.39E-08	1.52E-07	2.34E-08	1.98E-08	3.25E-07
5673	483815.37	3854433.64	9.98E-04	1.22E-03	1.07E-03	3.46E-07	1.04E-06	6.04E-07	7.40E-07	6.71E-07	3.06E-07	2.69E-07	0.00E+00	0.00E+00	1.11E-07	2.51E-08	1.59E-07	2.46E-08	2.08E-08	3.41E-07
5674	483894.63	3854490.87	1.07E-03	1.31E-03	1.15E-03	3.70E-07	1.12E-06	6.47E-07	7.92E-07	7.18E-07	3.28E-07	2.88E-07	0.00E+00	0.00E+00	1.19E-07	2.69E-08	1.71E-07	2.63E-08	2.23E-08	3.65E-07
5675	483973.9	3854548.1	1.18E-03	1.45E-03	1.27E-03	4.09E-07	1.24E-06	7.15E-07	8.77E-07	7.95E-07	3.63E-07	3.18E-07	0.00E+00	0.00E+00	1.32E-07	2.98E-08	1.89E-07	2.91E-08	2.47E-08	4.04E-07
5676	484053.17	3854605.32	1.42E-03	1.74E-03	1.53E-03	4.91E-07	1.48E-06	8.59E-07	1.05E-06	9.54E-07	4.35E-07	3.82E-07	0.00E+00	0.00E+00	1.58E-07	3.57E-08	2.27E-07	3.50E-08	2.96E-08	4.85E-07
5677	484214.97	3854698.15	2.45E-03	3.00E-03	2.64E-03	8.48E-07	2.56E-06	1.48E-06	1.82E-06	1.65E-06	7.51E-07	6.60E-07	0.00E+00	0.00E+00	2.73E-07	6.16E-08	3.91E-07	6.03E-08	5.11E-08	8.37E-07

5678	484297.5	3854733.74	3.19E-03	3.91E-03	3.43E-03	1.10E-06	3.33E-06	1.93E-06	2.37E-06	2.14E-06	9.78E-07	8.59E-07	0.00E+00	0.00E+00	3.55E-07	8.03E-08	5.09E-07	7.86E-08	6.65E-08	1.09E-06
5679	484380.03	3854769.34	3.85E-03	4.72E-03	4.14E-03	1.33E-06	4.03E-06	2.33E-06	2.86E-06	2.59E-06	1.18E-06	1.04E-06	0.00E+00	0.00E+00	4.29E-07	9.70E-08	6.15E-07	9.49E-08	8.03E-08	1.32E-06
5680	484462.56	3854804.94	4.98E-03	6.11E-03	5.35E-03	1.72E-06	5.21E-06	3.01E-06	3.69E-06	3.35E-06	1.53E-06	1.34E-06	0.00E+00	0.00E+00	5.55E-07	1.25E-07	7.96E-07	1.23E-07	1.04E-07	1.70E-06
5681	484545.09	3854840.53	6.01E-03	7.37E-03	6.45E-03	2.08E-06	6.28E-06	3.64E-06	4.46E-06	4.04E-06	1.84E-06	1.62E-06	0.00E+00	0.00E+00	6.69E-07	1.51E-07	9.60E-07	1.48E-07	1.25E-07	2.05E-06
5682	484691.88	3854912.59	7.41E-03	9.08E-03	7.94E-03	2.57E-06	7.75E-06	4.48E-06	5.49E-06	4.98E-06	2.27E-06	1.99E-06	0.00E+00	0.00E+00	8.25E-07	1.86E-07	1.18E-06	1.82E-07	1.54E-07	2.53E-06
5683	484830.81	3855012.51	6.90E-03	8.46E-03	7.37E-03	2.39E-06	7.21E-06	4.18E-06	5.12E-06	4.64E-06	2.12E-06	1.85E-06	0.00E+00	0.00E+00	7.68E-07	1.74E-07	1.10E-06	1.70E-07	1.43E-07	2.36E-06
5684	484905.48	3855075.97	6.92E-03	8.48E-03	7.41E-03	2.40E-06	7.24E-06	4.19E-06	5.13E-06	4.65E-06	2.12E-06	1.85E-06	0.00E+00	0.00E+00	7.71E-07	1.74E-07	1.11E-06	1.70E-07	1.44E-07	2.36E-06
5685	484980.14	3855139.44	6.89E-03	8.44E-03	7.39E-03	2.38E-06	7.20E-06	4.17E-06	5.10E-06	4.63E-06	2.11E-06	1.85E-06	0.00E+00	0.00E+00	7.67E-07	1.73E-07	1.10E-06	1.70E-07	1.43E-07	2.35E-06
5686	485054.81	3855202.91	6.80E-03	8.33E-03	7.30E-03	2.35E-06	7.10E-06	4.11E-06	5.04E-06	4.57E-06	2.08E-06	1.83E-06	0.00E+00	0.00E+00	7.57E-07	1.71E-07	1.09E-06	1.67E-07	1.42E-07	2.32E-06
5687	485129.48	3855266.37	6.58E-03	8.06E-03	7.08E-03	2.28E-06	6.88E-06	3.98E-06	4.88E-06	4.42E-06	2.02E-06	1.77E-06	0.00E+00	0.00E+00	7.33E-07	1.66E-07	1.05E-06	1.62E-07	1.37E-07	2.25E-06
5688	485204.15	3855329.84	6.71E-03	8.22E-03	7.22E-03	2.32E-06	7.01E-06	4.06E-06	4.97E-06	4.51E-06	2.06E-06	1.81E-06	0.00E+00	0.00E+00	7.47E-07	1.69E-07	1.07E-06	1.65E-07	1.40E-07	2.29E-06
5689	485278.82	3855393.31	6.66E-03	8.16E-03	7.18E-03	2.31E-06	6.96E-06	4.03E-06	4.94E-06	4.48E-06	2.04E-06	1.80E-06	0.00E+00	0.00E+00	7.42E-07	1.68E-07	1.06E-06	1.64E-07	1.39E-07	2.28E-06
5690	485353.48	3855456.77	6.69E-03	8.19E-03	7.21E-03	2.32E-06	6.99E-06	4.05E-06	4.96E-06	4.49E-06	2.05E-06	1.80E-06	0.00E+00	0.00E+00	7.45E-07	1.68E-07	1.07E-06	1.65E-07	1.40E-07	2.28E-06
5691	485428.15	3855520.24	6.63E-03	8.12E-03	7.15E-03	2.29E-06	6.93E-06	4.01E-06	4.91E-06	4.45E-06	2.03E-06	1.79E-06	0.00E+00	0.00E+00	7.38E-07	1.67E-07	1.06E-06	1.63E-07	1.39E-07	2.26E-06
5692	485502.82	3855583.71	6.60E-03	8.08E-03	7.12E-03	2.28E-06	6.90E-06	3.99E-06	4.89E-06	4.43E-06	2.02E-06	1.78E-06	0.00E+00	0.00E+00	7.35E-07	1.66E-07	1.05E-06	1.62E-07	1.38E-07	2.25E-06
5693	485577.49	3855647.17	6.67E-03	8.17E-03	7.20E-03	2.31E-06	6.98E-06	4.04E-06	4.95E-06	4.48E-06	2.05E-06	1.80E-06	0.00E+00	0.00E+00	7.43E-07	1.68E-07	1.07E-06	1.64E-07	1.40E-07	2.28E-06
5694	485652.16	3855710.64	6.71E-03	8.23E-03	7.25E-03	2.32E-06	7.02E-06	4.06E-06	4.98E-06	4.51E-06	2.06E-06	1.81E-06	0.00E+00	0.00E+00	7.47E-07	1.69E-07	1.07E-06	1.65E-07	1.40E-07	2.29E-06
5695	485726.83	3855774.11	6.70E-03	8.20E-03	7.23E-03	2.32E-06	7.00E-06	4.05E-06	4.96E-06	4.50E-06	2.05E-06	1.81E-06	0.00E+00	0.00E+00	7.45E-07	1.68E-07	1.07E-06	1.65E-07	1.40E-07	2.29E-06
5696	485801.49	3855837.57	6.63E-03	8.12E-03	7.15E-03	2.29E-06	6.93E-06	4.01E-06	4.91E-06	4.45E-06	2.03E-06	1.79E-06	0.00E+00	0.00E+00	7.38E-07	1.67E-07	1.06E-06	1.63E-07	1.39E-07	2.26E-06
5697	485876.16	3855901.04	6.63E-03	8.13E-03	7.16E-03	2.30E-06	6.93E-06	4.01E-06	4.92E-06	4.46E-06	2.03E-06	1.79E-06	0.00E+00	0.00E+00	7.38E-07	1.67E-07	1.06E-06	1.63E-07	1.39E-07	2.27E-06
5698	485950.83	3855964.5	6.59E-03	8.07E-03	7.11E-03	2.28E-06	6.89E-06	3.99E-06	4.88E-06	4.43E-06	2.02E-06	1.78E-06	0.00E+00	0.00E+00	7.34E-07	1.66E-07	1.05E-06	1.62E-07	1.38E-07	2.25E-06
5699	486025.5	3856027.97	6.50E-03	7.96E-03	7.02E-03	2.25E-06	6.79E-06	3.93E-06	4.82E-06	4.37E-06	1.99E-06	1.76E-06	0.00E+00	0.00E+00	7.24E-07	1.64E-07	1.04E-06	1.60E-07	1.36E-07	2.22E-06
5700	486100.17	3856091.44	6.64E-03	8.13E-03	7.16E-03	2.30E-06	6.94E-06	4.02E-06	4.92E-06	4.46E-06	2.03E-06	1.79E-06	0.00E+00	0.00E+00	7.39E-07	1.67E-07	1.06E-06	1.63E-07	1.39E-07	2.27E-06
5701	486174.83	3856154.9	6.51E-03	7.97E-03	7.02E-03	2.25E-06	6.80E-06	3.94E-06	4.82E-06	4.37E-06	1.99E-06	1.76E-06	0.00E+00	0.00E+00	7.24E-07	1.64E-07	1.04E-06	1.60E-07	1.36E-07	2.22E-06
5702	486249.5	3856218.37	6.19E-03	7.59E-03	6.69E-03	2.14E-06	6.47E-06	3.75E-06	4.59E-06	4.16E-06	1.90E-06	1.67E-06	0.00E+00	0.00E+00	6.90E-07	1.56E-07	9.89E-07	1.52E-07	1.30E-07	2.12E-06
5703	486324.17	3856281.84	6.13E-03	7.51E-03	6.62E-03	2.12E-06	6.41E-06	3.71E-06	4.54E-06	4.12E-06	1.88E-06	1.66E-06	0.00E+00	0.00E+00	6.82E-07	1.54E-07	9.78E-07	1.51E-07	1.28E-07	2.09E-06
5704	486398.84	3856345.3	6.35E-03	7.78E-03	6.86E-03	2.20E-06	6.64E-06	3.84E-06	4.71E-06	4.27E-06	1.95E-06	1.72E-06	0.00E+00	0.00E+00	7.07E-07	1.60E-07	1.01E-06	1.56E-07	1.33E-07	2.17E-06
5705	486473.51	3856408.77	6.41E-03	7.85E-03	6.92E-03	2.22E-06	6.70E-06	3.88E-06	4.75E-06	4.31E-06	1.96E-06	1.73E-06	0.00E+00	0.00E+00	7.13E-07	1.61E-07	1.02E-06	1.58E-07	1.34E-07	2.19E-06
5706	486548.17	3856472.24	6.52E-03	7.98E-03	7.03E-03	2.26E-06	6.81E-06	3.94E-06	4.83E-06	4.38E-06	2.00E-06	1.76E-06	0.00E+00	0.00E+00	7.25E-07	1.64E-07	1.04E-06	1.60E-07	1.36E-07	2.23E-06
5707	486622.84	3856535.7	6.57E-03	8.05E-03	7.09E-03	2.27E-06	6.87E-06	3.98E-06	4.87E-06	4.42E-06	2.01E-06	1.78E-06	0.00E+00	0.00E+00	7.32E-07	1.65E-07	1.05E-06	1.62E-07	1.37E-07	2.25E-06
5708	486765.48	3856659.69	6.62E-03	8.11E-03	7.14E-03	2.29E-06	6.92E-06	4.01E-06	4.91E-06	4.45E-06	2.03E-06	1.79E-06	0.00E+00	0.00E+00	7.37E-07	1.67E-07	1.06E-06	1.63E-07	1.38E-07	2.26E-06
5709	486833.44	3856720.2	6.68E-03	8.18E-03	7.21E-03	2.31E-06	6.98E-06	4.04E-06	4.95E-06	4.49E-06	2.05E-06	1.80E-06	0.00E+00	0.00E+00	7.43E-07	1.68E-07	1.07E-06	1.64E-07	1.40E-07	2.28E-06
5710	486901.41	3856780.72	6.67E-03	8.17E-03	7.20E-03	2.31E-06	6.98E-06	4.04E-06	4.95E-06	4.48E-06	2.05E-06	1.80E-06	0.00E+00	0.00E+00	7.43E-07	1.68E-07	1.07E-06	1.64E-07	1.40E-07	2.28E-06
5711	486969.38	3856841.24	6.66E-03	8.15E-03	7.18E-03	2.30E-06	6.96E-06	4.03E-06	4.93E-06	4.47E-06	2.04E-06	1.80E-06	0.00E+00	0.00E+00	7.41E-07	1.67E-07	1.06E-06	1.64E-07	1.39E-07	2.27E-06
5712	487037.34	3856901.75	6.59E-03	8.08E-03	7.11E-03	2.28E-06	6.89E-06	3.99E-06	4.89E-06	4.43E-06	2.02E-06	1.78E-06	0.00E+00	0.00E+00	7.34E-07	1.66E-07	1.05E-06	1.62E-07	1.38E-07	2.25E-06
5713	487271.23	3856855.51	3.59E-03	4.39E-03	3.86E-03	1.24E-06	3.75E-06	2.17E-06	2.66E-06	2.41E-06	1.10E-06	9.67E-07	0.00E+00	0.00E+00	3.99E-07	9.02E-08	5.72E-07	8.82E-08	7.49E-08	1.22E-06
5714	487368.96	3856857.29	3.13E-03	3.83E-03	3.37E-03	1.08E-06	3.27E-06	1.89E-06	2.32E-06	2.10E-06	9.59E-07	8.44E-07	0.00E+00	0.00E+00	3.48E-07	7.87E-08	4.99E-07	7.70E-08	6.53E-08	1.07E-06
5715	487466.68	3856859.06	2.78E-03	3.40E-03	2.99E-03	9.61E-07	2.90E-06	1.68E-06	2.06E-06	1.86E-06	8.51E-07	7.48E-07	0.00E+00	0.00E+00	3.09E-07	6.98E-08	4.43E-07	6.83E-08	5.79E-08	9.48E-07
5716	487636.44	3856930	2.40E-03	2.93E-03	2.57E-03	8.29E-07	2.50E-06	1.45E-06	1.77E-06	1.61E-06	7.34E-07	6.43E-07	0.00E+00	0.00E+00	2.67E-07	6.02E-08	3.82E-07	5.90E-08	4.98E-08	8.18E-07
5717	487709.57	3856928.43	2.24E-03	2.74E-03	2.40E-03	7.75E-07	2.34E-06	1.35E-06	1.66E-06	1.50E-06	6.86E-07	6.01E-07	0.00E+00	0.00E+00	2.49E-07	5.63E-08	3.57E-07	5.51E-08	4.66E-08	7.65E-07
5718	487782.55	3856841.96	2.05E-03	2.51E-03	2.20E-03	7.09E-07	2.14E-06	1.24E-06	1.52E-06	1.38E-06	6.28E-07	5.51E-07	0.00E+00	0.00E+00	2.28E-07	5.15E-08	3.27E-07	5.04E-08	4.27E-08	7.00E-07
5719	487849.83	3856754.74	1.88E-03	2.30E-03	2.02E-03	6.51E-07	1.97E-06	1.14E-06	1.39E-06	1.26E-06	5.77E-07	5.06E-07	0.00E+00	0.00E+00	2.09E-07	4.73E-08	3.00E-07	4.63E-08	3.92E-08	6.42E-07
5720	487918.03	3856819.39	1.84E-03	2.25E-03	1.97E-03	6.36E-07	1.92E-06	1.11E-06	1.36E-06	1.23E-06	5.63E-07	4.94E-07	0.00E+00	0.00E+00	2.04E-07	4.62E-08	2.93E-07	4.52E-08	3.82E-08	6.27E-07
5721	487918.8	3856886.37	1.87E-03	2.30E-03	2.01E-03	6.49E-07	1.96E-06	1.13E-06	1.39E-06	1.26E-06	5.75E-07	5.03E-07	0.00E+00	0.00E+00	2.09E-07	4.71E-08	2.99E-07	4.61E-08	3.90E-08	6.40E-07
5722	488065.47	3857127.51	1.84E-03	2.25E-03	1.95E-03	6.36E-07	1.92E-06	1.11E-06	1.36E-06	1.23E-06	5.63E-07	4.89E-07	0.00E+00	0.00E+00	2.04E-07	4.62E-08	2.93E-07	4.52E-08	3.79E-08	6.27E-07
5723	488192.19	3857385.84	1.80E-03	2.20E-03	1.91E-03	6.22E-07	1.88E-06	1.09E-06	1.33E-06	1.21E-06	5.51E-07	4.78E-07	0.00E+00	0.00E+00	2.00E-07	4.52E-08	2.87E-07	4.42E-08	3.70E-08	6.13E-07
5724	488191.22	3857473.87	1.83E-03	2.25E-03	1.95E-03	6.35E-07	1.92E-06	1.11E-06	1.36E-06	1.23E-06	5.62E-07	4.89E-07	0.00E+00	0.00E+00	2.04E-07	4.61E-08	2.93E-07	4.51E-08	3.78E-08	6.26E-07
5725	488190.24	3857561.91	1.87E-03	2.29E-03	2.00E-03	6.49E-07	1.96E-06	1.13E-06	1.39E-06	1.26E-06	5.74E-07	5.01E-07	0.00E+00	0.00E+00	2.09E-07	4.71E-08	2.99E-07	4.61E-08	3.88E-08	6.40E-07
5726	488158.35	3857691.13	1.99E-03	2.43E-03	2.13E-03	6.87E-07	2.08E-06	1.20E-06	1.47E-06	1.33E-06	6.08E-07	5.32E-07	0.00E+00	0.00E+00	2.21E-07	4.99E-08	3.17E-07	4.89E-08	4.12E-08	6.78E-07
5727	488208.37	3857816.66	1.76E-03	2.16E-03	1.89E-03	6.10E-07	1.84E-06	1.07E-06	1.31E-06	1.18E-06	5.40E-07	4.73E-07	0.00E+00	0.00E+00	1.96E-07	4.43E-08	2.81E-07	4.34E-08	3.67E-08	6.02E-07
5728	488271.97	3857874.6	1.56E-03	1.91E-03	1.68E-03	5.41E-07	1.63E-06	9.46E-07	1.16E-06	1.05E-06	4.79E-07	4.20E-07	0.00E+00	0.00E+00	1.74E-07	3.93E-08	2.49E-07	3.84E-08	3.25E-08	5.34E-07
5729	488463.56	3857942.31	1.26E-03	1.55E-03	1.36E-03	4.38E-07	1.32E-06	7.65E-07	9.37E-07	8.49E-07	3.87E-07	3.40E-07	0.00E+00	0.00E+00	1.41E-07	3.18E-08	2.02E-07	3.11E-08	2.63E-08	4.32E-07
5730	488554.83	3857940.83	1.19E-03	1.45E-03	1.27E-03	4.11E-07	1.24E-06	7.18E-07	8.79E-07	7.97E-07	3.64E-07	3.19E-07	0.00E+00	0.00E+00	1.32E-07	2.98E-08	1.89E-07	2.92E-08	2.47E-08	4.05E-07
5731	488646.1	3857939.36	1.12E-03	1.37E-03	1.20E-03	3.88E-07	1.17E-06	6.78E-07	8.30E-07	7.52E-07	3.43E-07	3.01E-07	0.00E+00	0.00E+00	1.25E-07	2.82E-08	1.79E-07	2.76E-08	2.33E-08	3.82E-07
5732	488737.37	3857937.88	1.06E-03	1.30E-03	1.14E-03	3.67E-07	1.11E-06	6.42E-07	7.86E-07	7.13E-07	3.25E-07	2.85E-07	0.00E+00	0.00E+00	1.18E-07	2.67E-08	1.69E-07	2.61E-08	2.21E-08	3.62E-07
5733	488733.59	3857960.57	1.05E-03	1.29E-03	1.13E-03	3.65E-07	1.10E-06	6.38E-07	7.81E-07	7.08E-07	3.23E-07	2.83E-07	0.00E+00	0.00E+00	1.17E-07	2.65E-08	1.68E-07	2.59E-08	2.19E-08	3.60E-07
5734	488638.09	3857961.57	1.11E-03	1.36E-03	1.20E-03	3.86E-07	1.17E-06	6.74E-07	8.26E-07	7.49E-07	3.42E-07	2.99E-07	0.00E+00	0.00E+00	1.24E-07	2.80E-08	1.78E-07	2.74E-08	2.32E-08	3.81E-07
5735	488542.6	3857962.56	1.18E-03	1.45E-03	1.27E-03	4.10E-07	1.24E-06	7.17E-07	8.77E-07	7.95E-07	3.63E-07	3.18E-07	0.00E+00	0.00E+00	1.32E-07	2.98E-08	1.89E-07	2.91E-08	2.46E-08	4.04E-07

5736	488447.1	3857963.56	1.27E-03	1.55E-03	1.36E-03	4.38E-07	1.32E-06	7.66E-07	9.38E-07	8.50E-07	3.88E-07	3.40E-07	0.00E+00	0.00E+00	1.41E-07	3.18E-08	2.02E-07	3.11E-08	2.63E-08	4.32E-07
5737	488254.28	3857890.36	1.57E-03	1.92E-03	1.68E-03	5.43E-07	1.64E-06	9.49E-07	1.16E-06	1.05E-06	4.81E-07	4.22E-07	0.00E+00	0.00E+00	1.75E-07	3.95E-08	2.50E-07	3.86E-08	3.26E-08	5.36E-07
5738	488191.69	3857833.06	1.77E-03	2.17E-03	1.90E-03	6.14E-07	1.85E-06	1.07E-06	1.31E-06	1.19E-06	5.44E-07	4.77E-07	0.00E+00	0.00E+00	1.98E-07	4.46E-08	2.83E-07	4.37E-08	3.69E-08	6.06E-07
5739	488129.5	3857907.43	1.77E-03	2.16E-03	1.90E-03	6.12E-07	1.85E-06	1.07E-06	1.31E-06	1.19E-06	5.41E-07	4.75E-07	0.00E+00	0.00E+00	1.97E-07	4.44E-08	2.82E-07	4.35E-08	3.68E-08	6.03E-07
5740	488196.47	3857968.74	1.56E-03	1.91E-03	1.67E-03	5.39E-07	1.63E-06	9.43E-07	1.15E-06	1.05E-06	4.77E-07	4.19E-07	0.00E+00	0.00E+00	1.73E-07	3.92E-08	2.49E-07	3.83E-08	3.24E-08	5.32E-07
5741	488263.44	3858030.04	1.43E-03	1.75E-03	1.53E-03	4.94E-07	1.49E-06	8.63E-07	1.06E-06	9.58E-07	4.37E-07	3.84E-07	0.00E+00	0.00E+00	1.59E-07	3.59E-08	2.28E-07	3.51E-08	2.97E-08	4.87E-07
5742	488400.64	3858132.9	1.28E-03	1.57E-03	1.38E-03	4.43E-07	1.34E-06	7.74E-07	9.47E-07	8.59E-07	3.92E-07	3.44E-07	0.00E+00	0.00E+00	1.42E-07	3.22E-08	2.04E-07	3.15E-08	2.67E-08	4.37E-07
5743	488519.89	3858218.38	1.23E-03	1.50E-03	1.32E-03	4.24E-07	1.28E-06	7.41E-07	9.08E-07	8.23E-07	3.76E-07	3.30E-07	0.00E+00	0.00E+00	1.36E-07	3.08E-08	1.96E-07	3.02E-08	2.56E-08	4.18E-07
5744	488647.97	3858214.99	1.09E-03	1.34E-03	1.18E-03	3.79E-07	1.14E-06	6.62E-07	8.11E-07	7.35E-07	3.35E-07	2.95E-07	0.00E+00	0.00E+00	1.22E-07	2.75E-08	1.75E-07	2.69E-08	2.28E-08	3.74E-07
5745	488727.05	3858167.67	1.02E-03	1.25E-03	1.10E-03	3.54E-07	1.07E-06	6.18E-07	7.57E-07	6.86E-07	3.13E-07	2.75E-07	0.00E+00	0.00E+00	1.14E-07	2.57E-08	1.63E-07	2.51E-08	2.13E-08	3.49E-07
5746	488806.12	3858120.35	9.73E-04	1.19E-03	1.05E-03	3.37E-07	1.02E-06	5.89E-07	7.21E-07	6.54E-07	2.98E-07	2.62E-07	0.00E+00	0.00E+00	1.08E-07	2.45E-08	1.55E-07	2.40E-08	2.03E-08	3.32E-07
5747	488885.2	3858073.03	9.40E-04	1.15E-03	1.01E-03	3.26E-07	9.83E-07	5.69E-07	6.97E-07	6.32E-07	2.88E-07	2.53E-07	0.00E+00	0.00E+00	1.05E-07	2.36E-08	1.50E-07	2.31E-08	1.96E-08	3.21E-07
5748	489055.76	3857991.18	8.87E-04	1.09E-03	9.52E-04	3.07E-07	9.28E-07	5.37E-07	6.58E-07	5.96E-07	2.72E-07	2.38E-07	0.00E+00	0.00E+00	9.88E-08	2.23E-08	1.42E-07	2.18E-08	1.85E-08	3.03E-07
5749	489245.39	3857944.55	8.34E-04	1.02E-03	8.94E-04	2.89E-07	8.71E-07	5.04E-07	6.18E-07	5.60E-07	2.55E-07	2.24E-07	0.00E+00	0.00E+00	9.28E-08	2.10E-08	1.33E-07	2.05E-08	1.73E-08	2.85E-07
5750	489430.63	3857930.91	7.78E-04	9.53E-04	8.35E-04	2.69E-07	8.14E-07	4.71E-07	5.77E-07	5.23E-07	2.39E-07	2.09E-07	0.00E+00	0.00E+00	8.66E-08	1.96E-08	1.24E-07	1.92E-08	1.62E-08	2.66E-07
5751	489517.74	3857929.36	7.54E-04	9.23E-04	8.08E-04	2.61E-07	7.88E-07	4.56E-07	5.58E-07	5.06E-07	2.31E-07	2.02E-07	0.00E+00	0.00E+00	8.39E-08	1.90E-08	1.20E-07	1.85E-08	1.57E-08	2.57E-07
5752	489604.86	3857927.82	7.30E-04	8.94E-04	7.83E-04	2.53E-07	7.63E-07	4.42E-07	5.41E-07	4.91E-07	2.24E-07	1.96E-07	0.00E+00	0.00E+00	8.13E-08	1.84E-08	1.17E-07	1.80E-08	1.52E-08	2.49E-07
5753	489691.97	3857926.28	7.08E-04	8.67E-04	7.59E-04	2.45E-07	7.40E-07	4.28E-07	5.25E-07	4.76E-07	2.17E-07	1.90E-07	0.00E+00	0.00E+00	7.88E-08	1.78E-08	1.13E-07	1.74E-08	1.47E-08	2.42E-07
5754	489779.08	3857924.73	6.87E-04	8.41E-04	7.37E-04	2.38E-07	7.18E-07	4.16E-07	5.09E-07	4.62E-07	2.11E-07	1.84E-07	0.00E+00	0.00E+00	7.65E-08	1.73E-08	1.10E-07	1.69E-08	1.43E-08	2.35E-07
5755	490017.55	3857875.09	6.43E-04	7.87E-04	6.89E-04	2.22E-07	6.72E-07	3.89E-07	4.76E-07	4.32E-07	1.97E-07	1.72E-07	0.00E+00	0.00E+00	7.15E-08	1.62E-08	1.03E-07	1.58E-08	1.34E-08	2.19E-07
5756	490033.82	3857960.81	6.25E-04	7.65E-04	6.70E-04	2.16E-07	6.53E-07	3.78E-07	4.63E-07	4.20E-07	1.91E-07	1.68E-07	0.00E+00	0.00E+00	6.95E-08	1.57E-08	9.97E-08	1.54E-08	1.30E-08	2.13E-07
5757	489959.15	3857987.49	6.35E-04	7.78E-04	6.81E-04	2.20E-07	6.64E-07	3.84E-07	4.71E-07	4.27E-07	1.95E-07	1.70E-07	0.00E+00	0.00E+00	7.07E-08	1.60E-08	1.01E-07	1.56E-08	1.32E-08	2.17E-07
5758	489791.49	3858016.12	6.66E-04	8.16E-04	7.15E-04	2.31E-07	6.96E-07	4.03E-07	4.94E-07	4.47E-07	2.04E-07	1.79E-07	0.00E+00	0.00E+00	7.42E-08	1.68E-08	1.06E-07	1.64E-08	1.38E-08	2.27E-07
5759	489698.51	3858018.07	6.87E-04	8.42E-04	7.37E-04	2.38E-07	7.18E-07	4.16E-07	5.09E-07	4.62E-07	2.11E-07	1.85E-07	0.00E+00	0.00E+00	7.65E-08	1.73E-08	1.10E-07	1.69E-08	1.43E-08	2.35E-07
5760	489605.52	3858020.02	7.10E-04	8.69E-04	7.61E-04	2.46E-07	7.42E-07	4.29E-07	5.26E-07	4.77E-07	2.18E-07	1.91E-07	0.00E+00	0.00E+00	7.90E-08	1.79E-08	1.13E-07	1.75E-08	1.48E-08	2.42E-07
5761	489512.53	3858021.96	7.34E-04	8.98E-04	7.87E-04	2.54E-07	7.67E-07	4.44E-07	5.44E-07	4.93E-07	2.25E-07	1.97E-07	0.00E+00	0.00E+00	8.17E-08	1.85E-08	1.17E-07	1.81E-08	1.53E-08	2.50E-07
5762	489419.55	3858023.91	7.59E-04	9.29E-04	8.14E-04	2.63E-07	7.93E-07	4.59E-07	5.62E-07	5.10E-07	2.33E-07	2.04E-07	0.00E+00	0.00E+00	8.45E-08	1.91E-08	1.21E-07	1.87E-08	1.58E-08	2.59E-07
5763	489228.47	3858041.29	8.13E-04	9.96E-04	8.73E-04	2.81E-07	8.50E-07	4.92E-07	6.02E-07	5.46E-07	2.49E-07	2.18E-07	0.00E+00	0.00E+00	9.05E-08	2.04E-08	1.30E-07	2.00E-08	1.69E-08	2.78E-07
5764	489065.75	3858085.78	8.59E-04	1.05E-03	9.23E-04	2.98E-07	8.98E-07	5.20E-07	6.37E-07	5.77E-07	2.63E-07	2.31E-07	0.00E+00	0.00E+00	9.57E-08	2.16E-08	1.37E-07	2.12E-08	1.79E-08	2.93E-07
5765	489001.12	3858114.86	8.79E-04	1.08E-03	9.45E-04	3.04E-07	9.19E-07	5.32E-07	6.52E-07	5.91E-07	2.70E-07	2.36E-07	0.00E+00	0.00E+00	9.79E-08	2.21E-08	1.40E-07	2.16E-08	1.83E-08	3.00E-07
5766	488861.89	3858189.81	9.41E-04	1.15E-03	1.01E-03	3.26E-07	9.84E-07	5.69E-07	6.97E-07	6.32E-07	2.88E-07	2.53E-07	0.00E+00	0.00E+00	1.05E-07	2.37E-08	1.50E-07	2.32E-08	1.96E-08	3.21E-07
5767	488787.29	3858235.69	9.95E-04	1.22E-03	1.07E-03	3.44E-07	1.04E-06	6.02E-07	7.37E-07	6.68E-07	3.05E-07	2.68E-07	0.00E+00	0.00E+00	1.11E-07	2.50E-08	1.59E-07	2.45E-08	2.07E-08	3.40E-07
5768	488712.68	3858281.57	1.07E-03	1.31E-03	1.16E-03	3.71E-07	1.12E-06	6.49E-07	7.95E-07	7.21E-07	3.29E-07	2.89E-07	0.00E+00	0.00E+00	1.19E-07	2.70E-08	1.71E-07	2.64E-08	2.24E-08	3.67E-07
5769	488654.39	3858436.17	1.36E-03	1.66E-03	1.46E-03	4.70E-07	1.42E-06	8.21E-07	1.01E-06	9.12E-07	4.16E-07	3.66E-07	0.00E+00	0.00E+00	1.51E-07	3.41E-08	2.17E-07	3.34E-08	2.84E-08	4.64E-07
5770	488726.31	3858505.26	1.37E-03	1.68E-03	1.48E-03	4.76E-07	1.44E-06	8.31E-07	1.02E-06	9.23E-07	4.21E-07	3.71E-07	0.00E+00	0.00E+00	1.53E-07	3.46E-08	2.19E-07	3.38E-08	2.87E-08	4.69E-07
5771	488880.6	3858599.28	1.27E-03	1.55E-03	1.37E-03	4.39E-07	1.33E-06	7.68E-07	9.41E-07	8.53E-07	3.89E-07	3.42E-07	0.00E+00	0.00E+00	1.41E-07	3.19E-08	2.03E-07	3.12E-08	2.65E-08	4.34E-07
5772	489008.06	3858714.75	1.25E-03	1.54E-03	1.35E-03	4.34E-07	1.31E-06	7.59E-07	9.30E-07	8.43E-07	3.85E-07	3.39E-07	0.00E+00	0.00E+00	1.40E-07	3.16E-08	2.00E-07	3.09E-08	2.62E-08	4.29E-07
5773	489071.48	3858772.72	1.19E-03	1.46E-03	1.29E-03	4.13E-07	1.25E-06	7.23E-07	8.86E-07	8.03E-07	3.66E-07	3.22E-07	0.00E+00	0.00E+00	1.33E-07	3.01E-08	1.91E-07	2.94E-08	2.50E-08	4.08E-07
5774	489244.6	3858920.2	6.64E-04	8.14E-04	7.16E-04	2.30E-07	6.94E-07	4.02E-07	4.92E-07	4.46E-07	2.04E-07	1.79E-07	0.00E+00	0.00E+00	7.39E-08	1.67E-08	1.06E-07	1.64E-08	1.39E-08	2.27E-07
5775	489239.69	3858952.23	6.05E-04	7.42E-04	6.52E-04	2.10E-07	6.33E-07	3.66E-07	4.49E-07	4.07E-07	1.86E-07	1.63E-07	0.00E+00	0.00E+00	6.74E-08	1.52E-08	9.67E-08	1.49E-08	1.26E-08	2.07E-07
5776	489121.67	3858854.49	9.96E-04	1.22E-03	1.07E-03	3.45E-07	1.04E-06	6.03E-07	7.38E-07	6.69E-07	3.05E-07	2.69E-07	0.00E+00	0.00E+00	1.11E-07	2.51E-08	1.59E-07	2.45E-08	2.08E-08	3.40E-07
5777	489059.59	3858797.27	1.25E-03	1.53E-03	1.35E-03	4.32E-07	1.31E-06	7.56E-07	9.26E-07	8.39E-07	3.83E-07	3.37E-07	0.00E+00	0.00E+00	1.39E-07	3.14E-08	1.99E-07	3.08E-08	2.61E-08	4.27E-07
5778	488997.52	3858740.04	1.34E-03	1.64E-03	1.45E-03	4.64E-07	1.40E-06	8.11E-07	9.94E-07	9.01E-07	4.11E-07	3.62E-07	0.00E+00	0.00E+00	1.49E-07	3.37E-08	2.14E-07	3.30E-08	2.80E-08	4.58E-07
5779	488935.44	3858682.82	1.35E-03	1.66E-03	1.46E-03	4.68E-07	1.41E-06	8.19E-07	1.00E-06	9.09E-07	4.15E-07	3.65E-07	0.00E+00	0.00E+00	1.51E-07	3.41E-08	2.16E-07	3.33E-08	2.83E-08	4.62E-07
5780	488869.17	3858848.43	3.28E-03	4.02E-03	3.54E-03	1.14E-06	3.43E-06	1.99E-06	2.43E-06	2.21E-06	1.01E-06	8.87E-07	0.00E+00	0.00E+00	3.65E-07	8.26E-08	5.24E-07	8.08E-08	6.87E-08	1.12E-06
5781	488932.48	3858892.69	1.58E-03	1.94E-03	1.71E-03	5.49E-07	1.66E-06	9.59E-07	1.17E-06	1.06E-06	4.86E-07	4.28E-07	0.00E+00	0.00E+00	1.76E-07	3.99E-08	2.53E-07	3.90E-08	3.31E-08	5.41E-07
5782	489063.27	3858977.17	6.20E-04	7.59E-04	6.68E-04	2.15E-07	6.48E-07	3.75E-07	4.60E-07	4.17E-07	1.90E-07	1.67E-07	0.00E+00	0.00E+00	6.90E-08	1.56E-08	9.90E-08	1.53E-08	1.29E-08	2.12E-07
5783	489248.2	3859117.15	3.68E-04	4.50E-04	3.96E-04	1.27E-07	3.84E-07	2.22E-07	2.73E-07	2.47E-07	1.13E-07	9.90E-08	0.00E+00	0.00E+00	4.09E-08	9.25E-09	5.87E-08	9.05E-09	7.67E-09	1.26E-07
5784	489296.25	3859049.22	4.39E-04	5.37E-04	4.72E-04	1.52E-07	4.58E-07	2.65E-07	3.25E-07	2.95E-07	1.34E-07	1.18E-07	0.00E+00	0.00E+00	4.88E-08	1.10E-08	7.00E-08	1.08E-08	9.15E-09	1.50E-07
5785	489353.38	3858993.97	4.95E-04	6.06E-04	5.33E-04	1.71E-07	5.17E-07	2.99E-07	3.67E-07	3.32E-07	1.52E-07	1.33E-07	0.00E+00	0.00E+00	5.51E-08	1.24E-08	7.90E-08	1.22E-08	1.03E-08	1.69E-07
5786	489537.25	3859120.22	3.53E-04	4.33E-04	3.80E-04	1.22E-07	3.69E-07	2.14E-07	2.62E-07	2.38E-07	1.08E-07	9.52E-08	0.00E+00	0.00E+00	3.93E-08	8.89E-09	5.64E-08	8.70E-09	7.37E-09	1.21E-07
5787	489726.98	3859246.04	2.82E-04	3.45E-04	3.03E-04	9.75E-08	2.94E-07	1.70E-07	2.09E-07	1.89E-07	8.64E-08	7.58E-08	0.00E+00	0.00E+00	3.14E-08	7.09E-09	4.50E-08	6.93E-09	5.87E-09	9.62E-08
5788	489911.46	3859366.33	2.39E-04	2.93E-04	2.57E-04	8.27E-08	2.50E-07	1.45E-07	1.77E-07	1.60E-07	7.32E-08	6.43E-08	0.00E+00	0.00E+00	2.66E-08	6.01E-09	3.81E-08	5.88E-09	4.98E-09	8.16E-08
5789	490035.3	3859430.26	2.21E-04	2.70E-04	2.37E-04	7.63E-08	2.31E-07	1.33E-07	1.63E-07	1.48E-07	6.76E-08	5.93E-08	0.00E+00	0.00E+00	2.46E-08	5.55E-09	3.52E-08	5.43E-09	4.59E-09	7.53E-08
5790	490101.11	3859458.61	2.14E-04	2.62E-04	2.29E-04	7.39E-08	2.23E-07	1.29E-07	1.58E-07	1.43E-07	6.55E-08	5.74E-08	0.00E+00	0.00E+00	2.38E-08	5.37E-09	3.41E-08	5.26E-09	4.45E-09	7.29E-08
5791	490312.68	3859560.3	1.92E-04	2.35E-04	2.06E-04	6.65E-08	2.01E-07	1.16E-07	1.42E-07	1.29E-07	5.89E-08	5.17E-08	0.00E+00	0.00E+00	2.14E-08	4.83E-09	3.07E-08	4.73E-09	4.00E-09	6.56E-08
5792	490401.63	3859603.12	1.85E-04	2.26E-04	1.98E-04	6.39E-08	1.93E-07	1.12E-07	1.37E-07	1.24E-07	5.66E-08	4.96E-08	0.00E+00	0.00E+00	2.05E-08	4.64E-09	2.95E-08	4.54E-09	3.84E-09	6.30E-08
5793	490490.57	3859645.94	1.78E-04	2.18E-04	1.91E-04	6.15E-08	1.86E-07	1.08E-07	1.32E-07	1.19E-07	5.45E-08	4.78E-08	0.00E+00	0.00E+00	1.98E-08	4.47E-09	2.84E-08	4.38E-09	3.70E-09	6.07E-08

5794	490579.51	3859688.76	1.72E-04	2.10E-04	1.84E-04	5.94E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.26E-08	4.61E-08	0.00E+00	0.00E+00	1.91E-08	4.32E-09	2.74E-08	4.22E-09	3.57E-09	5.86E-08
5795	490668.45	3859731.58	1.66E-04	2.04E-04	1.79E-04	5.76E-08	1.74E-07	1.01E-07	1.23E-07	1.12E-07	5.10E-08	4.47E-08	0.00E+00	0.00E+00	1.85E-08	4.18E-09	2.65E-08	4.09E-09	3.46E-09	5.68E-08
5796	490757.4	3859774.4	1.61E-04	1.97E-04	1.72E-04	5.56E-08	1.68E-07	9.71E-08	1.19E-07	1.08E-07	4.92E-08	4.32E-08	0.00E+00	0.00E+00	1.79E-08	4.04E-09	2.56E-08	3.95E-09	3.34E-09	5.48E-08
5797	491003.53	3859861.82	1.50E-04	1.84E-04	1.62E-04	5.20E-08	1.57E-07	9.10E-08	1.11E-07	1.01E-07	4.61E-08	4.04E-08	0.00E+00	0.00E+00	1.67E-08	3.78E-09	2.40E-08	3.70E-09	3.13E-09	5.14E-08
5798	491081.41	3859879.05	1.48E-04	1.82E-04	1.59E-04	5.13E-08	1.55E-07	8.97E-08	1.10E-07	9.96E-08	4.55E-08	3.99E-08	0.00E+00	0.00E+00	1.65E-08	3.73E-09	2.37E-08	3.65E-09	3.09E-09	5.06E-08
5799	491229.76	3859917.82	1.44E-04	1.76E-04	1.55E-04	4.98E-08	1.50E-07	8.71E-08	1.07E-07	9.67E-08	4.41E-08	3.87E-08	0.00E+00	0.00E+00	1.60E-08	3.62E-09	2.30E-08	3.54E-09	3.00E-09	4.92E-08
5800	491300.22	3859939.35	1.41E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.56E-08	1.05E-07	9.51E-08	4.34E-08	3.80E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.48E-09	2.95E-09	4.83E-08
5801	491350.49	3860012.03	1.34E-04	1.64E-04	1.44E-04	4.63E-08	1.40E-07	8.09E-08	9.90E-08	8.98E-08	4.10E-08	3.59E-08	0.00E+00	0.00E+00	1.49E-08	3.36E-09	2.13E-08	3.29E-09	2.78E-09	4.56E-08
5802	491406.82	3860092.57	1.26E-04	1.55E-04	1.36E-04	4.37E-08	1.32E-07	7.64E-08	9.35E-08	8.48E-08	3.87E-08	3.39E-08	0.00E+00	0.00E+00	1.40E-08	3.17E-09	2.01E-08	3.11E-09	2.63E-09	4.31E-08
5803	491483.37	3860121.96	1.24E-04	1.52E-04	1.33E-04	4.29E-08	1.30E-07	7.50E-08	9.19E-08	8.33E-08	3.80E-08	3.33E-08	0.00E+00	0.00E+00	1.38E-08	3.12E-09	1.98E-08	3.05E-09	2.58E-09	4.24E-08
5804	491559.91	3860151.36	1.22E-04	1.49E-04	1.31E-04	4.22E-08	1.27E-07	7.37E-08	9.02E-08	8.18E-08	3.73E-08	3.27E-08	0.00E+00	0.00E+00	1.36E-08	3.06E-09	1.94E-08	3.00E-09	2.53E-09	4.16E-08
5805	491711.81	3860237.76	1.18E-04	1.45E-04	1.27E-04	4.10E-08	1.24E-07	7.17E-08	8.78E-08	7.96E-08	3.63E-08	3.18E-08	0.00E+00	0.00E+00	1.32E-08	2.98E-09	1.89E-08	2.92E-09	2.47E-09	4.05E-08
5806	491755.2	3860319.07	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.27E-09	3.73E-08
5807	491704.71	3860366.54	1.06E-04	1.30E-04	1.14E-04	3.68E-08	1.11E-07	6.43E-08	7.87E-08	7.14E-08	3.26E-08	2.86E-08	0.00E+00	0.00E+00	1.18E-08	2.67E-09	1.70E-08	2.61E-09	2.21E-09	3.63E-08
5808	491623.43	3860462.39	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.07E-08	7.43E-08	6.74E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.12E-08	2.52E-09	1.60E-08	2.47E-09	2.09E-09	3.42E-08
5809	491534.02	3860439.85	1.05E-04	1.28E-04	1.12E-04	3.63E-08	1.09E-07	6.34E-08	7.76E-08	7.04E-08	3.21E-08	2.81E-08	0.00E+00	0.00E+00	1.17E-08	2.63E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
5810	491313.95	3860268.18	1.11E-04	1.36E-04	1.19E-04	3.85E-08	1.16E-07	6.72E-08	8.23E-08	7.46E-08	3.41E-08	2.99E-08	0.00E+00	0.00E+00	1.24E-08	2.80E-09	1.77E-08	2.74E-09	2.31E-09	3.79E-08
5811	491187.12	3860143.56	1.21E-04	1.48E-04	1.30E-04	4.19E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.71E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
5812	491070.43	3860075.97	1.27E-04	1.56E-04	1.37E-04	4.41E-08	1.33E-07	7.70E-08	9.43E-08	8.55E-08	3.90E-08	3.42E-08	0.00E+00	0.00E+00	1.42E-08	3.20E-09	2.03E-08	3.13E-09	2.65E-09	4.35E-08
5813	490995.09	3860039.39	1.31E-04	1.60E-04	1.40E-04	4.52E-08	1.37E-07	7.90E-08	9.68E-08	8.77E-08	4.00E-08	3.51E-08	0.00E+00	0.00E+00	1.45E-08	3.29E-09	2.08E-08	3.21E-09	2.72E-09	4.46E-08
5814	490919.75	3860002.8	1.34E-04	1.64E-04	1.44E-04	4.64E-08	1.40E-07	8.12E-08	9.94E-08	9.01E-08	4.11E-08	3.61E-08	0.00E+00	0.00E+00	1.49E-08	3.37E-09	2.14E-08	3.30E-09	2.79E-09	4.58E-08
5815	490756.81	3859894.53	1.46E-04	1.79E-04	1.57E-04	5.05E-08	1.53E-07	8.83E-08	1.08E-07	9.80E-08	4.47E-08	3.92E-08	0.00E+00	0.00E+00	1.62E-08	3.67E-09	2.33E-08	3.59E-09	3.04E-09	4.98E-08
5816	490668.07	3859860.92	1.49E-04	1.83E-04	1.60E-04	5.16E-08	1.56E-07	9.03E-08	1.11E-07	1.00E-07	4.57E-08	4.01E-08	0.00E+00	0.00E+00	1.66E-08	3.75E-09	2.38E-08	3.67E-09	3.11E-09	5.10E-08
5817	490579.34	3859827.3	1.53E-04	1.88E-04	1.64E-04	5.30E-08	1.60E-07	9.26E-08	1.13E-07	1.03E-07	4.69E-08	4.12E-08	0.00E+00	0.00E+00	1.70E-08	3.85E-09	2.44E-08	3.77E-09	3.19E-09	5.23E-08
5818	490490.6	3859793.68	1.57E-04	1.92E-04	1.68E-04	5.42E-08	1.64E-07	9.48E-08	1.16E-07	1.05E-07	4.80E-08	4.21E-08	0.00E+00	0.00E+00	1.74E-08	3.94E-09	2.50E-08	3.86E-09	3.26E-09	5.35E-08
5819	490401.86	3859760.07	1.61E-04	1.97E-04	1.73E-04	5.56E-08	1.68E-07	9.72E-08	1.19E-07	1.08E-07	4.92E-08	4.32E-08	0.00E+00	0.00E+00	1.79E-08	4.04E-09	2.56E-08	3.95E-09	3.34E-09	5.49E-08
5820	490313.12	3859726.45	1.65E-04	2.02E-04	1.78E-04	5.72E-08	1.73E-07	1.00E-07	1.22E-07	1.11E-07	5.06E-08	4.44E-08	0.00E+00	0.00E+00	1.84E-08	4.16E-09	2.64E-08	4.07E-09	3.44E-09	5.64E-08
5821	490224.39	3859692.83	1.70E-04	2.09E-04	1.83E-04	5.89E-08	1.78E-07	1.03E-07	1.26E-07	1.14E-07	5.22E-08	4.58E-08	0.00E+00	0.00E+00	1.90E-08	4.28E-09	2.72E-08	4.19E-09	3.54E-09	5.81E-08
5822	490135.65	3859659.22	1.76E-04	2.15E-04	1.89E-04	6.09E-08	1.84E-07	1.06E-07	1.30E-07	1.18E-07	5.39E-08	4.73E-08	0.00E+00	0.00E+00	1.96E-08	4.42E-09	2.81E-08	4.33E-09	3.66E-09	6.01E-08
5823	489918.19	3859559.23	1.94E-04	2.38E-04	2.09E-04	6.72E-08	2.03E-07	1.17E-07	1.44E-07	1.30E-07	5.95E-08	5.22E-08	0.00E+00	0.00E+00	2.16E-08	4.88E-09	3.10E-08	4.78E-09	4.04E-09	6.63E-08
5824	489743.61	3859486	2.10E-04	2.57E-04	2.26E-04	7.27E-08	2.19E-07	1.27E-07	1.56E-07	1.41E-07	6.43E-08	5.65E-08	0.00E+00	0.00E+00	2.34E-08	5.28E-09	3.35E-08	5.17E-09	4.37E-09	7.17E-08
5825	489660.32	3859440.27	2.21E-04	2.70E-04	2.37E-04	7.64E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.77E-08	5.94E-08	0.00E+00	0.00E+00	2.46E-08	5.55E-09	3.52E-08	5.43E-09	4.60E-09	7.54E-08
5826	489577.04	3859394.53	2.33E-04	2.85E-04	2.51E-04	8.07E-08	2.44E-07	1.41E-07	1.73E-07	1.57E-07	7.15E-08	6.27E-08	0.00E+00	0.00E+00	2.59E-08	5.86E-09	3.72E-08	5.74E-09	4.85E-09	7.96E-08
5827	489493.75	3859348.8	2.47E-04	3.03E-04	2.65E-04	8.55E-08	2.58E-07	1.49E-07	1.83E-07	1.66E-07	7.57E-08	6.64E-08	0.00E+00	0.00E+00	2.75E-08	6.21E-09	3.94E-08	6.08E-09	5.14E-09	8.44E-08
5828	489321.28	3859240.02	2.89E-04	3.55E-04	3.11E-04	1.00E-07	3.03E-07	1.75E-07	2.15E-07	1.94E-07	8.87E-08	7.79E-08	0.00E+00	0.00E+00	3.22E-08	7.28E-09	4.62E-08	7.13E-09	6.03E-09	9.89E-08
5829	489235.41	3859193.96	3.15E-04	3.86E-04	3.39E-04	1.09E-07	3.29E-07	1.90E-07	2.33E-07	2.11E-07	9.65E-08	8.47E-08	0.00E+00	0.00E+00	3.50E-08	7.92E-09	5.02E-08	7.75E-09	6.56E-09	1.08E-07
5830	489149.54	3859147.89	3.46E-04	4.24E-04	3.72E-04	1.20E-07	3.62E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.31E-08	0.00E+00	0.00E+00	3.85E-08	8.70E-09	5.52E-08	8.52E-09	7.21E-09	1.18E-07
5831	489063.68	3859101.82	3.88E-04	4.75E-04	4.17E-04	1.34E-07	4.05E-07	2.35E-07	2.87E-07	2.60E-07	1.19E-07	1.04E-07	0.00E+00	0.00E+00	4.32E-08	9.75E-09	6.19E-08	9.54E-09	8.09E-09	1.32E-07
5832	488977.81	3859055.75	4.44E-04	5.44E-04	4.79E-04	1.54E-07	4.65E-07	2.69E-07	3.29E-07	2.99E-07	1.36E-07	1.20E-07	0.00E+00	0.00E+00	4.95E-08	1.12E-08	7.10E-08	1.09E-08	9.27E-09	1.52E-07
5833	488891.94	3859009.69	5.20E-04	6.37E-04	5.60E-04	1.80E-07	5.44E-07	3.15E-07	3.86E-07	3.50E-07	1.60E-07	1.40E-07	0.00E+00	0.00E+00	5.79E-08	1.31E-08	8.31E-08	1.28E-08	1.09E-08	1.78E-07
5834	488808	3859060.73	4.29E-04	5.25E-04	4.61E-04	1.48E-07	4.48E-07	2.59E-07	3.18E-07	2.88E-07	1.31E-07	1.15E-07	0.00E+00	0.00E+00	4.77E-08	1.08E-08	6.84E-08	1.06E-08	8.94E-09	1.46E-07
5835	488809.93	3859157.85	3.38E-04	4.14E-04	3.63E-04	1.17E-07	3.53E-07	2.04E-07	2.50E-07	2.27E-07	1.04E-07	9.09E-08	0.00E+00	0.00E+00	3.76E-08	8.50E-09	5.39E-08	8.32E-09	7.04E-09	1.15E-07
5836	488811.86	3859254.96	2.84E-04	3.48E-04	3.06E-04	9.84E-08	2.97E-07	1.72E-07	2.11E-07	1.91E-07	8.71E-08	7.65E-08	0.00E+00	0.00E+00	3.16E-08	7.15E-09	4.54E-08	6.99E-09	5.92E-09	9.71E-08
5837	488813.78	3859352.07	2.47E-04	3.03E-04	2.66E-04	8.56E-08	2.59E-07	1.50E-07	1.83E-07	1.66E-07	7.58E-08	6.66E-08	0.00E+00	0.00E+00	2.75E-08	6.22E-09	3.95E-08	6.09E-09	5.15E-09	8.45E-08
5838	488815.71	3859449.19	2.21E-04	2.70E-04	2.37E-04	7.64E-08	2.31E-07	1.34E-07	1.64E-07	1.48E-07	6.77E-08	5.94E-08	0.00E+00	0.00E+00	2.46E-08	5.56E-09	3.53E-08	5.44E-09	4.60E-09	7.54E-08
5839	488910.04	3859547.11	2.00E-04	2.46E-04	2.15E-04	6.94E-08	2.10E-07	1.21E-07	1.49E-07	1.35E-07	6.15E-08	5.39E-08	0.00E+00	0.00E+00	2.23E-08	5.04E-09	3.20E-08	4.93E-09	4.18E-09	6.85E-08
5840	489002.45	3859547.91	2.02E-04	2.47E-04	2.17E-04	6.98E-08	2.11E-07	1.22E-07	1.49E-07	1.35E-07	6.18E-08	5.42E-08	0.00E+00	0.00E+00	2.24E-08	5.07E-09	3.22E-08	4.96E-09	4.20E-09	6.89E-08
5841	489094.85	3859548.72	2.03E-04	2.49E-04	2.18E-04	7.02E-08	2.12E-07	1.23E-07	1.50E-07	1.36E-07	6.22E-08	5.46E-08	0.00E+00	0.00E+00	2.26E-08	5.10E-09	3.24E-08	4.99E-09	4.23E-09	6.93E-08
5842	489230.05	3859601.87	1.94E-04	2.38E-04	2.09E-04	6.73E-08	2.03E-07	1.18E-07	1.44E-07	1.31E-07	5.96E-08	5.23E-08	0.00E+00	0.00E+00	2.16E-08	4.89E-09	3.10E-08	4.79E-09	4.05E-09	6.64E-08
5843	489227.52	3859680.89	1.81E-04	2.22E-04	1.94E-04	6.26E-08	1.89E-07	1.09E-07	1.34E-07	1.22E-07	5.55E-08	4.87E-08	0.00E+00	0.00E+00	2.01E-08	4.55E-09	2.89E-08	4.45E-09	3.77E-09	6.18E-08
5844	489133.47	3859760.29	1.68E-04	2.06E-04	1.81E-04	5.83E-08	1.76E-07	1.02E-07	1.25E-07	1.13E-07	5.16E-08	4.53E-08	0.00E+00	0.00E+00	1.87E-08	4.24E-09	2.69E-08	4.14E-09	3.51E-09	5.75E-08
5845	489041.96	3859760.67	1.68E-04	2.05E-04	1.80E-04	5.80E-08	1.75E-07	1.01E-07	1.24E-07	1.13E-07	5.14E-08	4.51E-08	0.00E+00	0.00E+00	1.87E-08	4.22E-09	2.68E-08	4.13E-09	3.49E-09	5.72E-08
5846	488950.45	3859761.05	1.67E-04	2.04E-04	1.79E-04	5.77E-08	1.74E-07	1.01E-07	1.23E-07	1.12E-07	5.11E-08	4.48E-08	0.00E+00	0.00E+00	1.85E-08	4.19E-09	2.66E-08	4.10E-09	3.47E-09	5.69E-08
5847	488858.94	3859761.43	1.66E-04	2.03E-04	1.78E-04	5.74E-08	1.73E-07	1.00E-07	1.23E-07	1.11E-07	5.08E-08	4.46E-08	0.00E+00	0.00E+00	1.85E-08	4.17E-09	2.65E-08	4.08E-09	3.45E-09	5.66E-08
5848	488767.43	3859761.82	1.65E-04	2.02E-04	1.77E-04	5.70E-08	1.72E-07	9.96E-08	1.22E-07	1.11E-07	5.05E-08	4.43E-08	0.00E+00	0.00E+00	1.83E-08	4.14E-09	2.63E-08	4.05E-09	3.43E-09	5.62E-08
5849	488675.92	3859762.2	1.64E-04	2.01E-04	1.76E-04	5.68E-08	1.71E-07	9.93E-08	1.22E-07	1.10E-07	5.03E-08	4.41E-08	0.00E+00	0.00E+00	1.83E-08	4.13E-09	2.62E-08	4.04E-09	3.42E-09	5.60E-08
5850	488584.41	3859762.58	1.63E-04	2.00E-04	1.75E-04	5.64E-08	1.70E-07	9.86E-08	1.21E-07	1.10E-07	5.00E-08	4.38E-08	0.00E+00	0.00E+00	1.81E-08	4.10E-09	2.60E-08	4.01E-09	3.39E-09	5.57E-08
5851	488492.9	3859762.96	1.62E-04	1.99E-04	1.74E-04	5.61E-08	1.69E-07	9.81E-08	1.20E-07	1.09E-07	4.97E-08	4.36E-08	0.00E+00	0.00E+00	1.81E-08	4.08E-09	2.59E-08	3.99E-09	3.38E-09	5.54E-08

5852	488402.76	3859830.95	1.54E-04	1.88E-04	1.65E-04	5.32E-08	1.60E-07	9.29E-08	1.14E-07	1.03E-07	4.71E-08	4.13E-08	0.00E+00	0.00E+00	1.71E-08	3.86E-09	2.45E-08	3.78E-09	3.20E-09	5.24E-08
5853	488404.14	3859898.55	1.46E-04	1.79E-04	1.57E-04	5.05E-08	1.52E-07	8.82E-08	1.08E-07	9.80E-08	4.47E-08	3.92E-08	0.00E+00	0.00E+00	1.62E-08	3.67E-09	2.33E-08	3.59E-09	3.04E-09	4.98E-08
5854	488505.18	3859964.96	1.40E-04	1.71E-04	1.50E-04	4.85E-08	1.46E-07	8.47E-08	1.04E-07	9.40E-08	4.29E-08	3.76E-08	0.00E+00	0.00E+00	1.56E-08	3.52E-09	2.23E-08	3.45E-09	2.91E-09	4.78E-08
5855	488604.85	3859963.76	1.41E-04	1.72E-04	1.51E-04	4.87E-08	1.47E-07	8.51E-08	1.04E-07	9.45E-08	4.31E-08	3.78E-08	0.00E+00	0.00E+00	1.57E-08	3.54E-09	2.24E-08	3.46E-09	2.93E-09	4.80E-08
5856	488704.51	3859962.56	1.42E-04	1.73E-04	1.52E-04	4.90E-08	1.48E-07	8.56E-08	1.05E-07	9.51E-08	4.34E-08	3.81E-08	0.00E+00	0.00E+00	1.58E-08	3.56E-09	2.26E-08	3.48E-09	2.95E-09	4.83E-08
5857	488804.18	3859961.37	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.63E-08	1.06E-07	9.58E-08	4.37E-08	3.83E-08	0.00E+00	0.00E+00	1.59E-08	3.59E-09	2.28E-08	3.51E-09	2.97E-09	4.87E-08
5858	488903.85	3859960.17	1.44E-04	1.76E-04	1.54E-04	4.97E-08	1.50E-07	8.69E-08	1.06E-07	9.65E-08	4.40E-08	3.86E-08	0.00E+00	0.00E+00	1.60E-08	3.61E-09	2.29E-08	3.54E-09	2.99E-09	4.91E-08
5859	489003.52	3859958.97	1.45E-04	1.77E-04	1.55E-04	5.00E-08	1.51E-07	8.74E-08	1.07E-07	9.71E-08	4.43E-08	3.89E-08	0.00E+00	0.00E+00	1.61E-08	3.63E-09	2.31E-08	3.56E-09	3.01E-09	4.94E-08
5860	489103.18	3859957.77	1.45E-04	1.78E-04	1.56E-04	5.03E-08	1.52E-07	8.79E-08	1.08E-07	9.76E-08	4.45E-08	3.91E-08	0.00E+00	0.00E+00	1.62E-08	3.65E-09	2.32E-08	3.58E-09	3.02E-09	4.96E-08
5861	489201.48	3860046.59	1.38E-04	1.69E-04	1.48E-04	4.76E-08	1.44E-07	8.32E-08	1.02E-07	9.24E-08	4.22E-08	3.70E-08	0.00E+00	0.00E+00	1.53E-08	3.46E-09	2.20E-08	3.39E-09	2.86E-09	4.70E-08
5862	489200.11	3860136.61	1.30E-04	1.59E-04	1.39E-04	4.49E-08	1.36E-07	7.85E-08	9.62E-08	8.72E-08	3.98E-08	3.49E-08	0.00E+00	0.00E+00	1.44E-08	3.26E-09	2.07E-08	3.19E-09	2.70E-09	4.43E-08
5863	489198.74	3860226.63	1.23E-04	1.50E-04	1.32E-04	4.25E-08	1.28E-07	7.43E-08	9.10E-08	8.25E-08	3.76E-08	3.30E-08	0.00E+00	0.00E+00	1.37E-08	3.09E-09	1.96E-08	3.02E-09	2.56E-09	4.19E-08
5864	489197.38	3860316.66	1.16E-04	1.42E-04	1.25E-04	4.02E-08	1.22E-07	7.04E-08	8.62E-08	7.81E-08	3.56E-08	3.13E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.86E-08	2.86E-09	2.42E-09	3.97E-08
5865	489196.01	3860406.68	1.11E-04	1.35E-04	1.19E-04	3.83E-08	1.16E-07	6.69E-08	8.20E-08	7.43E-08	3.39E-08	2.97E-08	0.00E+00	0.00E+00	1.23E-08	2.78E-09	1.77E-08	2.72E-09	2.30E-09	3.78E-08
5866	489194.64	3860496.7	1.05E-04	1.29E-04	1.13E-04	3.63E-08	1.10E-07	6.35E-08	7.78E-08	7.05E-08	3.22E-08	2.82E-08	0.00E+00	0.00E+00	1.17E-08	2.64E-09	1.67E-08	2.58E-09	2.18E-09	3.58E-08
5867	489193.27	3860586.72	1.00E-04	1.23E-04	1.08E-04	3.47E-08	1.05E-07	6.06E-08	7.42E-08	6.73E-08	3.07E-08	2.69E-08	0.00E+00	0.00E+00	1.11E-08	2.52E-09	1.60E-08	2.46E-09	2.08E-09	3.42E-08
5868	489092.02	3860678.13	9.50E-05	1.16E-04	1.02E-04	3.29E-08	9.93E-08	5.75E-08	7.04E-08	6.38E-08	2.91E-08	2.55E-08	0.00E+00	0.00E+00	1.06E-08	2.39E-09	1.52E-08	2.34E-09	1.98E-09	3.24E-08
5869	488992.13	3860679.53	9.43E-05	1.15E-04	1.01E-04	3.26E-08	9.85E-08	5.70E-08	6.99E-08	6.33E-08	2.89E-08	2.53E-08	0.00E+00	0.00E+00	1.05E-08	2.37E-09	1.50E-08	2.32E-09	1.96E-09	3.22E-08
5870	488892.25	3860680.92	9.38E-05	1.15E-04	1.01E-04	3.25E-08	9.80E-08	5.68E-08	6.95E-08	6.30E-08	2.88E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.36E-09	1.50E-08	2.31E-09	1.95E-09	3.20E-08
5871	488792.36	3860682.31	9.34E-05	1.14E-04	1.00E-04	3.23E-08	9.76E-08	5.65E-08	6.92E-08	6.27E-08	2.86E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.94E-09	3.19E-08
5872	488692.48	3860683.7	9.32E-05	1.14E-04	1.00E-04	3.23E-08	9.75E-08	5.64E-08	6.91E-08	6.26E-08	2.86E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.94E-09	3.18E-08
5873	488592.59	3860685.1	9.28E-05	1.14E-04	9.97E-05	3.21E-08	9.70E-08	5.62E-08	6.88E-08	6.24E-08	2.85E-08	2.50E-08	0.00E+00	0.00E+00	1.03E-08	2.33E-09	1.48E-08	2.28E-09	1.93E-09	3.17E-08
5874	488492.71	3860686.49	9.33E-05	1.14E-04	1.00E-04	3.23E-08	9.75E-08	5.64E-08	6.91E-08	6.27E-08	2.86E-08	2.51E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.94E-09	3.19E-08
5875	488299.07	3860762.18	9.19E-05	1.13E-04	9.87E-05	3.18E-08	9.61E-08	5.56E-08	6.81E-08	6.17E-08	2.82E-08	2.47E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.47E-08	2.26E-09	1.91E-09	3.14E-08
5876	488205.32	3860764.09	9.13E-05	1.12E-04	9.81E-05	3.16E-08	9.54E-08	5.52E-08	6.76E-08	6.13E-08	2.80E-08	2.45E-08	0.00E+00	0.00E+00	1.02E-08	2.30E-09	1.46E-08	2.25E-09	1.90E-09	3.12E-08
5877	488111.56	3860766	9.04E-05	1.11E-04	9.71E-05	3.13E-08	9.45E-08	5.47E-08	6.70E-08	6.07E-08	2.77E-08	2.43E-08	0.00E+00	0.00E+00	1.01E-08	2.27E-09	1.44E-08	2.22E-09	1.88E-09	3.09E-08
5878	488017.81	3860767.91	8.95E-05	1.10E-04	9.61E-05	3.10E-08	9.35E-08	5.41E-08	6.63E-08	6.01E-08	2.74E-08	2.41E-08	0.00E+00	0.00E+00	9.96E-09	2.25E-09	1.43E-08	2.20E-09	1.86E-09	3.06E-08
5879	487924.06	3860769.81	8.88E-05	1.09E-04	9.54E-05	3.07E-08	9.28E-08	5.37E-08	6.58E-08	5.96E-08	2.72E-08	2.39E-08	0.00E+00	0.00E+00	9.88E-09	2.23E-09	1.42E-08	2.19E-09	1.85E-09	3.03E-08
5880	487830.31	3860771.72	8.83E-05	1.08E-04	9.49E-05	3.06E-08	9.23E-08	5.34E-08	6.54E-08	5.93E-08	2.71E-08	2.37E-08	0.00E+00	0.00E+00	9.83E-09	2.22E-09	1.41E-08	2.17E-09	1.84E-09	3.02E-08
5881	487736.55	3860773.63	8.80E-05	1.08E-04	9.46E-05	3.05E-08	9.20E-08	5.33E-08	6.52E-08	5.91E-08	2.70E-08	2.37E-08	0.00E+00	0.00E+00	9.80E-09	2.21E-09	1.41E-08	2.17E-09	1.83E-09	3.01E-08
5882	487642.8	3860775.54	8.81E-05	1.08E-04	9.47E-05	3.05E-08	9.21E-08	5.33E-08	6.53E-08	5.92E-08	2.70E-08	2.37E-08	0.00E+00	0.00E+00	9.81E-09	2.22E-09	1.41E-08	2.17E-09	1.84E-09	3.01E-08
5883	487549.48	3860684.71	9.20E-05	1.13E-04	9.89E-05	3.19E-08	9.62E-08	5.57E-08	6.82E-08	6.18E-08	2.82E-08	2.48E-08	0.00E+00	0.00E+00	1.02E-08	2.31E-09	1.47E-08	2.27E-09	1.92E-09	3.14E-08
5884	487549.91	3860591.97	9.55E-05	1.17E-04	1.03E-04	3.31E-08	9.98E-08	5.78E-08	7.08E-08	6.42E-08	2.93E-08	2.57E-08	0.00E+00	0.00E+00	1.06E-08	2.40E-09	1.52E-08	2.35E-09	1.99E-09	3.26E-08
5885	487550.34	3860499.23	9.98E-05	1.22E-04	1.07E-04	3.45E-08	1.04E-07	6.04E-08	7.39E-08	6.70E-08	3.06E-08	2.68E-08	0.00E+00	0.00E+00	1.11E-08	2.51E-09	1.59E-08	2.46E-09	2.08E-09	3.41E-08
5886	487550.76	3860406.49	1.05E-04	1.28E-04	1.12E-04	3.62E-08	1.09E-07	6.33E-08	7.75E-08	7.02E-08	3.20E-08	2.81E-08	0.00E+00	0.00E+00	1.16E-08	2.63E-09	1.67E-08	2.57E-09	2.18E-09	3.57E-08
5887	487551.19	3860313.75	1.09E-04	1.34E-04	1.17E-04	3.78E-08	1.14E-07	6.61E-08	8.10E-08	7.34E-08	3.35E-08	2.94E-08	0.00E+00	0.00E+00	1.22E-08	2.75E-09	1.74E-08	2.69E-09	2.28E-09	3.73E-08
5888	487551.62	3860221.01	1.15E-04	1.40E-04	1.23E-04	3.97E-08	1.20E-07	6.94E-08	8.50E-08	7.70E-08	3.52E-08	3.08E-08	0.00E+00	0.00E+00	1.28E-08	2.88E-09	1.83E-08	2.82E-09	2.39E-09	3.92E-08
5889	487552.05	3860128.27	1.21E-04	1.48E-04	1.30E-04	4.20E-08	1.27E-07	7.33E-08	8.98E-08	8.14E-08	3.72E-08	3.26E-08	0.00E+00	0.00E+00	1.35E-08	3.05E-09	1.93E-08	2.98E-09	2.52E-09	4.14E-08
5890	487552.48	3860035.53	1.28E-04	1.57E-04	1.38E-04	4.43E-08	1.34E-07	7.75E-08	9.49E-08	8.60E-08	3.93E-08	3.44E-08	0.00E+00	0.00E+00	1.43E-08	3.22E-09	2.04E-08	3.15E-09	2.67E-09	4.37E-08
5891	487552.91	3859942.79	1.34E-04	1.65E-04	1.44E-04	4.65E-08	1.40E-07	8.13E-08	9.96E-08	9.03E-08	4.12E-08	3.61E-08	0.00E+00	0.00E+00	1.50E-08	3.38E-09	2.14E-08	3.31E-09	2.80E-09	4.59E-08
5892	487553.33	3859850.05	1.43E-04	1.75E-04	1.53E-04	4.94E-08	1.49E-07	8.64E-08	1.06E-07	9.59E-08	4.38E-08	3.84E-08	0.00E+00	0.00E+00	1.59E-08	3.59E-09	2.28E-08	3.51E-09	2.97E-09	4.88E-08
5893	487553.76	3859757.31	1.51E-04	1.85E-04	1.62E-04	5.23E-08	1.58E-07	9.14E-08	1.12E-07	1.01E-07	4.63E-08	4.06E-08	0.00E+00	0.00E+00	1.68E-08	3.80E-09	2.41E-08	3.72E-09	3.15E-09	5.16E-08
5894	487554.19	3859664.57	1.60E-04	1.96E-04	1.72E-04	5.55E-08	1.68E-07	9.70E-08	1.19E-07	1.08E-07	4.91E-08	4.31E-08	0.00E+00	0.00E+00	1.78E-08	4.03E-09	2.56E-08	3.95E-09	3.34E-09	5.48E-08
5895	487460.2	3859571.05	1.69E-04	2.07E-04	1.82E-04	5.85E-08	1.77E-07	1.02E-07	1.25E-07	1.13E-07	5.18E-08	4.54E-08	0.00E+00	0.00E+00	1.88E-08	4.25E-09	2.70E-08	4.16E-09	3.52E-09	5.77E-08
5896	487365.78	3859570.27	1.68E-04	2.05E-04	1.80E-04	5.80E-08	1.75E-07	1.01E-07	1.24E-07	1.13E-07	5.14E-08	4.51E-08	0.00E+00	0.00E+00	1.87E-08	4.22E-09	2.68E-08	4.13E-09	3.49E-09	5.73E-08
5897	487271.36	3859569.48	1.66E-04	2.04E-04	1.79E-04	5.76E-08	1.74E-07	1.01E-07	1.23E-07	1.12E-07	5.10E-08	4.47E-08	0.00E+00	0.00E+00	1.85E-08	4.18E-09	2.66E-08	4.10E-09	3.46E-09	5.68E-08
5898	487176.94	3859568.7	1.65E-04	2.02E-04	1.77E-04	5.71E-08	1.73E-07	9.99E-08	1.22E-07	1.11E-07	5.06E-08	4.44E-08	0.00E+00	0.00E+00	1.84E-08	4.15E-09	2.63E-08	4.06E-09	3.44E-09	5.64E-08
5899	487082.51	3859567.92	1.64E-04	2.01E-04	1.76E-04	5.68E-08	1.71E-07	9.92E-08	1.21E-07	1.10E-07	5.03E-08	4.41E-08	0.00E+00	0.00E+00	1.82E-08	4.12E-09	2.62E-08	4.04E-09	3.41E-09	5.60E-08
5900	486988.09	3859567.14	1.63E-04	1.99E-04	1.75E-04	5.63E-08	1.70E-07	9.85E-08	1.21E-07	1.09E-07	4.99E-08	4.38E-08	0.00E+00	0.00E+00	1.81E-08	4.09E-09	2.60E-08	4.01E-09	3.39E-09	5.56E-08
5901	486893.67	3859566.36	1.62E-04	1.98E-04	1.74E-04	5.60E-08	1.69E-07	9.78E-08	1.20E-07	1.09E-07	4.95E-08	4.35E-08	0.00E+00	0.00E+00	1.80E-08	4.07E-09	2.58E-08	3.98E-09	3.36E-09	5.52E-08
5902	486799.25	3859565.58	1.61E-04	1.97E-04	1.72E-04	5.56E-08	1.68E-07	9.71E-08	1.19E-07	1.08E-07	4.92E-08	4.31E-08	0.00E+00	0.00E+00	1.79E-08	4.04E-09	2.56E-08	3.95E-09	3.34E-09	5.48E-08
5903	486704.83	3859564.79	1.59E-04	1.95E-04	1.71E-04	5.52E-08	1.67E-07	9.65E-08	1.18E-07	1.07E-07	4.89E-08	4.28E-08	0.00E+00	0.00E+00	1.77E-08	4.01E-09	2.54E-08	3.92E-09	3.32E-09	5.44E-08
5904	486610.41	3859564.01	1.58E-04	1.94E-04	1.70E-04	5.48E-08	1.65E-07	9.58E-08	1.17E-07	1.06E-07	4.85E-08	4.26E-08	0.00E+00	0.00E+00	1.76E-08	3.98E-09	2.53E-08	3.90E-09	3.30E-09	5.41E-08
5905	486515.99	3859563.23	1.57E-04	1.92E-04	1.68E-04	5.42E-08	1.64E-07	9.48E-08	1.16E-07	1.05E-07	4.80E-08	4.21E-08	0.00E+00	0.00E+00	1.74E-08	3.94E-09	2.50E-08	3.86E-09	3.26E-09	5.35E-08
5906	486421.57	3859562.45	1.55E-04	1.90E-04	1.67E-04	5.38E-08	1.62E-07	9.40E-08	1.15E-07	1.04E-07	4.76E-08	4.17E-08	0.00E+00	0.00E+00	1.73E-08	3.91E-09	2.48E-08	3.82E-09	3.23E-09	5.30E-08
5907	486327.14	3859561.67	1.54E-04	1.89E-04	1.66E-04	5.34E-08	1.61E-07	9.33E-08	1.14E-07	1.04E-07	4.73E-08	4.15E-08	0.00E+00	0.00E+00	1.72E-08	3.88E-09	2.46E-08	3.80E-09	3.21E-09	5.27E-08
5908	486232.72	3859560.89	1.53E-04	1.87E-04	1.64E-04	5.28E-08	1.60E-07	9.24E-08	1.13E-07	1.03E-07	4.68E-08	4.10E-08	0.00E+00	0.00E+00	1.70E-08	3.84E-09	2.44E-08	3.76E-09	3.18E-09	5.21E-08
5909	486138.3	3859560.1	1.51E-04	1.85E-04	1.62E-04	5.24E-08	1.58E-07	9.15E-08	1.12E-07	1.02E-07	4.64E-08	4.06E-08	0.00E+00	0.00E+00	1.68E-08	3.80E-09	2.41E-08	3.72E-09	3.15E-09	5.16E-08

5910	486043.88	3859559.32	1.50E-04	1.83E-04	1.61E-04	5.18E-08	1.56E-07	9.06E-08	1.11E-07	1.01E-07	4.59E-08	4.02E-08	0.00E+00	0.00E+00	1.67E-08	3.76E-09	2.39E-08	3.68E-09	3.11E-09	5.11E-08
5911	485949.35	3859463.54	1.55E-04	1.90E-04	1.66E-04	5.37E-08	1.62E-07	9.38E-08	1.15E-07	1.04E-07	4.75E-08	4.17E-08	0.00E+00	0.00E+00	1.73E-08	3.90E-09	2.47E-08	3.82E-09	3.23E-09	5.30E-08
5912	485949.24	3859368.55	1.63E-04	1.99E-04	1.75E-04	5.63E-08	1.70E-07	9.85E-08	1.21E-07	1.09E-07	4.99E-08	4.37E-08	0.00E+00	0.00E+00	1.81E-08	4.09E-09	2.60E-08	4.01E-09	3.39E-09	5.56E-08
5913	485949.12	3859273.55	1.71E-04	2.10E-04	1.84E-04	5.93E-08	1.79E-07	1.04E-07	1.27E-07	1.15E-07	5.25E-08	4.60E-08	0.00E+00	0.00E+00	1.91E-08	4.31E-09	2.73E-08	4.21E-09	3.56E-09	5.85E-08
5914	485949.01	3859178.56	1.80E-04	2.21E-04	1.93E-04	6.24E-08	1.88E-07	1.09E-07	1.34E-07	1.21E-07	5.52E-08	4.84E-08	0.00E+00	0.00E+00	2.01E-08	4.53E-09	2.88E-08	4.43E-09	3.75E-09	6.15E-08
5915	485948.9	3859083.56	1.90E-04	2.33E-04	2.04E-04	6.59E-08	1.99E-07	1.15E-07	1.41E-07	1.28E-07	5.83E-08	5.11E-08	0.00E+00	0.00E+00	2.12E-08	4.79E-09	3.04E-08	4.68E-09	3.96E-09	6.50E-08
5916	485948.79	3858988.56	2.00E-04	2.45E-04	2.15E-04	6.94E-08	2.09E-07	1.21E-07	1.48E-07	1.35E-07	6.14E-08	5.38E-08	0.00E+00	0.00E+00	2.23E-08	5.04E-09	3.20E-08	4.93E-09	4.17E-09	6.84E-08
5917	485948.67	3858893.57	2.11E-04	2.59E-04	2.27E-04	7.31E-08	2.21E-07	1.28E-07	1.57E-07	1.42E-07	6.47E-08	5.67E-08	0.00E+00	0.00E+00	2.35E-08	5.31E-09	3.37E-08	5.20E-09	4.39E-09	7.21E-08
5918	485948.56	3858798.57	2.24E-04	2.75E-04	2.41E-04	7.76E-08	2.34E-07	1.36E-07	1.66E-07	1.51E-07	6.87E-08	6.03E-08	0.00E+00	0.00E+00	2.50E-08	5.64E-09	3.58E-08	5.52E-09	4.67E-09	7.66E-08
5919	485948.45	3858703.58	2.37E-04	2.90E-04	2.54E-04	8.19E-08	2.47E-07	1.43E-07	1.75E-07	1.59E-07	7.25E-08	6.36E-08	0.00E+00	0.00E+00	2.63E-08	5.95E-09	3.78E-08	5.82E-09	4.92E-09	8.08E-08
5920	485948.34	3858608.58	2.52E-04	3.08E-04	2.70E-04	8.71E-08	2.63E-07	1.52E-07	1.86E-07	1.69E-07	7.71E-08	6.76E-08	0.00E+00	0.00E+00	2.80E-08	6.33E-09	4.01E-08	6.19E-09	5.23E-09	8.59E-08
5921	485948.22	3858513.59	2.68E-04	3.28E-04	2.87E-04	9.26E-08	2.80E-07	1.62E-07	1.98E-07	1.80E-07	8.20E-08	7.19E-08	0.00E+00	0.00E+00	2.98E-08	6.73E-09	4.27E-08	6.59E-09	5.57E-09	9.14E-08
5922	485948.11	3858418.59	2.85E-04	3.48E-04	3.05E-04	9.85E-08	2.97E-07	1.72E-07	2.11E-07	1.91E-07	8.72E-08	7.64E-08	0.00E+00	0.00E+00	3.17E-08	7.16E-09	4.54E-08	7.00E-09	5.92E-09	9.72E-08
5923	485948	3858323.59	3.04E-04	3.73E-04	3.27E-04	1.05E-07	3.18E-07	1.84E-07	2.26E-07	2.04E-07	9.33E-08	8.18E-08	0.00E+00	0.00E+00	3.39E-08	7.66E-09	4.86E-08	7.49E-09	6.33E-09	1.04E-07
5924	485947.89	3858228.6	3.25E-04	3.98E-04	3.49E-04	1.12E-07	3.39E-07	1.96E-07	2.41E-07	2.18E-07	9.95E-08	8.72E-08	0.00E+00	0.00E+00	3.61E-08	8.17E-09	5.18E-08	7.99E-09	6.75E-09	1.11E-07
5925	485947.77	3858133.6	3.47E-04	4.25E-04	3.73E-04	1.20E-07	3.63E-07	2.10E-07	2.57E-07	2.33E-07	1.06E-07	9.32E-08	0.00E+00	0.00E+00	3.86E-08	8.73E-09	5.54E-08	8.55E-09	7.22E-09	1.19E-07
5926	485947.66	3858038.61	3.76E-04	4.60E-04	4.03E-04	1.30E-07	3.93E-07	2.27E-07	2.79E-07	2.53E-07	1.15E-07	1.01E-07	0.00E+00	0.00E+00	4.18E-08	9.45E-09	6.00E-08	9.25E-09	7.82E-09	1.28E-07
5927	485854.54	3857943.35	3.86E-04	4.73E-04	4.15E-04	1.34E-07	4.04E-07	2.34E-07	2.86E-07	2.60E-07	1.18E-07	1.04E-07	0.00E+00	0.00E+00	4.30E-08	9.72E-09	6.17E-08	9.51E-09	8.03E-09	1.32E-07
5928	485761.52	3857943.09	3.71E-04	4.55E-04	3.99E-04	1.29E-07	3.88E-07	2.25E-07	2.75E-07	2.50E-07	1.14E-07	9.98E-08	0.00E+00	0.00E+00	4.13E-08	9.34E-09	5.93E-08	9.14E-09	7.72E-09	1.27E-07
5929	485668.51	3857942.83	3.59E-04	4.39E-04	3.85E-04	1.24E-07	3.75E-07	2.17E-07	2.66E-07	2.41E-07	1.10E-07	9.64E-08	0.00E+00	0.00E+00	3.99E-08	9.02E-09	5.73E-08	8.83E-09	7.46E-09	1.23E-07
5930	485575.5	3857942.56	3.45E-04	4.23E-04	3.71E-04	1.20E-07	3.61E-07	2.09E-07	2.56E-07	2.32E-07	1.06E-07	9.28E-08	0.00E+00	0.00E+00	3.84E-08	8.69E-09	5.51E-08	8.50E-09	7.19E-09	1.18E-07
5931	485482.48	3857942.3	3.34E-04	4.09E-04	3.59E-04	1.16E-07	3.49E-07	2.02E-07	2.48E-07	2.24E-07	1.02E-07	8.98E-08	0.00E+00	0.00E+00	3.72E-08	8.40E-09	5.33E-08	8.22E-09	6.95E-09	1.14E-07
5932	485389.47	3857942.04	3.23E-04	3.96E-04	3.47E-04	1.12E-07	3.38E-07	1.96E-07	2.40E-07	2.17E-07	9.91E-08	8.69E-08	0.00E+00	0.00E+00	3.60E-08	8.13E-09	5.16E-08	7.96E-09	6.73E-09	1.10E-07
5933	485296.46	3857941.78	3.13E-04	3.84E-04	3.36E-04	1.08E-07	3.27E-07	1.90E-07	2.32E-07	2.10E-07	9.60E-08	8.42E-08	0.00E+00	0.00E+00	3.49E-08	7.88E-09	5.00E-08	7.71E-09	6.52E-09	1.07E-07
5934	485203.45	3857941.52	3.05E-04	3.73E-04	3.27E-04	1.06E-07	3.19E-07	1.84E-07	2.26E-07	2.05E-07	9.34E-08	8.20E-08	0.00E+00	0.00E+00	3.39E-08	7.67E-09	4.87E-08	7.50E-09	6.35E-09	1.04E-07
5935	485110.43	3857941.26	2.95E-04	3.62E-04	3.17E-04	1.02E-07	3.09E-07	1.79E-07	2.19E-07	1.98E-07	9.06E-08	7.94E-08	0.00E+00	0.00E+00	3.29E-08	7.43E-09	4.72E-08	7.27E-09	6.15E-09	1.01E-07
5936	485017.42	3857940.99	2.86E-04	3.50E-04	3.07E-04	9.90E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.77E-08	7.69E-08	0.00E+00	0.00E+00	3.18E-08	7.19E-09	4.56E-08	7.04E-09	5.96E-09	9.77E-08
5937	484924.41	3857940.73	2.77E-04	3.39E-04	2.98E-04	9.59E-08	2.90E-07	1.68E-07	2.05E-07	1.86E-07	8.49E-08	7.45E-08	0.00E+00	0.00E+00	3.08E-08	6.97E-09	4.42E-08	6.82E-09	5.77E-09	9.46E-08
5938	484831.39	3857940.47	2.69E-04	3.30E-04	2.89E-04	9.32E-08	2.81E-07	1.63E-07	1.99E-07	1.81E-07	8.25E-08	7.24E-08	0.00E+00	0.00E+00	3.00E-08	6.77E-09	4.30E-08	6.63E-09	5.61E-09	9.19E-08
5939	484738.12	3857859.3	2.72E-04	3.33E-04	2.93E-04	9.42E-08	2.84E-07	1.65E-07	2.02E-07	1.83E-07	8.34E-08	7.32E-08	0.00E+00	0.00E+00	3.03E-08	6.85E-09	4.34E-08	6.70E-09	5.67E-09	9.30E-08
5940	484737.85	3857778.4	2.84E-04	3.48E-04	3.06E-04	9.84E-08	2.97E-07	1.72E-07	2.11E-07	1.91E-07	8.71E-08	7.65E-08	0.00E+00	0.00E+00	3.16E-08	7.15E-09	4.54E-08	7.00E-09	5.92E-09	9.71E-08
5941	484737.59	3857697.49	2.97E-04	3.63E-04	3.19E-04	1.03E-07	3.10E-07	1.79E-07	2.20E-07	1.99E-07	9.09E-08	7.98E-08	0.00E+00	0.00E+00	3.30E-08	7.46E-09	4.73E-08	7.30E-09	6.18E-09	1.01E-07
5942	484737.32	3857616.59	3.09E-04	3.78E-04	3.32E-04	1.07E-07	3.23E-07	1.87E-07	2.29E-07	2.08E-07	9.47E-08	8.31E-08	0.00E+00	0.00E+00	3.44E-08	7.77E-09	4.93E-08	7.60E-09	6.44E-09	1.06E-07
5943	484645.53	3857535.18	3.12E-04	3.82E-04	3.35E-04	1.08E-07	3.26E-07	1.89E-07	2.31E-07	2.10E-07	9.56E-08	8.40E-08	0.00E+00	0.00E+00	3.47E-08	7.85E-09	4.98E-08	7.68E-09	6.50E-09	1.07E-07
5944	484553.99	3857534.67	3.02E-04	3.69E-04	3.24E-04	1.04E-07	3.15E-07	1.82E-07	2.23E-07	2.03E-07	9.24E-08	8.12E-08	0.00E+00	0.00E+00	3.36E-08	7.59E-09	4.81E-08	7.42E-09	6.28E-09	1.03E-07
5945	484462.46	3857534.17	2.93E-04	3.58E-04	3.15E-04	1.01E-07	3.06E-07	1.77E-07	2.17E-07	1.97E-07	8.97E-08	7.88E-08	0.00E+00	0.00E+00	3.26E-08	7.36E-09	4.67E-08	7.20E-09	6.10E-09	9.99E-08
5946	484370.93	3857533.66	2.84E-04	3.48E-04	3.05E-04	9.83E-08	2.97E-07	1.72E-07	2.10E-07	1.91E-07	8.70E-08	7.64E-08	0.00E+00	0.00E+00	3.16E-08	7.14E-09	4.53E-08	6.99E-09	5.92E-09	9.70E-08
5947	484279.4	3857533.16	2.76E-04	3.38E-04	2.96E-04	9.54E-08	2.88E-07	1.67E-07	2.04E-07	1.85E-07	8.45E-08	7.42E-08	0.00E+00	0.00E+00	3.07E-08	6.93E-09	4.40E-08	6.79E-09	5.74E-09	9.42E-08
5948	484187.86	3857532.65	2.68E-04	3.28E-04	2.88E-04	9.26E-08	2.80E-07	1.62E-07	1.98E-07	1.80E-07	8.20E-08	7.20E-08	0.00E+00	0.00E+00	2.98E-08	6.73E-09	4.27E-08	6.59E-09	5.57E-09	9.14E-08
5949	484096.33	3857532.15	2.60E-04	3.19E-04	2.80E-04	9.01E-08	2.72E-07	1.57E-07	1.93E-07	1.75E-07	7.98E-08	7.00E-08	0.00E+00	0.00E+00	2.90E-08	6.55E-09	4.15E-08	6.41E-09	5.42E-09	8.89E-08
5950	484004.8	3857531.64	2.52E-04	3.09E-04	2.71E-04	8.74E-08	2.64E-07	1.53E-07	1.87E-07	1.70E-07	7.74E-08	6.79E-08	0.00E+00	0.00E+00	2.81E-08	6.35E-09	4.03E-08	6.21E-09	5.26E-09	8.62E-08
5951	483913.27	3857531.14	2.44E-04	2.99E-04	2.62E-04	8.45E-08	2.55E-07	1.48E-07	1.81E-07	1.64E-07	7.48E-08	6.57E-08	0.00E+00	0.00E+00	2.72E-08	6.14E-09	3.90E-08	6.01E-09	5.09E-09	8.34E-08
5952	483821.73	3857530.63	2.37E-04	2.90E-04	2.55E-04	8.20E-08	2.48E-07	1.43E-07	1.76E-07	1.59E-07	7.26E-08	6.37E-08	0.00E+00	0.00E+00	2.64E-08	5.96E-09	3.78E-08	5.83E-09	4.93E-09	8.09E-08
5953	483729.61	3857450.11	2.37E-04	2.91E-04	2.55E-04	8.21E-08	2.48E-07	1.44E-07	1.76E-07	1.59E-07	7.27E-08	6.38E-08	0.00E+00	0.00E+00	2.64E-08	5.97E-09	3.79E-08	5.84E-09	4.94E-09	8.10E-08
5954	483729.03	3857370.08	2.46E-04	3.01E-04	2.65E-04	8.52E-08	2.57E-07	1.49E-07	1.82E-07	1.65E-07	7.54E-08	6.62E-08	0.00E+00	0.00E+00	2.74E-08	6.19E-09	3.93E-08	6.06E-09	5.13E-09	8.41E-08
5955	483728.44	3857290.06	2.54E-04	3.11E-04	2.73E-04	8.80E-08	2.66E-07	1.54E-07	1.88E-07	1.71E-07	7.79E-08	6.84E-08	0.00E+00	0.00E+00	2.83E-08	6.40E-09	4.06E-08	6.26E-09	5.30E-09	8.68E-08
5956	483727.86	3857210.03	2.62E-04	3.21E-04	2.82E-04	9.08E-08	2.74E-07	1.59E-07	1.94E-07	1.76E-07	8.04E-08	7.06E-08	0.00E+00	0.00E+00	2.92E-08	6.60E-09	4.19E-08	6.46E-09	5.47E-09	8.96E-08
5957	483641.15	3857129.07	2.63E-04	3.22E-04	2.83E-04	9.11E-08	2.75E-07	1.59E-07	1.95E-07	1.77E-07	8.07E-08	7.08E-08	0.00E+00	0.00E+00	2.93E-08	6.62E-09	4.20E-08	6.48E-09	5.48E-09	8.99E-08
5958	483555.03	3857128.14	2.55E-04	3.12E-04	2.74E-04	8.83E-08	2.67E-07	1.54E-07	1.89E-07	1.71E-07	7.82E-08	6.86E-08	0.00E+00	0.00E+00	2.84E-08	6.42E-09	4.07E-08	6.28E-09	5.31E-09	8.71E-08
5959	483468.91	3857127.2	2.46E-04	3.01E-04	2.64E-04	8.51E-08	2.57E-07	1.49E-07	1.82E-07	1.65E-07	7.54E-08	6.61E-08	0.00E+00	0.00E+00	2.74E-08	6.19E-09	3.92E-08	6.05E-09	5.12E-09	8.40E-08
5960	483382.78	3857126.26	2.39E-04	2.93E-04	2.57E-04	8.29E-08	2.50E-07	1.45E-07	1.77E-07	1.61E-07	7.34E-08	6.44E-08	0.00E+00	0.00E+00	2.66E-08	6.02E-09	3.82E-08	5.89E-09	4.98E-09	8.17E-08
5961	483296.66	3857125.32	2.32E-04	2.84E-04	2.49E-04	8.03E-08	2.43E-07	1.40E-07	1.72E-07	1.56E-07	7.11E-08	6.24E-08	0.00E+00	0.00E+00	2.58E-08	5.84E-09	3.70E-08	5.71E-09	4.83E-09	7.93E-08
5962	483210.54	3857124.39	2.25E-04	2.75E-04	2.41E-04	7.78E-08	2.35E-07	1.36E-07	1.66E-07	1.51E-07	6.89E-08	6.04E-08	0.00E+00	0.00E+00	2.50E-08	5.65E-09	3.59E-08	5.53E-09	4.68E-09	7.67E-08
5963	483123.4	3857030.96	2.25E-04	2.75E-04	2.41E-04	7.78E-08	2.35E-07	1.36E-07	1.67E-07	1.51E-07	6.89E-08	6.04E-08	0.00E+00	0.00E+00	2.50E-08	5.65E-09	3.59E-08	5.53E-09	4.68E-09	7.68E-08
5964	483122.38	3856938.46	2.33E-04	2.85E-04	2.50E-04	8.05E-08	2.43E-07	1.41E-07	1.72E-07	1.56E-07	7.13E-08	6.26E-08	0.00E+00	0.00E+00	2.59E-08	5.85E-09	3.71E-08	5.73E-09	4.84E-09	7.95E-08
5965	483121.35	3856845.97	2.41E-04	2.95E-04	2.59E-04	8.34E-08	2.52E-07	1.46E-07	1.78E-07	1.62E-07	7.38E-08	6.48E-08	0.00E+00	0.00E+00	2.68E-08	6.06E-09	3.84E-08	5.93E-09	5.01E-09	8.23E-08
5966	483120.33	3856753.47	2.47E-04	3.03E-04	2.66E-04	8.56E-08	2.59E-07	1.50E-07	1.83E-07	1.66E-07	7.58E-08	6.65E-08	0.00E+00	0.00E+00	2.75E-08	6.22E-09	3.95E-08	6.09E-09	5.15E-09	8.45E-08
5967	483119.31	3856660.98	2.54E-04	3.11E-04	2.73E-04	8.80E-08	2.66E-07	1.54E-07	1.88E-07	1.71E-07	7.79E-08	6.83E-08	0.00E+00	0.00E+00	2.83E-08	6.39E-09	4.06E-08	6.25E-09	5.29E-09	8.68E-08

5968	483118.29	3856568.49	2.62E-04	3.21E-04	2.81E-04	9.06E-08	2.74E-07	1.58E-07	1.94E-07	1.76E-07	8.02E-08	7.04E-08	0.00E+00	0.00E+00	2.91E-08	6.58E-09	4.18E-08	6.44E-09	5.45E-09	8.94E-08
5969	483117.26	3856475.99	2.70E-04	3.31E-04	2.90E-04	9.35E-08	2.82E-07	1.63E-07	2.00E-07	1.81E-07	8.28E-08	7.26E-08	0.00E+00	0.00E+00	3.01E-08	6.80E-09	4.31E-08	6.65E-09	5.62E-09	9.23E-08
5970	483116.24	3856383.5	2.78E-04	3.41E-04	2.99E-04	9.63E-08	2.91E-07	1.68E-07	2.06E-07	1.87E-07	8.52E-08	7.47E-08	0.00E+00	0.00E+00	3.10E-08	6.99E-09	4.44E-08	6.84E-09	5.79E-09	9.50E-08
5971	483115.22	3856291.01	2.86E-04	3.51E-04	3.08E-04	9.91E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.78E-08	7.70E-08	0.00E+00	0.00E+00	3.19E-08	7.20E-09	4.57E-08	7.05E-09	5.96E-09	9.78E-08
5972	483114.2	3856198.51	2.94E-04	3.60E-04	3.16E-04	1.02E-07	3.07E-07	1.78E-07	2.18E-07	1.97E-07	9.01E-08	7.90E-08	0.00E+00	0.00E+00	3.27E-08	7.40E-09	4.69E-08	7.24E-09	6.12E-09	1.00E-07
5973	483113.17	3856106.02	3.04E-04	3.73E-04	3.27E-04	1.05E-07	3.18E-07	1.84E-07	2.25E-07	2.04E-07	9.32E-08	8.18E-08	0.00E+00	0.00E+00	3.39E-08	7.65E-09	4.86E-08	7.49E-09	6.33E-09	1.04E-07
5974	483112.15	3856013.52	3.13E-04	3.83E-04	3.36E-04	1.08E-07	3.27E-07	1.89E-07	2.32E-07	2.10E-07	9.60E-08	8.41E-08	0.00E+00	0.00E+00	3.48E-08	7.87E-09	5.00E-08	7.71E-09	6.51E-09	1.07E-07
5975	483029.25	3855920.47	3.10E-04	3.80E-04	3.33E-04	1.07E-07	3.24E-07	1.88E-07	2.30E-07	2.08E-07	9.51E-08	8.34E-08	0.00E+00	0.00E+00	3.45E-08	7.80E-09	4.95E-08	7.64E-09	6.46E-09	1.06E-07
5976	482947.37	3855919.91	2.98E-04	3.65E-04	3.20E-04	1.03E-07	3.11E-07	1.80E-07	2.21E-07	2.00E-07	9.12E-08	8.00E-08	0.00E+00	0.00E+00	3.31E-08	7.49E-09	4.75E-08	7.33E-09	6.19E-09	1.02E-07
5977	482865.49	3855919.36	2.85E-04	3.50E-04	3.06E-04	9.88E-08	2.98E-07	1.73E-07	2.12E-07	1.92E-07	8.75E-08	7.67E-08	0.00E+00	0.00E+00	3.18E-08	7.18E-09	4.56E-08	7.03E-09	5.94E-09	9.75E-08
5978	482783.61	3855918.8	2.75E-04	3.37E-04	2.95E-04	9.52E-08	2.87E-07	1.66E-07	2.04E-07	1.85E-07	8.43E-08	7.39E-08	0.00E+00	0.00E+00	3.06E-08	6.92E-09	4.39E-08	6.77E-09	5.72E-09	9.39E-08
5979	482700.33	3855818.39	2.72E-04	3.33E-04	2.92E-04	9.41E-08	2.84E-07	1.64E-07	2.01E-07	1.83E-07	8.33E-08	7.30E-08	0.00E+00	0.00E+00	3.03E-08	6.84E-09	4.34E-08	6.69E-09	5.65E-09	9.28E-08
5980	482698.92	3855718.54	2.80E-04	3.43E-04	3.00E-04	9.68E-08	2.92E-07	1.69E-07	2.07E-07	1.88E-07	8.57E-08	7.51E-08	0.00E+00	0.00E+00	3.11E-08	7.04E-09	4.46E-08	6.89E-09	5.82E-09	9.55E-08
5981	482697.52	3855618.68	2.86E-04	3.50E-04	3.07E-04	9.90E-08	2.99E-07	1.73E-07	2.12E-07	1.92E-07	8.77E-08	7.68E-08	0.00E+00	0.00E+00	3.18E-08	7.19E-09	4.56E-08	7.04E-09	5.95E-09	9.76E-08
5982	482696.11	3855518.83	2.93E-04	3.59E-04	3.15E-04	1.02E-07	3.06E-07	1.77E-07	2.17E-07	1.97E-07	8.99E-08	7.88E-08	0.00E+00	0.00E+00	3.26E-08	7.38E-09	4.68E-08	7.22E-09	6.10E-09	1.00E-07
5983	482694.71	3855418.98	2.98E-04	3.65E-04	3.20E-04	1.03E-07	3.12E-07	1.80E-07	2.21E-07	2.00E-07	9.14E-08	8.01E-08	0.00E+00	0.00E+00	3.32E-08	7.50E-09	4.76E-08	7.34E-09	6.21E-09	1.02E-07
5984	482693.3	3855319.13	3.03E-04	3.72E-04	3.26E-04	1.05E-07	3.17E-07	1.84E-07	2.25E-07	2.04E-07	9.30E-08	8.15E-08	0.00E+00	0.00E+00	3.38E-08	7.63E-09	4.84E-08	7.47E-09	6.31E-09	1.04E-07
5985	482691.9	3855219.27	3.10E-04	3.80E-04	3.33E-04	1.07E-07	3.24E-07	1.88E-07	2.30E-07	2.08E-07	9.51E-08	8.33E-08	0.00E+00	0.00E+00	3.45E-08	7.80E-09	4.95E-08	7.63E-09	6.45E-09	1.06E-07
5986	482690.49	3855119.42	3.16E-04	3.88E-04	3.40E-04	1.10E-07	3.31E-07	1.91E-07	2.35E-07	2.13E-07	9.70E-08	8.50E-08	0.00E+00	0.00E+00	3.52E-08	7.96E-09	5.05E-08	7.79E-09	6.59E-09	1.08E-07
5987	482689.09	3855019.57	3.27E-04	4.01E-04	3.51E-04	1.13E-07	3.42E-07	1.98E-07	2.43E-07	2.20E-07	1.00E-07	8.79E-08	0.00E+00	0.00E+00	3.64E-08	8.23E-09	5.22E-08	8.06E-09	6.81E-09	1.12E-07
5988	482687.68	3854919.72	3.36E-04	4.12E-04	3.61E-04	1.16E-07	3.51E-07	2.03E-07	2.49E-07	2.26E-07	1.03E-07	9.03E-08	0.00E+00	0.00E+00	3.74E-08	8.46E-09	5.37E-08	8.28E-09	7.00E-09	1.15E-07
5989	482686.28	3854819.86	3.49E-04	4.27E-04	3.74E-04	1.21E-07	3.64E-07	2.11E-07	2.58E-07	2.34E-07	1.07E-07	9.37E-08	0.00E+00	0.00E+00	3.88E-08	8.77E-09	5.56E-08	8.58E-09	7.26E-09	1.19E-07
5990	482684.88	3854720.01	3.58E-04	4.39E-04	3.85E-04	1.24E-07	3.74E-07	2.17E-07	2.65E-07	2.41E-07	1.10E-07	9.63E-08	0.00E+00	0.00E+00	3.99E-08	9.01E-09	5.72E-08	8.82E-09	7.46E-09	1.22E-07
5991	482683.47	3854620.16	3.74E-04	4.59E-04	4.02E-04	1.30E-07	3.91E-07	2.26E-07	2.77E-07	2.52E-07	1.15E-07	1.01E-07	0.00E+00	0.00E+00	4.17E-08	9.42E-09	5.98E-08	9.22E-09	7.80E-09	1.28E-07
5992	482682.07	3854520.31	3.88E-04	4.76E-04	4.18E-04	1.34E-07	4.06E-07	2.35E-07	2.88E-07	2.61E-07	1.19E-07	1.05E-07	0.00E+00	0.00E+00	4.32E-08	9.77E-09	6.20E-08	9.56E-09	8.10E-09	1.33E-07
5993	482680.66	3854420.45	4.02E-04	4.93E-04	4.33E-04	1.39E-07	4.21E-07	2.43E-07	2.98E-07	2.70E-07	1.23E-07	1.08E-07	0.00E+00	0.00E+00	4.48E-08	1.01E-08	6.43E-08	9.91E-09	8.39E-09	1.37E-07
5994	482679.26	3854320.6	4.13E-04	5.06E-04	4.45E-04	1.43E-07	4.32E-07	2.50E-07	3.06E-07	2.78E-07	1.27E-07	1.11E-07	0.00E+00	0.00E+00	4.60E-08	1.04E-08	6.60E-08	1.02E-08	8.62E-09	1.41E-07
5995	482677.85	3854220.75	4.36E-04	5.35E-04	4.70E-04	1.51E-07	4.56E-07	2.64E-07	3.24E-07	2.93E-07	1.34E-07	1.18E-07	0.00E+00	0.00E+00	4.86E-08	1.10E-08	6.97E-08	1.07E-08	9.11E-09	1.49E-07
5996	482676.45	3854120.9	4.34E-04	5.32E-04	4.68E-04	1.50E-07	4.54E-07	2.63E-07	3.22E-07	2.92E-07	1.33E-07	1.17E-07	0.00E+00	0.00E+00	4.84E-08	1.09E-08	6.94E-08	1.07E-08	9.07E-09	1.48E-07
5997	482675.04	3854021.04	4.36E-04	5.34E-04	4.70E-04	1.51E-07	4.56E-07	2.64E-07	3.23E-07	2.93E-07	1.34E-07	1.18E-07	0.00E+00	0.00E+00	4.85E-08	1.10E-08	6.96E-08	1.07E-08	9.11E-09	1.49E-07
5998	482673.64	3853921.19	4.35E-04	5.33E-04	4.69E-04	1.50E-07	4.54E-07	2.63E-07	3.22E-07	2.92E-07	1.33E-07	1.17E-07	0.00E+00	0.00E+00	4.84E-08	1.09E-08	6.94E-08	1.07E-08	9.08E-09	1.49E-07
5999	482672.23	3853821.34	4.41E-04	5.40E-04	4.75E-04	1.53E-07	4.61E-07	2.67E-07	3.27E-07	2.96E-07	1.35E-07	1.19E-07	0.00E+00	0.00E+00	4.91E-08	1.11E-08	7.04E-08	1.09E-08	9.21E-09	1.51E-07
6000	482670.83	3853721.49	4.33E-04	5.31E-04	4.67E-04	1.50E-07	4.53E-07	2.62E-07	3.21E-07	2.91E-07	1.33E-07	1.17E-07	0.00E+00	0.00E+00	4.82E-08	1.09E-08	6.92E-08	1.07E-08	9.06E-09	1.48E-07
6001	482669.42	3853621.63	3.84E-04	4.71E-04	4.14E-04	1.33E-07	4.02E-07	2.32E-07	2.85E-07	2.58E-07	1.18E-07	1.04E-07	0.00E+00	0.00E+00	4.28E-08	9.67E-09	6.13E-08	9.46E-09	8.03E-09	1.31E-07
6002	482645.99	3853446.13	2.23E-04	2.73E-04	2.40E-04	7.72E-08	2.33E-07	1.35E-07	1.65E-07	1.50E-07	6.84E-08	6.01E-08	0.00E+00	0.00E+00	2.48E-08	5.61E-09	3.56E-08	5.49E-09	4.65E-09	7.62E-08
6003	482623.97	3853370.49	1.88E-04	2.31E-04	2.03E-04	6.52E-08	1.97E-07	1.14E-07	1.40E-07	1.27E-07	5.78E-08	5.07E-08	0.00E+00	0.00E+00	2.10E-08	4.74E-09	3.01E-08	4.64E-09	3.93E-09	6.44E-08
6004	482601.94	3853294.84	1.67E-04	2.04E-04	1.79E-04	5.77E-08	1.74E-07	1.01E-07	1.24E-07	1.12E-07	5.11E-08	4.49E-08	0.00E+00	0.00E+00	1.85E-08	4.19E-09	2.66E-08	4.10E-09	3.47E-09	5.69E-08
6005	482531.29	3853133.44	1.39E-04	1.71E-04	1.50E-04	4.82E-08	1.46E-07	8.43E-08	1.03E-07	9.36E-08	4.27E-08	3.75E-08	0.00E+00	0.00E+00	1.55E-08	3.50E-09	2.22E-08	3.43E-09	2.90E-09	4.76E-08
6006	482482.68	3853047.69	1.30E-04	1.59E-04	1.40E-04	4.50E-08	1.36E-07	7.86E-08	9.63E-08	8.73E-08	3.98E-08	3.50E-08	0.00E+00	0.00E+00	1.45E-08	3.27E-09	2.08E-08	3.20E-09	2.71E-09	4.44E-08
6007	482383.09	3852897.4	1.16E-04	1.42E-04	1.25E-04	4.01E-08	1.21E-07	7.02E-08	8.60E-08	7.79E-08	3.56E-08	3.12E-08	0.00E+00	0.00E+00	1.29E-08	2.92E-09	1.85E-08	2.85E-09	2.42E-09	3.96E-08
6008	482265.64	3852765.26	1.06E-04	1.30E-04	1.14E-04	3.67E-08	1.11E-07	6.41E-08	7.85E-08	7.12E-08	3.25E-08	2.85E-08	0.00E+00	0.00E+00	1.18E-08	2.66E-09	1.69E-08	2.61E-09	2.21E-09	3.62E-08
6009	482199.16	3852697.66	1.01E-04	1.24E-04	1.09E-04	3.51E-08	1.06E-07	6.13E-08	7.51E-08	6.81E-08	3.11E-08	2.73E-08	0.00E+00	0.00E+00	1.13E-08	2.55E-09	1.62E-08	2.50E-09	2.11E-09	3.46E-08
6010	482132.69	3852630.07	9.74E-05	1.19E-04	1.05E-04	3.37E-08	1.02E-07	5.89E-08	7.22E-08	6.54E-08	2.98E-08	2.62E-08	0.00E+00	0.00E+00	1.08E-08	2.45E-09	1.55E-08	2.40E-09	2.03E-09	3.33E-08
6011	482066.21	3852562.48	9.36E-05	1.15E-04	1.01E-04	3.24E-08	9.78E-08	5.66E-08	6.94E-08	6.29E-08	2.87E-08	2.52E-08	0.00E+00	0.00E+00	1.04E-08	2.35E-09	1.49E-08	2.30E-09	1.95E-09	3.20E-08
6012	481999.74	3852494.89	9.00E-05	1.10E-04	9.67E-05	3.11E-08	9.40E-08	5.44E-08	6.67E-08	6.04E-08	2.76E-08	2.42E-08	0.00E+00	0.00E+00	1.00E-08	2.26E-09	1.44E-08	2.21E-09	1.87E-09	3.07E-08
6013	481933.26	3852427.29	8.66E-05	1.06E-04	9.31E-05	3.00E-08	9.06E-08	5.24E-08	6.42E-08	5.82E-08	2.66E-08	2.33E-08	0.00E+00	0.00E+00	9.64E-09	2.18E-09	1.38E-08	2.13E-09	1.80E-09	2.96E-08
6014	481866.79	3852359.7	8.37E-05	1.03E-04	8.99E-05	2.90E-08	8.75E-08	5.07E-08	6.20E-08	5.62E-08	2.57E-08	2.25E-08	0.00E+00	0.00E+00	9.32E-09	2.11E-09	1.34E-08	2.06E-09	1.74E-09	2.86E-08
6015	481800.31	3852292.11	8.10E-05	9.92E-05	8.70E-05	2.80E-08	8.47E-08	4.90E-08	6.00E-08	5.44E-08	2.48E-08	2.18E-08	0.00E+00	0.00E+00	9.02E-09	2.04E-09	1.29E-08	1.99E-09	1.69E-09	2.77E-08
6016	481733.84	3852224.52	7.84E-05	9.61E-05	8.43E-05	2.72E-08	8.20E-08	4.75E-08	5.81E-08	5.27E-08	2.40E-08	2.11E-08	0.00E+00	0.00E+00	8.73E-09	1.97E-09	1.25E-08	1.93E-09	1.63E-09	2.68E-08
6017	481667.36	3852156.92	7.61E-05	9.32E-05	8.18E-05	2.63E-08	7.95E-08	4.61E-08	5.64E-08	5.11E-08	2.33E-08	2.05E-08	0.00E+00	0.00E+00	8.47E-09	1.91E-09	1.21E-08	1.87E-09	1.58E-09	2.60E-08
6018	481600.89	3852089.33	7.36E-05	9.02E-05	7.91E-05	2.55E-08	7.70E-08	4.46E-08	5.46E-08	4.95E-08	2.26E-08	1.98E-08	0.00E+00	0.00E+00	8.20E-09	1.85E-09	1.18E-08	1.81E-09	1.53E-09	2.52E-08
6019	481534.41	3852021.74	7.13E-05	8.73E-05	7.66E-05	2.47E-08	7.45E-08	4.31E-08	5.28E-08	4.79E-08	2.19E-08	1.92E-08	0.00E+00	0.00E+00	7.94E-09	1.79E-09	1.14E-08	1.75E-09	1.48E-09	2.43E-08
6020	481467.94	3851954.15	6.91E-05	8.47E-05	7.43E-05	2.39E-08	7.23E-08	4.18E-08	5.12E-08	4.64E-08	2.12E-08	1.86E-08	0.00E+00	0.00E+00	7.70E-09	1.74E-09	1.10E-08	1.70E-09	1.44E-09	2.36E-08
6021	481401.46	3851886.55	6.72E-05	8.23E-05	7.22E-05	2.33E-08	7.02E-08	4.07E-08	4.98E-08	4.51E-08	2.06E-08	1.81E-08	0.00E+00	0.00E+00	7.48E-09	1.69E-09	1.07E-08	1.65E-09	1.40E-09	2.29E-08
6022	481265.87	3851761.43	6.35E-05	7.78E-05	6.83E-05	2.20E-08	6.64E-08	3.84E-08	4.71E-08	4.27E-08	1.95E-08	1.71E-08	0.00E+00	0.00E+00	7.07E-09	1.60E-09	1.01E-08	1.56E-09	1.32E-09	2.17E-08
6023	481196.74	3851703.89	6.19E-05	7.58E-05	6.65E-05	2.14E-08	6.47E-08	3.75E-08	4.59E-08	4.16E-08	1.90E-08	1.66E-08	0.00E+00	0.00E+00	6.89E-09	1.56E-09	9.88E-09	1.52E-09	1.29E-09	2.11E-08
6024	481076.33	3851619.05	5.93E-05	7.27E-05	6.38E-05	2.05E-08	6.20E-08	3.59E-08	4.40E-08	3.99E-08	1.82E-08	1.60E-08	0.00E+00	0.00E+00	6.61E-09	1.49E-09	9.47E-09	1.46E-09	1.24E-09	2.03E-08
6025	480939.8	3851549.07	5.68E-05	6.96E-05	6.11E-05	1.97E-08	5.94E-08	3.44E-08	4.21E-08	3.82E-08	1.74E-08	1.53E-08	0.00E+00	0.00E+00	6.33E-09	1.43E-09	9.07E-09	1.40E-09	1.18E-09	1.94E-08

6026	480854.56	3851506.41	5.52E-05	6.77E-05	5.93E-05	1.91E-08	5.77E-08	3.34E-08	4.09E-08	3.71E-08	1.69E-08	1.49E-08	0.00E+00	0.00E+00	6.15E-09	1.39E-09	8.82E-09	1.36E-09	1.15E-09	1.89E-08
6027	480769.32	3851463.75	5.37E-05	6.58E-05	5.77E-05	1.86E-08	5.61E-08	3.25E-08	3.98E-08	3.61E-08	1.65E-08	1.44E-08	0.00E+00	0.00E+00	5.98E-09	1.35E-09	8.57E-09	1.32E-09	1.12E-09	1.83E-08
6028	480684.08	3851421.08	5.22E-05	6.39E-05	5.60E-05	1.81E-08	5.45E-08	3.16E-08	3.87E-08	3.50E-08	1.60E-08	1.40E-08	0.00E+00	0.00E+00	5.81E-09	1.31E-09	8.33E-09	1.28E-09	1.09E-09	1.78E-08
6029	480598.84	3851378.42	5.06E-05	6.20E-05	5.44E-05	1.75E-08	5.29E-08	3.06E-08	3.75E-08	3.40E-08	1.55E-08	1.36E-08	0.00E+00	0.00E+00	5.63E-09	1.27E-09	8.08E-09	1.25E-09	1.05E-09	1.73E-08
6030	480435.71	3851275.01	4.78E-05	5.85E-05	5.13E-05	1.65E-08	4.99E-08	2.89E-08	3.54E-08	3.21E-08	1.46E-08	1.28E-08	0.00E+00	0.00E+00	5.32E-09	1.20E-09	7.63E-09	1.18E-09	9.95E-10	1.63E-08
6031	480347.85	3851232.36	4.63E-05	5.67E-05	4.98E-05	1.60E-08	4.84E-08	2.80E-08	3.43E-08	3.11E-08	1.42E-08	1.25E-08	0.00E+00	0.00E+00	5.15E-09	1.16E-09	7.39E-09	1.14E-09	9.64E-10	1.58E-08
6032	480260	3851189.72	4.49E-05	5.50E-05	4.82E-05	1.55E-08	4.69E-08	2.72E-08	3.33E-08	3.02E-08	1.38E-08	1.21E-08	0.00E+00	0.00E+00	5.00E-09	1.13E-09	7.17E-09	1.10E-09	9.35E-10	1.53E-08
6033	480172.15	3851147.07	4.35E-05	5.33E-05	4.68E-05	1.51E-08	4.55E-08	2.63E-08	3.23E-08	2.92E-08	1.33E-08	1.17E-08	0.00E+00	0.00E+00	4.84E-09	1.09E-09	6.95E-09	1.07E-09	9.06E-10	1.49E-08
6034	480084.29	3851104.42	4.22E-05	5.16E-05	4.53E-05	1.46E-08	4.41E-08	2.55E-08	3.12E-08	2.83E-08	1.29E-08	1.13E-08	0.00E+00	0.00E+00	4.69E-09	1.06E-09	6.73E-09	1.04E-09	8.78E-10	1.44E-08
6035	479996.44	3851061.77	4.09E-05	5.01E-05	4.39E-05	1.42E-08	4.27E-08	2.47E-08	3.03E-08	2.75E-08	1.25E-08	1.10E-08	0.00E+00	0.00E+00	4.55E-09	1.03E-09	6.53E-09	1.01E-09	8.51E-10	1.40E-08
6036	479908.58	3851019.13	3.95E-05	4.84E-05	4.25E-05	1.37E-08	4.13E-08	2.39E-08	2.93E-08	2.65E-08	1.21E-08	1.06E-08	0.00E+00	0.00E+00	4.40E-09	9.94E-10	6.31E-09	9.73E-10	8.23E-10	1.35E-08
6037	479820.73	3850976.48	3.83E-05	4.69E-05	4.12E-05	1.33E-08	4.00E-08	2.32E-08	2.84E-08	2.57E-08	1.17E-08	1.03E-08	0.00E+00	0.00E+00	4.26E-09	9.64E-10	6.12E-09	9.43E-10	7.98E-10	1.31E-08
6038	479732.88	3850933.83	3.72E-05	4.55E-05	3.99E-05	1.29E-08	3.88E-08	2.25E-08	2.75E-08	2.50E-08	1.14E-08	9.99E-09	0.00E+00	0.00E+00	4.14E-09	9.35E-10	5.93E-09	9.15E-10	7.74E-10	1.27E-08
6039	479645.02	3850891.18	3.61E-05	4.42E-05	3.88E-05	1.25E-08	3.77E-08	2.18E-08	2.68E-08	2.42E-08	1.11E-08	9.71E-09	0.00E+00	0.00E+00	4.02E-09	9.08E-10	5.76E-09	8.89E-10	7.52E-10	1.23E-08
6040	479557.17	3850848.54	3.51E-05	4.31E-05	3.78E-05	1.22E-08	3.67E-08	2.13E-08	2.61E-08	2.36E-08	1.08E-08	9.45E-09	0.00E+00	0.00E+00	3.91E-09	8.84E-10	5.61E-09	8.65E-10	7.32E-10	1.20E-08
6041	479469.32	3850805.89	3.41E-05	4.18E-05	3.67E-05	1.18E-08	3.57E-08	2.06E-08	2.53E-08	2.29E-08	1.05E-08	9.18E-09	0.00E+00	0.00E+00	3.80E-09	8.58E-10	5.45E-09	8.40E-10	7.11E-10	1.17E-08
6042	479381.46	3850763.24	3.34E-05	4.09E-05	3.59E-05	1.15E-08	3.49E-08	2.02E-08	2.47E-08	2.24E-08	1.02E-08	8.97E-09	0.00E+00	0.00E+00	3.71E-09	8.39E-10	5.33E-09	8.21E-10	6.95E-10	1.14E-08
6043	479293.61	3850720.59	3.28E-05	4.02E-05	3.52E-05	1.13E-08	3.43E-08	1.98E-08	2.43E-08	2.20E-08	1.01E-08	8.82E-09	0.00E+00	0.00E+00	3.65E-09	8.25E-10	5.23E-09	8.07E-10	6.83E-10	1.12E-08
6044	479205.76	3850677.95	3.22E-05	3.94E-05	3.46E-05	1.11E-08	3.36E-08	1.95E-08	2.38E-08	2.16E-08	9.86E-09	8.65E-09	0.00E+00	0.00E+00	3.58E-09	8.09E-10	5.14E-09	7.92E-10	6.70E-10	1.10E-08
6045	479117.9	3850635.3	3.16E-05	3.88E-05	3.40E-05	1.10E-08	3.31E-08	1.91E-08	2.34E-08	2.13E-08	9.70E-09	8.51E-09	0.00E+00	0.00E+00	3.52E-09	7.96E-10	5.05E-09	7.79E-10	6.59E-10	1.08E-08
6046	479030.05	3850592.65	3.11E-05	3.81E-05	3.34E-05	1.08E-08	3.25E-08	1.88E-08	2.30E-08	2.09E-08	9.53E-09	8.36E-09	0.00E+00	0.00E+00	3.46E-09	7.82E-10	4.96E-09	7.65E-10	6.48E-10	1.06E-08
6047	478942.19	3850550	3.04E-05	3.72E-05	3.27E-05	1.05E-08	3.18E-08	1.84E-08	2.25E-08	2.04E-08	9.32E-09	8.18E-09	0.00E+00	0.00E+00	3.38E-09	7.65E-10	4.85E-09	7.48E-10	6.33E-10	1.04E-08
6048	478854.34	3850507.36	2.93E-05	3.59E-05	3.15E-05	1.01E-08	3.06E-08	1.77E-08	2.17E-08	1.97E-08	8.99E-09	7.89E-09	0.00E+00	0.00E+00	3.26E-09	7.37E-10	4.68E-09	7.22E-10	6.11E-10	1.00E-08
6049	478766.49	3850464.71	2.85E-05	3.49E-05	3.07E-05	9.88E-09	2.98E-08	1.73E-08	2.11E-08	1.92E-08	8.75E-09	7.67E-09	0.00E+00	0.00E+00	3.18E-09	7.18E-10	4.55E-09	7.02E-10	5.94E-10	9.74E-09
6050	478678.63	3850422.06	2.79E-05	3.42E-05	3.00E-05	9.65E-09	2.92E-08	1.69E-08	2.07E-08	1.87E-08	8.55E-09	7.50E-09	0.00E+00	0.00E+00	3.10E-09	7.02E-10	4.45E-09	6.87E-10	5.81E-10	9.53E-09
6051	478590.78	3850379.41	2.72E-05	3.34E-05	2.93E-05	9.43E-09	2.85E-08	1.65E-08	2.02E-08	1.83E-08	8.35E-09	7.32E-09	0.00E+00	0.00E+00	3.03E-09	6.85E-10	4.35E-09	6.70E-10	5.67E-10	9.30E-09
6052	478502.93	3850336.77	2.67E-05	3.28E-05	2.87E-05	9.26E-09	2.80E-08	1.62E-08	1.98E-08	1.80E-08	8.20E-09	7.19E-09	0.00E+00	0.00E+00	2.98E-09	6.73E-10	4.27E-09	6.58E-10	5.57E-10	9.14E-09
6053	478415.07	3850294.12	2.64E-05	3.23E-05	2.83E-05	9.13E-09	2.76E-08	1.60E-08	1.95E-08	1.77E-08	8.09E-09	7.09E-09	0.00E+00	0.00E+00	2.94E-09	6.64E-10	4.21E-09	6.49E-10	5.49E-10	9.01E-09
6054	478327.22	3850251.47	2.58E-05	3.16E-05	2.77E-05	8.92E-09	2.69E-08	1.56E-08	1.91E-08	1.73E-08	7.90E-09	6.93E-09	0.00E+00	0.00E+00	2.87E-09	6.48E-10	4.11E-09	6.34E-10	5.37E-10	8.80E-09
6055	478239.36	3850208.82	2.53E-05	3.10E-05	2.72E-05	8.76E-09	2.64E-08	1.53E-08	1.88E-08	1.70E-08	7.76E-09	6.80E-09	0.00E+00	0.00E+00	2.82E-09	6.36E-10	4.04E-09	6.23E-10	5.27E-10	8.64E-09
6056	478151.51	3850166.18	2.49E-05	3.05E-05	2.68E-05	8.62E-09	2.60E-08	1.51E-08	1.85E-08	1.67E-08	7.64E-09	6.70E-09	0.00E+00	0.00E+00	2.77E-09	6.27E-10	3.98E-09	6.13E-10	5.19E-10	8.51E-09
6057	478063.66	3850123.53	2.46E-05	3.01E-05	2.64E-05	8.51E-09	2.57E-08	1.49E-08	1.82E-08	1.65E-08	7.54E-09	6.61E-09	0.00E+00	0.00E+00	2.74E-09	6.18E-10	3.92E-09	6.05E-10	5.12E-10	8.40E-09
6058	477975.8	3850080.88	2.51E-05	3.07E-05	2.69E-05	8.67E-09	2.62E-08	1.52E-08	1.86E-08	1.68E-08	7.68E-09	6.74E-09	0.00E+00	0.00E+00	2.79E-09	6.30E-10	4.00E-09	6.17E-10	5.22E-10	8.56E-09
6059	477887.95	3850038.23	2.49E-05	3.05E-05	2.68E-05	8.63E-09	2.60E-08	1.51E-08	1.85E-08	1.67E-08	7.64E-09	6.70E-09	0.00E+00	0.00E+00	2.77E-09	6.27E-10	3.98E-09	6.13E-10	5.19E-10	8.51E-09
6060	477800.1	3849995.59	2.49E-05	3.05E-05	2.67E-05	8.61E-09	2.60E-08	1.50E-08	1.84E-08	1.67E-08	7.62E-09	6.69E-09	0.00E+00	0.00E+00	2.77E-09	6.26E-10	3.97E-09	6.12E-10	5.18E-10	8.49E-09
6061	477712.24	3849952.94	2.46E-05	3.02E-05	2.65E-05	8.53E-09	2.57E-08	1.49E-08	1.83E-08	1.66E-08	7.55E-09	6.63E-09	0.00E+00	0.00E+00	2.74E-09	6.20E-10	3.93E-09	6.06E-10	5.13E-10	8.41E-09
6062	477624.39	3849910.29	2.44E-05	2.99E-05	2.62E-05	8.45E-09	2.55E-08	1.48E-08	1.81E-08	1.64E-08	7.48E-09	6.56E-09	0.00E+00	0.00E+00	2.72E-09	6.14E-10	3.90E-09	6.01E-10	5.08E-10	8.33E-09
6063	477536.54	3849867.64	2.42E-05	2.97E-05	2.60E-05	8.39E-09	2.53E-08	1.47E-08	1.80E-08	1.63E-08	7.43E-09	6.52E-09	0.00E+00	0.00E+00	2.70E-09	6.09E-10	3.87E-09	5.96E-10	5.05E-10	8.27E-09
6064	477448.68	3849825	2.39E-05	2.93E-05	2.57E-05	8.28E-09	2.50E-08	1.45E-08	1.77E-08	1.61E-08	7.34E-09	6.44E-09	0.00E+00	0.00E+00	2.66E-09	6.02E-10	3.82E-09	5.89E-10	4.98E-10	8.17E-09
6065	477360.83	3849782.35	2.37E-05	2.90E-05	2.54E-05	8.20E-09	2.47E-08	1.43E-08	1.75E-08	1.59E-08	7.26E-09	6.37E-09	0.00E+00	0.00E+00	2.64E-09	5.96E-10	3.78E-09	5.83E-10	4.93E-10	8.09E-09
6066	477272.97	3849739.7	2.34E-05	2.87E-05	2.52E-05	8.10E-09	2.45E-08	1.42E-08	1.73E-08	1.57E-08	7.17E-09	6.30E-09	0.00E+00	0.00E+00	2.61E-09	5.89E-10	3.74E-09	5.76E-10	4.87E-10	7.99E-09
6067	477185.12	3849697.05	2.32E-05	2.84E-05	2.49E-05	8.03E-09	2.42E-08	1.40E-08	1.72E-08	1.56E-08	7.11E-09	6.24E-09	0.00E+00	0.00E+00	2.58E-09	5.83E-10	3.70E-09	5.71E-10	4.83E-10	7.92E-09
6068	477097.27	3849654.41	2.29E-05	2.80E-05	2.46E-05	7.92E-09	2.39E-08	1.38E-08	1.70E-08	1.54E-08	7.01E-09	6.15E-09	0.00E+00	0.00E+00	2.55E-09	5.76E-10	3.65E-09	5.63E-10	4.76E-10	7.81E-09
6069	477009.41	3849611.76	2.24E-05	2.74E-05	2.41E-05	7.75E-09	2.34E-08	1.36E-08	1.66E-08	1.50E-08	6.87E-09	6.02E-09	0.00E+00	0.00E+00	2.49E-09	5.63E-10	3.58E-09	5.51E-10	4.66E-10	7.65E-09
6070	476841.49	3849530.08	2.18E-05	2.67E-05	2.35E-05	7.56E-09	2.28E-08	1.32E-08	1.62E-08	1.47E-08	6.69E-09	5.87E-09	0.00E+00	0.00E+00	2.43E-09	5.49E-10	3.49E-09	5.38E-10	4.55E-10	7.46E-09
6071	476761.41	3849491.05	2.16E-05	2.65E-05	2.33E-05	7.49E-09	2.26E-08	1.31E-08	1.60E-08	1.45E-08	6.63E-09	5.82E-09	0.00E+00	0.00E+00	2.41E-09	5.44E-10	3.45E-09	5.33E-10	4.51E-10	7.39E-09
6072	476681.34	3849452.02	2.13E-05	2.61E-05	2.29E-05	7.38E-09	2.23E-08	1.29E-08	1.58E-08	1.43E-08	6.53E-09	5.73E-09	0.00E+00	0.00E+00	2.37E-09	5.36E-10	3.40E-09	5.25E-10	4.44E-10	7.28E-09
6073	476601.26	3849412.99	2.09E-05	2.57E-05	2.25E-05	7.25E-09	2.19E-08	1.27E-08	1.55E-08	1.41E-08	6.42E-09	5.63E-09	0.00E+00	0.00E+00	2.33E-09	5.27E-10	3.34E-09	5.15E-10	4.36E-10	7.15E-09
6074	476456.32	3849353.67	2.02E-05	2.48E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.44E-09	0.00E+00	0.00E+00	2.25E-09	5.09E-10	3.23E-09	4.98E-10	4.21E-10	6.91E-09
6075	476305.43	3849318.84	2.02E-05	2.48E-05	2.17E-05	7.00E-09	2.11E-08	1.22E-08	1.50E-08	1.36E-08	6.20E-09	5.44E-09	0.00E+00	0.00E+00	2.25E-09	5.09E-10	3.23E-09	4.98E-10	4.21E-10	6.91E-09
6076	476129.36	3849289.99	2.01E-05	2.46E-05	2.15E-05	6.94E-09	2.10E-08	1.21E-08	1.49E-08	1.35E-08	6.15E-09	5.39E-09	0.00E+00	0.00E+00	2.23E-09	5.04E-10	3.20E-09	4.94E-10	4.18E-10	6.85E-09
6077	476039.31	3849275.68	2.00E-05	2.45E-05	2.15E-05	6.93E-09	2.09E-08	1.21E-08	1.48E-08	1.34E-08	6.14E-09	5.38E-09	0.00E+00	0.00E+00	2.23E-09	5.03E-10	3.19E-09	4.93E-10	4.17E-10	6.84E-09
6078	475949.26	3849261.38	1.97E-05	2.41E-05	2.11E-05	6.80E-09	2.05E-08	1.19E-08	1.46E-08	1.32E-08	6.02E-09	5.28E-09	0.00E+00	0.00E+00	2.19E-09	4.94E-10	3.14E-09	4.84E-10	4.09E-10	6.71E-09
6079	475859.21	3849247.08	1.96E-05	2.40E-05	2.10E-05	6.77E-09	2.04E-08	1.18E-08	1.45E-08	1.31E-08	5.99E-09	5.26E-09	0.00E+00	0.00E+00	2.18E-09	4.92E-10	3.12E-09	4.81E-10	4.07E-10	6.68E-09
6080	475769.16	3849232.77	1.94E-05	2.38E-05	2.08E-05	6.72E-09	2.03E-08	1.17E-08	1.44E-08	1.30E-08	5.95E-09	5.22E-09	0.00E+00	0.00E+00	2.16E-09	4.88E-10	3.10E-09	4.78E-10	4.04E-10	6.63E-09
6081	475585.23	3849219.27	1.75E-05	2.15E-05	1.88E-05	6.07E-09	1.83E-08	1.06E-08	1.30E-08	1.18E-08	5.38E-09	4.72E-09	0.00E+00	0.00E+00	1.95E-09	4.41E-10	2.80E-09	4.32E-10	3.65E-10	5.99E-09
6082	475444.5	3849150.35	1.83E-05	2.24E-05	1.96E-05	6.33E-09	1.91E-08	1.11E-08	1.35E-08	1.23E-08	5.60E-09	4.92E-09	0.00E+00	0.00E+00	2.03E-09	4.60E-10	2.92E-09	4.50E-10	3.81E-10	6.24E-09
6083	475334.18	3849118.71	1.83E-05	2.24E-05	1.97E-05	6.34E-09	1.91E-08	1.11E-08	1.36E-08	1.23E-08	5.62E-09	4.93E-09	0.00E+00	0.00E+00	2.04E-09	4.61E-10	2.92E-09	4.51E-10	3.81E-10	6.26E-09

6084	475230.47	3849060.57	1.81E-05	2.21E-05	1.94E-05	6.26E-09	1.89E-08	1.09E-08	1.34E-08	1.21E-08	5.54E-09	4.86E-09	0.00E+00	0.00E+00	2.01E-09	4.55E-10	2.89E-09	4.45E-10	3.76E-10	6.18E-09
6085	475110.86	3848960.97	1.76E-05	2.16E-05	1.89E-05	6.10E-09	1.84E-08	1.07E-08	1.31E-08	1.18E-08	5.40E-09	4.73E-09	0.00E+00	0.00E+00	1.96E-09	4.43E-10	2.81E-09	4.34E-10	3.67E-10	6.01E-09
6086	475037.79	3848896.28	1.72E-05	2.11E-05	1.85E-05	5.97E-09	1.80E-08	1.04E-08	1.28E-08	1.16E-08	5.28E-09	4.63E-09	0.00E+00	0.00E+00	1.92E-09	4.34E-10	2.75E-09	4.24E-10	3.59E-10	5.89E-09
6087	474964.72	3848831.59	1.69E-05	2.07E-05	1.81E-05	5.84E-09	1.76E-08	1.02E-08	1.25E-08	1.13E-08	5.17E-09	4.53E-09	0.00E+00	0.00E+00	1.88E-09	4.24E-10	2.69E-09	4.15E-10	3.51E-10	5.76E-09
6088	474891.65	3848766.9	1.66E-05	2.03E-05	1.78E-05	5.75E-09	1.74E-08	1.01E-08	1.23E-08	1.12E-08	5.09E-09	4.47E-09	0.00E+00	0.00E+00	1.85E-09	4.18E-10	2.65E-09	4.09E-10	3.46E-10	5.67E-09
6089	474818.58	3848702.22	1.64E-05	2.01E-05	1.76E-05	5.68E-09	1.72E-08	9.93E-09	1.22E-08	1.10E-08	5.03E-09	4.41E-09	0.00E+00	0.00E+00	1.83E-09	4.13E-10	2.62E-09	4.04E-10	3.42E-10	5.61E-09
6090	474745.51	3848637.53	1.64E-05	2.01E-05	1.76E-05	5.69E-09	1.72E-08	9.94E-09	1.22E-08	1.10E-08	5.04E-09	4.42E-09	0.00E+00	0.00E+00	1.83E-09	4.13E-10	2.62E-09	4.04E-10	3.42E-10	5.61E-09
6091	474672.44	3848572.84	1.63E-05	2.00E-05	1.75E-05	5.64E-09	1.70E-08	9.86E-09	1.21E-08	1.09E-08	4.99E-09	4.38E-09	0.00E+00	0.00E+00	1.81E-09	4.10E-10	2.60E-09	4.01E-10	3.39E-10	5.56E-09
6092	474599.37	3848508.15	1.60E-05	1.96E-05	1.72E-05	5.53E-09	1.67E-08	9.67E-09	1.18E-08	1.07E-08	4.90E-09	4.30E-09	0.00E+00	0.00E+00	1.78E-09	4.02E-10	2.55E-09	3.93E-10	3.33E-10	5.46E-09
6093	474526.3	3848443.46	1.58E-05	1.93E-05	1.69E-05	5.46E-09	1.65E-08	9.54E-09	1.17E-08	1.06E-08	4.83E-09	4.24E-09	0.00E+00	0.00E+00	1.75E-09	3.96E-10	2.52E-09	3.88E-10	3.28E-10	5.38E-09

IMF - Student Risk

		2028 RD			2033 RD			2048 RD		
Rec#	X, Y	Concentrat	Dose	Risk	Concentrat	Dose	Risk	Concentrat	Dose	Risk
1	485973.61, 3854936.51	1.14E-03	3.61E-07	1.05E-07	1.40E-03	4.43E-07	1.29E-07	1.23E-03	3.87E-07	1.12E-07
2	486023.61, 3854936.51	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.17E-03	3.70E-07	1.08E-07
3	486073.61, 3854936.51	1.06E-03	3.34E-07	9.72E-08	1.30E-03	4.09E-07	1.19E-07	1.13E-03	3.58E-07	1.04E-07
4	486123.61, 3854936.51	1.00E-03	3.16E-07	9.20E-08	1.23E-03	3.87E-07	1.13E-07	1.07E-03	3.39E-07	9.85E-08
5	486173.61, 3854936.51	9.82E-04	3.10E-07	9.01E-08	1.20E-03	3.80E-07	1.10E-07	1.05E-03	3.32E-07	9.65E-08
6	486223.61, 3854936.51	9.43E-04	2.98E-07	8.66E-08	1.16E-03	3.65E-07	1.06E-07	1.01E-03	3.19E-07	9.28E-08
7	486273.61, 3854936.51	9.13E-04	2.88E-07	8.38E-08	1.12E-03	3.53E-07	1.03E-07	9.78E-04	3.09E-07	8.98E-08
8	486323.61, 3854936.51	8.86E-04	2.80E-07	8.13E-08	1.09E-03	3.43E-07	9.96E-08	9.49E-04	3.00E-07	8.71E-08
9	485973.61, 3854986.51	1.24E-03	3.90E-07	1.13E-07	1.51E-03	4.78E-07	1.39E-07	1.32E-03	4.18E-07	1.22E-07
10	486023.61, 3854986.51	1.19E-03	3.75E-07	1.09E-07	1.45E-03	4.59E-07	1.34E-07	1.27E-03	4.01E-07	1.17E-07
11	486073.61, 3854986.51	1.14E-03	3.58E-07	1.04E-07	1.39E-03	4.39E-07	1.28E-07	1.22E-03	3.84E-07	1.12E-07
12	486123.61, 3854986.51	1.09E-03	3.43E-07	9.99E-08	1.33E-03	4.21E-07	1.22E-07	1.17E-03	3.68E-07	1.07E-07
13	486173.61, 3854986.51	1.06E-03	3.33E-07	9.69E-08	1.29E-03	4.08E-07	1.19E-07	1.13E-03	3.57E-07	1.04E-07
14	486223.61, 3854986.51	1.01E-03	3.19E-07	9.29E-08	1.24E-03	3.91E-07	1.14E-07	1.08E-03	3.42E-07	9.95E-08
15	486273.61, 3854986.51	9.68E-04	3.06E-07	8.89E-08	1.19E-03	3.74E-07	1.09E-07	1.04E-03	3.27E-07	9.52E-08
16	486323.61, 3854986.51	9.53E-04	3.01E-07	8.75E-08	1.17E-03	3.69E-07	1.07E-07	1.02E-03	3.22E-07	9.38E-08
17	485973.61, 3855036.51	1.33E-03	4.21E-07	1.23E-07	1.64E-03	5.16E-07	1.50E-07	1.43E-03	4.51E-07	1.31E-07
18	486023.61, 3855036.51	1.28E-03	4.03E-07	1.17E-07	1.56E-03	4.94E-07	1.44E-07	1.37E-03	4.32E-07	1.26E-07
19	486073.61, 3855036.51	1.21E-03	3.83E-07	1.11E-07	1.49E-03	4.69E-07	1.37E-07	1.30E-03	4.11E-07	1.19E-07
20	486123.61, 3855036.51	1.16E-03	3.67E-07	1.07E-07	1.43E-03	4.50E-07	1.31E-07	1.25E-03	3.94E-07	1.14E-07
21	486173.61, 3855036.51	1.13E-03	3.56E-07	1.04E-07	1.38E-03	4.36E-07	1.27E-07	1.21E-03	3.82E-07	1.11E-07
22	486223.61, 3855036.51	1.08E-03	3.40E-07	9.88E-08	1.32E-03	4.16E-07	1.21E-07	1.15E-03	3.64E-07	1.06E-07
23	486273.61, 3855036.51	1.05E-03	3.31E-07	9.63E-08	1.28E-03	4.05E-07	1.18E-07	1.12E-03	3.55E-07	1.03E-07
24	486323.61, 3855036.51	1.01E-03	3.19E-07	9.27E-08	1.24E-03	3.90E-07	1.14E-07	1.08E-03	3.42E-07	9.93E-08
25	485973.61, 3855086.51	1.43E-03	4.52E-07	1.31E-07	1.75E-03	5.53E-07	1.61E-07	1.53E-03	4.84E-07	1.41E-07
26	486023.61, 3855086.51	1.37E-03	4.34E-07	1.26E-07	1.68E-03	5.31E-07	1.54E-07	1.47E-03	4.65E-07	1.35E-07
27	486073.61, 3855086.51	1.30E-03	4.11E-07	1.20E-07	1.60E-03	5.04E-07	1.47E-07	1.40E-03	4.41E-07	1.28E-07
28	486123.61, 3855086.51	1.26E-03	3.96E-07	1.15E-07	1.54E-03	4.85E-07	1.41E-07	1.35E-03	4.25E-07	1.24E-07
29	486173.61, 3855086.51	1.20E-03	3.78E-07	1.10E-07	1.47E-03	4.63E-07	1.35E-07	1.28E-03	4.05E-07	1.18E-07
30	486223.61, 3855086.51	1.15E-03	3.64E-07	1.06E-07	1.41E-03	4.46E-07	1.30E-07	1.24E-03	3.91E-07	1.14E-07
31	485973.61, 3855136.51	1.54E-03	4.86E-07	1.41E-07	1.89E-03	5.95E-07	1.73E-07	1.65E-03	5.21E-07	1.52E-07
32	486023.61, 3855136.51	1.47E-03	4.64E-07	1.35E-07	1.80E-03	5.68E-07	1.65E-07	1.58E-03	4.97E-07	1.45E-07
33	486073.61, 3855136.51	1.40E-03	4.42E-07	1.29E-07	1.72E-03	5.42E-07	1.58E-07	1.50E-03	4.74E-07	1.38E-07
34	486123.61, 3855136.51	1.34E-03	4.23E-07	1.23E-07	1.64E-03	5.19E-07	1.51E-07	1.44E-03	4.54E-07	1.32E-07
35	486173.61, 3855136.51	1.28E-03	4.05E-07	1.18E-07	1.57E-03	4.96E-07	1.44E-07	1.38E-03	4.34E-07	1.26E-07
36	486223.61, 3855136.51	1.23E-03	3.88E-07	1.13E-07	1.51E-03	4.76E-07	1.38E-07	1.32E-03	4.17E-07	1.21E-07
37	485973.61, 3855186.51	1.65E-03	5.21E-07	1.52E-07	2.02E-03	6.38E-07	1.86E-07	1.77E-03	5.59E-07	1.63E-07
38	486023.61, 3855186.51	1.58E-03	4.98E-07	1.45E-07	1.93E-03	6.10E-07	1.77E-07	1.69E-03	5.34E-07	1.55E-07
39	486073.61, 3855186.51	1.50E-03	4.72E-07	1.37E-07	1.83E-03	5.78E-07	1.68E-07	1.61E-03	5.07E-07	1.47E-07
40	486123.61, 3855186.51	1.42E-03	4.48E-07	1.30E-07	1.74E-03	5.49E-07	1.60E-07	1.53E-03	4.81E-07	1.40E-07
41	486173.61, 3855186.51	1.36E-03	4.29E-07	1.25E-07	1.67E-03	5.26E-07	1.53E-07	1.46E-03	4.61E-07	1.34E-07
42	486223.61, 3855186.51	1.30E-03	4.12E-07	1.20E-07	1.60E-03	5.04E-07	1.47E-07	1.40E-03	4.42E-07	1.29E-07
43	486273.61, 3855186.51	1.25E-03	3.94E-07	1.15E-07	1.53E-03	4.83E-07	1.40E-07	1.34E-03	4.23E-07	1.23E-07
44	486323.61, 3855186.51	1.23E-03	3.88E-07	1.13E-07	1.51E-03	4.75E-07	1.38E-07	1.32E-03	4.16E-07	1.21E-07
45	485973.61, 3855236.51	1.76E-03	5.57E-07	1.62E-07	2.16E-03	6.82E-07	1.98E-07	1.89E-03	5.98E-07	1.74E-07
46	486023.61, 3855236.51	1.67E-03	5.28E-07	1.53E-07	2.05E-03	6.46E-07	1.88E-07	1.79E-03	5.67E-07	1.65E-07
47	486073.61, 3855236.51	1.58E-03	5.00E-07	1.45E-07	1.94E-03	6.12E-07	1.78E-07	1.70E-03	5.36E-07	1.56E-07
48	486123.61, 3855236.51	1.51E-03	4.77E-07	1.39E-07	1.85E-03	5.84E-07	1.70E-07	1.62E-03	5.12E-07	1.49E-07
49	486173.61, 3855236.51	1.44E-03	4.56E-07	1.33E-07	1.77E-03	5.59E-07	1.62E-07	1.55E-03	4.90E-07	1.42E-07
50	486223.61, 3855236.51	1.38E-03	4.36E-07	1.27E-07	1.69E-03	5.34E-07	1.55E-07	1.48E-03	4.68E-07	1.36E-07
51	486273.61, 3855236.51	1.30E-03	4.12E-07	1.20E-07	1.60E-03	5.05E-07	1.47E-07	1.40E-03	4.42E-07	1.29E-07
52	486323.61, 3855236.51	1.30E-03	4.10E-07	1.19E-07	1.59E-03	5.02E-07	1.46E-07	1.39E-03	4.40E-07	1.28E-07
53	485973.61, 3855286.51	1.88E-03	5.93E-07	1.72E-07	2.30E-03	7.26E-07	2.11E-07	2.02E-03	6.37E-07	1.85E-07
54	486023.61, 3855286.51	1.77E-03	5.60E-07	1.63E-07	2.17E-03	6.86E-07	1.99E-07	1.91E-03	6.02E-07	1.75E-07
55	486073.61, 3855286.51	1.68E-03	5.32E-07	1.55E-07	2.06E-03	6.51E-07	1.89E-07	1.81E-03	5.71E-07	1.66E-07
56	486123.61, 3855286.51	1.60E-03	5.04E-07	1.47E-07	1.96E-03	6.18E-07	1.80E-07	1.72E-03	5.42E-07	1.58E-07
57	486173.61, 3855286.51	1.52E-03	4.80E-07	1.40E-07	1.86E-03	5.88E-07	1.71E-07	1.63E-03	5.16E-07	1.50E-07
58	486223.61, 3855286.51	1.46E-03	4.60E-07	1.34E-07	1.79E-03	5.64E-07	1.64E-07	1.57E-03	4.94E-07	1.44E-07
59	486123.61, 3855336.51	1.69E-03	5.32E-07	1.55E-07	2.07E-03	6.52E-07	1.90E-07	1.81E-03	5.72E-07	1.66E-07
60	486173.61, 3855336.51	1.61E-03	5.08E-07	1.48E-07	1.97E-03	6.23E-07	1.81E-07	1.73E-03	5.46E-07	1.59E-07

61	486223.61, 3855336.51	1.54E-03	4.85E-07	1.41E-07	1.88E-03	5.94E-07	1.73E-07	1.65E-03	5.22E-07	1.52E-07
62	486123.61, 3855386.51	1.78E-03	5.63E-07	1.64E-07	2.19E-03	6.90E-07	2.01E-07	1.92E-03	6.05E-07	1.76E-07
63	486173.61, 3855386.51	1.70E-03	5.37E-07	1.56E-07	2.08E-03	6.58E-07	1.91E-07	1.83E-03	5.77E-07	1.68E-07
64	486223.61, 3855386.51	1.63E-03	5.13E-07	1.49E-07	1.99E-03	6.29E-07	1.83E-07	1.75E-03	5.52E-07	1.61E-07
65	486533.18, 3855443.15	1.37E-03	4.31E-07	1.25E-07	1.67E-03	5.28E-07	1.54E-07	1.47E-03	4.64E-07	1.35E-07
66	486583.18, 3855443.15	1.32E-03	4.15E-07	1.21E-07	1.61E-03	5.09E-07	1.48E-07	1.42E-03	4.47E-07	1.30E-07
67	486633.18, 3855443.15	1.27E-03	4.01E-07	1.17E-07	1.56E-03	4.91E-07	1.43E-07	1.37E-03	4.31E-07	1.25E-07
68	486683.18, 3855443.15	1.23E-03	3.90E-07	1.13E-07	1.51E-03	4.77E-07	1.39E-07	1.33E-03	4.19E-07	1.22E-07
69	486533.18, 3855493.15	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.53E-07	1.61E-07	1.54E-03	4.85E-07	1.41E-07
70	486583.18, 3855493.15	1.38E-03	4.36E-07	1.27E-07	1.69E-03	5.33E-07	1.55E-07	1.48E-03	4.69E-07	1.36E-07
71	486633.18, 3855493.15	1.33E-03	4.20E-07	1.22E-07	1.63E-03	5.15E-07	1.50E-07	1.43E-03	4.52E-07	1.31E-07
72	486683.18, 3855493.15	1.29E-03	4.06E-07	1.18E-07	1.58E-03	4.97E-07	1.45E-07	1.38E-03	4.37E-07	1.27E-07
73	486533.18, 3855543.15	1.50E-03	4.74E-07	1.38E-07	1.84E-03	5.81E-07	1.69E-07	1.62E-03	5.10E-07	1.48E-07
74	486583.18, 3855543.15	1.44E-03	4.54E-07	1.32E-07	1.76E-03	5.56E-07	1.62E-07	1.55E-03	4.88E-07	1.42E-07
75	486633.18, 3855543.15	1.39E-03	4.38E-07	1.27E-07	1.70E-03	5.37E-07	1.56E-07	1.49E-03	4.72E-07	1.37E-07
76	486683.18, 3855543.15	1.33E-03	4.20E-07	1.22E-07	1.63E-03	5.14E-07	1.50E-07	1.43E-03	4.52E-07	1.31E-07
77	486533.18, 3855593.15	1.57E-03	4.96E-07	1.44E-07	1.92E-03	6.07E-07	1.77E-07	1.69E-03	5.34E-07	1.55E-07
78	486583.18, 3855593.15	1.51E-03	4.75E-07	1.38E-07	1.84E-03	5.82E-07	1.69E-07	1.62E-03	5.12E-07	1.49E-07
79	486633.18, 3855593.15	1.45E-03	4.57E-07	1.33E-07	1.78E-03	5.60E-07	1.63E-07	1.56E-03	4.92E-07	1.43E-07
80	486683.18, 3855593.15	1.40E-03	4.42E-07	1.29E-07	1.72E-03	5.42E-07	1.58E-07	1.51E-03	4.76E-07	1.38E-07
81	486533.18, 3855643.15	1.65E-03	5.20E-07	1.51E-07	2.02E-03	6.36E-07	1.85E-07	1.77E-03	5.60E-07	1.63E-07
82	486583.18, 3855643.15	1.58E-03	4.99E-07	1.45E-07	1.94E-03	6.11E-07	1.78E-07	1.70E-03	5.37E-07	1.56E-07
83	486633.18, 3855643.15	1.52E-03	4.79E-07	1.39E-07	1.86E-03	5.87E-07	1.71E-07	1.63E-03	5.16E-07	1.50E-07
84	486683.18, 3855643.15	1.46E-03	4.62E-07	1.34E-07	1.79E-03	5.66E-07	1.65E-07	1.58E-03	4.97E-07	1.45E-07
85	486533.18, 3855693.15	1.74E-03	5.48E-07	1.59E-07	2.13E-03	6.71E-07	1.95E-07	1.87E-03	5.90E-07	1.72E-07
86	486583.18, 3855693.15	1.65E-03	5.21E-07	1.52E-07	2.02E-03	6.39E-07	1.86E-07	1.78E-03	5.62E-07	1.63E-07
87	486633.18, 3855693.15	1.57E-03	4.96E-07	1.44E-07	1.93E-03	6.08E-07	1.77E-07	1.69E-03	5.35E-07	1.55E-07
88	486683.18, 3855693.15	1.53E-03	4.82E-07	1.40E-07	1.87E-03	5.91E-07	1.72E-07	1.65E-03	5.19E-07	1.51E-07
89	486733.18, 3855693.15	1.50E-03	4.73E-07	1.38E-07	1.83E-03	5.79E-07	1.68E-07	1.61E-03	5.09E-07	1.48E-07
90	486783.18, 3855693.15	1.48E-03	4.66E-07	1.35E-07	1.81E-03	5.70E-07	1.66E-07	1.59E-03	5.01E-07	1.46E-07
91	486533.18, 3855743.15	1.82E-03	5.76E-07	1.67E-07	2.23E-03	7.05E-07	2.05E-07	1.96E-03	6.20E-07	1.80E-07
92	486583.18, 3855743.15	1.72E-03	5.43E-07	1.58E-07	2.11E-03	6.66E-07	1.94E-07	1.86E-03	5.86E-07	1.70E-07
93	486633.18, 3855743.15	1.65E-03	5.20E-07	1.51E-07	2.02E-03	6.37E-07	1.85E-07	1.78E-03	5.60E-07	1.63E-07
94	486683.18, 3855743.15	1.61E-03	5.08E-07	1.48E-07	1.97E-03	6.22E-07	1.81E-07	1.73E-03	5.47E-07	1.59E-07
95	486733.18, 3855743.15	1.56E-03	4.93E-07	1.43E-07	1.91E-03	6.04E-07	1.76E-07	1.68E-03	5.31E-07	1.54E-07
96	486783.18, 3855743.15	1.54E-03	4.87E-07	1.42E-07	1.89E-03	5.97E-07	1.74E-07	1.66E-03	5.25E-07	1.53E-07
97	486533.18, 3855793.15	1.92E-03	6.06E-07	1.76E-07	2.35E-03	7.42E-07	2.16E-07	2.07E-03	6.53E-07	1.90E-07
98	486583.18, 3855793.15	1.79E-03	5.65E-07	1.64E-07	2.19E-03	6.92E-07	2.01E-07	1.93E-03	6.09E-07	1.77E-07
99	486633.18, 3855793.15	1.74E-03	5.50E-07	1.60E-07	2.13E-03	6.73E-07	1.96E-07	1.88E-03	5.93E-07	1.72E-07
100	486683.18, 3855793.15	1.70E-03	5.36E-07	1.56E-07	2.08E-03	6.57E-07	1.91E-07	1.83E-03	5.78E-07	1.68E-07
101	486733.18, 3855793.15	1.65E-03	5.22E-07	1.52E-07	2.02E-03	6.39E-07	1.86E-07	1.78E-03	5.62E-07	1.63E-07
102	486783.18, 3855793.15	1.61E-03	5.09E-07	1.48E-07	1.98E-03	6.24E-07	1.81E-07	1.74E-03	5.49E-07	1.60E-07
103	486533.18, 3855843.15	2.01E-03	6.33E-07	1.84E-07	2.46E-03	7.75E-07	2.26E-07	2.16E-03	6.82E-07	1.98E-07
104	486583.18, 3855843.15	1.89E-03	5.96E-07	1.73E-07	2.31E-03	7.30E-07	2.12E-07	2.04E-03	6.42E-07	1.87E-07
105	486633.18, 3855843.15	1.84E-03	5.80E-07	1.69E-07	2.25E-03	7.10E-07	2.07E-07	1.98E-03	6.25E-07	1.82E-07
106	486683.18, 3855843.15	1.79E-03	5.65E-07	1.64E-07	2.19E-03	6.92E-07	2.01E-07	1.93E-03	6.09E-07	1.77E-07
107	486733.18, 3855843.15	1.74E-03	5.50E-07	1.60E-07	2.14E-03	6.74E-07	1.96E-07	1.88E-03	5.93E-07	1.73E-07
108	486783.18, 3855843.15	1.70E-03	5.36E-07	1.56E-07	2.08E-03	6.56E-07	1.91E-07	1.83E-03	5.77E-07	1.68E-07
109	486533.18, 3855893.15	2.07E-03	6.54E-07	1.90E-07	2.54E-03	8.01E-07	2.33E-07	2.23E-03	7.05E-07	2.05E-07
110	486583.18, 3855893.15	2.00E-03	6.32E-07	1.84E-07	2.45E-03	7.75E-07	2.25E-07	2.16E-03	6.82E-07	1.98E-07
111	486633.18, 3855893.15	1.94E-03	6.12E-07	1.78E-07	2.38E-03	7.50E-07	2.18E-07	2.09E-03	6.60E-07	1.92E-07
112	486683.18, 3855893.15	1.89E-03	5.95E-07	1.73E-07	2.31E-03	7.29E-07	2.12E-07	2.03E-03	6.42E-07	1.87E-07
113	486733.18, 3855893.15	1.84E-03	5.79E-07	1.68E-07	2.25E-03	7.09E-07	2.06E-07	1.98E-03	6.24E-07	1.82E-07
114	486783.18, 3855893.15	1.79E-03	5.66E-07	1.65E-07	2.20E-03	6.93E-07	2.02E-07	1.93E-03	6.10E-07	1.77E-07
115	486533.18, 3855943.15	2.19E-03	6.90E-07	2.01E-07	2.68E-03	8.45E-07	2.46E-07	2.36E-03	7.44E-07	2.16E-07
116	486583.18, 3855943.15	2.13E-03	6.73E-07	1.96E-07	2.61E-03	8.24E-07	2.40E-07	2.30E-03	7.26E-07	2.11E-07
117	486633.18, 3855943.15	2.05E-03	6.48E-07	1.88E-07	2.51E-03	7.93E-07	2.31E-07	2.21E-03	6.98E-07	2.03E-07
118	486683.18, 3855943.15	2.00E-03	6.31E-07	1.84E-07	2.45E-03	7.73E-07	2.25E-07	2.16E-03	6.80E-07	1.98E-07
119	486733.18, 3855943.15	1.94E-03	6.11E-07	1.78E-07	2.37E-03	7.48E-07	2.18E-07	2.09E-03	6.59E-07	1.92E-07
120	486783.18, 3855943.15	1.89E-03	5.97E-07	1.74E-07	2.32E-03	7.31E-07	2.13E-07	2.04E-03	6.43E-07	1.87E-07
121	486533.18, 3855993.15	2.33E-03	7.37E-07	2.14E-07	2.86E-03	9.02E-07	2.62E-07	2.52E-03	7.94E-07	2.31E-07
122	486583.18, 3855993.15	2.26E-03	7.12E-07	2.07E-07	2.76E-03	8.72E-07	2.54E-07	2.43E-03	7.68E-07	2.23E-07
123	486633.18, 3855993.15	2.18E-03	6.88E-07	2.00E-07	2.67E-03	8.42E-07	2.45E-07	2.35E-03	7.42E-07	2.16E-07
124	486683.18, 3855993.15	2.12E-03	6.68E-07	1.94E-07	2.59E-03	8.18E-07	2.38E-07	2.28E-03	7.21E-07	2.10E-07

125	486733.18, 3855993.15	2.05E-03	6.47E-07	1.88E-07	2.51E-03	7.93E-07	2.31E-07	2.21E-03	6.98E-07	2.03E-07
126	486783.18, 3855993.15	1.99E-03	6.29E-07	1.83E-07	2.44E-03	7.70E-07	2.24E-07	2.15E-03	6.78E-07	1.97E-07
127	486533.18, 3856043.15	2.49E-03	7.87E-07	2.29E-07	3.05E-03	9.64E-07	2.80E-07	2.69E-03	8.49E-07	2.47E-07
128	486583.18, 3856043.15	2.41E-03	7.61E-07	2.21E-07	2.95E-03	9.32E-07	2.71E-07	2.60E-03	8.21E-07	2.39E-07
129	486633.18, 3856043.15	2.32E-03	7.32E-07	2.13E-07	2.84E-03	8.96E-07	2.61E-07	2.50E-03	7.89E-07	2.30E-07
130	486683.18, 3856043.15	2.25E-03	7.11E-07	2.07E-07	2.76E-03	8.70E-07	2.53E-07	2.43E-03	7.66E-07	2.23E-07
131	486733.18, 3856043.15	2.17E-03	6.86E-07	1.99E-07	2.66E-03	8.40E-07	2.44E-07	2.34E-03	7.39E-07	2.15E-07
132	486783.18, 3856043.15	2.12E-03	6.68E-07	1.94E-07	2.59E-03	8.18E-07	2.38E-07	2.28E-03	7.20E-07	2.09E-07
133	486533.18, 3856093.15	2.69E-03	8.50E-07	2.47E-07	3.30E-03	1.04E-06	3.03E-07	2.91E-03	9.17E-07	2.67E-07
134	486583.18, 3856093.15	2.59E-03	8.16E-07	2.37E-07	3.17E-03	1.00E-06	2.91E-07	2.79E-03	8.80E-07	2.56E-07
135	486633.18, 3856093.15	2.48E-03	7.84E-07	2.28E-07	3.04E-03	9.60E-07	2.79E-07	2.68E-03	8.45E-07	2.46E-07
136	486683.18, 3856093.15	2.40E-03	7.58E-07	2.20E-07	2.94E-03	9.28E-07	2.70E-07	2.59E-03	8.17E-07	2.38E-07
137	486733.18, 3856093.15	2.31E-03	7.31E-07	2.12E-07	2.84E-03	8.95E-07	2.60E-07	2.50E-03	7.88E-07	2.29E-07
138	486783.18, 3856093.15	2.24E-03	7.08E-07	2.06E-07	2.75E-03	8.67E-07	2.52E-07	2.42E-03	7.64E-07	2.22E-07
139	486533.18, 3856143.15	2.92E-03	9.22E-07	2.68E-07	3.58E-03	1.13E-06	3.28E-07	3.15E-03	9.94E-07	2.89E-07
140	486583.18, 3856143.15	2.78E-03	8.77E-07	2.55E-07	3.40E-03	1.07E-06	3.13E-07	3.00E-03	9.46E-07	2.75E-07
141	486633.18, 3856143.15	2.67E-03	8.43E-07	2.45E-07	3.27E-03	1.03E-06	3.00E-07	2.88E-03	9.10E-07	2.65E-07
142	486683.18, 3856143.15	2.57E-03	8.10E-07	2.36E-07	3.14E-03	9.93E-07	2.89E-07	2.77E-03	8.74E-07	2.54E-07
143	486733.18, 3856143.15	2.47E-03	7.80E-07	2.27E-07	3.03E-03	9.56E-07	2.78E-07	2.67E-03	8.41E-07	2.45E-07
144	486783.18, 3856143.15	2.40E-03	7.57E-07	2.20E-07	2.94E-03	9.27E-07	2.70E-07	2.59E-03	8.17E-07	2.38E-07
145	486533.18, 3856193.15	3.21E-03	1.01E-06	2.94E-07	3.93E-03	1.24E-06	3.61E-07	3.46E-03	1.09E-06	3.18E-07
146	486583.18, 3856193.15	3.02E-03	9.53E-07	2.77E-07	3.70E-03	1.17E-06	3.40E-07	3.26E-03	1.03E-06	2.99E-07
147	486633.18, 3856193.15	2.89E-03	9.11E-07	2.65E-07	3.54E-03	1.12E-06	3.25E-07	3.11E-03	9.83E-07	2.86E-07
148	486683.18, 3856193.15	2.78E-03	8.76E-07	2.55E-07	3.40E-03	1.07E-06	3.12E-07	2.99E-03	9.45E-07	2.75E-07
149	486733.18, 3856193.15	2.65E-03	8.38E-07	2.44E-07	3.25E-03	1.03E-06	2.98E-07	2.86E-03	9.04E-07	2.63E-07
150	486783.18, 3856193.15	2.56E-03	8.09E-07	2.35E-07	3.14E-03	9.91E-07	2.88E-07	2.77E-03	8.73E-07	2.54E-07
151	486533.18, 3856243.15	3.54E-03	1.12E-06	3.25E-07	4.33E-03	1.37E-06	3.98E-07	3.82E-03	1.20E-06	3.50E-07
152	486583.18, 3856243.15	3.33E-03	1.05E-06	3.05E-07	4.07E-03	1.29E-06	3.74E-07	3.59E-03	1.13E-06	3.29E-07
153	486633.18, 3856243.15	3.14E-03	9.93E-07	2.89E-07	3.85E-03	1.22E-06	3.54E-07	3.39E-03	1.07E-06	3.11E-07
154	486683.18, 3856243.15	2.99E-03	9.45E-07	2.75E-07	3.67E-03	1.16E-06	3.37E-07	3.23E-03	1.02E-06	2.96E-07
155	486733.18, 3856243.15	2.87E-03	9.04E-07	2.63E-07	3.51E-03	1.11E-06	3.22E-07	3.09E-03	9.76E-07	2.84E-07
156	486783.18, 3856243.15	2.74E-03	8.65E-07	2.52E-07	3.36E-03	1.06E-06	3.08E-07	2.96E-03	9.33E-07	2.71E-07
157	486533.18, 3856293.15	3.95E-03	1.25E-06	3.63E-07	4.84E-03	1.53E-06	4.44E-07	4.27E-03	1.35E-06	3.92E-07
158	486583.18, 3856293.15	3.67E-03	1.16E-06	3.37E-07	4.50E-03	1.42E-06	4.13E-07	3.96E-03	1.25E-06	3.64E-07
159	486633.18, 3856293.15	3.44E-03	1.09E-06	3.16E-07	4.22E-03	1.33E-06	3.87E-07	3.72E-03	1.17E-06	3.41E-07
160	486683.18, 3856293.15	3.25E-03	1.03E-06	2.99E-07	3.99E-03	1.26E-06	3.66E-07	3.51E-03	1.11E-06	3.22E-07
161	486733.18, 3856293.15	3.10E-03	9.77E-07	2.84E-07	3.79E-03	1.20E-06	3.48E-07	3.34E-03	1.05E-06	3.07E-07
162	486783.18, 3856293.15	2.95E-03	9.30E-07	2.70E-07	3.61E-03	1.14E-06	3.31E-07	3.18E-03	1.00E-06	2.92E-07
163	486783.18, 3856343.15	3.19E-03	1.01E-06	2.92E-07	3.90E-03	1.23E-06	3.58E-07	3.44E-03	1.08E-06	3.16E-07
164	486833.18, 3856343.15	3.03E-03	9.55E-07	2.78E-07	3.71E-03	1.17E-06	3.40E-07	3.26E-03	1.03E-06	3.00E-07
165	486883.18, 3856343.15	2.88E-03	9.10E-07	2.65E-07	3.53E-03	1.12E-06	3.24E-07	3.11E-03	9.82E-07	2.86E-07
166	486783.18, 3856393.15	3.44E-03	1.09E-06	3.16E-07	4.22E-03	1.33E-06	3.87E-07	3.72E-03	1.17E-06	3.41E-07
167	486833.18, 3856393.15	3.25E-03	1.03E-06	2.99E-07	3.98E-03	1.26E-06	3.66E-07	3.51E-03	1.11E-06	3.22E-07
168	486883.18, 3856393.15	3.08E-03	9.72E-07	2.83E-07	3.77E-03	1.19E-06	3.46E-07	3.32E-03	1.05E-06	3.05E-07
169	487208.74, 3856886.11	4.15E-03	1.31E-06	3.81E-07	5.08E-03	1.60E-06	4.66E-07	4.47E-03	1.41E-06	4.10E-07
170	487258.74, 3856886.11	3.79E-03	1.20E-06	3.48E-07	4.65E-03	1.47E-06	4.26E-07	4.09E-03	1.29E-06	3.75E-07
171	487308.74, 3856886.11	3.49E-03	1.10E-06	3.21E-07	4.28E-03	1.35E-06	3.93E-07	3.77E-03	1.19E-06	3.46E-07
172	487358.74, 3856886.11	3.25E-03	1.02E-06	2.98E-07	3.98E-03	1.25E-06	3.65E-07	3.50E-03	1.10E-06	3.21E-07
173	487208.74, 3856936.11	4.42E-03	1.39E-06	4.05E-07	5.41E-03	1.71E-06	4.97E-07	4.76E-03	1.50E-06	4.37E-07
174	487258.74, 3856936.11	3.97E-03	1.25E-06	3.64E-07	4.86E-03	1.53E-06	4.46E-07	4.27E-03	1.35E-06	3.92E-07
175	487308.74, 3856936.11	3.61E-03	1.14E-06	3.31E-07	4.42E-03	1.40E-06	4.06E-07	3.89E-03	1.23E-06	3.57E-07
176	487358.74, 3856936.11	3.33E-03	1.05E-06	3.06E-07	4.08E-03	1.29E-06	3.74E-07	3.58E-03	1.13E-06	3.29E-07
177	487208.74, 3856986.11	4.44E-03	1.40E-06	4.07E-07	5.44E-03	1.72E-06	4.99E-07	4.78E-03	1.51E-06	4.38E-07
178	487258.74, 3856986.11	3.97E-03	1.25E-06	3.65E-07	4.86E-03	1.54E-06	4.47E-07	4.27E-03	1.35E-06	3.92E-07
179	487308.74, 3856986.11	3.63E-03	1.15E-06	3.33E-07	4.45E-03	1.40E-06	4.08E-07	3.90E-03	1.23E-06	3.58E-07
180	487358.74, 3856986.11	3.35E-03	1.06E-06	3.07E-07	4.10E-03	1.29E-06	3.77E-07	3.60E-03	1.14E-06	3.30E-07
181	487208.74, 3857036.11	4.25E-03	1.34E-06	3.90E-07	5.20E-03	1.64E-06	4.78E-07	4.56E-03	1.44E-06	4.18E-07
182	487258.74, 3857036.11	3.89E-03	1.23E-06	3.58E-07	4.77E-03	1.51E-06	4.38E-07	4.17E-03	1.32E-06	3.83E-07
183	487308.74, 3857036.11	3.60E-03	1.14E-06	3.30E-07	4.40E-03	1.39E-06	4.04E-07	3.85E-03	1.22E-06	3.54E-07
184	487358.74, 3857036.11	3.35E-03	1.06E-06	3.08E-07	4.10E-03	1.30E-06	3.77E-07	3.59E-03	1.13E-06	3.29E-07
185	487427.14, 3856878.23	2.94E-03	9.29E-07	2.70E-07	3.61E-03	1.14E-06	3.31E-07	3.17E-03	1.00E-06	2.91E-07
186	487477.14, 3856878.23	2.77E-03	8.75E-07	2.54E-07	3.39E-03	1.07E-06	3.12E-07	2.98E-03	9.42E-07	2.74E-07
187	487527.14, 3856878.23	2.62E-03	8.28E-07	2.41E-07	3.21E-03	1.01E-06	2.95E-07	2.82E-03	8.90E-07	2.59E-07
188	487427.14, 3856928.23	3.01E-03	9.50E-07	2.76E-07	3.69E-03	1.16E-06	3.39E-07	3.24E-03	1.02E-06	2.97E-07

189	487477.14, 3856928.23	2.83E-03	8.94E-07	2.60E-07	3.47E-03	1.09E-06	3.18E-07	3.04E-03	9.61E-07	2.79E-07
190	487527.14, 3856928.23	2.67E-03	8.44E-07	2.45E-07	3.27E-03	1.03E-06	3.01E-07	2.87E-03	9.07E-07	2.64E-07
191	487577.14, 3856928.23	2.53E-03	8.00E-07	2.33E-07	3.10E-03	9.80E-07	2.85E-07	2.72E-03	8.59E-07	2.50E-07
192	487627.14, 3856928.23	2.42E-03	7.62E-07	2.22E-07	2.96E-03	9.34E-07	2.72E-07	2.59E-03	8.18E-07	2.38E-07
193	487677.14, 3856928.23	2.31E-03	7.28E-07	2.12E-07	2.82E-03	8.91E-07	2.59E-07	2.47E-03	7.81E-07	2.27E-07
194	487727.14, 3856928.23	2.21E-03	6.96E-07	2.02E-07	2.70E-03	8.52E-07	2.48E-07	2.37E-03	7.47E-07	2.17E-07
195	487777.14, 3856928.23	2.12E-03	6.68E-07	1.94E-07	2.59E-03	8.18E-07	2.38E-07	2.27E-03	7.16E-07	2.08E-07
196	487427.14, 3856978.23	3.05E-03	9.62E-07	2.80E-07	3.73E-03	1.18E-06	3.43E-07	3.27E-03	1.03E-06	3.00E-07
197	487477.14, 3856978.23	2.87E-03	9.04E-07	2.63E-07	3.51E-03	1.11E-06	3.22E-07	3.07E-03	9.70E-07	2.82E-07
198	487527.14, 3856978.23	2.71E-03	8.55E-07	2.49E-07	3.32E-03	1.05E-06	3.04E-07	2.90E-03	9.16E-07	2.67E-07
199	487577.14, 3856978.23	2.57E-03	8.11E-07	2.36E-07	3.15E-03	9.94E-07	2.89E-07	2.76E-03	8.70E-07	2.53E-07
200	487627.14, 3856978.23	2.45E-03	7.74E-07	2.25E-07	3.00E-03	9.47E-07	2.76E-07	2.63E-03	8.29E-07	2.41E-07
201	487677.14, 3856978.23	2.34E-03	7.38E-07	2.15E-07	2.86E-03	9.04E-07	2.63E-07	2.51E-03	7.91E-07	2.30E-07
202	487727.14, 3856978.23	2.25E-03	7.09E-07	2.06E-07	2.75E-03	8.68E-07	2.52E-07	2.40E-03	7.59E-07	2.21E-07
203	487777.14, 3856978.23	2.15E-03	6.77E-07	1.97E-07	2.63E-03	8.30E-07	2.41E-07	2.30E-03	7.25E-07	2.11E-07
204	487427.14, 3857028.23	3.07E-03	9.68E-07	2.82E-07	3.76E-03	1.19E-06	3.45E-07	3.28E-03	1.04E-06	3.01E-07
205	487477.14, 3857028.23	2.89E-03	9.13E-07	2.66E-07	3.54E-03	1.12E-06	3.25E-07	3.10E-03	9.77E-07	2.84E-07
206	487527.14, 3857028.23	2.74E-03	8.66E-07	2.52E-07	3.36E-03	1.06E-06	3.08E-07	2.93E-03	9.26E-07	2.69E-07
207	487577.14, 3857028.23	2.61E-03	8.23E-07	2.39E-07	3.19E-03	1.01E-06	2.93E-07	2.79E-03	8.80E-07	2.56E-07
208	487627.14, 3857028.23	2.49E-03	7.86E-07	2.28E-07	3.05E-03	9.62E-07	2.80E-07	2.66E-03	8.40E-07	2.44E-07
209	487677.14, 3857028.23	2.38E-03	7.50E-07	2.18E-07	2.91E-03	9.19E-07	2.67E-07	2.54E-03	8.02E-07	2.33E-07
210	487727.14, 3857028.23	2.27E-03	7.18E-07	2.09E-07	2.78E-03	8.79E-07	2.56E-07	2.43E-03	7.67E-07	2.23E-07
211	487777.14, 3857028.23	2.18E-03	6.89E-07	2.00E-07	2.67E-03	8.43E-07	2.45E-07	2.33E-03	7.36E-07	2.14E-07
212	487427.14, 3857078.23	3.12E-03	9.84E-07	2.86E-07	3.82E-03	1.21E-06	3.51E-07	3.32E-03	1.05E-06	3.05E-07
213	487477.14, 3857078.23	2.95E-03	9.31E-07	2.71E-07	3.61E-03	1.14E-06	3.32E-07	3.14E-03	9.92E-07	2.89E-07
214	487527.14, 3857078.23	2.80E-03	8.83E-07	2.57E-07	3.42E-03	1.08E-06	3.14E-07	2.98E-03	9.41E-07	2.74E-07
215	487577.14, 3857078.23	2.66E-03	8.40E-07	2.44E-07	3.26E-03	1.03E-06	2.99E-07	2.83E-03	8.95E-07	2.60E-07
216	487627.14, 3857078.23	2.54E-03	8.01E-07	2.33E-07	3.11E-03	9.81E-07	2.85E-07	2.71E-03	8.54E-07	2.48E-07
217	487677.14, 3857078.23	2.43E-03	7.65E-07	2.23E-07	2.97E-03	9.37E-07	2.73E-07	2.58E-03	8.16E-07	2.37E-07
218	487727.14, 3857078.23	2.32E-03	7.32E-07	2.13E-07	2.84E-03	8.97E-07	2.61E-07	2.47E-03	7.80E-07	2.27E-07
219	487777.14, 3857078.23	2.23E-03	7.03E-07	2.04E-07	2.73E-03	8.61E-07	2.50E-07	2.37E-03	7.49E-07	2.18E-07
220	487427.14, 3857128.23	3.23E-03	1.02E-06	2.97E-07	3.96E-03	1.25E-06	3.63E-07	3.43E-03	1.08E-06	3.15E-07
221	487477.14, 3857128.23	3.05E-03	9.63E-07	2.80E-07	3.74E-03	1.18E-06	3.43E-07	3.24E-03	1.02E-06	2.97E-07
222	487527.14, 3857128.23	2.89E-03	9.12E-07	2.65E-07	3.54E-03	1.12E-06	3.25E-07	3.07E-03	9.68E-07	2.82E-07
223	487577.14, 3857128.23	2.74E-03	8.66E-07	2.52E-07	3.36E-03	1.06E-06	3.08E-07	2.91E-03	9.19E-07	2.67E-07
224	487627.14, 3857128.23	2.61E-03	8.24E-07	2.40E-07	3.20E-03	1.01E-06	2.93E-07	2.77E-03	8.75E-07	2.54E-07
225	487677.14, 3857128.23	2.49E-03	7.87E-07	2.29E-07	3.05E-03	9.63E-07	2.80E-07	2.65E-03	8.36E-07	2.43E-07
226	487727.14, 3857128.23	2.38E-03	7.51E-07	2.18E-07	2.91E-03	9.19E-07	2.67E-07	2.53E-03	7.98E-07	2.32E-07
227	487777.14, 3857128.23	2.28E-03	7.20E-07	2.09E-07	2.79E-03	8.81E-07	2.56E-07	2.42E-03	7.65E-07	2.23E-07
228	488049.44, 3856539.39	1.51E-03	4.77E-07	1.39E-07	1.85E-03	5.84E-07	1.70E-07	1.63E-03	5.14E-07	1.49E-07
229	488099.44, 3856539.39	1.47E-03	4.65E-07	1.35E-07	1.80E-03	5.69E-07	1.66E-07	1.59E-03	5.01E-07	1.46E-07
230	488149.44, 3856539.39	1.44E-03	4.53E-07	1.32E-07	1.76E-03	5.55E-07	1.61E-07	1.55E-03	4.88E-07	1.42E-07
231	488049.44, 3856589.39	1.55E-03	4.88E-07	1.42E-07	1.89E-03	5.97E-07	1.74E-07	1.66E-03	5.25E-07	1.53E-07
232	488099.44, 3856589.39	1.50E-03	4.75E-07	1.38E-07	1.84E-03	5.82E-07	1.69E-07	1.62E-03	5.11E-07	1.49E-07
233	488149.44, 3856589.39	1.47E-03	4.63E-07	1.35E-07	1.79E-03	5.66E-07	1.65E-07	1.58E-03	4.98E-07	1.45E-07
234	488199.44, 3856589.39	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.52E-07	1.61E-07	1.54E-03	4.85E-07	1.41E-07
235	488249.44, 3856589.39	1.39E-03	4.39E-07	1.28E-07	1.70E-03	5.38E-07	1.56E-07	1.50E-03	4.73E-07	1.37E-07
236	488049.44, 3856639.39	1.58E-03	4.98E-07	1.45E-07	1.93E-03	6.10E-07	1.77E-07	1.70E-03	5.36E-07	1.56E-07
237	488099.44, 3856639.39	1.54E-03	4.85E-07	1.41E-07	1.88E-03	5.93E-07	1.73E-07	1.65E-03	5.21E-07	1.52E-07
238	488149.44, 3856639.39	1.49E-03	4.72E-07	1.37E-07	1.83E-03	5.78E-07	1.68E-07	1.61E-03	5.07E-07	1.48E-07
239	488199.44, 3856639.39	1.45E-03	4.59E-07	1.34E-07	1.78E-03	5.62E-07	1.64E-07	1.56E-03	4.94E-07	1.44E-07
240	488249.44, 3856639.39	1.42E-03	4.47E-07	1.30E-07	1.74E-03	5.48E-07	1.59E-07	1.52E-03	4.81E-07	1.40E-07
241	488299.44, 3856639.39	1.38E-03	4.36E-07	1.27E-07	1.69E-03	5.34E-07	1.55E-07	1.49E-03	4.69E-07	1.36E-07
242	488349.44, 3856639.39	1.35E-03	4.26E-07	1.24E-07	1.65E-03	5.21E-07	1.52E-07	1.45E-03	4.57E-07	1.33E-07
243	488399.44, 3856639.39	1.32E-03	4.15E-07	1.21E-07	1.61E-03	5.08E-07	1.48E-07	1.41E-03	4.46E-07	1.30E-07
244	488099.44, 3856689.39	1.56E-03	4.94E-07	1.44E-07	1.92E-03	6.05E-07	1.76E-07	1.68E-03	5.31E-07	1.54E-07
245	488149.44, 3856689.39	1.52E-03	4.80E-07	1.40E-07	1.86E-03	5.88E-07	1.71E-07	1.64E-03	5.16E-07	1.50E-07
246	488199.44, 3856689.39	1.48E-03	4.67E-07	1.36E-07	1.81E-03	5.72E-07	1.66E-07	1.59E-03	5.02E-07	1.46E-07
247	488249.44, 3856689.39	1.44E-03	4.55E-07	1.32E-07	1.77E-03	5.57E-07	1.62E-07	1.55E-03	4.89E-07	1.42E-07
248	488299.44, 3856689.39	1.40E-03	4.43E-07	1.29E-07	1.72E-03	5.43E-07	1.58E-07	1.51E-03	4.76E-07	1.39E-07
249	488349.44, 3856689.39	1.37E-03	4.32E-07	1.26E-07	1.68E-03	5.29E-07	1.54E-07	1.47E-03	4.64E-07	1.35E-07
250	488399.44, 3856689.39	1.34E-03	4.22E-07	1.23E-07	1.64E-03	5.17E-07	1.50E-07	1.44E-03	4.53E-07	1.32E-07
251	488099.44, 3856739.39	1.59E-03	5.02E-07	1.46E-07	1.95E-03	6.15E-07	1.79E-07	1.71E-03	5.40E-07	1.57E-07
252	488149.44, 3856739.39	1.55E-03	4.88E-07	1.42E-07	1.90E-03	5.98E-07	1.74E-07	1.66E-03	5.25E-07	1.53E-07

253	488199.44, 3856739.39	1.50E-03	4.75E-07	1.38E-07	1.84E-03	5.81E-07	1.69E-07	1.62E-03	5.10E-07	1.48E-07
254	488249.44, 3856739.39	1.46E-03	4.62E-07	1.34E-07	1.79E-03	5.66E-07	1.65E-07	1.57E-03	4.96E-07	1.44E-07
255	488299.44, 3856739.39	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.52E-07	1.61E-07	1.53E-03	4.84E-07	1.41E-07
256	488349.44, 3856739.39	1.39E-03	4.39E-07	1.28E-07	1.70E-03	5.37E-07	1.56E-07	1.49E-03	4.71E-07	1.37E-07
257	488399.44, 3856739.39	1.35E-03	4.27E-07	1.24E-07	1.66E-03	5.23E-07	1.52E-07	1.45E-03	4.59E-07	1.33E-07
258	487999.44, 3856789.39	1.72E-03	5.44E-07	1.58E-07	2.11E-03	6.66E-07	1.94E-07	1.85E-03	5.84E-07	1.70E-07
259	488049.44, 3856789.39	1.67E-03	5.27E-07	1.53E-07	2.04E-03	6.45E-07	1.88E-07	1.79E-03	5.66E-07	1.65E-07
260	488099.44, 3856789.39	1.62E-03	5.11E-07	1.49E-07	1.98E-03	6.25E-07	1.82E-07	1.74E-03	5.48E-07	1.60E-07
261	488149.44, 3856789.39	1.57E-03	4.96E-07	1.44E-07	1.93E-03	6.08E-07	1.77E-07	1.69E-03	5.33E-07	1.55E-07
262	488199.44, 3856789.39	1.53E-03	4.82E-07	1.40E-07	1.87E-03	5.90E-07	1.72E-07	1.64E-03	5.18E-07	1.51E-07
263	488249.44, 3856789.39	1.49E-03	4.69E-07	1.36E-07	1.82E-03	5.74E-07	1.67E-07	1.60E-03	5.03E-07	1.46E-07
264	488299.44, 3856789.39	1.45E-03	4.57E-07	1.33E-07	1.77E-03	5.60E-07	1.63E-07	1.55E-03	4.91E-07	1.43E-07
265	488349.44, 3856789.39	1.41E-03	4.45E-07	1.29E-07	1.72E-03	5.44E-07	1.58E-07	1.51E-03	4.77E-07	1.39E-07
266	488399.44, 3856789.39	1.37E-03	4.33E-07	1.26E-07	1.68E-03	5.30E-07	1.54E-07	1.47E-03	4.64E-07	1.35E-07
267	487949.44, 3856839.39	1.81E-03	5.72E-07	1.66E-07	2.22E-03	7.00E-07	2.04E-07	1.94E-03	6.14E-07	1.79E-07
268	487999.44, 3856839.39	1.75E-03	5.53E-07	1.61E-07	2.15E-03	6.77E-07	1.97E-07	1.88E-03	5.94E-07	1.73E-07
269	488049.44, 3856839.39	1.70E-03	5.35E-07	1.56E-07	2.08E-03	6.56E-07	1.91E-07	1.82E-03	5.75E-07	1.67E-07
270	488099.44, 3856839.39	1.64E-03	5.19E-07	1.51E-07	2.01E-03	6.35E-07	1.85E-07	1.76E-03	5.57E-07	1.62E-07
271	488149.44, 3856839.39	1.59E-03	5.03E-07	1.46E-07	1.95E-03	6.16E-07	1.79E-07	1.71E-03	5.40E-07	1.57E-07
272	488199.44, 3856839.39	1.55E-03	4.89E-07	1.42E-07	1.90E-03	5.99E-07	1.74E-07	1.66E-03	5.24E-07	1.53E-07
273	487949.44, 3856889.39	1.84E-03	5.81E-07	1.69E-07	2.25E-03	7.12E-07	2.07E-07	1.97E-03	6.23E-07	1.81E-07
274	487999.44, 3856889.39	1.78E-03	5.61E-07	1.63E-07	2.18E-03	6.87E-07	2.00E-07	1.91E-03	6.02E-07	1.75E-07
275	488049.44, 3856889.39	1.72E-03	5.44E-07	1.58E-07	2.11E-03	6.66E-07	1.94E-07	1.85E-03	5.83E-07	1.70E-07
276	488099.44, 3856889.39	1.67E-03	5.26E-07	1.53E-07	2.04E-03	6.45E-07	1.87E-07	1.79E-03	5.64E-07	1.64E-07
277	488635.86, 3857895.05	1.15E-03	3.64E-07	1.06E-07	1.41E-03	4.45E-07	1.30E-07	1.24E-03	3.90E-07	1.13E-07
278	489137.64, 3857804.15	9.17E-04	2.89E-07	8.42E-08	1.12E-03	3.54E-07	1.03E-07	9.83E-04	3.10E-07	9.02E-08
279	488617.32, 3857859.41	1.19E-03	3.75E-07	1.09E-07	1.46E-03	4.59E-07	1.34E-07	1.27E-03	4.02E-07	1.17E-07
280	488667.32, 3857859.41	1.15E-03	3.63E-07	1.06E-07	1.41E-03	4.45E-07	1.29E-07	1.23E-03	3.90E-07	1.13E-07
281	488717.32, 3857859.41	1.12E-03	3.52E-07	1.03E-07	1.37E-03	4.32E-07	1.26E-07	1.20E-03	3.78E-07	1.10E-07
282	488767.32, 3857859.41	1.08E-03	3.42E-07	9.94E-08	1.33E-03	4.18E-07	1.22E-07	1.16E-03	3.66E-07	1.07E-07
283	488617.32, 3857909.41	1.16E-03	3.65E-07	1.06E-07	1.42E-03	4.47E-07	1.30E-07	1.24E-03	3.92E-07	1.14E-07
284	488667.32, 3857909.41	1.12E-03	3.54E-07	1.03E-07	1.37E-03	4.33E-07	1.26E-07	1.20E-03	3.79E-07	1.10E-07
285	488717.32, 3857909.41	1.09E-03	3.44E-07	1.00E-07	1.33E-03	4.21E-07	1.22E-07	1.17E-03	3.69E-07	1.07E-07
286	488767.32, 3857909.41	1.06E-03	3.34E-07	9.71E-08	1.29E-03	4.09E-07	1.19E-07	1.13E-03	3.58E-07	1.04E-07
287	488417.32, 3857959.41	1.30E-03	4.09E-07	1.19E-07	1.59E-03	5.01E-07	1.46E-07	1.39E-03	4.40E-07	1.28E-07
288	488467.32, 3857959.41	1.25E-03	3.95E-07	1.15E-07	1.53E-03	4.83E-07	1.40E-07	1.34E-03	4.24E-07	1.23E-07
289	488517.32, 3857959.41	1.21E-03	3.81E-07	1.11E-07	1.48E-03	4.66E-07	1.36E-07	1.30E-03	4.09E-07	1.19E-07
290	488567.32, 3857959.41	1.17E-03	3.68E-07	1.07E-07	1.43E-03	4.51E-07	1.31E-07	1.25E-03	3.95E-07	1.15E-07
291	488617.32, 3857959.41	1.13E-03	3.57E-07	1.04E-07	1.38E-03	4.37E-07	1.27E-07	1.21E-03	3.83E-07	1.11E-07
292	488667.32, 3857959.41	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
293	488717.32, 3857959.41	1.06E-03	3.36E-07	9.77E-08	1.30E-03	4.11E-07	1.20E-07	1.14E-03	3.60E-07	1.05E-07
294	488767.32, 3857959.41	1.03E-03	3.27E-07	9.50E-08	1.27E-03	4.00E-07	1.16E-07	1.11E-03	3.50E-07	1.02E-07
295	488417.32, 3858009.41	1.27E-03	4.01E-07	1.17E-07	1.55E-03	4.91E-07	1.43E-07	1.36E-03	4.30E-07	1.25E-07
296	488467.32, 3858009.41	1.22E-03	3.86E-07	1.12E-07	1.50E-03	4.73E-07	1.38E-07	1.31E-03	4.15E-07	1.21E-07
297	488517.32, 3858009.41	1.18E-03	3.73E-07	1.09E-07	1.45E-03	4.57E-07	1.33E-07	1.27E-03	4.01E-07	1.17E-07
298	488567.32, 3858009.41	1.15E-03	3.61E-07	1.05E-07	1.40E-03	4.42E-07	1.29E-07	1.23E-03	3.88E-07	1.13E-07
299	488617.32, 3858009.41	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.29E-07	1.25E-07	1.19E-03	3.76E-07	1.09E-07
300	488667.32, 3858009.41	1.08E-03	3.40E-07	9.88E-08	1.32E-03	4.16E-07	1.21E-07	1.16E-03	3.65E-07	1.06E-07
301	488717.32, 3858009.41	1.05E-03	3.30E-07	9.60E-08	1.28E-03	4.04E-07	1.18E-07	1.12E-03	3.54E-07	1.03E-07
302	488767.32, 3858009.41	1.02E-03	3.21E-07	9.33E-08	1.24E-03	3.93E-07	1.14E-07	1.09E-03	3.45E-07	1.00E-07
303	488417.32, 3858059.41	1.26E-03	3.97E-07	1.15E-07	1.54E-03	4.85E-07	1.41E-07	1.35E-03	4.26E-07	1.24E-07
304	488467.32, 3858059.41	1.21E-03	3.82E-07	1.11E-07	1.48E-03	4.68E-07	1.36E-07	1.30E-03	4.11E-07	1.20E-07
305	488517.32, 3858059.41	1.17E-03	3.69E-07	1.07E-07	1.43E-03	4.52E-07	1.32E-07	1.26E-03	3.97E-07	1.15E-07
306	488567.32, 3858059.41	1.13E-03	3.58E-07	1.04E-07	1.39E-03	4.38E-07	1.27E-07	1.22E-03	3.84E-07	1.12E-07
307	488617.32, 3858059.41	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.18E-03	3.72E-07	1.08E-07
308	488667.32, 3858059.41	1.06E-03	3.36E-07	9.77E-08	1.30E-03	4.11E-07	1.20E-07	1.14E-03	3.61E-07	1.05E-07
309	488417.32, 3858109.41	1.26E-03	3.97E-07	1.15E-07	1.54E-03	4.86E-07	1.41E-07	1.35E-03	4.27E-07	1.24E-07
310	488467.32, 3858109.41	1.21E-03	3.83E-07	1.11E-07	1.48E-03	4.69E-07	1.36E-07	1.30E-03	4.11E-07	1.20E-07
311	488517.32, 3858109.41	1.17E-03	3.70E-07	1.08E-07	1.43E-03	4.53E-07	1.32E-07	1.26E-03	3.97E-07	1.16E-07
312	488567.32, 3858109.41	1.13E-03	3.57E-07	1.04E-07	1.38E-03	4.37E-07	1.27E-07	1.22E-03	3.84E-07	1.12E-07
313	488617.32, 3858109.41	1.09E-03	3.45E-07	1.00E-07	1.34E-03	4.23E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
314	488667.32, 3858109.41	1.06E-03	3.34E-07	9.71E-08	1.30E-03	4.09E-07	1.19E-07	1.14E-03	3.59E-07	1.04E-07
315	488769.93, 3858449.27	1.18E-03	3.73E-07	1.08E-07	1.45E-03	4.56E-07	1.33E-07	1.27E-03	4.02E-07	1.17E-07
316	488819.93, 3858449.27	1.11E-03	3.51E-07	1.02E-07	1.36E-03	4.30E-07	1.25E-07	1.20E-03	3.79E-07	1.10E-07

317	488819.93, 3858499.27	1.18E-03	3.74E-07	1.09E-07	1.45E-03	4.58E-07	1.33E-07	1.28E-03	4.03E-07	1.17E-07
318	488869.93, 3858499.27	1.11E-03	3.51E-07	1.02E-07	1.36E-03	4.30E-07	1.25E-07	1.20E-03	3.79E-07	1.10E-07
319	488869.93, 3858549.27	1.19E-03	3.75E-07	1.09E-07	1.46E-03	4.60E-07	1.34E-07	1.28E-03	4.05E-07	1.18E-07
320	489438.17, 3859571.48	2.02E-04	6.36E-08	1.85E-08	2.47E-04	7.79E-08	2.27E-08	2.17E-04	6.84E-08	1.99E-08
321	489488.17, 3859571.48	2.01E-04	6.35E-08	1.85E-08	2.46E-04	7.77E-08	2.26E-08	2.16E-04	6.82E-08	1.98E-08
322	489538.17, 3859571.48	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.74E-08	2.25E-08	2.15E-04	6.79E-08	1.98E-08
323	489588.17, 3859571.48	1.99E-04	6.28E-08	1.83E-08	2.44E-04	7.69E-08	2.24E-08	2.14E-04	6.75E-08	1.96E-08
324	489438.17, 3859621.48	1.93E-04	6.08E-08	1.77E-08	2.36E-04	7.45E-08	2.17E-08	2.07E-04	6.54E-08	1.90E-08
325	489488.17, 3859621.48	1.93E-04	6.08E-08	1.77E-08	2.36E-04	7.44E-08	2.17E-08	2.07E-04	6.53E-08	1.90E-08
326	489538.17, 3859621.48	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.52E-08	1.90E-08
327	489588.17, 3859621.48	1.92E-04	6.05E-08	1.76E-08	2.35E-04	7.41E-08	2.15E-08	2.06E-04	6.50E-08	1.89E-08
328	489238.17, 3859671.48	1.83E-04	5.77E-08	1.68E-08	2.24E-04	7.06E-08	2.05E-08	1.96E-04	6.20E-08	1.80E-08
329	489288.17, 3859671.48	1.83E-04	5.78E-08	1.68E-08	2.24E-04	7.08E-08	2.06E-08	1.97E-04	6.21E-08	1.81E-08
330	489338.17, 3859671.48	1.84E-04	5.80E-08	1.69E-08	2.25E-04	7.11E-08	2.07E-08	1.98E-04	6.24E-08	1.81E-08
331	489388.17, 3859671.48	1.85E-04	5.83E-08	1.69E-08	2.26E-04	7.14E-08	2.08E-08	1.98E-04	6.26E-08	1.82E-08
332	489438.17, 3859671.48	1.85E-04	5.83E-08	1.70E-08	2.26E-04	7.14E-08	2.08E-08	1.98E-04	6.26E-08	1.82E-08
333	489488.17, 3859671.48	1.85E-04	5.84E-08	1.70E-08	2.27E-04	7.15E-08	2.08E-08	1.99E-04	6.27E-08	1.82E-08
334	489538.17, 3859671.48	1.85E-04	5.84E-08	1.70E-08	2.26E-04	7.15E-08	2.08E-08	1.99E-04	6.27E-08	1.82E-08
335	489588.17, 3859671.48	1.85E-04	5.83E-08	1.70E-08	2.26E-04	7.14E-08	2.08E-08	1.98E-04	6.26E-08	1.82E-08
336	489238.17, 3859721.48	1.75E-04	5.52E-08	1.61E-08	2.14E-04	6.76E-08	1.97E-08	1.88E-04	5.93E-08	1.73E-08
337	489288.17, 3859721.48	1.76E-04	5.55E-08	1.61E-08	2.15E-04	6.80E-08	1.98E-08	1.89E-04	5.97E-08	1.74E-08
338	489338.17, 3859721.48	1.77E-04	5.57E-08	1.62E-08	2.16E-04	6.82E-08	1.98E-08	1.90E-04	5.99E-08	1.74E-08
339	489388.17, 3859721.48	1.77E-04	5.59E-08	1.63E-08	2.17E-04	6.84E-08	1.99E-08	1.90E-04	6.00E-08	1.75E-08
340	489438.17, 3859721.48	1.77E-04	5.59E-08	1.63E-08	2.17E-04	6.85E-08	1.99E-08	1.90E-04	6.01E-08	1.75E-08
341	489488.17, 3859721.48	1.78E-04	5.61E-08	1.63E-08	2.18E-04	6.87E-08	2.00E-08	1.91E-04	6.03E-08	1.75E-08
342	489538.17, 3859721.48	1.78E-04	5.62E-08	1.63E-08	2.18E-04	6.88E-08	2.00E-08	1.91E-04	6.03E-08	1.76E-08
343	489588.17, 3859721.48	1.78E-04	5.62E-08	1.63E-08	2.18E-04	6.88E-08	2.00E-08	1.91E-04	6.03E-08	1.76E-08
344	489238.17, 3859771.48	1.68E-04	5.30E-08	1.54E-08	2.06E-04	6.50E-08	1.89E-08	1.81E-04	5.70E-08	1.66E-08
345	489288.17, 3859771.48	1.69E-04	5.33E-08	1.55E-08	2.07E-04	6.53E-08	1.90E-08	1.81E-04	5.73E-08	1.67E-08
346	489338.17, 3859771.48	1.69E-04	5.35E-08	1.56E-08	2.07E-04	6.55E-08	1.90E-08	1.82E-04	5.74E-08	1.67E-08
347	489388.17, 3859771.48	1.70E-04	5.36E-08	1.56E-08	2.08E-04	6.57E-08	1.91E-08	1.83E-04	5.76E-08	1.68E-08
348	489438.17, 3859771.48	1.70E-04	5.37E-08	1.56E-08	2.09E-04	6.58E-08	1.91E-08	1.83E-04	5.77E-08	1.68E-08
349	489488.17, 3859771.48	1.71E-04	5.40E-08	1.57E-08	2.10E-04	6.61E-08	1.92E-08	1.84E-04	5.80E-08	1.69E-08
350	489538.17, 3859771.48	1.71E-04	5.41E-08	1.57E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.82E-08	1.69E-08
351	489588.17, 3859771.48	1.72E-04	5.41E-08	1.57E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.82E-08	1.69E-08
352	489238.17, 3859821.48	1.62E-04	5.10E-08	1.48E-08	1.98E-04	6.24E-08	1.82E-08	1.74E-04	5.48E-08	1.59E-08
353	489288.17, 3859821.48	1.62E-04	5.13E-08	1.49E-08	1.99E-04	6.28E-08	1.83E-08	1.74E-04	5.51E-08	1.60E-08
354	489338.17, 3859821.48	1.63E-04	5.14E-08	1.50E-08	2.00E-04	6.30E-08	1.83E-08	1.75E-04	5.52E-08	1.61E-08
355	489388.17, 3859821.48	1.63E-04	5.16E-08	1.50E-08	2.00E-04	6.32E-08	1.84E-08	1.76E-04	5.54E-08	1.61E-08
356	489438.17, 3859821.48	1.64E-04	5.18E-08	1.51E-08	2.01E-04	6.35E-08	1.85E-08	1.76E-04	5.57E-08	1.62E-08
357	489488.17, 3859821.48	1.65E-04	5.20E-08	1.51E-08	2.02E-04	6.37E-08	1.85E-08	1.77E-04	5.59E-08	1.63E-08
358	489538.17, 3859821.48	1.65E-04	5.22E-08	1.52E-08	2.03E-04	6.39E-08	1.86E-08	1.78E-04	5.61E-08	1.63E-08
359	489588.17, 3859821.48	1.66E-04	5.22E-08	1.52E-08	2.03E-04	6.40E-08	1.86E-08	1.78E-04	5.61E-08	1.63E-08
360	489238.17, 3859871.48	1.56E-04	4.91E-08	1.43E-08	1.91E-04	6.02E-08	1.75E-08	1.67E-04	5.28E-08	1.54E-08
361	489288.17, 3859871.48	1.56E-04	4.93E-08	1.43E-08	1.91E-04	6.04E-08	1.76E-08	1.68E-04	5.30E-08	1.54E-08
362	489338.17, 3859871.48	1.57E-04	4.95E-08	1.44E-08	1.92E-04	6.06E-08	1.76E-08	1.69E-04	5.32E-08	1.55E-08
363	489388.17, 3859871.48	1.58E-04	4.98E-08	1.45E-08	1.93E-04	6.10E-08	1.77E-08	1.69E-04	5.35E-08	1.56E-08
364	489438.17, 3859871.48	1.59E-04	5.01E-08	1.46E-08	1.94E-04	6.13E-08	1.78E-08	1.70E-04	5.38E-08	1.56E-08
365	489488.17, 3859871.48	1.60E-04	5.04E-08	1.47E-08	1.95E-04	6.17E-08	1.79E-08	1.71E-04	5.41E-08	1.57E-08
366	489538.17, 3859871.48	1.60E-04	5.04E-08	1.47E-08	1.96E-04	6.18E-08	1.80E-08	1.72E-04	5.42E-08	1.58E-08
367	489588.17, 3859871.48	1.60E-04	5.05E-08	1.47E-08	1.96E-04	6.19E-08	1.80E-08	1.72E-04	5.43E-08	1.58E-08
368	489238.17, 3859921.48	1.50E-04	4.75E-08	1.38E-08	1.84E-04	5.81E-08	1.69E-08	1.62E-04	5.10E-08	1.48E-08
369	489288.17, 3859921.48	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
370	489338.17, 3859921.48	1.52E-04	4.79E-08	1.39E-08	1.86E-04	5.87E-08	1.71E-08	1.63E-04	5.14E-08	1.50E-08
371	489388.17, 3859921.48	1.53E-04	4.82E-08	1.40E-08	1.87E-04	5.90E-08	1.72E-08	1.64E-04	5.17E-08	1.51E-08
372	489438.17, 3859921.48	1.54E-04	4.85E-08	1.41E-08	1.88E-04	5.94E-08	1.73E-08	1.65E-04	5.21E-08	1.52E-08
373	489488.17, 3859921.48	1.54E-04	4.87E-08	1.42E-08	1.89E-04	5.96E-08	1.73E-08	1.66E-04	5.23E-08	1.52E-08
374	489538.17, 3859921.48	1.55E-04	4.88E-08	1.42E-08	1.89E-04	5.98E-08	1.74E-08	1.66E-04	5.24E-08	1.52E-08
375	489588.17, 3859921.48	1.55E-04	4.89E-08	1.42E-08	1.90E-04	5.99E-08	1.74E-08	1.67E-04	5.26E-08	1.53E-08
376	489238.17, 3859971.48	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.94E-08	1.44E-08
377	489288.17, 3859971.48	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.65E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
378	489338.17, 3859971.48	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
379	489388.17, 3859971.48	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.71E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
380	489438.17, 3859971.48	1.49E-04	4.70E-08	1.37E-08	1.82E-04	5.76E-08	1.67E-08	1.60E-04	5.05E-08	1.47E-08

381	489488.17, 3859971.48	1.50E-04	4.72E-08	1.37E-08	1.83E-04	5.78E-08	1.68E-08	1.61E-04	5.07E-08	1.48E-08
382	489538.17, 3859971.48	1.50E-04	4.74E-08	1.38E-08	1.84E-04	5.80E-08	1.69E-08	1.61E-04	5.09E-08	1.48E-08
383	489588.17, 3859971.48	1.50E-04	4.75E-08	1.38E-08	1.84E-04	5.81E-08	1.69E-08	1.62E-04	5.10E-08	1.48E-08
384	483577.7, 3854071	7.35E-04	2.32E-07	6.75E-08	9.01E-04	2.84E-07	8.27E-08	7.92E-04	2.50E-07	7.27E-08
385	483627.7, 3854071	7.06E-04	2.23E-07	6.48E-08	8.64E-04	2.73E-07	7.94E-08	7.60E-04	2.40E-07	6.98E-08
386	483677.7, 3854071	6.78E-04	2.14E-07	6.22E-08	8.31E-04	2.62E-07	7.62E-08	7.30E-04	2.30E-07	6.70E-08
387	483727.7, 3854071	6.53E-04	2.06E-07	5.99E-08	8.00E-04	2.52E-07	7.34E-08	7.03E-04	2.22E-07	6.46E-08
388	483777.7, 3854071	6.25E-04	1.97E-07	5.74E-08	7.66E-04	2.42E-07	7.03E-08	6.73E-04	2.12E-07	6.18E-08
389	483577.7, 3854121	7.77E-04	2.45E-07	7.13E-08	9.52E-04	3.00E-07	8.74E-08	8.37E-04	2.64E-07	7.69E-08
390	483627.7, 3854121	7.43E-04	2.34E-07	6.82E-08	9.10E-04	2.87E-07	8.36E-08	8.00E-04	2.53E-07	7.35E-08
391	483677.7, 3854121	7.10E-04	2.24E-07	6.51E-08	8.70E-04	2.74E-07	7.98E-08	7.64E-04	2.41E-07	7.02E-08
392	483727.7, 3854121	6.77E-04	2.14E-07	6.22E-08	8.30E-04	2.62E-07	7.62E-08	7.29E-04	2.30E-07	6.69E-08
393	483777.7, 3854121	6.52E-04	2.06E-07	5.99E-08	7.99E-04	2.52E-07	7.34E-08	7.02E-04	2.22E-07	6.45E-08
394	483577.7, 3854171	8.16E-04	2.58E-07	7.49E-08	1.00E-03	3.16E-07	9.18E-08	8.79E-04	2.77E-07	8.07E-08
395	483627.7, 3854171	7.74E-04	2.44E-07	7.11E-08	9.49E-04	2.99E-07	8.71E-08	8.34E-04	2.63E-07	7.66E-08
396	483677.7, 3854171	7.40E-04	2.33E-07	6.79E-08	9.06E-04	2.86E-07	8.32E-08	7.97E-04	2.51E-07	7.31E-08
397	483727.7, 3854171	7.11E-04	2.24E-07	6.52E-08	8.71E-04	2.75E-07	7.99E-08	7.65E-04	2.41E-07	7.02E-08
398	483777.7, 3854171	6.83E-04	2.16E-07	6.27E-08	8.37E-04	2.64E-07	7.68E-08	7.35E-04	2.32E-07	6.75E-08
399	483827.7, 3854171	6.49E-04	2.05E-07	5.96E-08	7.95E-04	2.51E-07	7.30E-08	6.99E-04	2.21E-07	6.41E-08
400	483877.7, 3854171	6.25E-04	1.97E-07	5.74E-08	7.65E-04	2.42E-07	7.03E-08	6.73E-04	2.12E-07	6.17E-08
401	483727.7, 3854221	7.52E-04	2.37E-07	6.90E-08	9.21E-04	2.91E-07	8.46E-08	8.09E-04	2.55E-07	7.43E-08
402	483777.7, 3854221	7.21E-04	2.27E-07	6.62E-08	8.83E-04	2.79E-07	8.11E-08	7.76E-04	2.45E-07	7.12E-08
403	483827.7, 3854221	7.04E-04	2.22E-07	6.46E-08	8.63E-04	2.72E-07	7.92E-08	7.58E-04	2.39E-07	6.96E-08
404	483877.7, 3854221	6.72E-04	2.12E-07	6.17E-08	8.23E-04	2.60E-07	7.56E-08	7.23E-04	2.28E-07	6.64E-08
405	489150.19, 3858726.45	9.97E-04	3.15E-07	9.15E-08	1.22E-03	3.85E-07	1.12E-07	1.07E-03	3.39E-07	9.87E-08
406	489200.19, 3858726.45	9.25E-04	2.92E-07	8.49E-08	1.13E-03	3.58E-07	1.04E-07	9.97E-04	3.15E-07	9.15E-08
407	489150.19, 3858776.45	1.01E-03	3.20E-07	9.31E-08	1.24E-03	3.92E-07	1.14E-07	1.09E-03	3.45E-07	1.00E-07
408	489200.19, 3858776.45	9.25E-04	2.92E-07	8.49E-08	1.13E-03	3.58E-07	1.04E-07	9.97E-04	3.15E-07	9.15E-08
409	488919.6, 3856400.76	9.86E-04	3.11E-07	9.06E-08	1.21E-03	3.81E-07	1.11E-07	1.06E-03	3.35E-07	9.74E-08
410	488919.6, 3856450.76	1.00E-03	3.16E-07	9.19E-08	1.23E-03	3.87E-07	1.13E-07	1.08E-03	3.40E-07	9.88E-08
411	488969.6, 3856450.76	9.83E-04	3.10E-07	9.02E-08	1.20E-03	3.80E-07	1.10E-07	1.06E-03	3.33E-07	9.70E-08
412	488919.6, 3856500.76	1.01E-03	3.20E-07	9.32E-08	1.24E-03	3.92E-07	1.14E-07	1.09E-03	3.44E-07	1.00E-07
413	488969.6, 3856500.76	9.96E-04	3.14E-07	9.14E-08	1.22E-03	3.85E-07	1.12E-07	1.07E-03	3.38E-07	9.82E-08
414	488919.6, 3856550.76	1.03E-03	3.24E-07	9.44E-08	1.26E-03	3.97E-07	1.16E-07	1.10E-03	3.49E-07	1.01E-07
415	488969.6, 3856550.76	1.01E-03	3.18E-07	9.26E-08	1.24E-03	3.90E-07	1.13E-07	1.08E-03	3.42E-07	9.95E-08
416	488819.6, 3856600.76	1.08E-03	3.42E-07	9.94E-08	1.33E-03	4.19E-07	1.22E-07	1.16E-03	3.67E-07	1.07E-07
417	488869.6, 3856600.76	1.06E-03	3.35E-07	9.75E-08	1.30E-03	4.10E-07	1.19E-07	1.14E-03	3.60E-07	1.05E-07
418	488919.6, 3856600.76	1.04E-03	3.28E-07	9.55E-08	1.27E-03	4.02E-07	1.17E-07	1.12E-03	3.53E-07	1.03E-07
419	488819.6, 3856650.76	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
420	488869.6, 3856650.76	1.07E-03	3.39E-07	9.86E-08	1.32E-03	4.15E-07	1.21E-07	1.15E-03	3.64E-07	1.06E-07
421	488819.6, 3856700.76	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.28E-07	1.25E-07	1.19E-03	3.75E-07	1.09E-07
422	488869.6, 3856700.76	1.09E-03	3.43E-07	9.97E-08	1.33E-03	4.20E-07	1.22E-07	1.17E-03	3.68E-07	1.07E-07
423	488819.6, 3856750.76	1.12E-03	3.54E-07	1.03E-07	1.37E-03	4.33E-07	1.26E-07	1.20E-03	3.79E-07	1.10E-07
424	488869.6, 3856750.76	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
425	488819.6, 3857050.76	1.18E-03	3.72E-07	1.08E-07	1.44E-03	4.55E-07	1.32E-07	1.26E-03	3.97E-07	1.16E-07
426	488869.6, 3857050.76	1.15E-03	3.63E-07	1.06E-07	1.41E-03	4.44E-07	1.29E-07	1.23E-03	3.88E-07	1.13E-07
427	488919.6, 3857050.76	1.12E-03	3.55E-07	1.03E-07	1.38E-03	4.34E-07	1.26E-07	1.20E-03	3.79E-07	1.10E-07
428	488819.6, 3857100.76	1.18E-03	3.74E-07	1.09E-07	1.45E-03	4.58E-07	1.33E-07	1.27E-03	3.99E-07	1.16E-07
429	488869.6, 3857100.76	1.16E-03	3.65E-07	1.06E-07	1.42E-03	4.47E-07	1.30E-07	1.24E-03	3.90E-07	1.13E-07
430	488919.6, 3857100.76	1.13E-03	3.56E-07	1.04E-07	1.38E-03	4.37E-07	1.27E-07	1.21E-03	3.81E-07	1.11E-07
431	488819.6, 3857150.76	1.19E-03	3.76E-07	1.09E-07	1.46E-03	4.60E-07	1.34E-07	1.27E-03	4.01E-07	1.17E-07
432	488869.6, 3857150.76	1.16E-03	3.67E-07	1.07E-07	1.42E-03	4.49E-07	1.31E-07	1.24E-03	3.91E-07	1.14E-07
433	488919.6, 3857150.76	1.13E-03	3.58E-07	1.04E-07	1.39E-03	4.38E-07	1.27E-07	1.21E-03	3.82E-07	1.11E-07
434	488969.6, 3857150.76	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.28E-07	1.25E-07	1.18E-03	3.74E-07	1.09E-07
435	488819.6, 3857200.76	1.19E-03	3.77E-07	1.10E-07	1.46E-03	4.62E-07	1.34E-07	1.28E-03	4.03E-07	1.17E-07
436	488869.6, 3857200.76	1.16E-03	3.68E-07	1.07E-07	1.43E-03	4.50E-07	1.31E-07	1.24E-03	3.93E-07	1.14E-07
437	488919.6, 3857200.76	1.14E-03	3.59E-07	1.04E-07	1.39E-03	4.39E-07	1.28E-07	1.21E-03	3.83E-07	1.11E-07
438	488969.6, 3857200.76	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.29E-07	1.25E-07	1.19E-03	3.74E-07	1.09E-07
439	488819.6, 3857250.76	1.20E-03	3.78E-07	1.10E-07	1.47E-03	4.63E-07	1.35E-07	1.28E-03	4.04E-07	1.17E-07
440	488869.6, 3857250.76	1.17E-03	3.69E-07	1.07E-07	1.43E-03	4.51E-07	1.31E-07	1.25E-03	3.93E-07	1.14E-07
441	488919.6, 3857250.76	1.14E-03	3.59E-07	1.05E-07	1.39E-03	4.40E-07	1.28E-07	1.22E-03	3.84E-07	1.12E-07
442	488969.6, 3857250.76	1.11E-03	3.51E-07	1.02E-07	1.36E-03	4.30E-07	1.25E-07	1.19E-03	3.75E-07	1.09E-07
443	488819.6, 3857300.76	1.20E-03	3.78E-07	1.10E-07	1.47E-03	4.63E-07	1.35E-07	1.28E-03	4.04E-07	1.18E-07
444	488869.6, 3857300.76	1.17E-03	3.69E-07	1.07E-07	1.43E-03	4.51E-07	1.31E-07	1.25E-03	3.94E-07	1.14E-07

445	488919.6, 3857300.76	1.14E-03	3.59E-07	1.05E-07	1.39E-03	4.40E-07	1.28E-07	1.22E-03	3.84E-07	1.12E-07
446	488819.6, 3857450.76	1.19E-03	3.76E-07	1.09E-07	1.46E-03	4.61E-07	1.34E-07	1.27E-03	4.02E-07	1.17E-07
447	488869.6, 3857450.76	1.16E-03	3.66E-07	1.06E-07	1.42E-03	4.48E-07	1.30E-07	1.24E-03	3.91E-07	1.14E-07
448	488919.6, 3857450.76	1.13E-03	3.56E-07	1.03E-07	1.38E-03	4.36E-07	1.27E-07	1.20E-03	3.80E-07	1.11E-07
449	488819.6, 3857500.76	1.19E-03	3.74E-07	1.09E-07	1.45E-03	4.58E-07	1.33E-07	1.27E-03	4.00E-07	1.16E-07
450	488869.6, 3857500.76	1.15E-03	3.63E-07	1.06E-07	1.41E-03	4.45E-07	1.29E-07	1.23E-03	3.88E-07	1.13E-07
451	488919.6, 3857500.76	1.12E-03	3.53E-07	1.03E-07	1.37E-03	4.33E-07	1.26E-07	1.20E-03	3.78E-07	1.10E-07
452	488819.6, 3857550.76	1.18E-03	3.71E-07	1.08E-07	1.44E-03	4.55E-07	1.32E-07	1.26E-03	3.97E-07	1.15E-07
453	488869.6, 3857550.76	1.14E-03	3.60E-07	1.05E-07	1.40E-03	4.41E-07	1.28E-07	1.22E-03	3.85E-07	1.12E-07
454	488919.6, 3857550.76	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.29E-07	1.25E-07	1.19E-03	3.74E-07	1.09E-07
455	489663.71, 3860900.05	8.61E-05	2.72E-08	7.91E-09	1.05E-04	3.33E-08	9.68E-09	9.25E-05	2.92E-08	8.49E-09
456	489813.71, 3860900.05	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.30E-05	2.94E-08	8.54E-09
457	489863.71, 3860900.05	8.67E-05	2.74E-08	7.96E-09	1.06E-04	3.35E-08	9.75E-09	9.31E-05	2.94E-08	8.55E-09
458	489913.71, 3860900.05	8.70E-05	2.75E-08	7.99E-09	1.07E-04	3.36E-08	9.78E-09	9.34E-05	2.95E-08	8.58E-09
459	489963.71, 3860900.05	8.71E-05	2.75E-08	7.99E-09	1.07E-04	3.37E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
460	490013.71, 3860900.05	8.74E-05	2.76E-08	8.02E-09	1.07E-04	3.38E-08	9.83E-09	9.39E-05	2.96E-08	8.62E-09
461	490063.71, 3860900.05	8.76E-05	2.76E-08	8.04E-09	1.07E-04	3.39E-08	9.85E-09	9.41E-05	2.97E-08	8.64E-09
462	489663.71, 3860950.05	8.42E-05	2.66E-08	7.73E-09	1.03E-04	3.26E-08	9.47E-09	9.05E-05	2.86E-08	8.31E-09
463	489813.71, 3860950.05	8.47E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.10E-05	2.87E-08	8.35E-09
464	489863.71, 3860950.05	8.47E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.10E-05	2.87E-08	8.35E-09
465	489913.71, 3860950.05	8.49E-05	2.68E-08	7.80E-09	1.04E-04	3.28E-08	9.55E-09	9.12E-05	2.88E-08	8.38E-09
466	489963.71, 3860950.05	8.50E-05	2.68E-08	7.81E-09	1.04E-04	3.29E-08	9.56E-09	9.13E-05	2.88E-08	8.39E-09
467	490013.71, 3860950.05	8.53E-05	2.69E-08	7.83E-09	1.04E-04	3.30E-08	9.59E-09	9.16E-05	2.89E-08	8.41E-09
468	490063.71, 3860950.05	8.55E-05	2.70E-08	7.85E-09	1.05E-04	3.30E-08	9.61E-09	9.18E-05	2.90E-08	8.43E-09
469	489513.71, 3861000.05	8.23E-05	2.60E-08	7.56E-09	1.01E-04	3.18E-08	9.25E-09	8.84E-05	2.79E-08	8.12E-09
470	489563.71, 3861000.05	8.23E-05	2.60E-08	7.56E-09	1.01E-04	3.18E-08	9.26E-09	8.84E-05	2.79E-08	8.12E-09
471	489613.71, 3861000.05	8.24E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.85E-05	2.79E-08	8.13E-09
472	489663.71, 3861000.05	8.25E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.28E-09	8.86E-05	2.80E-08	8.13E-09
473	489713.71, 3861000.05	8.25E-05	2.60E-08	7.58E-09	1.01E-04	3.19E-08	9.28E-09	8.86E-05	2.80E-08	8.14E-09
474	489763.71, 3861000.05	8.26E-05	2.61E-08	7.58E-09	1.01E-04	3.19E-08	9.29E-09	8.87E-05	2.80E-08	8.15E-09
475	489813.71, 3861000.05	8.29E-05	2.62E-08	7.61E-09	1.02E-04	3.20E-08	9.32E-09	8.90E-05	2.81E-08	8.17E-09
476	489863.71, 3861000.05	8.29E-05	2.62E-08	7.61E-09	1.02E-04	3.20E-08	9.32E-09	8.90E-05	2.81E-08	8.17E-09
477	489913.71, 3861000.05	8.31E-05	2.62E-08	7.63E-09	1.02E-04	3.21E-08	9.34E-09	8.92E-05	2.82E-08	8.19E-09
478	489963.71, 3861000.05	8.31E-05	2.62E-08	7.63E-09	1.02E-04	3.21E-08	9.35E-09	8.93E-05	2.82E-08	8.20E-09
479	490013.71, 3861000.05	8.33E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.95E-05	2.82E-08	8.22E-09
480	490063.71, 3861000.05	8.35E-05	2.64E-08	7.67E-09	1.02E-04	3.23E-08	9.39E-09	8.97E-05	2.83E-08	8.23E-09
481	489513.71, 3861050.05	8.07E-05	2.55E-08	7.41E-09	9.88E-05	3.12E-08	9.07E-09	8.67E-05	2.74E-08	7.96E-09
482	489563.71, 3861050.05	8.07E-05	2.55E-08	7.41E-09	9.88E-05	3.12E-08	9.07E-09	8.67E-05	2.74E-08	7.96E-09
483	489613.71, 3861050.05	8.09E-05	2.55E-08	7.43E-09	9.91E-05	3.13E-08	9.09E-09	8.69E-05	2.74E-08	7.98E-09
484	489663.71, 3861050.05	8.08E-05	2.55E-08	7.42E-09	9.90E-05	3.12E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
485	489713.71, 3861050.05	8.08E-05	2.55E-08	7.42E-09	9.89E-05	3.12E-08	9.08E-09	8.68E-05	2.74E-08	7.97E-09
486	489763.71, 3861050.05	8.09E-05	2.55E-08	7.43E-09	9.91E-05	3.13E-08	9.10E-09	8.69E-05	2.74E-08	7.98E-09
487	489813.71, 3861050.05	8.10E-05	2.56E-08	7.44E-09	9.93E-05	3.13E-08	9.11E-09	8.70E-05	2.75E-08	7.99E-09
488	489863.71, 3861050.05	8.11E-05	2.56E-08	7.45E-09	9.93E-05	3.14E-08	9.12E-09	8.71E-05	2.75E-08	8.00E-09
489	489913.71, 3861050.05	8.12E-05	2.56E-08	7.46E-09	9.95E-05	3.14E-08	9.13E-09	8.72E-05	2.75E-08	8.01E-09
490	489963.71, 3861050.05	8.13E-05	2.57E-08	7.47E-09	9.96E-05	3.14E-08	9.14E-09	8.73E-05	2.76E-08	8.02E-09
491	490013.71, 3861050.05	8.16E-05	2.57E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.76E-08	8.04E-09
492	490063.71, 3861050.05	8.17E-05	2.58E-08	7.50E-09	1.00E-04	3.16E-08	9.18E-09	8.77E-05	2.77E-08	8.05E-09
493	489513.71, 3861100.05	7.93E-05	2.50E-08	7.28E-09	9.71E-05	3.07E-08	8.92E-09	8.52E-05	2.69E-08	7.82E-09
494	489563.71, 3861100.05	7.91E-05	2.50E-08	7.26E-09	9.69E-05	3.06E-08	8.89E-09	8.49E-05	2.68E-08	7.80E-09
495	489613.71, 3861100.05	7.89E-05	2.49E-08	7.24E-09	9.66E-05	3.05E-08	8.87E-09	8.47E-05	2.67E-08	7.78E-09
496	489663.71, 3861100.05	7.90E-05	2.49E-08	7.25E-09	9.67E-05	3.05E-08	8.88E-09	8.48E-05	2.68E-08	7.79E-09
497	489713.71, 3861100.05	7.90E-05	2.49E-08	7.26E-09	9.68E-05	3.06E-08	8.89E-09	8.49E-05	2.68E-08	7.79E-09
498	489763.71, 3861100.05	7.91E-05	2.50E-08	7.26E-09	9.69E-05	3.06E-08	8.90E-09	8.50E-05	2.68E-08	7.80E-09
499	489813.71, 3861100.05	7.93E-05	2.50E-08	7.28E-09	9.71E-05	3.06E-08	8.91E-09	8.51E-05	2.69E-08	7.82E-09
500	489863.71, 3861100.05	7.95E-05	2.51E-08	7.30E-09	9.74E-05	3.07E-08	8.94E-09	8.54E-05	2.69E-08	7.84E-09
501	489913.71, 3861100.05	7.95E-05	2.51E-08	7.30E-09	9.74E-05	3.07E-08	8.94E-09	8.54E-05	2.69E-08	7.84E-09
502	489963.71, 3861100.05	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
503	490013.71, 3861100.05	7.97E-05	2.51E-08	7.31E-09	9.76E-05	3.08E-08	8.96E-09	8.56E-05	2.70E-08	7.85E-09
504	490063.71, 3861100.05	7.98E-05	2.52E-08	7.33E-09	9.77E-05	3.08E-08	8.97E-09	8.57E-05	2.70E-08	7.87E-09
505	489713.71, 3861150.05	7.74E-05	2.44E-08	7.10E-09	9.48E-05	2.99E-08	8.70E-09	8.31E-05	2.62E-08	7.63E-09
506	489763.71, 3861150.05	7.75E-05	2.45E-08	7.12E-09	9.49E-05	3.00E-08	8.71E-09	8.32E-05	2.63E-08	7.64E-09
507	489813.71, 3861150.05	7.76E-05	2.45E-08	7.13E-09	9.51E-05	3.00E-08	8.73E-09	8.34E-05	2.63E-08	7.66E-09
508	489863.71, 3861150.05	7.77E-05	2.45E-08	7.14E-09	9.52E-05	3.00E-08	8.74E-09	8.35E-05	2.63E-08	7.66E-09

509	489913.71, 3861150.05	7.78E-05	2.46E-08	7.14E-09	9.53E-05	3.01E-08	8.75E-09	8.36E-05	2.64E-08	7.67E-09
510	489963.71, 3861150.05	7.78E-05	2.46E-08	7.15E-09	9.53E-05	3.01E-08	8.75E-09	8.36E-05	2.64E-08	7.68E-09
511	490013.71, 3861150.05	7.79E-05	2.46E-08	7.15E-09	9.54E-05	3.01E-08	8.76E-09	8.37E-05	2.64E-08	7.68E-09
512	490063.71, 3861150.05	7.81E-05	2.46E-08	7.17E-09	9.56E-05	3.02E-08	8.78E-09	8.38E-05	2.65E-08	7.70E-09
513	489613.71, 3861200.05	7.56E-05	2.39E-08	6.94E-09	9.26E-05	2.92E-08	8.50E-09	8.12E-05	2.56E-08	7.46E-09
514	489663.71, 3861200.05	7.57E-05	2.39E-08	6.95E-09	9.27E-05	2.93E-08	8.51E-09	8.13E-05	2.57E-08	7.47E-09
515	489713.71, 3861200.05	7.58E-05	2.39E-08	6.96E-09	9.29E-05	2.93E-08	8.52E-09	8.14E-05	2.57E-08	7.48E-09
516	489763.71, 3861200.05	7.59E-05	2.40E-08	6.97E-09	9.30E-05	2.93E-08	8.54E-09	8.15E-05	2.57E-08	7.49E-09
517	489813.71, 3861200.05	7.61E-05	2.40E-08	6.98E-09	9.32E-05	2.94E-08	8.55E-09	8.17E-05	2.58E-08	7.50E-09
518	489863.71, 3861200.05	7.62E-05	2.41E-08	7.00E-09	9.33E-05	2.95E-08	8.57E-09	8.19E-05	2.58E-08	7.51E-09
519	489913.71, 3861200.05	7.63E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.57E-09	8.19E-05	2.58E-08	7.52E-09
520	489963.71, 3861200.05	7.63E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.58E-09	8.19E-05	2.59E-08	7.52E-09
521	490013.71, 3861200.05	7.64E-05	2.41E-08	7.01E-09	9.35E-05	2.95E-08	8.58E-09	8.20E-05	2.59E-08	7.53E-09
522	490063.71, 3861200.05	7.64E-05	2.41E-08	7.02E-09	9.36E-05	2.95E-08	8.59E-09	8.21E-05	2.59E-08	7.53E-09
523	489513.71, 3861250.05	7.39E-05	2.33E-08	6.78E-09	9.05E-05	2.86E-08	8.31E-09	7.94E-05	2.50E-08	7.29E-09
524	489563.71, 3861250.05	7.41E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.33E-09	7.96E-05	2.51E-08	7.30E-09
525	489613.71, 3861250.05	7.42E-05	2.34E-08	6.81E-09	9.08E-05	2.87E-08	8.34E-09	7.97E-05	2.51E-08	7.31E-09
526	489663.71, 3861250.05	7.42E-05	2.34E-08	6.82E-09	9.09E-05	2.87E-08	8.35E-09	7.97E-05	2.52E-08	7.32E-09
527	489713.71, 3861250.05	7.43E-05	2.35E-08	6.82E-09	9.10E-05	2.87E-08	8.36E-09	7.98E-05	2.52E-08	7.33E-09
528	489763.71, 3861250.05	7.44E-05	2.35E-08	6.83E-09	9.12E-05	2.88E-08	8.37E-09	7.99E-05	2.52E-08	7.34E-09
529	489813.71, 3861250.05	7.45E-05	2.35E-08	6.84E-09	9.13E-05	2.88E-08	8.38E-09	8.00E-05	2.53E-08	7.35E-09
530	489863.71, 3861250.05	7.46E-05	2.36E-08	6.85E-09	9.14E-05	2.88E-08	8.39E-09	8.01E-05	2.53E-08	7.36E-09
531	489913.71, 3861250.05	7.47E-05	2.36E-08	6.86E-09	9.15E-05	2.89E-08	8.40E-09	8.03E-05	2.53E-08	7.37E-09
532	489963.71, 3861250.05	7.48E-05	2.36E-08	6.87E-09	9.16E-05	2.89E-08	8.41E-09	8.04E-05	2.54E-08	7.38E-09
533	490013.71, 3861250.05	7.49E-05	2.36E-08	6.87E-09	9.17E-05	2.89E-08	8.42E-09	8.04E-05	2.54E-08	7.38E-09
534	490063.71, 3861250.05	7.49E-05	2.36E-08	6.87E-09	9.17E-05	2.89E-08	8.42E-09	8.04E-05	2.54E-08	7.38E-09
535	489528.13, 3861308.47	7.22E-05	2.28E-08	6.63E-09	8.84E-05	2.79E-08	8.12E-09	7.76E-05	2.45E-08	7.12E-09
536	489578.13, 3861308.47	7.23E-05	2.28E-08	6.64E-09	8.86E-05	2.80E-08	8.13E-09	7.77E-05	2.45E-08	7.13E-09
537	489628.13, 3861308.47	7.24E-05	2.29E-08	6.65E-09	8.87E-05	2.80E-08	8.15E-09	7.78E-05	2.46E-08	7.14E-09
538	489678.13, 3861308.47	7.26E-05	2.29E-08	6.66E-09	8.89E-05	2.81E-08	8.16E-09	7.79E-05	2.46E-08	7.16E-09
539	489728.13, 3861308.47	7.27E-05	2.29E-08	6.67E-09	8.90E-05	2.81E-08	8.17E-09	7.81E-05	2.46E-08	7.17E-09
540	489778.13, 3861308.47	7.27E-05	2.30E-08	6.68E-09	8.91E-05	2.81E-08	8.18E-09	7.81E-05	2.47E-08	7.17E-09
541	489678.13, 3861358.47	7.12E-05	2.25E-08	6.53E-09	8.71E-05	2.75E-08	8.00E-09	7.64E-05	2.41E-08	7.02E-09
542	489728.13, 3861358.47	7.12E-05	2.25E-08	6.54E-09	8.72E-05	2.75E-08	8.01E-09	7.65E-05	2.41E-08	7.02E-09
543	489528.13, 3861408.47	6.94E-05	2.19E-08	6.37E-09	8.50E-05	2.68E-08	7.80E-09	7.45E-05	2.35E-08	6.84E-09
544	489578.13, 3861408.47	6.95E-05	2.19E-08	6.38E-09	8.51E-05	2.69E-08	7.82E-09	7.47E-05	2.36E-08	6.85E-09
545	489628.13, 3861408.47	6.98E-05	2.20E-08	6.40E-09	8.54E-05	2.70E-08	7.84E-09	7.49E-05	2.36E-08	6.88E-09
546	489678.13, 3861408.47	6.98E-05	2.20E-08	6.41E-09	8.55E-05	2.70E-08	7.85E-09	7.50E-05	2.37E-08	6.88E-09
547	489728.13, 3861408.47	6.98E-05	2.20E-08	6.41E-09	8.55E-05	2.70E-08	7.85E-09	7.50E-05	2.37E-08	6.89E-09
548	489528.13, 3861458.47	6.81E-05	2.15E-08	6.25E-09	8.34E-05	2.63E-08	7.66E-09	7.32E-05	2.31E-08	6.72E-09
549	489578.13, 3861458.47	6.83E-05	2.15E-08	6.27E-09	8.36E-05	2.64E-08	7.68E-09	7.33E-05	2.31E-08	6.73E-09
550	489628.13, 3861458.47	6.84E-05	2.16E-08	6.28E-09	8.38E-05	2.64E-08	7.69E-09	7.34E-05	2.32E-08	6.74E-09
551	489678.13, 3861458.47	6.85E-05	2.16E-08	6.28E-09	8.38E-05	2.65E-08	7.70E-09	7.35E-05	2.32E-08	6.75E-09
552	489728.13, 3861458.47	6.84E-05	2.16E-08	6.28E-09	8.38E-05	2.65E-08	7.70E-09	7.35E-05	2.32E-08	6.75E-09
553	489528.13, 3861508.47	6.69E-05	2.11E-08	6.14E-09	8.19E-05	2.58E-08	7.52E-09	7.18E-05	2.27E-08	6.59E-09
554	489578.13, 3861508.47	6.70E-05	2.11E-08	6.15E-09	8.20E-05	2.59E-08	7.53E-09	7.19E-05	2.27E-08	6.60E-09
555	489628.13, 3861508.47	6.70E-05	2.12E-08	6.15E-09	8.21E-05	2.59E-08	7.54E-09	7.20E-05	2.27E-08	6.61E-09
556	489678.13, 3861508.47	6.71E-05	2.12E-08	6.16E-09	8.22E-05	2.59E-08	7.54E-09	7.21E-05	2.27E-08	6.62E-09
557	489728.13, 3861508.47	6.71E-05	2.12E-08	6.16E-09	8.22E-05	2.60E-08	7.55E-09	7.21E-05	2.28E-08	6.62E-09
558	489628.13, 3861558.47	6.59E-05	2.08E-08	6.05E-09	8.07E-05	2.55E-08	7.41E-09	7.08E-05	2.23E-08	6.50E-09
559	489678.13, 3861558.47	6.60E-05	2.08E-08	6.06E-09	8.08E-05	2.55E-08	7.42E-09	7.09E-05	2.24E-08	6.51E-09
560	489728.13, 3861558.47	6.61E-05	2.08E-08	6.06E-09	8.09E-05	2.55E-08	7.43E-09	7.09E-05	2.24E-08	6.51E-09
561	489357.08, 3861015.81	8.16E-05	2.58E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.77E-08	8.05E-09
562	489407.08, 3861015.81	8.15E-05	2.57E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.76E-08	8.04E-09
563	489457.08, 3861015.81	8.16E-05	2.58E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.77E-08	8.05E-09
564	489357.08, 3861065.81	7.99E-05	2.52E-08	7.34E-09	9.79E-05	3.09E-08	8.99E-09	8.59E-05	2.71E-08	7.88E-09
565	489407.08, 3861065.81	7.99E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.98E-09	8.58E-05	2.71E-08	7.88E-09
566	489457.08, 3861065.81	7.99E-05	2.52E-08	7.34E-09	9.79E-05	3.09E-08	8.99E-09	8.59E-05	2.71E-08	7.88E-09
567	489357.08, 3861115.81	7.83E-05	2.47E-08	7.19E-09	9.59E-05	3.03E-08	8.80E-09	8.41E-05	2.65E-08	7.72E-09
568	489407.08, 3861115.81	7.84E-05	2.47E-08	7.20E-09	9.60E-05	3.03E-08	8.81E-09	8.42E-05	2.66E-08	7.73E-09
569	489457.08, 3861115.81	7.85E-05	2.48E-08	7.20E-09	9.61E-05	3.03E-08	8.82E-09	8.43E-05	2.66E-08	7.74E-09
570	489407.08, 3861165.81	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.58E-09
571	489457.08, 3861165.81	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.58E-09
572	489407.08, 3861215.81	7.50E-05	2.37E-08	6.89E-09	9.19E-05	2.90E-08	8.43E-09	8.06E-05	2.54E-08	7.40E-09

573	489457.08, 3861215.81	7.51E-05	2.37E-08	6.89E-09	9.19E-05	2.90E-08	8.44E-09	8.06E-05	2.54E-08	7.40E-09
574	489407.08, 3861265.81	7.31E-05	2.31E-08	6.71E-09	8.96E-05	2.83E-08	8.22E-09	7.86E-05	2.48E-08	7.21E-09
575	489457.08, 3861265.81	7.33E-05	2.31E-08	6.73E-09	8.98E-05	2.83E-08	8.24E-09	7.87E-05	2.49E-08	7.23E-09
576	489309.86, 3861110.14	7.83E-05	2.47E-08	7.19E-09	9.59E-05	3.03E-08	8.80E-09	8.41E-05	2.65E-08	7.72E-09
577	489407.08, 3861315.81	7.17E-05	2.26E-08	6.58E-09	8.78E-05	2.77E-08	8.06E-09	7.70E-05	2.43E-08	7.07E-09
578	489457.08, 3861315.81	7.19E-05	2.27E-08	6.60E-09	8.80E-05	2.78E-08	8.08E-09	7.72E-05	2.44E-08	7.09E-09
579	488906.03, 3861006.75	8.15E-05	2.57E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.76E-08	8.04E-09
580	488956.03, 3861006.75	8.19E-05	2.58E-08	7.51E-09	1.00E-04	3.16E-08	9.20E-09	8.79E-05	2.78E-08	8.07E-09
581	488904.24, 3861051.87	8.12E-05	2.56E-08	7.46E-09	9.95E-05	3.14E-08	9.13E-09	8.72E-05	2.75E-08	8.01E-09
582	488954.24, 3861051.87	8.07E-05	2.55E-08	7.41E-09	9.89E-05	3.12E-08	9.08E-09	8.67E-05	2.74E-08	7.96E-09
583	489004.24, 3861051.87	8.12E-05	2.56E-08	7.45E-09	9.94E-05	3.14E-08	9.13E-09	8.72E-05	2.75E-08	8.01E-09
584	488804.24, 3861101.87	7.89E-05	2.49E-08	7.24E-09	9.66E-05	3.05E-08	8.87E-09	8.47E-05	2.67E-08	7.78E-09
585	488854.24, 3861101.87	7.91E-05	2.50E-08	7.26E-09	9.69E-05	3.06E-08	8.89E-09	8.50E-05	2.68E-08	7.80E-09
586	488904.24, 3861101.87	7.82E-05	2.47E-08	7.18E-09	9.58E-05	3.02E-08	8.79E-09	8.40E-05	2.65E-08	7.71E-09
587	488954.24, 3861101.87	7.79E-05	2.46E-08	7.16E-09	9.55E-05	3.01E-08	8.76E-09	8.37E-05	2.64E-08	7.69E-09
588	489004.24, 3861101.87	7.81E-05	2.46E-08	7.17E-09	9.56E-05	3.02E-08	8.78E-09	8.38E-05	2.65E-08	7.70E-09
589	488804.24, 3861151.87	7.61E-05	2.40E-08	6.98E-09	9.32E-05	2.94E-08	8.55E-09	8.17E-05	2.58E-08	7.50E-09
590	488854.24, 3861151.87	7.59E-05	2.40E-08	6.97E-09	9.30E-05	2.93E-08	8.53E-09	8.15E-05	2.57E-08	7.48E-09
591	489129.49, 3861187.55	7.50E-05	2.37E-08	6.89E-09	9.19E-05	2.90E-08	8.44E-09	8.06E-05	2.54E-08	7.40E-09
592	489179.49, 3861187.55	7.51E-05	2.37E-08	6.89E-09	9.20E-05	2.90E-08	8.44E-09	8.07E-05	2.55E-08	7.41E-09
593	488804.24, 3861201.87	7.46E-05	2.35E-08	6.85E-09	9.13E-05	2.88E-08	8.38E-09	8.01E-05	2.53E-08	7.35E-09
594	488854.24, 3861201.87	7.42E-05	2.34E-08	6.81E-09	9.09E-05	2.87E-08	8.34E-09	7.97E-05	2.52E-08	7.32E-09
595	489129.49, 3861237.55	7.37E-05	2.33E-08	6.76E-09	9.02E-05	2.85E-08	8.28E-09	7.92E-05	2.50E-08	7.27E-09
596	489179.49, 3861237.55	7.36E-05	2.32E-08	6.76E-09	9.01E-05	2.84E-08	8.27E-09	7.91E-05	2.50E-08	7.26E-09
597	488804.24, 3861251.87	7.32E-05	2.31E-08	6.72E-09	8.97E-05	2.83E-08	8.23E-09	7.86E-05	2.48E-08	7.22E-09
598	488854.24, 3861251.87	7.28E-05	2.30E-08	6.68E-09	8.91E-05	2.81E-08	8.18E-09	7.82E-05	2.47E-08	7.18E-09
599	488804.24, 3861301.87	7.17E-05	2.26E-08	6.58E-09	8.78E-05	2.77E-08	8.06E-09	7.70E-05	2.43E-08	7.07E-09
600	488854.24, 3861301.87	7.14E-05	2.25E-08	6.56E-09	8.75E-05	2.76E-08	8.03E-09	7.67E-05	2.42E-08	7.04E-09
601	490943.5, 3860181.97	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
602	490993.5, 3860181.97	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
603	491043.5, 3860181.97	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
604	491093.5, 3860181.97	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.27E-04	3.99E-08	1.16E-08
605	490943.5, 3860231.97	1.16E-04	3.65E-08	1.06E-08	1.41E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
606	490993.5, 3860231.97	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
607	491043.5, 3860231.97	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.90E-08	1.13E-08
608	491093.5, 3860231.97	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
609	490943.5, 3860281.97	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
610	490993.5, 3860281.97	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
611	491043.5, 3860281.97	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
612	491093.5, 3860281.97	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
613	490943.5, 3860331.97	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
614	490993.5, 3860331.97	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
615	491043.5, 3860331.97	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
616	491093.5, 3860331.97	1.09E-04	3.43E-08	9.97E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
617	490086.72, 3859935.12	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.67E-08	1.59E-04	5.02E-08	1.46E-08
618	490136.72, 3859935.12	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.99E-08	1.45E-08
619	490186.72, 3859935.12	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.64E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
620	490236.72, 3859935.12	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.61E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
621	490286.72, 3859935.12	1.44E-04	4.55E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
622	490336.72, 3859935.12	1.43E-04	4.52E-08	1.31E-08	1.75E-04	5.53E-08	1.61E-08	1.54E-04	4.85E-08	1.41E-08
623	490386.72, 3859935.12	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
624	490436.72, 3859935.12	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
625	490486.72, 3859935.12	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
626	490536.72, 3859935.12	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
627	490586.72, 3859935.12	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
628	490636.72, 3859935.12	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
629	490686.72, 3859935.12	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
630	490736.72, 3859935.12	1.42E-04	4.48E-08	1.30E-08	1.74E-04	5.48E-08	1.60E-08	1.52E-04	4.81E-08	1.40E-08
631	490086.72, 3859985.12	1.44E-04	4.55E-08	1.32E-08	1.77E-04	5.58E-08	1.62E-08	1.55E-04	4.89E-08	1.42E-08
632	490136.72, 3859985.12	1.43E-04	4.52E-08	1.32E-08	1.75E-04	5.54E-08	1.61E-08	1.54E-04	4.86E-08	1.41E-08
633	490186.72, 3859985.12	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
634	490236.72, 3859985.12	1.42E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
635	490286.72, 3859985.12	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.39E-08
636	490336.72, 3859985.12	1.40E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08

637	490386.72, 3859985.12	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.69E-08	1.37E-08
638	490436.72, 3859985.12	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.67E-08	1.36E-08
639	490486.72, 3859985.12	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
640	490536.72, 3859985.12	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
641	490586.72, 3859985.12	1.36E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.53E-08	1.47E-04	4.63E-08	1.35E-08
642	490636.72, 3859985.12	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
643	490686.72, 3859985.12	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
644	490736.72, 3859985.12	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
645	490786.72, 3859985.12	1.37E-04	4.31E-08	1.26E-08	1.67E-04	5.29E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
646	490086.72, 3860035.12	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.39E-08
647	490136.72, 3860035.12	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.74E-08	1.38E-08
648	490186.72, 3860035.12	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
649	490236.72, 3860035.12	1.38E-04	4.35E-08	1.27E-08	1.69E-04	5.33E-08	1.55E-08	1.48E-04	4.68E-08	1.36E-08
650	490286.72, 3860035.12	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
651	490336.72, 3860035.12	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.62E-08	1.34E-08
652	490386.72, 3860035.12	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.22E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
653	490436.72, 3860035.12	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
654	490486.72, 3860035.12	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
655	490536.72, 3860035.12	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
656	490586.72, 3860035.12	1.32E-04	4.18E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
657	490636.72, 3860035.12	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
658	490686.72, 3860035.12	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.41E-04	4.46E-08	1.30E-08
659	490736.72, 3860035.12	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
660	490786.72, 3860035.12	1.32E-04	4.16E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
661	490836.72, 3860035.12	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
662	490086.72, 3860085.12	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.48E-04	4.66E-08	1.35E-08
663	490136.72, 3860085.12	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.62E-08	1.34E-08
664	490186.72, 3860085.12	1.36E-04	4.28E-08	1.25E-08	1.66E-04	5.24E-08	1.52E-08	1.46E-04	4.60E-08	1.34E-08
665	490236.72, 3860085.12	1.35E-04	4.25E-08	1.24E-08	1.65E-04	5.21E-08	1.52E-08	1.45E-04	4.57E-08	1.33E-08
666	490286.72, 3860085.12	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.44E-04	4.54E-08	1.32E-08
667	490336.72, 3860085.12	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
668	490386.72, 3860085.12	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
669	490436.72, 3860085.12	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
670	490486.72, 3860085.12	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.40E-04	4.40E-08	1.28E-08
671	490536.72, 3860085.12	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
672	490586.72, 3860085.12	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
673	490636.72, 3860085.12	1.28E-04	4.04E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.34E-08	1.26E-08
674	490686.72, 3860085.12	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
675	490736.72, 3860085.12	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
676	490786.72, 3860085.12	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
677	490836.72, 3860085.12	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.31E-08	1.26E-08
678	490086.72, 3860135.12	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.51E-08	1.31E-08
679	490136.72, 3860135.12	1.33E-04	4.18E-08	1.22E-08	1.62E-04	5.13E-08	1.49E-08	1.42E-04	4.49E-08	1.31E-08
680	490186.72, 3860135.12	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
681	490236.72, 3860135.12	1.31E-04	4.15E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.30E-08
682	490286.72, 3860135.12	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
683	490336.72, 3860135.12	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
684	490386.72, 3860135.12	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
685	490436.72, 3860135.12	1.28E-04	4.03E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
686	490486.72, 3860135.12	1.27E-04	4.01E-08	1.17E-08	1.55E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
687	490536.72, 3860135.12	1.26E-04	3.98E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.36E-04	4.28E-08	1.24E-08
688	490586.72, 3860135.12	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
689	490636.72, 3860135.12	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
690	490686.72, 3860135.12	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
691	490736.72, 3860135.12	1.24E-04	3.90E-08	1.14E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
692	490786.72, 3860135.12	1.24E-04	3.90E-08	1.13E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
693	490836.72, 3860135.12	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
694	490086.72, 3860185.12	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
695	490136.72, 3860185.12	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
696	490186.72, 3860185.12	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
697	490236.72, 3860185.12	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.38E-04	4.34E-08	1.26E-08
698	490286.72, 3860185.12	1.28E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
699	490336.72, 3860185.12	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
700	490386.72, 3860185.12	1.26E-04	3.97E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08

701	490436.72, 3860185.12	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
702	490486.72, 3860185.12	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
703	490536.72, 3860185.12	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
704	490586.72, 3860185.12	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
705	490636.72, 3860185.12	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
706	490686.72, 3860185.12	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
707	490736.72, 3860185.12	1.20E-04	3.80E-08	1.11E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
708	490786.72, 3860185.12	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
709	490836.72, 3860185.12	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
710	490086.72, 3860235.12	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
711	490136.72, 3860235.12	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
712	490186.72, 3860235.12	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.84E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
713	490236.72, 3860235.12	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
714	490286.72, 3860235.12	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
715	490336.72, 3860235.12	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
716	490386.72, 3860235.12	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
717	490436.72, 3860235.12	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
718	490486.72, 3860235.12	1.22E-04	3.83E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.30E-04	4.12E-08	1.20E-08
719	490536.72, 3860235.12	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
720	490586.72, 3860235.12	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
721	490636.72, 3860235.12	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
722	490686.72, 3860235.12	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
723	490736.72, 3860235.12	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
724	490786.72, 3860235.12	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
725	490086.72, 3860285.12	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
726	490136.72, 3860285.12	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
727	490186.72, 3860285.12	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
728	490236.72, 3860285.12	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
729	490286.72, 3860285.12	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
730	490336.72, 3860285.12	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
731	490386.72, 3860285.12	1.20E-04	3.80E-08	1.11E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
732	490436.72, 3860285.12	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
733	490486.72, 3860285.12	1.19E-04	3.75E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
734	490536.72, 3860285.12	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
735	490586.72, 3860285.12	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
736	490636.72, 3860285.12	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
737	490686.72, 3860285.12	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
738	490736.72, 3860285.12	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.14E-08
739	490786.72, 3860285.12	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
740	490086.72, 3860335.12	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
741	490136.72, 3860335.12	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
742	490186.72, 3860335.12	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
743	490236.72, 3860335.12	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
744	490286.72, 3860335.12	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
745	490336.72, 3860335.12	1.18E-04	3.72E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
746	490386.72, 3860335.12	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
747	490436.72, 3860335.12	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
748	490486.72, 3860335.12	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
749	490536.72, 3860335.12	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
750	490586.72, 3860335.12	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.90E-08	1.13E-08
751	490636.72, 3860335.12	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.28E-08	1.23E-04	3.87E-08	1.13E-08
752	490686.72, 3860335.12	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
753	490736.72, 3860335.12	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
754	490786.72, 3860335.12	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
755	490086.72, 3860385.12	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
756	490136.72, 3860385.12	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
757	490186.72, 3860385.12	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
758	490236.72, 3860385.12	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
759	490286.72, 3860385.12	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
760	490336.72, 3860385.12	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
761	490386.72, 3860385.12	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
762	490436.72, 3860385.12	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
763	490486.72, 3860385.12	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
764	490536.72, 3860385.12	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08

765	490586.72, 3860385.12	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
766	490636.72, 3860385.12	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
767	490686.72, 3860385.12	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.20E-04	3.77E-08	1.10E-08
768	490736.72, 3860385.12	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
769	490786.72, 3860385.12	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
770	490136.72, 3860435.12	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
771	490186.72, 3860435.12	1.12E-04	3.54E-08	1.03E-08	1.38E-04	4.34E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
772	490236.72, 3860435.12	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.34E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
773	490286.72, 3860435.12	1.12E-04	3.54E-08	1.03E-08	1.38E-04	4.34E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
774	490336.72, 3860435.12	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
775	490386.72, 3860435.12	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
776	490436.72, 3860435.12	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
777	490486.72, 3860435.12	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.20E-04	3.77E-08	1.10E-08
778	490536.72, 3860435.12	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
779	490586.72, 3860435.12	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
780	490636.72, 3860435.12	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
781	490686.72, 3860435.12	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
782	490736.72, 3860435.12	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.68E-08	1.07E-08
783	490786.72, 3860435.12	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
784	490136.72, 3860485.12	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
785	490186.72, 3860485.12	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
786	490236.72, 3860485.12	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
787	490286.72, 3860485.12	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
788	490336.72, 3860485.12	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
789	490386.72, 3860485.12	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
790	490436.72, 3860485.12	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
791	490486.72, 3860485.12	1.09E-04	3.44E-08	9.99E-09	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
792	490536.72, 3860485.12	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.68E-08	1.07E-08
793	490586.72, 3860485.12	1.08E-04	3.41E-08	9.91E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
794	490636.72, 3860485.12	1.08E-04	3.39E-08	9.87E-09	1.32E-04	4.16E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
795	490686.72, 3860485.12	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
796	490736.72, 3860485.12	1.06E-04	3.36E-08	9.76E-09	1.30E-04	4.11E-08	1.20E-08	1.14E-04	3.60E-08	1.05E-08
797	490786.72, 3860485.12	1.06E-04	3.34E-08	9.71E-09	1.29E-04	4.09E-08	1.19E-08	1.14E-04	3.58E-08	1.04E-08
798	490136.72, 3860535.12	1.06E-04	3.35E-08	9.75E-09	1.30E-04	4.11E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
799	490186.72, 3860535.12	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.15E-04	3.61E-08	1.05E-08
800	490236.72, 3860535.12	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
801	490286.72, 3860535.12	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
802	490336.72, 3860535.12	1.07E-04	3.36E-08	9.78E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
803	490386.72, 3860535.12	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
804	490436.72, 3860535.12	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
805	490486.72, 3860535.12	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
806	490536.72, 3860535.12	1.07E-04	3.36E-08	9.78E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
807	490586.72, 3860535.12	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.58E-08	1.04E-08
808	490636.72, 3860535.12	1.05E-04	3.32E-08	9.67E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
809	490686.72, 3860535.12	1.05E-04	3.31E-08	9.62E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
810	490736.72, 3860535.12	1.04E-04	3.29E-08	9.57E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
811	490786.72, 3860535.12	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.52E-08	1.02E-08
812	490136.72, 3860585.12	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
813	490186.72, 3860585.12	1.03E-04	3.26E-08	9.48E-09	1.26E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
814	490236.72, 3860585.12	1.04E-04	3.27E-08	9.50E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.51E-08	1.02E-08
815	490286.72, 3860585.12	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.52E-08	1.02E-08
816	490336.72, 3860585.12	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
817	490386.72, 3860585.12	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
818	490436.72, 3860585.12	1.04E-04	3.29E-08	9.56E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
819	490486.72, 3860585.12	1.04E-04	3.30E-08	9.58E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
820	490536.72, 3860585.12	1.04E-04	3.29E-08	9.56E-09	1.28E-04	4.02E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
821	490586.72, 3860585.12	1.03E-04	3.26E-08	9.49E-09	1.27E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
822	490636.72, 3860585.12	1.03E-04	3.25E-08	9.46E-09	1.26E-04	3.98E-08	1.16E-08	1.11E-04	3.49E-08	1.02E-08
823	490686.72, 3860585.12	1.03E-04	3.24E-08	9.43E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
824	490736.72, 3860585.12	1.02E-04	3.23E-08	9.38E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
825	490786.72, 3860585.12	1.02E-04	3.21E-08	9.33E-09	1.25E-04	3.93E-08	1.14E-08	1.09E-04	3.45E-08	1.00E-08
826	490136.72, 3860635.12	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
827	490186.72, 3860635.12	1.01E-04	3.19E-08	9.29E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.98E-09
828	490236.72, 3860635.12	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.95E-09

829	490286.72, 3860635.12	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.96E-09
830	490336.72, 3860635.12	1.01E-04	3.19E-08	9.29E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.97E-09
831	490386.72, 3860635.12	1.01E-04	3.20E-08	9.30E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.98E-09
832	490436.72, 3860635.12	1.01E-04	3.20E-08	9.30E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.43E-08	9.99E-09
833	490486.72, 3860635.12	1.01E-04	3.20E-08	9.30E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.43E-08	9.99E-09
834	490536.72, 3860635.12	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
835	490586.72, 3860635.12	1.01E-04	3.19E-08	9.28E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.97E-09
836	490636.72, 3860635.12	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.95E-09
837	490686.72, 3860635.12	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
838	490736.72, 3860635.12	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
839	490786.72, 3860635.12	9.97E-05	3.15E-08	9.16E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.83E-09
840	490136.72, 3860685.12	9.87E-05	3.12E-08	9.06E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.73E-09
841	490186.72, 3860685.12	9.93E-05	3.13E-08	9.12E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.37E-08	9.79E-09
842	490236.72, 3860685.12	9.89E-05	3.12E-08	9.07E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
843	490286.72, 3860685.12	9.83E-05	3.10E-08	9.02E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.69E-09
844	490336.72, 3860685.12	9.86E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.72E-09
845	490386.72, 3860685.12	9.87E-05	3.12E-08	9.06E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.73E-09
846	490436.72, 3860685.12	9.87E-05	3.12E-08	9.06E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.73E-09
847	490486.72, 3860685.12	9.87E-05	3.11E-08	9.06E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.73E-09
848	490536.72, 3860685.12	9.87E-05	3.12E-08	9.06E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.73E-09
849	490586.72, 3860685.12	9.87E-05	3.11E-08	9.06E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.73E-09
850	490636.72, 3860685.12	9.87E-05	3.11E-08	9.06E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.73E-09
851	490686.72, 3860685.12	9.85E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.72E-09
852	490736.72, 3860685.12	9.82E-05	3.10E-08	9.02E-09	1.20E-04	3.80E-08	1.10E-08	1.05E-04	3.33E-08	9.68E-09
853	490786.72, 3860685.12	9.80E-05	3.09E-08	9.00E-09	1.20E-04	3.79E-08	1.10E-08	1.05E-04	3.32E-08	9.66E-09
854	490136.72, 3860735.12	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
855	490186.72, 3860735.12	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.07E-08	1.03E-04	3.24E-08	9.43E-09
856	490236.72, 3860735.12	9.57E-05	3.02E-08	8.79E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.44E-09
857	490286.72, 3860735.12	9.59E-05	3.03E-08	8.80E-09	1.17E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.45E-09
858	490336.72, 3860735.12	9.60E-05	3.03E-08	8.81E-09	1.18E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.46E-09
859	490386.72, 3860735.12	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
860	490436.72, 3860735.12	9.66E-05	3.05E-08	8.87E-09	1.18E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.53E-09
861	490486.72, 3860735.12	9.65E-05	3.05E-08	8.86E-09	1.18E-04	3.73E-08	1.09E-08	1.04E-04	3.27E-08	9.52E-09
862	490536.72, 3860735.12	9.63E-05	3.04E-08	8.84E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
863	490586.72, 3860735.12	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
864	490636.72, 3860735.12	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.48E-09
865	490686.72, 3860735.12	9.63E-05	3.04E-08	8.84E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
866	490736.72, 3860735.12	9.63E-05	3.04E-08	8.84E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
867	490136.72, 3860785.12	9.29E-05	2.93E-08	8.53E-09	1.14E-04	3.59E-08	1.04E-08	9.98E-05	3.15E-08	9.16E-09
868	490186.72, 3860785.12	9.30E-05	2.94E-08	8.54E-09	1.14E-04	3.60E-08	1.05E-08	9.99E-05	3.15E-08	9.17E-09
869	490236.72, 3860785.12	9.32E-05	2.94E-08	8.55E-09	1.14E-04	3.60E-08	1.05E-08	1.00E-04	3.16E-08	9.19E-09
870	490286.72, 3860785.12	9.33E-05	2.94E-08	8.57E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
871	490336.72, 3860785.12	9.34E-05	2.95E-08	8.58E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.17E-08	9.21E-09
872	490386.72, 3860785.12	9.38E-05	2.96E-08	8.61E-09	1.15E-04	3.62E-08	1.05E-08	1.01E-04	3.18E-08	9.24E-09
873	490436.72, 3860785.12	9.39E-05	2.96E-08	8.62E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.26E-09
874	490486.72, 3860785.12	9.42E-05	2.97E-08	8.64E-09	1.15E-04	3.64E-08	1.06E-08	1.01E-04	3.19E-08	9.28E-09
875	490536.72, 3860785.12	9.41E-05	2.97E-08	8.64E-09	1.15E-04	3.64E-08	1.06E-08	1.01E-04	3.19E-08	9.28E-09
876	490586.72, 3860785.12	9.38E-05	2.96E-08	8.61E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.25E-09
877	490636.72, 3860785.12	9.38E-05	2.96E-08	8.61E-09	1.15E-04	3.63E-08	1.05E-08	1.01E-04	3.18E-08	9.25E-09
878	490686.72, 3860785.12	9.39E-05	2.96E-08	8.62E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.25E-09
879	490736.72, 3860785.12	9.40E-05	2.97E-08	8.63E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.26E-09
880	490086.72, 3860835.12	9.04E-05	2.85E-08	8.30E-09	1.11E-04	3.49E-08	1.02E-08	9.71E-05	3.06E-08	8.91E-09
881	490136.72, 3860835.12	9.07E-05	2.86E-08	8.32E-09	1.11E-04	3.51E-08	1.02E-08	9.74E-05	3.07E-08	8.94E-09
882	490186.72, 3860835.12	9.07E-05	2.86E-08	8.33E-09	1.11E-04	3.51E-08	1.02E-08	9.74E-05	3.07E-08	8.94E-09
883	490236.72, 3860835.12	9.08E-05	2.87E-08	8.33E-09	1.11E-04	3.51E-08	1.02E-08	9.75E-05	3.08E-08	8.95E-09
884	490286.72, 3860835.12	9.09E-05	2.87E-08	8.35E-09	1.11E-04	3.52E-08	1.02E-08	9.77E-05	3.08E-08	8.97E-09
885	490336.72, 3860835.12	9.10E-05	2.87E-08	8.36E-09	1.11E-04	3.52E-08	1.02E-08	9.78E-05	3.09E-08	8.97E-09
886	490386.72, 3860835.12	9.12E-05	2.88E-08	8.37E-09	1.12E-04	3.52E-08	1.03E-08	9.79E-05	3.09E-08	8.99E-09
887	490436.72, 3860835.12	9.14E-05	2.89E-08	8.39E-09	1.12E-04	3.53E-08	1.03E-08	9.82E-05	3.10E-08	9.01E-09
888	490486.72, 3860835.12	9.16E-05	2.89E-08	8.41E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.03E-09
889	490536.72, 3860835.12	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.54E-08	1.03E-08	9.85E-05	3.11E-08	9.04E-09
890	490586.72, 3860835.12	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.04E-09
891	490636.72, 3860835.12	9.16E-05	2.89E-08	8.41E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.03E-09
892	490686.72, 3860835.12	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.54E-08	1.03E-08	9.85E-05	3.11E-08	9.04E-09

893	490736.72, 3860835.12	9.18E-05	2.90E-08	8.43E-09	1.12E-04	3.55E-08	1.03E-08	9.86E-05	3.11E-08	9.05E-09
894	490086.72, 3860885.12	8.83E-05	2.79E-08	8.11E-09	1.08E-04	3.41E-08	9.93E-09	9.48E-05	2.99E-08	8.71E-09
895	490136.72, 3860885.12	8.84E-05	2.79E-08	8.12E-09	1.08E-04	3.42E-08	9.94E-09	9.50E-05	3.00E-08	8.72E-09
896	490186.72, 3860885.12	8.85E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.95E-09	9.51E-05	3.00E-08	8.73E-09
897	490236.72, 3860885.12	8.86E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.96E-09	9.52E-05	3.00E-08	8.74E-09
898	490286.72, 3860885.12	8.87E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.97E-09	9.53E-05	3.01E-08	8.75E-09
899	490336.72, 3860885.12	8.88E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.53E-05	3.01E-08	8.75E-09
900	490386.72, 3860885.12	8.89E-05	2.81E-08	8.17E-09	1.09E-04	3.44E-08	1.00E-08	9.55E-05	3.01E-08	8.77E-09
901	490436.72, 3860885.12	8.92E-05	2.81E-08	8.19E-09	1.09E-04	3.45E-08	1.00E-08	9.58E-05	3.02E-08	8.79E-09
902	490486.72, 3860885.12	8.93E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
903	490536.72, 3860885.12	8.94E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.60E-05	3.03E-08	8.82E-09
904	490586.72, 3860885.12	8.95E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
905	490636.72, 3860885.12	8.95E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
906	490686.72, 3860885.12	8.95E-05	2.82E-08	8.22E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
907	490736.72, 3860885.12	8.95E-05	2.83E-08	8.22E-09	1.10E-04	3.46E-08	1.01E-08	9.62E-05	3.03E-08	8.83E-09
908	490086.72, 3860935.12	8.61E-05	2.72E-08	7.91E-09	1.06E-04	3.33E-08	9.69E-09	9.25E-05	2.92E-08	8.49E-09
909	490136.72, 3860935.12	8.61E-05	2.72E-08	7.91E-09	1.06E-04	3.33E-08	9.69E-09	9.25E-05	2.92E-08	8.49E-09
910	490186.72, 3860935.12	8.63E-05	2.72E-08	7.92E-09	1.06E-04	3.34E-08	9.70E-09	9.27E-05	2.93E-08	8.51E-09
911	490236.72, 3860935.12	8.65E-05	2.73E-08	7.94E-09	1.06E-04	3.34E-08	9.72E-09	9.28E-05	2.93E-08	8.52E-09
912	490286.72, 3860935.12	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.30E-05	2.94E-08	8.54E-09
913	490336.72, 3860935.12	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.30E-05	2.94E-08	8.54E-09
914	490386.72, 3860935.12	8.68E-05	2.74E-08	7.97E-09	1.06E-04	3.36E-08	9.76E-09	9.33E-05	2.94E-08	8.56E-09
915	490436.72, 3860935.12	8.70E-05	2.75E-08	7.99E-09	1.07E-04	3.36E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
916	490486.72, 3860935.12	8.71E-05	2.75E-08	8.00E-09	1.07E-04	3.37E-08	9.80E-09	9.36E-05	2.95E-08	8.59E-09
917	490536.72, 3860935.12	8.73E-05	2.75E-08	8.01E-09	1.07E-04	3.37E-08	9.81E-09	9.37E-05	2.96E-08	8.61E-09
918	490586.72, 3860935.12	8.73E-05	2.76E-08	8.02E-09	1.07E-04	3.38E-08	9.82E-09	9.38E-05	2.96E-08	8.61E-09
919	490636.72, 3860935.12	8.74E-05	2.76E-08	8.02E-09	1.07E-04	3.38E-08	9.82E-09	9.38E-05	2.96E-08	8.61E-09
920	490686.72, 3860935.12	8.74E-05	2.76E-08	8.03E-09	1.07E-04	3.38E-08	9.83E-09	9.39E-05	2.96E-08	8.62E-09
921	490736.72, 3860935.12	8.75E-05	2.76E-08	8.03E-09	1.07E-04	3.38E-08	9.84E-09	9.39E-05	2.96E-08	8.62E-09
922	490786.72, 3860935.12	8.75E-05	2.76E-08	8.03E-09	1.07E-04	3.38E-08	9.84E-09	9.40E-05	2.97E-08	8.63E-09
923	490836.72, 3860935.12	8.76E-05	2.77E-08	8.04E-09	1.07E-04	3.39E-08	9.85E-09	9.41E-05	2.97E-08	8.64E-09
924	490086.72, 3860985.12	8.42E-05	2.66E-08	7.73E-09	1.03E-04	3.25E-08	9.46E-09	9.04E-05	2.85E-08	8.30E-09
925	490136.72, 3860985.12	8.43E-05	2.66E-08	7.74E-09	1.03E-04	3.26E-08	9.47E-09	9.05E-05	2.86E-08	8.31E-09
926	490186.72, 3860985.12	8.44E-05	2.66E-08	7.75E-09	1.03E-04	3.26E-08	9.49E-09	9.07E-05	2.86E-08	8.33E-09
927	490236.72, 3860985.12	8.44E-05	2.67E-08	7.75E-09	1.03E-04	3.26E-08	9.49E-09	9.07E-05	2.86E-08	8.33E-09
928	490286.72, 3860985.12	8.45E-05	2.67E-08	7.76E-09	1.04E-04	3.27E-08	9.50E-09	9.08E-05	2.86E-08	8.33E-09
929	490336.72, 3860985.12	8.46E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.09E-05	2.87E-08	8.34E-09
930	490386.72, 3860985.12	8.48E-05	2.68E-08	7.78E-09	1.04E-04	3.28E-08	9.53E-09	9.10E-05	2.87E-08	8.36E-09
931	490436.72, 3860985.12	8.50E-05	2.68E-08	7.81E-09	1.04E-04	3.29E-08	9.56E-09	9.13E-05	2.88E-08	8.38E-09
932	490486.72, 3860985.12	8.51E-05	2.69E-08	7.81E-09	1.04E-04	3.29E-08	9.57E-09	9.14E-05	2.89E-08	8.39E-09
933	490536.72, 3860985.12	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
934	490586.72, 3860985.12	8.52E-05	2.69E-08	7.83E-09	1.04E-04	3.30E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
935	490636.72, 3860985.12	8.54E-05	2.69E-08	7.84E-09	1.05E-04	3.30E-08	9.60E-09	9.17E-05	2.89E-08	8.42E-09
936	490686.72, 3860985.12	8.54E-05	2.70E-08	7.84E-09	1.05E-04	3.30E-08	9.60E-09	9.17E-05	2.90E-08	8.42E-09
937	490736.72, 3860985.12	8.54E-05	2.70E-08	7.84E-09	1.05E-04	3.30E-08	9.61E-09	9.18E-05	2.90E-08	8.42E-09
938	490786.72, 3860985.12	8.55E-05	2.70E-08	7.85E-09	1.05E-04	3.31E-08	9.61E-09	9.18E-05	2.90E-08	8.43E-09
939	490836.72, 3860985.12	8.56E-05	2.70E-08	7.86E-09	1.05E-04	3.31E-08	9.63E-09	9.20E-05	2.90E-08	8.44E-09
940	490086.72, 3861035.12	8.23E-05	2.60E-08	7.55E-09	1.01E-04	3.18E-08	9.25E-09	8.83E-05	2.79E-08	8.11E-09
941	490136.72, 3861035.12	8.24E-05	2.60E-08	7.56E-09	1.01E-04	3.18E-08	9.26E-09	8.85E-05	2.79E-08	8.12E-09
942	490186.72, 3861035.12	8.24E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.85E-05	2.79E-08	8.13E-09
943	490236.72, 3861035.12	8.26E-05	2.61E-08	7.58E-09	1.01E-04	3.19E-08	9.28E-09	8.87E-05	2.80E-08	8.14E-09
944	490286.72, 3861035.12	8.26E-05	2.61E-08	7.58E-09	1.01E-04	3.19E-08	9.29E-09	8.87E-05	2.80E-08	8.14E-09
945	490336.72, 3861035.12	8.26E-05	2.61E-08	7.59E-09	1.01E-04	3.19E-08	9.29E-09	8.88E-05	2.80E-08	8.15E-09
946	490386.72, 3861035.12	8.29E-05	2.62E-08	7.61E-09	1.01E-04	3.20E-08	9.32E-09	8.90E-05	2.81E-08	8.17E-09
947	490436.72, 3861035.12	8.31E-05	2.62E-08	7.63E-09	1.02E-04	3.21E-08	9.34E-09	8.92E-05	2.82E-08	8.19E-09
948	490486.72, 3861035.12	8.32E-05	2.63E-08	7.64E-09	1.02E-04	3.22E-08	9.35E-09	8.93E-05	2.82E-08	8.20E-09
949	490536.72, 3861035.12	8.33E-05	2.63E-08	7.64E-09	1.02E-04	3.22E-08	9.36E-09	8.94E-05	2.82E-08	8.21E-09
950	490586.72, 3861035.12	8.33E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.95E-05	2.82E-08	8.21E-09
951	490636.72, 3861035.12	8.34E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.95E-05	2.83E-08	8.22E-09
952	490686.72, 3861035.12	8.34E-05	2.63E-08	7.66E-09	1.02E-04	3.22E-08	9.38E-09	8.96E-05	2.83E-08	8.22E-09
953	490736.72, 3861035.12	8.35E-05	2.63E-08	7.66E-09	1.02E-04	3.23E-08	9.39E-09	8.96E-05	2.83E-08	8.23E-09
954	490786.72, 3861035.12	8.36E-05	2.64E-08	7.67E-09	1.02E-04	3.23E-08	9.40E-09	8.97E-05	2.83E-08	8.24E-09
955	490836.72, 3861035.12	8.37E-05	2.64E-08	7.68E-09	1.03E-04	3.24E-08	9.41E-09	8.99E-05	2.84E-08	8.25E-09
956	490086.72, 3861085.12	8.04E-05	2.54E-08	7.38E-09	9.85E-05	3.11E-08	9.04E-09	8.64E-05	2.73E-08	7.93E-09

957	490136.72, 3861085.12	8.06E-05	2.54E-08	7.40E-09	9.88E-05	3.12E-08	9.07E-09	8.66E-05	2.73E-08	7.95E-09
958	490186.72, 3861085.12	8.09E-05	2.55E-08	7.42E-09	9.90E-05	3.13E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
959	490236.72, 3861085.12	8.08E-05	2.55E-08	7.42E-09	9.90E-05	3.12E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
960	490286.72, 3861085.12	8.08E-05	2.55E-08	7.42E-09	9.90E-05	3.13E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
961	490336.72, 3861085.12	8.09E-05	2.55E-08	7.42E-09	9.90E-05	3.13E-08	9.09E-09	8.69E-05	2.74E-08	7.97E-09
962	490386.72, 3861085.12	8.11E-05	2.56E-08	7.44E-09	9.93E-05	3.13E-08	9.11E-09	8.70E-05	2.75E-08	7.99E-09
963	490436.72, 3861085.12	8.12E-05	2.56E-08	7.45E-09	9.94E-05	3.14E-08	9.12E-09	8.72E-05	2.75E-08	8.00E-09
964	490486.72, 3861085.12	8.13E-05	2.56E-08	7.46E-09	9.95E-05	3.14E-08	9.14E-09	8.73E-05	2.75E-08	8.01E-09
965	490536.72, 3861085.12	8.14E-05	2.57E-08	7.48E-09	9.97E-05	3.15E-08	9.16E-09	8.75E-05	2.76E-08	8.03E-09
966	490586.72, 3861085.12	8.15E-05	2.57E-08	7.48E-09	9.98E-05	3.15E-08	9.16E-09	8.75E-05	2.76E-08	8.03E-09
967	490636.72, 3861085.12	8.14E-05	2.57E-08	7.48E-09	9.97E-05	3.15E-08	9.16E-09	8.74E-05	2.76E-08	8.03E-09
968	490686.72, 3861085.12	8.15E-05	2.57E-08	7.48E-09	9.98E-05	3.15E-08	9.16E-09	8.75E-05	2.76E-08	8.03E-09
969	490736.72, 3861085.12	8.16E-05	2.57E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.76E-08	8.04E-09
970	490786.72, 3861085.12	8.17E-05	2.58E-08	7.50E-09	1.00E-04	3.16E-08	9.19E-09	8.77E-05	2.77E-08	8.05E-09
971	490836.72, 3861085.12	8.18E-05	2.58E-08	7.51E-09	1.00E-04	3.16E-08	9.20E-09	8.78E-05	2.77E-08	8.06E-09
972	490086.72, 3861135.12	7.87E-05	2.48E-08	7.22E-09	9.64E-05	3.04E-08	8.85E-09	8.45E-05	2.67E-08	7.76E-09
973	490136.72, 3861135.12	7.88E-05	2.49E-08	7.24E-09	9.66E-05	3.05E-08	8.86E-09	8.47E-05	2.67E-08	7.77E-09
974	490186.72, 3861135.12	7.90E-05	2.49E-08	7.25E-09	9.68E-05	3.05E-08	8.89E-09	8.49E-05	2.68E-08	7.79E-09
975	490236.72, 3861135.12	7.91E-05	2.50E-08	7.27E-09	9.69E-05	3.06E-08	8.90E-09	8.50E-05	2.68E-08	7.80E-09
976	490286.72, 3861135.12	7.92E-05	2.50E-08	7.27E-09	9.70E-05	3.06E-08	8.90E-09	8.50E-05	2.68E-08	7.81E-09
977	490336.72, 3861135.12	7.92E-05	2.50E-08	7.27E-09	9.70E-05	3.06E-08	8.91E-09	8.51E-05	2.69E-08	7.81E-09
978	490386.72, 3861135.12	7.93E-05	2.50E-08	7.28E-09	9.71E-05	3.07E-08	8.92E-09	8.52E-05	2.69E-08	7.82E-09
979	490436.72, 3861135.12	7.94E-05	2.51E-08	7.29E-09	9.72E-05	3.07E-08	8.93E-09	8.53E-05	2.69E-08	7.83E-09
980	490486.72, 3861135.12	7.95E-05	2.51E-08	7.30E-09	9.74E-05	3.07E-08	8.94E-09	8.54E-05	2.69E-08	7.84E-09
981	490536.72, 3861135.12	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
982	490586.72, 3861135.12	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
983	490636.72, 3861135.12	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
984	490686.72, 3861135.12	7.97E-05	2.52E-08	7.32E-09	9.76E-05	3.08E-08	8.96E-09	8.56E-05	2.70E-08	7.86E-09
985	490736.72, 3861135.12	7.98E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.97E-09	8.57E-05	2.71E-08	7.87E-09
986	490786.72, 3861135.12	7.99E-05	2.52E-08	7.34E-09	9.79E-05	3.09E-08	8.99E-09	8.58E-05	2.71E-08	7.88E-09
987	490836.72, 3861135.12	8.00E-05	2.52E-08	7.34E-09	9.80E-05	3.09E-08	8.99E-09	8.59E-05	2.71E-08	7.89E-09
988	490086.72, 3861185.12	7.70E-05	2.43E-08	7.07E-09	9.43E-05	2.98E-08	8.66E-09	8.27E-05	2.61E-08	7.59E-09
989	490136.72, 3861185.12	7.70E-05	2.43E-08	7.07E-09	9.43E-05	2.98E-08	8.66E-09	8.27E-05	2.61E-08	7.59E-09
990	490186.72, 3861185.12	7.72E-05	2.44E-08	7.08E-09	9.45E-05	2.98E-08	8.67E-09	8.29E-05	2.62E-08	7.61E-09
991	490236.72, 3861185.12	7.73E-05	2.44E-08	7.10E-09	9.47E-05	2.99E-08	8.69E-09	8.30E-05	2.62E-08	7.62E-09
992	490286.72, 3861185.12	7.75E-05	2.45E-08	7.11E-09	9.49E-05	3.00E-08	8.71E-09	8.32E-05	2.63E-08	7.64E-09
993	490336.72, 3861185.12	7.74E-05	2.44E-08	7.10E-09	9.48E-05	2.99E-08	8.70E-09	8.31E-05	2.62E-08	7.63E-09
994	490386.72, 3861185.12	7.75E-05	2.45E-08	7.11E-09	9.49E-05	3.00E-08	8.71E-09	8.32E-05	2.63E-08	7.64E-09
995	490436.72, 3861185.12	7.77E-05	2.45E-08	7.13E-09	9.51E-05	3.00E-08	8.73E-09	8.34E-05	2.63E-08	7.66E-09
996	490486.72, 3861185.12	7.77E-05	2.45E-08	7.14E-09	9.52E-05	3.00E-08	8.74E-09	8.35E-05	2.63E-08	7.66E-09
997	490536.72, 3861185.12	7.80E-05	2.46E-08	7.16E-09	9.55E-05	3.01E-08	8.77E-09	8.37E-05	2.64E-08	7.69E-09
998	490586.72, 3861185.12	7.80E-05	2.46E-08	7.16E-09	9.55E-05	3.01E-08	8.77E-09	8.37E-05	2.64E-08	7.69E-09
999	490636.72, 3861185.12	7.79E-05	2.46E-08	7.15E-09	9.54E-05	3.01E-08	8.76E-09	8.36E-05	2.64E-08	7.68E-09
1000	490686.72, 3861185.12	7.79E-05	2.46E-08	7.15E-09	9.54E-05	3.01E-08	8.76E-09	8.37E-05	2.64E-08	7.68E-09
1001	490736.72, 3861185.12	7.81E-05	2.47E-08	7.17E-09	9.57E-05	3.02E-08	8.78E-09	8.39E-05	2.65E-08	7.70E-09
1002	490786.72, 3861185.12	7.82E-05	2.47E-08	7.18E-09	9.58E-05	3.02E-08	8.80E-09	8.40E-05	2.65E-08	7.71E-09
1003	490836.72, 3861185.12	7.83E-05	2.47E-08	7.19E-09	9.59E-05	3.03E-08	8.81E-09	8.41E-05	2.65E-08	7.72E-09
1004	490086.72, 3861235.12	7.53E-05	2.38E-08	6.91E-09	9.22E-05	2.91E-08	8.47E-09	8.09E-05	2.55E-08	7.43E-09
1005	490136.72, 3861235.12	7.54E-05	2.38E-08	6.92E-09	9.23E-05	2.91E-08	8.48E-09	8.10E-05	2.56E-08	7.43E-09
1006	490186.72, 3861235.12	7.55E-05	2.38E-08	6.93E-09	9.25E-05	2.92E-08	8.49E-09	8.11E-05	2.56E-08	7.45E-09
1007	490236.72, 3861235.12	7.56E-05	2.38E-08	6.94E-09	9.25E-05	2.92E-08	8.50E-09	8.11E-05	2.56E-08	7.45E-09
1008	490386.72, 3861235.12	7.58E-05	2.39E-08	6.95E-09	9.28E-05	2.93E-08	8.52E-09	8.14E-05	2.57E-08	7.47E-09
1009	490436.72, 3861235.12	7.58E-05	2.39E-08	6.96E-09	9.28E-05	2.93E-08	8.52E-09	8.14E-05	2.57E-08	7.47E-09
1010	490486.72, 3861235.12	7.59E-05	2.39E-08	6.97E-09	9.29E-05	2.93E-08	8.53E-09	8.15E-05	2.57E-08	7.48E-09
1011	490536.72, 3861235.12	7.62E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.57E-09	8.19E-05	2.58E-08	7.51E-09
1012	490586.72, 3861235.12	7.64E-05	2.41E-08	7.02E-09	9.36E-05	2.95E-08	8.59E-09	8.21E-05	2.59E-08	7.54E-09
1013	490636.72, 3861235.12	7.62E-05	2.40E-08	6.99E-09	9.33E-05	2.95E-08	8.57E-09	8.18E-05	2.58E-08	7.51E-09
1014	490686.72, 3861235.12	7.63E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.58E-09	8.19E-05	2.59E-08	7.52E-09
1015	490736.72, 3861235.12	7.64E-05	2.41E-08	7.02E-09	9.36E-05	2.95E-08	8.59E-09	8.21E-05	2.59E-08	7.54E-09
1016	490786.72, 3861235.12	7.66E-05	2.42E-08	7.03E-09	9.38E-05	2.96E-08	8.61E-09	8.23E-05	2.60E-08	7.55E-09
1017	490836.72, 3861235.12	7.67E-05	2.42E-08	7.04E-09	9.39E-05	2.96E-08	8.62E-09	8.24E-05	2.60E-08	7.56E-09
1018	490086.72, 3861285.12	7.38E-05	2.33E-08	6.78E-09	9.04E-05	2.85E-08	8.30E-09	7.93E-05	2.50E-08	7.28E-09
1019	490136.72, 3861285.12	7.40E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.32E-09	7.95E-05	2.51E-08	7.30E-09
1020	490186.72, 3861285.12	7.40E-05	2.34E-08	6.79E-09	9.06E-05	2.86E-08	8.32E-09	7.95E-05	2.51E-08	7.30E-09

1021	490236.72, 3861285.12	7.40E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.33E-09	7.95E-05	2.51E-08	7.30E-09
1022	490386.72, 3861285.12	7.42E-05	2.34E-08	6.81E-09	9.09E-05	2.87E-08	8.34E-09	7.97E-05	2.51E-08	7.32E-09
1023	490436.72, 3861285.12	7.43E-05	2.35E-08	6.82E-09	9.10E-05	2.87E-08	8.36E-09	7.98E-05	2.52E-08	7.33E-09
1024	490486.72, 3861285.12	7.43E-05	2.35E-08	6.82E-09	9.10E-05	2.87E-08	8.36E-09	7.98E-05	2.52E-08	7.33E-09
1025	490536.72, 3861285.12	7.44E-05	2.35E-08	6.83E-09	9.12E-05	2.88E-08	8.37E-09	7.99E-05	2.52E-08	7.34E-09
1026	490586.72, 3861285.12	7.46E-05	2.35E-08	6.85E-09	9.13E-05	2.88E-08	8.38E-09	8.01E-05	2.53E-08	7.35E-09
1027	490636.72, 3861285.12	7.45E-05	2.35E-08	6.84E-09	9.13E-05	2.88E-08	8.38E-09	8.00E-05	2.53E-08	7.35E-09
1028	490686.72, 3861285.12	7.46E-05	2.35E-08	6.85E-09	9.14E-05	2.88E-08	8.39E-09	8.01E-05	2.53E-08	7.35E-09
1029	490736.72, 3861285.12	7.49E-05	2.36E-08	6.87E-09	9.17E-05	2.89E-08	8.42E-09	8.04E-05	2.54E-08	7.38E-09
1030	490786.72, 3861285.12	7.49E-05	2.37E-08	6.88E-09	9.18E-05	2.90E-08	8.43E-09	8.05E-05	2.54E-08	7.39E-09
1031	490836.72, 3861285.12	7.50E-05	2.37E-08	6.88E-09	9.18E-05	2.90E-08	8.43E-09	8.05E-05	2.54E-08	7.39E-09
1032	490061.24, 3859716.13	1.69E-04	5.34E-08	1.55E-08	2.07E-04	6.53E-08	1.90E-08	1.82E-04	5.73E-08	1.67E-08
1033	490111.24, 3859716.13	1.68E-04	5.31E-08	1.55E-08	2.06E-04	6.51E-08	1.89E-08	1.81E-04	5.71E-08	1.66E-08
1034	490161.24, 3859716.13	1.68E-04	5.29E-08	1.54E-08	2.05E-04	6.48E-08	1.89E-08	1.80E-04	5.68E-08	1.65E-08
1035	490211.24, 3859716.13	1.67E-04	5.27E-08	1.53E-08	2.05E-04	6.46E-08	1.88E-08	1.79E-04	5.66E-08	1.65E-08
1036	490061.24, 3859766.13	1.64E-04	5.17E-08	1.50E-08	2.00E-04	6.33E-08	1.84E-08	1.76E-04	5.55E-08	1.61E-08
1037	490111.24, 3859766.13	1.63E-04	5.13E-08	1.49E-08	1.99E-04	6.29E-08	1.83E-08	1.75E-04	5.52E-08	1.60E-08
1038	490161.24, 3859766.13	1.62E-04	5.10E-08	1.48E-08	1.98E-04	6.25E-08	1.82E-08	1.74E-04	5.48E-08	1.59E-08
1039	490211.24, 3859766.13	1.61E-04	5.08E-08	1.48E-08	1.97E-04	6.23E-08	1.81E-08	1.73E-04	5.46E-08	1.59E-08
1040	490061.24, 3859816.13	1.59E-04	5.01E-08	1.46E-08	1.95E-04	6.14E-08	1.79E-08	1.71E-04	5.38E-08	1.57E-08
1041	490111.24, 3859816.13	1.58E-04	4.98E-08	1.45E-08	1.93E-04	6.09E-08	1.77E-08	1.69E-04	5.35E-08	1.55E-08
1042	490161.24, 3859816.13	1.57E-04	4.94E-08	1.44E-08	1.92E-04	6.05E-08	1.76E-08	1.68E-04	5.31E-08	1.54E-08
1043	490211.24, 3859816.13	1.56E-04	4.92E-08	1.43E-08	1.91E-04	6.02E-08	1.75E-08	1.67E-04	5.28E-08	1.54E-08
1044	490061.24, 3859866.13	1.54E-04	4.87E-08	1.42E-08	1.89E-04	5.97E-08	1.74E-08	1.66E-04	5.23E-08	1.52E-08
1045	490111.24, 3859866.13	1.53E-04	4.84E-08	1.41E-08	1.88E-04	5.92E-08	1.72E-08	1.65E-04	5.19E-08	1.51E-08
1046	490161.24, 3859866.13	1.52E-04	4.80E-08	1.40E-08	1.86E-04	5.88E-08	1.71E-08	1.63E-04	5.16E-08	1.50E-08
1047	490211.24, 3859866.13	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.85E-08	1.70E-08	1.62E-04	5.13E-08	1.49E-08
1048	490061.24, 3859916.13	1.50E-04	4.74E-08	1.38E-08	1.84E-04	5.80E-08	1.69E-08	1.61E-04	5.09E-08	1.48E-08
1049	490111.24, 3859916.13	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.76E-08	1.68E-08	1.60E-04	5.05E-08	1.47E-08
1050	490161.24, 3859916.13	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.02E-08	1.46E-08
1051	490211.24, 3859916.13	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
1052	490229.25, 3859815.26	1.56E-04	4.91E-08	1.43E-08	1.91E-04	6.02E-08	1.75E-08	1.67E-04	5.28E-08	1.53E-08
1053	490279.25, 3859815.26	1.55E-04	4.89E-08	1.42E-08	1.90E-04	5.99E-08	1.74E-08	1.66E-04	5.25E-08	1.53E-08
1054	490329.25, 3859815.26	1.54E-04	4.87E-08	1.42E-08	1.89E-04	5.96E-08	1.73E-08	1.66E-04	5.23E-08	1.52E-08
1055	490379.25, 3859815.26	1.54E-04	4.86E-08	1.41E-08	1.89E-04	5.95E-08	1.73E-08	1.65E-04	5.22E-08	1.52E-08
1056	490429.25, 3859815.26	1.54E-04	4.86E-08	1.41E-08	1.89E-04	5.95E-08	1.73E-08	1.65E-04	5.22E-08	1.52E-08
1057	490229.25, 3859865.26	1.51E-04	4.76E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
1058	490279.25, 3859865.26	1.50E-04	4.74E-08	1.38E-08	1.84E-04	5.80E-08	1.69E-08	1.61E-04	5.09E-08	1.48E-08
1059	490329.25, 3859865.26	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.77E-08	1.68E-08	1.60E-04	5.06E-08	1.47E-08
1060	490379.25, 3859865.26	1.49E-04	4.69E-08	1.37E-08	1.82E-04	5.75E-08	1.67E-08	1.60E-04	5.04E-08	1.47E-08
1061	490429.25, 3859865.26	1.48E-04	4.68E-08	1.36E-08	1.82E-04	5.74E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
1062	490229.25, 3859915.26	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
1063	490279.25, 3859915.26	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.57E-04	4.94E-08	1.44E-08
1064	490329.25, 3859915.26	1.45E-04	4.57E-08	1.33E-08	1.77E-04	5.60E-08	1.63E-08	1.56E-04	4.91E-08	1.43E-08
1065	490379.25, 3859915.26	1.44E-04	4.55E-08	1.32E-08	1.77E-04	5.57E-08	1.62E-08	1.55E-04	4.89E-08	1.42E-08
1066	490429.25, 3859915.26	1.44E-04	4.53E-08	1.32E-08	1.76E-04	5.55E-08	1.61E-08	1.54E-04	4.87E-08	1.42E-08
1067	490451.43, 3859872.59	1.47E-04	4.65E-08	1.35E-08	1.81E-04	5.70E-08	1.66E-08	1.58E-04	5.00E-08	1.45E-08
1068	490501.43, 3859872.59	1.47E-04	4.65E-08	1.35E-08	1.81E-04	5.70E-08	1.66E-08	1.58E-04	5.00E-08	1.45E-08
1069	490551.43, 3859872.59	1.48E-04	4.66E-08	1.36E-08	1.81E-04	5.71E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
1070	490601.43, 3859872.59	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.02E-08	1.46E-08
1071	490451.43, 3859922.59	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.84E-08	1.41E-08
1072	490501.43, 3859922.59	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1073	490551.43, 3859922.59	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
1074	490601.43, 3859922.59	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.41E-08
1075	482129.67, 3852241.07	8.34E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.96E-05	2.83E-08	8.23E-09
1076	482029.67, 3852291.07	8.48E-05	2.68E-08	7.78E-09	1.04E-04	3.28E-08	9.53E-09	9.11E-05	2.88E-08	8.36E-09
1077	482079.67, 3852291.07	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
1078	482129.67, 3852291.07	8.54E-05	2.69E-08	7.84E-09	1.05E-04	3.30E-08	9.60E-09	9.18E-05	2.90E-08	8.42E-09
1079	482179.67, 3852291.07	8.54E-05	2.70E-08	7.84E-09	1.05E-04	3.30E-08	9.61E-09	9.18E-05	2.90E-08	8.43E-09
1080	482229.67, 3852291.07	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
1081	482029.67, 3852341.07	8.62E-05	2.72E-08	7.91E-09	1.06E-04	3.33E-08	9.70E-09	9.26E-05	2.92E-08	8.51E-09
1082	482079.67, 3852341.07	8.69E-05	2.74E-08	7.97E-09	1.06E-04	3.36E-08	9.77E-09	9.33E-05	2.95E-08	8.57E-09
1083	482129.67, 3852341.07	8.72E-05	2.75E-08	8.01E-09	1.07E-04	3.37E-08	9.81E-09	9.38E-05	2.96E-08	8.61E-09
1084	482179.67, 3852341.07	8.75E-05	2.76E-08	8.04E-09	1.07E-04	3.38E-08	9.84E-09	9.41E-05	2.97E-08	8.64E-09

1085	482259.06, 3852400.14	8.95E-05	2.83E-08	8.22E-09	1.10E-04	3.46E-08	1.01E-08	9.62E-05	3.04E-08	8.83E-09
1086	482309.06, 3852400.14	9.00E-05	2.84E-08	8.26E-09	1.10E-04	3.48E-08	1.01E-08	9.67E-05	3.05E-08	8.88E-09
1087	482209.06, 3852450.14	9.13E-05	2.88E-08	8.38E-09	1.12E-04	3.53E-08	1.03E-08	9.81E-05	3.10E-08	9.01E-09
1088	482259.06, 3852450.14	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.54E-08	1.03E-08	9.85E-05	3.11E-08	9.05E-09
1089	482309.06, 3852450.14	9.23E-05	2.91E-08	8.47E-09	1.13E-04	3.57E-08	1.04E-08	9.92E-05	3.13E-08	9.11E-09
1090	482209.06, 3852500.14	9.33E-05	2.94E-08	8.56E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
1091	482259.06, 3852500.14	9.39E-05	2.96E-08	8.62E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.26E-09
1092	482309.06, 3852500.14	9.44E-05	2.98E-08	8.67E-09	1.16E-04	3.65E-08	1.06E-08	1.01E-04	3.20E-08	9.32E-09
1093	482283.91, 3852513.62	9.47E-05	2.99E-08	8.69E-09	1.16E-04	3.66E-08	1.06E-08	1.02E-04	3.21E-08	9.34E-09
1094	482333.91, 3852513.62	9.51E-05	3.00E-08	8.73E-09	1.17E-04	3.68E-08	1.07E-08	1.02E-04	3.23E-08	9.38E-09
1095	482283.91, 3852563.62	9.66E-05	3.05E-08	8.87E-09	1.18E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.53E-09
1096	482333.91, 3852563.62	9.71E-05	3.06E-08	8.91E-09	1.19E-04	3.75E-08	1.09E-08	1.04E-04	3.29E-08	9.58E-09
1097	482383.91, 3852563.62	9.74E-05	3.07E-08	8.94E-09	1.19E-04	3.77E-08	1.10E-08	1.05E-04	3.30E-08	9.61E-09
1098	482283.91, 3852613.62	9.91E-05	3.13E-08	9.10E-09	1.21E-04	3.83E-08	1.11E-08	1.06E-04	3.36E-08	9.77E-09
1099	482333.91, 3852613.62	9.94E-05	3.14E-08	9.12E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.37E-08	9.81E-09
1100	482383.91, 3852613.62	9.96E-05	3.14E-08	9.14E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.38E-08	9.83E-09
1101	482602.38, 3852600.87	1.02E-04	3.21E-08	9.33E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.45E-08	1.00E-08
1102	482652.38, 3852600.87	1.02E-04	3.21E-08	9.34E-09	1.25E-04	3.94E-08	1.14E-08	1.09E-04	3.45E-08	1.00E-08
1103	482702.38, 3852600.87	1.01E-04	3.19E-08	9.29E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.98E-09
1104	482552.38, 3852650.87	1.04E-04	3.29E-08	9.56E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
1105	482602.38, 3852650.87	1.05E-04	3.30E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
1106	482652.38, 3852650.87	1.05E-04	3.32E-08	9.65E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
1107	482702.38, 3852650.87	1.05E-04	3.32E-08	9.66E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
1108	482552.38, 3852700.87	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.63E-08	1.05E-08
1109	482602.38, 3852700.87	1.08E-04	3.40E-08	9.88E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1110	482652.38, 3852700.87	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
1111	482702.38, 3852700.87	1.09E-04	3.43E-08	9.96E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
1112	482452.38, 3852750.87	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
1113	482521.29, 3852749.74	1.09E-04	3.44E-08	9.99E-09	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
1114	482571.29, 3852749.74	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
1115	482521.29, 3852799.74	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
1116	482571.29, 3852799.74	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
1117	482621.29, 3852799.74	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
1118	482571.29, 3852849.74	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1119	482621.29, 3852849.74	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1120	482577.42, 3852901.55	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1121	482627.42, 3852901.55	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
1122	482629.96, 3852955.85	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
1123	482679.96, 3852955.85	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1124	482781.63, 3853034.48	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
1125	482831.63, 3853034.48	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.50E-04	4.72E-08	1.37E-08
1126	482881.63, 3853034.48	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.50E-04	4.72E-08	1.37E-08
1127	482781.63, 3853084.48	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
1128	482831.63, 3853084.48	1.45E-04	4.57E-08	1.33E-08	1.78E-04	5.60E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
1129	482881.63, 3853084.48	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.61E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
1130	482781.63, 3853134.48	1.50E-04	4.72E-08	1.37E-08	1.83E-04	5.79E-08	1.68E-08	1.61E-04	5.08E-08	1.48E-08
1131	482831.63, 3853134.48	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.13E-08	1.49E-08
1132	482881.63, 3853134.48	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.85E-08	1.70E-08	1.63E-04	5.13E-08	1.49E-08
1133	482831.63, 3853184.48	1.58E-04	4.98E-08	1.45E-08	1.93E-04	6.10E-08	1.78E-08	1.70E-04	5.36E-08	1.56E-08
1134	482881.63, 3853184.48	1.58E-04	4.99E-08	1.45E-08	1.94E-04	6.11E-08	1.78E-08	1.70E-04	5.37E-08	1.56E-08
1135	484154.84, 3854250.98	5.53E-04	1.74E-07	5.07E-08	6.77E-04	2.14E-07	6.22E-08	5.95E-04	1.88E-07	5.46E-08
1136	484204.84, 3854250.98	5.36E-04	1.69E-07	4.92E-08	6.57E-04	2.07E-07	6.03E-08	5.77E-04	1.82E-07	5.30E-08
1137	484154.84, 3854300.98	5.73E-04	1.81E-07	5.26E-08	7.03E-04	2.22E-07	6.45E-08	6.17E-04	1.95E-07	5.67E-08
1138	484204.84, 3854300.98	5.64E-04	1.78E-07	5.18E-08	6.92E-04	2.18E-07	6.35E-08	6.08E-04	1.92E-07	5.58E-08
1139	484074.19, 3854519.8	9.25E-04	2.92E-07	8.49E-08	1.13E-03	3.58E-07	1.04E-07	9.95E-04	3.14E-07	9.14E-08
1140	484124.19, 3854519.8	8.79E-04	2.77E-07	8.07E-08	1.08E-03	3.40E-07	9.89E-08	9.46E-04	2.99E-07	8.69E-08
1141	484074.19, 3854569.8	1.10E-03	3.48E-07	1.01E-07	1.35E-03	4.26E-07	1.24E-07	1.19E-03	3.75E-07	1.09E-07
1142	484124.19, 3854569.8	1.03E-03	3.25E-07	9.45E-08	1.26E-03	3.98E-07	1.16E-07	1.11E-03	3.50E-07	1.02E-07
1143	485205.11, 3855188.89	4.23E-03	1.33E-06	3.88E-07	5.18E-03	1.64E-06	4.76E-07	4.54E-03	1.43E-06	4.17E-07
1144	485255.11, 3855188.89	3.78E-03	1.19E-06	3.47E-07	4.63E-03	1.46E-06	4.25E-07	4.06E-03	1.28E-06	3.73E-07
1145	485205.11, 3855238.89	4.63E-03	1.46E-06	4.25E-07	5.68E-03	1.79E-06	5.21E-07	4.98E-03	1.57E-06	4.57E-07
1146	485255.11, 3855238.89	4.18E-03	1.32E-06	3.84E-07	5.12E-03	1.62E-06	4.70E-07	4.49E-03	1.42E-06	4.12E-07
1147	485205.11, 3855288.89	5.65E-03	1.78E-06	5.18E-07	6.92E-03	2.18E-06	6.35E-07	6.08E-03	1.92E-06	5.58E-07
1148	485255.11, 3855288.89	4.89E-03	1.54E-06	4.49E-07	5.99E-03	1.89E-06	5.50E-07	5.26E-03	1.66E-06	4.83E-07

1149	485255.11, 3855338.89	5.85E-03	1.85E-06	5.37E-07	7.16E-03	2.26E-06	6.58E-07	6.30E-03	1.99E-06	5.78E-07
1150	485305.11, 3855338.89	5.06E-03	1.60E-06	4.64E-07	6.19E-03	1.96E-06	5.69E-07	5.44E-03	1.72E-06	5.00E-07
1151	485852.5, 3855635.28	3.50E-03	1.11E-06	3.22E-07	4.29E-03	1.35E-06	3.94E-07	3.78E-03	1.19E-06	3.47E-07
1152	485902.5, 3855635.28	3.23E-03	1.02E-06	2.96E-07	3.96E-03	1.25E-06	3.63E-07	3.48E-03	1.10E-06	3.20E-07
1153	485852.5, 3855685.28	3.83E-03	1.21E-06	3.52E-07	4.69E-03	1.48E-06	4.31E-07	4.13E-03	1.30E-06	3.79E-07
1154	485902.5, 3855685.28	3.50E-03	1.10E-06	3.21E-07	4.28E-03	1.35E-06	3.93E-07	3.77E-03	1.19E-06	3.46E-07
1155	485852.5, 3855735.28	4.23E-03	1.33E-06	3.88E-07	5.18E-03	1.63E-06	4.75E-07	4.56E-03	1.44E-06	4.19E-07
1156	485902.5, 3855735.28	3.85E-03	1.22E-06	3.53E-07	4.72E-03	1.49E-06	4.33E-07	4.15E-03	1.31E-06	3.81E-07
1157	485852.5, 3855785.28	4.81E-03	1.52E-06	4.42E-07	5.90E-03	1.86E-06	5.41E-07	5.19E-03	1.64E-06	4.77E-07
1158	485902.5, 3855785.28	4.24E-03	1.34E-06	3.89E-07	5.19E-03	1.64E-06	4.77E-07	4.57E-03	1.44E-06	4.20E-07
1159	486809.46, 3856465.28	3.76E-03	1.19E-06	3.45E-07	4.61E-03	1.45E-06	4.23E-07	4.06E-03	1.28E-06	3.72E-07
1160	486859.46, 3856465.28	3.52E-03	1.11E-06	3.23E-07	4.31E-03	1.36E-06	3.96E-07	3.80E-03	1.20E-06	3.49E-07
1161	486909.46, 3856465.28	3.31E-03	1.04E-06	3.04E-07	4.06E-03	1.28E-06	3.72E-07	3.57E-03	1.13E-06	3.28E-07
1162	486809.46, 3856515.28	4.12E-03	1.30E-06	3.78E-07	5.04E-03	1.59E-06	4.63E-07	4.44E-03	1.40E-06	4.08E-07
1163	486859.46, 3856515.28	3.82E-03	1.21E-06	3.51E-07	4.68E-03	1.48E-06	4.30E-07	4.12E-03	1.30E-06	3.78E-07
1164	486909.46, 3856515.28	3.57E-03	1.13E-06	3.28E-07	4.37E-03	1.38E-06	4.01E-07	3.85E-03	1.22E-06	3.54E-07
1165	486980.94, 3856357.95	2.68E-03	8.45E-07	2.46E-07	3.28E-03	1.04E-06	3.01E-07	2.89E-03	9.12E-07	2.65E-07
1166	487030.94, 3856357.95	2.57E-03	8.10E-07	2.36E-07	3.14E-03	9.92E-07	2.88E-07	2.77E-03	8.73E-07	2.54E-07
1167	486980.94, 3856407.95	2.85E-03	8.98E-07	2.61E-07	3.49E-03	1.10E-06	3.20E-07	3.07E-03	9.69E-07	2.82E-07
1168	487030.94, 3856407.95	2.72E-03	8.57E-07	2.49E-07	3.33E-03	1.05E-06	3.05E-07	2.93E-03	9.25E-07	2.69E-07
1169	487447.18, 3856437.45	2.03E-03	6.40E-07	1.86E-07	2.48E-03	7.84E-07	2.28E-07	2.19E-03	6.90E-07	2.01E-07
1170	487497.18, 3856437.45	1.96E-03	6.20E-07	1.80E-07	2.40E-03	7.59E-07	2.21E-07	2.12E-03	6.68E-07	1.94E-07
1171	487547.18, 3856437.45	1.90E-03	6.00E-07	1.75E-07	2.33E-03	7.35E-07	2.14E-07	2.05E-03	6.47E-07	1.88E-07
1172	487447.18, 3856487.45	2.11E-03	6.66E-07	1.94E-07	2.58E-03	8.15E-07	2.37E-07	2.27E-03	7.18E-07	2.09E-07
1173	487497.18, 3856487.45	2.04E-03	6.43E-07	1.87E-07	2.50E-03	7.88E-07	2.29E-07	2.20E-03	6.94E-07	2.02E-07
1174	487547.18, 3856487.45	1.97E-03	6.22E-07	1.81E-07	2.41E-03	7.62E-07	2.22E-07	2.13E-03	6.71E-07	1.95E-07
1175	487447.18, 3856537.45	2.19E-03	6.93E-07	2.01E-07	2.69E-03	8.48E-07	2.47E-07	2.37E-03	7.47E-07	2.17E-07
1176	487497.18, 3856537.45	2.12E-03	6.68E-07	1.94E-07	2.59E-03	8.18E-07	2.38E-07	2.28E-03	7.20E-07	2.09E-07
1177	487547.18, 3856537.45	2.04E-03	6.45E-07	1.88E-07	2.50E-03	7.90E-07	2.30E-07	2.20E-03	6.95E-07	2.02E-07
1178	489285.89, 3858826.54	7.69E-04	2.43E-07	7.06E-08	9.42E-04	2.97E-07	8.65E-08	8.29E-04	2.62E-07	7.61E-08
1179	489335.89, 3858826.54	7.18E-04	2.27E-07	6.59E-08	8.80E-04	2.78E-07	8.08E-08	7.74E-04	2.44E-07	7.10E-08
1180	489385.89, 3858826.54	6.75E-04	2.13E-07	6.20E-08	8.27E-04	2.61E-07	7.59E-08	7.27E-04	2.30E-07	6.68E-08
1181	489435.89, 3858826.54	6.39E-04	2.02E-07	5.87E-08	7.83E-04	2.47E-07	7.19E-08	6.89E-04	2.17E-07	6.32E-08
1182	489485.89, 3858826.54	6.09E-04	1.92E-07	5.59E-08	7.46E-04	2.36E-07	6.85E-08	6.56E-04	2.07E-07	6.02E-08
1183	489535.89, 3858826.54	5.83E-04	1.84E-07	5.35E-08	7.14E-04	2.25E-07	6.56E-08	6.28E-04	1.98E-07	5.76E-08
1184	489585.89, 3858826.54	5.60E-04	1.77E-07	5.15E-08	6.87E-04	2.17E-07	6.30E-08	6.03E-04	1.90E-07	5.54E-08
1185	489635.89, 3858826.54	5.41E-04	1.71E-07	4.96E-08	6.62E-04	2.09E-07	6.08E-08	5.82E-04	1.84E-07	5.34E-08
1186	489685.89, 3858826.54	5.23E-04	1.65E-07	4.80E-08	6.40E-04	2.02E-07	5.88E-08	5.63E-04	1.78E-07	5.17E-08
1187	489735.89, 3858826.54	5.07E-04	1.60E-07	4.65E-08	6.21E-04	1.96E-07	5.70E-08	5.45E-04	1.72E-07	5.00E-08
1188	489785.89, 3858826.54	4.92E-04	1.55E-07	4.52E-08	6.03E-04	1.90E-07	5.53E-08	5.30E-04	1.67E-07	4.86E-08
1189	489835.89, 3858826.54	4.79E-04	1.51E-07	4.40E-08	5.87E-04	1.85E-07	5.38E-08	5.15E-04	1.63E-07	4.73E-08
1190	489885.89, 3858826.54	4.67E-04	1.47E-07	4.29E-08	5.72E-04	1.80E-07	5.25E-08	5.02E-04	1.59E-07	4.61E-08
1191	489935.89, 3858826.54	4.56E-04	1.44E-07	4.18E-08	5.58E-04	1.76E-07	5.13E-08	4.90E-04	1.55E-07	4.50E-08
1192	489985.89, 3858826.54	4.46E-04	1.41E-07	4.09E-08	5.46E-04	1.72E-07	5.01E-08	4.79E-04	1.51E-07	4.40E-08
1193	490035.89, 3858826.54	4.36E-04	1.38E-07	4.00E-08	5.34E-04	1.69E-07	4.90E-08	4.69E-04	1.48E-07	4.31E-08
1194	489285.89, 3858876.54	7.03E-04	2.22E-07	6.46E-08	8.62E-04	2.72E-07	7.91E-08	7.58E-04	2.39E-07	6.96E-08
1195	489335.89, 3858876.54	6.60E-04	2.08E-07	6.06E-08	8.09E-04	2.55E-07	7.43E-08	7.11E-04	2.25E-07	6.53E-08
1196	489385.89, 3858876.54	6.24E-04	1.97E-07	5.73E-08	7.65E-04	2.41E-07	7.02E-08	6.73E-04	2.12E-07	6.17E-08
1197	489435.89, 3858876.54	5.94E-04	1.87E-07	5.45E-08	7.27E-04	2.30E-07	6.68E-08	6.40E-04	2.02E-07	5.87E-08
1198	489485.89, 3858876.54	5.67E-04	1.79E-07	5.21E-08	6.95E-04	2.19E-07	6.38E-08	6.11E-04	1.93E-07	5.61E-08
1199	489535.89, 3858876.54	5.45E-04	1.72E-07	5.00E-08	6.67E-04	2.11E-07	6.13E-08	5.87E-04	1.85E-07	5.38E-08
1200	489585.89, 3858876.54	5.25E-04	1.66E-07	4.82E-08	6.43E-04	2.03E-07	5.90E-08	5.65E-04	1.78E-07	5.19E-08
1201	489635.89, 3858876.54	5.08E-04	1.60E-07	4.66E-08	6.22E-04	1.96E-07	5.71E-08	5.46E-04	1.72E-07	5.02E-08
1202	489685.89, 3858876.54	4.92E-04	1.55E-07	4.52E-08	6.03E-04	1.90E-07	5.53E-08	5.30E-04	1.67E-07	4.86E-08
1203	489735.89, 3858876.54	4.78E-04	1.51E-07	4.39E-08	5.86E-04	1.85E-07	5.38E-08	5.14E-04	1.62E-07	4.72E-08
1204	489785.89, 3858876.54	4.65E-04	1.47E-07	4.27E-08	5.70E-04	1.80E-07	5.23E-08	5.01E-04	1.58E-07	4.60E-08
1205	489835.89, 3858876.54	4.54E-04	1.43E-07	4.16E-08	5.56E-04	1.75E-07	5.10E-08	4.88E-04	1.54E-07	4.48E-08
1206	489885.89, 3858876.54	4.43E-04	1.40E-07	4.07E-08	5.43E-04	1.71E-07	4.98E-08	4.77E-04	1.50E-07	4.38E-08
1207	489935.89, 3858876.54	4.33E-04	1.37E-07	3.98E-08	5.31E-04	1.67E-07	4.87E-08	4.66E-04	1.47E-07	4.28E-08
1208	489985.89, 3858876.54	4.24E-04	1.34E-07	3.89E-08	5.19E-04	1.64E-07	4.77E-08	4.56E-04	1.44E-07	4.19E-08
1209	490035.89, 3858876.54	4.16E-04	1.31E-07	3.82E-08	5.09E-04	1.61E-07	4.67E-08	4.47E-04	1.41E-07	4.10E-08
1210	489285.89, 3858926.54	6.23E-04	1.97E-07	5.72E-08	7.63E-04	2.41E-07	7.01E-08	6.71E-04	2.12E-07	6.16E-08
1211	489335.89, 3858926.54	5.92E-04	1.87E-07	5.44E-08	7.26E-04	2.29E-07	6.66E-08	6.38E-04	2.01E-07	5.86E-08
1212	489385.89, 3858926.54	5.66E-04	1.79E-07	5.19E-08	6.93E-04	2.19E-07	6.36E-08	6.09E-04	1.92E-07	5.59E-08

1213	489435.89, 3858926.54	5.42E-04	1.71E-07	4.98E-08	6.64E-04	2.10E-07	6.10E-08	5.84E-04	1.84E-07	5.36E-08
1214	489485.89, 3858926.54	5.22E-04	1.65E-07	4.79E-08	6.39E-04	2.02E-07	5.87E-08	5.62E-04	1.77E-07	5.16E-08
1215	489535.89, 3858926.54	5.03E-04	1.59E-07	4.62E-08	6.17E-04	1.95E-07	5.66E-08	5.42E-04	1.71E-07	4.98E-08
1216	489585.89, 3858926.54	4.87E-04	1.54E-07	4.47E-08	5.97E-04	1.88E-07	5.48E-08	5.24E-04	1.65E-07	4.81E-08
1217	489635.89, 3858926.54	4.72E-04	1.49E-07	4.34E-08	5.79E-04	1.83E-07	5.31E-08	5.09E-04	1.61E-07	4.67E-08
1218	489685.89, 3858926.54	4.60E-04	1.45E-07	4.22E-08	5.63E-04	1.78E-07	5.17E-08	4.95E-04	1.56E-07	4.54E-08
1219	489735.89, 3858926.54	4.48E-04	1.41E-07	4.11E-08	5.49E-04	1.73E-07	5.04E-08	4.82E-04	1.52E-07	4.43E-08
1220	489785.89, 3858926.54	4.37E-04	1.38E-07	4.01E-08	5.36E-04	1.69E-07	4.92E-08	4.71E-04	1.49E-07	4.32E-08
1221	489835.89, 3858926.54	4.27E-04	1.35E-07	3.92E-08	5.24E-04	1.65E-07	4.81E-08	4.60E-04	1.45E-07	4.22E-08
1222	489885.89, 3858926.54	4.18E-04	1.32E-07	3.84E-08	5.13E-04	1.62E-07	4.71E-08	4.50E-04	1.42E-07	4.13E-08
1223	489935.89, 3858926.54	4.10E-04	1.29E-07	3.76E-08	5.02E-04	1.59E-07	4.61E-08	4.41E-04	1.39E-07	4.05E-08
1224	489985.89, 3858926.54	4.02E-04	1.27E-07	3.69E-08	4.93E-04	1.55E-07	4.52E-08	4.32E-04	1.36E-07	3.97E-08
1225	490035.89, 3858926.54	3.95E-04	1.25E-07	3.62E-08	4.83E-04	1.53E-07	4.44E-08	4.24E-04	1.34E-07	3.90E-08
1226	489335.89, 3858976.54	5.23E-04	1.65E-07	4.80E-08	6.41E-04	2.02E-07	5.88E-08	5.63E-04	1.78E-07	5.17E-08
1227	489385.89, 3858976.54	5.06E-04	1.60E-07	4.64E-08	6.19E-04	1.95E-07	5.69E-08	5.44E-04	1.72E-07	5.00E-08
1228	489435.89, 3858976.54	4.90E-04	1.55E-07	4.49E-08	6.00E-04	1.89E-07	5.51E-08	5.27E-04	1.66E-07	4.84E-08
1229	489485.89, 3858976.54	4.75E-04	1.50E-07	4.36E-08	5.82E-04	1.84E-07	5.34E-08	5.11E-04	1.61E-07	4.69E-08
1230	489535.89, 3858976.54	4.61E-04	1.46E-07	4.23E-08	5.65E-04	1.78E-07	5.19E-08	4.97E-04	1.57E-07	4.56E-08
1231	489585.89, 3858976.54	4.49E-04	1.42E-07	4.12E-08	5.50E-04	1.74E-07	5.05E-08	4.83E-04	1.53E-07	4.44E-08
1232	489635.89, 3858976.54	4.37E-04	1.38E-07	4.02E-08	5.36E-04	1.69E-07	4.92E-08	4.71E-04	1.49E-07	4.32E-08
1233	489685.89, 3858976.54	4.27E-04	1.35E-07	3.92E-08	5.23E-04	1.65E-07	4.80E-08	4.59E-04	1.45E-07	4.22E-08
1234	489735.89, 3858976.54	4.17E-04	1.32E-07	3.83E-08	5.11E-04	1.61E-07	4.69E-08	4.49E-04	1.42E-07	4.12E-08
1235	489785.89, 3858976.54	4.09E-04	1.29E-07	3.75E-08	5.01E-04	1.58E-07	4.60E-08	4.40E-04	1.39E-07	4.04E-08
1236	489835.89, 3858976.54	4.01E-04	1.26E-07	3.68E-08	4.91E-04	1.55E-07	4.51E-08	4.31E-04	1.36E-07	3.96E-08
1237	489885.89, 3858976.54	3.94E-04	1.24E-07	3.61E-08	4.82E-04	1.52E-07	4.43E-08	4.23E-04	1.34E-07	3.89E-08
1238	489935.89, 3858976.54	3.86E-04	1.22E-07	3.55E-08	4.73E-04	1.49E-07	4.35E-08	4.16E-04	1.31E-07	3.82E-08
1239	489985.89, 3858976.54	3.80E-04	1.20E-07	3.49E-08	4.65E-04	1.47E-07	4.27E-08	4.09E-04	1.29E-07	3.75E-08
1240	490035.89, 3858976.54	3.73E-04	1.18E-07	3.43E-08	4.57E-04	1.44E-07	4.20E-08	4.01E-04	1.27E-07	3.68E-08
1241	489385.89, 3859026.54	4.49E-04	1.42E-07	4.12E-08	5.50E-04	1.74E-07	5.05E-08	4.84E-04	1.53E-07	4.44E-08
1242	489435.89, 3859026.54	4.39E-04	1.39E-07	4.03E-08	5.38E-04	1.70E-07	4.94E-08	4.73E-04	1.49E-07	4.34E-08
1243	489485.89, 3859026.54	4.30E-04	1.36E-07	3.95E-08	5.26E-04	1.66E-07	4.83E-08	4.63E-04	1.46E-07	4.25E-08
1244	489535.89, 3859026.54	4.21E-04	1.33E-07	3.86E-08	5.15E-04	1.63E-07	4.73E-08	4.53E-04	1.43E-07	4.16E-08
1245	489585.89, 3859026.54	4.12E-04	1.30E-07	3.78E-08	5.04E-04	1.59E-07	4.63E-08	4.43E-04	1.40E-07	4.07E-08
1246	489635.89, 3859026.54	4.03E-04	1.27E-07	3.70E-08	4.94E-04	1.56E-07	4.54E-08	4.34E-04	1.37E-07	3.98E-08
1247	489685.89, 3859026.54	3.95E-04	1.25E-07	3.63E-08	4.84E-04	1.53E-07	4.45E-08	4.25E-04	1.34E-07	3.91E-08
1248	489735.89, 3859026.54	3.88E-04	1.22E-07	3.56E-08	4.75E-04	1.50E-07	4.36E-08	4.17E-04	1.32E-07	3.83E-08
1249	489785.89, 3859026.54	3.81E-04	1.20E-07	3.50E-08	4.67E-04	1.47E-07	4.29E-08	4.10E-04	1.29E-07	3.76E-08
1250	489835.89, 3859026.54	3.75E-04	1.18E-07	3.44E-08	4.59E-04	1.45E-07	4.21E-08	4.03E-04	1.27E-07	3.70E-08
1251	489885.89, 3859026.54	3.69E-04	1.16E-07	3.39E-08	4.52E-04	1.43E-07	4.15E-08	3.97E-04	1.25E-07	3.64E-08
1252	489935.89, 3859026.54	3.63E-04	1.15E-07	3.33E-08	4.45E-04	1.40E-07	4.08E-08	3.91E-04	1.23E-07	3.59E-08
1253	489985.89, 3859026.54	3.58E-04	1.13E-07	3.29E-08	4.38E-04	1.38E-07	4.02E-08	3.85E-04	1.21E-07	3.53E-08
1254	490035.89, 3859026.54	3.52E-04	1.11E-07	3.23E-08	4.31E-04	1.36E-07	3.96E-08	3.79E-04	1.19E-07	3.48E-08
1255	489485.89, 3859076.54	3.89E-04	1.23E-07	3.57E-08	4.76E-04	1.50E-07	4.37E-08	4.19E-04	1.32E-07	3.84E-08
1256	489535.89, 3859076.54	3.83E-04	1.21E-07	3.52E-08	4.69E-04	1.48E-07	4.31E-08	4.12E-04	1.30E-07	3.78E-08
1257	489585.89, 3859076.54	3.77E-04	1.19E-07	3.46E-08	4.62E-04	1.46E-07	4.24E-08	4.06E-04	1.28E-07	3.72E-08
1258	489635.89, 3859076.54	3.71E-04	1.17E-07	3.41E-08	4.55E-04	1.44E-07	4.17E-08	3.99E-04	1.26E-07	3.67E-08
1259	489685.89, 3859076.54	3.65E-04	1.15E-07	3.36E-08	4.48E-04	1.41E-07	4.11E-08	3.93E-04	1.24E-07	3.61E-08
1260	489735.89, 3859076.54	3.60E-04	1.14E-07	3.30E-08	4.41E-04	1.39E-07	4.05E-08	3.87E-04	1.22E-07	3.56E-08
1261	489785.89, 3859076.54	3.55E-04	1.12E-07	3.26E-08	4.35E-04	1.37E-07	3.99E-08	3.82E-04	1.20E-07	3.50E-08
1262	489835.89, 3859076.54	3.50E-04	1.10E-07	3.21E-08	4.28E-04	1.35E-07	3.93E-08	3.76E-04	1.19E-07	3.45E-08
1263	489885.89, 3859076.54	3.45E-04	1.09E-07	3.17E-08	4.22E-04	1.33E-07	3.88E-08	3.71E-04	1.17E-07	3.40E-08
1264	489935.89, 3859076.54	3.40E-04	1.07E-07	3.13E-08	4.17E-04	1.32E-07	3.83E-08	3.66E-04	1.16E-07	3.36E-08
1265	489985.89, 3859076.54	3.36E-04	1.06E-07	3.09E-08	4.12E-04	1.30E-07	3.78E-08	3.62E-04	1.14E-07	3.32E-08
1266	490035.89, 3859076.54	3.32E-04	1.05E-07	3.05E-08	4.06E-04	1.28E-07	3.73E-08	3.57E-04	1.13E-07	3.28E-08
1267	489585.89, 3859126.54	3.46E-04	1.09E-07	3.17E-08	4.24E-04	1.34E-07	3.89E-08	3.72E-04	1.17E-07	3.42E-08
1268	489635.89, 3859126.54	3.42E-04	1.08E-07	3.14E-08	4.19E-04	1.32E-07	3.84E-08	3.68E-04	1.16E-07	3.38E-08
1269	489685.89, 3859126.54	3.38E-04	1.07E-07	3.10E-08	4.14E-04	1.31E-07	3.80E-08	3.64E-04	1.15E-07	3.34E-08
1270	489735.89, 3859126.54	3.34E-04	1.05E-07	3.07E-08	4.09E-04	1.29E-07	3.76E-08	3.59E-04	1.13E-07	3.30E-08
1271	489785.89, 3859126.54	3.30E-04	1.04E-07	3.03E-08	4.04E-04	1.28E-07	3.71E-08	3.55E-04	1.12E-07	3.26E-08
1272	489835.89, 3859126.54	3.26E-04	1.03E-07	3.00E-08	4.00E-04	1.26E-07	3.67E-08	3.51E-04	1.11E-07	3.22E-08
1273	489885.89, 3859126.54	3.23E-04	1.02E-07	2.96E-08	3.95E-04	1.25E-07	3.63E-08	3.47E-04	1.09E-07	3.18E-08
1274	489935.89, 3859126.54	3.19E-04	1.01E-07	2.93E-08	3.91E-04	1.23E-07	3.59E-08	3.43E-04	1.08E-07	3.15E-08
1275	489985.89, 3859126.54	3.16E-04	9.96E-08	2.90E-08	3.87E-04	1.22E-07	3.55E-08	3.39E-04	1.07E-07	3.12E-08
1276	490035.89, 3859126.54	3.12E-04	9.86E-08	2.87E-08	3.83E-04	1.21E-07	3.51E-08	3.36E-04	1.06E-07	3.08E-08

1277	489585.89, 3859176.54	3.18E-04	1.00E-07	2.92E-08	3.90E-04	1.23E-07	3.58E-08	3.42E-04	1.08E-07	3.14E-08
1278	489635.89, 3859176.54	3.16E-04	9.97E-08	2.90E-08	3.87E-04	1.22E-07	3.55E-08	3.40E-04	1.07E-07	3.12E-08
1279	489685.89, 3859176.54	3.13E-04	9.88E-08	2.87E-08	3.83E-04	1.21E-07	3.52E-08	3.37E-04	1.06E-07	3.09E-08
1280	489735.89, 3859176.54	3.10E-04	9.79E-08	2.85E-08	3.80E-04	1.20E-07	3.49E-08	3.34E-04	1.05E-07	3.06E-08
1281	489785.89, 3859176.54	3.08E-04	9.71E-08	2.82E-08	3.77E-04	1.19E-07	3.46E-08	3.31E-04	1.04E-07	3.04E-08
1282	489835.89, 3859176.54	3.05E-04	9.62E-08	2.80E-08	3.73E-04	1.18E-07	3.43E-08	3.28E-04	1.03E-07	3.01E-08
1283	489885.89, 3859176.54	3.02E-04	9.54E-08	2.77E-08	3.70E-04	1.17E-07	3.40E-08	3.25E-04	1.03E-07	2.98E-08
1284	489935.89, 3859176.54	2.99E-04	9.45E-08	2.75E-08	3.67E-04	1.16E-07	3.37E-08	3.22E-04	1.02E-07	2.96E-08
1285	489985.89, 3859176.54	2.97E-04	9.36E-08	2.72E-08	3.63E-04	1.15E-07	3.33E-08	3.19E-04	1.01E-07	2.93E-08
1286	490035.89, 3859176.54	2.94E-04	9.28E-08	2.70E-08	3.60E-04	1.14E-07	3.31E-08	3.16E-04	9.98E-08	2.90E-08
1287	489685.89, 3859226.54	2.91E-04	9.18E-08	2.67E-08	3.56E-04	1.12E-07	3.27E-08	3.13E-04	9.88E-08	2.87E-08
1288	489735.89, 3859226.54	2.89E-04	9.12E-08	2.65E-08	3.54E-04	1.12E-07	3.25E-08	3.11E-04	9.81E-08	2.85E-08
1289	489785.89, 3859226.54	2.87E-04	9.06E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.84E-08
1290	489835.89, 3859226.54	2.85E-04	9.01E-08	2.62E-08	3.50E-04	1.10E-07	3.21E-08	3.07E-04	9.69E-08	2.82E-08
1291	489885.89, 3859226.54	2.83E-04	8.95E-08	2.60E-08	3.47E-04	1.10E-07	3.19E-08	3.05E-04	9.62E-08	2.80E-08
1292	489935.89, 3859226.54	2.81E-04	8.88E-08	2.58E-08	3.45E-04	1.09E-07	3.16E-08	3.03E-04	9.55E-08	2.78E-08
1293	489985.89, 3859226.54	2.79E-04	8.81E-08	2.56E-08	3.42E-04	1.08E-07	3.14E-08	3.00E-04	9.47E-08	2.75E-08
1294	490035.89, 3859226.54	2.77E-04	8.75E-08	2.54E-08	3.39E-04	1.07E-07	3.12E-08	2.98E-04	9.40E-08	2.74E-08
1295	489735.89, 3859276.54	2.70E-04	8.52E-08	2.48E-08	3.31E-04	1.04E-07	3.04E-08	2.90E-04	9.16E-08	2.66E-08
1296	489785.89, 3859276.54	2.69E-04	8.48E-08	2.47E-08	3.29E-04	1.04E-07	3.02E-08	2.89E-04	9.12E-08	2.65E-08
1297	489835.89, 3859276.54	2.68E-04	8.45E-08	2.46E-08	3.28E-04	1.03E-07	3.01E-08	2.88E-04	9.08E-08	2.64E-08
1298	489885.89, 3859276.54	2.66E-04	8.40E-08	2.44E-08	3.26E-04	1.03E-07	2.99E-08	2.86E-04	9.04E-08	2.63E-08
1299	489935.89, 3859276.54	2.65E-04	8.36E-08	2.43E-08	3.25E-04	1.02E-07	2.98E-08	2.85E-04	8.99E-08	2.62E-08
1300	489985.89, 3859276.54	2.63E-04	8.31E-08	2.42E-08	3.22E-04	1.02E-07	2.96E-08	2.83E-04	8.93E-08	2.60E-08
1301	490035.89, 3859276.54	2.62E-04	8.26E-08	2.40E-08	3.21E-04	1.01E-07	2.94E-08	2.81E-04	8.88E-08	2.58E-08
1302	490458.06, 3859590.74	1.87E-04	5.89E-08	1.71E-08	2.29E-04	7.22E-08	2.10E-08	2.01E-04	6.33E-08	1.84E-08
1303	490508.06, 3859590.74	1.87E-04	5.90E-08	1.71E-08	2.29E-04	7.22E-08	2.10E-08	2.01E-04	6.33E-08	1.84E-08
1304	490558.06, 3859590.74	1.87E-04	5.90E-08	1.72E-08	2.29E-04	7.22E-08	2.10E-08	2.01E-04	6.34E-08	1.84E-08
1305	490608.06, 3859590.74	1.87E-04	5.90E-08	1.71E-08	2.29E-04	7.22E-08	2.10E-08	2.01E-04	6.33E-08	1.84E-08
1306	490658.06, 3859590.74	1.87E-04	5.89E-08	1.71E-08	2.29E-04	7.21E-08	2.10E-08	2.01E-04	6.33E-08	1.84E-08
1307	490708.06, 3859590.74	1.86E-04	5.88E-08	1.71E-08	2.28E-04	7.21E-08	2.10E-08	2.00E-04	6.32E-08	1.84E-08
1308	490758.06, 3859590.74	1.86E-04	5.87E-08	1.71E-08	2.28E-04	7.19E-08	2.09E-08	2.00E-04	6.31E-08	1.84E-08
1309	490808.06, 3859590.74	1.86E-04	5.86E-08	1.70E-08	2.27E-04	7.18E-08	2.09E-08	1.99E-04	6.30E-08	1.83E-08
1310	490858.06, 3859590.74	1.85E-04	5.85E-08	1.70E-08	2.27E-04	7.16E-08	2.08E-08	1.99E-04	6.28E-08	1.83E-08
1311	490458.06, 3859640.74	1.79E-04	5.63E-08	1.64E-08	2.19E-04	6.90E-08	2.01E-08	1.92E-04	6.05E-08	1.76E-08
1312	490508.06, 3859640.74	1.79E-04	5.64E-08	1.64E-08	2.19E-04	6.90E-08	2.01E-08	1.92E-04	6.06E-08	1.76E-08
1313	490558.06, 3859640.74	1.79E-04	5.64E-08	1.64E-08	2.19E-04	6.91E-08	2.01E-08	1.92E-04	6.06E-08	1.76E-08
1314	490608.06, 3859640.74	1.79E-04	5.65E-08	1.64E-08	2.19E-04	6.92E-08	2.01E-08	1.92E-04	6.07E-08	1.77E-08
1315	490658.06, 3859640.74	1.79E-04	5.65E-08	1.64E-08	2.19E-04	6.93E-08	2.01E-08	1.93E-04	6.08E-08	1.77E-08
1316	490708.06, 3859640.74	1.79E-04	5.65E-08	1.64E-08	2.19E-04	6.92E-08	2.01E-08	1.92E-04	6.07E-08	1.77E-08
1317	490758.06, 3859640.74	1.79E-04	5.65E-08	1.64E-08	2.19E-04	6.92E-08	2.01E-08	1.92E-04	6.07E-08	1.76E-08
1318	490808.06, 3859640.74	1.79E-04	5.64E-08	1.64E-08	2.19E-04	6.91E-08	2.01E-08	1.92E-04	6.06E-08	1.76E-08
1319	490858.06, 3859640.74	1.78E-04	5.63E-08	1.64E-08	2.19E-04	6.90E-08	2.01E-08	1.92E-04	6.05E-08	1.76E-08
1320	490608.06, 3859690.74	1.71E-04	5.41E-08	1.57E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.82E-08	1.69E-08
1321	490658.06, 3859690.74	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.93E-08	1.85E-04	5.83E-08	1.70E-08
1322	490708.06, 3859690.74	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.94E-08	1.85E-04	5.84E-08	1.70E-08
1323	490758.06, 3859690.74	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.94E-08	1.85E-04	5.84E-08	1.70E-08
1324	490808.06, 3859690.74	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.93E-08	1.85E-04	5.83E-08	1.70E-08
1325	490858.06, 3859690.74	1.72E-04	5.42E-08	1.58E-08	2.10E-04	6.64E-08	1.93E-08	1.85E-04	5.82E-08	1.69E-08
1326	490708.06, 3859740.74	1.65E-04	5.21E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.77E-04	5.60E-08	1.63E-08
1327	490758.06, 3859740.74	1.65E-04	5.22E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.78E-04	5.60E-08	1.63E-08
1328	490808.06, 3859740.74	1.65E-04	5.22E-08	1.52E-08	2.03E-04	6.39E-08	1.86E-08	1.78E-04	5.61E-08	1.63E-08
1329	490858.06, 3859740.74	1.65E-04	5.22E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.78E-04	5.60E-08	1.63E-08
1330	490786.56, 3859749.39	1.64E-04	5.18E-08	1.51E-08	2.01E-04	6.35E-08	1.85E-08	1.76E-04	5.57E-08	1.62E-08
1331	490836.56, 3859749.39	1.64E-04	5.18E-08	1.51E-08	2.01E-04	6.35E-08	1.85E-08	1.76E-04	5.57E-08	1.62E-08
1332	490786.56, 3859799.39	1.57E-04	4.97E-08	1.45E-08	1.93E-04	6.09E-08	1.77E-08	1.69E-04	5.34E-08	1.55E-08
1333	490836.56, 3859799.39	1.58E-04	4.98E-08	1.45E-08	1.93E-04	6.10E-08	1.77E-08	1.69E-04	5.35E-08	1.56E-08
1334	492307.84, 3854508.36	2.36E-04	7.45E-08	2.17E-08	2.89E-04	9.12E-08	2.65E-08	2.54E-04	8.00E-08	2.33E-08
1335	486445.7, 3854753.6	6.65E-04	2.10E-07	6.11E-08	8.15E-04	2.57E-07	7.48E-08	7.12E-04	2.25E-07	6.54E-08
1336	472599.75, 3877830.11	6.35E-06	2.00E-09	5.83E-10	7.78E-06	2.46E-09	7.14E-10	6.83E-06	2.15E-09	6.27E-10
1337	493107.48, 3866840.19	1.98E-05	6.25E-09	1.82E-09	2.42E-05	7.65E-09	2.23E-09	2.12E-05	6.71E-09	1.95E-09
1338	495815.8, 3861662.87	6.10E-05	1.92E-08	5.60E-09	7.47E-05	2.36E-08	6.86E-09	6.54E-05	2.07E-08	6.01E-09
1339	480272.33, 3841389.2	2.09E-06	6.58E-10	1.91E-10	2.55E-06	8.06E-10	2.35E-10	2.24E-06	7.07E-10	2.06E-10
1340	497005.18, 3862813.64	4.25E-05	1.34E-08	3.91E-09	5.21E-05	1.64E-08	4.78E-09	4.57E-05	1.44E-08	4.19E-09

1341	493677.33, 3860302.55	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
1342	493727.33, 3860302.55	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1343	493777.33, 3860302.55	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1344	493827.33, 3860302.55	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
1345	493877.33, 3860302.55	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
1346	493927.33, 3860302.55	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
1347	493977.33, 3860302.55	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
1348	494027.33, 3860302.55	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1349	493677.33, 3860352.55	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
1350	493727.33, 3860352.55	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
1351	493777.33, 3860352.55	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
1352	493827.33, 3860352.55	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
1353	493877.33, 3860352.55	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
1354	493927.33, 3860352.55	1.10E-04	3.47E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
1355	493977.33, 3860352.55	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
1356	494027.33, 3860352.55	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
1357	493677.33, 3860402.55	1.08E-04	3.41E-08	9.92E-09	1.32E-04	4.18E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
1358	493727.33, 3860402.55	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1359	493777.33, 3860402.55	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1360	493827.33, 3860402.55	1.08E-04	3.39E-08	9.87E-09	1.32E-04	4.16E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1361	493877.33, 3860402.55	1.07E-04	3.39E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1362	493927.33, 3860402.55	1.07E-04	3.39E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1363	493977.33, 3860402.55	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1364	494027.33, 3860402.55	1.07E-04	3.38E-08	9.83E-09	1.31E-04	4.14E-08	1.20E-08	1.15E-04	3.63E-08	1.06E-08
1365	493677.33, 3860452.55	1.06E-04	3.33E-08	9.69E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
1366	493727.33, 3860452.55	1.05E-04	3.32E-08	9.66E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1367	493777.33, 3860452.55	1.05E-04	3.32E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1368	493827.33, 3860452.55	1.05E-04	3.32E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1369	493877.33, 3860452.55	1.05E-04	3.31E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.03E-08
1370	493927.33, 3860452.55	1.05E-04	3.32E-08	9.65E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1371	493977.33, 3860452.55	1.05E-04	3.31E-08	9.63E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
1372	494027.33, 3860452.55	1.05E-04	3.30E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
1373	493677.33, 3860502.55	1.03E-04	3.25E-08	9.46E-09	1.26E-04	3.98E-08	1.16E-08	1.11E-04	3.49E-08	1.02E-08
1374	493727.33, 3860502.55	1.03E-04	3.24E-08	9.44E-09	1.26E-04	3.97E-08	1.16E-08	1.10E-04	3.48E-08	1.01E-08
1375	493777.33, 3860502.55	1.03E-04	3.24E-08	9.43E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
1376	493827.33, 3860502.55	1.03E-04	3.24E-08	9.42E-09	1.26E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1377	493877.33, 3860502.55	1.03E-04	3.24E-08	9.42E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
1378	493927.33, 3860502.55	1.03E-04	3.24E-08	9.42E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
1379	493977.33, 3860502.55	1.02E-04	3.23E-08	9.41E-09	1.25E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1380	494027.33, 3860502.55	1.02E-04	3.23E-08	9.39E-09	1.25E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1381	493627.33, 3860552.55	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
1382	493677.33, 3860552.55	1.00E-04	3.17E-08	9.22E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.90E-09
1383	493727.33, 3860552.55	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
1384	493777.33, 3860552.55	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
1385	493827.33, 3860552.55	1.00E-04	3.17E-08	9.21E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
1386	493877.33, 3860552.55	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.07E-04	3.39E-08	9.87E-09
1387	493927.33, 3860552.55	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
1388	493977.33, 3860552.55	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
1389	494027.33, 3860552.55	1.00E-04	3.16E-08	9.18E-09	1.22E-04	3.87E-08	1.12E-08	1.07E-04	3.39E-08	9.86E-09
1390	493627.33, 3860602.55	9.82E-05	3.10E-08	9.01E-09	1.20E-04	3.80E-08	1.10E-08	1.05E-04	3.33E-08	9.68E-09
1391	493727.33, 3860602.55	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
1392	493777.33, 3860602.55	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.64E-09
1393	493827.33, 3860602.55	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
1394	493877.33, 3860602.55	9.79E-05	3.09E-08	8.99E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.65E-09
1395	493927.33, 3860602.55	9.79E-05	3.09E-08	8.99E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.65E-09
1396	493977.33, 3860602.55	9.79E-05	3.09E-08	8.99E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.65E-09
1397	494027.33, 3860602.55	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
1398	493627.33, 3860652.55	9.57E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
1399	493727.33, 3860652.55	9.53E-05	3.01E-08	8.75E-09	1.17E-04	3.68E-08	1.07E-08	1.02E-04	3.23E-08	9.39E-09
1400	493777.33, 3860652.55	9.54E-05	3.01E-08	8.76E-09	1.17E-04	3.69E-08	1.07E-08	1.02E-04	3.23E-08	9.40E-09
1401	493827.33, 3860652.55	9.55E-05	3.01E-08	8.77E-09	1.17E-04	3.69E-08	1.07E-08	1.03E-04	3.24E-08	9.41E-09
1402	493877.33, 3860652.55	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
1403	493927.33, 3860652.55	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
1404	493977.33, 3860652.55	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.07E-08	1.03E-04	3.24E-08	9.42E-09

1405	494027.33, 3860652.55	9.57E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
1406	494311.06, 3858401.99	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.35E-08	1.26E-08
1407	494361.06, 3858401.99	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
1408	494411.06, 3858401.99	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.21E-08	1.23E-08
1409	494461.06, 3858401.99	1.24E-04	3.90E-08	1.14E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1410	494511.06, 3858401.99	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
1411	494561.06, 3858401.99	1.21E-04	3.83E-08	1.11E-08	1.48E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
1412	494611.06, 3858401.99	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1413	494661.06, 3858401.99	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1414	494711.06, 3858401.99	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
1415	494761.06, 3858401.99	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1416	494811.06, 3858401.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1417	494861.06, 3858401.99	1.12E-04	3.52E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.78E-08	1.10E-08
1418	494911.06, 3858401.99	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
1419	494961.06, 3858401.99	1.09E-04	3.43E-08	9.98E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
1420	495011.06, 3858401.99	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1421	495061.06, 3858401.99	1.05E-04	3.32E-08	9.67E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
1422	495111.06, 3858401.99	1.03E-04	3.24E-08	9.41E-09	1.26E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1423	495161.06, 3858401.99	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.94E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
1424	495211.06, 3858401.99	9.96E-05	3.14E-08	9.15E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.38E-08	9.82E-09
1425	495261.06, 3858401.99	9.83E-05	3.10E-08	9.03E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.69E-09
1426	495311.06, 3858401.99	9.70E-05	3.06E-08	8.90E-09	1.19E-04	3.75E-08	1.09E-08	1.04E-04	3.29E-08	9.56E-09
1427	495361.06, 3858401.99	9.61E-05	3.03E-08	8.82E-09	1.18E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.47E-09
1428	495411.06, 3858401.99	9.56E-05	3.02E-08	8.77E-09	1.17E-04	3.69E-08	1.07E-08	1.03E-04	3.24E-08	9.42E-09
1429	495461.06, 3858401.99	9.52E-05	3.01E-08	8.74E-09	1.17E-04	3.68E-08	1.07E-08	1.02E-04	3.23E-08	9.38E-09
1430	495511.06, 3858401.99	9.47E-05	2.99E-08	8.70E-09	1.16E-04	3.66E-08	1.07E-08	1.02E-04	3.21E-08	9.34E-09
1431	495561.06, 3858401.99	9.35E-05	2.95E-08	8.58E-09	1.15E-04	3.61E-08	1.05E-08	1.00E-04	3.17E-08	9.22E-09
1432	495611.06, 3858401.99	9.31E-05	2.94E-08	8.54E-09	1.14E-04	3.60E-08	1.05E-08	9.99E-05	3.15E-08	9.17E-09
1433	495661.06, 3858401.99	9.37E-05	2.96E-08	8.60E-09	1.15E-04	3.62E-08	1.05E-08	1.01E-04	3.17E-08	9.23E-09
1434	494311.06, 3858451.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1435	494361.06, 3858451.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
1436	494411.06, 3858451.99	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1437	494461.06, 3858451.99	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
1438	494511.06, 3858451.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1439	494561.06, 3858451.99	1.23E-04	3.90E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
1440	494611.06, 3858451.99	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
1441	494661.06, 3858451.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
1442	494711.06, 3858451.99	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.34E-08	1.27E-04	4.02E-08	1.17E-08
1443	494761.06, 3858451.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1444	494811.06, 3858451.99	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
1445	494861.06, 3858451.99	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
1446	494911.06, 3858451.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.78E-08	1.10E-08
1447	494961.06, 3858451.99	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
1448	495011.06, 3858451.99	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1449	495061.06, 3858451.99	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1450	495111.06, 3858451.99	1.05E-04	3.31E-08	9.63E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
1451	495161.06, 3858451.99	1.03E-04	3.24E-08	9.43E-09	1.26E-04	3.97E-08	1.16E-08	1.10E-04	3.48E-08	1.01E-08
1452	495211.06, 3858451.99	1.01E-04	3.18E-08	9.25E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.93E-09
1453	495261.06, 3858451.99	9.95E-05	3.14E-08	9.13E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.37E-08	9.80E-09
1454	495311.06, 3858451.99	9.84E-05	3.11E-08	9.04E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.70E-09
1455	495361.06, 3858451.99	9.76E-05	3.08E-08	8.96E-09	1.20E-04	3.77E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
1456	495411.06, 3858451.99	9.72E-05	3.07E-08	8.92E-09	1.19E-04	3.76E-08	1.09E-08	1.04E-04	3.29E-08	9.58E-09
1457	495461.06, 3858451.99	9.69E-05	3.06E-08	8.90E-09	1.19E-04	3.75E-08	1.09E-08	1.04E-04	3.28E-08	9.55E-09
1458	495511.06, 3858451.99	9.59E-05	3.03E-08	8.80E-09	1.17E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.45E-09
1459	495561.06, 3858451.99	9.60E-05	3.03E-08	8.81E-09	1.18E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.46E-09
1460	495611.06, 3858451.99	9.48E-05	2.99E-08	8.70E-09	1.16E-04	3.66E-08	1.07E-08	1.02E-04	3.21E-08	9.34E-09
1461	495661.06, 3858451.99	9.46E-05	2.99E-08	8.69E-09	1.16E-04	3.66E-08	1.06E-08	1.02E-04	3.21E-08	9.32E-09
1462	494311.06, 3858501.99	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
1463	494361.06, 3858501.99	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
1464	494411.06, 3858501.99	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.97E-08	1.44E-08	1.38E-04	4.35E-08	1.27E-08
1465	494461.06, 3858501.99	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1466	494511.06, 3858501.99	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
1467	494561.06, 3858501.99	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
1468	494611.06, 3858501.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.20E-08	1.22E-08

1469	494661.06, 3858501.99	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1470	494711.06, 3858501.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1471	494761.06, 3858501.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1472	494811.06, 3858501.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.32E-08	1.26E-04	3.96E-08	1.15E-08
1473	494861.06, 3858501.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1474	494911.06, 3858501.99	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1475	494961.06, 3858501.99	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
1476	495011.06, 3858501.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1477	495061.06, 3858501.99	1.08E-04	3.42E-08	9.94E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
1478	495111.06, 3858501.99	1.05E-04	3.33E-08	9.68E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.57E-08	1.04E-08
1479	495161.06, 3858501.99	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
1480	495211.06, 3858501.99	1.02E-04	3.22E-08	9.36E-09	1.25E-04	3.94E-08	1.15E-08	1.09E-04	3.45E-08	1.00E-08
1481	495261.06, 3858501.99	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
1482	495311.06, 3858501.99	1.00E-04	3.15E-08	9.18E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.39E-08	9.85E-09
1483	495361.06, 3858501.99	9.93E-05	3.13E-08	9.12E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.36E-08	9.78E-09
1484	495411.06, 3858501.99	9.89E-05	3.12E-08	9.08E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.74E-09
1485	495461.06, 3858501.99	9.84E-05	3.11E-08	9.04E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.33E-08	9.70E-09
1486	495511.06, 3858501.99	9.78E-05	3.09E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
1487	495561.06, 3858501.99	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
1488	495611.06, 3858501.99	9.67E-05	3.05E-08	8.88E-09	1.18E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.53E-09
1489	495661.06, 3858501.99	9.66E-05	3.05E-08	8.87E-09	1.18E-04	3.73E-08	1.09E-08	1.04E-04	3.27E-08	9.52E-09
1490	494311.06, 3858551.99	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1491	494361.06, 3858551.99	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
1492	494411.06, 3858551.99	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.41E-08	1.28E-08
1493	494461.06, 3858551.99	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
1494	494511.06, 3858551.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1495	494561.06, 3858551.99	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1496	494611.06, 3858551.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
1497	494661.06, 3858551.99	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
1498	494711.06, 3858551.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
1499	494761.06, 3858551.99	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
1500	494811.06, 3858551.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.62E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
1501	494861.06, 3858551.99	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1502	494911.06, 3858551.99	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
1503	494961.06, 3858551.99	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
1504	495011.06, 3858551.99	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
1505	495061.06, 3858551.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
1506	495111.06, 3858551.99	1.07E-04	3.36E-08	9.78E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
1507	495161.06, 3858551.99	1.05E-04	3.31E-08	9.62E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
1508	495211.06, 3858551.99	1.03E-04	3.26E-08	9.47E-09	1.26E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
1509	495261.06, 3858551.99	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
1510	495311.06, 3858551.99	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
1511	495361.06, 3858551.99	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.94E-09
1512	495411.06, 3858551.99	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.91E-09
1513	495461.06, 3858551.99	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.07E-04	3.39E-08	9.86E-09
1514	495511.06, 3858551.99	9.98E-05	3.15E-08	9.16E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.84E-09
1515	495561.06, 3858551.99	9.93E-05	3.13E-08	9.11E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.36E-08	9.78E-09
1516	495611.06, 3858551.99	9.86E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.72E-09
1517	495661.06, 3858551.99	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
1518	494311.06, 3858601.99	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
1519	494361.06, 3858601.99	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.35E-08	1.26E-08
1520	494411.06, 3858601.99	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
1521	494461.06, 3858601.99	1.32E-04	4.18E-08	1.22E-08	1.62E-04	5.12E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
1522	494511.06, 3858601.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1523	494561.06, 3858601.99	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1524	494611.06, 3858601.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
1525	494661.06, 3858601.99	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1526	494711.06, 3858601.99	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
1527	494761.06, 3858601.99	1.24E-04	3.90E-08	1.14E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1528	494811.06, 3858601.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
1529	494861.06, 3858601.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
1530	494911.06, 3858601.99	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1531	494961.06, 3858601.99	1.15E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1532	495011.06, 3858601.99	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08

1533	495061.06, 3858601.99	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
1534	495111.06, 3858601.99	1.07E-04	3.39E-08	9.87E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1535	495161.06, 3858601.99	1.06E-04	3.34E-08	9.72E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
1536	495211.06, 3858601.99	1.05E-04	3.31E-08	9.62E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
1537	495261.06, 3858601.99	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
1538	495311.06, 3858601.99	1.03E-04	3.24E-08	9.44E-09	1.26E-04	3.97E-08	1.16E-08	1.10E-04	3.48E-08	1.01E-08
1539	495361.06, 3858601.99	1.02E-04	3.23E-08	9.40E-09	1.25E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1540	495411.06, 3858601.99	1.02E-04	3.22E-08	9.35E-09	1.25E-04	3.94E-08	1.15E-08	1.09E-04	3.45E-08	1.00E-08
1541	495461.06, 3858601.99	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
1542	495511.06, 3858601.99	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
1543	495561.06, 3858601.99	1.01E-04	3.17E-08	9.23E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.40E-08	9.90E-09
1544	495611.06, 3858601.99	9.95E-05	3.14E-08	9.13E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.37E-08	9.80E-09
1545	495661.06, 3858601.99	9.92E-05	3.13E-08	9.10E-09	1.21E-04	3.83E-08	1.12E-08	1.06E-04	3.36E-08	9.77E-09
1546	494311.06, 3858651.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.08E-08	1.19E-08
1547	494361.06, 3858651.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.29E-08	1.25E-08
1548	494411.06, 3858651.99	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.43E-04	4.53E-08	1.32E-08
1549	494461.06, 3858651.99	1.34E-04	4.24E-08	1.23E-08	1.64E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
1550	494511.06, 3858651.99	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
1551	494561.06, 3858651.99	1.32E-04	4.18E-08	1.22E-08	1.62E-04	5.12E-08	1.49E-08	1.42E-04	4.49E-08	1.30E-08
1552	494611.06, 3858651.99	1.31E-04	4.15E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
1553	494661.06, 3858651.99	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
1554	494711.06, 3858651.99	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1555	494761.06, 3858651.99	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
1556	494811.06, 3858651.99	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1557	494861.06, 3858651.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
1558	494911.06, 3858651.99	1.18E-04	3.72E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1559	494961.06, 3858651.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1560	495011.06, 3858651.99	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
1561	495061.06, 3858651.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1562	495111.06, 3858651.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1563	495161.06, 3858651.99	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1564	495211.06, 3858651.99	1.06E-04	3.35E-08	9.73E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
1565	495261.06, 3858651.99	1.05E-04	3.33E-08	9.68E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.57E-08	1.04E-08
1566	495311.06, 3858651.99	1.05E-04	3.30E-08	9.60E-09	1.28E-04	4.04E-08	1.18E-08	1.12E-04	3.54E-08	1.03E-08
1567	495361.06, 3858651.99	1.04E-04	3.28E-08	9.55E-09	1.27E-04	4.02E-08	1.17E-08	1.12E-04	3.52E-08	1.03E-08
1568	495411.06, 3858651.99	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
1569	495461.06, 3858651.99	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
1570	495511.06, 3858651.99	1.03E-04	3.24E-08	9.42E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
1571	495561.06, 3858651.99	1.02E-04	3.21E-08	9.35E-09	1.25E-04	3.94E-08	1.15E-08	1.09E-04	3.45E-08	1.00E-08
1572	495611.06, 3858651.99	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
1573	495661.06, 3858651.99	1.00E-04	3.17E-08	9.21E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
1574	494311.06, 3858701.99	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
1575	494361.06, 3858701.99	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.42E-08	1.29E-08
1576	494411.06, 3858701.99	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1577	494461.06, 3858701.99	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1578	494511.06, 3858701.99	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.22E-08	1.52E-08	1.45E-04	4.57E-08	1.33E-08
1579	494561.06, 3858701.99	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.54E-08	1.32E-08
1580	494611.06, 3858701.99	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
1581	494661.06, 3858701.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
1582	494711.06, 3858701.99	1.25E-04	3.96E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1583	494761.06, 3858701.99	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
1584	494811.06, 3858701.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1585	494861.06, 3858701.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
1586	494911.06, 3858701.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1587	494961.06, 3858701.99	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1588	495011.06, 3858701.99	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.87E-08	1.12E-08
1589	495061.06, 3858701.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1590	495111.06, 3858701.99	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
1591	495161.06, 3858701.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1592	495211.06, 3858701.99	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1593	495261.06, 3858701.99	1.07E-04	3.38E-08	9.82E-09	1.31E-04	4.14E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1594	495311.06, 3858701.99	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
1595	495361.06, 3858701.99	1.06E-04	3.34E-08	9.72E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
1596	495411.06, 3858701.99	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08

1597	495461.06, 3858701.99	1.05E-04	3.32E-08	9.66E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1598	495511.06, 3858701.99	1.04E-04	3.29E-08	9.58E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
1599	495561.06, 3858701.99	1.03E-04	3.26E-08	9.49E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
1600	495611.06, 3858701.99	1.02E-04	3.23E-08	9.39E-09	1.25E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1601	495661.06, 3858701.99	1.02E-04	3.21E-08	9.34E-09	1.25E-04	3.93E-08	1.14E-08	1.09E-04	3.45E-08	1.00E-08
1602	494311.06, 3858751.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.20E-08	1.22E-08
1603	494361.06, 3858751.99	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.44E-04	4.53E-08	1.32E-08
1604	494411.06, 3858751.99	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
1605	494461.06, 3858751.99	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1606	494511.06, 3858751.99	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
1607	494561.06, 3858751.99	1.36E-04	4.28E-08	1.24E-08	1.66E-04	5.24E-08	1.52E-08	1.46E-04	4.59E-08	1.34E-08
1608	494611.06, 3858751.99	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
1609	494661.06, 3858751.99	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
1610	494711.06, 3858751.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1611	494761.06, 3858751.99	1.28E-04	4.03E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1612	494811.06, 3858751.99	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.23E-08	1.23E-08
1613	494861.06, 3858751.99	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.74E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
1614	494911.06, 3858751.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1615	494961.06, 3858751.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
1616	495011.06, 3858751.99	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
1617	495061.06, 3858751.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1618	495111.06, 3858751.99	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
1619	495161.06, 3858751.99	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
1620	495211.06, 3858751.99	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.23E-08	1.17E-04	3.69E-08	1.07E-08
1621	495261.06, 3858751.99	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
1622	495311.06, 3858751.99	1.08E-04	3.41E-08	9.92E-09	1.32E-04	4.18E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
1623	495361.06, 3858751.99	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1624	495411.06, 3858751.99	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1625	495461.06, 3858751.99	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1626	495511.06, 3858751.99	1.06E-04	3.35E-08	9.73E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
1627	495561.06, 3858751.99	1.05E-04	3.31E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.03E-08
1628	495611.06, 3858751.99	1.04E-04	3.28E-08	9.55E-09	1.27E-04	4.02E-08	1.17E-08	1.12E-04	3.52E-08	1.03E-08
1629	495661.06, 3858751.99	1.03E-04	3.26E-08	9.48E-09	1.27E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
1630	494311.06, 3858801.99	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.34E-08	1.26E-08
1631	494361.06, 3858801.99	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
1632	494411.06, 3858801.99	1.38E-04	4.35E-08	1.27E-08	1.69E-04	5.33E-08	1.55E-08	1.48E-04	4.67E-08	1.36E-08
1633	494461.06, 3858801.99	1.39E-04	4.37E-08	1.27E-08	1.70E-04	5.36E-08	1.56E-08	1.49E-04	4.69E-08	1.37E-08
1634	494511.06, 3858801.99	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
1635	494561.06, 3858801.99	1.38E-04	4.36E-08	1.27E-08	1.69E-04	5.34E-08	1.55E-08	1.48E-04	4.68E-08	1.36E-08
1636	494611.06, 3858801.99	1.37E-04	4.32E-08	1.26E-08	1.67E-04	5.29E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
1637	494661.06, 3858801.99	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
1638	494711.06, 3858801.99	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.41E-04	4.46E-08	1.30E-08
1639	494761.06, 3858801.99	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1640	494811.06, 3858801.99	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
1641	494861.06, 3858801.99	1.24E-04	3.90E-08	1.14E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1642	494911.06, 3858801.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1643	494961.06, 3858801.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
1644	495011.06, 3858801.99	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
1645	495061.06, 3858801.99	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1646	495111.06, 3858801.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.21E-04	3.83E-08	1.12E-08
1647	495161.06, 3858801.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1648	495211.06, 3858801.99	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
1649	495261.06, 3858801.99	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
1650	495311.06, 3858801.99	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
1651	495361.06, 3858801.99	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.23E-08	1.17E-04	3.69E-08	1.07E-08
1652	495411.06, 3858801.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1653	495461.06, 3858801.99	1.09E-04	3.43E-08	9.97E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
1654	495511.06, 3858801.99	1.08E-04	3.39E-08	9.87E-09	1.32E-04	4.16E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1655	495561.06, 3858801.99	1.07E-04	3.37E-08	9.80E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1656	495611.06, 3858801.99	1.06E-04	3.33E-08	9.69E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.57E-08	1.04E-08
1657	495661.06, 3858801.99	1.05E-04	3.31E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.03E-08
1658	494311.06, 3858851.99	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
1659	494361.06, 3858851.99	1.41E-04	4.45E-08	1.29E-08	1.73E-04	5.45E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
1660	494411.06, 3858851.99	1.40E-04	4.43E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.75E-08	1.38E-08

1661	494461.06, 3858851.99	1.40E-04	4.43E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.38E-08
1662	494511.06, 3858851.99	1.40E-04	4.42E-08	1.29E-08	1.72E-04	5.42E-08	1.58E-08	1.50E-04	4.75E-08	1.38E-08
1663	494561.06, 3858851.99	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
1664	494611.06, 3858851.99	1.37E-04	4.34E-08	1.26E-08	1.68E-04	5.31E-08	1.55E-08	1.47E-04	4.65E-08	1.35E-08
1665	494661.06, 3858851.99	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1666	494711.06, 3858851.99	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
1667	494761.06, 3858851.99	1.29E-04	4.08E-08	1.19E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
1668	494811.06, 3858851.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
1669	494861.06, 3858851.99	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.23E-08	1.23E-08
1670	494911.06, 3858851.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
1671	494961.06, 3858851.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
1672	495011.06, 3858851.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1673	495061.06, 3858851.99	1.17E-04	3.70E-08	1.07E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
1674	495111.06, 3858851.99	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
1675	495161.06, 3858851.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1676	495211.06, 3858851.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1677	495261.06, 3858851.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1678	495311.06, 3858851.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1679	495361.06, 3858851.99	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
1680	495411.06, 3858851.99	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
1681	495461.06, 3858851.99	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
1682	495511.06, 3858851.99	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
1683	495561.06, 3858851.99	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1684	495611.06, 3858851.99	1.06E-04	3.36E-08	9.78E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
1685	495661.06, 3858851.99	1.06E-04	3.35E-08	9.75E-09	1.30E-04	4.11E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
1686	494311.06, 3858901.99	1.40E-04	4.40E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.37E-08
1687	494361.06, 3858901.99	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
1688	494411.06, 3858901.99	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
1689	494461.06, 3858901.99	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.52E-08	1.60E-08	1.53E-04	4.83E-08	1.41E-08
1690	494511.06, 3858901.99	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1691	494561.06, 3858901.99	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.38E-08
1692	494611.06, 3858901.99	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
1693	494661.06, 3858901.99	1.36E-04	4.29E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.60E-08	1.34E-08
1694	494711.06, 3858901.99	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
1695	494761.06, 3858901.99	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
1696	494811.06, 3858901.99	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1697	494861.06, 3858901.99	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
1698	494911.06, 3858901.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1699	494961.06, 3858901.99	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
1700	495011.06, 3858901.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
1701	495061.06, 3858901.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
1702	495111.06, 3858901.99	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
1703	495161.06, 3858901.99	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
1704	495211.06, 3858901.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
1705	495261.06, 3858901.99	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1706	495311.06, 3858901.99	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
1707	495361.06, 3858901.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1708	495411.06, 3858901.99	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1709	495461.06, 3858901.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1710	495511.06, 3858901.99	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
1711	495561.06, 3858901.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1712	495611.06, 3858901.99	1.08E-04	3.41E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1713	495661.06, 3858901.99	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1714	494311.06, 3858951.99	1.44E-04	4.55E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
1715	494361.06, 3858951.99	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.60E-08	1.63E-08	1.56E-04	4.91E-08	1.43E-08
1716	494411.06, 3858951.99	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1717	494461.06, 3858951.99	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1718	494511.06, 3858951.99	1.43E-04	4.51E-08	1.31E-08	1.75E-04	5.52E-08	1.61E-08	1.53E-04	4.84E-08	1.41E-08
1719	494561.06, 3858951.99	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.78E-08	1.39E-08
1720	494611.06, 3858951.99	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
1721	494661.06, 3858951.99	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
1722	494711.06, 3858951.99	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
1723	494761.06, 3858951.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
1724	494811.06, 3858951.99	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08

1725	494861.06, 3858951.99	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1726	494911.06, 3858951.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1727	494961.06, 3858951.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
1728	495011.06, 3858951.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1729	495061.06, 3858951.99	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1730	495111.06, 3858951.99	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
1731	495161.06, 3858951.99	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1732	495211.06, 3858951.99	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1733	495261.06, 3858951.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1734	495311.06, 3858951.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1735	495361.06, 3858951.99	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1736	495411.06, 3858951.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.21E-04	3.83E-08	1.12E-08
1737	495461.06, 3858951.99	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
1738	495511.06, 3858951.99	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
1739	495561.06, 3858951.99	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
1740	495611.06, 3858951.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
1741	495661.06, 3858951.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1742	494311.06, 3859001.99	1.47E-04	4.63E-08	1.35E-08	1.79E-04	5.67E-08	1.65E-08	1.57E-04	4.96E-08	1.44E-08
1743	494361.06, 3859001.99	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.65E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
1744	494411.06, 3859001.99	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.93E-08	1.43E-08
1745	494461.06, 3859001.99	1.45E-04	4.57E-08	1.33E-08	1.77E-04	5.60E-08	1.63E-08	1.55E-04	4.90E-08	1.43E-08
1746	494511.06, 3859001.99	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1747	494561.06, 3859001.99	1.42E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
1748	494611.06, 3859001.99	1.40E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.73E-08	1.37E-08
1749	494661.06, 3859001.99	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1750	494711.06, 3859001.99	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.44E-04	4.53E-08	1.32E-08
1751	494761.06, 3859001.99	1.32E-04	4.16E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
1752	494811.06, 3859001.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1753	494861.06, 3859001.99	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1754	494911.06, 3859001.99	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
1755	494961.06, 3859001.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
1756	495011.06, 3859001.99	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1757	495061.06, 3859001.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1758	495111.06, 3859001.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.87E-08	1.13E-08
1759	495161.06, 3859001.99	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1760	495211.06, 3859001.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1761	495261.06, 3859001.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1762	495311.06, 3859001.99	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1763	495361.06, 3859001.99	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1764	495411.06, 3859001.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.87E-08	1.13E-08
1765	495461.06, 3859001.99	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
1766	495511.06, 3859001.99	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
1767	495561.06, 3859001.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.78E-08	1.10E-08
1768	495611.06, 3859001.99	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
1769	495661.06, 3859001.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1770	494311.06, 3859051.99	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
1771	494361.06, 3859051.99	1.48E-04	4.66E-08	1.36E-08	1.81E-04	5.71E-08	1.66E-08	1.59E-04	5.00E-08	1.46E-08
1772	494411.06, 3859051.99	1.47E-04	4.62E-08	1.35E-08	1.79E-04	5.66E-08	1.65E-08	1.57E-04	4.96E-08	1.44E-08
1773	494461.06, 3859051.99	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.61E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
1774	494511.06, 3859051.99	1.43E-04	4.52E-08	1.32E-08	1.76E-04	5.54E-08	1.61E-08	1.54E-04	4.85E-08	1.41E-08
1775	494561.06, 3859051.99	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
1776	494611.06, 3859051.99	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
1777	494661.06, 3859051.99	1.37E-04	4.34E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
1778	494711.06, 3859051.99	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1779	494761.06, 3859051.99	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
1780	494811.06, 3859051.99	1.31E-04	4.14E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
1781	494861.06, 3859051.99	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
1782	494911.06, 3859051.99	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
1783	494961.06, 3859051.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1784	495011.06, 3859051.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1785	495061.06, 3859051.99	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1786	495111.06, 3859051.99	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
1787	495161.06, 3859051.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1788	495211.06, 3859051.99	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08

1789	495261.06, 3859051.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.32E-08	1.26E-04	3.96E-08	1.15E-08
1790	495311.06, 3859051.99	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
1791	495361.06, 3859051.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1792	495411.06, 3859051.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1793	495461.06, 3859051.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1794	495511.06, 3859051.99	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.23E-04	3.87E-08	1.12E-08
1795	495561.06, 3859051.99	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1796	495611.06, 3859051.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1797	495661.06, 3859051.99	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
1798	494311.06, 3859101.99	1.49E-04	4.70E-08	1.37E-08	1.83E-04	5.76E-08	1.68E-08	1.60E-04	5.05E-08	1.47E-08
1799	494361.06, 3859101.99	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
1800	494411.06, 3859101.99	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.69E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
1801	494461.06, 3859101.99	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.94E-08	1.44E-08
1802	494511.06, 3859101.99	1.44E-04	4.53E-08	1.32E-08	1.76E-04	5.55E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1803	494561.06, 3859101.99	1.42E-04	4.48E-08	1.30E-08	1.74E-04	5.49E-08	1.60E-08	1.52E-04	4.81E-08	1.40E-08
1804	494611.06, 3859101.99	1.39E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.72E-08	1.37E-08
1805	494661.06, 3859101.99	1.38E-04	4.35E-08	1.27E-08	1.69E-04	5.33E-08	1.55E-08	1.48E-04	4.67E-08	1.36E-08
1806	494711.06, 3859101.99	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.21E-08	1.52E-08	1.45E-04	4.57E-08	1.33E-08
1807	494761.06, 3859101.99	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.54E-08	1.32E-08
1808	494811.06, 3859101.99	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.47E-08	1.30E-08
1809	494861.06, 3859101.99	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.41E-08	1.28E-08
1810	494911.06, 3859101.99	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1811	494961.06, 3859101.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1812	495011.06, 3859101.99	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1813	495061.06, 3859101.99	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1814	495111.06, 3859101.99	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
1815	495161.06, 3859101.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1816	495211.06, 3859101.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	3.99E-08	1.16E-08
1817	495261.06, 3859101.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	3.99E-08	1.16E-08
1818	495311.06, 3859101.99	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1819	495361.06, 3859101.99	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1820	495411.06, 3859101.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
1821	495461.06, 3859101.99	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1822	495511.06, 3859101.99	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1823	495561.06, 3859101.99	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1824	495611.06, 3859101.99	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.84E-08	1.12E-08
1825	495661.06, 3859101.99	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
1826	494311.06, 3859151.99	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.77E-08	1.68E-08	1.60E-04	5.06E-08	1.47E-08
1827	494361.06, 3859151.99	1.49E-04	4.69E-08	1.36E-08	1.82E-04	5.74E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
1828	494411.06, 3859151.99	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
1829	494461.06, 3859151.99	1.45E-04	4.59E-08	1.33E-08	1.78E-04	5.62E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
1830	494511.06, 3859151.99	1.43E-04	4.52E-08	1.32E-08	1.75E-04	5.54E-08	1.61E-08	1.54E-04	4.85E-08	1.41E-08
1831	494561.06, 3859151.99	1.42E-04	4.48E-08	1.30E-08	1.74E-04	5.49E-08	1.60E-08	1.52E-04	4.81E-08	1.40E-08
1832	494611.06, 3859151.99	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
1833	494661.06, 3859151.99	1.38E-04	4.37E-08	1.27E-08	1.69E-04	5.35E-08	1.56E-08	1.48E-04	4.69E-08	1.36E-08
1834	494711.06, 3859151.99	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1835	494761.06, 3859151.99	1.35E-04	4.25E-08	1.23E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.56E-08	1.33E-08
1836	494811.06, 3859151.99	1.32E-04	4.18E-08	1.21E-08	1.62E-04	5.12E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
1837	494861.06, 3859151.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1838	494911.06, 3859151.99	1.28E-04	4.04E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.34E-08	1.26E-08
1839	494961.06, 3859151.99	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.33E-04	4.21E-08	1.23E-08
1840	495011.06, 3859151.99	1.21E-04	3.80E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.08E-08	1.19E-08
1841	495061.06, 3859151.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1842	495111.06, 3859151.99	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1843	495161.06, 3859151.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1844	495211.06, 3859151.99	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1845	495261.06, 3859151.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1846	495311.06, 3859151.99	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
1847	495361.06, 3859151.99	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1848	495411.06, 3859151.99	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
1849	495461.06, 3859151.99	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.16E-08
1850	495511.06, 3859151.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1851	495561.06, 3859151.99	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
1852	495611.06, 3859151.99	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08

1853	495661.06, 3859151.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1854	494311.06, 3859201.99	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.76E-08	1.68E-08	1.60E-04	5.05E-08	1.47E-08
1855	494361.06, 3859201.99	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.73E-08	1.67E-08	1.59E-04	5.02E-08	1.46E-08
1856	494411.06, 3859201.99	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.97E-08	1.45E-08
1857	494461.06, 3859201.99	1.45E-04	4.57E-08	1.33E-08	1.78E-04	5.60E-08	1.63E-08	1.56E-04	4.91E-08	1.43E-08
1858	494511.06, 3859201.99	1.44E-04	4.53E-08	1.32E-08	1.76E-04	5.55E-08	1.61E-08	1.54E-04	4.86E-08	1.42E-08
1859	494561.06, 3859201.99	1.41E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
1860	494611.06, 3859201.99	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
1861	494661.06, 3859201.99	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.69E-08	1.36E-08
1862	494711.06, 3859201.99	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1863	494761.06, 3859201.99	1.35E-04	4.25E-08	1.24E-08	1.65E-04	5.21E-08	1.51E-08	1.45E-04	4.56E-08	1.33E-08
1864	494811.06, 3859201.99	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.42E-04	4.50E-08	1.31E-08
1865	494861.06, 3859201.99	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.42E-08	1.29E-08
1866	494911.06, 3859201.99	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1867	494961.06, 3859201.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
1868	495011.06, 3859201.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1869	495061.06, 3859201.99	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.37E-08	1.30E-04	4.11E-08	1.20E-08
1870	495111.06, 3859201.99	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
1871	495161.06, 3859201.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1872	495211.06, 3859201.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1873	495261.06, 3859201.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1874	495311.06, 3859201.99	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1875	495361.06, 3859201.99	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.18E-08
1876	495411.06, 3859201.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.62E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
1877	495461.06, 3859201.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1878	495511.06, 3859201.99	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
1879	495561.06, 3859201.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1880	495611.06, 3859201.99	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
1881	495661.06, 3859201.99	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
1882	494311.06, 3859251.99	1.49E-04	4.69E-08	1.37E-08	1.82E-04	5.75E-08	1.67E-08	1.60E-04	5.04E-08	1.47E-08
1883	494361.06, 3859251.99	1.47E-04	4.65E-08	1.35E-08	1.81E-04	5.70E-08	1.66E-08	1.58E-04	4.99E-08	1.45E-08
1884	494411.06, 3859251.99	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.93E-08	1.43E-08
1885	494461.06, 3859251.99	1.44E-04	4.56E-08	1.33E-08	1.77E-04	5.58E-08	1.62E-08	1.55E-04	4.89E-08	1.42E-08
1886	494511.06, 3859251.99	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1887	494561.06, 3859251.99	1.41E-04	4.45E-08	1.29E-08	1.73E-04	5.45E-08	1.59E-08	1.51E-04	4.78E-08	1.39E-08
1888	494611.06, 3859251.99	1.39E-04	4.39E-08	1.28E-08	1.71E-04	5.38E-08	1.57E-08	1.49E-04	4.72E-08	1.37E-08
1889	494661.06, 3859251.99	1.38E-04	4.36E-08	1.27E-08	1.69E-04	5.34E-08	1.55E-08	1.48E-04	4.68E-08	1.36E-08
1890	494711.06, 3859251.99	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1891	494761.06, 3859251.99	1.34E-04	4.21E-08	1.23E-08	1.64E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.32E-08
1892	494811.06, 3859251.99	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
1893	494861.06, 3859251.99	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
1894	494911.06, 3859251.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.29E-08	1.25E-08
1895	494961.06, 3859251.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1896	495011.06, 3859251.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.21E-08
1897	495061.06, 3859251.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
1898	495111.06, 3859251.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
1899	495161.06, 3859251.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
1900	495211.06, 3859251.99	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
1901	495261.06, 3859251.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1902	495311.06, 3859251.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
1903	495361.06, 3859251.99	1.20E-04	3.80E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
1904	495411.06, 3859251.99	1.20E-04	3.80E-08	1.11E-08	1.48E-04	4.66E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
1905	495461.06, 3859251.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1906	495511.06, 3859251.99	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
1907	495561.06, 3859251.99	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
1908	495611.06, 3859251.99	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
1909	495661.06, 3859251.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1910	494311.06, 3859301.99	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
1911	494361.06, 3859301.99	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.57E-04	4.97E-08	1.45E-08
1912	494411.06, 3859301.99	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.60E-08	1.63E-08	1.56E-04	4.91E-08	1.43E-08
1913	494461.06, 3859301.99	1.43E-04	4.52E-08	1.32E-08	1.75E-04	5.54E-08	1.61E-08	1.54E-04	4.85E-08	1.41E-08
1914	494511.06, 3859301.99	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
1915	494561.06, 3859301.99	1.40E-04	4.43E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.38E-08
1916	494611.06, 3859301.99	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08

1917	494661.06, 3859301.99	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
1918	494711.06, 3859301.99	1.36E-04	4.29E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.60E-08	1.34E-08
1919	494761.06, 3859301.99	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
1920	494811.06, 3859301.99	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
1921	494861.06, 3859301.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
1922	494911.06, 3859301.99	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1923	494961.06, 3859301.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
1924	495011.06, 3859301.99	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1925	495061.06, 3859301.99	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.33E-04	4.21E-08	1.23E-08
1926	495111.06, 3859301.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
1927	495161.06, 3859301.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
1928	495211.06, 3859301.99	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
1929	495261.06, 3859301.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.14E-08	1.21E-08
1930	495311.06, 3859301.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1931	495361.06, 3859301.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1932	495411.06, 3859301.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
1933	495461.06, 3859301.99	1.20E-04	3.80E-08	1.11E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
1934	495511.06, 3859301.99	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.18E-08
1935	495561.06, 3859301.99	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1936	495611.06, 3859301.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1937	495661.06, 3859301.99	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.93E-08	1.14E-08
1938	494311.06, 3859351.99	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.58E-04	4.97E-08	1.45E-08
1939	494361.06, 3859351.99	1.45E-04	4.59E-08	1.34E-08	1.78E-04	5.62E-08	1.64E-08	1.56E-04	4.93E-08	1.43E-08
1940	494411.06, 3859351.99	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1941	494461.06, 3859351.99	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1942	494511.06, 3859351.99	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.44E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
1943	494561.06, 3859351.99	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
1944	494611.06, 3859351.99	1.38E-04	4.37E-08	1.27E-08	1.69E-04	5.35E-08	1.56E-08	1.49E-04	4.69E-08	1.36E-08
1945	494661.06, 3859351.99	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1946	494711.06, 3859351.99	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1947	494761.06, 3859351.99	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
1948	494811.06, 3859351.99	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.03E-08	1.46E-08	1.40E-04	4.40E-08	1.28E-08
1949	494861.06, 3859351.99	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1950	494911.06, 3859351.99	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1951	494961.06, 3859351.99	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
1952	495011.06, 3859351.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1953	495061.06, 3859351.99	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
1954	495111.06, 3859351.99	1.25E-04	3.93E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
1955	495161.06, 3859351.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
1956	495211.06, 3859351.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
1957	495261.06, 3859351.99	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1958	495311.06, 3859351.99	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
1959	495361.06, 3859351.99	1.21E-04	3.83E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.30E-04	4.11E-08	1.20E-08
1960	495411.06, 3859351.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1961	495461.06, 3859351.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1962	495511.06, 3859351.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.62E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
1963	495561.06, 3859351.99	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
1964	495611.06, 3859351.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.26E-04	3.99E-08	1.16E-08
1965	495661.06, 3859351.99	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1966	494311.06, 3859401.99	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.94E-08	1.44E-08
1967	494361.06, 3859401.99	1.44E-04	4.55E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
1968	494411.06, 3859401.99	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.51E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1969	494461.06, 3859401.99	1.41E-04	4.45E-08	1.29E-08	1.73E-04	5.45E-08	1.59E-08	1.51E-04	4.78E-08	1.39E-08
1970	494511.06, 3859401.99	1.40E-04	4.42E-08	1.29E-08	1.72E-04	5.42E-08	1.58E-08	1.50E-04	4.75E-08	1.38E-08
1971	494561.06, 3859401.99	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
1972	494611.06, 3859401.99	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
1973	494661.06, 3859401.99	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
1974	494711.06, 3859401.99	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1975	494761.06, 3859401.99	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
1976	494811.06, 3859401.99	1.31E-04	4.15E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
1977	494861.06, 3859401.99	1.29E-04	4.07E-08	1.19E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
1978	494911.06, 3859401.99	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1979	494961.06, 3859401.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
1980	495011.06, 3859401.99	1.26E-04	3.98E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.35E-04	4.28E-08	1.24E-08

1981	495061.06, 3859401.99	1.26E-04	3.97E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.26E-08	1.24E-08
1982	495111.06, 3859401.99	1.25E-04	3.93E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
1983	495161.06, 3859401.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
1984	495211.06, 3859401.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
1985	495261.06, 3859401.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.21E-08
1986	495311.06, 3859401.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
1987	495361.06, 3859401.99	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
1988	495411.06, 3859401.99	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
1989	495461.06, 3859401.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1990	495511.06, 3859401.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1991	495561.06, 3859401.99	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
1992	495611.06, 3859401.99	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1993	495661.06, 3859401.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1994	494311.06, 3859451.99	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
1995	494361.06, 3859451.99	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.41E-08
1996	494411.06, 3859451.99	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.44E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
1997	494461.06, 3859451.99	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.41E-08	1.57E-08	1.50E-04	4.74E-08	1.38E-08
1998	494511.06, 3859451.99	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.36E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
1999	494561.06, 3859451.99	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
2000	494611.06, 3859451.99	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
2001	494661.06, 3859451.99	1.36E-04	4.28E-08	1.24E-08	1.66E-04	5.24E-08	1.52E-08	1.45E-04	4.59E-08	1.34E-08
2002	494711.06, 3859451.99	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
2003	494761.06, 3859451.99	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.14E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
2004	494811.06, 3859451.99	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
2005	494861.06, 3859451.99	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
2006	494911.06, 3859451.99	1.29E-04	4.06E-08	1.18E-08	1.57E-04	4.97E-08	1.45E-08	1.38E-04	4.35E-08	1.27E-08
2007	494961.06, 3859451.99	1.28E-04	4.03E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2008	495011.06, 3859451.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2009	495061.06, 3859451.99	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2010	495111.06, 3859451.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2011	495161.06, 3859451.99	1.25E-04	3.93E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2012	495211.06, 3859451.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2013	495261.06, 3859451.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2014	495311.06, 3859451.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2015	495361.06, 3859451.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
2016	495411.06, 3859451.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
2017	495461.06, 3859451.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
2018	495511.06, 3859451.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2019	495561.06, 3859451.99	1.19E-04	3.75E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2020	495611.06, 3859451.99	1.18E-04	3.72E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
2021	495661.06, 3859451.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2022	494311.06, 3859501.99	1.42E-04	4.50E-08	1.31E-08	1.74E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
2023	494361.06, 3859501.99	1.41E-04	4.45E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.51E-04	4.78E-08	1.39E-08
2024	494411.06, 3859501.99	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
2025	494461.06, 3859501.99	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.36E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
2026	494511.06, 3859501.99	1.37E-04	4.34E-08	1.26E-08	1.68E-04	5.31E-08	1.55E-08	1.47E-04	4.66E-08	1.35E-08
2027	494561.06, 3859501.99	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.27E-08	1.53E-08	1.46E-04	4.62E-08	1.34E-08
2028	494611.06, 3859501.99	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
2029	494661.06, 3859501.99	1.35E-04	4.25E-08	1.24E-08	1.65E-04	5.21E-08	1.51E-08	1.45E-04	4.56E-08	1.33E-08
2030	494711.06, 3859501.99	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
2031	494761.06, 3859501.99	1.32E-04	4.18E-08	1.22E-08	1.62E-04	5.12E-08	1.49E-08	1.42E-04	4.49E-08	1.31E-08
2032	494811.06, 3859501.99	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
2033	494861.06, 3859501.99	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
2034	494911.06, 3859501.99	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
2035	494961.06, 3859501.99	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.31E-08	1.26E-08
2036	495011.06, 3859501.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.29E-08	1.25E-08
2037	495061.06, 3859501.99	1.26E-04	3.98E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2038	495111.06, 3859501.99	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.23E-08	1.23E-08
2039	495161.06, 3859501.99	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2040	495211.06, 3859501.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2041	495261.06, 3859501.99	1.24E-04	3.90E-08	1.13E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
2042	495311.06, 3859501.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2043	495361.06, 3859501.99	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.74E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
2044	495411.06, 3859501.99	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08

2045	495461.06, 3859501.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
2046	495511.06, 3859501.99	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
2047	495561.06, 3859501.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
2048	495611.06, 3859501.99	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2049	495661.06, 3859501.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2050	494311.06, 3859551.99	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.44E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
2051	494361.06, 3859551.99	1.39E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.72E-08	1.37E-08
2052	494411.06, 3859551.99	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
2053	494461.06, 3859551.99	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
2054	494511.06, 3859551.99	1.36E-04	4.29E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
2055	494561.06, 3859551.99	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.22E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
2056	494611.06, 3859551.99	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.56E-08	1.32E-08
2057	494661.06, 3859551.99	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.16E-08	1.50E-08	1.43E-04	4.53E-08	1.32E-08
2058	494711.06, 3859551.99	1.31E-04	4.14E-08	1.21E-08	1.61E-04	5.07E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
2059	494761.06, 3859551.99	1.31E-04	4.15E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.30E-08
2060	494811.06, 3859551.99	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
2061	494861.06, 3859551.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
2062	494911.06, 3859551.99	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2063	494961.06, 3859551.99	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.36E-04	4.31E-08	1.25E-08
2064	495011.06, 3859551.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
2065	495061.06, 3859551.99	1.26E-04	3.97E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.26E-08	1.24E-08
2066	495111.06, 3859551.99	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2067	495161.06, 3859551.99	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.21E-08	1.23E-08
2068	495211.06, 3859551.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.20E-08	1.22E-08
2069	495261.06, 3859551.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.21E-08
2070	495311.06, 3859551.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
2071	495361.06, 3859551.99	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
2072	495411.06, 3859551.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2073	495461.06, 3859551.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.08E-08	1.19E-08
2074	495511.06, 3859551.99	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
2075	495561.06, 3859551.99	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.34E-08	1.27E-04	4.02E-08	1.17E-08
2076	495611.06, 3859551.99	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
2077	495661.06, 3859551.99	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2078	494311.06, 3859601.99	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
2079	494361.06, 3859601.99	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
2080	494411.06, 3859601.99	1.36E-04	4.29E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
2081	494461.06, 3859601.99	1.36E-04	4.28E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.60E-08	1.34E-08
2082	494511.06, 3859601.99	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
2083	494561.06, 3859601.99	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.54E-08	1.32E-08
2084	494611.06, 3859601.99	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
2085	494661.06, 3859601.99	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
2086	494711.06, 3859601.99	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.41E-08	1.28E-08
2087	494761.06, 3859601.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
2088	494811.06, 3859601.99	1.29E-04	4.08E-08	1.19E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
2089	494861.06, 3859601.99	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.35E-08	1.26E-08
2090	494911.06, 3859601.99	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2091	494961.06, 3859601.99	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2092	495011.06, 3859601.99	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
2093	495061.06, 3859601.99	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
2094	495111.06, 3859601.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.33E-04	4.21E-08	1.23E-08
2095	495161.06, 3859601.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2096	495211.06, 3859601.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
2097	495261.06, 3859601.99	1.23E-04	3.88E-08	1.13E-08	1.50E-04	4.75E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
2098	495311.06, 3859601.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.14E-08	1.21E-08
2099	495361.06, 3859601.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2100	495411.06, 3859601.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
2101	495461.06, 3859601.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2102	495511.06, 3859601.99	1.19E-04	3.75E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2103	495561.06, 3859601.99	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2104	495611.06, 3859601.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2105	495661.06, 3859601.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2106	494311.06, 3859651.99	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
2107	494361.06, 3859651.99	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.59E-08	1.33E-08
2108	494411.06, 3859651.99	1.35E-04	4.25E-08	1.24E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.56E-08	1.33E-08

2109	494461.06, 3859651.99	1.34E-04	4.24E-08	1.23E-08	1.64E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
2110	494511.06, 3859651.99	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
2111	494561.06, 3859651.99	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.42E-04	4.50E-08	1.31E-08
2112	494611.06, 3859651.99	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
2113	494661.06, 3859651.99	1.30E-04	4.12E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.42E-08	1.28E-08
2114	494711.06, 3859651.99	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
2115	494761.06, 3859651.99	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
2116	494811.06, 3859651.99	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.38E-04	4.34E-08	1.26E-08
2117	494861.06, 3859651.99	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
2118	494911.06, 3859651.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.29E-08	1.25E-08
2119	494961.06, 3859651.99	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2120	495011.06, 3859651.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2121	495061.06, 3859651.99	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2122	495111.06, 3859651.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2123	495161.06, 3859651.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
2124	495211.06, 3859651.99	1.23E-04	3.88E-08	1.13E-08	1.50E-04	4.75E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
2125	495261.06, 3859651.99	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2126	495311.06, 3859651.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.30E-04	4.12E-08	1.20E-08
2127	495361.06, 3859651.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
2128	495411.06, 3859651.99	1.20E-04	3.80E-08	1.11E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
2129	495461.06, 3859651.99	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.18E-08
2130	495511.06, 3859651.99	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2131	495561.06, 3859651.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	3.99E-08	1.16E-08
2132	495611.06, 3859651.99	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2133	495661.06, 3859651.99	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2134	494311.06, 3859701.99	1.34E-04	4.24E-08	1.23E-08	1.64E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
2135	494361.06, 3859701.99	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
2136	494411.06, 3859701.99	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
2137	494461.06, 3859701.99	1.33E-04	4.19E-08	1.22E-08	1.62E-04	5.13E-08	1.49E-08	1.42E-04	4.49E-08	1.31E-08
2138	494511.06, 3859701.99	1.32E-04	4.16E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
2139	494561.06, 3859701.99	1.31E-04	4.14E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
2140	494611.06, 3859701.99	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
2141	494661.06, 3859701.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
2142	494711.06, 3859701.99	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
2143	494761.06, 3859701.99	1.28E-04	4.03E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2144	494811.06, 3859701.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2145	494861.06, 3859701.99	1.27E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
2146	494911.06, 3859701.99	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
2147	494961.06, 3859701.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2148	495011.06, 3859701.99	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2149	495061.06, 3859701.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2150	495111.06, 3859701.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2151	495161.06, 3859701.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
2152	495211.06, 3859701.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2153	495261.06, 3859701.99	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
2154	495311.06, 3859701.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
2155	495361.06, 3859701.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
2156	495411.06, 3859701.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
2157	495461.06, 3859701.99	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2158	495511.06, 3859701.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2159	495561.06, 3859701.99	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2160	495611.06, 3859701.99	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2161	495661.06, 3859701.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2162	494311.06, 3859751.99	1.33E-04	4.19E-08	1.22E-08	1.62E-04	5.13E-08	1.49E-08	1.42E-04	4.49E-08	1.31E-08
2163	494361.06, 3859751.99	1.32E-04	4.16E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
2164	494411.06, 3859751.99	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
2165	494461.06, 3859751.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
2166	494511.06, 3859751.99	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.42E-08	1.28E-08
2167	494561.06, 3859751.99	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
2168	494611.06, 3859751.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
2169	494661.06, 3859751.99	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2170	494711.06, 3859751.99	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.31E-08	1.25E-08
2171	494761.06, 3859751.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2172	494811.06, 3859751.99	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08

2173	494861.06, 3859751.99	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
2174	494911.06, 3859751.99	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2175	494961.06, 3859751.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2176	495011.06, 3859751.99	1.23E-04	3.90E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.33E-04	4.18E-08	1.22E-08
2177	495061.06, 3859751.99	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.75E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2178	495111.06, 3859751.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.14E-08	1.21E-08
2179	495161.06, 3859751.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2180	495211.06, 3859751.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
2181	495261.06, 3859751.99	1.20E-04	3.80E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
2182	495311.06, 3859751.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
2183	495361.06, 3859751.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2184	495411.06, 3859751.99	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2185	495461.06, 3859751.99	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2186	495511.06, 3859751.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2187	495561.06, 3859751.99	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
2188	495611.06, 3859751.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2189	495661.06, 3859751.99	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
2190	494311.06, 3859801.99	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
2191	494361.06, 3859801.99	1.30E-04	4.11E-08	1.19E-08	1.59E-04	5.03E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
2192	494411.06, 3859801.99	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
2193	494461.06, 3859801.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
2194	494511.06, 3859801.99	1.29E-04	4.06E-08	1.18E-08	1.57E-04	4.97E-08	1.45E-08	1.38E-04	4.35E-08	1.27E-08
2195	494561.06, 3859801.99	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2196	494611.06, 3859801.99	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2197	494661.06, 3859801.99	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
2198	494711.06, 3859801.99	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
2199	494761.06, 3859801.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2200	494811.06, 3859801.99	1.25E-04	3.93E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2201	494861.06, 3859801.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2202	494911.06, 3859801.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
2203	494961.06, 3859801.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
2204	495011.06, 3859801.99	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2205	495061.06, 3859801.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2206	495111.06, 3859801.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
2207	495161.06, 3859801.99	1.20E-04	3.80E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.19E-08
2208	495211.06, 3859801.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2209	495261.06, 3859801.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2210	495311.06, 3859801.99	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2211	495361.06, 3859801.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	3.99E-08	1.16E-08
2212	495411.06, 3859801.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2213	495461.06, 3859801.99	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2214	495511.06, 3859801.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2215	495561.06, 3859801.99	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
2216	495611.06, 3859801.99	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2217	495661.06, 3859801.99	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.23E-04	3.87E-08	1.12E-08
2218	494311.06, 3859851.99	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
2219	494361.06, 3859851.99	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.34E-08	1.26E-08
2220	494411.06, 3859851.99	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
2221	494461.06, 3859851.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2222	494511.06, 3859851.99	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
2223	494561.06, 3859851.99	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2224	494611.06, 3859851.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2225	494661.06, 3859851.99	1.25E-04	3.94E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2226	494711.06, 3859851.99	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2227	494761.06, 3859851.99	1.24E-04	3.90E-08	1.13E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
2228	494811.06, 3859851.99	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.75E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2229	494861.06, 3859851.99	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
2230	494911.06, 3859851.99	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
2231	494961.06, 3859851.99	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
2232	495011.06, 3859851.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
2233	495061.06, 3859851.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
2234	495111.06, 3859851.99	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
2235	495161.06, 3859851.99	1.19E-04	3.75E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2236	495211.06, 3859851.99	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08

2237	495261.06, 3859851.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
2238	495311.06, 3859851.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2239	495361.06, 3859851.99	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2240	495411.06, 3859851.99	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.93E-08	1.14E-08
2241	495461.06, 3859851.99	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2242	495511.06, 3859851.99	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2243	495561.06, 3859851.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.87E-08	1.13E-08
2244	495611.06, 3859851.99	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2245	495661.06, 3859851.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2246	494311.06, 3859901.99	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2247	494361.06, 3859901.99	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2248	494411.06, 3859901.99	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
2249	494461.06, 3859901.99	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.23E-08	1.23E-08
2250	494511.06, 3859901.99	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2251	494561.06, 3859901.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2252	494611.06, 3859901.99	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
2253	494661.06, 3859901.99	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.75E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2254	494711.06, 3859901.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2255	494761.06, 3859901.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2256	494811.06, 3859901.99	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
2257	494861.06, 3859901.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
2258	494911.06, 3859901.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
2259	494961.06, 3859901.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2260	495011.06, 3859901.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
2261	495061.06, 3859901.99	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2262	495111.06, 3859901.99	1.18E-04	3.72E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
2263	495161.06, 3859901.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2264	495211.06, 3859901.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2265	495261.06, 3859901.99	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2266	495311.06, 3859901.99	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2267	495361.06, 3859901.99	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2268	495411.06, 3859901.99	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2269	495461.06, 3859901.99	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.87E-08	1.12E-08
2270	495511.06, 3859901.99	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
2271	495561.06, 3859901.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.12E-08
2272	495611.06, 3859901.99	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
2273	495661.06, 3859901.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2274	494311.06, 3859951.99	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2275	494361.06, 3859951.99	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2276	494411.06, 3859951.99	1.24E-04	3.90E-08	1.13E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
2277	494461.06, 3859951.99	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2278	494511.06, 3859951.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
2279	494561.06, 3859951.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2280	494611.06, 3859951.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.30E-04	4.12E-08	1.20E-08
2281	494661.06, 3859951.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
2282	494711.06, 3859951.99	1.20E-04	3.80E-08	1.11E-08	1.48E-04	4.66E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
2283	494761.06, 3859951.99	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
2284	494811.06, 3859951.99	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
2285	494861.06, 3859951.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2286	494911.06, 3859951.99	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2287	494961.06, 3859951.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
2288	495011.06, 3859951.99	1.17E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2289	495061.06, 3859951.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2290	495111.06, 3859951.99	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2291	495161.06, 3859951.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2292	495211.06, 3859951.99	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.45E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
2293	495261.06, 3859951.99	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.43E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2294	495311.06, 3859951.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.87E-08	1.13E-08
2295	495361.06, 3859951.99	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2296	495411.06, 3859951.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
2297	495461.06, 3859951.99	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2298	495511.06, 3859951.99	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
2299	495561.06, 3859951.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2300	495611.06, 3859951.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08

2301	495661.06, 3859951.99	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
2302	494311.06, 3860001.99	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
2303	494361.06, 3860001.99	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2304	494411.06, 3860001.99	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2305	494461.06, 3860001.99	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
2306	494511.06, 3860001.99	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
2307	494561.06, 3860001.99	1.20E-04	3.80E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
2308	494611.06, 3860001.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2309	494661.06, 3860001.99	1.19E-04	3.76E-08	1.10E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.18E-08
2310	494711.06, 3860001.99	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2311	494761.06, 3860001.99	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.16E-08
2312	494811.06, 3860001.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
2313	494861.06, 3860001.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2314	494911.06, 3860001.99	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2315	494961.06, 3860001.99	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
2316	495011.06, 3860001.99	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2317	495061.06, 3860001.99	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.45E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
2318	495111.06, 3860001.99	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2319	495161.06, 3860001.99	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.23E-04	3.87E-08	1.12E-08
2320	495211.06, 3860001.99	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
2321	495261.06, 3860001.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
2322	495311.06, 3860001.99	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2323	495361.06, 3860001.99	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
2324	495411.06, 3860001.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2325	495461.06, 3860001.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2326	495511.06, 3860001.99	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
2327	495561.06, 3860001.99	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
2328	495611.06, 3860001.99	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2329	495661.06, 3860001.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
2330	494411.06, 3860051.99	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
2331	494461.06, 3860051.99	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
2332	494511.06, 3860051.99	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2333	494561.06, 3860051.99	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2334	494611.06, 3860051.99	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
2335	494661.06, 3860051.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2336	494711.06, 3860051.99	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2337	494761.06, 3860051.99	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2338	494811.06, 3860051.99	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
2339	494861.06, 3860051.99	1.16E-04	3.65E-08	1.06E-08	1.41E-04	4.47E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2340	494911.06, 3860051.99	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.23E-04	3.90E-08	1.13E-08
2341	494961.06, 3860051.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2342	495011.06, 3860051.99	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2343	495061.06, 3860051.99	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.84E-08	1.12E-08
2344	495111.06, 3860051.99	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2345	495161.06, 3860051.99	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
2346	495211.06, 3860051.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2347	495261.06, 3860051.99	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2348	495311.06, 3860051.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
2349	495361.06, 3860051.99	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
2350	495411.06, 3860051.99	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
2351	495461.06, 3860051.99	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
2352	495511.06, 3860051.99	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
2353	495561.06, 3860051.99	1.09E-04	3.44E-08	9.99E-09	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
2354	495611.06, 3860051.99	1.08E-04	3.42E-08	9.95E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
2355	495661.06, 3860051.99	1.08E-04	3.41E-08	9.91E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
2356	494411.06, 3860101.99	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2357	494461.06, 3860101.99	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2358	494511.06, 3860101.99	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2359	494561.06, 3860101.99	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2360	494611.06, 3860101.99	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
2361	494661.06, 3860101.99	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2362	494711.06, 3860101.99	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2363	494761.06, 3860101.99	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2364	494811.06, 3860101.99	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08

2365	494861.06, 3860101.99	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
2366	494911.06, 3860101.99	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2367	494961.06, 3860101.99	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2368	495011.06, 3860101.99	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
2369	495061.06, 3860101.99	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2370	495111.06, 3860101.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2371	495161.06, 3860101.99	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
2372	495211.06, 3860101.99	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
2373	495261.06, 3860101.99	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2374	495311.06, 3860101.99	1.09E-04	3.46E-08	1.01E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2375	495361.06, 3860101.99	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.69E-08	1.07E-08
2376	495411.06, 3860101.99	1.09E-04	3.43E-08	9.97E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
2377	495461.06, 3860101.99	1.08E-04	3.41E-08	9.93E-09	1.32E-04	4.18E-08	1.22E-08	1.16E-04	3.66E-08	1.07E-08
2378	495511.06, 3860101.99	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
2379	495561.06, 3860101.99	1.07E-04	3.39E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
2380	495611.06, 3860101.99	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
2381	495661.06, 3860101.99	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.11E-08	1.20E-08	1.14E-04	3.60E-08	1.05E-08
2382	494861.06, 3860151.99	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.78E-08	1.10E-08
2383	494911.06, 3860151.99	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2384	494961.06, 3860151.99	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
2385	495011.06, 3860151.99	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2386	495061.06, 3860151.99	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
2387	495111.06, 3860151.99	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2388	495161.06, 3860151.99	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
2389	495211.06, 3860151.99	1.09E-04	3.43E-08	9.98E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
2390	495261.06, 3860151.99	1.08E-04	3.42E-08	9.94E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
2391	495311.06, 3860151.99	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
2392	495361.06, 3860151.99	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
2393	495411.06, 3860151.99	1.07E-04	3.38E-08	9.82E-09	1.31E-04	4.14E-08	1.20E-08	1.15E-04	3.63E-08	1.05E-08
2394	495461.06, 3860151.99	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2395	495511.06, 3860151.99	1.06E-04	3.35E-08	9.75E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
2396	495561.06, 3860151.99	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.58E-08	1.04E-08
2397	495611.06, 3860151.99	1.05E-04	3.32E-08	9.67E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
2398	495661.06, 3860151.99	1.05E-04	3.31E-08	9.63E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
2399	495718.25, 3859442.96	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.93E-08	1.14E-08
2400	495818.25, 3859442.96	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.23E-04	3.87E-08	1.13E-08
2401	495918.25, 3859442.96	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2402	496018.25, 3859442.96	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2403	496118.25, 3859442.96	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2404	496218.25, 3859442.96	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
2405	496318.25, 3859442.96	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
2406	496418.25, 3859442.96	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2407	495718.25, 3859542.96	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2408	495818.25, 3859542.96	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2409	495918.25, 3859542.96	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
2410	496018.25, 3859542.96	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2411	496118.25, 3859542.96	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
2412	496218.25, 3859542.96	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2413	496318.25, 3859542.96	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2414	496418.25, 3859542.96	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2415	495718.25, 3859642.96	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2416	495818.25, 3859642.96	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2417	495918.25, 3859642.96	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2418	496018.25, 3859642.96	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2419	496118.25, 3859642.96	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2420	496218.25, 3859642.96	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2421	496318.25, 3859642.96	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2422	496418.25, 3859642.96	1.07E-04	3.38E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.63E-08	1.06E-08
2423	495718.25, 3859742.96	1.15E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2424	495818.25, 3859742.96	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2425	495918.25, 3859742.96	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2426	496018.25, 3859742.96	1.11E-04	3.49E-08	1.02E-08	1.35E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
2427	496118.25, 3859742.96	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2428	496218.25, 3859742.96	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08

2429	496318.25, 3859742.96	1.08E-04	3.41E-08	9.93E-09	1.32E-04	4.18E-08	1.22E-08	1.16E-04	3.66E-08	1.07E-08
2430	496418.25, 3859742.96	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
2431	495718.25, 3859842.96	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2432	495818.25, 3859842.96	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2433	495918.25, 3859842.96	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2434	496018.25, 3859842.96	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2435	496118.25, 3859842.96	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2436	496218.25, 3859842.96	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
2437	496318.25, 3859842.96	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.52E-08	1.02E-08
2438	496418.25, 3859842.96	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.94E-09
2439	495718.25, 3859942.96	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
2440	495818.25, 3859942.96	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
2441	495918.25, 3859942.96	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
2442	496018.25, 3859942.96	1.08E-04	3.41E-08	9.91E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
2443	496118.25, 3859942.96	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2444	496218.25, 3859942.96	1.04E-04	3.30E-08	9.59E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
2445	496318.25, 3859942.96	1.02E-04	3.22E-08	9.36E-09	1.25E-04	3.94E-08	1.15E-08	1.09E-04	3.46E-08	1.00E-08
2446	496418.25, 3859942.96	9.82E-05	3.10E-08	9.01E-09	1.20E-04	3.80E-08	1.10E-08	1.05E-04	3.33E-08	9.68E-09
2447	496856.82, 3858864.83	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
2448	496956.82, 3858864.83	9.63E-05	3.04E-08	8.85E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
2449	497056.82, 3858864.83	9.50E-05	3.00E-08	8.72E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.22E-08	9.36E-09
2450	497156.82, 3858864.83	9.33E-05	2.94E-08	8.56E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.19E-09
2451	497256.82, 3858864.83	9.28E-05	2.93E-08	8.52E-09	1.14E-04	3.59E-08	1.04E-08	9.96E-05	3.14E-08	9.14E-09
2452	496856.82, 3858964.83	9.98E-05	3.15E-08	9.16E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.83E-09
2453	496956.82, 3858964.83	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
2454	497056.82, 3858964.83	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.48E-09
2455	497156.82, 3858964.83	9.46E-05	2.99E-08	8.69E-09	1.16E-04	3.66E-08	1.06E-08	1.02E-04	3.21E-08	9.32E-09
2456	497256.82, 3858964.83	9.54E-05	3.01E-08	8.76E-09	1.17E-04	3.69E-08	1.07E-08	1.02E-04	3.23E-08	9.40E-09
2457	496856.82, 3859064.83	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
2458	496956.82, 3859064.83	9.86E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.71E-09
2459	497056.82, 3859064.83	9.73E-05	3.07E-08	8.93E-09	1.19E-04	3.76E-08	1.09E-08	1.04E-04	3.30E-08	9.58E-09
2460	497156.82, 3859064.83	9.61E-05	3.03E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.47E-09
2461	497256.82, 3859064.83	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
2462	496856.82, 3859164.83	9.95E-05	3.14E-08	9.14E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.37E-08	9.81E-09
2463	496956.82, 3859164.83	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
2464	497056.82, 3859164.83	9.72E-05	3.07E-08	8.92E-09	1.19E-04	3.76E-08	1.09E-08	1.04E-04	3.29E-08	9.57E-09
2465	497156.82, 3859164.83	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
2466	497256.82, 3859164.83	9.95E-05	3.14E-08	9.14E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.37E-08	9.81E-09
2467	496856.82, 3859264.83	9.82E-05	3.10E-08	9.01E-09	1.20E-04	3.79E-08	1.10E-08	1.05E-04	3.32E-08	9.67E-09
2468	496956.82, 3859264.83	9.79E-05	3.09E-08	8.99E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.65E-09
2469	497056.82, 3859264.83	9.85E-05	3.11E-08	9.04E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.71E-09
2470	497156.82, 3859264.83	9.89E-05	3.12E-08	9.08E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
2471	497256.82, 3859264.83	1.00E-04	3.17E-08	9.21E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
2472	497088.92, 3858620.93	8.94E-05	2.82E-08	8.21E-09	1.09E-04	3.46E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
2473	497138.92, 3858620.93	8.93E-05	2.82E-08	8.19E-09	1.09E-04	3.45E-08	1.00E-08	9.58E-05	3.02E-08	8.80E-09
2474	497188.92, 3858620.93	8.85E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.95E-09	9.50E-05	3.00E-08	8.72E-09
2475	497238.92, 3858620.93	8.81E-05	2.78E-08	8.09E-09	1.08E-04	3.40E-08	9.90E-09	9.46E-05	2.98E-08	8.68E-09
2476	497088.92, 3858670.93	8.94E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
2477	497138.92, 3858670.93	8.97E-05	2.83E-08	8.24E-09	1.10E-04	3.47E-08	1.01E-08	9.63E-05	3.04E-08	8.84E-09
2478	497188.92, 3858670.93	8.89E-05	2.81E-08	8.16E-09	1.09E-04	3.44E-08	1.00E-08	9.55E-05	3.01E-08	8.76E-09
2479	497238.92, 3858670.93	8.88E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.53E-05	3.01E-08	8.75E-09
2480	497088.92, 3858720.93	9.13E-05	2.88E-08	8.38E-09	1.12E-04	3.53E-08	1.03E-08	9.80E-05	3.09E-08	8.99E-09
2481	497138.92, 3858720.93	8.91E-05	2.81E-08	8.18E-09	1.09E-04	3.44E-08	1.00E-08	9.56E-05	3.02E-08	8.78E-09
2482	497188.92, 3858720.93	8.86E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.96E-09	9.51E-05	3.00E-08	8.73E-09
2483	497238.92, 3858720.93	8.97E-05	2.83E-08	8.24E-09	1.10E-04	3.47E-08	1.01E-08	9.63E-05	3.04E-08	8.84E-09
2484	497088.92, 3858770.93	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.55E-08	1.03E-08	9.85E-05	3.11E-08	9.04E-09
2485	497138.92, 3858770.93	9.08E-05	2.87E-08	8.34E-09	1.11E-04	3.51E-08	1.02E-08	9.75E-05	3.08E-08	8.95E-09
2486	497188.92, 3858770.93	9.02E-05	2.85E-08	8.28E-09	1.10E-04	3.49E-08	1.01E-08	9.68E-05	3.06E-08	8.89E-09
2487	497238.92, 3858770.93	9.07E-05	2.86E-08	8.33E-09	1.11E-04	3.51E-08	1.02E-08	9.74E-05	3.07E-08	8.94E-09
2488	497396.65, 3858622.63	9.15E-05	2.89E-08	8.40E-09	1.12E-04	3.54E-08	1.03E-08	9.82E-05	3.10E-08	9.02E-09
2489	497496.65, 3858622.63	9.33E-05	2.95E-08	8.57E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
2490	497596.65, 3858622.63	9.68E-05	3.06E-08	8.89E-09	1.19E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.54E-09
2491	497696.65, 3858622.63	9.76E-05	3.08E-08	8.96E-09	1.20E-04	3.77E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
2492	497796.65, 3858622.63	9.96E-05	3.14E-08	9.14E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.37E-08	9.82E-09

2493	497896.65, 3858622.63	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
2494	497396.65, 3858722.63	9.37E-05	2.96E-08	8.60E-09	1.15E-04	3.62E-08	1.05E-08	1.01E-04	3.17E-08	9.23E-09
2495	497496.65, 3858722.63	9.55E-05	3.01E-08	8.77E-09	1.17E-04	3.69E-08	1.07E-08	1.03E-04	3.24E-08	9.41E-09
2496	497596.65, 3858722.63	9.86E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.72E-09
2497	497696.65, 3858722.63	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
2498	497796.65, 3858722.63	1.01E-04	3.19E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.95E-09
2499	497896.65, 3858722.63	1.02E-04	3.22E-08	9.38E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
2500	497396.65, 3858822.63	9.49E-05	2.99E-08	8.71E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.21E-08	9.35E-09
2501	497496.65, 3858822.63	9.63E-05	3.04E-08	8.84E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
2502	497596.65, 3858822.63	9.99E-05	3.15E-08	9.18E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.39E-08	9.85E-09
2503	497696.65, 3858822.63	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.95E-09
2504	497796.65, 3858822.63	1.02E-04	3.21E-08	9.33E-09	1.25E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
2505	497896.65, 3858822.63	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
2506	497396.65, 3858922.63	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.48E-09
2507	497496.65, 3858922.63	9.92E-05	3.13E-08	9.10E-09	1.21E-04	3.83E-08	1.12E-08	1.06E-04	3.36E-08	9.77E-09
2508	497596.65, 3858922.63	9.89E-05	3.12E-08	9.08E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
2509	497696.65, 3858922.63	1.02E-04	3.23E-08	9.38E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
2510	497796.65, 3858922.63	1.04E-04	3.27E-08	9.51E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
2511	497896.65, 3858922.63	1.06E-04	3.35E-08	9.74E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.59E-08	1.05E-08
2512	497364.44, 3858201.52	8.75E-05	2.76E-08	8.04E-09	1.07E-04	3.38E-08	9.84E-09	9.40E-05	2.97E-08	8.63E-09
2513	497414.44, 3858201.52	8.85E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.96E-09	9.51E-05	3.00E-08	8.73E-09
2514	497464.44, 3858201.52	8.94E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
2515	497514.44, 3858201.52	8.97E-05	2.83E-08	8.23E-09	1.10E-04	3.47E-08	1.01E-08	9.63E-05	3.04E-08	8.84E-09
2516	497564.44, 3858201.52	8.93E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.80E-09
2517	497614.44, 3858201.52	8.95E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
2518	497364.44, 3858251.52	8.90E-05	2.81E-08	8.17E-09	1.09E-04	3.44E-08	1.00E-08	9.55E-05	3.01E-08	8.77E-09
2519	497414.44, 3858251.52	9.03E-05	2.85E-08	8.29E-09	1.11E-04	3.49E-08	1.01E-08	9.69E-05	3.06E-08	8.90E-09
2520	497464.44, 3858251.52	8.95E-05	2.83E-08	8.22E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
2521	497514.44, 3858251.52	8.86E-05	2.80E-08	8.13E-09	1.09E-04	3.42E-08	9.96E-09	9.51E-05	3.00E-08	8.73E-09
2522	497564.44, 3858251.52	8.83E-05	2.79E-08	8.11E-09	1.08E-04	3.41E-08	9.93E-09	9.48E-05	2.99E-08	8.70E-09
2523	497614.44, 3858251.52	8.80E-05	2.78E-08	8.08E-09	1.08E-04	3.40E-08	9.90E-09	9.45E-05	2.98E-08	8.68E-09
2524	497364.44, 3858301.52	8.92E-05	2.82E-08	8.19E-09	1.09E-04	3.45E-08	1.00E-08	9.58E-05	3.02E-08	8.80E-09
2525	497414.44, 3858301.52	9.00E-05	2.84E-08	8.26E-09	1.10E-04	3.48E-08	1.01E-08	9.66E-05	3.05E-08	8.87E-09
2526	497464.44, 3858301.52	8.90E-05	2.81E-08	8.17E-09	1.09E-04	3.44E-08	1.00E-08	9.56E-05	3.02E-08	8.77E-09
2527	497514.44, 3858301.52	8.84E-05	2.79E-08	8.11E-09	1.08E-04	3.42E-08	9.94E-09	9.49E-05	2.99E-08	8.71E-09
2528	497564.44, 3858301.52	8.74E-05	2.76E-08	8.02E-09	1.07E-04	3.38E-08	9.82E-09	9.38E-05	2.96E-08	8.61E-09
2529	497614.44, 3858301.52	8.71E-05	2.75E-08	7.99E-09	1.07E-04	3.37E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
2530	497364.44, 3858351.52	8.96E-05	2.83E-08	8.23E-09	1.10E-04	3.47E-08	1.01E-08	9.62E-05	3.04E-08	8.84E-09
2531	497414.44, 3858351.52	8.90E-05	2.81E-08	8.17E-09	1.09E-04	3.44E-08	1.00E-08	9.56E-05	3.02E-08	8.78E-09
2532	497464.44, 3858351.52	8.88E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.53E-05	3.01E-08	8.75E-09
2533	497514.44, 3858351.52	8.83E-05	2.79E-08	8.10E-09	1.08E-04	3.41E-08	9.93E-09	9.48E-05	2.99E-08	8.70E-09
2534	497564.44, 3858351.52	8.71E-05	2.75E-08	7.99E-09	1.07E-04	3.37E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
2535	497614.44, 3858351.52	8.68E-05	2.74E-08	7.97E-09	1.06E-04	3.35E-08	9.76E-09	9.32E-05	2.94E-08	8.55E-09
2536	497364.44, 3858401.52	8.87E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.97E-09	9.52E-05	3.00E-08	8.74E-09
2537	497414.44, 3858401.52	8.86E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.96E-09	9.51E-05	3.00E-08	8.73E-09
2538	497464.44, 3858401.52	8.79E-05	2.77E-08	8.07E-09	1.08E-04	3.40E-08	9.88E-09	9.43E-05	2.98E-08	8.66E-09
2539	497514.44, 3858401.52	8.75E-05	2.76E-08	8.04E-09	1.07E-04	3.38E-08	9.84E-09	9.40E-05	2.97E-08	8.63E-09
2540	497564.44, 3858401.52	8.84E-05	2.79E-08	8.12E-09	1.08E-04	3.42E-08	9.94E-09	9.49E-05	3.00E-08	8.72E-09
2541	497614.44, 3858401.52	8.93E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
2542	493478.11, 3860497.94	1.04E-04	3.27E-08	9.51E-09	1.27E-04	4.01E-08	1.16E-08	1.11E-04	3.51E-08	1.02E-08
2543	493528.11, 3860497.94	1.03E-04	3.27E-08	9.50E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.51E-08	1.02E-08
2544	493478.11, 3860547.94	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.95E-09
2545	493528.11, 3860547.94	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.94E-09
2546	493478.11, 3860597.94	9.85E-05	3.11E-08	9.04E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.70E-09
2547	493528.11, 3860597.94	9.84E-05	3.10E-08	9.03E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.69E-09
2548	493561.88, 3860524.64	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.94E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
2549	493591.88, 3860524.64	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
2550	493561.88, 3860554.64	1.00E-04	3.17E-08	9.23E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.90E-09
2551	493591.88, 3860554.64	1.01E-04	3.17E-08	9.23E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.91E-09
2552	492880.5, 3860293.11	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
2553	492930.5, 3860293.11	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.45E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
2554	492980.5, 3860293.11	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2555	493030.5, 3860293.11	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.25E-04	3.93E-08	1.14E-08
2556	493080.5, 3860293.11	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08

2557	493130.5, 3860293.11	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.30E-08	1.25E-04	3.93E-08	1.14E-08
2558	493180.5, 3860293.11	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2559	493230.5, 3860293.11	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2560	493280.5, 3860293.11	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2561	493330.5, 3860293.11	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2562	493380.5, 3860293.11	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2563	492880.5, 3860343.11	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2564	492930.5, 3860343.11	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2565	492980.5, 3860343.11	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2566	493030.5, 3860343.11	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2567	493080.5, 3860343.11	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
2568	493130.5, 3860343.11	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.12E-08
2569	493180.5, 3860343.11	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2570	493230.5, 3860343.11	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
2571	493280.5, 3860343.11	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2572	493330.5, 3860343.11	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2573	493380.5, 3860343.11	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2574	492880.5, 3860393.11	1.09E-04	3.43E-08	9.97E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
2575	492930.5, 3860393.11	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
2576	492980.5, 3860393.11	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
2577	493030.5, 3860393.11	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2578	493080.5, 3860393.11	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
2579	493130.5, 3860393.11	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
2580	493180.5, 3860393.11	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2581	493230.5, 3860393.11	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2582	493280.5, 3860393.11	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2583	493330.5, 3860393.11	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
2584	493380.5, 3860393.11	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
2585	492880.5, 3860443.11	1.06E-04	3.33E-08	9.70E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
2586	492930.5, 3860443.11	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.58E-08	1.04E-08
2587	492980.5, 3860443.11	1.06E-04	3.35E-08	9.74E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
2588	493030.5, 3860443.11	1.07E-04	3.36E-08	9.78E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2589	493080.5, 3860443.11	1.07E-04	3.37E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2590	493130.5, 3860443.11	1.07E-04	3.37E-08	9.80E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
2591	493180.5, 3860443.11	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.11E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2592	493230.5, 3860443.11	1.07E-04	3.37E-08	9.80E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
2593	493280.5, 3860443.11	1.07E-04	3.38E-08	9.82E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
2594	493330.5, 3860443.11	1.07E-04	3.39E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.63E-08	1.06E-08
2595	493380.5, 3860443.11	1.07E-04	3.38E-08	9.84E-09	1.31E-04	4.14E-08	1.20E-08	1.15E-04	3.63E-08	1.06E-08
2596	493180.5, 3860493.11	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
2597	493230.5, 3860493.11	1.04E-04	3.28E-08	9.54E-09	1.27E-04	4.02E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
2598	493280.5, 3860493.11	1.04E-04	3.29E-08	9.57E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
2599	493330.5, 3860493.11	1.04E-04	3.29E-08	9.58E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
2600	493380.5, 3860493.11	1.04E-04	3.29E-08	9.57E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
2601	493330.5, 3860543.11	1.02E-04	3.21E-08	9.33E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
2602	493380.5, 3860543.11	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
2603	494135.94, 3860876.85	8.59E-05	2.71E-08	7.88E-09	1.05E-04	3.32E-08	9.65E-09	9.22E-05	2.91E-08	8.46E-09
2604	494185.94, 3860876.85	8.59E-05	2.71E-08	7.88E-09	1.05E-04	3.32E-08	9.65E-09	9.22E-05	2.91E-08	8.46E-09
2605	494135.94, 3860926.85	8.38E-05	2.64E-08	7.69E-09	1.03E-04	3.24E-08	9.42E-09	8.99E-05	2.84E-08	8.26E-09
2606	494185.94, 3860926.85	8.39E-05	2.65E-08	7.70E-09	1.03E-04	3.24E-08	9.43E-09	9.00E-05	2.84E-08	8.26E-09
2607	494135.94, 3860976.85	8.18E-05	2.58E-08	7.51E-09	1.00E-04	3.16E-08	9.20E-09	8.78E-05	2.77E-08	8.06E-09
2608	494185.94, 3860976.85	8.19E-05	2.58E-08	7.52E-09	1.00E-04	3.16E-08	9.21E-09	8.79E-05	2.77E-08	8.07E-09
2609	494135.94, 3861026.85	7.98E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.97E-09	8.57E-05	2.70E-08	7.87E-09
2610	494185.94, 3861026.85	7.99E-05	2.52E-08	7.34E-09	9.79E-05	3.09E-08	8.99E-09	8.58E-05	2.71E-08	7.88E-09
2611	494135.94, 3861076.85	7.79E-05	2.46E-08	7.15E-09	9.54E-05	3.01E-08	8.76E-09	8.36E-05	2.64E-08	7.68E-09
2612	494185.94, 3861076.85	7.80E-05	2.46E-08	7.16E-09	9.55E-05	3.01E-08	8.77E-09	8.37E-05	2.64E-08	7.69E-09
2613	490360.04, 3858710.04	4.22E-04	1.33E-07	3.88E-08	5.17E-04	1.63E-07	4.75E-08	4.54E-04	1.43E-07	4.17E-08
2614	490410.04, 3858710.04	4.15E-04	1.31E-07	3.81E-08	5.08E-04	1.60E-07	4.66E-08	4.46E-04	1.41E-07	4.09E-08
2615	490460.04, 3858710.04	4.07E-04	1.29E-07	3.74E-08	4.99E-04	1.57E-07	4.58E-08	4.38E-04	1.38E-07	4.02E-08
2616	490510.04, 3858710.04	4.00E-04	1.26E-07	3.67E-08	4.90E-04	1.55E-07	4.50E-08	4.30E-04	1.36E-07	3.95E-08
2617	490560.04, 3858710.04	3.94E-04	1.24E-07	3.62E-08	4.82E-04	1.52E-07	4.43E-08	4.23E-04	1.34E-07	3.88E-08
2618	490610.04, 3858710.04	3.88E-04	1.22E-07	3.56E-08	4.75E-04	1.50E-07	4.36E-08	4.16E-04	1.31E-07	3.82E-08
2619	490660.04, 3858710.04	3.82E-04	1.21E-07	3.51E-08	4.68E-04	1.48E-07	4.30E-08	4.10E-04	1.30E-07	3.77E-08
2620	490710.04, 3858710.04	3.76E-04	1.19E-07	3.45E-08	4.60E-04	1.45E-07	4.23E-08	4.04E-04	1.27E-07	3.71E-08

2621	490760.04, 3858710.04	3.70E-04	1.17E-07	3.40E-08	4.53E-04	1.43E-07	4.16E-08	3.97E-04	1.25E-07	3.65E-08
2622	490810.04, 3858710.04	3.64E-04	1.15E-07	3.34E-08	4.46E-04	1.41E-07	4.10E-08	3.91E-04	1.23E-07	3.59E-08
2623	490860.04, 3858710.04	3.58E-04	1.13E-07	3.29E-08	4.39E-04	1.38E-07	4.03E-08	3.85E-04	1.21E-07	3.53E-08
2624	490360.04, 3858760.04	4.08E-04	1.29E-07	3.74E-08	4.99E-04	1.58E-07	4.58E-08	4.38E-04	1.38E-07	4.02E-08
2625	490410.04, 3858760.04	4.01E-04	1.26E-07	3.68E-08	4.91E-04	1.55E-07	4.51E-08	4.31E-04	1.36E-07	3.95E-08
2626	490460.04, 3858760.04	3.94E-04	1.24E-07	3.61E-08	4.82E-04	1.52E-07	4.43E-08	4.23E-04	1.33E-07	3.88E-08
2627	490510.04, 3858760.04	3.87E-04	1.22E-07	3.55E-08	4.74E-04	1.49E-07	4.35E-08	4.15E-04	1.31E-07	3.81E-08
2628	490560.04, 3858760.04	3.80E-04	1.20E-07	3.49E-08	4.66E-04	1.47E-07	4.28E-08	4.09E-04	1.29E-07	3.75E-08
2629	490610.04, 3858760.04	3.74E-04	1.18E-07	3.43E-08	4.58E-04	1.45E-07	4.21E-08	4.02E-04	1.27E-07	3.69E-08
2630	490660.04, 3858760.04	3.68E-04	1.16E-07	3.38E-08	4.51E-04	1.42E-07	4.14E-08	3.96E-04	1.25E-07	3.63E-08
2631	490710.04, 3858760.04	3.63E-04	1.14E-07	3.33E-08	4.44E-04	1.40E-07	4.08E-08	3.89E-04	1.23E-07	3.58E-08
2632	490760.04, 3858760.04	3.57E-04	1.13E-07	3.27E-08	4.37E-04	1.38E-07	4.01E-08	3.83E-04	1.21E-07	3.52E-08
2633	490810.04, 3858760.04	3.51E-04	1.11E-07	3.22E-08	4.30E-04	1.36E-07	3.95E-08	3.77E-04	1.19E-07	3.46E-08
2634	490860.04, 3858760.04	3.46E-04	1.09E-07	3.18E-08	4.24E-04	1.34E-07	3.89E-08	3.72E-04	1.17E-07	3.41E-08
2635	490360.04, 3858810.04	3.92E-04	1.24E-07	3.60E-08	4.81E-04	1.52E-07	4.41E-08	4.22E-04	1.33E-07	3.87E-08
2636	490410.04, 3858810.04	3.86E-04	1.22E-07	3.54E-08	4.72E-04	1.49E-07	4.34E-08	4.14E-04	1.31E-07	3.80E-08
2637	490460.04, 3858810.04	3.79E-04	1.20E-07	3.48E-08	4.64E-04	1.46E-07	4.26E-08	4.07E-04	1.29E-07	3.74E-08
2638	490510.04, 3858810.04	3.73E-04	1.18E-07	3.42E-08	4.57E-04	1.44E-07	4.19E-08	4.01E-04	1.26E-07	3.68E-08
2639	490560.04, 3858810.04	3.67E-04	1.16E-07	3.37E-08	4.50E-04	1.42E-07	4.13E-08	3.94E-04	1.24E-07	3.62E-08
2640	490610.04, 3858810.04	3.61E-04	1.14E-07	3.31E-08	4.42E-04	1.39E-07	4.06E-08	3.88E-04	1.22E-07	3.56E-08
2641	490660.04, 3858810.04	3.55E-04	1.12E-07	3.26E-08	4.35E-04	1.37E-07	3.99E-08	3.81E-04	1.20E-07	3.50E-08
2642	490710.04, 3858810.04	3.49E-04	1.10E-07	3.21E-08	4.28E-04	1.35E-07	3.93E-08	3.75E-04	1.18E-07	3.45E-08
2643	490760.04, 3858810.04	3.43E-04	1.08E-07	3.15E-08	4.20E-04	1.33E-07	3.86E-08	3.69E-04	1.16E-07	3.38E-08
2644	490810.04, 3858810.04	3.39E-04	1.07E-07	3.11E-08	4.15E-04	1.31E-07	3.81E-08	3.64E-04	1.15E-07	3.34E-08
2645	490860.04, 3858810.04	3.33E-04	1.05E-07	3.06E-08	4.08E-04	1.29E-07	3.75E-08	3.58E-04	1.13E-07	3.29E-08
2646	490360.04, 3858860.04	3.76E-04	1.19E-07	3.45E-08	4.61E-04	1.45E-07	4.23E-08	4.04E-04	1.28E-07	3.71E-08
2647	490410.04, 3858860.04	3.70E-04	1.17E-07	3.40E-08	4.54E-04	1.43E-07	4.16E-08	3.98E-04	1.26E-07	3.65E-08
2648	490460.04, 3858860.04	3.64E-04	1.15E-07	3.34E-08	4.46E-04	1.41E-07	4.09E-08	3.91E-04	1.23E-07	3.59E-08
2649	490510.04, 3858860.04	3.59E-04	1.13E-07	3.29E-08	4.40E-04	1.39E-07	4.04E-08	3.86E-04	1.22E-07	3.54E-08
2650	490560.04, 3858860.04	3.53E-04	1.11E-07	3.24E-08	4.33E-04	1.37E-07	3.97E-08	3.79E-04	1.20E-07	3.48E-08
2651	490610.04, 3858860.04	3.47E-04	1.09E-07	3.18E-08	4.25E-04	1.34E-07	3.90E-08	3.73E-04	1.18E-07	3.42E-08
2652	490660.04, 3858860.04	3.42E-04	1.08E-07	3.14E-08	4.18E-04	1.32E-07	3.84E-08	3.67E-04	1.16E-07	3.37E-08
2653	490710.04, 3858860.04	3.37E-04	1.06E-07	3.09E-08	4.13E-04	1.30E-07	3.79E-08	3.62E-04	1.14E-07	3.32E-08
2654	490760.04, 3858860.04	3.31E-04	1.05E-07	3.04E-08	4.06E-04	1.28E-07	3.72E-08	3.56E-04	1.12E-07	3.27E-08
2655	490810.04, 3858860.04	3.26E-04	1.03E-07	2.99E-08	3.99E-04	1.26E-07	3.66E-08	3.50E-04	1.10E-07	3.21E-08
2656	490860.04, 3858860.04	3.21E-04	1.01E-07	2.94E-08	3.93E-04	1.24E-07	3.60E-08	3.44E-04	1.09E-07	3.16E-08
2657	490360.04, 3858910.04	3.61E-04	1.14E-07	3.31E-08	4.42E-04	1.39E-07	4.06E-08	3.88E-04	1.22E-07	3.56E-08
2658	490410.04, 3858910.04	3.55E-04	1.12E-07	3.26E-08	4.35E-04	1.37E-07	3.99E-08	3.82E-04	1.20E-07	3.50E-08
2659	490460.04, 3858910.04	3.50E-04	1.10E-07	3.21E-08	4.28E-04	1.35E-07	3.93E-08	3.76E-04	1.19E-07	3.45E-08
2660	490510.04, 3858910.04	3.44E-04	1.09E-07	3.16E-08	4.22E-04	1.33E-07	3.87E-08	3.70E-04	1.17E-07	3.40E-08
2661	490560.04, 3858910.04	3.39E-04	1.07E-07	3.11E-08	4.15E-04	1.31E-07	3.81E-08	3.64E-04	1.15E-07	3.34E-08
2662	490610.04, 3858910.04	3.33E-04	1.05E-07	3.06E-08	4.08E-04	1.29E-07	3.75E-08	3.58E-04	1.13E-07	3.29E-08
2663	490660.04, 3858910.04	3.28E-04	1.04E-07	3.01E-08	4.02E-04	1.27E-07	3.69E-08	3.53E-04	1.11E-07	3.24E-08
2664	490710.04, 3858910.04	3.23E-04	1.02E-07	2.97E-08	3.96E-04	1.25E-07	3.63E-08	3.47E-04	1.10E-07	3.19E-08
2665	490760.04, 3858910.04	3.18E-04	1.00E-07	2.92E-08	3.89E-04	1.23E-07	3.57E-08	3.41E-04	1.08E-07	3.13E-08
2666	490810.04, 3858910.04	3.13E-04	9.88E-08	2.87E-08	3.83E-04	1.21E-07	3.52E-08	3.36E-04	1.06E-07	3.09E-08
2667	490860.04, 3858910.04	3.08E-04	9.71E-08	2.82E-08	3.77E-04	1.19E-07	3.46E-08	3.30E-04	1.04E-07	3.03E-08
2668	490360.04, 3858960.04	3.45E-04	1.09E-07	3.16E-08	4.22E-04	1.33E-07	3.88E-08	3.70E-04	1.17E-07	3.40E-08
2669	490410.04, 3858960.04	3.40E-04	1.07E-07	3.12E-08	4.16E-04	1.31E-07	3.82E-08	3.65E-04	1.15E-07	3.35E-08
2670	490460.04, 3858960.04	3.34E-04	1.05E-07	3.07E-08	4.09E-04	1.29E-07	3.76E-08	3.59E-04	1.13E-07	3.30E-08
2671	490510.04, 3858960.04	3.29E-04	1.04E-07	3.02E-08	4.03E-04	1.27E-07	3.70E-08	3.54E-04	1.12E-07	3.25E-08
2672	490560.04, 3858960.04	3.24E-04	1.02E-07	2.98E-08	3.97E-04	1.25E-07	3.65E-08	3.49E-04	1.10E-07	3.20E-08
2673	490610.04, 3858960.04	3.19E-04	1.01E-07	2.93E-08	3.91E-04	1.23E-07	3.59E-08	3.43E-04	1.08E-07	3.14E-08
2674	490660.04, 3858960.04	3.15E-04	9.94E-08	2.89E-08	3.86E-04	1.22E-07	3.54E-08	3.38E-04	1.07E-07	3.11E-08
2675	490710.04, 3858960.04	3.10E-04	9.78E-08	2.84E-08	3.80E-04	1.20E-07	3.48E-08	3.33E-04	1.05E-07	3.06E-08
2676	490760.04, 3858960.04	3.05E-04	9.63E-08	2.80E-08	3.74E-04	1.18E-07	3.43E-08	3.28E-04	1.03E-07	3.01E-08
2677	490810.04, 3858960.04	3.00E-04	9.47E-08	2.76E-08	3.68E-04	1.16E-07	3.38E-08	3.22E-04	1.02E-07	2.96E-08
2678	490860.04, 3858960.04	2.95E-04	9.31E-08	2.71E-08	3.61E-04	1.14E-07	3.32E-08	3.17E-04	1.00E-07	2.91E-08
2679	490360.04, 3859010.04	3.29E-04	1.04E-07	3.02E-08	4.03E-04	1.27E-07	3.70E-08	3.53E-04	1.12E-07	3.24E-08
2680	490410.04, 3859010.04	3.24E-04	1.02E-07	2.97E-08	3.97E-04	1.25E-07	3.64E-08	3.48E-04	1.10E-07	3.20E-08
2681	490460.04, 3859010.04	3.19E-04	1.01E-07	2.93E-08	3.90E-04	1.23E-07	3.58E-08	3.42E-04	1.08E-07	3.14E-08
2682	490510.04, 3859010.04	3.13E-04	9.89E-08	2.88E-08	3.84E-04	1.21E-07	3.52E-08	3.37E-04	1.06E-07	3.09E-08
2683	490560.04, 3859010.04	3.10E-04	9.77E-08	2.84E-08	3.79E-04	1.20E-07	3.48E-08	3.33E-04	1.05E-07	3.05E-08
2684	490610.04, 3859010.04	3.05E-04	9.62E-08	2.80E-08	3.73E-04	1.18E-07	3.43E-08	3.27E-04	1.03E-07	3.00E-08

2685	490660.04, 3859010.04	3.01E-04	9.51E-08	2.77E-08	3.69E-04	1.17E-07	3.39E-08	3.24E-04	1.02E-07	2.97E-08
2686	490710.04, 3859010.04	2.96E-04	9.36E-08	2.72E-08	3.63E-04	1.15E-07	3.33E-08	3.18E-04	1.00E-07	2.92E-08
2687	490760.04, 3859010.04	2.92E-04	9.21E-08	2.68E-08	3.57E-04	1.13E-07	3.28E-08	3.13E-04	9.89E-08	2.88E-08
2688	490810.04, 3859010.04	2.87E-04	9.06E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.08E-04	9.73E-08	2.83E-08
2689	490860.04, 3859010.04	2.83E-04	8.92E-08	2.60E-08	3.46E-04	1.09E-07	3.18E-08	3.04E-04	9.58E-08	2.79E-08
2690	490360.04, 3859060.04	3.13E-04	9.87E-08	2.87E-08	3.83E-04	1.21E-07	3.52E-08	3.36E-04	1.06E-07	3.09E-08
2691	490410.04, 3859060.04	3.08E-04	9.71E-08	2.83E-08	3.77E-04	1.19E-07	3.46E-08	3.31E-04	1.04E-07	3.04E-08
2692	490460.04, 3859060.04	3.03E-04	9.57E-08	2.78E-08	3.71E-04	1.17E-07	3.41E-08	3.26E-04	1.03E-07	2.99E-08
2693	490510.04, 3859060.04	2.99E-04	9.44E-08	2.75E-08	3.66E-04	1.16E-07	3.36E-08	3.21E-04	1.01E-07	2.95E-08
2694	490560.04, 3859060.04	2.94E-04	9.29E-08	2.70E-08	3.61E-04	1.14E-07	3.31E-08	3.16E-04	9.98E-08	2.90E-08
2695	490610.04, 3859060.04	2.91E-04	9.18E-08	2.67E-08	3.56E-04	1.12E-07	3.27E-08	3.12E-04	9.86E-08	2.87E-08
2696	490660.04, 3859060.04	2.87E-04	9.07E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.83E-08
2697	490710.04, 3859060.04	2.83E-04	8.92E-08	2.60E-08	3.46E-04	1.09E-07	3.18E-08	3.04E-04	9.58E-08	2.79E-08
2698	490760.04, 3859060.04	2.78E-04	8.79E-08	2.56E-08	3.41E-04	1.08E-07	3.13E-08	2.99E-04	9.44E-08	2.74E-08
2699	490810.04, 3859060.04	2.74E-04	8.65E-08	2.51E-08	3.36E-04	1.06E-07	3.08E-08	2.94E-04	9.28E-08	2.70E-08
2700	490860.04, 3859060.04	2.70E-04	8.51E-08	2.48E-08	3.30E-04	1.04E-07	3.03E-08	2.90E-04	9.14E-08	2.66E-08
2701	490360.04, 3859110.04	2.98E-04	9.39E-08	2.73E-08	3.65E-04	1.15E-07	3.35E-08	3.20E-04	1.01E-07	2.94E-08
2702	490410.04, 3859110.04	2.93E-04	9.25E-08	2.69E-08	3.59E-04	1.13E-07	3.30E-08	3.15E-04	9.94E-08	2.89E-08
2703	490460.04, 3859110.04	2.90E-04	9.14E-08	2.66E-08	3.55E-04	1.12E-07	3.26E-08	3.11E-04	9.82E-08	2.86E-08
2704	490510.04, 3859110.04	2.84E-04	8.97E-08	2.61E-08	3.48E-04	1.10E-07	3.20E-08	3.05E-04	9.64E-08	2.80E-08
2705	490560.04, 3859110.04	2.80E-04	8.85E-08	2.57E-08	3.44E-04	1.08E-07	3.15E-08	3.01E-04	9.51E-08	2.77E-08
2706	490610.04, 3859110.04	2.76E-04	8.72E-08	2.54E-08	3.38E-04	1.07E-07	3.11E-08	2.97E-04	9.37E-08	2.73E-08
2707	490660.04, 3859110.04	2.72E-04	8.58E-08	2.50E-08	3.33E-04	1.05E-07	3.06E-08	2.92E-04	9.21E-08	2.68E-08
2708	490710.04, 3859110.04	2.69E-04	8.48E-08	2.47E-08	3.29E-04	1.04E-07	3.02E-08	2.89E-04	9.11E-08	2.65E-08
2709	490760.04, 3859110.04	2.65E-04	8.36E-08	2.43E-08	3.25E-04	1.02E-07	2.98E-08	2.85E-04	8.98E-08	2.61E-08
2710	490810.04, 3859110.04	2.61E-04	8.22E-08	2.39E-08	3.19E-04	1.01E-07	2.93E-08	2.80E-04	8.83E-08	2.57E-08
2711	490860.04, 3859110.04	2.56E-04	8.09E-08	2.35E-08	3.14E-04	9.91E-08	2.88E-08	2.75E-04	8.69E-08	2.53E-08
2712	490360.04, 3859160.04	2.83E-04	8.93E-08	2.60E-08	3.47E-04	1.09E-07	3.18E-08	3.04E-04	9.60E-08	2.79E-08
2713	490410.04, 3859160.04	2.79E-04	8.82E-08	2.56E-08	3.42E-04	1.08E-07	3.14E-08	3.00E-04	9.48E-08	2.76E-08
2714	490460.04, 3859160.04	2.76E-04	8.71E-08	2.53E-08	3.38E-04	1.07E-07	3.10E-08	2.96E-04	9.35E-08	2.72E-08
2715	490510.04, 3859160.04	2.72E-04	8.59E-08	2.50E-08	3.33E-04	1.05E-07	3.06E-08	2.92E-04	9.23E-08	2.68E-08
2716	490560.04, 3859160.04	2.68E-04	8.45E-08	2.46E-08	3.28E-04	1.03E-07	3.01E-08	2.88E-04	9.08E-08	2.64E-08
2717	490610.04, 3859160.04	2.64E-04	8.34E-08	2.43E-08	3.24E-04	1.02E-07	2.97E-08	2.84E-04	8.96E-08	2.61E-08
2718	490660.04, 3859160.04	2.58E-04	8.15E-08	2.37E-08	3.16E-04	9.98E-08	2.90E-08	2.77E-04	8.75E-08	2.55E-08
2719	490710.04, 3859160.04	2.55E-04	8.06E-08	2.34E-08	3.13E-04	9.87E-08	2.87E-08	2.74E-04	8.65E-08	2.52E-08
2720	490760.04, 3859160.04	2.50E-04	7.90E-08	2.30E-08	3.07E-04	9.68E-08	2.82E-08	2.69E-04	8.49E-08	2.47E-08
2721	490810.04, 3859160.04	2.47E-04	7.81E-08	2.27E-08	3.03E-04	9.57E-08	2.78E-08	2.66E-04	8.39E-08	2.44E-08
2722	490860.04, 3859160.04	2.44E-04	7.71E-08	2.24E-08	2.99E-04	9.44E-08	2.75E-08	2.62E-04	8.28E-08	2.41E-08
2723	490360.04, 3859210.04	2.69E-04	8.49E-08	2.47E-08	3.29E-04	1.04E-07	3.02E-08	2.89E-04	9.12E-08	2.65E-08
2724	490410.04, 3859210.04	2.67E-04	8.42E-08	2.45E-08	3.27E-04	1.03E-07	3.00E-08	2.87E-04	9.05E-08	2.63E-08
2725	490460.04, 3859210.04	2.63E-04	8.29E-08	2.41E-08	3.22E-04	1.02E-07	2.95E-08	2.82E-04	8.91E-08	2.59E-08
2726	490510.04, 3859210.04	2.59E-04	8.18E-08	2.38E-08	3.18E-04	1.00E-07	2.92E-08	2.79E-04	8.79E-08	2.56E-08
2727	490560.04, 3859210.04	2.57E-04	8.10E-08	2.36E-08	3.14E-04	9.92E-08	2.88E-08	2.76E-04	8.70E-08	2.53E-08
2728	490610.04, 3859210.04	2.53E-04	7.99E-08	2.32E-08	3.10E-04	9.78E-08	2.85E-08	2.72E-04	8.58E-08	2.50E-08
2729	490660.04, 3859210.04	2.48E-04	7.82E-08	2.28E-08	3.04E-04	9.58E-08	2.79E-08	2.66E-04	8.40E-08	2.44E-08
2730	490710.04, 3859210.04	2.45E-04	7.72E-08	2.25E-08	3.00E-04	9.46E-08	2.75E-08	2.63E-04	8.29E-08	2.41E-08
2731	490760.04, 3859210.04	2.40E-04	7.58E-08	2.20E-08	2.94E-04	9.28E-08	2.70E-08	2.58E-04	8.14E-08	2.37E-08
2732	490810.04, 3859210.04	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.23E-08	2.69E-08	2.57E-04	8.10E-08	2.35E-08
2733	490860.04, 3859210.04	2.37E-04	7.50E-08	2.18E-08	2.91E-04	9.18E-08	2.67E-08	2.55E-04	8.05E-08	2.34E-08
2734	490360.04, 3859260.04	2.55E-04	8.06E-08	2.35E-08	3.13E-04	9.88E-08	2.87E-08	2.75E-04	8.67E-08	2.52E-08
2735	490410.04, 3859260.04	2.53E-04	8.00E-08	2.33E-08	3.10E-04	9.80E-08	2.85E-08	2.72E-04	8.59E-08	2.50E-08
2736	490460.04, 3859260.04	2.51E-04	7.94E-08	2.31E-08	3.08E-04	9.72E-08	2.83E-08	2.70E-04	8.53E-08	2.48E-08
2737	490510.04, 3859260.04	2.50E-04	7.87E-08	2.29E-08	3.06E-04	9.65E-08	2.81E-08	2.68E-04	8.46E-08	2.46E-08
2738	490560.04, 3859260.04	2.47E-04	7.79E-08	2.27E-08	3.02E-04	9.54E-08	2.77E-08	2.65E-04	8.37E-08	2.43E-08
2739	490610.04, 3859260.04	2.43E-04	7.66E-08	2.23E-08	2.97E-04	9.39E-08	2.73E-08	2.61E-04	8.23E-08	2.39E-08
2740	490660.04, 3859260.04	2.42E-04	7.62E-08	2.22E-08	2.96E-04	9.34E-08	2.72E-08	2.59E-04	8.19E-08	2.38E-08
2741	490710.04, 3859260.04	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.10E-08	2.36E-08
2742	490760.04, 3859260.04	2.35E-04	7.41E-08	2.16E-08	2.88E-04	9.07E-08	2.64E-08	2.52E-04	7.96E-08	2.31E-08
2743	490810.04, 3859260.04	2.33E-04	7.36E-08	2.14E-08	2.86E-04	9.01E-08	2.62E-08	2.50E-04	7.90E-08	2.30E-08
2744	490860.04, 3859260.04	2.32E-04	7.31E-08	2.13E-08	2.84E-04	8.95E-08	2.60E-08	2.49E-04	7.85E-08	2.28E-08
2745	490360.04, 3859310.04	2.44E-04	7.69E-08	2.24E-08	2.98E-04	9.42E-08	2.74E-08	2.62E-04	8.26E-08	2.40E-08
2746	490410.04, 3859310.04	2.42E-04	7.63E-08	2.22E-08	2.96E-04	9.35E-08	2.72E-08	2.60E-04	8.20E-08	2.39E-08
2747	490460.04, 3859310.04	2.40E-04	7.58E-08	2.21E-08	2.94E-04	9.29E-08	2.70E-08	2.58E-04	8.15E-08	2.37E-08
2748	490510.04, 3859310.04	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.23E-08	2.69E-08	2.57E-04	8.10E-08	2.36E-08

2749	490560.04, 3859310.04	2.37E-04	7.49E-08	2.18E-08	2.91E-04	9.17E-08	2.67E-08	2.55E-04	8.04E-08	2.34E-08
2750	490610.04, 3859310.04	2.36E-04	7.44E-08	2.17E-08	2.89E-04	9.12E-08	2.65E-08	2.53E-04	8.00E-08	2.33E-08
2751	490660.04, 3859310.04	2.34E-04	7.38E-08	2.15E-08	2.87E-04	9.05E-08	2.63E-08	2.51E-04	7.93E-08	2.31E-08
2752	490710.04, 3859310.04	2.31E-04	7.28E-08	2.12E-08	2.82E-04	8.91E-08	2.59E-08	2.48E-04	7.82E-08	2.27E-08
2753	490760.04, 3859310.04	2.28E-04	7.21E-08	2.10E-08	2.80E-04	8.83E-08	2.57E-08	2.45E-04	7.74E-08	2.25E-08
2754	490810.04, 3859310.04	2.27E-04	7.16E-08	2.08E-08	2.78E-04	8.77E-08	2.55E-08	2.44E-04	7.69E-08	2.24E-08
2755	490860.04, 3859310.04	2.25E-04	7.09E-08	2.06E-08	2.75E-04	8.68E-08	2.53E-08	2.41E-04	7.61E-08	2.21E-08
2756	490360.04, 3859360.04	2.32E-04	7.33E-08	2.13E-08	2.85E-04	8.98E-08	2.61E-08	2.50E-04	7.88E-08	2.29E-08
2757	490410.04, 3859360.04	2.31E-04	7.30E-08	2.12E-08	2.83E-04	8.94E-08	2.60E-08	2.49E-04	7.84E-08	2.28E-08
2758	490460.04, 3859360.04	2.30E-04	7.27E-08	2.11E-08	2.82E-04	8.90E-08	2.59E-08	2.47E-04	7.81E-08	2.27E-08
2759	490510.04, 3859360.04	2.29E-04	7.23E-08	2.10E-08	2.81E-04	8.86E-08	2.58E-08	2.46E-04	7.77E-08	2.26E-08
2760	490560.04, 3859360.04	2.28E-04	7.19E-08	2.09E-08	2.79E-04	8.80E-08	2.56E-08	2.45E-04	7.72E-08	2.25E-08
2761	490610.04, 3859360.04	2.26E-04	7.14E-08	2.08E-08	2.77E-04	8.74E-08	2.54E-08	2.43E-04	7.67E-08	2.23E-08
2762	490660.04, 3859360.04	2.25E-04	7.10E-08	2.06E-08	2.75E-04	8.69E-08	2.53E-08	2.42E-04	7.62E-08	2.22E-08
2763	490710.04, 3859360.04	2.23E-04	7.03E-08	2.05E-08	2.73E-04	8.62E-08	2.51E-08	2.39E-04	7.56E-08	2.20E-08
2764	490760.04, 3859360.04	2.21E-04	6.96E-08	2.03E-08	2.70E-04	8.53E-08	2.48E-08	2.37E-04	7.48E-08	2.18E-08
2765	490810.04, 3859360.04	2.20E-04	6.94E-08	2.02E-08	2.69E-04	8.50E-08	2.47E-08	2.36E-04	7.45E-08	2.17E-08
2766	490860.04, 3859360.04	2.18E-04	6.89E-08	2.00E-08	2.67E-04	8.44E-08	2.45E-08	2.34E-04	7.40E-08	2.15E-08
2767	490360.04, 3859410.04	2.22E-04	7.00E-08	2.03E-08	2.71E-04	8.57E-08	2.49E-08	2.38E-04	7.52E-08	2.19E-08
2768	490410.04, 3859410.04	2.21E-04	6.97E-08	2.03E-08	2.71E-04	8.54E-08	2.48E-08	2.37E-04	7.49E-08	2.18E-08
2769	490460.04, 3859410.04	2.20E-04	6.95E-08	2.02E-08	2.70E-04	8.51E-08	2.47E-08	2.37E-04	7.47E-08	2.17E-08
2770	490510.04, 3859410.04	2.19E-04	6.92E-08	2.01E-08	2.69E-04	8.48E-08	2.47E-08	2.36E-04	7.44E-08	2.16E-08
2771	490560.04, 3859410.04	2.18E-04	6.89E-08	2.01E-08	2.68E-04	8.44E-08	2.46E-08	2.35E-04	7.41E-08	2.15E-08
2772	490610.04, 3859410.04	2.18E-04	6.86E-08	2.00E-08	2.66E-04	8.41E-08	2.45E-08	2.34E-04	7.38E-08	2.15E-08
2773	490660.04, 3859410.04	2.16E-04	6.82E-08	1.98E-08	2.65E-04	8.36E-08	2.43E-08	2.32E-04	7.33E-08	2.13E-08
2774	490710.04, 3859410.04	2.15E-04	6.78E-08	1.97E-08	2.63E-04	8.30E-08	2.42E-08	2.31E-04	7.28E-08	2.12E-08
2775	490760.04, 3859410.04	2.13E-04	6.72E-08	1.96E-08	2.61E-04	8.23E-08	2.40E-08	2.29E-04	7.22E-08	2.10E-08
2776	490810.04, 3859410.04	2.12E-04	6.70E-08	1.95E-08	2.60E-04	8.20E-08	2.39E-08	2.28E-04	7.19E-08	2.09E-08
2777	490860.04, 3859410.04	2.12E-04	6.68E-08	1.94E-08	2.59E-04	8.19E-08	2.38E-08	2.27E-04	7.18E-08	2.09E-08
2778	490360.04, 3859460.04	2.11E-04	6.68E-08	1.94E-08	2.59E-04	8.18E-08	2.38E-08	2.27E-04	7.17E-08	2.09E-08
2779	490410.04, 3859460.04	2.11E-04	6.66E-08	1.94E-08	2.58E-04	8.16E-08	2.37E-08	2.27E-04	7.16E-08	2.08E-08
2780	490460.04, 3859460.04	2.10E-04	6.64E-08	1.93E-08	2.58E-04	8.13E-08	2.37E-08	2.26E-04	7.14E-08	2.08E-08
2781	490510.04, 3859460.04	2.10E-04	6.62E-08	1.93E-08	2.57E-04	8.11E-08	2.36E-08	2.25E-04	7.12E-08	2.07E-08
2782	490560.04, 3859460.04	2.09E-04	6.60E-08	1.92E-08	2.56E-04	8.09E-08	2.35E-08	2.25E-04	7.10E-08	2.06E-08
2783	490610.04, 3859460.04	2.09E-04	6.58E-08	1.91E-08	2.55E-04	8.06E-08	2.34E-08	2.24E-04	7.07E-08	2.06E-08
2784	490660.04, 3859460.04	2.08E-04	6.56E-08	1.91E-08	2.54E-04	8.03E-08	2.34E-08	2.23E-04	7.04E-08	2.05E-08
2785	490710.04, 3859460.04	2.07E-04	6.53E-08	1.90E-08	2.53E-04	8.00E-08	2.33E-08	2.22E-04	7.02E-08	2.04E-08
2786	490760.04, 3859460.04	2.06E-04	6.50E-08	1.89E-08	2.52E-04	7.96E-08	2.32E-08	2.21E-04	6.98E-08	2.03E-08
2787	490810.04, 3859460.04	2.05E-04	6.47E-08	1.88E-08	2.51E-04	7.93E-08	2.31E-08	2.20E-04	6.95E-08	2.02E-08
2788	490860.04, 3859460.04	2.04E-04	6.45E-08	1.88E-08	2.50E-04	7.90E-08	2.30E-08	2.20E-04	6.93E-08	2.02E-08
2789	490360.04, 3859510.04	2.02E-04	6.36E-08	1.85E-08	2.47E-04	7.79E-08	2.27E-08	2.17E-04	6.84E-08	1.99E-08
2790	490410.04, 3859510.04	2.01E-04	6.36E-08	1.85E-08	2.47E-04	7.79E-08	2.26E-08	2.16E-04	6.83E-08	1.99E-08
2791	490460.04, 3859510.04	2.01E-04	6.35E-08	1.85E-08	2.46E-04	7.78E-08	2.26E-08	2.16E-04	6.82E-08	1.98E-08
2792	490510.04, 3859510.04	2.01E-04	6.34E-08	1.84E-08	2.46E-04	7.76E-08	2.26E-08	2.16E-04	6.81E-08	1.98E-08
2793	490560.04, 3859510.04	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.75E-08	2.25E-08	2.15E-04	6.80E-08	1.98E-08
2794	490610.04, 3859510.04	2.00E-04	6.31E-08	1.84E-08	2.45E-04	7.73E-08	2.25E-08	2.15E-04	6.78E-08	1.97E-08
2795	490660.04, 3859510.04	1.99E-04	6.29E-08	1.83E-08	2.44E-04	7.71E-08	2.24E-08	2.14E-04	6.76E-08	1.97E-08
2796	490710.04, 3859510.04	1.99E-04	6.28E-08	1.83E-08	2.44E-04	7.69E-08	2.24E-08	2.14E-04	6.74E-08	1.96E-08
2797	490760.04, 3859510.04	1.98E-04	6.26E-08	1.82E-08	2.43E-04	7.66E-08	2.23E-08	2.13E-04	6.72E-08	1.95E-08
2798	490810.04, 3859510.04	1.98E-04	6.24E-08	1.81E-08	2.42E-04	7.64E-08	2.22E-08	2.12E-04	6.70E-08	1.95E-08
2799	490860.04, 3859510.04	1.97E-04	6.22E-08	1.81E-08	2.41E-04	7.62E-08	2.22E-08	2.12E-04	6.68E-08	1.94E-08
2800	490360.04, 3859560.04	1.92E-04	6.07E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.07E-04	6.52E-08	1.90E-08
2801	490410.04, 3859560.04	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.52E-08	1.90E-08
2802	490460.04, 3859560.04	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.51E-08	1.89E-08
2803	490510.04, 3859560.04	1.92E-04	6.07E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.07E-04	6.52E-08	1.90E-08
2804	490560.04, 3859560.04	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.42E-08	2.16E-08	2.06E-04	6.51E-08	1.89E-08
2805	490610.04, 3859560.04	1.92E-04	6.05E-08	1.76E-08	2.35E-04	7.41E-08	2.16E-08	2.06E-04	6.50E-08	1.89E-08
2806	490660.04, 3859560.04	1.91E-04	6.04E-08	1.76E-08	2.34E-04	7.40E-08	2.15E-08	2.06E-04	6.49E-08	1.89E-08
2807	490710.04, 3859560.04	1.91E-04	6.03E-08	1.75E-08	2.34E-04	7.39E-08	2.15E-08	2.05E-04	6.48E-08	1.88E-08
2808	490760.04, 3859560.04	1.91E-04	6.02E-08	1.75E-08	2.33E-04	7.37E-08	2.14E-08	2.05E-04	6.46E-08	1.88E-08
2809	490810.04, 3859560.04	1.90E-04	6.00E-08	1.75E-08	2.33E-04	7.35E-08	2.14E-08	2.04E-04	6.45E-08	1.87E-08
2810	490860.04, 3859560.04	1.90E-04	5.98E-08	1.74E-08	2.32E-04	7.33E-08	2.13E-08	2.04E-04	6.43E-08	1.87E-08
2811	490187.25, 3859422.08	2.21E-04	6.97E-08	2.03E-08	2.71E-04	8.54E-08	2.48E-08	2.37E-04	7.49E-08	2.18E-08
2812	490237.25, 3859422.08	2.21E-04	6.96E-08	2.02E-08	2.70E-04	8.53E-08	2.48E-08	2.37E-04	7.48E-08	2.18E-08

2813	490287.25, 3859422.08	2.20E-04	6.95E-08	2.02E-08	2.70E-04	8.51E-08	2.48E-08	2.37E-04	7.47E-08	2.17E-08
2814	490337.25, 3859422.08	2.19E-04	6.93E-08	2.01E-08	2.69E-04	8.48E-08	2.47E-08	2.36E-04	7.44E-08	2.17E-08
2815	490187.25, 3859472.08	2.10E-04	6.63E-08	1.93E-08	2.57E-04	8.12E-08	2.36E-08	2.26E-04	7.12E-08	2.07E-08
2816	490237.25, 3859472.08	2.10E-04	6.62E-08	1.93E-08	2.57E-04	8.11E-08	2.36E-08	2.25E-04	7.11E-08	2.07E-08
2817	490287.25, 3859472.08	2.10E-04	6.61E-08	1.92E-08	2.57E-04	8.10E-08	2.36E-08	2.25E-04	7.11E-08	2.07E-08
2818	490337.25, 3859472.08	2.09E-04	6.60E-08	1.92E-08	2.56E-04	8.09E-08	2.35E-08	2.25E-04	7.10E-08	2.06E-08
2819	490297.07, 3859500.42	2.04E-04	6.43E-08	1.87E-08	2.50E-04	7.88E-08	2.29E-08	2.19E-04	6.91E-08	2.01E-08
2820	490327.07, 3859500.42	2.03E-04	6.42E-08	1.87E-08	2.49E-04	7.87E-08	2.29E-08	2.19E-04	6.90E-08	2.01E-08
2821	490297.07, 3859530.42	1.98E-04	6.24E-08	1.82E-08	2.42E-04	7.65E-08	2.22E-08	2.13E-04	6.71E-08	1.95E-08
2822	490327.07, 3859530.42	1.98E-04	6.24E-08	1.82E-08	2.42E-04	7.64E-08	2.22E-08	2.12E-04	6.71E-08	1.95E-08
2823	490319.73, 3859055.34	3.18E-04	1.00E-07	2.92E-08	3.90E-04	1.23E-07	3.58E-08	3.42E-04	1.08E-07	3.14E-08
2824	490319.73, 3859105.34	3.02E-04	9.54E-08	2.77E-08	3.70E-04	1.17E-07	3.40E-08	3.25E-04	1.03E-07	2.98E-08
2825	490069.73, 3859155.34	3.00E-04	9.47E-08	2.75E-08	3.67E-04	1.16E-07	3.37E-08	3.22E-04	1.02E-07	2.96E-08
2826	490119.73, 3859155.34	2.97E-04	9.38E-08	2.73E-08	3.64E-04	1.15E-07	3.34E-08	3.20E-04	1.01E-07	2.93E-08
2827	490269.73, 3859155.34	2.90E-04	9.15E-08	2.66E-08	3.55E-04	1.12E-07	3.26E-08	3.12E-04	9.84E-08	2.86E-08
2828	490319.73, 3859155.34	2.87E-04	9.06E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.74E-08	2.83E-08
2829	490069.73, 3859205.34	2.83E-04	8.92E-08	2.60E-08	3.46E-04	1.09E-07	3.18E-08	3.04E-04	9.59E-08	2.79E-08
2830	490119.73, 3859205.34	2.81E-04	8.86E-08	2.58E-08	3.44E-04	1.08E-07	3.16E-08	3.02E-04	9.52E-08	2.77E-08
2831	490169.73, 3859205.34	2.79E-04	8.80E-08	2.56E-08	3.41E-04	1.08E-07	3.13E-08	3.00E-04	9.46E-08	2.75E-08
2832	490219.73, 3859205.34	2.77E-04	8.73E-08	2.54E-08	3.39E-04	1.07E-07	3.11E-08	2.97E-04	9.39E-08	2.73E-08
2833	490269.73, 3859205.34	2.74E-04	8.66E-08	2.52E-08	3.36E-04	1.06E-07	3.09E-08	2.95E-04	9.31E-08	2.71E-08
2834	490319.73, 3859205.34	2.72E-04	8.59E-08	2.50E-08	3.34E-04	1.05E-07	3.06E-08	2.93E-04	9.24E-08	2.69E-08
2835	490069.73, 3859255.34	2.67E-04	8.43E-08	2.45E-08	3.27E-04	1.03E-07	3.00E-08	2.87E-04	9.06E-08	2.64E-08
2836	490119.73, 3859255.34	2.65E-04	8.37E-08	2.44E-08	3.25E-04	1.03E-07	2.98E-08	2.85E-04	9.00E-08	2.62E-08
2837	490169.73, 3859255.34	2.64E-04	8.32E-08	2.42E-08	3.23E-04	1.02E-07	2.96E-08	2.83E-04	8.94E-08	2.60E-08
2838	490219.73, 3859255.34	2.62E-04	8.27E-08	2.41E-08	3.21E-04	1.01E-07	2.95E-08	2.82E-04	8.89E-08	2.59E-08
2839	490269.73, 3859255.34	2.60E-04	8.22E-08	2.39E-08	3.19E-04	1.01E-07	2.93E-08	2.80E-04	8.83E-08	2.57E-08
2840	490319.73, 3859255.34	2.59E-04	8.16E-08	2.37E-08	3.17E-04	1.00E-07	2.91E-08	2.78E-04	8.78E-08	2.55E-08
2841	490069.73, 3859305.34	2.53E-04	7.97E-08	2.32E-08	3.09E-04	9.77E-08	2.84E-08	2.72E-04	8.57E-08	2.49E-08
2842	490119.73, 3859305.34	2.51E-04	7.93E-08	2.31E-08	3.08E-04	9.71E-08	2.83E-08	2.70E-04	8.52E-08	2.48E-08
2843	490169.73, 3859305.34	2.50E-04	7.89E-08	2.29E-08	3.06E-04	9.66E-08	2.81E-08	2.69E-04	8.48E-08	2.47E-08
2844	490219.73, 3859305.34	2.49E-04	7.85E-08	2.28E-08	3.05E-04	9.61E-08	2.80E-08	2.67E-04	8.43E-08	2.45E-08
2845	490269.73, 3859305.34	2.47E-04	7.81E-08	2.27E-08	3.03E-04	9.56E-08	2.78E-08	2.66E-04	8.39E-08	2.44E-08
2846	490319.73, 3859305.34	2.46E-04	7.76E-08	2.26E-08	3.01E-04	9.51E-08	2.77E-08	2.64E-04	8.34E-08	2.43E-08
2847	490069.73, 3859355.34	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.11E-08	2.36E-08
2848	490119.73, 3859355.34	2.38E-04	7.51E-08	2.18E-08	2.91E-04	9.19E-08	2.67E-08	2.56E-04	8.07E-08	2.35E-08
2849	490169.73, 3859355.34	2.37E-04	7.48E-08	2.18E-08	2.90E-04	9.16E-08	2.67E-08	2.55E-04	8.04E-08	2.34E-08
2850	490219.73, 3859355.34	2.36E-04	7.45E-08	2.17E-08	2.89E-04	9.13E-08	2.66E-08	2.54E-04	8.01E-08	2.33E-08
2851	490269.73, 3859355.34	2.35E-04	7.42E-08	2.16E-08	2.88E-04	9.09E-08	2.65E-08	2.53E-04	7.98E-08	2.32E-08
2852	490319.73, 3859355.34	2.34E-04	7.39E-08	2.15E-08	2.87E-04	9.06E-08	2.63E-08	2.52E-04	7.95E-08	2.31E-08
2853	490069.73, 3859405.34	2.26E-04	7.14E-08	2.08E-08	2.77E-04	8.74E-08	2.54E-08	2.43E-04	7.67E-08	2.23E-08
2854	490119.73, 3859405.34	2.25E-04	7.12E-08	2.07E-08	2.76E-04	8.72E-08	2.54E-08	2.42E-04	7.65E-08	2.23E-08
2855	490169.73, 3859405.34	2.25E-04	7.10E-08	2.07E-08	2.76E-04	8.70E-08	2.53E-08	2.42E-04	7.63E-08	2.22E-08
2856	490219.73, 3859405.34	2.24E-04	7.08E-08	2.06E-08	2.75E-04	8.68E-08	2.52E-08	2.41E-04	7.62E-08	2.22E-08
2857	490269.73, 3859405.34	2.24E-04	7.07E-08	2.06E-08	2.74E-04	8.66E-08	2.52E-08	2.41E-04	7.60E-08	2.21E-08
2858	490319.73, 3859405.34	2.23E-04	7.05E-08	2.05E-08	2.73E-04	8.63E-08	2.51E-08	2.40E-04	7.57E-08	2.20E-08
2859	490161.89, 3859541.83	1.96E-04	6.18E-08	1.80E-08	2.40E-04	7.57E-08	2.20E-08	2.11E-04	6.64E-08	1.93E-08
2860	490171.89, 3859541.83	1.96E-04	6.18E-08	1.80E-08	2.40E-04	7.57E-08	2.20E-08	2.11E-04	6.64E-08	1.93E-08
2861	490161.89, 3859551.83	1.94E-04	6.12E-08	1.78E-08	2.38E-04	7.50E-08	2.18E-08	2.08E-04	6.58E-08	1.91E-08
2862	490171.89, 3859551.83	1.94E-04	6.12E-08	1.78E-08	2.38E-04	7.50E-08	2.18E-08	2.08E-04	6.58E-08	1.91E-08
2863	489799.72, 3859348.21	2.45E-04	7.74E-08	2.25E-08	3.00E-04	9.48E-08	2.76E-08	2.64E-04	8.32E-08	2.42E-08
2864	489819.72, 3859348.21	2.45E-04	7.73E-08	2.25E-08	3.00E-04	9.47E-08	2.75E-08	2.63E-04	8.31E-08	2.42E-08
2865	489799.72, 3859368.21	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.11E-08	2.36E-08
2866	489819.72, 3859368.21	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.11E-08	2.36E-08
2867	489775.41, 3859329.72	2.51E-04	7.92E-08	2.31E-08	3.08E-04	9.71E-08	2.82E-08	2.70E-04	8.52E-08	2.48E-08
2868	489795.41, 3859329.72	2.51E-04	7.92E-08	2.30E-08	3.07E-04	9.70E-08	2.82E-08	2.70E-04	8.51E-08	2.48E-08
2869	489775.41, 3859349.72	2.45E-04	7.73E-08	2.25E-08	3.00E-04	9.46E-08	2.75E-08	2.63E-04	8.31E-08	2.42E-08
2870	489795.41, 3859349.72	2.45E-04	7.72E-08	2.25E-08	3.00E-04	9.46E-08	2.75E-08	2.63E-04	8.30E-08	2.41E-08
2871	489595.05, 3859219.43	2.97E-04	9.36E-08	2.72E-08	3.63E-04	1.15E-07	3.34E-08	3.19E-04	1.01E-07	2.93E-08
2872	489615.05, 3859219.43	2.96E-04	9.35E-08	2.72E-08	3.63E-04	1.15E-07	3.33E-08	3.19E-04	1.01E-07	2.92E-08
2873	489595.05, 3859239.43	2.87E-04	9.07E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.84E-08
2874	489615.05, 3859239.43	2.87E-04	9.06E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.84E-08
2875	489372.4, 3859092.58	3.87E-04	1.22E-07	3.55E-08	4.74E-04	1.50E-07	4.35E-08	4.16E-04	1.31E-07	3.82E-08
2876	489422.4, 3859092.58	3.83E-04	1.21E-07	3.51E-08	4.69E-04	1.48E-07	4.31E-08	4.12E-04	1.30E-07	3.78E-08

2877	489372.4, 3859142.58	3.46E-04	1.09E-07	3.18E-08	4.24E-04	1.34E-07	3.89E-08	3.72E-04	1.18E-07	3.42E-08
2878	489422.4, 3859142.58	3.45E-04	1.09E-07	3.17E-08	4.23E-04	1.33E-07	3.88E-08	3.71E-04	1.17E-07	3.41E-08
2879	488870.84, 3858666.64	1.49E-03	4.70E-07	1.37E-07	1.82E-03	5.76E-07	1.67E-07	1.61E-03	5.07E-07	1.47E-07
2880	488900.84, 3858666.64	1.40E-03	4.41E-07	1.28E-07	1.71E-03	5.41E-07	1.57E-07	1.51E-03	4.76E-07	1.38E-07
2881	488870.84, 3858696.64	1.61E-03	5.09E-07	1.48E-07	1.98E-03	6.24E-07	1.81E-07	1.74E-03	5.49E-07	1.60E-07
2882	488900.84, 3858696.64	1.50E-03	4.74E-07	1.38E-07	1.84E-03	5.81E-07	1.69E-07	1.62E-03	5.12E-07	1.49E-07
2883	488889.67, 3858683.97	1.49E-03	4.71E-07	1.37E-07	1.83E-03	5.77E-07	1.68E-07	1.61E-03	5.08E-07	1.48E-07
2884	488919.67, 3858683.97	1.40E-03	4.42E-07	1.29E-07	1.72E-03	5.41E-07	1.57E-07	1.51E-03	4.77E-07	1.39E-07
2885	488889.67, 3858713.97	1.62E-03	5.11E-07	1.49E-07	1.98E-03	6.26E-07	1.82E-07	1.75E-03	5.51E-07	1.60E-07
2886	488919.67, 3858713.97	1.50E-03	4.75E-07	1.38E-07	1.84E-03	5.82E-07	1.69E-07	1.62E-03	5.12E-07	1.49E-07
2887	488906.61, 3858703.33	1.51E-03	4.76E-07	1.38E-07	1.85E-03	5.83E-07	1.70E-07	1.63E-03	5.14E-07	1.49E-07
2888	488936.61, 3858703.33	1.41E-03	4.46E-07	1.30E-07	1.73E-03	5.46E-07	1.59E-07	1.52E-03	4.81E-07	1.40E-07
2889	488906.61, 3858733.33	1.64E-03	5.17E-07	1.50E-07	2.01E-03	6.33E-07	1.84E-07	1.77E-03	5.57E-07	1.62E-07
2890	488936.61, 3858733.33	1.52E-03	4.79E-07	1.39E-07	1.86E-03	5.87E-07	1.71E-07	1.64E-03	5.17E-07	1.50E-07
2891	488637.63, 3858467.85	1.48E-03	4.68E-07	1.36E-07	1.82E-03	5.74E-07	1.67E-07	1.60E-03	5.05E-07	1.47E-07
2892	488662.63, 3858467.85	1.42E-03	4.48E-07	1.30E-07	1.74E-03	5.49E-07	1.60E-07	1.53E-03	4.84E-07	1.41E-07
2893	488637.63, 3858492.85	1.57E-03	4.97E-07	1.44E-07	1.93E-03	6.08E-07	1.77E-07	1.70E-03	5.36E-07	1.56E-07
2894	488662.63, 3858492.85	1.50E-03	4.73E-07	1.38E-07	1.84E-03	5.79E-07	1.69E-07	1.62E-03	5.10E-07	1.48E-07
2895	488687.63, 3858492.85	1.43E-03	4.52E-07	1.31E-07	1.75E-03	5.54E-07	1.61E-07	1.54E-03	4.87E-07	1.42E-07
2896	488637.63, 3858517.85	1.68E-03	5.31E-07	1.54E-07	2.06E-03	6.50E-07	1.89E-07	1.81E-03	5.73E-07	1.67E-07
2897	488662.63, 3858517.85	1.59E-03	5.03E-07	1.46E-07	1.95E-03	6.16E-07	1.79E-07	1.72E-03	5.42E-07	1.58E-07
2898	488687.63, 3858517.85	1.51E-03	4.78E-07	1.39E-07	1.85E-03	5.85E-07	1.70E-07	1.63E-03	5.15E-07	1.50E-07
2899	488194.42, 3857168.98	1.70E-03	5.38E-07	1.56E-07	2.09E-03	6.59E-07	1.92E-07	1.81E-03	5.72E-07	1.67E-07
2900	488244.42, 3857168.98	1.64E-03	5.19E-07	1.51E-07	2.01E-03	6.35E-07	1.85E-07	1.75E-03	5.52E-07	1.61E-07
2901	488294.42, 3857168.98	1.59E-03	5.01E-07	1.46E-07	1.95E-03	6.14E-07	1.79E-07	1.69E-03	5.34E-07	1.55E-07
2902	488244.42, 3857218.98	1.67E-03	5.26E-07	1.53E-07	2.04E-03	6.45E-07	1.88E-07	1.77E-03	5.60E-07	1.63E-07
2903	488294.42, 3857218.98	1.61E-03	5.08E-07	1.48E-07	1.97E-03	6.22E-07	1.81E-07	1.71E-03	5.41E-07	1.57E-07
2904	488294.42, 3857268.98	1.63E-03	5.14E-07	1.50E-07	1.99E-03	6.29E-07	1.83E-07	1.73E-03	5.47E-07	1.59E-07
2905	488139.13, 3857111.68	1.74E-03	5.49E-07	1.60E-07	2.13E-03	6.72E-07	1.95E-07	1.85E-03	5.84E-07	1.70E-07
2906	488189.13, 3857111.68	1.68E-03	5.29E-07	1.54E-07	2.05E-03	6.48E-07	1.88E-07	1.79E-03	5.64E-07	1.64E-07
2907	488189.13, 3857161.68	1.71E-03	5.39E-07	1.57E-07	2.09E-03	6.60E-07	1.92E-07	1.82E-03	5.73E-07	1.67E-07
2908	487951.04, 3856961.26	1.88E-03	5.93E-07	1.73E-07	2.30E-03	7.26E-07	2.11E-07	2.01E-03	6.35E-07	1.85E-07
2909	488001.04, 3856961.26	1.81E-03	5.73E-07	1.67E-07	2.22E-03	7.01E-07	2.04E-07	1.94E-03	6.13E-07	1.78E-07
2910	488051.04, 3856961.26	1.76E-03	5.55E-07	1.61E-07	2.15E-03	6.79E-07	1.98E-07	1.88E-03	5.93E-07	1.73E-07
2911	488101.04, 3856961.26	1.70E-03	5.35E-07	1.56E-07	2.08E-03	6.55E-07	1.91E-07	1.81E-03	5.72E-07	1.67E-07
2912	487951.04, 3857011.26	1.91E-03	6.02E-07	1.75E-07	2.34E-03	7.37E-07	2.15E-07	2.04E-03	6.43E-07	1.87E-07
2913	488001.04, 3857011.26	1.85E-03	5.83E-07	1.69E-07	2.26E-03	7.13E-07	2.08E-07	1.97E-03	6.22E-07	1.81E-07
2914	488051.04, 3857011.26	1.79E-03	5.64E-07	1.64E-07	2.19E-03	6.90E-07	2.01E-07	1.91E-03	6.02E-07	1.75E-07
2915	488101.04, 3857011.26	1.72E-03	5.44E-07	1.58E-07	2.11E-03	6.66E-07	1.94E-07	1.84E-03	5.81E-07	1.69E-07
2916	488001.04, 3857061.26	1.88E-03	5.93E-07	1.72E-07	2.30E-03	7.26E-07	2.11E-07	2.00E-03	6.32E-07	1.84E-07
2917	488051.04, 3857061.26	1.81E-03	5.72E-07	1.66E-07	2.22E-03	7.01E-07	2.04E-07	1.93E-03	6.10E-07	1.78E-07
2918	488101.04, 3857061.26	1.75E-03	5.53E-07	1.61E-07	2.14E-03	6.77E-07	1.97E-07	1.87E-03	5.89E-07	1.71E-07
2919	487638.98, 3856673.79	2.10E-03	6.64E-07	1.93E-07	2.58E-03	8.13E-07	2.36E-07	2.27E-03	7.15E-07	2.08E-07
2920	487688.98, 3856673.79	2.03E-03	6.39E-07	1.86E-07	2.48E-03	7.83E-07	2.28E-07	2.18E-03	6.89E-07	2.00E-07
2921	487638.98, 3856723.79	2.17E-03	6.85E-07	1.99E-07	2.66E-03	8.38E-07	2.44E-07	2.34E-03	7.37E-07	2.15E-07
2922	487688.98, 3856723.79	2.09E-03	6.58E-07	1.91E-07	2.55E-03	8.06E-07	2.34E-07	2.25E-03	7.09E-07	2.06E-07
2923	486324.61, 3855740.57	2.25E-03	7.10E-07	2.07E-07	2.76E-03	8.70E-07	2.53E-07	2.42E-03	7.65E-07	2.23E-07
2924	486374.61, 3855740.57	2.10E-03	6.63E-07	1.93E-07	2.57E-03	8.12E-07	2.36E-07	2.26E-03	7.15E-07	2.08E-07
2925	486424.61, 3855740.57	2.01E-03	6.34E-07	1.84E-07	2.46E-03	7.77E-07	2.26E-07	2.17E-03	6.83E-07	1.99E-07
2926	486324.61, 3855790.57	2.36E-03	7.46E-07	2.17E-07	2.90E-03	9.14E-07	2.66E-07	2.55E-03	8.05E-07	2.34E-07
2927	486374.61, 3855790.57	2.21E-03	6.98E-07	2.03E-07	2.71E-03	8.55E-07	2.49E-07	2.38E-03	7.53E-07	2.19E-07
2928	486424.61, 3855790.57	2.13E-03	6.73E-07	1.96E-07	2.61E-03	8.24E-07	2.40E-07	2.30E-03	7.25E-07	2.11E-07
2929	486324.61, 3855840.57	2.49E-03	7.86E-07	2.28E-07	3.05E-03	9.62E-07	2.80E-07	2.68E-03	8.47E-07	2.46E-07
2930	486374.61, 3855840.57	2.38E-03	7.51E-07	2.18E-07	2.91E-03	9.20E-07	2.68E-07	2.57E-03	8.10E-07	2.36E-07
2931	486424.61, 3855840.57	2.27E-03	7.15E-07	2.08E-07	2.77E-03	8.76E-07	2.55E-07	2.44E-03	7.71E-07	2.24E-07
2932	486324.61, 3855890.57	2.69E-03	8.49E-07	2.47E-07	3.30E-03	1.04E-06	3.03E-07	2.90E-03	9.16E-07	2.66E-07
2933	486374.61, 3855890.57	2.56E-03	8.07E-07	2.35E-07	3.13E-03	9.88E-07	2.87E-07	2.76E-03	8.70E-07	2.53E-07
2934	486424.61, 3855890.57	2.42E-03	7.64E-07	2.22E-07	2.96E-03	9.35E-07	2.72E-07	2.61E-03	8.24E-07	2.40E-07
2935	488735.69, 3858285.64	1.06E-03	3.33E-07	9.69E-08	1.29E-03	4.08E-07	1.19E-07	1.14E-03	3.59E-07	1.04E-07
2936	488765.69, 3858285.64	1.03E-03	3.25E-07	9.46E-08	1.26E-03	3.98E-07	1.16E-07	1.11E-03	3.50E-07	1.02E-07
2937	488735.69, 3858315.64	1.08E-03	3.39E-07	9.87E-08	1.32E-03	4.16E-07	1.21E-07	1.16E-03	3.65E-07	1.06E-07
2938	488765.69, 3858315.64	1.05E-03	3.31E-07	9.62E-08	1.28E-03	4.05E-07	1.18E-07	1.13E-03	3.56E-07	1.04E-07
2939	478676.63, 3849871.93	2.61E-05	8.24E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.81E-05	8.86E-09	2.58E-09
2940	479326.63, 3849871.93	3.21E-05	1.01E-08	2.95E-09	3.94E-05	1.24E-08	3.61E-09	3.45E-05	1.09E-08	3.17E-09

2941	479376.63, 3849871.93	3.24E-05	1.02E-08	2.98E-09	3.97E-05	1.25E-08	3.65E-09	3.48E-05	1.10E-08	3.20E-09
2942	479426.63, 3849871.93	3.28E-05	1.04E-08	3.01E-09	4.02E-05	1.27E-08	3.69E-09	3.52E-05	1.11E-08	3.24E-09
2943	478726.63, 3849921.93	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.02E-09	2.62E-09
2944	478776.63, 3849921.93	2.71E-05	8.54E-09	2.48E-09	3.32E-05	1.05E-08	3.04E-09	2.91E-05	9.18E-09	2.67E-09
2945	478826.63, 3849921.93	2.75E-05	8.69E-09	2.53E-09	3.37E-05	1.07E-08	3.10E-09	2.96E-05	9.34E-09	2.72E-09
2946	478976.63, 3849921.93	2.90E-05	9.16E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.86E-09
2947	479026.63, 3849921.93	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
2948	479076.63, 3849921.93	3.03E-05	9.56E-09	2.78E-09	3.71E-05	1.17E-08	3.41E-09	3.25E-05	1.03E-08	2.99E-09
2949	479126.63, 3849921.93	3.08E-05	9.73E-09	2.83E-09	3.77E-05	1.19E-08	3.47E-09	3.31E-05	1.04E-08	3.04E-09
2950	479176.63, 3849921.93	3.14E-05	9.91E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.37E-05	1.07E-08	3.10E-09
2951	479226.63, 3849921.93	3.17E-05	1.00E-08	2.91E-09	3.89E-05	1.23E-08	3.57E-09	3.41E-05	1.08E-08	3.13E-09
2952	479276.63, 3849921.93	3.17E-05	1.00E-08	2.91E-09	3.89E-05	1.23E-08	3.57E-09	3.41E-05	1.08E-08	3.13E-09
2953	479326.63, 3849921.93	3.27E-05	1.03E-08	3.00E-09	4.01E-05	1.26E-08	3.68E-09	3.51E-05	1.11E-08	3.22E-09
2954	479376.63, 3849921.93	3.27E-05	1.03E-08	3.00E-09	4.00E-05	1.26E-08	3.67E-09	3.51E-05	1.11E-08	3.22E-09
2955	479426.63, 3849921.93	3.33E-05	1.05E-08	3.06E-09	4.08E-05	1.29E-08	3.75E-09	3.58E-05	1.13E-08	3.29E-09
2956	478726.63, 3849971.93	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.01E-09	2.62E-09
2957	478776.63, 3849971.93	2.70E-05	8.53E-09	2.48E-09	3.31E-05	1.05E-08	3.04E-09	2.91E-05	9.17E-09	2.67E-09
2958	478826.63, 3849971.93	2.75E-05	8.68E-09	2.52E-09	3.37E-05	1.06E-08	3.09E-09	2.95E-05	9.33E-09	2.71E-09
2959	478976.63, 3849971.93	2.92E-05	9.22E-09	2.68E-09	3.58E-05	1.13E-08	3.28E-09	3.14E-05	9.91E-09	2.88E-09
2960	479026.63, 3849971.93	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
2961	479076.63, 3849971.93	3.02E-05	9.54E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.25E-05	1.02E-08	2.98E-09
2962	479126.63, 3849971.93	3.08E-05	9.72E-09	2.83E-09	3.77E-05	1.19E-08	3.46E-09	3.31E-05	1.04E-08	3.04E-09
2963	479176.63, 3849971.93	3.14E-05	9.90E-09	2.88E-09	3.84E-05	1.21E-08	3.53E-09	3.37E-05	1.06E-08	3.09E-09
2964	479226.63, 3849971.93	3.13E-05	9.87E-09	2.87E-09	3.83E-05	1.21E-08	3.52E-09	3.36E-05	1.06E-08	3.08E-09
2965	479276.63, 3849971.93	3.22E-05	1.02E-08	2.96E-09	3.95E-05	1.25E-08	3.62E-09	3.46E-05	1.09E-08	3.18E-09
2966	479326.63, 3849971.93	3.30E-05	1.04E-08	3.03E-09	4.04E-05	1.28E-08	3.71E-09	3.54E-05	1.12E-08	3.25E-09
2967	479376.63, 3849971.93	3.30E-05	1.04E-08	3.03E-09	4.05E-05	1.28E-08	3.72E-09	3.55E-05	1.12E-08	3.26E-09
2968	479426.63, 3849971.93	3.36E-05	1.06E-08	3.08E-09	4.11E-05	1.30E-08	3.78E-09	3.61E-05	1.14E-08	3.31E-09
2969	478726.63, 3850021.93	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.02E-09	2.62E-09
2970	478776.63, 3850021.93	2.70E-05	8.52E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.16E-09	2.66E-09
2971	478826.63, 3850021.93	2.75E-05	8.67E-09	2.52E-09	3.37E-05	1.06E-08	3.09E-09	2.95E-05	9.32E-09	2.71E-09
2972	478976.63, 3850021.93	2.92E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.89E-09	2.88E-09
2973	478726.63, 3850071.93	2.66E-05	8.41E-09	2.45E-09	3.26E-05	1.03E-08	3.00E-09	2.86E-05	9.04E-09	2.63E-09
2974	478776.63, 3850071.93	2.71E-05	8.54E-09	2.48E-09	3.31E-05	1.05E-08	3.04E-09	2.91E-05	9.18E-09	2.67E-09
2975	478826.63, 3850071.93	2.75E-05	8.68E-09	2.53E-09	3.37E-05	1.06E-08	3.09E-09	2.96E-05	9.33E-09	2.71E-09
2976	478876.63, 3850071.93	2.80E-05	8.84E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.50E-09	2.76E-09
2977	478976.63, 3850071.93	2.91E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.88E-09	2.87E-09
2978	478726.63, 3850121.93	2.67E-05	8.44E-09	2.46E-09	3.28E-05	1.03E-08	3.01E-09	2.87E-05	9.07E-09	2.64E-09
2979	478776.63, 3850121.93	2.72E-05	8.58E-09	2.50E-09	3.33E-05	1.05E-08	3.06E-09	2.92E-05	9.22E-09	2.68E-09
2980	478826.63, 3850121.93	2.76E-05	8.71E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.97E-05	9.36E-09	2.72E-09
2981	478876.63, 3850121.93	2.80E-05	8.85E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.51E-09	2.77E-09
2982	478976.63, 3850121.93	2.92E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.89E-09	2.88E-09
2983	479026.63, 3850121.93	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
2984	479076.63, 3850121.93	3.02E-05	9.54E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.25E-05	1.03E-08	2.98E-09
2985	479126.63, 3850121.93	3.08E-05	9.71E-09	2.82E-09	3.77E-05	1.19E-08	3.46E-09	3.31E-05	1.04E-08	3.03E-09
2986	478776.63, 3850171.93	2.73E-05	8.60E-09	2.50E-09	3.34E-05	1.05E-08	3.06E-09	2.93E-05	9.24E-09	2.69E-09
2987	478826.63, 3850171.93	2.76E-05	8.73E-09	2.54E-09	3.39E-05	1.07E-08	3.11E-09	2.97E-05	9.38E-09	2.73E-09
2988	478876.63, 3850171.93	2.81E-05	8.86E-09	2.58E-09	3.44E-05	1.09E-08	3.16E-09	3.02E-05	9.52E-09	2.77E-09
2989	478976.63, 3850171.93	2.92E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.89E-09	2.88E-09
2990	479026.63, 3850171.93	2.97E-05	9.39E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.20E-05	1.01E-08	2.93E-09
2991	479076.63, 3850171.93	3.03E-05	9.55E-09	2.78E-09	3.71E-05	1.17E-08	3.40E-09	3.25E-05	1.03E-08	2.98E-09
2992	479126.63, 3850171.93	3.08E-05	9.72E-09	2.83E-09	3.77E-05	1.19E-08	3.46E-09	3.31E-05	1.04E-08	3.04E-09
2993	479176.63, 3850171.93	3.14E-05	9.91E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.37E-05	1.07E-08	3.10E-09
2994	479226.63, 3850171.93	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
2995	479276.63, 3850171.93	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.54E-05	1.12E-08	3.25E-09
2996	479326.63, 3850171.93	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.30E-09
2997	479376.63, 3850171.93	3.39E-05	1.07E-08	3.11E-09	4.15E-05	1.31E-08	3.81E-09	3.64E-05	1.15E-08	3.34E-09
2998	478676.63, 3850221.93	2.66E-05	8.39E-09	2.44E-09	3.25E-05	1.03E-08	2.99E-09	2.86E-05	9.01E-09	2.62E-09
2999	478726.63, 3850221.93	2.70E-05	8.51E-09	2.48E-09	3.30E-05	1.04E-08	3.03E-09	2.90E-05	9.15E-09	2.66E-09
3000	478976.63, 3850221.93	2.92E-05	9.22E-09	2.68E-09	3.58E-05	1.13E-08	3.29E-09	3.14E-05	9.91E-09	2.88E-09
3001	479026.63, 3850221.93	2.98E-05	9.39E-09	2.73E-09	3.65E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.94E-09
3002	479076.63, 3850221.93	3.03E-05	9.56E-09	2.78E-09	3.71E-05	1.17E-08	3.41E-09	3.25E-05	1.03E-08	2.99E-09
3003	479126.63, 3850221.93	3.08E-05	9.73E-09	2.83E-09	3.78E-05	1.19E-08	3.47E-09	3.31E-05	1.05E-08	3.04E-09
3004	479176.63, 3850221.93	3.15E-05	9.94E-09	2.89E-09	3.86E-05	1.22E-08	3.54E-09	3.39E-05	1.07E-08	3.11E-09

3005	479226.63, 3850221.93	3.22E-05	1.02E-08	2.96E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.18E-09
3006	479276.63, 3850221.93	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.53E-05	1.11E-08	3.24E-09
3007	479326.63, 3850221.93	3.34E-05	1.05E-08	3.06E-09	4.09E-05	1.29E-08	3.75E-09	3.59E-05	1.13E-08	3.29E-09
3008	479376.63, 3850221.93	3.39E-05	1.07E-08	3.12E-09	4.16E-05	1.31E-08	3.82E-09	3.65E-05	1.15E-08	3.35E-09
3009	478676.63, 3850271.93	2.68E-05	8.45E-09	2.46E-09	3.28E-05	1.04E-08	3.01E-09	2.88E-05	9.08E-09	2.64E-09
3010	478726.63, 3850271.93	2.71E-05	8.57E-09	2.49E-09	3.33E-05	1.05E-08	3.05E-09	2.92E-05	9.21E-09	2.68E-09
3011	478976.63, 3850271.93	2.92E-05	9.23E-09	2.68E-09	3.58E-05	1.13E-08	3.29E-09	3.14E-05	9.92E-09	2.89E-09
3012	479026.63, 3850271.93	2.98E-05	9.40E-09	2.74E-09	3.65E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.94E-09
3013	479076.63, 3850271.93	3.03E-05	9.57E-09	2.78E-09	3.71E-05	1.17E-08	3.41E-09	3.26E-05	1.03E-08	2.99E-09
3014	479126.63, 3850271.93	3.09E-05	9.75E-09	2.84E-09	3.78E-05	1.19E-08	3.47E-09	3.32E-05	1.05E-08	3.05E-09
3015	479176.63, 3850271.93	3.15E-05	9.94E-09	2.89E-09	3.86E-05	1.22E-08	3.54E-09	3.38E-05	1.07E-08	3.11E-09
3016	479226.63, 3850271.93	3.21E-05	1.01E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.45E-05	1.09E-08	3.17E-09
3017	479276.63, 3850271.93	3.28E-05	1.03E-08	3.01E-09	4.01E-05	1.27E-08	3.68E-09	3.52E-05	1.11E-08	3.23E-09
3018	479326.63, 3850271.93	3.33E-05	1.05E-08	3.06E-09	4.08E-05	1.29E-08	3.75E-09	3.58E-05	1.13E-08	3.29E-09
3019	479376.63, 3850271.93	3.38E-05	1.07E-08	3.11E-09	4.14E-05	1.31E-08	3.80E-09	3.63E-05	1.15E-08	3.34E-09
3020	479053.24, 3850293.52	3.01E-05	9.50E-09	2.76E-09	3.69E-05	1.16E-08	3.39E-09	3.24E-05	1.02E-08	2.97E-09
3021	479103.24, 3850293.52	3.07E-05	9.68E-09	2.81E-09	3.76E-05	1.19E-08	3.45E-09	3.29E-05	1.04E-08	3.02E-09
3022	479153.24, 3850293.52	3.12E-05	9.85E-09	2.86E-09	3.82E-05	1.21E-08	3.51E-09	3.35E-05	1.06E-08	3.08E-09
3023	479203.24, 3850293.52	3.18E-05	1.01E-08	2.92E-09	3.90E-05	1.23E-08	3.58E-09	3.42E-05	1.08E-08	3.14E-09
3024	479253.24, 3850293.52	3.25E-05	1.03E-08	2.98E-09	3.98E-05	1.26E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
3025	479303.24, 3850293.52	3.30E-05	1.04E-08	3.03E-09	4.04E-05	1.28E-08	3.71E-09	3.55E-05	1.12E-08	3.26E-09
3026	479353.24, 3850293.52	3.36E-05	1.06E-08	3.08E-09	4.11E-05	1.30E-08	3.77E-09	3.61E-05	1.14E-08	3.31E-09
3027	479153.24, 3850343.52	3.13E-05	9.86E-09	2.87E-09	3.83E-05	1.21E-08	3.51E-09	3.36E-05	1.06E-08	3.08E-09
3028	479203.24, 3850343.52	3.18E-05	1.01E-08	2.92E-09	3.90E-05	1.23E-08	3.58E-09	3.42E-05	1.08E-08	3.14E-09
3029	479253.24, 3850343.52	3.24E-05	1.02E-08	2.97E-09	3.97E-05	1.25E-08	3.64E-09	3.48E-05	1.10E-08	3.19E-09
3030	479303.24, 3850343.52	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.54E-05	1.12E-08	3.25E-09
3031	479353.24, 3850343.52	3.34E-05	1.06E-08	3.07E-09	4.10E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.30E-09
3032	479203.24, 3850393.52	3.18E-05	1.00E-08	2.92E-09	3.89E-05	1.23E-08	3.57E-09	3.42E-05	1.08E-08	3.14E-09
3033	479253.24, 3850393.52	3.23E-05	1.02E-08	2.97E-09	3.96E-05	1.25E-08	3.64E-09	3.47E-05	1.10E-08	3.19E-09
3034	479303.24, 3850393.52	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.53E-05	1.11E-08	3.24E-09
3035	479353.24, 3850393.52	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.29E-09
3036	479403.24, 3850393.52	3.39E-05	1.07E-08	3.12E-09	4.16E-05	1.31E-08	3.82E-09	3.65E-05	1.15E-08	3.35E-09
3037	479453.24, 3850393.52	3.45E-05	1.09E-08	3.16E-09	4.22E-05	1.33E-08	3.88E-09	3.70E-05	1.17E-08	3.40E-09
3038	479503.24, 3850393.52	3.49E-05	1.10E-08	3.21E-09	4.28E-05	1.35E-08	3.93E-09	3.75E-05	1.18E-08	3.45E-09
3039	479303.24, 3850443.52	3.28E-05	1.03E-08	3.01E-09	4.01E-05	1.27E-08	3.68E-09	3.52E-05	1.11E-08	3.23E-09
3040	479353.24, 3850443.52	3.33E-05	1.05E-08	3.06E-09	4.08E-05	1.29E-08	3.74E-09	3.58E-05	1.13E-08	3.28E-09
3041	479403.24, 3850443.52	3.38E-05	1.07E-08	3.10E-09	4.14E-05	1.31E-08	3.80E-09	3.63E-05	1.15E-08	3.33E-09
3042	479453.24, 3850443.52	3.43E-05	1.08E-08	3.15E-09	4.20E-05	1.33E-08	3.86E-09	3.69E-05	1.16E-08	3.38E-09
3043	479503.24, 3850443.52	3.48E-05	1.10E-08	3.19E-09	4.26E-05	1.34E-08	3.91E-09	3.74E-05	1.18E-08	3.43E-09
3044	480327.18, 3850987.04	4.60E-05	1.45E-08	4.22E-09	5.63E-05	1.78E-08	5.17E-09	4.94E-05	1.56E-08	4.53E-09
3045	480377.18, 3850987.04	4.66E-05	1.47E-08	4.28E-09	5.71E-05	1.80E-08	5.24E-09	5.00E-05	1.58E-08	4.59E-09
3046	480427.18, 3850987.04	4.72E-05	1.49E-08	4.33E-09	5.78E-05	1.82E-08	5.31E-09	5.07E-05	1.60E-08	4.65E-09
3047	480477.18, 3850987.04	4.77E-05	1.51E-08	4.38E-09	5.84E-05	1.84E-08	5.36E-09	5.12E-05	1.62E-08	4.70E-09
3048	480327.18, 3851037.04	4.60E-05	1.45E-08	4.22E-09	5.64E-05	1.78E-08	5.17E-09	4.94E-05	1.56E-08	4.54E-09
3049	480377.18, 3851037.04	4.67E-05	1.47E-08	4.29E-09	5.72E-05	1.81E-08	5.25E-09	5.02E-05	1.58E-08	4.61E-09
3050	480427.18, 3851037.04	4.74E-05	1.49E-08	4.35E-09	5.80E-05	1.83E-08	5.33E-09	5.09E-05	1.61E-08	4.67E-09
3051	480477.18, 3851037.04	4.80E-05	1.51E-08	4.40E-09	5.88E-05	1.85E-08	5.39E-09	5.15E-05	1.63E-08	4.73E-09
3052	480622.06, 3851087.39	4.98E-05	1.57E-08	4.57E-09	6.10E-05	1.93E-08	5.60E-09	5.35E-05	1.69E-08	4.91E-09
3053	480672.06, 3851087.39	5.03E-05	1.59E-08	4.62E-09	6.16E-05	1.94E-08	5.65E-09	5.40E-05	1.71E-08	4.96E-09
3054	480622.06, 3851137.39	5.02E-05	1.58E-08	4.61E-09	6.15E-05	1.94E-08	5.64E-09	5.39E-05	1.70E-08	4.95E-09
3055	480672.06, 3851137.39	5.07E-05	1.60E-08	4.65E-09	6.21E-05	1.96E-08	5.70E-09	5.45E-05	1.72E-08	5.00E-09
3056	480722.06, 3851137.39	5.12E-05	1.62E-08	4.70E-09	6.27E-05	1.98E-08	5.76E-09	5.50E-05	1.74E-08	5.05E-09
3057	480622.06, 3851187.39	5.04E-05	1.59E-08	4.63E-09	6.18E-05	1.95E-08	5.67E-09	5.42E-05	1.71E-08	4.97E-09
3058	480672.06, 3851187.39	5.10E-05	1.61E-08	4.69E-09	6.25E-05	1.97E-08	5.74E-09	5.48E-05	1.73E-08	5.03E-09
3059	480722.06, 3851187.39	5.16E-05	1.63E-08	4.74E-09	6.32E-05	1.99E-08	5.80E-09	5.54E-05	1.75E-08	5.09E-09
3060	471363.09, 3845877.25	7.13E-06	2.25E-09	6.54E-10	8.73E-06	2.76E-09	8.01E-10	7.65E-06	2.42E-09	7.03E-10
3061	471863.09, 3845877.25	6.83E-06	2.16E-09	6.27E-10	8.37E-06	2.64E-09	7.68E-10	7.34E-06	2.32E-09	6.73E-10
3062	472363.09, 3845877.25	7.44E-06	2.35E-09	6.83E-10	9.11E-06	2.88E-09	8.36E-10	7.99E-06	2.52E-09	7.33E-10
3063	472863.09, 3845877.25	6.26E-06	1.98E-09	5.75E-10	7.67E-06	2.42E-09	7.04E-10	6.72E-06	2.12E-09	6.17E-10
3064	473363.09, 3845877.25	6.12E-06	1.93E-09	5.62E-10	7.49E-06	2.36E-09	6.88E-10	6.57E-06	2.07E-09	6.03E-10
3065	473863.09, 3845877.25	6.42E-06	2.02E-09	5.89E-10	7.86E-06	2.48E-09	7.21E-10	6.89E-06	2.17E-09	6.33E-10
3066	474363.09, 3845877.25	7.59E-06	2.40E-09	6.97E-10	9.30E-06	2.94E-09	8.54E-10	8.16E-06	2.57E-09	7.49E-10
3067	474863.09, 3845877.25	9.63E-06	3.04E-09	8.84E-10	1.18E-05	3.72E-09	1.08E-09	1.03E-05	3.26E-09	9.49E-10
3068	475363.09, 3845877.25	1.22E-05	3.84E-09	1.12E-09	1.49E-05	4.71E-09	1.37E-09	1.31E-05	4.13E-09	1.20E-09

3069	475863.09, 3845877.25	1.27E-05	4.00E-09	1.16E-09	1.55E-05	4.90E-09	1.43E-09	1.36E-05	4.30E-09	1.25E-09
3070	476363.09, 3845877.25	1.17E-05	3.71E-09	1.08E-09	1.44E-05	4.54E-09	1.32E-09	1.26E-05	3.98E-09	1.16E-09
3071	476863.09, 3845877.25	1.06E-05	3.34E-09	9.72E-10	1.30E-05	4.09E-09	1.19E-09	1.14E-05	3.59E-09	1.04E-09
3072	477363.09, 3845877.25	8.88E-06	2.80E-09	8.16E-10	1.09E-05	3.43E-09	9.99E-10	9.54E-06	3.01E-09	8.76E-10
3073	477863.09, 3845877.25	7.72E-06	2.44E-09	7.09E-10	9.46E-06	2.99E-09	8.68E-10	8.29E-06	2.62E-09	7.61E-10
3074	478363.09, 3845877.25	7.44E-06	2.35E-09	6.83E-10	9.11E-06	2.88E-09	8.37E-10	8.00E-06	2.52E-09	7.34E-10
3075	478863.09, 3845877.25	7.13E-06	2.25E-09	6.55E-10	8.74E-06	2.76E-09	8.02E-10	7.66E-06	2.42E-09	7.03E-10
3076	479363.09, 3845877.25	6.87E-06	2.17E-09	6.31E-10	8.41E-06	2.66E-09	7.73E-10	7.38E-06	2.33E-09	6.77E-10
3077	479863.09, 3845877.25	6.64E-06	2.10E-09	6.10E-10	8.13E-06	2.57E-09	7.47E-10	7.13E-06	2.25E-09	6.55E-10
3078	480363.09, 3845877.25	5.60E-06	1.77E-09	5.14E-10	6.86E-06	2.17E-09	6.30E-10	6.02E-06	1.90E-09	5.53E-10
3079	480863.09, 3845877.25	5.06E-06	1.60E-09	4.65E-10	6.20E-06	1.96E-09	5.69E-10	5.44E-06	1.72E-09	4.99E-10
3080	481363.09, 3845877.25	4.67E-06	1.48E-09	4.29E-10	5.73E-06	1.81E-09	5.26E-10	5.02E-06	1.58E-09	4.61E-10
3081	481863.09, 3845877.25	4.19E-06	1.32E-09	3.84E-10	5.13E-06	1.62E-09	4.71E-10	4.50E-06	1.42E-09	4.13E-10
3082	482363.09, 3845877.25	3.76E-06	1.19E-09	3.46E-10	4.61E-06	1.46E-09	4.23E-10	4.05E-06	1.28E-09	3.71E-10
3083	482863.09, 3845877.25	3.05E-06	9.63E-10	2.80E-10	3.74E-06	1.18E-09	3.43E-10	3.28E-06	1.03E-09	3.01E-10
3084	483363.09, 3845877.25	2.80E-06	8.84E-10	2.57E-10	3.43E-06	1.08E-09	3.15E-10	3.01E-06	9.49E-10	2.76E-10
3085	483863.09, 3845877.25	3.18E-06	1.00E-09	2.92E-10	3.90E-06	1.23E-09	3.58E-10	3.42E-06	1.08E-09	3.14E-10
3086	484363.09, 3845877.25	3.12E-06	9.86E-10	2.87E-10	3.82E-06	1.21E-09	3.51E-10	3.35E-06	1.06E-09	3.08E-10
3087	484863.09, 3845877.25	2.97E-06	9.36E-10	2.72E-10	3.63E-06	1.15E-09	3.34E-10	3.19E-06	1.01E-09	2.93E-10
3088	485363.09, 3845877.25	2.79E-06	8.82E-10	2.57E-10	3.42E-06	1.08E-09	3.14E-10	3.00E-06	9.47E-10	2.76E-10
3089	485863.09, 3845877.25	2.74E-06	8.65E-10	2.52E-10	3.36E-06	1.06E-09	3.08E-10	2.94E-06	9.29E-10	2.70E-10
3090	486363.09, 3845877.25	2.61E-06	8.24E-10	2.40E-10	3.20E-06	1.01E-09	2.94E-10	2.80E-06	8.85E-10	2.57E-10
3091	486863.09, 3845877.25	2.42E-06	7.64E-10	2.22E-10	2.97E-06	9.36E-10	2.72E-10	2.60E-06	8.21E-10	2.39E-10
3092	487363.09, 3845877.25	2.37E-06	7.47E-10	2.17E-10	2.90E-06	9.15E-10	2.66E-10	2.54E-06	8.02E-10	2.33E-10
3093	487863.09, 3845877.25	2.21E-06	6.97E-10	2.03E-10	2.71E-06	8.54E-10	2.48E-10	2.37E-06	7.49E-10	2.18E-10
3094	488363.09, 3845877.25	2.13E-06	6.71E-10	1.95E-10	2.61E-06	8.22E-10	2.39E-10	2.28E-06	7.21E-10	2.10E-10
3095	488863.09, 3845877.25	2.34E-06	7.40E-10	2.15E-10	2.87E-06	9.06E-10	2.64E-10	2.52E-06	7.95E-10	2.31E-10
3096	489363.09, 3845877.25	2.34E-06	7.38E-10	2.15E-10	2.87E-06	9.05E-10	2.63E-10	2.51E-06	7.93E-10	2.31E-10
3097	489863.09, 3845877.25	2.24E-06	7.08E-10	2.06E-10	2.75E-06	8.67E-10	2.52E-10	2.41E-06	7.60E-10	2.21E-10
3098	490363.09, 3845877.25	2.13E-06	6.73E-10	1.96E-10	2.61E-06	8.24E-10	2.40E-10	2.29E-06	7.22E-10	2.10E-10
3099	490863.09, 3845877.25	1.92E-06	6.07E-10	1.76E-10	2.35E-06	7.43E-10	2.16E-10	2.06E-06	6.51E-10	1.89E-10
3100	491363.09, 3845877.25	2.10E-06	6.64E-10	1.93E-10	2.58E-06	8.13E-10	2.37E-10	2.26E-06	7.12E-10	2.07E-10
3101	491863.09, 3845877.25	2.26E-06	7.14E-10	2.08E-10	2.77E-06	8.74E-10	2.54E-10	2.43E-06	7.66E-10	2.23E-10
3102	492363.09, 3845877.25	2.14E-06	6.74E-10	1.96E-10	2.62E-06	8.26E-10	2.40E-10	2.29E-06	7.24E-10	2.11E-10
3103	492863.09, 3845877.25	2.45E-06	7.72E-10	2.25E-10	3.00E-06	9.46E-10	2.75E-10	2.63E-06	8.29E-10	2.41E-10
3104	493363.09, 3845877.25	2.64E-06	8.35E-10	2.43E-10	3.24E-06	1.02E-09	2.97E-10	2.84E-06	8.96E-10	2.61E-10
3105	493863.09, 3845877.25	2.88E-06	9.08E-10	2.64E-10	3.52E-06	1.11E-09	3.24E-10	3.09E-06	9.75E-10	2.84E-10
3106	494363.09, 3845877.25	3.07E-06	9.70E-10	2.82E-10	3.76E-06	1.19E-09	3.46E-10	3.30E-06	1.04E-09	3.03E-10
3107	494863.09, 3845877.25	3.25E-06	1.03E-09	2.98E-10	3.98E-06	1.26E-09	3.66E-10	3.49E-06	1.10E-09	3.21E-10
3108	495363.09, 3845877.25	3.49E-06	1.10E-09	3.20E-10	4.27E-06	1.35E-09	3.92E-10	3.74E-06	1.18E-09	3.44E-10
3109	495863.09, 3845877.25	3.75E-06	1.18E-09	3.44E-10	4.59E-06	1.45E-09	4.21E-10	4.02E-06	1.27E-09	3.69E-10
3110	496363.09, 3845877.25	4.03E-06	1.27E-09	3.70E-10	4.94E-06	1.56E-09	4.53E-10	4.33E-06	1.37E-09	3.97E-10
3111	496863.09, 3845877.25	4.25E-06	1.34E-09	3.90E-10	5.21E-06	1.64E-09	4.78E-10	4.56E-06	1.44E-09	4.19E-10
3112	497363.09, 3845877.25	4.47E-06	1.41E-09	4.10E-10	5.47E-06	1.73E-09	5.02E-10	4.79E-06	1.51E-09	4.40E-10
3113	497863.09, 3845877.25	4.74E-06	1.50E-09	4.35E-10	5.81E-06	1.83E-09	5.33E-10	5.09E-06	1.61E-09	4.67E-10
3114	498363.09, 3845877.25	5.00E-06	1.58E-09	4.59E-10	6.12E-06	1.93E-09	5.62E-10	5.37E-06	1.69E-09	4.93E-10
3115	471363.09, 3846377.25	1.07E-05	3.37E-09	9.81E-10	1.31E-05	4.13E-09	1.20E-09	1.15E-05	3.62E-09	1.05E-09
3116	471863.09, 3846377.25	9.95E-06	3.14E-09	9.13E-10	1.22E-05	3.85E-09	1.12E-09	1.07E-05	3.37E-09	9.81E-10
3117	472363.09, 3846377.25	7.40E-06	2.34E-09	6.80E-10	9.07E-06	2.86E-09	8.32E-10	7.95E-06	2.51E-09	7.30E-10
3118	472863.09, 3846377.25	7.50E-06	2.37E-09	6.88E-10	9.19E-06	2.90E-09	8.43E-10	8.05E-06	2.54E-09	7.39E-10
3119	473363.09, 3846377.25	7.40E-06	2.34E-09	6.79E-10	9.06E-06	2.86E-09	8.32E-10	7.95E-06	2.51E-09	7.30E-10
3120	473863.09, 3846377.25	7.45E-06	2.35E-09	6.84E-10	9.13E-06	2.88E-09	8.38E-10	8.00E-06	2.53E-09	7.35E-10
3121	474363.09, 3846377.25	7.77E-06	2.45E-09	7.13E-10	9.52E-06	3.00E-09	8.74E-10	8.34E-06	2.63E-09	7.66E-10
3122	474863.09, 3846377.25	9.01E-06	2.84E-09	8.27E-10	1.10E-05	3.48E-09	1.01E-09	9.68E-06	3.05E-09	8.88E-10
3123	475363.09, 3846377.25	1.12E-05	3.53E-09	1.03E-09	1.37E-05	4.32E-09	1.26E-09	1.20E-05	3.79E-09	1.10E-09
3124	475863.09, 3846377.25	1.39E-05	4.39E-09	1.28E-09	1.70E-05	5.38E-09	1.56E-09	1.49E-05	4.71E-09	1.37E-09
3125	476363.09, 3846377.25	1.39E-05	4.40E-09	1.28E-09	1.71E-05	5.39E-09	1.57E-09	1.50E-05	4.73E-09	1.38E-09
3126	476863.09, 3846377.25	1.29E-05	4.07E-09	1.18E-09	1.58E-05	4.98E-09	1.45E-09	1.38E-05	4.37E-09	1.27E-09
3127	477363.09, 3846377.25	1.16E-05	3.66E-09	1.07E-09	1.42E-05	4.49E-09	1.30E-09	1.25E-05	3.93E-09	1.14E-09
3128	477863.09, 3846377.25	9.45E-06	2.98E-09	8.67E-10	1.16E-05	3.65E-09	1.06E-09	1.01E-05	3.20E-09	9.32E-10
3129	478363.09, 3846377.25	8.55E-06	2.70E-09	7.85E-10	1.05E-05	3.30E-09	9.61E-10	9.18E-06	2.90E-09	8.43E-10
3130	478863.09, 3846377.25	8.55E-06	2.70E-09	7.85E-10	1.05E-05	3.30E-09	9.61E-10	9.18E-06	2.90E-09	8.43E-10
3131	479363.09, 3846377.25	8.20E-06	2.59E-09	7.53E-10	1.00E-05	3.17E-09	9.22E-10	8.81E-06	2.78E-09	8.08E-10
3132	479863.09, 3846377.25	7.42E-06	2.34E-09	6.81E-10	9.09E-06	2.87E-09	8.34E-10	7.97E-06	2.51E-09	7.31E-10

3133	480363.09, 3846377.25	7.27E-06	2.29E-09	6.67E-10	8.91E-06	2.81E-09	8.18E-10	7.81E-06	2.47E-09	7.17E-10
3134	480863.09, 3846377.25	5.96E-06	1.88E-09	5.47E-10	7.30E-06	2.30E-09	6.70E-10	6.40E-06	2.02E-09	5.88E-10
3135	481363.09, 3846377.25	5.61E-06	1.77E-09	5.15E-10	6.87E-06	2.17E-09	6.31E-10	6.02E-06	1.90E-09	5.53E-10
3136	481863.09, 3846377.25	4.99E-06	1.57E-09	4.58E-10	6.11E-06	1.93E-09	5.61E-10	5.36E-06	1.69E-09	4.92E-10
3137	482363.09, 3846377.25	4.29E-06	1.35E-09	3.94E-10	5.26E-06	1.66E-09	4.83E-10	4.61E-06	1.46E-09	4.24E-10
3138	482863.09, 3846377.25	3.64E-06	1.15E-09	3.34E-10	4.46E-06	1.41E-09	4.09E-10	3.91E-06	1.23E-09	3.59E-10
3139	483363.09, 3846377.25	3.82E-06	1.20E-09	3.50E-10	4.68E-06	1.48E-09	4.29E-10	4.10E-06	1.29E-09	3.76E-10
3140	483863.09, 3846377.25	3.65E-06	1.15E-09	3.35E-10	4.47E-06	1.41E-09	4.11E-10	3.92E-06	1.24E-09	3.60E-10
3141	484363.09, 3846377.25	3.26E-06	1.03E-09	2.99E-10	3.99E-06	1.26E-09	3.67E-10	3.50E-06	1.11E-09	3.22E-10
3142	484863.09, 3846377.25	3.49E-06	1.10E-09	3.21E-10	4.28E-06	1.35E-09	3.93E-10	3.75E-06	1.18E-09	3.45E-10
3143	485363.09, 3846377.25	3.42E-06	1.08E-09	3.14E-10	4.19E-06	1.32E-09	3.85E-10	3.67E-06	1.16E-09	3.37E-10
3144	485863.09, 3846377.25	3.09E-06	9.76E-10	2.84E-10	3.79E-06	1.20E-09	3.48E-10	3.32E-06	1.05E-09	3.05E-10
3145	486363.09, 3846377.25	2.61E-06	8.25E-10	2.40E-10	3.20E-06	1.01E-09	2.94E-10	2.81E-06	8.86E-10	2.58E-10
3146	486863.09, 3846377.25	2.50E-06	7.90E-10	2.30E-10	3.06E-06	9.67E-10	2.81E-10	2.69E-06	8.48E-10	2.47E-10
3147	487363.09, 3846377.25	2.52E-06	7.97E-10	2.32E-10	3.09E-06	9.76E-10	2.84E-10	2.71E-06	8.55E-10	2.49E-10
3148	487863.09, 3846377.25	2.70E-06	8.52E-10	2.48E-10	3.30E-06	1.04E-09	3.03E-10	2.90E-06	9.14E-10	2.66E-10
3149	488363.09, 3846377.25	2.62E-06	8.26E-10	2.40E-10	3.20E-06	1.01E-09	2.94E-10	2.81E-06	8.87E-10	2.58E-10
3150	488863.09, 3846377.25	2.62E-06	8.27E-10	2.41E-10	3.21E-06	1.01E-09	2.95E-10	2.81E-06	8.88E-10	2.58E-10
3151	489363.09, 3846377.25	2.57E-06	8.12E-10	2.36E-10	3.15E-06	9.95E-10	2.89E-10	2.76E-06	8.73E-10	2.54E-10
3152	489863.09, 3846377.25	2.48E-06	7.83E-10	2.28E-10	3.04E-06	9.59E-10	2.79E-10	2.66E-06	8.41E-10	2.45E-10
3153	490363.09, 3846377.25	2.23E-06	7.05E-10	2.05E-10	2.74E-06	8.63E-10	2.51E-10	2.40E-06	7.57E-10	2.20E-10
3154	490863.09, 3846377.25	2.18E-06	6.89E-10	2.00E-10	2.67E-06	8.44E-10	2.45E-10	2.34E-06	7.39E-10	2.15E-10
3155	491363.09, 3846377.25	2.24E-06	7.08E-10	2.06E-10	2.75E-06	8.67E-10	2.52E-10	2.41E-06	7.59E-10	2.21E-10
3156	491863.09, 3846377.25	2.51E-06	7.93E-10	2.31E-10	3.08E-06	9.72E-10	2.83E-10	2.70E-06	8.51E-10	2.48E-10
3157	492363.09, 3846377.25	2.54E-06	8.03E-10	2.34E-10	3.12E-06	9.84E-10	2.86E-10	2.73E-06	8.62E-10	2.51E-10
3158	492863.09, 3846377.25	2.67E-06	8.41E-10	2.45E-10	3.26E-06	1.03E-09	3.00E-10	2.86E-06	9.03E-10	2.63E-10
3159	493363.09, 3846377.25	2.98E-06	9.40E-10	2.73E-10	3.65E-06	1.15E-09	3.35E-10	3.20E-06	1.01E-09	2.94E-10
3160	493863.09, 3846377.25	3.23E-06	1.02E-09	2.97E-10	3.96E-06	1.25E-09	3.63E-10	3.47E-06	1.09E-09	3.18E-10
3161	494363.09, 3846377.25	3.47E-06	1.09E-09	3.18E-10	4.25E-06	1.34E-09	3.90E-10	3.72E-06	1.18E-09	3.42E-10
3162	494863.09, 3846377.25	3.70E-06	1.17E-09	3.40E-10	4.53E-06	1.43E-09	4.16E-10	3.98E-06	1.25E-09	3.65E-10
3163	495363.09, 3846377.25	3.96E-06	1.25E-09	3.64E-10	4.85E-06	1.53E-09	4.45E-10	4.25E-06	1.34E-09	3.90E-10
3164	495863.09, 3846377.25	4.29E-06	1.35E-09	3.94E-10	5.25E-06	1.66E-09	4.82E-10	4.60E-06	1.45E-09	4.23E-10
3165	496363.09, 3846377.25	4.61E-06	1.45E-09	4.23E-10	5.64E-06	1.78E-09	5.18E-10	4.95E-06	1.56E-09	4.54E-10
3166	496863.09, 3846377.25	4.94E-06	1.56E-09	4.53E-10	6.05E-06	1.91E-09	5.55E-10	5.30E-06	1.67E-09	4.87E-10
3167	497363.09, 3846377.25	5.25E-06	1.66E-09	4.82E-10	6.44E-06	2.03E-09	5.91E-10	5.64E-06	1.78E-09	5.18E-10
3168	497863.09, 3846377.25	5.55E-06	1.75E-09	5.10E-10	6.80E-06	2.15E-09	6.24E-10	5.96E-06	1.88E-09	5.47E-10
3169	498363.09, 3846377.25	5.83E-06	1.84E-09	5.35E-10	7.14E-06	2.25E-09	6.56E-10	6.26E-06	1.98E-09	5.75E-10
3170	471363.09, 3846877.25	1.17E-05	3.69E-09	1.07E-09	1.43E-05	4.52E-09	1.31E-09	1.25E-05	3.96E-09	1.15E-09
3171	471863.09, 3846877.25	1.18E-05	3.72E-09	1.08E-09	1.44E-05	4.55E-09	1.32E-09	1.26E-05	3.99E-09	1.16E-09
3172	472363.09, 3846877.25	1.14E-05	3.59E-09	1.04E-09	1.39E-05	4.40E-09	1.28E-09	1.22E-05	3.86E-09	1.12E-09
3173	472863.09, 3846877.25	7.94E-06	2.50E-09	7.29E-10	9.72E-06	3.07E-09	8.92E-10	8.52E-06	2.69E-09	7.82E-10
3174	473363.09, 3846877.25	8.66E-06	2.73E-09	7.95E-10	1.06E-05	3.35E-09	9.74E-10	9.30E-06	2.93E-09	8.54E-10
3175	473863.09, 3846877.25	9.23E-06	2.91E-09	8.47E-10	1.13E-05	3.57E-09	1.04E-09	9.91E-06	3.13E-09	9.10E-10
3176	474363.09, 3846877.25	8.75E-06	2.76E-09	8.03E-10	1.07E-05	3.38E-09	9.84E-10	9.40E-06	2.97E-09	8.63E-10
3177	474863.09, 3846877.25	8.77E-06	2.77E-09	8.05E-10	1.07E-05	3.39E-09	9.86E-10	9.42E-06	2.97E-09	8.65E-10
3178	475363.09, 3846877.25	9.56E-06	3.02E-09	8.78E-10	1.17E-05	3.70E-09	1.07E-09	1.03E-05	3.24E-09	9.43E-10
3179	475863.09, 3846877.25	1.25E-05	3.94E-09	1.15E-09	1.53E-05	4.83E-09	1.40E-09	1.34E-05	4.23E-09	1.23E-09
3180	476363.09, 3846877.25	1.52E-05	4.81E-09	1.40E-09	1.87E-05	5.89E-09	1.71E-09	1.64E-05	5.17E-09	1.50E-09
3181	476863.09, 3846877.25	1.53E-05	4.84E-09	1.41E-09	1.88E-05	5.93E-09	1.72E-09	1.65E-05	5.20E-09	1.51E-09
3182	477363.09, 3846877.25	1.43E-05	4.50E-09	1.31E-09	1.75E-05	5.52E-09	1.61E-09	1.53E-05	4.84E-09	1.41E-09
3183	477863.09, 3846877.25	1.24E-05	3.92E-09	1.14E-09	1.52E-05	4.80E-09	1.40E-09	1.33E-05	4.21E-09	1.22E-09
3184	478363.09, 3846877.25	1.05E-05	3.33E-09	9.68E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.57E-09	1.04E-09
3185	478863.09, 3846877.25	1.01E-05	3.20E-09	9.30E-10	1.24E-05	3.92E-09	1.14E-09	1.09E-05	3.44E-09	1.00E-09
3186	479363.09, 3846877.25	9.73E-06	3.07E-09	8.93E-10	1.19E-05	3.76E-09	1.09E-09	1.04E-05	3.30E-09	9.59E-10
3187	479863.09, 3846877.25	7.59E-06	2.40E-09	6.97E-10	9.30E-06	2.93E-09	8.54E-10	8.15E-06	2.57E-09	7.48E-10
3188	480363.09, 3846877.25	6.38E-06	2.01E-09	5.86E-10	7.82E-06	2.47E-09	7.18E-10	6.86E-06	2.16E-09	6.30E-10
3189	480863.09, 3846877.25	5.78E-06	1.83E-09	5.31E-10	7.08E-06	2.24E-09	6.50E-10	6.21E-06	1.96E-09	5.70E-10
3190	481363.09, 3846877.25	5.87E-06	1.85E-09	5.39E-10	7.19E-06	2.27E-09	6.60E-10	6.31E-06	1.99E-09	5.79E-10
3191	481863.09, 3846877.25	5.62E-06	1.77E-09	5.16E-10	6.89E-06	2.17E-09	6.32E-10	6.04E-06	1.91E-09	5.54E-10
3192	482363.09, 3846877.25	4.63E-06	1.46E-09	4.25E-10	5.67E-06	1.79E-09	5.21E-10	4.98E-06	1.57E-09	4.57E-10
3193	482863.09, 3846877.25	4.52E-06	1.43E-09	4.15E-10	5.53E-06	1.75E-09	5.08E-10	4.85E-06	1.53E-09	4.45E-10
3194	483363.09, 3846877.25	4.44E-06	1.40E-09	4.08E-10	5.44E-06	1.72E-09	5.00E-10	4.77E-06	1.51E-09	4.38E-10
3195	483863.09, 3846877.25	4.22E-06	1.33E-09	3.87E-10	5.17E-06	1.63E-09	4.75E-10	4.53E-06	1.43E-09	4.16E-10
3196	484363.09, 3846877.25	4.07E-06	1.28E-09	3.74E-10	4.98E-06	1.57E-09	4.58E-10	4.37E-06	1.38E-09	4.01E-10

3197	484863.09, 3846877.25	3.90E-06	1.23E-09	3.58E-10	4.78E-06	1.51E-09	4.39E-10	4.19E-06	1.32E-09	3.85E-10
3198	485363.09, 3846877.25	3.83E-06	1.21E-09	3.52E-10	4.69E-06	1.48E-09	4.31E-10	4.11E-06	1.30E-09	3.78E-10
3199	485863.09, 3846877.25	3.50E-06	1.11E-09	3.22E-10	4.29E-06	1.35E-09	3.94E-10	3.76E-06	1.19E-09	3.46E-10
3200	486363.09, 3846877.25	3.53E-06	1.12E-09	3.24E-10	4.33E-06	1.37E-09	3.97E-10	3.80E-06	1.20E-09	3.49E-10
3201	486863.09, 3846877.25	3.09E-06	9.76E-10	2.84E-10	3.79E-06	1.19E-09	3.48E-10	3.32E-06	1.05E-09	3.05E-10
3202	487363.09, 3846877.25	3.11E-06	9.83E-10	2.86E-10	3.82E-06	1.20E-09	3.50E-10	3.35E-06	1.06E-09	3.07E-10
3203	487863.09, 3846877.25	3.01E-06	9.50E-10	2.76E-10	3.69E-06	1.16E-09	3.38E-10	3.23E-06	1.02E-09	2.97E-10
3204	488363.09, 3846877.25	2.91E-06	9.19E-10	2.67E-10	3.57E-06	1.13E-09	3.27E-10	3.13E-06	9.87E-10	2.87E-10
3205	488863.09, 3846877.25	2.91E-06	9.19E-10	2.67E-10	3.57E-06	1.13E-09	3.28E-10	3.13E-06	9.87E-10	2.87E-10
3206	489363.09, 3846877.25	2.89E-06	9.11E-10	2.65E-10	3.53E-06	1.12E-09	3.25E-10	3.10E-06	9.79E-10	2.85E-10
3207	489863.09, 3846877.25	2.82E-06	8.89E-10	2.59E-10	3.45E-06	1.09E-09	3.17E-10	3.03E-06	9.55E-10	2.78E-10
3208	490363.09, 3846877.25	2.59E-06	8.18E-10	2.38E-10	3.18E-06	1.00E-09	2.92E-10	2.78E-06	8.78E-10	2.55E-10
3209	490863.09, 3846877.25	2.60E-06	8.21E-10	2.39E-10	3.18E-06	1.01E-09	2.92E-10	2.79E-06	8.80E-10	2.56E-10
3210	491363.09, 3846877.25	2.67E-06	8.44E-10	2.45E-10	3.27E-06	1.03E-09	3.01E-10	2.87E-06	9.06E-10	2.63E-10
3211	491863.09, 3846877.25	2.66E-06	8.41E-10	2.45E-10	3.26E-06	1.03E-09	3.00E-10	2.86E-06	9.03E-10	2.63E-10
3212	492363.09, 3846877.25	3.04E-06	9.59E-10	2.79E-10	3.72E-06	1.17E-09	3.42E-10	3.26E-06	1.03E-09	3.00E-10
3213	492863.09, 3846877.25	3.22E-06	1.02E-09	2.95E-10	3.94E-06	1.24E-09	3.62E-10	3.45E-06	1.09E-09	3.17E-10
3214	493363.09, 3846877.25	3.49E-06	1.10E-09	3.20E-10	4.27E-06	1.35E-09	3.92E-10	3.75E-06	1.18E-09	3.44E-10
3215	493863.09, 3846877.25	3.72E-06	1.17E-09	3.42E-10	4.56E-06	1.44E-09	4.19E-10	4.00E-06	1.26E-09	3.67E-10
3216	494363.09, 3846877.25	3.92E-06	1.24E-09	3.60E-10	4.80E-06	1.51E-09	4.41E-10	4.21E-06	1.33E-09	3.86E-10
3217	494863.09, 3846877.25	4.20E-06	1.32E-09	3.85E-10	5.14E-06	1.62E-09	4.72E-10	4.51E-06	1.42E-09	4.14E-10
3218	495363.09, 3846877.25	4.47E-06	1.41E-09	4.10E-10	5.47E-06	1.73E-09	5.02E-10	4.79E-06	1.51E-09	4.40E-10
3219	495863.09, 3846877.25	4.77E-06	1.50E-09	4.38E-10	5.84E-06	1.84E-09	5.36E-10	5.12E-06	1.62E-09	4.70E-10
3220	496363.09, 3846877.25	5.10E-06	1.61E-09	4.68E-10	6.25E-06	1.97E-09	5.74E-10	5.47E-06	1.73E-09	5.03E-10
3221	496863.09, 3846877.25	5.51E-06	1.74E-09	5.06E-10	6.75E-06	2.13E-09	6.20E-10	5.92E-06	1.87E-09	5.43E-10
3222	497363.09, 3846877.25	6.07E-06	1.91E-09	5.57E-10	7.43E-06	2.35E-09	6.82E-10	6.51E-06	2.06E-09	5.98E-10
3223	497863.09, 3846877.25	6.58E-06	2.08E-09	6.04E-10	8.06E-06	2.54E-09	7.40E-10	7.06E-06	2.23E-09	6.49E-10
3224	498363.09, 3846877.25	6.84E-06	2.16E-09	6.28E-10	8.37E-06	2.64E-09	7.69E-10	7.34E-06	2.32E-09	6.74E-10
3225	471363.09, 3847377.25	1.25E-05	3.95E-09	1.15E-09	1.53E-05	4.84E-09	1.41E-09	1.34E-05	4.24E-09	1.23E-09
3226	471863.09, 3847377.25	1.27E-05	4.02E-09	1.17E-09	1.56E-05	4.93E-09	1.43E-09	1.37E-05	4.32E-09	1.26E-09
3227	472363.09, 3847377.25	1.29E-05	4.08E-09	1.19E-09	1.58E-05	4.99E-09	1.45E-09	1.39E-05	4.38E-09	1.27E-09
3228	472863.09, 3847377.25	1.26E-05	3.96E-09	1.15E-09	1.54E-05	4.86E-09	1.41E-09	1.35E-05	4.26E-09	1.24E-09
3229	473363.09, 3847377.25	1.05E-05	3.33E-09	9.68E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.58E-09	1.04E-09
3230	473863.09, 3847377.25	1.04E-05	3.29E-09	9.57E-10	1.28E-05	4.03E-09	1.17E-09	1.12E-05	3.53E-09	1.03E-09
3231	474363.09, 3847377.25	1.08E-05	3.42E-09	9.95E-10	1.33E-05	4.19E-09	1.22E-09	1.16E-05	3.67E-09	1.07E-09
3232	474863.09, 3847377.25	1.00E-05	3.16E-09	9.20E-10	1.23E-05	3.88E-09	1.13E-09	1.08E-05	3.40E-09	9.89E-10
3233	475363.09, 3847377.25	9.45E-06	2.98E-09	8.68E-10	1.16E-05	3.65E-09	1.06E-09	1.02E-05	3.21E-09	9.32E-10
3234	475863.09, 3847377.25	1.12E-05	3.52E-09	1.03E-09	1.37E-05	4.32E-09	1.26E-09	1.20E-05	3.79E-09	1.10E-09
3235	476363.09, 3847377.25	1.48E-05	4.67E-09	1.36E-09	1.81E-05	5.71E-09	1.66E-09	1.59E-05	5.01E-09	1.46E-09
3236	476863.09, 3847377.25	1.70E-05	5.36E-09	1.56E-09	2.08E-05	6.56E-09	1.91E-09	1.82E-05	5.76E-09	1.67E-09
3237	477363.09, 3847377.25	1.74E-05	5.50E-09	1.60E-09	2.13E-05	6.73E-09	1.96E-09	1.87E-05	5.90E-09	1.72E-09
3238	477863.09, 3847377.25	1.58E-05	4.98E-09	1.45E-09	1.93E-05	6.10E-09	1.77E-09	1.69E-05	5.35E-09	1.56E-09
3239	478363.09, 3847377.25	1.40E-05	4.40E-09	1.28E-09	1.71E-05	5.39E-09	1.57E-09	1.50E-05	4.73E-09	1.38E-09
3240	478863.09, 3847377.25	1.24E-05	3.90E-09	1.14E-09	1.52E-05	4.78E-09	1.39E-09	1.33E-05	4.19E-09	1.22E-09
3241	479363.09, 3847377.25	9.93E-06	3.13E-09	9.11E-10	1.22E-05	3.84E-09	1.12E-09	1.07E-05	3.37E-09	9.80E-10
3242	479863.09, 3847377.25	7.38E-06	2.33E-09	6.78E-10	9.05E-06	2.85E-09	8.30E-10	7.93E-06	2.50E-09	7.28E-10
3243	480363.09, 3847377.25	5.05E-06	1.59E-09	4.63E-10	6.18E-06	1.95E-09	5.68E-10	5.42E-06	1.71E-09	4.98E-10
3244	480863.09, 3847377.25	4.48E-06	1.41E-09	4.11E-10	5.49E-06	1.73E-09	5.04E-10	4.81E-06	1.52E-09	4.42E-10
3245	481363.09, 3847377.25	4.91E-06	1.55E-09	4.51E-10	6.01E-06	1.90E-09	5.52E-10	5.27E-06	1.66E-09	4.84E-10
3246	481863.09, 3847377.25	6.22E-06	1.96E-09	5.71E-10	7.62E-06	2.41E-09	7.00E-10	6.68E-06	2.11E-09	6.14E-10
3247	482363.09, 3847377.25	5.79E-06	1.83E-09	5.31E-10	7.09E-06	2.24E-09	6.51E-10	6.22E-06	1.96E-09	5.71E-10
3248	482863.09, 3847377.25	5.28E-06	1.67E-09	4.84E-10	6.46E-06	2.04E-09	5.93E-10	5.67E-06	1.79E-09	5.21E-10
3249	483363.09, 3847377.25	5.02E-06	1.58E-09	4.60E-10	6.14E-06	1.94E-09	5.64E-10	5.39E-06	1.70E-09	4.95E-10
3250	483863.09, 3847377.25	4.82E-06	1.52E-09	4.43E-10	5.91E-06	1.86E-09	5.42E-10	5.18E-06	1.64E-09	4.76E-10
3251	484363.09, 3847377.25	4.92E-06	1.55E-09	4.51E-10	6.02E-06	1.90E-09	5.53E-10	5.28E-06	1.67E-09	4.85E-10
3252	484863.09, 3847377.25	4.61E-06	1.45E-09	4.23E-10	5.65E-06	1.78E-09	5.18E-10	4.95E-06	1.56E-09	4.55E-10
3253	485363.09, 3847377.25	4.43E-06	1.40E-09	4.07E-10	5.43E-06	1.71E-09	4.99E-10	4.76E-06	1.50E-09	4.37E-10
3254	485863.09, 3847377.25	4.27E-06	1.35E-09	3.92E-10	5.23E-06	1.65E-09	4.80E-10	4.59E-06	1.45E-09	4.21E-10
3255	486363.09, 3847377.25	4.18E-06	1.32E-09	3.84E-10	5.13E-06	1.62E-09	4.71E-10	4.50E-06	1.42E-09	4.13E-10
3256	486863.09, 3847377.25	3.76E-06	1.19E-09	3.45E-10	4.60E-06	1.45E-09	4.23E-10	4.04E-06	1.27E-09	3.71E-10
3257	487363.09, 3847377.25	3.72E-06	1.17E-09	3.42E-10	4.56E-06	1.44E-09	4.18E-10	4.00E-06	1.26E-09	3.67E-10
3258	487863.09, 3847377.25	3.42E-06	1.08E-09	3.14E-10	4.19E-06	1.32E-09	3.84E-10	3.67E-06	1.16E-09	3.37E-10
3259	488363.09, 3847377.25	3.35E-06	1.06E-09	3.07E-10	4.10E-06	1.29E-09	3.76E-10	3.59E-06	1.13E-09	3.30E-10
3260	488863.09, 3847377.25	3.30E-06	1.04E-09	3.03E-10	4.04E-06	1.28E-09	3.71E-10	3.54E-06	1.12E-09	3.25E-10

3261	489363.09, 3847377.25	3.30E-06	1.04E-09	3.03E-10	4.04E-06	1.28E-09	3.71E-10	3.54E-06	1.12E-09	3.25E-10
3262	489863.09, 3847377.25	3.18E-06	1.00E-09	2.92E-10	3.89E-06	1.23E-09	3.57E-10	3.41E-06	1.08E-09	3.13E-10
3263	490363.09, 3847377.25	3.11E-06	9.83E-10	2.86E-10	3.81E-06	1.20E-09	3.50E-10	3.34E-06	1.05E-09	3.07E-10
3264	490863.09, 3847377.25	3.17E-06	1.00E-09	2.91E-10	3.88E-06	1.23E-09	3.56E-10	3.40E-06	1.07E-09	3.12E-10
3265	491363.09, 3847377.25	3.20E-06	1.01E-09	2.94E-10	3.92E-06	1.24E-09	3.60E-10	3.43E-06	1.08E-09	3.15E-10
3266	491863.09, 3847377.25	3.49E-06	1.10E-09	3.20E-10	4.27E-06	1.35E-09	3.92E-10	3.75E-06	1.18E-09	3.44E-10
3267	492363.09, 3847377.25	3.57E-06	1.13E-09	3.28E-10	4.37E-06	1.38E-09	4.02E-10	3.83E-06	1.21E-09	3.52E-10
3268	492863.09, 3847377.25	3.84E-06	1.21E-09	3.53E-10	4.71E-06	1.49E-09	4.32E-10	4.13E-06	1.30E-09	3.79E-10
3269	493363.09, 3847377.25	4.06E-06	1.28E-09	3.72E-10	4.97E-06	1.57E-09	4.56E-10	4.36E-06	1.37E-09	4.00E-10
3270	493863.09, 3847377.25	4.19E-06	1.32E-09	3.85E-10	5.14E-06	1.62E-09	4.71E-10	4.50E-06	1.42E-09	4.13E-10
3271	494363.09, 3847377.25	4.35E-06	1.37E-09	4.00E-10	5.33E-06	1.68E-09	4.90E-10	4.68E-06	1.48E-09	4.29E-10
3272	494863.09, 3847377.25	4.61E-06	1.45E-09	4.23E-10	5.64E-06	1.78E-09	5.18E-10	4.94E-06	1.56E-09	4.54E-10
3273	495363.09, 3847377.25	4.89E-06	1.54E-09	4.49E-10	5.99E-06	1.89E-09	5.50E-10	5.25E-06	1.66E-09	4.82E-10
3274	495863.09, 3847377.25	5.22E-06	1.65E-09	4.79E-10	6.40E-06	2.02E-09	5.87E-10	5.60E-06	1.77E-09	5.14E-10
3275	496363.09, 3847377.25	5.55E-06	1.75E-09	5.10E-10	6.80E-06	2.15E-09	6.25E-10	5.96E-06	1.88E-09	5.47E-10
3276	496863.09, 3847377.25	6.09E-06	1.92E-09	5.59E-10	7.46E-06	2.35E-09	6.85E-10	6.53E-06	2.06E-09	6.00E-10
3277	497363.09, 3847377.25	6.82E-06	2.15E-09	6.26E-10	8.35E-06	2.64E-09	7.67E-10	7.32E-06	2.31E-09	6.72E-10
3278	497863.09, 3847377.25	7.68E-06	2.43E-09	7.05E-10	9.41E-06	2.97E-09	8.64E-10	8.25E-06	2.60E-09	7.57E-10
3279	498363.09, 3847377.25	8.09E-06	2.55E-09	7.43E-10	9.92E-06	3.13E-09	9.10E-10	8.69E-06	2.74E-09	7.98E-10
3280	471363.09, 3847877.25	1.34E-05	4.24E-09	1.23E-09	1.64E-05	5.19E-09	1.51E-09	1.44E-05	4.55E-09	1.32E-09
3281	471863.09, 3847877.25	1.38E-05	4.35E-09	1.26E-09	1.69E-05	5.32E-09	1.55E-09	1.48E-05	4.67E-09	1.36E-09
3282	472363.09, 3847877.25	1.40E-05	4.43E-09	1.29E-09	1.72E-05	5.42E-09	1.58E-09	1.51E-05	4.75E-09	1.38E-09
3283	472863.09, 3847877.25	1.42E-05	4.48E-09	1.30E-09	1.74E-05	5.49E-09	1.60E-09	1.52E-05	4.81E-09	1.40E-09
3284	473363.09, 3847877.25	1.44E-05	4.54E-09	1.32E-09	1.76E-05	5.56E-09	1.62E-09	1.54E-05	4.88E-09	1.42E-09
3285	473863.09, 3847877.25	1.38E-05	4.36E-09	1.27E-09	1.69E-05	5.34E-09	1.55E-09	1.48E-05	4.68E-09	1.36E-09
3286	474363.09, 3847877.25	1.21E-05	3.81E-09	1.11E-09	1.48E-05	4.66E-09	1.36E-09	1.30E-05	4.09E-09	1.19E-09
3287	474863.09, 3847877.25	1.25E-05	3.94E-09	1.15E-09	1.53E-05	4.83E-09	1.40E-09	1.34E-05	4.23E-09	1.23E-09
3288	475363.09, 3847877.25	1.14E-05	3.61E-09	1.05E-09	1.40E-05	4.42E-09	1.29E-09	1.23E-05	3.88E-09	1.13E-09
3289	475863.09, 3847877.25	1.06E-05	3.33E-09	9.69E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.58E-09	1.04E-09
3290	476363.09, 3847877.25	1.32E-05	4.17E-09	1.21E-09	1.62E-05	5.11E-09	1.48E-09	1.42E-05	4.48E-09	1.30E-09
3291	476863.09, 3847877.25	1.64E-05	5.19E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.77E-05	5.57E-09	1.62E-09
3292	477363.09, 3847877.25	1.94E-05	6.14E-09	1.78E-09	2.38E-05	7.52E-09	2.19E-09	2.09E-05	6.59E-09	1.92E-09
3293	477863.09, 3847877.25	1.97E-05	6.21E-09	1.81E-09	2.41E-05	7.60E-09	2.21E-09	2.11E-05	6.67E-09	1.94E-09
3294	478363.09, 3847877.25	1.78E-05	5.63E-09	1.64E-09	2.18E-05	6.89E-09	2.01E-09	1.92E-05	6.05E-09	1.76E-09
3295	478863.09, 3847877.25	1.54E-05	4.86E-09	1.41E-09	1.89E-05	5.96E-09	1.73E-09	1.65E-05	5.22E-09	1.52E-09
3296	479363.09, 3847877.25	1.03E-05	3.24E-09	9.44E-10	1.26E-05	3.97E-09	1.16E-09	1.10E-05	3.48E-09	1.01E-09
3297	479863.09, 3847877.25	5.97E-06	1.88E-09	5.48E-10	7.31E-06	2.31E-09	6.71E-10	6.42E-06	2.02E-09	5.89E-10
3298	480363.09, 3847877.25	6.17E-06	1.95E-09	5.67E-10	7.56E-06	2.39E-09	6.94E-10	6.63E-06	2.09E-09	6.08E-10
3299	480863.09, 3847877.25	5.35E-06	1.69E-09	4.91E-10	6.55E-06	2.07E-09	6.02E-10	5.75E-06	1.81E-09	5.28E-10
3300	481363.09, 3847877.25	5.40E-06	1.70E-09	4.96E-10	6.61E-06	2.09E-09	6.07E-10	5.80E-06	1.83E-09	5.32E-10
3301	481863.09, 3847877.25	7.41E-06	2.34E-09	6.80E-10	9.08E-06	2.87E-09	8.33E-10	7.96E-06	2.51E-09	7.31E-10
3302	482363.09, 3847877.25	6.92E-06	2.18E-09	6.35E-10	8.48E-06	2.67E-09	7.78E-10	7.43E-06	2.35E-09	6.82E-10
3303	482863.09, 3847877.25	6.02E-06	1.90E-09	5.53E-10	7.38E-06	2.33E-09	6.77E-10	6.47E-06	2.04E-09	5.94E-10
3304	483363.09, 3847877.25	5.80E-06	1.83E-09	5.33E-10	7.11E-06	2.24E-09	6.53E-10	6.23E-06	1.97E-09	5.72E-10
3305	483863.09, 3847877.25	5.64E-06	1.78E-09	5.18E-10	6.91E-06	2.18E-09	6.34E-10	6.06E-06	1.91E-09	5.56E-10
3306	484363.09, 3847877.25	5.73E-06	1.81E-09	5.26E-10	7.01E-06	2.21E-09	6.44E-10	6.15E-06	1.94E-09	5.65E-10
3307	484863.09, 3847877.25	5.47E-06	1.73E-09	5.02E-10	6.70E-06	2.11E-09	6.15E-10	5.88E-06	1.86E-09	5.40E-10
3308	485363.09, 3847877.25	5.37E-06	1.69E-09	4.93E-10	6.57E-06	2.08E-09	6.04E-10	5.77E-06	1.82E-09	5.30E-10
3309	485863.09, 3847877.25	5.24E-06	1.65E-09	4.81E-10	6.41E-06	2.02E-09	5.89E-10	5.62E-06	1.77E-09	5.16E-10
3310	486363.09, 3847877.25	4.78E-06	1.51E-09	4.39E-10	5.86E-06	1.85E-09	5.38E-10	5.14E-06	1.62E-09	4.71E-10
3311	486863.09, 3847877.25	4.48E-06	1.41E-09	4.11E-10	5.49E-06	1.73E-09	5.04E-10	4.81E-06	1.52E-09	4.42E-10
3312	487363.09, 3847877.25	4.25E-06	1.34E-09	3.90E-10	5.20E-06	1.64E-09	4.78E-10	4.56E-06	1.44E-09	4.19E-10
3313	487863.09, 3847877.25	3.97E-06	1.25E-09	3.64E-10	4.86E-06	1.53E-09	4.46E-10	4.26E-06	1.35E-09	3.91E-10
3314	488363.09, 3847877.25	3.85E-06	1.22E-09	3.54E-10	4.72E-06	1.49E-09	4.33E-10	4.14E-06	1.31E-09	3.80E-10
3315	488863.09, 3847877.25	3.83E-06	1.21E-09	3.51E-10	4.69E-06	1.48E-09	4.30E-10	4.11E-06	1.30E-09	3.77E-10
3316	489363.09, 3847877.25	3.87E-06	1.22E-09	3.56E-10	4.74E-06	1.50E-09	4.36E-10	4.16E-06	1.31E-09	3.82E-10
3317	489863.09, 3847877.25	4.12E-06	1.30E-09	3.78E-10	5.04E-06	1.59E-09	4.63E-10	4.42E-06	1.39E-09	4.06E-10
3318	490363.09, 3847877.25	4.18E-06	1.32E-09	3.84E-10	5.12E-06	1.62E-09	4.70E-10	4.49E-06	1.42E-09	4.12E-10
3319	490863.09, 3847877.25	4.13E-06	1.30E-09	3.79E-10	5.06E-06	1.60E-09	4.64E-10	4.43E-06	1.40E-09	4.07E-10
3320	491363.09, 3847877.25	4.00E-06	1.26E-09	3.67E-10	4.90E-06	1.55E-09	4.50E-10	4.30E-06	1.36E-09	3.94E-10
3321	491863.09, 3847877.25	4.14E-06	1.31E-09	3.80E-10	5.07E-06	1.60E-09	4.65E-10	4.44E-06	1.40E-09	4.08E-10
3322	492363.09, 3847877.25	4.37E-06	1.38E-09	4.02E-10	5.36E-06	1.69E-09	4.92E-10	4.70E-06	1.48E-09	4.31E-10
3323	492863.09, 3847877.25	4.53E-06	1.43E-09	4.16E-10	5.54E-06	1.75E-09	5.09E-10	4.86E-06	1.53E-09	4.46E-10
3324	493363.09, 3847877.25	4.51E-06	1.42E-09	4.14E-10	5.52E-06	1.74E-09	5.07E-10	4.84E-06	1.53E-09	4.44E-10

3325	493863.09, 3847877.25	4.61E-06	1.46E-09	4.23E-10	5.65E-06	1.78E-09	5.19E-10	4.95E-06	1.56E-09	4.55E-10
3326	494363.09, 3847877.25	4.82E-06	1.52E-09	4.43E-10	5.91E-06	1.86E-09	5.42E-10	5.18E-06	1.63E-09	4.75E-10
3327	494863.09, 3847877.25	5.13E-06	1.62E-09	4.71E-10	6.28E-06	1.98E-09	5.77E-10	5.50E-06	1.74E-09	5.05E-10
3328	495363.09, 3847877.25	5.30E-06	1.67E-09	4.87E-10	6.49E-06	2.05E-09	5.96E-10	5.69E-06	1.80E-09	5.22E-10
3329	495863.09, 3847877.25	5.06E-06	1.60E-09	4.65E-10	6.20E-06	1.96E-09	5.69E-10	5.43E-06	1.71E-09	4.99E-10
3330	496363.09, 3847877.25	6.07E-06	1.92E-09	5.57E-10	7.43E-06	2.35E-09	6.82E-10	6.51E-06	2.06E-09	5.98E-10
3331	496863.09, 3847877.25	6.68E-06	2.11E-09	6.13E-10	8.19E-06	2.58E-09	7.51E-10	7.17E-06	2.26E-09	6.59E-10
3332	497363.09, 3847877.25	7.45E-06	2.35E-09	6.84E-10	9.12E-06	2.88E-09	8.38E-10	8.00E-06	2.52E-09	7.34E-10
3333	497863.09, 3847877.25	8.86E-06	2.80E-09	8.14E-10	1.09E-05	3.43E-09	9.97E-10	9.52E-06	3.00E-09	8.74E-10
3334	498363.09, 3847877.25	9.67E-06	3.05E-09	8.87E-10	1.18E-05	3.74E-09	1.09E-09	1.04E-05	3.28E-09	9.53E-10
3335	471363.09, 3848377.25	1.37E-05	4.32E-09	1.26E-09	1.68E-05	5.29E-09	1.54E-09	1.47E-05	4.64E-09	1.35E-09
3336	471863.09, 3848377.25	1.45E-05	4.56E-09	1.33E-09	1.77E-05	5.59E-09	1.63E-09	1.55E-05	4.90E-09	1.43E-09
3337	472363.09, 3848377.25	1.50E-05	4.73E-09	1.37E-09	1.83E-05	5.79E-09	1.68E-09	1.61E-05	5.08E-09	1.48E-09
3338	472863.09, 3848377.25	1.54E-05	4.85E-09	1.41E-09	1.88E-05	5.95E-09	1.73E-09	1.65E-05	5.21E-09	1.52E-09
3339	473363.09, 3848377.25	1.56E-05	4.93E-09	1.43E-09	1.91E-05	6.04E-09	1.76E-09	1.68E-05	5.30E-09	1.54E-09
3340	473863.09, 3848377.25	1.59E-05	5.01E-09	1.46E-09	1.94E-05	6.14E-09	1.79E-09	1.71E-05	5.38E-09	1.57E-09
3341	474363.09, 3848377.25	1.56E-05	4.92E-09	1.43E-09	1.91E-05	6.02E-09	1.75E-09	1.67E-05	5.28E-09	1.54E-09
3342	474863.09, 3848377.25	1.41E-05	4.44E-09	1.29E-09	1.72E-05	5.44E-09	1.58E-09	1.51E-05	4.77E-09	1.39E-09
3343	475363.09, 3848377.25	1.48E-05	4.68E-09	1.36E-09	1.81E-05	5.73E-09	1.67E-09	1.59E-05	5.02E-09	1.46E-09
3344	475863.09, 3848377.25	1.35E-05	4.26E-09	1.24E-09	1.65E-05	5.21E-09	1.52E-09	1.45E-05	4.57E-09	1.33E-09
3345	476363.09, 3848377.25	1.20E-05	3.80E-09	1.10E-09	1.47E-05	4.65E-09	1.35E-09	1.29E-05	4.08E-09	1.19E-09
3346	476863.09, 3848377.25	1.52E-05	4.80E-09	1.40E-09	1.86E-05	5.88E-09	1.71E-09	1.63E-05	5.15E-09	1.50E-09
3347	477363.09, 3848377.25	1.81E-05	5.73E-09	1.67E-09	2.22E-05	7.01E-09	2.04E-09	1.95E-05	6.15E-09	1.79E-09
3348	477863.09, 3848377.25	2.18E-05	6.88E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
3349	478363.09, 3848377.25	2.19E-05	6.90E-09	2.01E-09	2.68E-05	8.45E-09	2.46E-09	2.35E-05	7.41E-09	2.15E-09
3350	478863.09, 3848377.25	1.90E-05	5.98E-09	1.74E-09	2.32E-05	7.33E-09	2.13E-09	2.04E-05	6.43E-09	1.87E-09
3351	479363.09, 3848377.25	1.29E-05	4.07E-09	1.18E-09	1.58E-05	4.99E-09	1.45E-09	1.38E-05	4.37E-09	1.27E-09
3352	479863.09, 3848377.25	4.41E-06	1.39E-09	4.05E-10	5.40E-06	1.71E-09	4.96E-10	4.74E-06	1.50E-09	4.35E-10
3353	480363.09, 3848377.25	6.25E-06	1.97E-09	5.74E-10	7.66E-06	2.42E-09	7.03E-10	6.72E-06	2.12E-09	6.17E-10
3354	480863.09, 3848377.25	8.80E-06	2.78E-09	8.08E-10	1.08E-05	3.40E-09	9.90E-10	9.45E-06	2.98E-09	8.68E-10
3355	481363.09, 3848377.25	8.62E-06	2.72E-09	7.91E-10	1.06E-05	3.33E-09	9.69E-10	9.26E-06	2.92E-09	8.50E-10
3356	481863.09, 3848377.25	8.77E-06	2.77E-09	8.06E-10	1.07E-05	3.39E-09	9.87E-10	9.43E-06	2.98E-09	8.66E-10
3357	482363.09, 3848377.25	8.78E-06	2.77E-09	8.06E-10	1.08E-05	3.40E-09	9.88E-10	9.43E-06	2.98E-09	8.66E-10
3358	482863.09, 3848377.25	7.37E-06	2.33E-09	6.77E-10	9.03E-06	2.85E-09	8.29E-10	7.92E-06	2.50E-09	7.27E-10
3359	483363.09, 3848377.25	7.12E-06	2.25E-09	6.54E-10	8.72E-06	2.75E-09	8.01E-10	7.65E-06	2.41E-09	7.02E-10
3360	483863.09, 3848377.25	6.42E-06	2.03E-09	5.89E-10	7.86E-06	2.48E-09	7.22E-10	6.90E-06	2.18E-09	6.33E-10
3361	484363.09, 3848377.25	6.31E-06	1.99E-09	5.79E-10	7.73E-06	2.44E-09	7.10E-10	6.78E-06	2.14E-09	6.22E-10
3362	484863.09, 3848377.25	6.72E-06	2.12E-09	6.17E-10	8.23E-06	2.60E-09	7.56E-10	7.22E-06	2.28E-09	6.63E-10
3363	485363.09, 3848377.25	6.36E-06	2.01E-09	5.84E-10	7.79E-06	2.46E-09	7.15E-10	6.83E-06	2.16E-09	6.27E-10
3364	485863.09, 3848377.25	6.13E-06	1.93E-09	5.62E-10	7.50E-06	2.37E-09	6.89E-10	6.58E-06	2.08E-09	6.04E-10
3365	486363.09, 3848377.25	5.71E-06	1.80E-09	5.24E-10	6.99E-06	2.21E-09	6.42E-10	6.13E-06	1.94E-09	5.63E-10
3366	486863.09, 3848377.25	5.24E-06	1.65E-09	4.81E-10	6.42E-06	2.03E-09	5.89E-10	5.63E-06	1.78E-09	5.17E-10
3367	487363.09, 3848377.25	4.73E-06	1.49E-09	4.35E-10	5.80E-06	1.83E-09	5.32E-10	5.09E-06	1.61E-09	4.67E-10
3368	487863.09, 3848377.25	4.62E-06	1.46E-09	4.24E-10	5.66E-06	1.79E-09	5.20E-10	4.96E-06	1.57E-09	4.56E-10
3369	488363.09, 3848377.25	4.50E-06	1.42E-09	4.13E-10	5.51E-06	1.74E-09	5.06E-10	4.83E-06	1.53E-09	4.44E-10
3370	488863.09, 3848377.25	4.53E-06	1.43E-09	4.16E-10	5.55E-06	1.75E-09	5.10E-10	4.87E-06	1.54E-09	4.47E-10
3371	489363.09, 3848377.25	4.69E-06	1.48E-09	4.31E-10	5.75E-06	1.81E-09	5.28E-10	5.04E-06	1.59E-09	4.63E-10
3372	489863.09, 3848377.25	5.07E-06	1.60E-09	4.66E-10	6.21E-06	1.96E-09	5.70E-10	5.44E-06	1.72E-09	5.00E-10
3373	490363.09, 3848377.25	5.08E-06	1.60E-09	4.66E-10	6.22E-06	1.96E-09	5.71E-10	5.45E-06	1.72E-09	5.01E-10
3374	490863.09, 3848377.25	4.93E-06	1.56E-09	4.52E-10	6.04E-06	1.91E-09	5.54E-10	5.29E-06	1.67E-09	4.86E-10
3375	491363.09, 3848377.25	4.92E-06	1.55E-09	4.52E-10	6.03E-06	1.90E-09	5.54E-10	5.29E-06	1.67E-09	4.85E-10
3376	491863.09, 3848377.25	5.04E-06	1.59E-09	4.63E-10	6.18E-06	1.95E-09	5.67E-10	5.42E-06	1.71E-09	4.97E-10
3377	492363.09, 3848377.25	4.96E-06	1.57E-09	4.55E-10	6.07E-06	1.92E-09	5.58E-10	5.33E-06	1.68E-09	4.89E-10
3378	492863.09, 3848377.25	4.84E-06	1.53E-09	4.45E-10	5.93E-06	1.87E-09	5.45E-10	5.20E-06	1.64E-09	4.77E-10
3379	493363.09, 3848377.25	4.99E-06	1.57E-09	4.58E-10	6.11E-06	1.93E-09	5.61E-10	5.36E-06	1.69E-09	4.92E-10
3380	493863.09, 3848377.25	5.18E-06	1.63E-09	4.75E-10	6.34E-06	2.00E-09	5.82E-10	5.56E-06	1.75E-09	5.10E-10
3381	494363.09, 3848377.25	5.37E-06	1.69E-09	4.93E-10	6.57E-06	2.07E-09	6.03E-10	5.76E-06	1.82E-09	5.29E-10
3382	494863.09, 3848377.25	5.72E-06	1.81E-09	5.25E-10	7.01E-06	2.21E-09	6.43E-10	6.14E-06	1.94E-09	5.64E-10
3383	495363.09, 3848377.25	5.67E-06	1.79E-09	5.21E-10	6.95E-06	2.19E-09	6.38E-10	6.09E-06	1.92E-09	5.59E-10
3384	495863.09, 3848377.25	5.95E-06	1.88E-09	5.46E-10	7.29E-06	2.30E-09	6.69E-10	6.39E-06	2.02E-09	5.87E-10
3385	496363.09, 3848377.25	6.64E-06	2.10E-09	6.10E-10	8.14E-06	2.57E-09	7.47E-10	7.13E-06	2.25E-09	6.55E-10
3386	496863.09, 3848377.25	6.84E-06	2.16E-09	6.28E-10	8.38E-06	2.64E-09	7.69E-10	7.34E-06	2.32E-09	6.74E-10
3387	497363.09, 3848377.25	7.86E-06	2.48E-09	7.22E-10	9.63E-06	3.04E-09	8.84E-10	8.44E-06	2.66E-09	7.75E-10
3388	497863.09, 3848377.25	1.07E-05	3.39E-09	9.85E-10	1.31E-05	4.15E-09	1.21E-09	1.15E-05	3.64E-09	1.06E-09

3389	498363.09, 3848377.25	1.14E-05	3.61E-09	1.05E-09	1.40E-05	4.42E-09	1.28E-09	1.23E-05	3.87E-09	1.13E-09
3390	471363.09, 3848877.25	1.34E-05	4.23E-09	1.23E-09	1.64E-05	5.18E-09	1.51E-09	1.44E-05	4.54E-09	1.32E-09
3391	471863.09, 3848877.25	1.44E-05	4.56E-09	1.33E-09	1.77E-05	5.58E-09	1.62E-09	1.55E-05	4.89E-09	1.42E-09
3392	472363.09, 3848877.25	1.54E-05	4.86E-09	1.42E-09	1.89E-05	5.96E-09	1.73E-09	1.66E-05	5.23E-09	1.52E-09
3393	472863.09, 3848877.25	1.63E-05	5.13E-09	1.49E-09	1.99E-05	6.29E-09	1.83E-09	1.75E-05	5.51E-09	1.60E-09
3394	473363.09, 3848877.25	1.70E-05	5.35E-09	1.56E-09	2.08E-05	6.55E-09	1.91E-09	1.82E-05	5.75E-09	1.67E-09
3395	473863.09, 3848877.25	1.74E-05	5.48E-09	1.59E-09	2.13E-05	6.71E-09	1.95E-09	1.87E-05	5.89E-09	1.71E-09
3396	474363.09, 3848877.25	1.78E-05	5.63E-09	1.64E-09	2.18E-05	6.90E-09	2.01E-09	1.92E-05	6.05E-09	1.76E-09
3397	474863.09, 3848877.25	1.72E-05	5.44E-09	1.58E-09	2.11E-05	6.66E-09	1.94E-09	1.85E-05	5.84E-09	1.70E-09
3398	475363.09, 3848877.25	1.68E-05	5.31E-09	1.54E-09	2.06E-05	6.51E-09	1.89E-09	1.81E-05	5.71E-09	1.66E-09
3399	475863.09, 3848877.25	1.71E-05	5.41E-09	1.57E-09	2.10E-05	6.62E-09	1.93E-09	1.84E-05	5.81E-09	1.69E-09
3400	476363.09, 3848877.25	1.62E-05	5.11E-09	1.49E-09	1.98E-05	6.26E-09	1.82E-09	1.74E-05	5.49E-09	1.60E-09
3401	476863.09, 3848877.25	1.49E-05	4.71E-09	1.37E-09	1.83E-05	5.76E-09	1.68E-09	1.60E-05	5.06E-09	1.47E-09
3402	477363.09, 3848877.25	1.77E-05	5.58E-09	1.62E-09	2.17E-05	6.83E-09	1.99E-09	1.90E-05	5.99E-09	1.74E-09
3403	477863.09, 3848877.25	2.08E-05	6.56E-09	1.91E-09	2.54E-05	8.03E-09	2.34E-09	2.23E-05	7.04E-09	2.05E-09
3404	478363.09, 3848877.25	2.50E-05	7.88E-09	2.29E-09	3.06E-05	9.66E-09	2.81E-09	2.68E-05	8.47E-09	2.46E-09
3405	478863.09, 3848877.25	2.44E-05	7.69E-09	2.24E-09	2.99E-05	9.42E-09	2.74E-09	2.62E-05	8.26E-09	2.40E-09
3406	479363.09, 3848877.25	1.98E-05	6.25E-09	1.82E-09	2.43E-05	7.66E-09	2.23E-09	2.13E-05	6.72E-09	1.95E-09
3407	479863.09, 3848877.25	1.43E-05	4.51E-09	1.31E-09	1.75E-05	5.52E-09	1.61E-09	1.53E-05	4.84E-09	1.41E-09
3408	480363.09, 3848877.25	1.36E-05	4.28E-09	1.24E-09	1.66E-05	5.24E-09	1.52E-09	1.46E-05	4.60E-09	1.34E-09
3409	480863.09, 3848877.25	1.39E-05	4.38E-09	1.28E-09	1.70E-05	5.37E-09	1.56E-09	1.49E-05	4.71E-09	1.37E-09
3410	481363.09, 3848877.25	1.27E-05	4.00E-09	1.16E-09	1.55E-05	4.91E-09	1.43E-09	1.36E-05	4.30E-09	1.25E-09
3411	481863.09, 3848877.25	1.05E-05	3.32E-09	9.65E-10	1.29E-05	4.07E-09	1.18E-09	1.13E-05	3.57E-09	1.04E-09
3412	482363.09, 3848877.25	8.64E-06	2.73E-09	7.93E-10	1.06E-05	3.34E-09	9.71E-10	9.28E-06	2.93E-09	8.52E-10
3413	482863.09, 3848877.25	7.13E-06	2.25E-09	6.54E-10	8.73E-06	2.76E-09	8.02E-10	7.66E-06	2.42E-09	7.03E-10
3414	483363.09, 3848877.25	6.22E-06	1.96E-09	5.71E-10	7.61E-06	2.40E-09	6.99E-10	6.68E-06	2.11E-09	6.13E-10
3415	483863.09, 3848877.25	6.08E-06	1.92E-09	5.58E-10	7.44E-06	2.35E-09	6.83E-10	6.53E-06	2.06E-09	5.99E-10
3416	484363.09, 3848877.25	7.17E-06	2.26E-09	6.58E-10	8.78E-06	2.77E-09	8.06E-10	7.70E-06	2.43E-09	7.07E-10
3417	484863.09, 3848877.25	8.20E-06	2.59E-09	7.53E-10	1.00E-05	3.17E-09	9.22E-10	8.81E-06	2.78E-09	8.09E-10
3418	485363.09, 3848877.25	7.68E-06	2.42E-09	7.05E-10	9.40E-06	2.97E-09	8.63E-10	8.25E-06	2.61E-09	7.58E-10
3419	485863.09, 3848877.25	7.29E-06	2.30E-09	6.70E-10	8.93E-06	2.82E-09	8.20E-10	7.83E-06	2.47E-09	7.19E-10
3420	486363.09, 3848877.25	6.53E-06	2.06E-09	6.00E-10	8.00E-06	2.53E-09	7.35E-10	7.02E-06	2.22E-09	6.44E-10
3421	486863.09, 3848877.25	5.80E-06	1.83E-09	5.33E-10	7.11E-06	2.24E-09	6.52E-10	6.23E-06	1.97E-09	5.72E-10
3422	487363.09, 3848877.25	5.76E-06	1.82E-09	5.29E-10	7.06E-06	2.23E-09	6.48E-10	6.19E-06	1.95E-09	5.68E-10
3423	487863.09, 3848877.25	5.48E-06	1.73E-09	5.03E-10	6.71E-06	2.12E-09	6.16E-10	5.89E-06	1.86E-09	5.40E-10
3424	488363.09, 3848877.25	5.46E-06	1.72E-09	5.01E-10	6.69E-06	2.11E-09	6.14E-10	5.87E-06	1.85E-09	5.39E-10
3425	488863.09, 3848877.25	5.49E-06	1.73E-09	5.04E-10	6.72E-06	2.12E-09	6.17E-10	5.89E-06	1.86E-09	5.41E-10
3426	489363.09, 3848877.25	5.77E-06	1.82E-09	5.30E-10	7.07E-06	2.23E-09	6.49E-10	6.20E-06	1.96E-09	5.69E-10
3427	489863.09, 3848877.25	6.07E-06	1.92E-09	5.57E-10	7.44E-06	2.35E-09	6.83E-10	6.52E-06	2.06E-09	5.98E-10
3428	490363.09, 3848877.25	5.90E-06	1.86E-09	5.42E-10	7.23E-06	2.28E-09	6.63E-10	6.33E-06	2.00E-09	5.81E-10
3429	490863.09, 3848877.25	5.81E-06	1.83E-09	5.33E-10	7.11E-06	2.24E-09	6.53E-10	6.24E-06	1.97E-09	5.73E-10
3430	491363.09, 3848877.25	5.89E-06	1.86E-09	5.40E-10	7.21E-06	2.28E-09	6.62E-10	6.32E-06	2.00E-09	5.80E-10
3431	491863.09, 3848877.25	5.73E-06	1.81E-09	5.26E-10	7.02E-06	2.21E-09	6.44E-10	6.15E-06	1.94E-09	5.65E-10
3432	492363.09, 3848877.25	5.59E-06	1.76E-09	5.13E-10	6.85E-06	2.16E-09	6.29E-10	6.00E-06	1.89E-09	5.51E-10
3433	492863.09, 3848877.25	5.42E-06	1.71E-09	4.98E-10	6.64E-06	2.10E-09	6.10E-10	5.82E-06	1.84E-09	5.35E-10
3434	493363.09, 3848877.25	5.30E-06	1.67E-09	4.86E-10	6.49E-06	2.05E-09	5.96E-10	5.69E-06	1.80E-09	5.22E-10
3435	493863.09, 3848877.25	5.72E-06	1.81E-09	5.25E-10	7.01E-06	2.21E-09	6.43E-10	6.14E-06	1.94E-09	5.64E-10
3436	494363.09, 3848877.25	6.02E-06	1.90E-09	5.52E-10	7.37E-06	2.33E-09	6.77E-10	6.46E-06	2.04E-09	5.93E-10
3437	494863.09, 3848877.25	6.55E-06	2.07E-09	6.01E-10	8.02E-06	2.53E-09	7.36E-10	7.03E-06	2.22E-09	6.45E-10
3438	495363.09, 3848877.25	7.02E-06	2.22E-09	6.44E-10	8.60E-06	2.71E-09	7.89E-10	7.54E-06	2.38E-09	6.92E-10
3439	495863.09, 3848877.25	6.86E-06	2.17E-09	6.30E-10	8.40E-06	2.65E-09	7.72E-10	7.37E-06	2.32E-09	6.76E-10
3440	496363.09, 3848877.25	7.29E-06	2.30E-09	6.70E-10	8.93E-06	2.82E-09	8.20E-10	7.83E-06	2.47E-09	7.19E-10
3441	496863.09, 3848877.25	8.40E-06	2.65E-09	7.71E-10	1.03E-05	3.25E-09	9.44E-10	9.01E-06	2.84E-09	8.27E-10
3442	497363.09, 3848877.25	1.08E-05	3.42E-09	9.95E-10	1.33E-05	4.19E-09	1.22E-09	1.16E-05	3.67E-09	1.07E-09
3443	497863.09, 3848877.25	1.23E-05	3.89E-09	1.13E-09	1.51E-05	4.77E-09	1.39E-09	1.32E-05	4.18E-09	1.22E-09
3444	498363.09, 3848877.25	1.36E-05	4.30E-09	1.25E-09	1.67E-05	5.27E-09	1.53E-09	1.46E-05	4.62E-09	1.34E-09
3445	471363.09, 3849377.25	1.29E-05	4.09E-09	1.19E-09	1.59E-05	5.01E-09	1.46E-09	1.39E-05	4.39E-09	1.28E-09
3446	471863.09, 3849377.25	1.42E-05	4.48E-09	1.30E-09	1.74E-05	5.49E-09	1.60E-09	1.52E-05	4.81E-09	1.40E-09
3447	472363.09, 3849377.25	1.53E-05	4.82E-09	1.40E-09	1.87E-05	5.91E-09	1.72E-09	1.64E-05	5.18E-09	1.51E-09
3448	472863.09, 3849377.25	1.64E-05	5.18E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.76E-05	5.57E-09	1.62E-09
3449	473363.09, 3849377.25	1.75E-05	5.52E-09	1.61E-09	2.14E-05	6.76E-09	1.97E-09	1.88E-05	5.93E-09	1.73E-09
3450	473863.09, 3849377.25	1.85E-05	5.84E-09	1.70E-09	2.27E-05	7.15E-09	2.08E-09	1.99E-05	6.27E-09	1.82E-09
3451	474363.09, 3849377.25	1.93E-05	6.09E-09	1.77E-09	2.36E-05	7.46E-09	2.17E-09	2.07E-05	6.54E-09	1.90E-09
3452	474863.09, 3849377.25	2.00E-05	6.31E-09	1.83E-09	2.45E-05	7.72E-09	2.25E-09	2.15E-05	6.77E-09	1.97E-09

3453	475363.09, 3849377.25	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.82E-09	2.27E-09	2.17E-05	6.86E-09	2.00E-09
3454	475863.09, 3849377.25	2.07E-05	6.53E-09	1.90E-09	2.53E-05	7.99E-09	2.33E-09	2.22E-05	7.01E-09	2.04E-09
3455	476363.09, 3849377.25	2.08E-05	6.57E-09	1.91E-09	2.55E-05	8.05E-09	2.34E-09	2.24E-05	7.06E-09	2.05E-09
3456	476863.09, 3849377.25	2.00E-05	6.32E-09	1.84E-09	2.45E-05	7.74E-09	2.25E-09	2.15E-05	6.79E-09	1.98E-09
3457	477363.09, 3849377.25	1.88E-05	5.94E-09	1.73E-09	2.30E-05	7.27E-09	2.12E-09	2.02E-05	6.38E-09	1.86E-09
3458	477863.09, 3849377.25	1.94E-05	6.12E-09	1.78E-09	2.37E-05	7.49E-09	2.18E-09	2.08E-05	6.57E-09	1.91E-09
3459	478363.09, 3849377.25	2.37E-05	7.48E-09	2.18E-09	2.90E-05	9.17E-09	2.67E-09	2.55E-05	8.04E-09	2.34E-09
3460	478863.09, 3849377.25	2.75E-05	8.67E-09	2.52E-09	3.36E-05	1.06E-08	3.09E-09	2.95E-05	9.31E-09	2.71E-09
3461	479363.09, 3849377.25	2.74E-05	8.64E-09	2.51E-09	3.35E-05	1.06E-08	3.08E-09	2.94E-05	9.28E-09	2.70E-09
3462	479863.09, 3849377.25	2.13E-05	6.74E-09	1.96E-09	2.61E-05	8.25E-09	2.40E-09	2.29E-05	7.24E-09	2.11E-09
3463	480363.09, 3849377.25	2.11E-05	6.64E-09	1.93E-09	2.58E-05	8.14E-09	2.37E-09	2.26E-05	7.14E-09	2.08E-09
3464	480863.09, 3849377.25	1.84E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.25E-09	1.82E-09
3465	481363.09, 3849377.25	1.52E-05	4.81E-09	1.40E-09	1.87E-05	5.89E-09	1.71E-09	1.64E-05	5.16E-09	1.50E-09
3466	481863.09, 3849377.25	1.02E-05	3.22E-09	9.38E-10	1.25E-05	3.95E-09	1.15E-09	1.10E-05	3.46E-09	1.01E-09
3467	482363.09, 3849377.25	8.78E-06	2.77E-09	8.06E-10	1.08E-05	3.39E-09	9.87E-10	9.43E-06	2.98E-09	8.66E-10
3468	482863.09, 3849377.25	7.12E-06	2.25E-09	6.54E-10	8.73E-06	2.75E-09	8.01E-10	7.65E-06	2.42E-09	7.02E-10
3469	483363.09, 3849377.25	6.46E-06	2.04E-09	5.93E-10	7.91E-06	2.50E-09	7.27E-10	6.94E-06	2.19E-09	6.37E-10
3470	483863.09, 3849377.25	5.54E-06	1.75E-09	5.09E-10	6.78E-06	2.14E-09	6.23E-10	5.95E-06	1.88E-09	5.46E-10
3471	484363.09, 3849377.25	7.99E-06	2.52E-09	7.33E-10	9.78E-06	3.09E-09	8.98E-10	8.58E-06	2.71E-09	7.88E-10
3472	484863.09, 3849377.25	9.81E-06	3.10E-09	9.01E-10	1.20E-05	3.79E-09	1.10E-09	1.05E-05	3.33E-09	9.68E-10
3473	485363.09, 3849377.25	9.32E-06	2.94E-09	8.55E-10	1.14E-05	3.60E-09	1.05E-09	1.00E-05	3.16E-09	9.20E-10
3474	485863.09, 3849377.25	6.98E-06	2.20E-09	6.40E-10	8.55E-06	2.70E-09	7.84E-10	7.49E-06	2.36E-09	6.88E-10
3475	486363.09, 3849377.25	5.73E-06	1.81E-09	5.26E-10	7.02E-06	2.22E-09	6.44E-10	6.16E-06	1.94E-09	5.65E-10
3476	486863.09, 3849377.25	6.70E-06	2.11E-09	6.15E-10	8.20E-06	2.59E-09	7.53E-10	7.20E-06	2.27E-09	6.61E-10
3477	487363.09, 3849377.25	6.89E-06	2.17E-09	6.32E-10	8.44E-06	2.66E-09	7.74E-10	7.40E-06	2.33E-09	6.79E-10
3478	487863.09, 3849377.25	6.65E-06	2.10E-09	6.10E-10	8.14E-06	2.57E-09	7.48E-10	7.14E-06	2.25E-09	6.56E-10
3479	488363.09, 3849377.25	6.69E-06	2.11E-09	6.14E-10	8.19E-06	2.59E-09	7.52E-10	7.18E-06	2.27E-09	6.59E-10
3480	488863.09, 3849377.25	6.96E-06	2.20E-09	6.39E-10	8.52E-06	2.69E-09	7.83E-10	7.47E-06	2.36E-09	6.86E-10
3481	489363.09, 3849377.25	7.21E-06	2.28E-09	6.62E-10	8.84E-06	2.79E-09	8.11E-10	7.74E-06	2.44E-09	7.11E-10
3482	489863.09, 3849377.25	7.28E-06	2.30E-09	6.68E-10	8.91E-06	2.81E-09	8.18E-10	7.82E-06	2.47E-09	7.17E-10
3483	490363.09, 3849377.25	7.05E-06	2.23E-09	6.47E-10	8.64E-06	2.73E-09	7.93E-10	7.57E-06	2.39E-09	6.95E-10
3484	490863.09, 3849377.25	7.04E-06	2.22E-09	6.46E-10	8.62E-06	2.72E-09	7.92E-10	7.56E-06	2.39E-09	6.94E-10
3485	491363.09, 3849377.25	7.10E-06	2.24E-09	6.52E-10	8.70E-06	2.75E-09	7.99E-10	7.63E-06	2.41E-09	7.00E-10
3486	491863.09, 3849377.25	6.94E-06	2.19E-09	6.38E-10	8.51E-06	2.69E-09	7.81E-10	7.46E-06	2.35E-09	6.85E-10
3487	492363.09, 3849377.25	6.86E-06	2.17E-09	6.30E-10	8.41E-06	2.65E-09	7.72E-10	7.37E-06	2.33E-09	6.77E-10
3488	492863.09, 3849377.25	6.46E-06	2.04E-09	5.93E-10	7.91E-06	2.50E-09	7.27E-10	6.94E-06	2.19E-09	6.37E-10
3489	493363.09, 3849377.25	6.59E-06	2.08E-09	6.05E-10	8.07E-06	2.55E-09	7.41E-10	7.08E-06	2.23E-09	6.50E-10
3490	493863.09, 3849377.25	6.87E-06	2.17E-09	6.31E-10	8.42E-06	2.66E-09	7.73E-10	7.37E-06	2.33E-09	6.77E-10
3491	494363.09, 3849377.25	7.46E-06	2.35E-09	6.85E-10	9.14E-06	2.88E-09	8.39E-10	8.01E-06	2.53E-09	7.35E-10
3492	494863.09, 3849377.25	8.84E-06	2.79E-09	8.11E-10	1.08E-05	3.42E-09	9.94E-10	9.49E-06	2.99E-09	8.71E-10
3493	495363.09, 3849377.25	9.62E-06	3.04E-09	8.84E-10	1.18E-05	3.72E-09	1.08E-09	1.03E-05	3.26E-09	9.49E-10
3494	495863.09, 3849377.25	8.20E-06	2.59E-09	7.53E-10	1.00E-05	3.17E-09	9.23E-10	8.81E-06	2.78E-09	8.08E-10
3495	496363.09, 3849377.25	8.34E-06	2.63E-09	7.66E-10	1.02E-05	3.23E-09	9.38E-10	8.96E-06	2.83E-09	8.22E-10
3496	496863.09, 3849377.25	1.12E-05	3.55E-09	1.03E-09	1.38E-05	4.34E-09	1.26E-09	1.21E-05	3.81E-09	1.11E-09
3497	497363.09, 3849377.25	1.26E-05	3.97E-09	1.16E-09	1.54E-05	4.87E-09	1.42E-09	1.35E-05	4.27E-09	1.24E-09
3498	497863.09, 3849377.25	1.67E-05	5.26E-09	1.53E-09	2.04E-05	6.44E-09	1.87E-09	1.79E-05	5.65E-09	1.64E-09
3499	498363.09, 3849377.25	1.65E-05	5.21E-09	1.52E-09	2.02E-05	6.38E-09	1.86E-09	1.77E-05	5.60E-09	1.63E-09
3500	471363.09, 3849877.25	1.20E-05	3.78E-09	1.10E-09	1.47E-05	4.63E-09	1.35E-09	1.29E-05	4.06E-09	1.18E-09
3501	471863.09, 3849877.25	1.35E-05	4.26E-09	1.24E-09	1.65E-05	5.22E-09	1.52E-09	1.45E-05	4.58E-09	1.33E-09
3502	472363.09, 3849877.25	1.50E-05	4.73E-09	1.38E-09	1.84E-05	5.79E-09	1.69E-09	1.61E-05	5.08E-09	1.48E-09
3503	472863.09, 3849877.25	1.63E-05	5.15E-09	1.50E-09	2.00E-05	6.31E-09	1.84E-09	1.75E-05	5.54E-09	1.61E-09
3504	473363.09, 3849877.25	1.74E-05	5.50E-09	1.60E-09	2.14E-05	6.74E-09	1.96E-09	1.87E-05	5.91E-09	1.72E-09
3505	473863.09, 3849877.25	1.88E-05	5.93E-09	1.72E-09	2.30E-05	7.26E-09	2.11E-09	2.02E-05	6.37E-09	1.85E-09
3506	474363.09, 3849877.25	2.01E-05	6.36E-09	1.85E-09	2.47E-05	7.79E-09	2.26E-09	2.16E-05	6.83E-09	1.99E-09
3507	474863.09, 3849877.25	2.13E-05	6.73E-09	1.96E-09	2.61E-05	8.24E-09	2.40E-09	2.29E-05	7.23E-09	2.10E-09
3508	475363.09, 3849877.25	2.22E-05	7.00E-09	2.04E-09	2.72E-05	8.57E-09	2.49E-09	2.38E-05	7.52E-09	2.19E-09
3509	475863.09, 3849877.25	2.29E-05	7.24E-09	2.11E-09	2.81E-05	8.87E-09	2.58E-09	2.46E-05	7.78E-09	2.26E-09
3510	476363.09, 3849877.25	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.09E-09	2.64E-09	2.53E-05	7.97E-09	2.32E-09
3511	476863.09, 3849877.25	2.41E-05	7.62E-09	2.22E-09	2.96E-05	9.33E-09	2.71E-09	2.59E-05	8.18E-09	2.38E-09
3512	477363.09, 3849877.25	2.43E-05	7.68E-09	2.23E-09	2.98E-05	9.40E-09	2.74E-09	2.61E-05	8.25E-09	2.40E-09
3513	477863.09, 3849877.25	2.32E-05	7.33E-09	2.13E-09	2.85E-05	8.98E-09	2.61E-09	2.50E-05	7.88E-09	2.29E-09
3514	478363.09, 3849877.25	2.32E-05	7.31E-09	2.13E-09	2.84E-05	8.96E-09	2.60E-09	2.49E-05	7.86E-09	2.29E-09
3515	478863.09, 3849877.25	2.80E-05	8.85E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.51E-09	2.77E-09
3516	479363.09, 3849877.25	3.24E-05	1.02E-08	2.97E-09	3.96E-05	1.25E-08	3.64E-09	3.48E-05	1.10E-08	3.19E-09

3517	479863.09, 3849877.25	3.36E-05	1.06E-08	3.09E-09	4.12E-05	1.30E-08	3.78E-09	3.61E-05	1.14E-08	3.31E-09
3518	480363.09, 3849877.25	2.76E-05	8.73E-09	2.54E-09	3.39E-05	1.07E-08	3.11E-09	2.97E-05	9.37E-09	2.73E-09
3519	480863.09, 3849877.25	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.44E-09	2.45E-09	2.34E-05	7.40E-09	2.15E-09
3520	481363.09, 3849877.25	1.85E-05	5.84E-09	1.70E-09	2.27E-05	7.16E-09	2.08E-09	1.99E-05	6.28E-09	1.83E-09
3521	481863.09, 3849877.25	1.15E-05	3.64E-09	1.06E-09	1.41E-05	4.45E-09	1.30E-09	1.24E-05	3.91E-09	1.14E-09
3522	482363.09, 3849877.25	8.94E-06	2.82E-09	8.21E-10	1.10E-05	3.46E-09	1.01E-09	9.61E-06	3.03E-09	8.82E-10
3523	482863.09, 3849877.25	7.67E-06	2.42E-09	7.05E-10	9.40E-06	2.97E-09	8.63E-10	8.24E-06	2.60E-09	7.57E-10
3524	483363.09, 3849877.25	6.70E-06	2.11E-09	6.15E-10	8.20E-06	2.59E-09	7.53E-10	7.19E-06	2.27E-09	6.60E-10
3525	483863.09, 3849877.25	6.60E-06	2.08E-09	6.06E-10	8.08E-06	2.55E-09	7.42E-10	7.09E-06	2.24E-09	6.51E-10
3526	484363.09, 3849877.25	9.00E-06	2.84E-09	8.26E-10	1.10E-05	3.48E-09	1.01E-09	9.67E-06	3.05E-09	8.88E-10
3527	484863.09, 3849877.25	1.23E-05	3.88E-09	1.13E-09	1.51E-05	4.75E-09	1.38E-09	1.32E-05	4.17E-09	1.21E-09
3528	485363.09, 3849877.25	1.09E-05	3.42E-09	9.96E-10	1.33E-05	4.20E-09	1.22E-09	1.17E-05	3.68E-09	1.07E-09
3529	485863.09, 3849877.25	8.94E-06	2.82E-09	8.21E-10	1.10E-05	3.46E-09	1.01E-09	9.60E-06	3.03E-09	8.82E-10
3530	486363.09, 3849877.25	8.02E-06	2.53E-09	7.36E-10	9.82E-06	3.10E-09	9.02E-10	8.62E-06	2.72E-09	7.91E-10
3531	486863.09, 3849877.25	8.74E-06	2.76E-09	8.02E-10	1.07E-05	3.38E-09	9.82E-10	9.39E-06	2.96E-09	8.62E-10
3532	487363.09, 3849877.25	8.59E-06	2.71E-09	7.88E-10	1.05E-05	3.32E-09	9.66E-10	9.22E-06	2.91E-09	8.47E-10
3533	487863.09, 3849877.25	8.37E-06	2.64E-09	7.69E-10	1.03E-05	3.24E-09	9.41E-10	8.99E-06	2.84E-09	8.26E-10
3534	488363.09, 3849877.25	8.59E-06	2.71E-09	7.88E-10	1.05E-05	3.32E-09	9.66E-10	9.22E-06	2.91E-09	8.47E-10
3535	488863.09, 3849877.25	8.93E-06	2.82E-09	8.20E-10	1.09E-05	3.45E-09	1.00E-09	9.59E-06	3.03E-09	8.80E-10
3536	489363.09, 3849877.25	9.05E-06	2.86E-09	8.31E-10	1.11E-05	3.50E-09	1.02E-09	9.72E-06	3.07E-09	8.92E-10
3537	489863.09, 3849877.25	8.98E-06	2.83E-09	8.25E-10	1.10E-05	3.47E-09	1.01E-09	9.65E-06	3.04E-09	8.86E-10
3538	490363.09, 3849877.25	8.76E-06	2.77E-09	8.05E-10	1.07E-05	3.39E-09	9.86E-10	9.42E-06	2.97E-09	8.64E-10
3539	490863.09, 3849877.25	8.90E-06	2.81E-09	8.17E-10	1.09E-05	3.44E-09	1.00E-09	9.56E-06	3.02E-09	8.78E-10
3540	491363.09, 3849877.25	9.11E-06	2.88E-09	8.36E-10	1.12E-05	3.52E-09	1.02E-09	9.79E-06	3.09E-09	8.98E-10
3541	491863.09, 3849877.25	8.97E-06	2.83E-09	8.23E-10	1.10E-05	3.47E-09	1.01E-09	9.63E-06	3.04E-09	8.84E-10
3542	492363.09, 3849877.25	8.98E-06	2.84E-09	8.25E-10	1.10E-05	3.47E-09	1.01E-09	9.65E-06	3.04E-09	8.86E-10
3543	492863.09, 3849877.25	8.69E-06	2.74E-09	7.97E-10	1.06E-05	3.36E-09	9.77E-10	9.32E-06	2.94E-09	8.56E-10
3544	493363.09, 3849877.25	8.44E-06	2.66E-09	7.75E-10	1.03E-05	3.26E-09	9.49E-10	9.06E-06	2.86E-09	8.31E-10
3545	493863.09, 3849877.25	8.49E-06	2.68E-09	7.79E-10	1.04E-05	3.28E-09	9.55E-10	9.11E-06	2.88E-09	8.37E-10
3546	494363.09, 3849877.25	1.05E-05	3.32E-09	9.66E-10	1.29E-05	4.07E-09	1.18E-09	1.13E-05	3.56E-09	1.04E-09
3547	494863.09, 3849877.25	1.23E-05	3.87E-09	1.13E-09	1.50E-05	4.74E-09	1.38E-09	1.32E-05	4.16E-09	1.21E-09
3548	495363.09, 3849877.25	1.13E-05	3.57E-09	1.04E-09	1.38E-05	4.37E-09	1.27E-09	1.21E-05	3.83E-09	1.11E-09
3549	495863.09, 3849877.25	1.33E-05	4.21E-09	1.22E-09	1.63E-05	5.16E-09	1.50E-09	1.43E-05	4.52E-09	1.31E-09
3550	496363.09, 3849877.25	1.44E-05	4.55E-09	1.32E-09	1.76E-05	5.57E-09	1.62E-09	1.55E-05	4.88E-09	1.42E-09
3551	496863.09, 3849877.25	1.53E-05	4.83E-09	1.41E-09	1.88E-05	5.92E-09	1.72E-09	1.64E-05	5.19E-09	1.51E-09
3552	497363.09, 3849877.25	1.86E-05	5.88E-09	1.71E-09	2.28E-05	7.21E-09	2.10E-09	2.00E-05	6.32E-09	1.84E-09
3553	497863.09, 3849877.25	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.81E-09	2.27E-09	2.17E-05	6.85E-09	1.99E-09
3554	498363.09, 3849877.25	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.67E-09	2.23E-09	2.13E-05	6.72E-09	1.96E-09
3555	471363.09, 3850377.25	1.06E-05	3.33E-09	9.69E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.58E-09	1.04E-09
3556	471863.09, 3850377.25	1.31E-05	4.15E-09	1.21E-09	1.61E-05	5.08E-09	1.48E-09	1.41E-05	4.45E-09	1.30E-09
3557	472363.09, 3850377.25	1.42E-05	4.48E-09	1.30E-09	1.74E-05	5.49E-09	1.60E-09	1.53E-05	4.81E-09	1.40E-09
3558	472863.09, 3850377.25	1.61E-05	5.07E-09	1.47E-09	1.97E-05	6.21E-09	1.81E-09	1.72E-05	5.44E-09	1.58E-09
3559	473363.09, 3850377.25	1.70E-05	5.38E-09	1.57E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
3560	473863.09, 3850377.25	1.86E-05	5.86E-09	1.70E-09	2.27E-05	7.18E-09	2.09E-09	1.99E-05	6.30E-09	1.83E-09
3561	474363.09, 3850377.25	2.02E-05	6.37E-09	1.85E-09	2.47E-05	7.81E-09	2.27E-09	2.17E-05	6.85E-09	1.99E-09
3562	474863.09, 3850377.25	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.44E-09	2.45E-09	2.34E-05	7.40E-09	2.15E-09
3563	475363.09, 3850377.25	2.35E-05	7.41E-09	2.15E-09	2.87E-05	9.07E-09	2.64E-09	2.52E-05	7.96E-09	2.31E-09
3564	475863.09, 3850377.25	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.61E-09	2.80E-09	2.67E-05	8.43E-09	2.45E-09
3565	476363.09, 3850377.25	2.60E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.80E-09	2.56E-09
3566	476863.09, 3850377.25	2.69E-05	8.49E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.65E-09
3567	477363.09, 3850377.25	2.77E-05	8.76E-09	2.55E-09	3.40E-05	1.07E-08	3.12E-09	2.98E-05	9.41E-09	2.74E-09
3568	477863.09, 3850377.25	2.81E-05	8.86E-09	2.58E-09	3.44E-05	1.09E-08	3.16E-09	3.02E-05	9.52E-09	2.77E-09
3569	478363.09, 3850377.25	2.72E-05	8.57E-09	2.49E-09	3.33E-05	1.05E-08	3.05E-09	2.92E-05	9.21E-09	2.68E-09
3570	478863.09, 3850377.25	2.86E-05	9.03E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.08E-05	9.71E-09	2.82E-09
3571	479363.09, 3850377.25	3.35E-05	1.06E-08	3.08E-09	4.11E-05	1.30E-08	3.77E-09	3.60E-05	1.14E-08	3.31E-09
3572	479863.09, 3850377.25	3.83E-05	1.21E-08	3.52E-09	4.69E-05	1.48E-08	4.31E-09	4.11E-05	1.30E-08	3.78E-09
3573	480363.09, 3850377.25	3.88E-05	1.22E-08	3.56E-09	4.75E-05	1.50E-08	4.36E-09	4.16E-05	1.31E-08	3.82E-09
3574	480863.09, 3850377.25	3.54E-05	1.12E-08	3.25E-09	4.33E-05	1.37E-08	3.98E-09	3.80E-05	1.20E-08	3.49E-09
3575	481363.09, 3850377.25	2.34E-05	7.40E-09	2.15E-09	2.87E-05	9.07E-09	2.64E-09	2.52E-05	7.95E-09	2.31E-09
3576	481863.09, 3850377.25	2.14E-05	6.77E-09	1.97E-09	2.63E-05	8.29E-09	2.41E-09	2.30E-05	7.27E-09	2.11E-09
3577	482363.09, 3850377.25	1.86E-05	5.87E-09	1.71E-09	2.28E-05	7.19E-09	2.09E-09	2.00E-05	6.31E-09	1.84E-09
3578	482863.09, 3850377.25	1.20E-05	3.79E-09	1.10E-09	1.47E-05	4.64E-09	1.35E-09	1.29E-05	4.07E-09	1.18E-09
3579	483363.09, 3850377.25	9.40E-06	2.97E-09	8.63E-10	1.15E-05	3.64E-09	1.06E-09	1.01E-05	3.19E-09	9.27E-10
3580	483863.09, 3850377.25	1.02E-05	3.23E-09	9.39E-10	1.25E-05	3.95E-09	1.15E-09	1.10E-05	3.47E-09	1.01E-09

3581	484363.09, 3850377.25	1.24E-05	3.91E-09	1.14E-09	1.52E-05	4.80E-09	1.39E-09	1.33E-05	4.21E-09	1.22E-09
3582	484863.09, 3850377.25	1.49E-05	4.71E-09	1.37E-09	1.83E-05	5.77E-09	1.68E-09	1.61E-05	5.07E-09	1.47E-09
3583	485363.09, 3850377.25	1.43E-05	4.53E-09	1.32E-09	1.76E-05	5.55E-09	1.61E-09	1.54E-05	4.87E-09	1.42E-09
3584	485863.09, 3850377.25	1.26E-05	3.96E-09	1.15E-09	1.54E-05	4.85E-09	1.41E-09	1.35E-05	4.26E-09	1.24E-09
3585	486363.09, 3850377.25	1.20E-05	3.78E-09	1.10E-09	1.47E-05	4.63E-09	1.35E-09	1.29E-05	4.06E-09	1.18E-09
3586	486863.09, 3850377.25	1.16E-05	3.66E-09	1.07E-09	1.42E-05	4.49E-09	1.30E-09	1.25E-05	3.94E-09	1.14E-09
3587	487363.09, 3850377.25	1.08E-05	3.42E-09	9.96E-10	1.33E-05	4.19E-09	1.22E-09	1.17E-05	3.68E-09	1.07E-09
3588	487863.09, 3850377.25	1.11E-05	3.50E-09	1.02E-09	1.36E-05	4.29E-09	1.25E-09	1.19E-05	3.76E-09	1.09E-09
3589	488363.09, 3850377.25	1.13E-05	3.56E-09	1.04E-09	1.38E-05	4.36E-09	1.27E-09	1.21E-05	3.82E-09	1.11E-09
3590	488863.09, 3850377.25	1.15E-05	3.63E-09	1.06E-09	1.41E-05	4.45E-09	1.29E-09	1.24E-05	3.90E-09	1.13E-09
3591	489363.09, 3850377.25	1.16E-05	3.67E-09	1.07E-09	1.43E-05	4.50E-09	1.31E-09	1.25E-05	3.95E-09	1.15E-09
3592	489863.09, 3850377.25	1.14E-05	3.61E-09	1.05E-09	1.40E-05	4.42E-09	1.29E-09	1.23E-05	3.88E-09	1.13E-09
3593	490363.09, 3850377.25	1.15E-05	3.62E-09	1.05E-09	1.41E-05	4.44E-09	1.29E-09	1.23E-05	3.89E-09	1.13E-09
3594	490863.09, 3850377.25	1.19E-05	3.74E-09	1.09E-09	1.45E-05	4.58E-09	1.33E-09	1.27E-05	4.02E-09	1.17E-09
3595	491363.09, 3850377.25	1.22E-05	3.84E-09	1.12E-09	1.49E-05	4.70E-09	1.37E-09	1.31E-05	4.12E-09	1.20E-09
3596	491863.09, 3850377.25	1.20E-05	3.77E-09	1.10E-09	1.46E-05	4.62E-09	1.34E-09	1.28E-05	4.05E-09	1.18E-09
3597	492363.09, 3850377.25	1.16E-05	3.65E-09	1.06E-09	1.42E-05	4.47E-09	1.30E-09	1.24E-05	3.92E-09	1.14E-09
3598	492863.09, 3850377.25	1.16E-05	3.65E-09	1.06E-09	1.42E-05	4.47E-09	1.30E-09	1.24E-05	3.92E-09	1.14E-09
3599	493363.09, 3850377.25	1.13E-05	3.56E-09	1.04E-09	1.38E-05	4.36E-09	1.27E-09	1.21E-05	3.82E-09	1.11E-09
3600	493863.09, 3850377.25	1.27E-05	4.00E-09	1.16E-09	1.55E-05	4.90E-09	1.43E-09	1.36E-05	4.29E-09	1.25E-09
3601	494363.09, 3850377.25	1.39E-05	4.40E-09	1.28E-09	1.71E-05	5.39E-09	1.57E-09	1.50E-05	4.72E-09	1.37E-09
3602	494863.09, 3850377.25	1.60E-05	5.04E-09	1.47E-09	1.96E-05	6.17E-09	1.80E-09	1.71E-05	5.41E-09	1.57E-09
3603	495363.09, 3850377.25	1.85E-05	5.83E-09	1.70E-09	2.26E-05	7.15E-09	2.08E-09	1.98E-05	6.26E-09	1.82E-09
3604	495863.09, 3850377.25	1.80E-05	5.69E-09	1.65E-09	2.21E-05	6.96E-09	2.03E-09	1.93E-05	6.11E-09	1.78E-09
3605	496363.09, 3850377.25	2.05E-05	6.48E-09	1.89E-09	2.52E-05	7.94E-09	2.31E-09	2.21E-05	6.96E-09	2.03E-09
3606	496863.09, 3850377.25	2.30E-05	7.26E-09	2.11E-09	2.82E-05	8.89E-09	2.59E-09	2.47E-05	7.80E-09	2.27E-09
3607	497363.09, 3850377.25	2.43E-05	7.66E-09	2.23E-09	2.97E-05	9.38E-09	2.73E-09	2.61E-05	8.22E-09	2.39E-09
3608	497863.09, 3850377.25	2.44E-05	7.70E-09	2.24E-09	2.99E-05	9.43E-09	2.74E-09	2.62E-05	8.27E-09	2.40E-09
3609	498363.09, 3850377.25	2.44E-05	7.71E-09	2.24E-09	2.99E-05	9.45E-09	2.75E-09	2.62E-05	8.28E-09	2.41E-09
3610	471363.09, 3850877.25	1.31E-05	4.13E-09	1.20E-09	1.60E-05	5.06E-09	1.47E-09	1.41E-05	4.43E-09	1.29E-09
3611	471863.09, 3850877.25	1.44E-05	4.55E-09	1.32E-09	1.77E-05	5.57E-09	1.62E-09	1.55E-05	4.89E-09	1.42E-09
3612	472363.09, 3850877.25	1.60E-05	5.04E-09	1.47E-09	1.96E-05	6.18E-09	1.80E-09	1.72E-05	5.42E-09	1.58E-09
3613	472863.09, 3850877.25	1.72E-05	5.43E-09	1.58E-09	2.11E-05	6.65E-09	1.93E-09	1.85E-05	5.83E-09	1.70E-09
3614	473363.09, 3850877.25	1.68E-05	5.32E-09	1.55E-09	2.06E-05	6.51E-09	1.89E-09	1.81E-05	5.71E-09	1.66E-09
3615	473863.09, 3850877.25	1.84E-05	5.80E-09	1.69E-09	2.25E-05	7.10E-09	2.06E-09	1.97E-05	6.23E-09	1.81E-09
3616	474363.09, 3850877.25	2.05E-05	6.47E-09	1.88E-09	2.51E-05	7.92E-09	2.30E-09	2.20E-05	6.95E-09	2.02E-09
3617	474863.09, 3850877.25	2.21E-05	6.97E-09	2.03E-09	2.71E-05	8.54E-09	2.48E-09	2.37E-05	7.49E-09	2.18E-09
3618	475363.09, 3850877.25	2.38E-05	7.51E-09	2.19E-09	2.92E-05	9.20E-09	2.68E-09	2.56E-05	8.07E-09	2.35E-09
3619	475863.09, 3850877.25	2.57E-05	8.12E-09	2.36E-09	3.15E-05	9.95E-09	2.89E-09	2.77E-05	8.73E-09	2.54E-09
3620	476363.09, 3850877.25	2.77E-05	8.74E-09	2.54E-09	3.39E-05	1.07E-08	3.11E-09	2.97E-05	9.39E-09	2.73E-09
3621	476863.09, 3850877.25	2.95E-05	9.30E-09	2.71E-09	3.61E-05	1.14E-08	3.31E-09	3.17E-05	1.00E-08	2.91E-09
3622	477363.09, 3850877.25	3.10E-05	9.79E-09	2.85E-09	3.80E-05	1.20E-08	3.49E-09	3.33E-05	1.05E-08	3.06E-09
3623	477863.09, 3850877.25	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
3624	478363.09, 3850877.25	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.54E-05	1.12E-08	3.25E-09
3625	478863.09, 3850877.25	3.33E-05	1.05E-08	3.05E-09	4.08E-05	1.29E-08	3.74E-09	3.58E-05	1.13E-08	3.28E-09
3626	479363.09, 3850877.25	3.41E-05	1.08E-08	3.13E-09	4.18E-05	1.32E-08	3.83E-09	3.67E-05	1.16E-08	3.37E-09
3627	479863.09, 3850877.25	3.90E-05	1.23E-08	3.58E-09	4.77E-05	1.51E-08	4.38E-09	4.19E-05	1.32E-08	3.84E-09
3628	480363.09, 3850877.25	4.60E-05	1.45E-08	4.22E-09	5.63E-05	1.78E-08	5.17E-09	4.94E-05	1.56E-08	4.54E-09
3629	480863.09, 3850877.25	4.78E-05	1.51E-08	4.39E-09	5.86E-05	1.85E-08	5.38E-09	5.14E-05	1.62E-08	4.72E-09
3630	481363.09, 3850877.25	4.33E-05	1.37E-08	3.97E-09	5.30E-05	1.67E-08	4.87E-09	4.65E-05	1.47E-08	4.27E-09
3631	481863.09, 3850877.25	3.56E-05	1.12E-08	3.27E-09	4.36E-05	1.38E-08	4.01E-09	3.83E-05	1.21E-08	3.51E-09
3632	482363.09, 3850877.25	2.77E-05	8.73E-09	2.54E-09	3.39E-05	1.07E-08	3.11E-09	2.97E-05	9.38E-09	2.73E-09
3633	482863.09, 3850877.25	2.14E-05	6.77E-09	1.97E-09	2.63E-05	8.29E-09	2.41E-09	2.30E-05	7.27E-09	2.12E-09
3634	483363.09, 3850877.25	1.60E-05	5.04E-09	1.47E-09	1.96E-05	6.18E-09	1.80E-09	1.72E-05	5.42E-09	1.58E-09
3635	483863.09, 3850877.25	1.55E-05	4.89E-09	1.42E-09	1.90E-05	6.00E-09	1.74E-09	1.67E-05	5.26E-09	1.53E-09
3636	484363.09, 3850877.25	1.80E-05	5.69E-09	1.66E-09	2.21E-05	6.97E-09	2.03E-09	1.94E-05	6.12E-09	1.78E-09
3637	484863.09, 3850877.25	1.76E-05	5.54E-09	1.61E-09	2.15E-05	6.79E-09	1.98E-09	1.89E-05	5.96E-09	1.73E-09
3638	485363.09, 3850877.25	1.84E-05	5.79E-09	1.68E-09	2.25E-05	7.10E-09	2.06E-09	1.97E-05	6.22E-09	1.81E-09
3639	485863.09, 3850877.25	1.53E-05	4.83E-09	1.40E-09	1.87E-05	5.91E-09	1.72E-09	1.64E-05	5.19E-09	1.51E-09
3640	486363.09, 3850877.25	1.57E-05	4.97E-09	1.45E-09	1.93E-05	6.09E-09	1.77E-09	1.69E-05	5.34E-09	1.55E-09
3641	486863.09, 3850877.25	1.51E-05	4.76E-09	1.38E-09	1.85E-05	5.83E-09	1.70E-09	1.62E-05	5.11E-09	1.49E-09
3642	487363.09, 3850877.25	1.44E-05	4.55E-09	1.32E-09	1.77E-05	5.57E-09	1.62E-09	1.55E-05	4.89E-09	1.42E-09
3643	487863.09, 3850877.25	1.47E-05	4.63E-09	1.35E-09	1.80E-05	5.67E-09	1.65E-09	1.57E-05	4.97E-09	1.45E-09
3644	488363.09, 3850877.25	1.50E-05	4.73E-09	1.37E-09	1.83E-05	5.79E-09	1.68E-09	1.61E-05	5.08E-09	1.48E-09

3645	488863.09, 3850877.25	1.51E-05	4.78E-09	1.39E-09	1.85E-05	5.85E-09	1.70E-09	1.63E-05	5.13E-09	1.49E-09
3646	489363.09, 3850877.25	1.54E-05	4.88E-09	1.42E-09	1.89E-05	5.97E-09	1.74E-09	1.66E-05	5.24E-09	1.52E-09
3647	489863.09, 3850877.25	1.56E-05	4.93E-09	1.43E-09	1.91E-05	6.04E-09	1.76E-09	1.68E-05	5.29E-09	1.54E-09
3648	490363.09, 3850877.25	1.63E-05	5.13E-09	1.49E-09	1.99E-05	6.28E-09	1.83E-09	1.75E-05	5.51E-09	1.60E-09
3649	490863.09, 3850877.25	1.69E-05	5.32E-09	1.55E-09	2.07E-05	6.52E-09	1.90E-09	1.81E-05	5.71E-09	1.66E-09
3650	491363.09, 3850877.25	1.68E-05	5.31E-09	1.55E-09	2.06E-05	6.51E-09	1.89E-09	1.81E-05	5.70E-09	1.66E-09
3651	491863.09, 3850877.25	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.40E-09	1.86E-09	1.78E-05	5.61E-09	1.63E-09
3652	492363.09, 3850877.25	1.64E-05	5.17E-09	1.50E-09	2.01E-05	6.34E-09	1.84E-09	1.76E-05	5.55E-09	1.61E-09
3653	492863.09, 3850877.25	1.65E-05	5.20E-09	1.51E-09	2.02E-05	6.37E-09	1.85E-09	1.77E-05	5.58E-09	1.62E-09
3654	493363.09, 3850877.25	1.70E-05	5.36E-09	1.56E-09	2.08E-05	6.56E-09	1.91E-09	1.82E-05	5.75E-09	1.67E-09
3655	493863.09, 3850877.25	1.90E-05	6.00E-09	1.75E-09	2.33E-05	7.35E-09	2.14E-09	2.04E-05	6.44E-09	1.87E-09
3656	494363.09, 3850877.25	2.02E-05	6.37E-09	1.85E-09	2.47E-05	7.81E-09	2.27E-09	2.17E-05	6.84E-09	1.99E-09
3657	494863.09, 3850877.25	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.74E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
3658	495363.09, 3850877.25	2.52E-05	7.96E-09	2.32E-09	3.09E-05	9.76E-09	2.84E-09	2.71E-05	8.55E-09	2.49E-09
3659	495863.09, 3850877.25	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.79E-09	2.56E-09
3660	496363.09, 3850877.25	2.75E-05	8.68E-09	2.52E-09	3.37E-05	1.06E-08	3.09E-09	2.95E-05	9.32E-09	2.71E-09
3661	496863.09, 3850877.25	3.00E-05	9.46E-09	2.75E-09	3.67E-05	1.16E-08	3.37E-09	3.22E-05	1.02E-08	2.95E-09
3662	497363.09, 3850877.25	3.03E-05	9.56E-09	2.78E-09	3.71E-05	1.17E-08	3.41E-09	3.25E-05	1.03E-08	2.99E-09
3663	497863.09, 3850877.25	2.99E-05	9.43E-09	2.74E-09	3.66E-05	1.16E-08	3.36E-09	3.21E-05	1.01E-08	2.95E-09
3664	498363.09, 3850877.25	2.94E-05	9.28E-09	2.70E-09	3.60E-05	1.14E-08	3.31E-09	3.16E-05	9.97E-09	2.90E-09
3665	471363.09, 3851377.25	1.40E-05	4.41E-09	1.28E-09	1.71E-05	5.41E-09	1.57E-09	1.50E-05	4.74E-09	1.38E-09
3666	471863.09, 3851377.25	1.67E-05	5.27E-09	1.53E-09	2.04E-05	6.45E-09	1.88E-09	1.79E-05	5.66E-09	1.65E-09
3667	472363.09, 3851377.25	1.72E-05	5.44E-09	1.58E-09	2.11E-05	6.66E-09	1.94E-09	1.85E-05	5.84E-09	1.70E-09
3668	472863.09, 3851377.25	1.79E-05	5.63E-09	1.64E-09	2.19E-05	6.90E-09	2.01E-09	1.92E-05	6.05E-09	1.76E-09
3669	473363.09, 3851377.25	1.70E-05	5.37E-09	1.56E-09	2.08E-05	6.58E-09	1.91E-09	1.83E-05	5.76E-09	1.68E-09
3670	473863.09, 3851377.25	1.79E-05	5.65E-09	1.64E-09	2.19E-05	6.92E-09	2.01E-09	1.92E-05	6.07E-09	1.77E-09
3671	474363.09, 3851377.25	2.02E-05	6.39E-09	1.86E-09	2.48E-05	7.82E-09	2.28E-09	2.17E-05	6.86E-09	1.99E-09
3672	474863.09, 3851377.25	2.21E-05	6.98E-09	2.03E-09	2.71E-05	8.55E-09	2.49E-09	2.37E-05	7.50E-09	2.18E-09
3673	475363.09, 3851377.25	2.42E-05	7.62E-09	2.22E-09	2.96E-05	9.34E-09	2.72E-09	2.60E-05	8.19E-09	2.38E-09
3674	475863.09, 3851377.25	2.60E-05	8.22E-09	2.39E-09	3.19E-05	1.01E-08	2.93E-09	2.80E-05	8.83E-09	2.57E-09
3675	476363.09, 3851377.25	2.82E-05	8.90E-09	2.59E-09	3.45E-05	1.09E-08	3.17E-09	3.03E-05	9.56E-09	2.78E-09
3676	476863.09, 3851377.25	3.02E-05	9.54E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.25E-05	1.02E-08	2.98E-09
3677	477363.09, 3851377.25	3.32E-05	1.05E-08	3.05E-09	4.07E-05	1.28E-08	3.74E-09	3.57E-05	1.13E-08	3.28E-09
3678	477863.09, 3851377.25	3.56E-05	1.12E-08	3.27E-09	4.36E-05	1.38E-08	4.01E-09	3.83E-05	1.21E-08	3.51E-09
3679	478363.09, 3851377.25	3.75E-05	1.18E-08	3.45E-09	4.60E-05	1.45E-08	4.22E-09	4.03E-05	1.27E-08	3.70E-09
3680	478863.09, 3851377.25	3.89E-05	1.23E-08	3.58E-09	4.77E-05	1.51E-08	4.38E-09	4.19E-05	1.32E-08	3.84E-09
3681	479363.09, 3851377.25	3.97E-05	1.25E-08	3.64E-09	4.86E-05	1.53E-08	4.46E-09	4.26E-05	1.35E-08	3.91E-09
3682	479863.09, 3851377.25	4.07E-05	1.29E-08	3.74E-09	4.99E-05	1.57E-08	4.58E-09	4.38E-05	1.38E-08	4.02E-09
3683	480363.09, 3851377.25	4.64E-05	1.46E-08	4.26E-09	5.69E-05	1.79E-08	5.22E-09	4.99E-05	1.57E-08	4.58E-09
3684	480863.09, 3851377.25	5.47E-05	1.73E-08	5.03E-09	6.71E-05	2.12E-08	6.16E-09	5.88E-05	1.86E-08	5.40E-09
3685	481363.09, 3851377.25	5.76E-05	1.82E-08	5.29E-09	7.06E-05	2.23E-08	6.48E-09	6.19E-05	1.95E-08	5.69E-09
3686	481863.09, 3851377.25	5.12E-05	1.62E-08	4.70E-09	6.27E-05	1.98E-08	5.76E-09	5.50E-05	1.74E-08	5.05E-09
3687	482363.09, 3851377.25	4.42E-05	1.40E-08	4.06E-09	5.42E-05	1.71E-08	4.98E-09	4.75E-05	1.50E-08	4.36E-09
3688	482863.09, 3851377.25	3.44E-05	1.08E-08	3.15E-09	4.21E-05	1.33E-08	3.86E-09	3.69E-05	1.17E-08	3.39E-09
3689	483363.09, 3851377.25	2.44E-05	7.69E-09	2.24E-09	2.98E-05	9.42E-09	2.74E-09	2.62E-05	8.26E-09	2.40E-09
3690	483863.09, 3851377.25	2.12E-05	6.70E-09	1.95E-09	2.60E-05	8.21E-09	2.39E-09	2.28E-05	7.20E-09	2.09E-09
3691	484363.09, 3851377.25	2.66E-05	8.40E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.02E-09	2.62E-09
3692	484863.09, 3851377.25	1.84E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.25E-09	1.82E-09
3693	485363.09, 3851377.25	2.47E-05	7.78E-09	2.26E-09	3.02E-05	9.53E-09	2.77E-09	2.65E-05	8.36E-09	2.43E-09
3694	485863.09, 3851377.25	1.99E-05	6.30E-09	1.83E-09	2.44E-05	7.71E-09	2.24E-09	2.14E-05	6.77E-09	1.97E-09
3695	486363.09, 3851377.25	2.17E-05	6.86E-09	1.99E-09	2.66E-05	8.40E-09	2.44E-09	2.33E-05	7.37E-09	2.14E-09
3696	486863.09, 3851377.25	2.05E-05	6.48E-09	1.89E-09	2.52E-05	7.94E-09	2.31E-09	2.21E-05	6.97E-09	2.03E-09
3697	487363.09, 3851377.25	1.77E-05	5.60E-09	1.63E-09	2.17E-05	6.86E-09	1.99E-09	1.90E-05	6.01E-09	1.75E-09
3698	487863.09, 3851377.25	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.67E-09	2.23E-09	2.13E-05	6.73E-09	1.96E-09
3699	488363.09, 3851377.25	2.06E-05	6.50E-09	1.89E-09	2.52E-05	7.97E-09	2.32E-09	2.21E-05	6.99E-09	2.03E-09
3700	488863.09, 3851377.25	2.09E-05	6.61E-09	1.92E-09	2.57E-05	8.10E-09	2.35E-09	2.25E-05	7.10E-09	2.07E-09
3701	489363.09, 3851377.25	2.16E-05	6.82E-09	1.98E-09	2.65E-05	8.35E-09	2.43E-09	2.32E-05	7.32E-09	2.13E-09
3702	489863.09, 3851377.25	2.23E-05	7.03E-09	2.05E-09	2.73E-05	8.61E-09	2.51E-09	2.39E-05	7.55E-09	2.20E-09
3703	490363.09, 3851377.25	2.31E-05	7.28E-09	2.12E-09	2.83E-05	8.92E-09	2.59E-09	2.48E-05	7.82E-09	2.27E-09
3704	490863.09, 3851377.25	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.10E-09	2.65E-09	2.53E-05	7.97E-09	2.32E-09
3705	491363.09, 3851377.25	2.33E-05	7.36E-09	2.14E-09	2.86E-05	9.02E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
3706	491863.09, 3851377.25	2.33E-05	7.36E-09	2.14E-09	2.86E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
3707	492363.09, 3851377.25	2.37E-05	7.47E-09	2.17E-09	2.90E-05	9.15E-09	2.66E-09	2.54E-05	8.02E-09	2.33E-09
3708	492863.09, 3851377.25	2.33E-05	7.37E-09	2.14E-09	2.86E-05	9.03E-09	2.63E-09	2.51E-05	7.91E-09	2.30E-09

3709	493363.09, 3851377.25	2.12E-05	6.70E-09	1.95E-09	2.60E-05	8.21E-09	2.39E-09	2.28E-05	7.19E-09	2.09E-09
3710	493863.09, 3851377.25	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.09E-09	2.65E-09	2.53E-05	7.97E-09	2.32E-09
3711	494363.09, 3851377.25	2.83E-05	8.93E-09	2.60E-09	3.47E-05	1.09E-08	3.18E-09	3.04E-05	9.59E-09	2.79E-09
3712	494863.09, 3851377.25	2.97E-05	9.36E-09	2.72E-09	3.63E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.92E-09
3713	495363.09, 3851377.25	3.46E-05	1.09E-08	3.18E-09	4.24E-05	1.34E-08	3.89E-09	3.71E-05	1.17E-08	3.41E-09
3714	495863.09, 3851377.25	3.65E-05	1.15E-08	3.35E-09	4.47E-05	1.41E-08	4.11E-09	3.92E-05	1.24E-08	3.60E-09
3715	496363.09, 3851377.25	3.75E-05	1.18E-08	3.44E-09	4.59E-05	1.45E-08	4.21E-09	4.02E-05	1.27E-08	3.69E-09
3716	496863.09, 3851377.25	3.77E-05	1.19E-08	3.46E-09	4.62E-05	1.46E-08	4.24E-09	4.05E-05	1.28E-08	3.72E-09
3717	497363.09, 3851377.25	3.77E-05	1.19E-08	3.46E-09	4.62E-05	1.46E-08	4.24E-09	4.05E-05	1.28E-08	3.72E-09
3718	497863.09, 3851377.25	3.70E-05	1.17E-08	3.40E-09	4.53E-05	1.43E-08	4.16E-09	3.97E-05	1.25E-08	3.65E-09
3719	498363.09, 3851377.25	3.49E-05	1.10E-08	3.20E-09	4.28E-05	1.35E-08	3.93E-09	3.75E-05	1.18E-08	3.44E-09
3720	471363.09, 3851877.25	1.56E-05	4.91E-09	1.43E-09	1.91E-05	6.02E-09	1.75E-09	1.67E-05	5.27E-09	1.53E-09
3721	471863.09, 3851877.25	1.53E-05	4.84E-09	1.41E-09	1.88E-05	5.93E-09	1.72E-09	1.65E-05	5.20E-09	1.51E-09
3722	472363.09, 3851877.25	1.71E-05	5.40E-09	1.57E-09	2.09E-05	6.61E-09	1.92E-09	1.84E-05	5.80E-09	1.69E-09
3723	472863.09, 3851877.25	1.87E-05	5.90E-09	1.72E-09	2.29E-05	7.23E-09	2.10E-09	2.01E-05	6.34E-09	1.84E-09
3724	473363.09, 3851877.25	1.81E-05	5.70E-09	1.66E-09	2.21E-05	6.99E-09	2.03E-09	1.94E-05	6.13E-09	1.78E-09
3725	473863.09, 3851877.25	1.88E-05	5.94E-09	1.73E-09	2.30E-05	7.27E-09	2.11E-09	2.02E-05	6.38E-09	1.85E-09
3726	474363.09, 3851877.25	2.16E-05	6.80E-09	1.98E-09	2.64E-05	8.34E-09	2.42E-09	2.32E-05	7.31E-09	2.13E-09
3727	474863.09, 3851877.25	2.40E-05	7.56E-09	2.20E-09	2.93E-05	9.26E-09	2.69E-09	2.57E-05	8.12E-09	2.36E-09
3728	475363.09, 3851877.25	2.54E-05	8.02E-09	2.33E-09	3.11E-05	9.82E-09	2.86E-09	2.73E-05	8.61E-09	2.50E-09
3729	475863.09, 3851877.25	2.66E-05	8.40E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.02E-09	2.62E-09
3730	476363.09, 3851877.25	2.71E-05	8.55E-09	2.49E-09	3.32E-05	1.05E-08	3.05E-09	2.91E-05	9.18E-09	2.67E-09
3731	476863.09, 3851877.25	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
3732	477363.09, 3851877.25	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.54E-05	1.12E-08	3.25E-09
3733	477863.09, 3851877.25	3.64E-05	1.15E-08	3.34E-09	4.46E-05	1.41E-08	4.09E-09	3.91E-05	1.23E-08	3.59E-09
3734	478363.09, 3851877.25	3.94E-05	1.24E-08	3.62E-09	4.83E-05	1.52E-08	4.43E-09	4.23E-05	1.34E-08	3.89E-09
3735	478863.09, 3851877.25	4.34E-05	1.37E-08	3.99E-09	5.32E-05	1.68E-08	4.88E-09	4.66E-05	1.47E-08	4.28E-09
3736	479363.09, 3851877.25	4.67E-05	1.47E-08	4.29E-09	5.72E-05	1.81E-08	5.25E-09	5.02E-05	1.58E-08	4.61E-09
3737	479863.09, 3851877.25	4.83E-05	1.52E-08	4.43E-09	5.91E-05	1.87E-08	5.43E-09	5.19E-05	1.64E-08	4.76E-09
3738	480363.09, 3851877.25	4.96E-05	1.57E-08	4.56E-09	6.08E-05	1.92E-08	5.58E-09	5.34E-05	1.68E-08	4.90E-09
3739	480863.09, 3851877.25	5.63E-05	1.78E-08	5.16E-09	6.89E-05	2.17E-08	6.33E-09	6.05E-05	1.91E-08	5.55E-09
3740	481363.09, 3851877.25	6.63E-05	2.09E-08	6.09E-09	8.12E-05	2.56E-08	7.46E-09	7.13E-05	2.25E-08	6.54E-09
3741	481863.09, 3851877.25	7.04E-05	2.22E-08	6.46E-09	8.62E-05	2.72E-08	7.92E-09	7.57E-05	2.39E-08	6.95E-09
3742	482363.09, 3851877.25	5.66E-05	1.79E-08	5.19E-09	6.93E-05	2.19E-08	6.36E-09	6.08E-05	1.92E-08	5.58E-09
3743	482863.09, 3851877.25	3.92E-05	1.24E-08	3.60E-09	4.80E-05	1.52E-08	4.41E-09	4.21E-05	1.33E-08	3.87E-09
3744	483363.09, 3851877.25	3.94E-05	1.24E-08	3.61E-09	4.82E-05	1.52E-08	4.43E-09	4.23E-05	1.33E-08	3.88E-09
3745	483863.09, 3851877.25	3.58E-05	1.13E-08	3.28E-09	4.38E-05	1.38E-08	4.02E-09	3.84E-05	1.21E-08	3.53E-09
3746	484363.09, 3851877.25	3.78E-05	1.19E-08	3.47E-09	4.63E-05	1.46E-08	4.25E-09	4.06E-05	1.28E-08	3.73E-09
3747	484863.09, 3851877.25	3.24E-05	1.02E-08	2.97E-09	3.97E-05	1.25E-08	3.64E-09	3.48E-05	1.10E-08	3.20E-09
3748	485363.09, 3851877.25	3.31E-05	1.04E-08	3.04E-09	4.05E-05	1.28E-08	3.72E-09	3.56E-05	1.12E-08	3.27E-09
3749	485863.09, 3851877.25	3.31E-05	1.05E-08	3.04E-09	4.06E-05	1.28E-08	3.72E-09	3.56E-05	1.12E-08	3.27E-09
3750	486363.09, 3851877.25	2.89E-05	9.11E-09	2.65E-09	3.54E-05	1.12E-08	3.25E-09	3.10E-05	9.79E-09	2.85E-09
3751	486863.09, 3851877.25	2.86E-05	9.04E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.08E-05	9.71E-09	2.82E-09
3752	487363.09, 3851877.25	2.84E-05	8.96E-09	2.61E-09	3.48E-05	1.10E-08	3.19E-09	3.05E-05	9.62E-09	2.80E-09
3753	487863.09, 3851877.25	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.62E-09	2.80E-09	2.67E-05	8.44E-09	2.45E-09
3754	488363.09, 3851877.25	2.59E-05	8.17E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.55E-09
3755	488863.09, 3851877.25	2.58E-05	8.13E-09	2.37E-09	3.16E-05	9.96E-09	2.90E-09	2.77E-05	8.73E-09	2.54E-09
3756	489363.09, 3851877.25	2.61E-05	8.23E-09	2.39E-09	3.19E-05	1.01E-08	2.93E-09	2.80E-05	8.84E-09	2.57E-09
3757	489863.09, 3851877.25	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.65E-09
3758	490363.09, 3851877.25	2.86E-05	9.03E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.07E-05	9.70E-09	2.82E-09
3759	490863.09, 3851877.25	3.06E-05	9.65E-09	2.81E-09	3.75E-05	1.18E-08	3.44E-09	3.28E-05	1.04E-08	3.01E-09
3760	491363.09, 3851877.25	3.27E-05	1.03E-08	3.00E-09	4.00E-05	1.26E-08	3.67E-09	3.51E-05	1.11E-08	3.22E-09
3761	491863.09, 3851877.25	3.41E-05	1.08E-08	3.13E-09	4.17E-05	1.32E-08	3.83E-09	3.66E-05	1.15E-08	3.36E-09
3762	492363.09, 3851877.25	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.58E-05	1.13E-08	3.29E-09
3763	492863.09, 3851877.25	2.90E-05	9.16E-09	2.66E-09	3.56E-05	1.12E-08	3.26E-09	3.12E-05	9.84E-09	2.86E-09
3764	493363.09, 3851877.25	3.51E-05	1.11E-08	3.23E-09	4.30E-05	1.36E-08	3.95E-09	3.77E-05	1.19E-08	3.46E-09
3765	493863.09, 3851877.25	4.20E-05	1.32E-08	3.85E-09	5.14E-05	1.62E-08	4.72E-09	4.51E-05	1.42E-08	4.14E-09
3766	494363.09, 3851877.25	4.08E-05	1.29E-08	3.74E-09	5.00E-05	1.58E-08	4.59E-09	4.38E-05	1.38E-08	4.02E-09
3767	494863.09, 3851877.25	4.51E-05	1.42E-08	4.14E-09	5.53E-05	1.75E-08	5.08E-09	4.85E-05	1.53E-08	4.45E-09
3768	495363.09, 3851877.25	4.78E-05	1.51E-08	4.39E-09	5.85E-05	1.85E-08	5.37E-09	5.13E-05	1.62E-08	4.71E-09
3769	495863.09, 3851877.25	4.93E-05	1.55E-08	4.52E-09	6.03E-05	1.90E-08	5.54E-09	5.29E-05	1.67E-08	4.86E-09
3770	496363.09, 3851877.25	4.85E-05	1.53E-08	4.45E-09	5.94E-05	1.87E-08	5.45E-09	5.21E-05	1.64E-08	4.78E-09
3771	496863.09, 3851877.25	4.73E-05	1.49E-08	4.34E-09	5.79E-05	1.83E-08	5.32E-09	5.08E-05	1.60E-08	4.66E-09
3772	497363.09, 3851877.25	4.57E-05	1.44E-08	4.20E-09	5.60E-05	1.77E-08	5.14E-09	4.91E-05	1.55E-08	4.51E-09

3773	497863.09, 3851877.25	4.25E-05	1.34E-08	3.90E-09	5.20E-05	1.64E-08	4.77E-09	4.56E-05	1.44E-08	4.19E-09
3774	498363.09, 3851877.25	3.95E-05	1.25E-08	3.63E-09	4.84E-05	1.53E-08	4.45E-09	4.25E-05	1.34E-08	3.90E-09
3775	471363.09, 3852377.25	1.45E-05	4.58E-09	1.33E-09	1.78E-05	5.62E-09	1.63E-09	1.56E-05	4.92E-09	1.43E-09
3776	471863.09, 3852377.25	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.40E-09	1.86E-09	1.78E-05	5.61E-09	1.63E-09
3777	472363.09, 3852377.25	1.80E-05	5.68E-09	1.65E-09	2.21E-05	6.96E-09	2.03E-09	1.93E-05	6.10E-09	1.77E-09
3778	472863.09, 3852377.25	1.93E-05	6.08E-09	1.77E-09	2.36E-05	7.45E-09	2.17E-09	2.07E-05	6.53E-09	1.90E-09
3779	473363.09, 3852377.25	2.01E-05	6.34E-09	1.85E-09	2.46E-05	7.77E-09	2.26E-09	2.16E-05	6.81E-09	1.98E-09
3780	473863.09, 3852377.25	2.06E-05	6.49E-09	1.89E-09	2.52E-05	7.95E-09	2.31E-09	2.21E-05	6.97E-09	2.03E-09
3781	474363.09, 3852377.25	2.13E-05	6.72E-09	1.96E-09	2.61E-05	8.24E-09	2.40E-09	2.29E-05	7.22E-09	2.10E-09
3782	474863.09, 3852377.25	2.58E-05	8.14E-09	2.37E-09	3.16E-05	9.97E-09	2.90E-09	2.77E-05	8.74E-09	2.54E-09
3783	475363.09, 3852377.25	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.66E-09
3784	475863.09, 3852377.25	2.81E-05	8.85E-09	2.58E-09	3.44E-05	1.08E-08	3.15E-09	3.01E-05	9.51E-09	2.77E-09
3785	476363.09, 3852377.25	2.87E-05	9.05E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.08E-05	9.72E-09	2.83E-09
3786	476863.09, 3852377.25	3.04E-05	9.59E-09	2.79E-09	3.72E-05	1.17E-08	3.42E-09	3.26E-05	1.03E-08	2.99E-09
3787	477363.09, 3852377.25	3.15E-05	9.94E-09	2.89E-09	3.86E-05	1.22E-08	3.54E-09	3.38E-05	1.07E-08	3.11E-09
3788	477863.09, 3852377.25	2.95E-05	9.32E-09	2.71E-09	3.62E-05	1.14E-08	3.32E-09	3.17E-05	1.00E-08	2.91E-09
3789	478363.09, 3852377.25	2.90E-05	9.17E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.84E-09	2.86E-09
3790	478863.09, 3852377.25	3.82E-05	1.20E-08	3.50E-09	4.68E-05	1.48E-08	4.29E-09	4.10E-05	1.29E-08	3.76E-09
3791	479363.09, 3852377.25	4.59E-05	1.45E-08	4.21E-09	5.62E-05	1.77E-08	5.16E-09	4.93E-05	1.56E-08	4.53E-09
3792	479863.09, 3852377.25	5.55E-05	1.75E-08	5.09E-09	6.80E-05	2.15E-08	6.24E-09	5.96E-05	1.88E-08	5.47E-09
3793	480363.09, 3852377.25	6.05E-05	1.91E-08	5.56E-09	7.42E-05	2.34E-08	6.81E-09	6.51E-05	2.05E-08	5.97E-09
3794	480863.09, 3852377.25	6.28E-05	1.98E-08	5.77E-09	7.70E-05	2.43E-08	7.07E-09	6.75E-05	2.13E-08	6.20E-09
3795	481363.09, 3852377.25	7.11E-05	2.24E-08	6.53E-09	8.71E-05	2.75E-08	8.00E-09	7.65E-05	2.41E-08	7.02E-09
3796	481863.09, 3852377.25	8.40E-05	2.65E-08	7.71E-09	1.03E-04	3.25E-08	9.44E-09	9.02E-05	2.85E-08	8.28E-09
3797	482363.09, 3852377.25	8.82E-05	2.79E-08	8.10E-09	1.08E-04	3.41E-08	9.92E-09	9.48E-05	2.99E-08	8.71E-09
3798	482863.09, 3852377.25	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
3799	483363.09, 3852377.25	5.82E-05	1.84E-08	5.34E-09	7.13E-05	2.25E-08	6.54E-09	6.25E-05	1.97E-08	5.74E-09
3800	483863.09, 3852377.25	4.77E-05	1.51E-08	4.38E-09	5.85E-05	1.85E-08	5.37E-09	5.13E-05	1.62E-08	4.71E-09
3801	484363.09, 3852377.25	5.25E-05	1.66E-08	4.82E-09	6.43E-05	2.03E-08	5.90E-09	5.64E-05	1.78E-08	5.18E-09
3802	484863.09, 3852377.25	5.29E-05	1.67E-08	4.86E-09	6.48E-05	2.05E-08	5.95E-09	5.69E-05	1.80E-08	5.22E-09
3803	485363.09, 3852377.25	5.47E-05	1.73E-08	5.02E-09	6.71E-05	2.12E-08	6.16E-09	5.89E-05	1.86E-08	5.40E-09
3804	485863.09, 3852377.25	4.96E-05	1.56E-08	4.55E-09	6.07E-05	1.92E-08	5.57E-09	5.33E-05	1.68E-08	4.89E-09
3805	486363.09, 3852377.25	4.15E-05	1.31E-08	3.81E-09	5.08E-05	1.60E-08	4.67E-09	4.46E-05	1.41E-08	4.09E-09
3806	486863.09, 3852377.25	3.91E-05	1.23E-08	3.59E-09	4.79E-05	1.51E-08	4.40E-09	4.20E-05	1.33E-08	3.86E-09
3807	487363.09, 3852377.25	3.60E-05	1.14E-08	3.30E-09	4.41E-05	1.39E-08	4.05E-09	3.87E-05	1.22E-08	3.55E-09
3808	487863.09, 3852377.25	3.44E-05	1.08E-08	3.16E-09	4.21E-05	1.33E-08	3.87E-09	3.69E-05	1.17E-08	3.39E-09
3809	488363.09, 3852377.25	3.37E-05	1.06E-08	3.09E-09	4.13E-05	1.30E-08	3.79E-09	3.62E-05	1.14E-08	3.32E-09
3810	488863.09, 3852377.25	3.27E-05	1.03E-08	3.00E-09	4.00E-05	1.26E-08	3.68E-09	3.51E-05	1.11E-08	3.22E-09
3811	489363.09, 3852377.25	3.28E-05	1.03E-08	3.01E-09	4.02E-05	1.27E-08	3.69E-09	3.52E-05	1.11E-08	3.23E-09
3812	489863.09, 3852377.25	3.15E-05	9.95E-09	2.89E-09	3.86E-05	1.22E-08	3.55E-09	3.38E-05	1.07E-08	3.11E-09
3813	490363.09, 3852377.25	3.63E-05	1.15E-08	3.33E-09	4.45E-05	1.40E-08	4.08E-09	3.89E-05	1.23E-08	3.58E-09
3814	490863.09, 3852377.25	4.01E-05	1.27E-08	3.68E-09	4.91E-05	1.55E-08	4.51E-09	4.30E-05	1.36E-08	3.95E-09
3815	491363.09, 3852377.25	4.81E-05	1.52E-08	4.42E-09	5.89E-05	1.86E-08	5.41E-09	5.16E-05	1.63E-08	4.74E-09
3816	491863.09, 3852377.25	5.00E-05	1.58E-08	4.59E-09	6.12E-05	1.93E-08	5.62E-09	5.37E-05	1.69E-08	4.93E-09
3817	492363.09, 3852377.25	5.09E-05	1.61E-08	4.68E-09	6.24E-05	1.97E-08	5.73E-09	5.47E-05	1.73E-08	5.02E-09
3818	492863.09, 3852377.25	5.46E-05	1.72E-08	5.01E-09	6.68E-05	2.11E-08	6.14E-09	5.86E-05	1.85E-08	5.38E-09
3819	493363.09, 3852377.25	6.08E-05	1.92E-08	5.58E-09	7.44E-05	2.35E-08	6.83E-09	6.52E-05	2.06E-08	5.99E-09
3820	493863.09, 3852377.25	6.01E-05	1.90E-08	5.51E-09	7.36E-05	2.32E-08	6.75E-09	6.45E-05	2.04E-08	5.92E-09
3821	494363.09, 3852377.25	5.94E-05	1.87E-08	5.45E-09	7.28E-05	2.30E-08	6.68E-09	6.38E-05	2.01E-08	5.86E-09
3822	494863.09, 3852377.25	6.23E-05	1.97E-08	5.72E-09	7.63E-05	2.41E-08	7.01E-09	6.69E-05	2.11E-08	6.14E-09
3823	495363.09, 3852377.25	6.51E-05	2.05E-08	5.98E-09	7.97E-05	2.52E-08	7.32E-09	6.99E-05	2.21E-08	6.42E-09
3824	495863.09, 3852377.25	6.23E-05	1.97E-08	5.72E-09	7.64E-05	2.41E-08	7.01E-09	6.69E-05	2.11E-08	6.15E-09
3825	496363.09, 3852377.25	5.94E-05	1.87E-08	5.45E-09	7.27E-05	2.30E-08	6.68E-09	6.38E-05	2.01E-08	5.85E-09
3826	496863.09, 3852377.25	5.73E-05	1.81E-08	5.26E-09	7.02E-05	2.22E-08	6.45E-09	6.16E-05	1.94E-08	5.65E-09
3827	497363.09, 3852377.25	5.19E-05	1.64E-08	4.77E-09	6.36E-05	2.01E-08	5.84E-09	5.58E-05	1.76E-08	5.12E-09
3828	497863.09, 3852377.25	4.67E-05	1.47E-08	4.29E-09	5.72E-05	1.80E-08	5.25E-09	5.01E-05	1.58E-08	4.60E-09
3829	498363.09, 3852377.25	4.20E-05	1.33E-08	3.86E-09	5.15E-05	1.62E-08	4.72E-09	4.51E-05	1.42E-08	4.14E-09
3830	471363.09, 3852877.25	1.50E-05	4.72E-09	1.37E-09	1.83E-05	5.78E-09	1.68E-09	1.61E-05	5.07E-09	1.47E-09
3831	471863.09, 3852877.25	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.41E-09	1.86E-09	1.78E-05	5.62E-09	1.63E-09
3832	472363.09, 3852877.25	1.83E-05	5.76E-09	1.68E-09	2.24E-05	7.06E-09	2.05E-09	1.96E-05	6.19E-09	1.80E-09
3833	472863.09, 3852877.25	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.67E-09	2.23E-09	2.13E-05	6.72E-09	1.96E-09
3834	473363.09, 3852877.25	2.16E-05	6.83E-09	1.99E-09	2.65E-05	8.36E-09	2.43E-09	2.32E-05	7.33E-09	2.13E-09
3835	473863.09, 3852877.25	2.38E-05	7.50E-09	2.18E-09	2.91E-05	9.18E-09	2.67E-09	2.55E-05	8.05E-09	2.34E-09
3836	474363.09, 3852877.25	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.78E-05	8.79E-09	2.56E-09

3837	474863.09, 3852877.25	2.54E-05	8.02E-09	2.33E-09	3.11E-05	9.82E-09	2.86E-09	2.73E-05	8.61E-09	2.50E-09
3838	475363.09, 3852877.25	2.78E-05	8.79E-09	2.56E-09	3.41E-05	1.08E-08	3.13E-09	2.99E-05	9.43E-09	2.74E-09
3839	475863.09, 3852877.25	2.90E-05	9.16E-09	2.66E-09	3.55E-05	1.12E-08	3.26E-09	3.12E-05	9.84E-09	2.86E-09
3840	476363.09, 3852877.25	2.83E-05	8.93E-09	2.60E-09	3.47E-05	1.09E-08	3.18E-09	3.04E-05	9.59E-09	2.79E-09
3841	476863.09, 3852877.25	2.59E-05	8.17E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.55E-09
3842	477363.09, 3852877.25	2.42E-05	7.64E-09	2.22E-09	2.96E-05	9.36E-09	2.72E-09	2.60E-05	8.20E-09	2.39E-09
3843	477863.09, 3852877.25	2.21E-05	6.99E-09	2.03E-09	2.71E-05	8.56E-09	2.49E-09	2.38E-05	7.50E-09	2.18E-09
3844	478363.09, 3852877.25	1.73E-05	5.46E-09	1.59E-09	2.12E-05	6.69E-09	1.95E-09	1.86E-05	5.86E-09	1.70E-09
3845	478863.09, 3852877.25	2.12E-05	6.69E-09	1.95E-09	2.60E-05	8.20E-09	2.38E-09	2.28E-05	7.18E-09	2.09E-09
3846	479363.09, 3852877.25	3.06E-05	9.66E-09	2.81E-09	3.75E-05	1.18E-08	3.44E-09	3.29E-05	1.04E-08	3.02E-09
3847	479863.09, 3852877.25	5.37E-05	1.70E-08	4.93E-09	6.58E-05	2.08E-08	6.04E-09	5.77E-05	1.82E-08	5.30E-09
3848	480363.09, 3852877.25	7.14E-05	2.25E-08	6.55E-09	8.74E-05	2.76E-08	8.02E-09	7.67E-05	2.42E-08	7.04E-09
3849	480863.09, 3852877.25	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
3850	481363.09, 3852877.25	8.43E-05	2.66E-08	7.74E-09	1.03E-04	3.26E-08	9.48E-09	9.06E-05	2.86E-08	8.32E-09
3851	481863.09, 3852877.25	9.67E-05	3.05E-08	8.88E-09	1.19E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.55E-09
3852	482363.09, 3852877.25	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.28E-08	1.23E-04	3.88E-08	1.13E-08
3853	482863.09, 3852877.25	1.23E-04	3.87E-08	1.12E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
3854	483363.09, 3852877.25	1.05E-04	3.32E-08	9.65E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
3855	483863.09, 3852877.25	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.58E-09
3856	484363.09, 3852877.25	8.65E-05	2.73E-08	7.94E-09	1.06E-04	3.35E-08	9.73E-09	9.31E-05	2.94E-08	8.54E-09
3857	484863.09, 3852877.25	8.91E-05	2.81E-08	8.18E-09	1.09E-04	3.44E-08	1.00E-08	9.58E-05	3.02E-08	8.80E-09
3858	485363.09, 3852877.25	6.44E-05	2.03E-08	5.92E-09	7.90E-05	2.49E-08	7.25E-09	6.93E-05	2.19E-08	6.37E-09
3859	485863.09, 3852877.25	5.76E-05	1.82E-08	5.29E-09	7.06E-05	2.23E-08	6.48E-09	6.20E-05	1.96E-08	5.69E-09
3860	486363.09, 3852877.25	5.04E-05	1.59E-08	4.63E-09	6.18E-05	1.95E-08	5.67E-09	5.42E-05	1.71E-08	4.98E-09
3861	486863.09, 3852877.25	4.94E-05	1.56E-08	4.53E-09	6.05E-05	1.91E-08	5.56E-09	5.31E-05	1.68E-08	4.87E-09
3862	487363.09, 3852877.25	4.73E-05	1.49E-08	4.34E-09	5.79E-05	1.83E-08	5.32E-09	5.08E-05	1.60E-08	4.66E-09
3863	487863.09, 3852877.25	4.70E-05	1.48E-08	4.32E-09	5.76E-05	1.82E-08	5.29E-09	5.05E-05	1.59E-08	4.64E-09
3864	488363.09, 3852877.25	3.71E-05	1.17E-08	3.40E-09	4.54E-05	1.43E-08	4.17E-09	3.98E-05	1.26E-08	3.65E-09
3865	488863.09, 3852877.25	4.23E-05	1.34E-08	3.89E-09	5.19E-05	1.64E-08	4.76E-09	4.54E-05	1.43E-08	4.17E-09
3866	489363.09, 3852877.25	4.52E-05	1.43E-08	4.15E-09	5.54E-05	1.75E-08	5.08E-09	4.85E-05	1.53E-08	4.45E-09
3867	489863.09, 3852877.25	4.75E-05	1.50E-08	4.36E-09	5.82E-05	1.84E-08	5.34E-09	5.09E-05	1.61E-08	4.68E-09
3868	490363.09, 3852877.25	6.14E-05	1.94E-08	5.63E-09	7.52E-05	2.37E-08	6.90E-09	6.59E-05	2.08E-08	6.05E-09
3869	490863.09, 3852877.25	6.80E-05	2.15E-08	6.25E-09	8.34E-05	2.63E-08	7.65E-09	7.30E-05	2.31E-08	6.71E-09
3870	491363.09, 3852877.25	7.35E-05	2.32E-08	6.75E-09	9.00E-05	2.84E-08	8.26E-09	7.89E-05	2.49E-08	7.24E-09
3871	491863.09, 3852877.25	7.52E-05	2.37E-08	6.90E-09	9.21E-05	2.91E-08	8.46E-09	8.07E-05	2.55E-08	7.41E-09
3872	492363.09, 3852877.25	7.75E-05	2.45E-08	7.12E-09	9.50E-05	3.00E-08	8.72E-09	8.33E-05	2.63E-08	7.64E-09
3873	492863.09, 3852877.25	8.32E-05	2.63E-08	7.64E-09	1.02E-04	3.22E-08	9.35E-09	8.93E-05	2.82E-08	8.20E-09
3874	493363.09, 3852877.25	8.63E-05	2.72E-08	7.92E-09	1.06E-04	3.34E-08	9.70E-09	9.27E-05	2.92E-08	8.51E-09
3875	493863.09, 3852877.25	8.46E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.09E-05	2.87E-08	8.34E-09
3876	494363.09, 3852877.25	8.34E-05	2.63E-08	7.66E-09	1.02E-04	3.23E-08	9.38E-09	8.96E-05	2.83E-08	8.23E-09
3877	494863.09, 3852877.25	8.36E-05	2.64E-08	7.68E-09	1.02E-04	3.23E-08	9.40E-09	8.98E-05	2.83E-08	8.24E-09
3878	495363.09, 3852877.25	7.87E-05	2.49E-08	7.23E-09	9.65E-05	3.04E-08	8.86E-09	8.46E-05	2.67E-08	7.76E-09
3879	495863.09, 3852877.25	7.40E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.32E-09	7.95E-05	2.51E-08	7.30E-09
3880	496363.09, 3852877.25	7.22E-05	2.28E-08	6.63E-09	8.84E-05	2.79E-08	8.12E-09	7.75E-05	2.45E-08	7.12E-09
3881	496863.09, 3852877.25	6.85E-05	2.16E-08	6.29E-09	8.39E-05	2.65E-08	7.71E-09	7.36E-05	2.32E-08	6.76E-09
3882	497363.09, 3852877.25	5.87E-05	1.85E-08	5.39E-09	7.19E-05	2.27E-08	6.60E-09	6.31E-05	1.99E-08	5.79E-09
3883	497863.09, 3852877.25	4.46E-05	1.41E-08	4.10E-09	5.47E-05	1.72E-08	5.02E-09	4.79E-05	1.51E-08	4.40E-09
3884	498363.09, 3852877.25	4.18E-05	1.32E-08	3.84E-09	5.12E-05	1.62E-08	4.70E-09	4.49E-05	1.42E-08	4.12E-09
3885	471363.09, 3853377.25	1.56E-05	4.94E-09	1.44E-09	1.92E-05	6.05E-09	1.76E-09	1.68E-05	5.30E-09	1.54E-09
3886	471863.09, 3853377.25	1.70E-05	5.38E-09	1.56E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
3887	472363.09, 3853377.25	1.85E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.26E-09	1.82E-09
3888	472863.09, 3853377.25	2.00E-05	6.31E-09	1.83E-09	2.45E-05	7.72E-09	2.25E-09	2.15E-05	6.77E-09	1.97E-09
3889	473363.09, 3853377.25	2.13E-05	6.72E-09	1.96E-09	2.61E-05	8.24E-09	2.40E-09	2.29E-05	7.22E-09	2.10E-09
3890	473863.09, 3853377.25	2.29E-05	7.23E-09	2.10E-09	2.80E-05	8.85E-09	2.57E-09	2.46E-05	7.76E-09	2.26E-09
3891	474363.09, 3853377.25	2.45E-05	7.75E-09	2.25E-09	3.01E-05	9.49E-09	2.76E-09	2.64E-05	8.32E-09	2.42E-09
3892	474863.09, 3853377.25	2.50E-05	7.89E-09	2.29E-09	3.06E-05	9.66E-09	2.81E-09	2.68E-05	8.47E-09	2.46E-09
3893	475363.09, 3853377.25	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.79E-09	2.56E-09
3894	475863.09, 3853377.25	2.67E-05	8.44E-09	2.46E-09	3.28E-05	1.03E-08	3.01E-09	2.87E-05	9.06E-09	2.64E-09
3895	476363.09, 3853377.25	2.55E-05	8.06E-09	2.34E-09	3.13E-05	9.87E-09	2.87E-09	2.74E-05	8.65E-09	2.52E-09
3896	476863.09, 3853377.25	2.20E-05	6.94E-09	2.02E-09	2.69E-05	8.50E-09	2.47E-09	2.36E-05	7.45E-09	2.17E-09
3897	477363.09, 3853377.25	2.15E-05	6.80E-09	1.98E-09	2.64E-05	8.32E-09	2.42E-09	2.31E-05	7.30E-09	2.12E-09
3898	477863.09, 3853377.25	2.20E-05	6.94E-09	2.02E-09	2.70E-05	8.51E-09	2.47E-09	2.36E-05	7.46E-09	2.17E-09
3899	478363.09, 3853377.25	1.87E-05	5.89E-09	1.71E-09	2.29E-05	7.21E-09	2.10E-09	2.00E-05	6.33E-09	1.84E-09
3900	478863.09, 3853377.25	1.45E-05	4.56E-09	1.33E-09	1.77E-05	5.59E-09	1.63E-09	1.55E-05	4.90E-09	1.42E-09

3901	479363.09, 3853377.25	2.60E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.79E-09	2.56E-09
3902	479863.09, 3853377.25	4.28E-05	1.35E-08	3.93E-09	5.24E-05	1.65E-08	4.81E-09	4.59E-05	1.45E-08	4.22E-09
3903	480363.09, 3853377.25	7.03E-05	2.22E-08	6.45E-09	8.61E-05	2.72E-08	7.90E-09	7.55E-05	2.38E-08	6.93E-09
3904	480863.09, 3853377.25	7.65E-05	2.42E-08	7.03E-09	9.38E-05	2.96E-08	8.61E-09	8.22E-05	2.60E-08	7.55E-09
3905	481363.09, 3853377.25	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
3906	481863.09, 3853377.25	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
3907	482363.09, 3853377.25	1.65E-04	5.19E-08	1.51E-08	2.02E-04	6.36E-08	1.85E-08	1.77E-04	5.59E-08	1.63E-08
3908	482863.09, 3853377.25	2.02E-04	6.36E-08	1.85E-08	2.47E-04	7.79E-08	2.27E-08	2.17E-04	6.84E-08	1.99E-08
3909	483363.09, 3853377.25	2.12E-04	6.70E-08	1.95E-08	2.60E-04	8.21E-08	2.39E-08	2.28E-04	7.21E-08	2.10E-08
3910	483863.09, 3853377.25	1.93E-04	6.08E-08	1.77E-08	2.36E-04	7.45E-08	2.17E-08	2.07E-04	6.55E-08	1.90E-08
3911	484363.09, 3853377.25	1.81E-04	5.73E-08	1.67E-08	2.22E-04	7.02E-08	2.04E-08	1.95E-04	6.16E-08	1.79E-08
3912	484863.09, 3853377.25	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
3913	485363.09, 3853377.25	8.62E-05	2.72E-08	7.92E-09	1.06E-04	3.33E-08	9.70E-09	9.28E-05	2.93E-08	8.52E-09
3914	485863.09, 3853377.25	6.34E-05	2.00E-08	5.82E-09	7.77E-05	2.45E-08	7.13E-09	6.82E-05	2.15E-08	6.26E-09
3915	486363.09, 3853377.25	6.81E-05	2.15E-08	6.25E-09	8.34E-05	2.63E-08	7.66E-09	7.32E-05	2.31E-08	6.72E-09
3916	486863.09, 3853377.25	7.27E-05	2.29E-08	6.67E-09	8.90E-05	2.81E-08	8.17E-09	7.80E-05	2.46E-08	7.16E-09
3917	487363.09, 3853377.25	8.18E-05	2.58E-08	7.51E-09	1.00E-04	3.16E-08	9.20E-09	8.78E-05	2.77E-08	8.06E-09
3918	487863.09, 3853377.25	8.85E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.96E-09	9.50E-05	3.00E-08	8.72E-09
3919	488363.09, 3853377.25	9.67E-05	3.05E-08	8.88E-09	1.19E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.53E-09
3920	488863.09, 3853377.25	9.90E-05	3.13E-08	9.09E-09	1.21E-04	3.83E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
3921	489363.09, 3853377.25	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.07E-04	3.39E-08	9.86E-09
3922	489863.09, 3853377.25	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
3923	490363.09, 3853377.25	1.04E-04	3.29E-08	9.56E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
3924	490863.09, 3853377.25	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
3925	491363.09, 3853377.25	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
3926	491863.09, 3853377.25	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
3927	492363.09, 3853377.25	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
3928	492863.09, 3853377.25	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
3929	493363.09, 3853377.25	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.32E-08	1.27E-04	3.99E-08	1.16E-08
3930	493863.09, 3853377.25	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
3931	494363.09, 3853377.25	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
3932	494863.09, 3853377.25	1.02E-04	3.21E-08	9.33E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
3933	495363.09, 3853377.25	9.73E-05	3.07E-08	8.94E-09	1.19E-04	3.76E-08	1.09E-08	1.05E-04	3.30E-08	9.60E-09
3934	495863.09, 3853377.25	9.14E-05	2.88E-08	8.39E-09	1.12E-04	3.53E-08	1.03E-08	9.81E-05	3.10E-08	9.01E-09
3935	496363.09, 3853377.25	8.36E-05	2.64E-08	7.68E-09	1.02E-04	3.23E-08	9.40E-09	8.98E-05	2.83E-08	8.24E-09
3936	496863.09, 3853377.25	7.31E-05	2.31E-08	6.71E-09	8.95E-05	2.83E-08	8.22E-09	7.85E-05	2.48E-08	7.21E-09
3937	497363.09, 3853377.25	6.07E-05	1.92E-08	5.58E-09	7.44E-05	2.35E-08	6.83E-09	6.52E-05	2.06E-08	5.99E-09
3938	497863.09, 3853377.25	4.11E-05	1.30E-08	3.77E-09	5.03E-05	1.59E-08	4.62E-09	4.41E-05	1.39E-08	4.05E-09
3939	498363.09, 3853377.25	3.26E-05	1.03E-08	2.99E-09	3.99E-05	1.26E-08	3.66E-09	3.50E-05	1.10E-08	3.21E-09
3940	471363.09, 3853877.25	1.58E-05	5.00E-09	1.45E-09	1.94E-05	6.12E-09	1.78E-09	1.70E-05	5.37E-09	1.56E-09
3941	471863.09, 3853877.25	1.74E-05	5.50E-09	1.60E-09	2.14E-05	6.74E-09	1.96E-09	1.87E-05	5.91E-09	1.72E-09
3942	472363.09, 3853877.25	1.85E-05	5.85E-09	1.70E-09	2.27E-05	7.17E-09	2.09E-09	1.99E-05	6.29E-09	1.83E-09
3943	472863.09, 3853877.25	2.00E-05	6.32E-09	1.84E-09	2.45E-05	7.74E-09	2.25E-09	2.15E-05	6.79E-09	1.97E-09
3944	473363.09, 3853877.25	2.11E-05	6.66E-09	1.94E-09	2.59E-05	8.16E-09	2.37E-09	2.27E-05	7.16E-09	2.08E-09
3945	473863.09, 3853877.25	2.23E-05	7.05E-09	2.05E-09	2.74E-05	8.64E-09	2.51E-09	2.40E-05	7.57E-09	2.20E-09
3946	474363.09, 3853877.25	2.40E-05	7.57E-09	2.20E-09	2.94E-05	9.27E-09	2.70E-09	2.58E-05	8.13E-09	2.37E-09
3947	474863.09, 3853877.25	2.55E-05	8.05E-09	2.34E-09	3.12E-05	9.85E-09	2.87E-09	2.74E-05	8.64E-09	2.51E-09
3948	475363.09, 3853877.25	2.54E-05	8.01E-09	2.33E-09	3.11E-05	9.81E-09	2.85E-09	2.73E-05	8.60E-09	2.50E-09
3949	475863.09, 3853877.25	2.24E-05	7.08E-09	2.06E-09	2.75E-05	8.67E-09	2.52E-09	2.41E-05	7.60E-09	2.21E-09
3950	476363.09, 3853877.25	1.91E-05	6.02E-09	1.75E-09	2.34E-05	7.37E-09	2.14E-09	2.05E-05	6.46E-09	1.88E-09
3951	476863.09, 3853877.25	1.50E-05	4.74E-09	1.38E-09	1.84E-05	5.81E-09	1.69E-09	1.61E-05	5.09E-09	1.48E-09
3952	477363.09, 3853877.25	1.67E-05	5.27E-09	1.53E-09	2.05E-05	6.46E-09	1.88E-09	1.79E-05	5.66E-09	1.65E-09
3953	477863.09, 3853877.25	1.97E-05	6.20E-09	1.80E-09	2.41E-05	7.60E-09	2.21E-09	2.11E-05	6.66E-09	1.94E-09
3954	478363.09, 3853877.25	2.11E-05	6.66E-09	1.94E-09	2.58E-05	8.16E-09	2.37E-09	2.27E-05	7.15E-09	2.08E-09
3955	478863.09, 3853877.25	1.49E-05	4.69E-09	1.36E-09	1.82E-05	5.75E-09	1.67E-09	1.60E-05	5.04E-09	1.47E-09
3956	479363.09, 3853877.25	2.09E-05	6.61E-09	1.92E-09	2.56E-05	8.09E-09	2.35E-09	2.25E-05	7.10E-09	2.06E-09
3957	479863.09, 3853877.25	4.23E-05	1.34E-08	3.88E-09	5.18E-05	1.64E-08	4.76E-09	4.54E-05	1.43E-08	4.17E-09
3958	480363.09, 3853877.25	6.46E-05	2.04E-08	5.93E-09	7.91E-05	2.50E-08	7.26E-09	6.93E-05	2.19E-08	6.36E-09
3959	480863.09, 3853877.25	1.01E-04	3.17E-08	9.23E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
3960	481363.09, 3853877.25	1.32E-04	4.15E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.41E-04	4.46E-08	1.30E-08
3961	481863.09, 3853877.25	1.67E-04	5.26E-08	1.53E-08	2.04E-04	6.44E-08	1.87E-08	1.79E-04	5.66E-08	1.65E-08
3962	482363.09, 3853877.25	2.53E-04	7.99E-08	2.32E-08	3.10E-04	9.79E-08	2.85E-08	2.73E-04	8.60E-08	2.50E-08
3963	482863.09, 3853877.25	1.22E-03	3.84E-07	1.12E-07	1.49E-03	4.71E-07	1.37E-07	1.31E-03	4.15E-07	1.21E-07
3964	483363.09, 3853877.25	7.27E-04	2.29E-07	6.67E-08	8.91E-04	2.81E-07	8.18E-08	7.84E-04	2.47E-07	7.20E-08

3965	483863.09, 3853877.25	4.78E-04	1.51E-07	4.39E-08	5.86E-04	1.85E-07	5.38E-08	5.15E-04	1.63E-07	4.73E-08
3966	484363.09, 3853877.25	3.23E-04	1.02E-07	2.96E-08	3.96E-04	1.25E-07	3.63E-08	3.48E-04	1.10E-07	3.19E-08
3967	484863.09, 3853877.25	2.04E-04	6.45E-08	1.88E-08	2.50E-04	7.90E-08	2.30E-08	2.20E-04	6.94E-08	2.02E-08
3968	485363.09, 3853877.25	1.23E-04	3.88E-08	1.13E-08	1.50E-04	4.75E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
3969	485863.09, 3853877.25	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.81E-08	1.40E-08
3970	486363.09, 3853877.25	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.62E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
3971	486863.09, 3853877.25	1.43E-04	4.51E-08	1.31E-08	1.75E-04	5.53E-08	1.61E-08	1.53E-04	4.84E-08	1.41E-08
3972	487363.09, 3853877.25	1.54E-04	4.85E-08	1.41E-08	1.88E-04	5.94E-08	1.73E-08	1.65E-04	5.20E-08	1.51E-08
3973	487863.09, 3853877.25	1.75E-04	5.54E-08	1.61E-08	2.15E-04	6.78E-08	1.97E-08	1.88E-04	5.94E-08	1.73E-08
3974	488363.09, 3853877.25	1.81E-04	5.73E-08	1.67E-08	2.22E-04	7.01E-08	2.04E-08	1.95E-04	6.14E-08	1.79E-08
3975	488863.09, 3853877.25	1.91E-04	6.02E-08	1.75E-08	2.34E-04	7.38E-08	2.15E-08	2.05E-04	6.46E-08	1.88E-08
3976	489363.09, 3853877.25	1.77E-04	5.60E-08	1.63E-08	2.17E-04	6.86E-08	1.99E-08	1.90E-04	6.01E-08	1.75E-08
3977	489863.09, 3853877.25	1.77E-04	5.59E-08	1.63E-08	2.17E-04	6.85E-08	1.99E-08	1.90E-04	6.00E-08	1.75E-08
3978	490363.09, 3853877.25	1.71E-04	5.39E-08	1.57E-08	2.09E-04	6.60E-08	1.92E-08	1.83E-04	5.78E-08	1.68E-08
3979	490863.09, 3853877.25	1.68E-04	5.30E-08	1.54E-08	2.06E-04	6.49E-08	1.89E-08	1.80E-04	5.69E-08	1.66E-08
3980	491363.09, 3853877.25	1.66E-04	5.23E-08	1.52E-08	2.03E-04	6.41E-08	1.86E-08	1.78E-04	5.62E-08	1.64E-08
3981	491863.09, 3853877.25	1.63E-04	5.15E-08	1.50E-08	2.00E-04	6.30E-08	1.83E-08	1.75E-04	5.53E-08	1.61E-08
3982	492363.09, 3853877.25	1.65E-04	5.20E-08	1.51E-08	2.02E-04	6.37E-08	1.85E-08	1.77E-04	5.59E-08	1.63E-08
3983	492863.09, 3853877.25	1.63E-04	5.13E-08	1.49E-08	1.99E-04	6.29E-08	1.83E-08	1.75E-04	5.51E-08	1.60E-08
3984	493363.09, 3853877.25	1.55E-04	4.90E-08	1.43E-08	1.90E-04	6.01E-08	1.75E-08	1.67E-04	5.27E-08	1.53E-08
3985	493863.09, 3853877.25	1.46E-04	4.62E-08	1.34E-08	1.79E-04	5.66E-08	1.65E-08	1.57E-04	4.97E-08	1.44E-08
3986	494363.09, 3853877.25	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.49E-04	4.72E-08	1.37E-08
3987	494863.09, 3853877.25	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
3988	495363.09, 3853877.25	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
3989	495863.09, 3853877.25	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
3990	496363.09, 3853877.25	8.87E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.97E-09	9.52E-05	3.01E-08	8.74E-09
3991	496863.09, 3853877.25	7.45E-05	2.35E-08	6.84E-09	9.12E-05	2.88E-08	8.37E-09	8.00E-05	2.52E-08	7.34E-09
3992	497363.09, 3853877.25	6.34E-05	2.00E-08	5.82E-09	7.76E-05	2.45E-08	7.13E-09	6.81E-05	2.15E-08	6.25E-09
3993	497863.09, 3853877.25	4.99E-05	1.57E-08	4.58E-09	6.11E-05	1.93E-08	5.61E-09	5.35E-05	1.69E-08	4.92E-09
3994	498363.09, 3853877.25	4.23E-05	1.34E-08	3.89E-09	5.19E-05	1.64E-08	4.76E-09	4.55E-05	1.44E-08	4.17E-09
3995	471363.09, 3854377.25	1.63E-05	5.13E-09	1.49E-09	1.99E-05	6.28E-09	1.83E-09	1.74E-05	5.51E-09	1.60E-09
3996	471863.09, 3854377.25	1.78E-05	5.63E-09	1.64E-09	2.18E-05	6.89E-09	2.00E-09	1.91E-05	6.04E-09	1.76E-09
3997	472363.09, 3854377.25	1.91E-05	6.02E-09	1.75E-09	2.34E-05	7.37E-09	2.14E-09	2.05E-05	6.46E-09	1.88E-09
3998	472863.09, 3854377.25	2.01E-05	6.36E-09	1.85E-09	2.47E-05	7.79E-09	2.27E-09	2.16E-05	6.82E-09	1.98E-09
3999	473363.09, 3854377.25	2.16E-05	6.82E-09	1.98E-09	2.65E-05	8.35E-09	2.43E-09	2.32E-05	7.32E-09	2.13E-09
4000	473863.09, 3854377.25	2.34E-05	7.38E-09	2.15E-09	2.87E-05	9.04E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
4001	474363.09, 3854377.25	2.52E-05	7.96E-09	2.32E-09	3.09E-05	9.75E-09	2.84E-09	2.71E-05	8.55E-09	2.49E-09
4002	474863.09, 3854377.25	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.69E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
4003	475363.09, 3854377.25	2.25E-05	7.12E-09	2.07E-09	2.76E-05	8.72E-09	2.54E-09	2.42E-05	7.64E-09	2.22E-09
4004	475863.09, 3854377.25	1.58E-05	4.98E-09	1.45E-09	1.93E-05	6.10E-09	1.77E-09	1.69E-05	5.35E-09	1.56E-09
4005	476363.09, 3854377.25	1.42E-05	4.49E-09	1.31E-09	1.74E-05	5.50E-09	1.60E-09	1.53E-05	4.82E-09	1.40E-09
4006	476863.09, 3854377.25	1.38E-05	4.36E-09	1.27E-09	1.69E-05	5.34E-09	1.55E-09	1.48E-05	4.68E-09	1.36E-09
4007	477363.09, 3854377.25	1.38E-05	4.37E-09	1.27E-09	1.70E-05	5.35E-09	1.56E-09	1.49E-05	4.69E-09	1.36E-09
4008	477863.09, 3854377.25	1.43E-05	4.52E-09	1.32E-09	1.75E-05	5.54E-09	1.61E-09	1.54E-05	4.86E-09	1.41E-09
4009	478363.09, 3854377.25	1.72E-05	5.41E-09	1.57E-09	2.10E-05	6.63E-09	1.93E-09	1.84E-05	5.81E-09	1.69E-09
4010	478863.09, 3854377.25	1.91E-05	6.02E-09	1.75E-09	2.34E-05	7.38E-09	2.15E-09	2.05E-05	6.47E-09	1.88E-09
4011	479363.09, 3854377.25	3.10E-05	9.80E-09	2.85E-09	3.80E-05	1.20E-08	3.49E-09	3.33E-05	1.05E-08	3.06E-09
4012	479863.09, 3854377.25	4.24E-05	1.34E-08	3.89E-09	5.19E-05	1.64E-08	4.76E-09	4.55E-05	1.44E-08	4.18E-09
4013	480363.09, 3854377.25	6.31E-05	1.99E-08	5.80E-09	7.74E-05	2.44E-08	7.10E-09	6.78E-05	2.14E-08	6.23E-09
4014	480863.09, 3854377.25	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.95E-09
4015	481363.09, 3854377.25	1.46E-04	4.60E-08	1.34E-08	1.79E-04	5.64E-08	1.64E-08	1.57E-04	4.94E-08	1.44E-08
4016	481863.09, 3854377.25	1.95E-04	6.16E-08	1.79E-08	2.39E-04	7.54E-08	2.19E-08	2.10E-04	6.62E-08	1.92E-08
4017	482363.09, 3854377.25	2.76E-04	8.70E-08	2.53E-08	3.38E-04	1.07E-07	3.10E-08	2.96E-04	9.36E-08	2.72E-08
4018	482863.09, 3854377.25	5.76E-04	1.82E-07	5.29E-08	7.06E-04	2.23E-07	6.48E-08	6.21E-04	1.96E-07	5.70E-08
4019	483363.09, 3854377.25	1.67E-03	5.27E-07	1.53E-07	2.05E-03	6.46E-07	1.88E-07	1.80E-03	5.69E-07	1.65E-07
4020	483863.09, 3854377.25	8.48E-04	2.68E-07	7.79E-08	1.04E-03	3.28E-07	9.54E-08	9.13E-04	2.88E-07	8.38E-08
4021	484363.09, 3854377.25	5.06E-04	1.60E-07	4.64E-08	6.20E-04	1.96E-07	5.69E-08	5.44E-04	1.72E-07	5.00E-08
4022	484863.09, 3854377.25	3.18E-04	1.00E-07	2.92E-08	3.90E-04	1.23E-07	3.58E-08	3.42E-04	1.08E-07	3.14E-08
4023	485363.09, 3854377.25	4.21E-04	1.33E-07	3.86E-08	5.16E-04	1.63E-07	4.73E-08	4.51E-04	1.42E-07	4.14E-08
4024	485863.09, 3854377.25	3.37E-04	1.06E-07	3.09E-08	4.13E-04	1.30E-07	3.79E-08	3.61E-04	1.14E-07	3.31E-08
4025	486363.09, 3854377.25	3.53E-04	1.11E-07	3.24E-08	4.32E-04	1.36E-07	3.97E-08	3.78E-04	1.19E-07	3.47E-08
4026	486863.09, 3854377.25	3.17E-04	1.00E-07	2.91E-08	3.89E-04	1.23E-07	3.57E-08	3.40E-04	1.07E-07	3.12E-08
4027	487363.09, 3854377.25	3.17E-04	1.00E-07	2.91E-08	3.89E-04	1.23E-07	3.57E-08	3.40E-04	1.07E-07	3.12E-08
4028	487863.09, 3854377.25	3.26E-04	1.03E-07	3.00E-08	4.00E-04	1.26E-07	3.67E-08	3.50E-04	1.10E-07	3.21E-08

4029	488363.09, 3854377.25	3.20E-04	1.01E-07	2.94E-08	3.92E-04	1.24E-07	3.60E-08	3.43E-04	1.08E-07	3.15E-08
4030	488863.09, 3854377.25	3.10E-04	9.78E-08	2.84E-08	3.79E-04	1.20E-07	3.48E-08	3.32E-04	1.05E-07	3.05E-08
4031	489363.09, 3854377.25	2.96E-04	9.33E-08	2.71E-08	3.62E-04	1.14E-07	3.32E-08	3.17E-04	1.00E-07	2.91E-08
4032	489863.09, 3854377.25	2.79E-04	8.80E-08	2.56E-08	3.42E-04	1.08E-07	3.14E-08	3.00E-04	9.45E-08	2.75E-08
4033	490363.09, 3854377.25	2.61E-04	8.23E-08	2.39E-08	3.19E-04	1.01E-07	2.93E-08	2.80E-04	8.84E-08	2.57E-08
4034	490863.09, 3854377.25	2.13E-04	6.73E-08	1.96E-08	2.61E-04	8.25E-08	2.40E-08	2.29E-04	7.23E-08	2.10E-08
4035	491363.09, 3854377.25	2.24E-04	7.06E-08	2.05E-08	2.74E-04	8.65E-08	2.52E-08	2.40E-04	7.58E-08	2.21E-08
4036	491863.09, 3854377.25	2.27E-04	7.15E-08	2.08E-08	2.78E-04	8.76E-08	2.55E-08	2.43E-04	7.68E-08	2.23E-08
4037	492363.09, 3854377.25	2.20E-04	6.96E-08	2.02E-08	2.70E-04	8.52E-08	2.48E-08	2.37E-04	7.47E-08	2.17E-08
4038	492863.09, 3854377.25	2.09E-04	6.58E-08	1.91E-08	2.55E-04	8.06E-08	2.35E-08	2.24E-04	7.07E-08	2.06E-08
4039	493363.09, 3854377.25	1.94E-04	6.13E-08	1.78E-08	2.38E-04	7.51E-08	2.18E-08	2.09E-04	6.59E-08	1.92E-08
4040	493863.09, 3854377.25	1.80E-04	5.68E-08	1.65E-08	2.21E-04	6.96E-08	2.03E-08	1.93E-04	6.11E-08	1.78E-08
4041	494363.09, 3854377.25	1.67E-04	5.28E-08	1.53E-08	2.05E-04	6.46E-08	1.88E-08	1.80E-04	5.67E-08	1.65E-08
4042	494863.09, 3854377.25	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
4043	495363.09, 3854377.25	1.08E-04	3.41E-08	9.92E-09	1.32E-04	4.18E-08	1.21E-08	1.16E-04	3.66E-08	1.07E-08
4044	495863.09, 3854377.25	8.98E-05	2.83E-08	8.24E-09	1.10E-04	3.47E-08	1.01E-08	9.64E-05	3.04E-08	8.85E-09
4045	496363.09, 3854377.25	8.09E-05	2.55E-08	7.42E-09	9.90E-05	3.13E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
4046	496863.09, 3854377.25	7.01E-05	2.21E-08	6.43E-09	8.58E-05	2.71E-08	7.88E-09	7.53E-05	2.38E-08	6.91E-09
4047	497363.09, 3854377.25	5.51E-05	1.74E-08	5.06E-09	6.75E-05	2.13E-08	6.20E-09	5.92E-05	1.87E-08	5.44E-09
4048	497863.09, 3854377.25	5.60E-05	1.77E-08	5.14E-09	6.86E-05	2.16E-08	6.30E-09	6.01E-05	1.90E-08	5.52E-09
4049	498363.09, 3854377.25	4.81E-05	1.52E-08	4.41E-09	5.89E-05	1.86E-08	5.40E-09	5.16E-05	1.63E-08	4.74E-09
4050	471363.09, 3854877.25	1.66E-05	5.25E-09	1.53E-09	2.04E-05	6.43E-09	1.87E-09	1.78E-05	5.63E-09	1.64E-09
4051	471863.09, 3854877.25	1.79E-05	5.65E-09	1.64E-09	2.19E-05	6.92E-09	2.01E-09	1.92E-05	6.07E-09	1.76E-09
4052	472363.09, 3854877.25	1.91E-05	6.03E-09	1.75E-09	2.34E-05	7.39E-09	2.15E-09	2.05E-05	6.48E-09	1.88E-09
4053	472863.09, 3854877.25	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.67E-09	2.23E-09	2.13E-05	6.73E-09	1.96E-09
4054	473363.09, 3854877.25	2.17E-05	6.85E-09	1.99E-09	2.66E-05	8.39E-09	2.44E-09	2.33E-05	7.36E-09	2.14E-09
4055	473863.09, 3854877.25	2.36E-05	7.44E-09	2.16E-09	2.89E-05	9.11E-09	2.65E-09	2.53E-05	7.98E-09	2.32E-09
4056	474363.09, 3854877.25	2.60E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.79E-09	2.56E-09
4057	474863.09, 3854877.25	2.32E-05	7.33E-09	2.13E-09	2.85E-05	8.98E-09	2.61E-09	2.49E-05	7.87E-09	2.29E-09
4058	475363.09, 3854877.25	1.87E-05	5.92E-09	1.72E-09	2.30E-05	7.25E-09	2.11E-09	2.01E-05	6.35E-09	1.85E-09
4059	475863.09, 3854877.25	1.41E-05	4.45E-09	1.29E-09	1.73E-05	5.45E-09	1.59E-09	1.51E-05	4.78E-09	1.39E-09
4060	476363.09, 3854877.25	9.02E-06	2.85E-09	8.28E-10	1.11E-05	3.49E-09	1.01E-09	9.69E-06	3.06E-09	8.89E-10
4061	476863.09, 3854877.25	9.02E-06	2.85E-09	8.28E-10	1.10E-05	3.49E-09	1.01E-09	9.69E-06	3.06E-09	8.89E-10
4062	477363.09, 3854877.25	1.11E-05	3.52E-09	1.02E-09	1.37E-05	4.31E-09	1.25E-09	1.20E-05	3.78E-09	1.10E-09
4063	477863.09, 3854877.25	1.33E-05	4.20E-09	1.22E-09	1.63E-05	5.15E-09	1.50E-09	1.43E-05	4.51E-09	1.31E-09
4064	478363.09, 3854877.25	1.85E-05	5.84E-09	1.70E-09	2.27E-05	7.15E-09	2.08E-09	1.99E-05	6.27E-09	1.82E-09
4065	478863.09, 3854877.25	2.76E-05	8.70E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.96E-05	9.34E-09	2.72E-09
4066	479363.09, 3854877.25	4.16E-05	1.31E-08	3.82E-09	5.09E-05	1.61E-08	4.67E-09	4.46E-05	1.41E-08	4.10E-09
4067	479863.09, 3854877.25	6.10E-05	1.92E-08	5.60E-09	7.47E-05	2.36E-08	6.86E-09	6.55E-05	2.07E-08	6.01E-09
4068	480363.09, 3854877.25	8.16E-05	2.58E-08	7.49E-09	1.00E-04	3.16E-08	9.18E-09	8.77E-05	2.77E-08	8.05E-09
4069	480863.09, 3854877.25	1.17E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
4070	481363.09, 3854877.25	1.52E-04	4.81E-08	1.40E-08	1.87E-04	5.90E-08	1.71E-08	1.64E-04	5.17E-08	1.50E-08
4071	481863.09, 3854877.25	1.80E-04	5.69E-08	1.65E-08	2.21E-04	6.97E-08	2.03E-08	1.93E-04	6.10E-08	1.78E-08
4072	482363.09, 3854877.25	2.64E-04	8.34E-08	2.43E-08	3.24E-04	1.02E-07	2.97E-08	2.84E-04	8.96E-08	2.60E-08
4073	482863.09, 3854877.25	3.96E-04	1.25E-07	3.64E-08	4.85E-04	1.53E-07	4.46E-08	4.25E-04	1.34E-07	3.91E-08
4074	483363.09, 3854877.25	6.76E-04	2.13E-07	6.21E-08	8.29E-04	2.62E-07	7.61E-08	7.26E-04	2.29E-07	6.66E-08
4075	483863.09, 3854877.25	2.25E-03	7.09E-07	2.06E-07	2.75E-03	8.69E-07	2.53E-07	2.40E-03	7.58E-07	2.21E-07
4076	484363.09, 3854877.25	8.75E-03	2.76E-06	8.03E-07	1.07E-02	3.38E-06	9.84E-07	9.35E-03	2.95E-06	8.59E-07
4077	484863.09, 3854877.25	3.58E-03	1.13E-06	3.28E-07	4.38E-03	1.38E-06	4.02E-07	3.82E-03	1.21E-06	3.51E-07
4078	485363.09, 3854877.25	1.74E-03	5.51E-07	1.60E-07	2.14E-03	6.75E-07	1.96E-07	1.86E-03	5.88E-07	1.71E-07
4079	485863.09, 3854877.25	1.12E-03	3.52E-07	1.02E-07	1.37E-03	4.31E-07	1.25E-07	1.19E-03	3.77E-07	1.10E-07
4080	486363.09, 3854877.25	8.08E-04	2.55E-07	7.42E-08	9.90E-04	3.13E-07	9.09E-08	8.66E-04	2.73E-07	7.95E-08
4081	486863.09, 3854877.25	6.46E-04	2.04E-07	5.93E-08	7.92E-04	2.50E-07	7.27E-08	6.93E-04	2.19E-07	6.36E-08
4082	487363.09, 3854877.25	5.88E-04	1.86E-07	5.40E-08	7.21E-04	2.28E-07	6.62E-08	6.31E-04	1.99E-07	5.80E-08
4083	487863.09, 3854877.25	5.41E-04	1.71E-07	4.97E-08	6.63E-04	2.09E-07	6.09E-08	5.81E-04	1.83E-07	5.33E-08
4084	488363.09, 3854877.25	5.02E-04	1.58E-07	4.61E-08	6.15E-04	1.94E-07	5.65E-08	5.39E-04	1.70E-07	4.95E-08
4085	488863.09, 3854877.25	4.71E-04	1.49E-07	4.32E-08	5.77E-04	1.82E-07	5.29E-08	5.06E-04	1.60E-07	4.64E-08
4086	489363.09, 3854877.25	4.33E-04	1.37E-07	3.97E-08	5.30E-04	1.67E-07	4.87E-08	4.65E-04	1.47E-07	4.27E-08
4087	489863.09, 3854877.25	3.86E-04	1.22E-07	3.55E-08	4.73E-04	1.49E-07	4.35E-08	4.15E-04	1.31E-07	3.81E-08
4088	490363.09, 3854877.25	2.94E-04	9.27E-08	2.70E-08	3.60E-04	1.14E-07	3.30E-08	3.16E-04	9.97E-08	2.90E-08
4089	490863.09, 3854877.25	2.06E-04	6.50E-08	1.89E-08	2.52E-04	7.96E-08	2.31E-08	2.21E-04	6.98E-08	2.03E-08
4090	491363.09, 3854877.25	2.16E-04	6.83E-08	1.99E-08	2.65E-04	8.36E-08	2.43E-08	2.32E-04	7.34E-08	2.13E-08
4091	491863.09, 3854877.25	2.87E-04	9.07E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.83E-08
4092	492363.09, 3854877.25	2.74E-04	8.64E-08	2.51E-08	3.35E-04	1.06E-07	3.08E-08	2.94E-04	9.28E-08	2.70E-08

4093	492863.09, 3854877.25	2.53E-04	7.98E-08	2.32E-08	3.10E-04	9.77E-08	2.84E-08	2.72E-04	8.57E-08	2.49E-08
4094	493363.09, 3854877.25	2.30E-04	7.27E-08	2.12E-08	2.82E-04	8.91E-08	2.59E-08	2.48E-04	7.81E-08	2.27E-08
4095	493863.09, 3854877.25	2.12E-04	6.68E-08	1.94E-08	2.59E-04	8.18E-08	2.38E-08	2.27E-04	7.17E-08	2.09E-08
4096	494363.09, 3854877.25	1.65E-04	5.21E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.77E-04	5.60E-08	1.63E-08
4097	494863.09, 3854877.25	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
4098	495363.09, 3854877.25	9.44E-05	2.98E-08	8.67E-09	1.16E-04	3.65E-08	1.06E-08	1.01E-04	3.20E-08	9.31E-09
4099	495863.09, 3854877.25	8.05E-05	2.54E-08	7.39E-09	9.86E-05	3.11E-08	9.05E-09	8.65E-05	2.73E-08	7.94E-09
4100	496363.09, 3854877.25	6.42E-05	2.03E-08	5.90E-09	7.87E-05	2.48E-08	7.22E-09	6.90E-05	2.18E-08	6.33E-09
4101	496863.09, 3854877.25	5.48E-05	1.73E-08	5.03E-09	6.71E-05	2.12E-08	6.16E-09	5.88E-05	1.86E-08	5.40E-09
4102	497363.09, 3854877.25	5.13E-05	1.62E-08	4.71E-09	6.29E-05	1.98E-08	5.77E-09	5.51E-05	1.74E-08	5.06E-09
4103	497863.09, 3854877.25	5.51E-05	1.74E-08	5.06E-09	6.75E-05	2.13E-08	6.20E-09	5.92E-05	1.87E-08	5.43E-09
4104	498363.09, 3854877.25	5.27E-05	1.66E-08	4.84E-09	6.46E-05	2.04E-08	5.93E-09	5.66E-05	1.79E-08	5.20E-09
4105	471363.09, 3855377.25	1.66E-05	5.25E-09	1.53E-09	2.04E-05	6.43E-09	1.87E-09	1.79E-05	5.64E-09	1.64E-09
4106	471863.09, 3855377.25	1.75E-05	5.52E-09	1.61E-09	2.14E-05	6.76E-09	1.97E-09	1.88E-05	5.93E-09	1.72E-09
4107	472363.09, 3855377.25	1.89E-05	5.98E-09	1.74E-09	2.32E-05	7.32E-09	2.13E-09	2.04E-05	6.42E-09	1.87E-09
4108	472863.09, 3855377.25	1.99E-05	6.29E-09	1.83E-09	2.44E-05	7.70E-09	2.24E-09	2.14E-05	6.76E-09	1.97E-09
4109	473363.09, 3855377.25	2.19E-05	6.91E-09	2.01E-09	2.68E-05	8.47E-09	2.46E-09	2.35E-05	7.43E-09	2.16E-09
4110	473863.09, 3855377.25	2.38E-05	7.50E-09	2.18E-09	2.91E-05	9.18E-09	2.67E-09	2.55E-05	8.05E-09	2.34E-09
4111	474363.09, 3855377.25	2.56E-05	8.09E-09	2.35E-09	3.14E-05	9.90E-09	2.88E-09	2.75E-05	8.69E-09	2.53E-09
4112	474863.09, 3855377.25	2.33E-05	7.35E-09	2.14E-09	2.85E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
4113	475363.09, 3855377.25	1.19E-05	3.76E-09	1.09E-09	1.46E-05	4.61E-09	1.34E-09	1.28E-05	4.04E-09	1.17E-09
4114	475863.09, 3855377.25	8.94E-06	2.82E-09	8.21E-10	1.10E-05	3.46E-09	1.01E-09	9.60E-06	3.03E-09	8.82E-10
4115	476363.09, 3855377.25	1.07E-05	3.38E-09	9.84E-10	1.31E-05	4.14E-09	1.21E-09	1.15E-05	3.63E-09	1.06E-09
4116	476863.09, 3855377.25	1.05E-05	3.33E-09	9.68E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.57E-09	1.04E-09
4117	477363.09, 3855377.25	1.19E-05	3.76E-09	1.09E-09	1.46E-05	4.61E-09	1.34E-09	1.28E-05	4.04E-09	1.17E-09
4118	477863.09, 3855377.25	1.60E-05	5.06E-09	1.47E-09	1.96E-05	6.20E-09	1.80E-09	1.72E-05	5.44E-09	1.58E-09
4119	478363.09, 3855377.25	2.14E-05	6.77E-09	1.97E-09	2.63E-05	8.29E-09	2.41E-09	2.30E-05	7.27E-09	2.11E-09
4120	478863.09, 3855377.25	2.81E-05	8.86E-09	2.58E-09	3.44E-05	1.09E-08	3.16E-09	3.02E-05	9.52E-09	2.77E-09
4121	479363.09, 3855377.25	3.98E-05	1.26E-08	3.66E-09	4.88E-05	1.54E-08	4.48E-09	4.28E-05	1.35E-08	3.93E-09
4122	479863.09, 3855377.25	5.41E-05	1.71E-08	4.97E-09	6.63E-05	2.09E-08	6.09E-09	5.81E-05	1.84E-08	5.34E-09
4123	480363.09, 3855377.25	8.37E-05	2.64E-08	7.68E-09	1.02E-04	3.23E-08	9.41E-09	8.99E-05	2.84E-08	8.25E-09
4124	480863.09, 3855377.25	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
4125	481363.09, 3855377.25	1.65E-04	5.22E-08	1.52E-08	2.03E-04	6.39E-08	1.86E-08	1.78E-04	5.60E-08	1.63E-08
4126	481863.09, 3855377.25	2.04E-04	6.43E-08	1.87E-08	2.50E-04	7.88E-08	2.29E-08	2.19E-04	6.91E-08	2.01E-08
4127	482363.09, 3855377.25	2.46E-04	7.78E-08	2.26E-08	3.02E-04	9.53E-08	2.77E-08	2.65E-04	8.35E-08	2.43E-08
4128	482863.09, 3855377.25	3.33E-04	1.05E-07	3.06E-08	4.08E-04	1.29E-07	3.75E-08	3.58E-04	1.13E-07	3.28E-08
4129	483363.09, 3855377.25	4.77E-04	1.51E-07	4.38E-08	5.84E-04	1.84E-07	5.36E-08	5.11E-04	1.61E-07	4.69E-08
4130	483863.09, 3855377.25	8.05E-04	2.54E-07	7.39E-08	9.86E-04	3.11E-07	9.05E-08	8.61E-04	2.72E-07	7.91E-08
4131	484363.09, 3855377.25	1.97E-03	6.22E-07	1.81E-07	2.41E-03	7.62E-07	2.22E-07	2.11E-03	6.66E-07	1.94E-07
4132	484863.09, 3855377.25	6.24E-03	1.97E-06	5.73E-07	7.64E-03	2.41E-06	7.01E-07	6.72E-03	2.12E-06	6.17E-07
4133	485363.09, 3855377.25	4.94E-03	1.56E-06	4.53E-07	6.05E-03	1.91E-06	5.55E-07	5.32E-03	1.68E-06	4.88E-07
4134	485863.09, 3855377.25	2.37E-03	7.48E-07	2.18E-07	2.90E-03	9.16E-07	2.67E-07	2.55E-03	8.05E-07	2.34E-07
4135	486363.09, 3855377.25	1.50E-03	4.73E-07	1.38E-07	1.84E-03	5.80E-07	1.69E-07	1.61E-03	5.09E-07	1.48E-07
4136	486863.09, 3855377.25	1.08E-03	3.39E-07	9.87E-08	1.32E-03	4.16E-07	1.21E-07	1.16E-03	3.65E-07	1.06E-07
4137	487363.09, 3855377.25	9.28E-04	2.93E-07	8.52E-08	1.14E-03	3.59E-07	1.04E-07	9.98E-04	3.15E-07	9.16E-08
4138	487863.09, 3855377.25	8.13E-04	2.57E-07	7.46E-08	9.96E-04	3.14E-07	9.14E-08	8.75E-04	2.76E-07	8.03E-08
4139	488363.09, 3855377.25	7.22E-04	2.28E-07	6.63E-08	8.84E-04	2.79E-07	8.12E-08	7.76E-04	2.45E-07	7.13E-08
4140	488863.09, 3855377.25	6.45E-04	2.03E-07	5.92E-08	7.89E-04	2.49E-07	7.25E-08	6.93E-04	2.19E-07	6.37E-08
4141	489363.09, 3855377.25	5.76E-04	1.82E-07	5.28E-08	7.05E-04	2.22E-07	6.47E-08	6.19E-04	1.95E-07	5.68E-08
4142	489863.09, 3855377.25	5.11E-04	1.61E-07	4.69E-08	6.26E-04	1.97E-07	5.74E-08	5.49E-04	1.73E-07	5.04E-08
4143	490363.09, 3855377.25	4.67E-04	1.48E-07	4.29E-08	5.73E-04	1.81E-07	5.26E-08	5.03E-04	1.59E-07	4.61E-08
4144	490863.09, 3855377.25	3.19E-04	1.01E-07	2.93E-08	3.91E-04	1.23E-07	3.59E-08	3.43E-04	1.08E-07	3.15E-08
4145	491363.09, 3855377.25	2.64E-04	8.34E-08	2.43E-08	3.24E-04	1.02E-07	2.97E-08	2.84E-04	8.96E-08	2.61E-08
4146	491863.09, 3855377.25	3.45E-04	1.09E-07	3.17E-08	4.23E-04	1.33E-07	3.88E-08	3.71E-04	1.17E-07	3.41E-08
4147	492363.09, 3855377.25	3.21E-04	1.01E-07	2.95E-08	3.93E-04	1.24E-07	3.61E-08	3.45E-04	1.09E-07	3.17E-08
4148	492863.09, 3855377.25	2.92E-04	9.21E-08	2.68E-08	3.57E-04	1.13E-07	3.28E-08	3.14E-04	9.89E-08	2.88E-08
4149	493363.09, 3855377.25	2.55E-04	8.05E-08	2.34E-08	3.12E-04	9.86E-08	2.87E-08	2.74E-04	8.65E-08	2.52E-08
4150	493863.09, 3855377.25	1.99E-04	6.29E-08	1.83E-08	2.44E-04	7.71E-08	2.24E-08	2.14E-04	6.76E-08	1.97E-08
4151	494363.09, 3855377.25	1.46E-04	4.59E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.93E-08	1.44E-08
4152	494863.09, 3855377.25	1.04E-04	3.30E-08	9.59E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
4153	495363.09, 3855377.25	7.97E-05	2.52E-08	7.32E-09	9.76E-05	3.08E-08	8.96E-09	8.56E-05	2.70E-08	7.86E-09
4154	495863.09, 3855377.25	6.45E-05	2.04E-08	5.92E-09	7.90E-05	2.49E-08	7.25E-09	6.93E-05	2.19E-08	6.36E-09
4155	496363.09, 3855377.25	6.01E-05	1.90E-08	5.52E-09	7.36E-05	2.32E-08	6.75E-09	6.45E-05	2.04E-08	5.92E-09
4156	496863.09, 3855377.25	5.67E-05	1.79E-08	5.21E-09	6.95E-05	2.19E-08	6.38E-09	6.09E-05	1.92E-08	5.59E-09

4157	497363.09, 3855377.25	5.58E-05	1.76E-08	5.12E-09	6.84E-05	2.16E-08	6.27E-09	5.99E-05	1.89E-08	5.50E-09
4158	497863.09, 3855377.25	5.72E-05	1.80E-08	5.25E-09	7.00E-05	2.21E-08	6.43E-09	6.14E-05	1.94E-08	5.63E-09
4159	498363.09, 3855377.25	5.94E-05	1.87E-08	5.45E-09	7.27E-05	2.29E-08	6.67E-09	6.37E-05	2.01E-08	5.85E-09
4160	471363.09, 3855877.25	1.70E-05	5.38E-09	1.56E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
4161	471863.09, 3855877.25	1.80E-05	5.67E-09	1.65E-09	2.20E-05	6.95E-09	2.02E-09	1.93E-05	6.09E-09	1.77E-09
4162	472363.09, 3855877.25	1.97E-05	6.22E-09	1.81E-09	2.41E-05	7.62E-09	2.22E-09	2.12E-05	6.68E-09	1.94E-09
4163	472863.09, 3855877.25	2.05E-05	6.47E-09	1.88E-09	2.51E-05	7.93E-09	2.31E-09	2.20E-05	6.95E-09	2.02E-09
4164	473363.09, 3855877.25	2.28E-05	7.21E-09	2.10E-09	2.80E-05	8.83E-09	2.57E-09	2.45E-05	7.74E-09	2.25E-09
4165	473863.09, 3855877.25	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.61E-09	2.80E-09	2.67E-05	8.43E-09	2.45E-09
4166	474363.09, 3855877.25	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.85E-05	9.01E-09	2.62E-09
4167	474863.09, 3855877.25	2.30E-05	7.24E-09	2.11E-09	2.81E-05	8.87E-09	2.58E-09	2.46E-05	7.78E-09	2.26E-09
4168	475363.09, 3855877.25	1.51E-05	4.78E-09	1.39E-09	1.85E-05	5.85E-09	1.70E-09	1.63E-05	5.13E-09	1.49E-09
4169	475863.09, 3855877.25	6.58E-06	2.08E-09	6.04E-10	8.05E-06	2.54E-09	7.39E-10	7.06E-06	2.23E-09	6.48E-10
4170	476363.09, 3855877.25	7.11E-06	2.24E-09	6.53E-10	8.71E-06	2.75E-09	7.99E-10	7.63E-06	2.41E-09	7.01E-10
4171	476863.09, 3855877.25	1.09E-05	3.45E-09	1.00E-09	1.34E-05	4.22E-09	1.23E-09	1.17E-05	3.70E-09	1.08E-09
4172	477363.09, 3855877.25	1.36E-05	4.28E-09	1.25E-09	1.66E-05	5.25E-09	1.53E-09	1.46E-05	4.60E-09	1.34E-09
4173	477863.09, 3855877.25	1.71E-05	5.40E-09	1.57E-09	2.10E-05	6.62E-09	1.93E-09	1.84E-05	5.80E-09	1.69E-09
4174	478363.09, 3855877.25	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.74E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
4175	478863.09, 3855877.25	3.10E-05	9.77E-09	2.84E-09	3.79E-05	1.20E-08	3.48E-09	3.33E-05	1.05E-08	3.05E-09
4176	479363.09, 3855877.25	4.42E-05	1.40E-08	4.06E-09	5.42E-05	1.71E-08	4.97E-09	4.75E-05	1.50E-08	4.36E-09
4177	479863.09, 3855877.25	6.04E-05	1.91E-08	5.55E-09	7.40E-05	2.34E-08	6.79E-09	6.49E-05	2.05E-08	5.96E-09
4178	480363.09, 3855877.25	8.56E-05	2.70E-08	7.86E-09	1.05E-04	3.31E-08	9.63E-09	9.19E-05	2.90E-08	8.44E-09
4179	480863.09, 3855877.25	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
4180	481363.09, 3855877.25	1.43E-04	4.52E-08	1.32E-08	1.76E-04	5.54E-08	1.61E-08	1.54E-04	4.86E-08	1.41E-08
4181	481863.09, 3855877.25	1.99E-04	6.27E-08	1.82E-08	2.43E-04	7.67E-08	2.23E-08	2.13E-04	6.73E-08	1.96E-08
4182	482363.09, 3855877.25	2.28E-04	7.21E-08	2.10E-08	2.80E-04	8.83E-08	2.57E-08	2.45E-04	7.74E-08	2.25E-08
4183	482863.09, 3855877.25	2.89E-04	9.12E-08	2.65E-08	3.54E-04	1.12E-07	3.25E-08	3.10E-04	9.79E-08	2.85E-08
4184	483363.09, 3855877.25	3.78E-04	1.19E-07	3.47E-08	4.63E-04	1.46E-07	4.25E-08	4.06E-04	1.28E-07	3.72E-08
4185	483863.09, 3855877.25	5.24E-04	1.65E-07	4.81E-08	6.42E-04	2.03E-07	5.89E-08	5.63E-04	1.78E-07	5.16E-08
4186	484363.09, 3855877.25	8.14E-04	2.57E-07	7.47E-08	9.97E-04	3.15E-07	9.15E-08	8.75E-04	2.76E-07	8.04E-08
4187	484863.09, 3855877.25	1.66E-03	5.23E-07	1.52E-07	2.03E-03	6.40E-07	1.86E-07	1.78E-03	5.63E-07	1.64E-07
4188	485363.09, 3855877.25	7.07E-03	2.23E-06	6.49E-07	8.66E-03	2.73E-06	7.95E-07	7.64E-03	2.41E-06	7.01E-07
4189	485863.09, 3855877.25	6.24E-03	1.97E-06	5.73E-07	7.64E-03	2.41E-06	7.01E-07	6.73E-03	2.12E-06	6.18E-07
4190	486363.09, 3855877.25	2.54E-03	8.00E-07	2.33E-07	3.11E-03	9.80E-07	2.85E-07	2.73E-03	8.63E-07	2.51E-07
4191	486863.09, 3855877.25	1.69E-03	5.35E-07	1.56E-07	2.08E-03	6.55E-07	1.91E-07	1.83E-03	5.76E-07	1.68E-07
4192	487363.09, 3855877.25	1.37E-03	4.33E-07	1.26E-07	1.68E-03	5.31E-07	1.54E-07	1.48E-03	4.67E-07	1.36E-07
4193	487863.09, 3855877.25	1.14E-03	3.61E-07	1.05E-07	1.40E-03	4.42E-07	1.29E-07	1.23E-03	3.89E-07	1.13E-07
4194	488363.09, 3855877.25	9.66E-04	3.05E-07	8.87E-08	1.18E-03	3.73E-07	1.09E-07	1.04E-03	3.28E-07	9.55E-08
4195	488863.09, 3855877.25	8.29E-04	2.62E-07	7.61E-08	1.02E-03	3.21E-07	9.33E-08	8.93E-04	2.82E-07	8.20E-08
4196	489363.09, 3855877.25	7.20E-04	2.27E-07	6.61E-08	8.82E-04	2.78E-07	8.10E-08	7.75E-04	2.45E-07	7.11E-08
4197	489863.09, 3855877.25	6.32E-04	1.99E-07	5.80E-08	7.74E-04	2.44E-07	7.11E-08	6.80E-04	2.14E-07	6.24E-08
4198	490363.09, 3855877.25	5.60E-04	1.77E-07	5.14E-08	6.86E-04	2.17E-07	6.30E-08	6.02E-04	1.90E-07	5.53E-08
4199	490863.09, 3855877.25	4.97E-04	1.57E-07	4.56E-08	6.08E-04	1.92E-07	5.59E-08	5.34E-04	1.68E-07	4.90E-08
4200	491363.09, 3855877.25	4.24E-04	1.34E-07	3.89E-08	5.19E-04	1.64E-07	4.76E-08	4.55E-04	1.44E-07	4.18E-08
4201	491863.09, 3855877.25	4.01E-04	1.26E-07	3.68E-08	4.91E-04	1.55E-07	4.50E-08	4.30E-04	1.36E-07	3.95E-08
4202	492363.09, 3855877.25	3.58E-04	1.13E-07	3.28E-08	4.38E-04	1.38E-07	4.02E-08	3.84E-04	1.21E-07	3.53E-08
4203	492863.09, 3855877.25	3.21E-04	1.01E-07	2.94E-08	3.93E-04	1.24E-07	3.61E-08	3.44E-04	1.09E-07	3.16E-08
4204	493363.09, 3855877.25	2.53E-04	7.97E-08	2.32E-08	3.09E-04	9.77E-08	2.84E-08	2.71E-04	8.56E-08	2.49E-08
4205	493863.09, 3855877.25	1.78E-04	5.60E-08	1.63E-08	2.18E-04	6.86E-08	2.00E-08	1.91E-04	6.02E-08	1.75E-08
4206	494363.09, 3855877.25	1.23E-04	3.87E-08	1.12E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
4207	494863.09, 3855877.25	9.06E-05	2.86E-08	8.31E-09	1.11E-04	3.50E-08	1.02E-08	9.73E-05	3.07E-08	8.93E-09
4208	495363.09, 3855877.25	6.41E-05	2.02E-08	5.89E-09	7.85E-05	2.48E-08	7.21E-09	6.89E-05	2.17E-08	6.32E-09
4209	495863.09, 3855877.25	6.03E-05	1.90E-08	5.54E-09	7.39E-05	2.33E-08	6.79E-09	6.48E-05	2.04E-08	5.95E-09
4210	496363.09, 3855877.25	5.79E-05	1.83E-08	5.31E-09	7.09E-05	2.24E-08	6.51E-09	6.21E-05	1.96E-08	5.71E-09
4211	496863.09, 3855877.25	5.82E-05	1.84E-08	5.34E-09	7.12E-05	2.25E-08	6.54E-09	6.24E-05	1.97E-08	5.73E-09
4212	497363.09, 3855877.25	5.90E-05	1.86E-08	5.42E-09	7.22E-05	2.28E-08	6.63E-09	6.33E-05	2.00E-08	5.81E-09
4213	497863.09, 3855877.25	6.11E-05	1.93E-08	5.61E-09	7.48E-05	2.36E-08	6.87E-09	6.56E-05	2.07E-08	6.02E-09
4214	498363.09, 3855877.25	6.80E-05	2.15E-08	6.24E-09	8.32E-05	2.63E-08	7.64E-09	7.30E-05	2.30E-08	6.70E-09
4215	471363.09, 3856377.25	1.77E-05	5.58E-09	1.62E-09	2.17E-05	6.84E-09	1.99E-09	1.90E-05	5.99E-09	1.74E-09
4216	471863.09, 3856377.25	1.86E-05	5.86E-09	1.70E-09	2.27E-05	7.17E-09	2.09E-09	1.99E-05	6.29E-09	1.83E-09
4217	472363.09, 3856377.25	2.00E-05	6.30E-09	1.83E-09	2.44E-05	7.71E-09	2.24E-09	2.14E-05	6.76E-09	1.97E-09
4218	472863.09, 3856377.25	2.17E-05	6.84E-09	1.99E-09	2.65E-05	8.38E-09	2.44E-09	2.33E-05	7.34E-09	2.14E-09
4219	473363.09, 3856377.25	2.33E-05	7.35E-09	2.14E-09	2.85E-05	9.00E-09	2.62E-09	2.50E-05	7.89E-09	2.29E-09
4220	473863.09, 3856377.25	2.58E-05	8.14E-09	2.37E-09	3.16E-05	9.97E-09	2.90E-09	2.77E-05	8.74E-09	2.54E-09

4221	474363.09, 3856377.25	2.63E-05	8.30E-09	2.41E-09	3.22E-05	1.02E-08	2.96E-09	2.82E-05	8.91E-09	2.59E-09
4222	474863.09, 3856377.25	2.59E-05	8.16E-09	2.37E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.77E-09	2.55E-09
4223	475363.09, 3856377.25	2.18E-05	6.88E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
4224	475863.09, 3856377.25	1.51E-05	4.76E-09	1.39E-09	1.85E-05	5.83E-09	1.70E-09	1.62E-05	5.12E-09	1.49E-09
4225	476363.09, 3856377.25	1.42E-05	4.48E-09	1.30E-09	1.74E-05	5.48E-09	1.59E-09	1.52E-05	4.81E-09	1.40E-09
4226	476863.09, 3856377.25	1.46E-05	4.62E-09	1.34E-09	1.79E-05	5.66E-09	1.65E-09	1.57E-05	4.96E-09	1.44E-09
4227	477363.09, 3856377.25	1.59E-05	5.03E-09	1.46E-09	1.95E-05	6.16E-09	1.79E-09	1.71E-05	5.40E-09	1.57E-09
4228	477863.09, 3856377.25	1.28E-05	4.05E-09	1.18E-09	1.57E-05	4.96E-09	1.44E-09	1.38E-05	4.35E-09	1.27E-09
4229	478363.09, 3856377.25	1.16E-05	3.66E-09	1.06E-09	1.42E-05	4.48E-09	1.30E-09	1.25E-05	3.93E-09	1.14E-09
4230	478863.09, 3856377.25	2.43E-05	7.67E-09	2.23E-09	2.98E-05	9.39E-09	2.73E-09	2.61E-05	8.24E-09	2.40E-09
4231	479363.09, 3856377.25	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.29E-09
4232	479863.09, 3856377.25	5.96E-05	1.88E-08	5.48E-09	7.31E-05	2.31E-08	6.71E-09	6.41E-05	2.02E-08	5.88E-09
4233	480363.09, 3856377.25	9.08E-05	2.86E-08	8.33E-09	1.11E-04	3.51E-08	1.02E-08	9.74E-05	3.07E-08	8.94E-09
4234	480863.09, 3856377.25	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
4235	481363.09, 3856377.25	1.52E-04	4.81E-08	1.40E-08	1.87E-04	5.89E-08	1.71E-08	1.63E-04	5.16E-08	1.50E-08
4236	481863.09, 3856377.25	1.82E-04	5.74E-08	1.67E-08	2.23E-04	7.03E-08	2.04E-08	1.95E-04	6.16E-08	1.79E-08
4237	482363.09, 3856377.25	2.04E-04	6.44E-08	1.87E-08	2.50E-04	7.89E-08	2.30E-08	2.19E-04	6.92E-08	2.01E-08
4238	482863.09, 3856377.25	2.49E-04	7.87E-08	2.29E-08	3.06E-04	9.64E-08	2.81E-08	2.68E-04	8.46E-08	2.46E-08
4239	483363.09, 3856377.25	3.12E-04	9.84E-08	2.86E-08	3.82E-04	1.21E-07	3.51E-08	3.35E-04	1.06E-07	3.07E-08
4240	483863.09, 3856377.25	4.01E-04	1.26E-07	3.68E-08	4.91E-04	1.55E-07	4.50E-08	4.31E-04	1.36E-07	3.95E-08
4241	484363.09, 3856377.25	5.25E-04	1.66E-07	4.82E-08	6.42E-04	2.03E-07	5.90E-08	5.64E-04	1.78E-07	5.18E-08
4242	484863.09, 3856377.25	7.54E-04	2.38E-07	6.92E-08	9.23E-04	2.91E-07	8.47E-08	8.12E-04	2.56E-07	7.45E-08
4243	485363.09, 3856377.25	1.38E-03	4.37E-07	1.27E-07	1.69E-03	5.35E-07	1.56E-07	1.49E-03	4.71E-07	1.37E-07
4244	485863.09, 3856377.25	5.25E-03	1.66E-06	4.82E-07	6.43E-03	2.03E-06	5.91E-07	5.67E-03	1.79E-06	5.20E-07
4245	486363.09, 3856377.25	6.64E-03	2.10E-06	6.10E-07	8.14E-03	2.57E-06	7.47E-07	7.17E-03	2.26E-06	6.58E-07
4246	486863.09, 3856377.25	3.07E-03	9.70E-07	2.82E-07	3.77E-03	1.19E-06	3.46E-07	3.32E-03	1.05E-06	3.05E-07
4247	487363.09, 3856377.25	2.04E-03	6.45E-07	1.88E-07	2.50E-03	7.90E-07	2.30E-07	2.20E-03	6.96E-07	2.02E-07
4248	487863.09, 3856377.25	1.54E-03	4.85E-07	1.41E-07	1.88E-03	5.93E-07	1.73E-07	1.65E-03	5.22E-07	1.52E-07
4249	488363.09, 3856377.25	1.22E-03	3.84E-07	1.12E-07	1.49E-03	4.70E-07	1.37E-07	1.31E-03	4.14E-07	1.20E-07
4250	488863.09, 3856377.25	1.00E-03	3.16E-07	9.18E-08	1.22E-03	3.86E-07	1.12E-07	1.08E-03	3.39E-07	9.87E-08
4251	489363.09, 3856377.25	8.42E-04	2.66E-07	7.73E-08	1.03E-03	3.25E-07	9.47E-08	9.05E-04	2.86E-07	8.31E-08
4252	489863.09, 3856377.25	7.22E-04	2.28E-07	6.63E-08	8.85E-04	2.79E-07	8.12E-08	7.76E-04	2.45E-07	7.12E-08
4253	490363.09, 3856377.25	6.27E-04	1.98E-07	5.76E-08	7.68E-04	2.42E-07	7.05E-08	6.73E-04	2.13E-07	6.18E-08
4254	490863.09, 3856377.25	5.51E-04	1.74E-07	5.05E-08	6.74E-04	2.13E-07	6.19E-08	5.91E-04	1.87E-07	5.42E-08
4255	491363.09, 3856377.25	4.87E-04	1.54E-07	4.47E-08	5.97E-04	1.88E-07	5.48E-08	5.23E-04	1.65E-07	4.80E-08
4256	491863.09, 3856377.25	4.33E-04	1.37E-07	3.97E-08	5.30E-04	1.67E-07	4.87E-08	4.64E-04	1.47E-07	4.26E-08
4257	492363.09, 3856377.25	3.81E-04	1.20E-07	3.50E-08	4.66E-04	1.47E-07	4.28E-08	4.09E-04	1.29E-07	3.75E-08
4258	492863.09, 3856377.25	3.14E-04	9.91E-08	2.88E-08	3.85E-04	1.21E-07	3.53E-08	3.37E-04	1.06E-07	3.10E-08
4259	493363.09, 3856377.25	2.03E-04	6.40E-08	1.86E-08	2.48E-04	7.84E-08	2.28E-08	2.18E-04	6.87E-08	2.00E-08
4260	493863.09, 3856377.25	1.53E-04	4.83E-08	1.40E-08	1.87E-04	5.91E-08	1.72E-08	1.64E-04	5.18E-08	1.51E-08
4261	494363.09, 3856377.25	1.08E-04	3.41E-08	9.92E-09	1.32E-04	4.18E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
4262	494863.09, 3856377.25	7.92E-05	2.50E-08	7.27E-09	9.70E-05	3.06E-08	8.91E-09	8.50E-05	2.68E-08	7.81E-09
4263	495363.09, 3856377.25	6.31E-05	1.99E-08	5.79E-09	7.73E-05	2.44E-08	7.10E-09	6.78E-05	2.14E-08	6.22E-09
4264	495863.09, 3856377.25	5.90E-05	1.86E-08	5.41E-09	7.22E-05	2.28E-08	6.63E-09	6.33E-05	2.00E-08	5.81E-09
4265	496363.09, 3856377.25	5.77E-05	1.82E-08	5.30E-09	7.07E-05	2.23E-08	6.49E-09	6.20E-05	1.96E-08	5.69E-09
4266	496863.09, 3856377.25	6.06E-05	1.91E-08	5.56E-09	7.42E-05	2.34E-08	6.81E-09	6.51E-05	2.05E-08	5.97E-09
4267	497363.09, 3856377.25	6.29E-05	1.99E-08	5.77E-09	7.70E-05	2.43E-08	7.07E-09	6.75E-05	2.13E-08	6.20E-09
4268	497863.09, 3856377.25	6.77E-05	2.14E-08	6.21E-09	8.29E-05	2.62E-08	7.61E-09	7.27E-05	2.29E-08	6.67E-09
4269	498363.09, 3856377.25	7.43E-05	2.35E-08	6.82E-09	9.10E-05	2.87E-08	8.36E-09	7.98E-05	2.52E-08	7.33E-09
4270	471363.09, 3856877.25	1.81E-05	5.72E-09	1.66E-09	2.22E-05	7.00E-09	2.04E-09	1.94E-05	6.14E-09	1.78E-09
4271	471863.09, 3856877.25	1.88E-05	5.94E-09	1.73E-09	2.30E-05	7.27E-09	2.12E-09	2.02E-05	6.37E-09	1.85E-09
4272	472363.09, 3856877.25	2.01E-05	6.36E-09	1.85E-09	2.47E-05	7.79E-09	2.27E-09	2.16E-05	6.83E-09	1.99E-09
4273	472863.09, 3856877.25	2.16E-05	6.81E-09	1.98E-09	2.64E-05	8.34E-09	2.43E-09	2.32E-05	7.31E-09	2.13E-09
4274	473363.09, 3856877.25	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.25E-09	2.69E-09	2.57E-05	8.11E-09	2.36E-09
4275	473863.09, 3856877.25	2.56E-05	8.09E-09	2.35E-09	3.14E-05	9.92E-09	2.88E-09	2.75E-05	8.69E-09	2.53E-09
4276	474363.09, 3856877.25	2.59E-05	8.18E-09	2.38E-09	3.18E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.56E-09
4277	474863.09, 3856877.25	2.52E-05	7.96E-09	2.32E-09	3.09E-05	9.75E-09	2.84E-09	2.71E-05	8.55E-09	2.49E-09
4278	475363.09, 3856877.25	2.23E-05	7.05E-09	2.05E-09	2.74E-05	8.64E-09	2.51E-09	2.40E-05	7.57E-09	2.20E-09
4279	475863.09, 3856877.25	2.27E-05	7.18E-09	2.09E-09	2.79E-05	8.79E-09	2.56E-09	2.44E-05	7.71E-09	2.24E-09
4280	476363.09, 3856877.25	2.01E-05	6.33E-09	1.84E-09	2.46E-05	7.76E-09	2.26E-09	2.15E-05	6.80E-09	1.98E-09
4281	476863.09, 3856877.25	1.95E-05	6.16E-09	1.79E-09	2.39E-05	7.55E-09	2.20E-09	2.10E-05	6.62E-09	1.93E-09
4282	477363.09, 3856877.25	1.74E-05	5.48E-09	1.59E-09	2.13E-05	6.71E-09	1.95E-09	1.86E-05	5.89E-09	1.71E-09
4283	477863.09, 3856877.25	1.17E-05	3.70E-09	1.08E-09	1.44E-05	4.53E-09	1.32E-09	1.26E-05	3.97E-09	1.16E-09
4284	478363.09, 3856877.25	1.04E-05	3.29E-09	9.58E-10	1.28E-05	4.03E-09	1.17E-09	1.12E-05	3.54E-09	1.03E-09

4285	478863.09, 3856877.25	1.36E-05	4.31E-09	1.25E-09	1.67E-05	5.27E-09	1.53E-09	1.47E-05	4.62E-09	1.35E-09
4286	479363.09, 3856877.25	1.90E-05	6.00E-09	1.75E-09	2.33E-05	7.35E-09	2.14E-09	2.04E-05	6.45E-09	1.87E-09
4287	479863.09, 3856877.25	5.44E-05	1.72E-08	5.00E-09	6.67E-05	2.10E-08	6.12E-09	5.85E-05	1.85E-08	5.37E-09
4288	480363.09, 3856877.25	8.81E-05	2.78E-08	8.09E-09	1.08E-04	3.41E-08	9.91E-09	9.46E-05	2.99E-08	8.68E-09
4289	480863.09, 3856877.25	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
4290	481363.09, 3856877.25	1.40E-04	4.43E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.38E-08
4291	481863.09, 3856877.25	1.65E-04	5.19E-08	1.51E-08	2.02E-04	6.36E-08	1.85E-08	1.77E-04	5.58E-08	1.62E-08
4292	482363.09, 3856877.25	1.83E-04	5.79E-08	1.68E-08	2.25E-04	7.09E-08	2.06E-08	1.97E-04	6.22E-08	1.81E-08
4293	482863.09, 3856877.25	2.15E-04	6.80E-08	1.98E-08	2.64E-04	8.33E-08	2.42E-08	2.31E-04	7.30E-08	2.12E-08
4294	483363.09, 3856877.25	2.59E-04	8.19E-08	2.38E-08	3.18E-04	1.00E-07	2.92E-08	2.79E-04	8.80E-08	2.56E-08
4295	483863.09, 3856877.25	3.18E-04	1.00E-07	2.92E-08	3.89E-04	1.23E-07	3.57E-08	3.41E-04	1.08E-07	3.13E-08
4296	484363.09, 3856877.25	3.96E-04	1.25E-07	3.63E-08	4.84E-04	1.53E-07	4.45E-08	4.26E-04	1.34E-07	3.91E-08
4297	484863.09, 3856877.25	5.05E-04	1.60E-07	4.64E-08	6.19E-04	1.95E-07	5.68E-08	5.44E-04	1.72E-07	4.99E-08
4298	485363.09, 3856877.25	7.14E-04	2.25E-07	6.55E-08	8.74E-04	2.76E-07	8.02E-08	7.68E-04	2.42E-07	7.05E-08
4299	485863.09, 3856877.25	1.19E-03	3.75E-07	1.09E-07	1.45E-03	4.59E-07	1.33E-07	1.28E-03	4.03E-07	1.17E-07
4300	486363.09, 3856877.25	5.40E-03	1.71E-06	4.96E-07	6.62E-03	2.09E-06	6.08E-07	5.83E-03	1.84E-06	5.35E-07
4301	486863.09, 3856877.25	8.01E-03	2.53E-06	7.35E-07	9.80E-03	3.09E-06	9.00E-07	8.64E-03	2.73E-06	7.93E-07
4302	487363.09, 3856877.25	3.21E-03	1.01E-06	2.94E-07	3.93E-03	1.24E-06	3.61E-07	3.45E-03	1.09E-06	3.17E-07
4303	487863.09, 3856877.25	1.95E-03	6.15E-07	1.79E-07	2.39E-03	7.54E-07	2.19E-07	2.09E-03	6.61E-07	1.92E-07
4304	488363.09, 3856877.25	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.52E-07	1.61E-07	1.53E-03	4.83E-07	1.40E-07
4305	488863.09, 3856877.25	1.13E-03	3.55E-07	1.03E-07	1.38E-03	4.35E-07	1.27E-07	1.21E-03	3.80E-07	1.11E-07
4306	489363.09, 3856877.25	9.20E-04	2.90E-07	8.45E-08	1.13E-03	3.56E-07	1.03E-07	9.85E-04	3.11E-07	9.05E-08
4307	489863.09, 3856877.25	7.72E-04	2.44E-07	7.08E-08	9.45E-04	2.98E-07	8.68E-08	8.27E-04	2.61E-07	7.59E-08
4308	490363.09, 3856877.25	6.59E-04	2.08E-07	6.05E-08	8.07E-04	2.55E-07	7.41E-08	7.06E-04	2.23E-07	6.48E-08
4309	490863.09, 3856877.25	5.70E-04	1.80E-07	5.23E-08	6.98E-04	2.20E-07	6.41E-08	6.11E-04	1.93E-07	5.61E-08
4310	491363.09, 3856877.25	4.99E-04	1.58E-07	4.58E-08	6.11E-04	1.93E-07	5.61E-08	5.35E-04	1.69E-07	4.91E-08
4311	491863.09, 3856877.25	4.40E-04	1.39E-07	4.04E-08	5.39E-04	1.70E-07	4.95E-08	4.72E-04	1.49E-07	4.34E-08
4312	492363.09, 3856877.25	3.64E-04	1.15E-07	3.34E-08	4.45E-04	1.41E-07	4.09E-08	3.90E-04	1.23E-07	3.58E-08
4313	492863.09, 3856877.25	2.86E-04	9.02E-08	2.62E-08	3.50E-04	1.10E-07	3.21E-08	3.06E-04	9.67E-08	2.81E-08
4314	493363.09, 3856877.25	2.04E-04	6.45E-08	1.88E-08	2.50E-04	7.90E-08	2.30E-08	2.19E-04	6.92E-08	2.01E-08
4315	493863.09, 3856877.25	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.22E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
4316	494363.09, 3856877.25	9.39E-05	2.96E-08	8.62E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.25E-09
4317	494863.09, 3856877.25	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.58E-09
4318	495363.09, 3856877.25	6.76E-05	2.13E-08	6.21E-09	8.28E-05	2.61E-08	7.60E-09	7.26E-05	2.29E-08	6.66E-09
4319	495863.09, 3856877.25	6.45E-05	2.03E-08	5.92E-09	7.90E-05	2.49E-08	7.25E-09	6.92E-05	2.18E-08	6.35E-09
4320	496363.09, 3856877.25	6.26E-05	1.98E-08	5.75E-09	7.67E-05	2.42E-08	7.04E-09	6.72E-05	2.12E-08	6.17E-09
4321	496863.09, 3856877.25	6.32E-05	2.00E-08	5.81E-09	7.75E-05	2.44E-08	7.11E-09	6.79E-05	2.14E-08	6.23E-09
4322	497363.09, 3856877.25	6.61E-05	2.09E-08	6.07E-09	8.10E-05	2.56E-08	7.44E-09	7.10E-05	2.24E-08	6.52E-09
4323	497863.09, 3856877.25	7.41E-05	2.34E-08	6.80E-09	9.08E-05	2.86E-08	8.33E-09	7.95E-05	2.51E-08	7.30E-09
4324	498363.09, 3856877.25	8.38E-05	2.65E-08	7.69E-09	1.03E-04	3.24E-08	9.42E-09	9.00E-05	2.84E-08	8.26E-09
4325	471363.09, 3857377.25	1.84E-05	5.81E-09	1.69E-09	2.25E-05	7.12E-09	2.07E-09	1.98E-05	6.24E-09	1.81E-09
4326	471863.09, 3857377.25	1.91E-05	6.02E-09	1.75E-09	2.34E-05	7.37E-09	2.14E-09	2.05E-05	6.47E-09	1.88E-09
4327	472363.09, 3857377.25	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.81E-09	2.27E-09	2.17E-05	6.85E-09	1.99E-09
4328	472863.09, 3857377.25	2.17E-05	6.84E-09	1.99E-09	2.65E-05	8.37E-09	2.44E-09	2.33E-05	7.34E-09	2.14E-09
4329	473363.09, 3857377.25	2.35E-05	7.43E-09	2.16E-09	2.88E-05	9.10E-09	2.65E-09	2.53E-05	7.98E-09	2.32E-09
4330	473863.09, 3857377.25	2.58E-05	8.15E-09	2.37E-09	3.16E-05	9.98E-09	2.90E-09	2.77E-05	8.75E-09	2.55E-09
4331	474363.09, 3857377.25	2.55E-05	8.05E-09	2.34E-09	3.13E-05	9.86E-09	2.87E-09	2.74E-05	8.65E-09	2.52E-09
4332	474863.09, 3857377.25	2.09E-05	6.59E-09	1.92E-09	2.56E-05	8.08E-09	2.35E-09	2.24E-05	7.08E-09	2.06E-09
4333	475363.09, 3857377.25	1.47E-05	4.65E-09	1.35E-09	1.81E-05	5.70E-09	1.66E-09	1.58E-05	5.00E-09	1.45E-09
4334	475863.09, 3857377.25	1.38E-05	4.34E-09	1.26E-09	1.68E-05	5.32E-09	1.55E-09	1.48E-05	4.66E-09	1.36E-09
4335	476363.09, 3857377.25	1.86E-05	5.88E-09	1.71E-09	2.28E-05	7.21E-09	2.10E-09	2.00E-05	6.32E-09	1.84E-09
4336	476863.09, 3857377.25	2.03E-05	6.40E-09	1.86E-09	2.48E-05	7.84E-09	2.28E-09	2.18E-05	6.87E-09	2.00E-09
4337	477363.09, 3857377.25	1.77E-05	5.57E-09	1.62E-09	2.16E-05	6.83E-09	1.99E-09	1.90E-05	5.99E-09	1.74E-09
4338	477863.09, 3857377.25	1.30E-05	4.09E-09	1.19E-09	1.59E-05	5.01E-09	1.46E-09	1.39E-05	4.39E-09	1.28E-09
4339	478363.09, 3857377.25	9.78E-06	3.09E-09	8.98E-10	1.20E-05	3.78E-09	1.10E-09	1.05E-05	3.32E-09	9.64E-10
4340	478863.09, 3857377.25	8.38E-06	2.65E-09	7.70E-10	1.03E-05	3.24E-09	9.43E-10	9.01E-06	2.84E-09	8.27E-10
4341	479363.09, 3857377.25	1.42E-05	4.49E-09	1.31E-09	1.74E-05	5.50E-09	1.60E-09	1.53E-05	4.82E-09	1.40E-09
4342	479863.09, 3857377.25	4.48E-05	1.42E-08	4.12E-09	5.49E-05	1.73E-08	5.04E-09	4.82E-05	1.52E-08	4.42E-09
4343	480363.09, 3857377.25	3.60E-05	1.14E-08	3.31E-09	4.41E-05	1.39E-08	4.05E-09	3.87E-05	1.22E-08	3.55E-09
4344	480863.09, 3857377.25	1.07E-04	3.38E-08	9.84E-09	1.31E-04	4.14E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
4345	481363.09, 3857377.25	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
4346	481863.09, 3857377.25	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.58E-04	4.97E-08	1.45E-08
4347	482363.09, 3857377.25	1.67E-04	5.26E-08	1.53E-08	2.04E-04	6.44E-08	1.87E-08	1.79E-04	5.65E-08	1.64E-08
4348	482863.09, 3857377.25	1.87E-04	5.91E-08	1.72E-08	2.30E-04	7.24E-08	2.11E-08	2.01E-04	6.35E-08	1.85E-08

4349	483363.09, 3857377.25	2.17E-04	6.85E-08	1.99E-08	2.66E-04	8.38E-08	2.44E-08	2.33E-04	7.36E-08	2.14E-08
4350	483863.09, 3857377.25	2.57E-04	8.10E-08	2.36E-08	3.14E-04	9.92E-08	2.89E-08	2.76E-04	8.71E-08	2.53E-08
4351	484363.09, 3857377.25	3.04E-04	9.60E-08	2.79E-08	3.73E-04	1.18E-07	3.42E-08	3.27E-04	1.03E-07	3.00E-08
4352	484863.09, 3857377.25	3.70E-04	1.17E-07	3.40E-08	4.54E-04	1.43E-07	4.16E-08	3.98E-04	1.26E-07	3.66E-08
4353	485363.09, 3857377.25	4.65E-04	1.47E-07	4.27E-08	5.70E-04	1.80E-07	5.23E-08	5.00E-04	1.58E-07	4.59E-08
4354	485863.09, 3857377.25	6.22E-04	1.96E-07	5.71E-08	7.62E-04	2.41E-07	7.00E-08	6.69E-04	2.11E-07	6.14E-08
4355	486363.09, 3857377.25	1.02E-03	3.23E-07	9.40E-08	1.25E-03	3.96E-07	1.15E-07	1.10E-03	3.47E-07	1.01E-07
4356	486863.09, 3857377.25	3.32E-03	1.05E-06	3.05E-07	4.07E-03	1.28E-06	3.73E-07	3.55E-03	1.12E-06	3.26E-07
4357	487363.09, 3857377.25	6.20E-03	1.96E-06	5.69E-07	7.60E-03	2.40E-06	6.97E-07	6.46E-03	2.04E-06	5.93E-07
4358	487863.09, 3857377.25	2.42E-03	7.64E-07	2.22E-07	2.96E-03	9.35E-07	2.72E-07	2.56E-03	8.08E-07	2.35E-07
4359	488363.09, 3857377.25	1.58E-03	4.99E-07	1.45E-07	1.94E-03	6.11E-07	1.78E-07	1.68E-03	5.32E-07	1.55E-07
4360	488863.09, 3857377.25	1.17E-03	3.69E-07	1.07E-07	1.43E-03	4.52E-07	1.31E-07	1.25E-03	3.94E-07	1.15E-07
4361	489363.09, 3857377.25	9.23E-04	2.91E-07	8.47E-08	1.13E-03	3.57E-07	1.04E-07	9.87E-04	3.11E-07	9.06E-08
4362	489863.09, 3857377.25	7.60E-04	2.40E-07	6.98E-08	9.31E-04	2.94E-07	8.55E-08	8.14E-04	2.57E-07	7.47E-08
4363	490363.09, 3857377.25	6.41E-04	2.02E-07	5.88E-08	7.85E-04	2.48E-07	7.20E-08	6.86E-04	2.17E-07	6.30E-08
4364	490863.09, 3857377.25	5.51E-04	1.74E-07	5.06E-08	6.74E-04	2.13E-07	6.19E-08	5.90E-04	1.86E-07	5.42E-08
4365	491363.09, 3857377.25	4.80E-04	1.51E-07	4.40E-08	5.88E-04	1.85E-07	5.39E-08	5.14E-04	1.62E-07	4.72E-08
4366	491863.09, 3857377.25	4.20E-04	1.32E-07	3.85E-08	5.14E-04	1.62E-07	4.72E-08	4.50E-04	1.42E-07	4.13E-08
4367	492363.09, 3857377.25	3.27E-04	1.03E-07	3.01E-08	4.01E-04	1.27E-07	3.68E-08	3.51E-04	1.11E-07	3.22E-08
4368	492863.09, 3857377.25	2.27E-04	7.15E-08	2.08E-08	2.78E-04	8.76E-08	2.55E-08	2.43E-04	7.67E-08	2.23E-08
4369	493363.09, 3857377.25	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
4370	493863.09, 3857377.25	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
4371	494363.09, 3857377.25	9.70E-05	3.06E-08	8.91E-09	1.19E-04	3.75E-08	1.09E-08	1.04E-04	3.29E-08	9.56E-09
4372	494863.09, 3857377.25	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.14E-05	2.89E-08	8.39E-09
4373	495363.09, 3857377.25	7.61E-05	2.40E-08	6.99E-09	9.33E-05	2.94E-08	8.56E-09	8.17E-05	2.58E-08	7.50E-09
4374	495863.09, 3857377.25	7.27E-05	2.30E-08	6.68E-09	8.91E-05	2.81E-08	8.18E-09	7.81E-05	2.46E-08	7.17E-09
4375	496363.09, 3857377.25	7.08E-05	2.24E-08	6.50E-09	8.67E-05	2.74E-08	7.96E-09	7.60E-05	2.40E-08	6.98E-09
4376	496863.09, 3857377.25	7.01E-05	2.21E-08	6.43E-09	8.58E-05	2.71E-08	7.88E-09	7.52E-05	2.37E-08	6.91E-09
4377	497363.09, 3857377.25	7.29E-05	2.30E-08	6.69E-09	8.93E-05	2.82E-08	8.20E-09	7.83E-05	2.47E-08	7.18E-09
4378	497863.09, 3857377.25	7.86E-05	2.48E-08	7.22E-09	9.63E-05	3.04E-08	8.84E-09	8.44E-05	2.66E-08	7.75E-09
4379	498363.09, 3857377.25	9.51E-05	3.00E-08	8.73E-09	1.16E-04	3.68E-08	1.07E-08	1.02E-04	3.22E-08	9.37E-09
4380	471363.09, 3857877.25	1.84E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.25E-09	1.82E-09
4381	471863.09, 3857877.25	1.93E-05	6.08E-09	1.77E-09	2.36E-05	7.45E-09	2.17E-09	2.07E-05	6.53E-09	1.90E-09
4382	472363.09, 3857877.25	2.05E-05	6.46E-09	1.88E-09	2.51E-05	7.91E-09	2.30E-09	2.20E-05	6.94E-09	2.02E-09
4383	472863.09, 3857877.25	2.22E-05	7.02E-09	2.04E-09	2.72E-05	8.60E-09	2.50E-09	2.39E-05	7.54E-09	2.19E-09
4384	473363.09, 3857877.25	2.37E-05	7.49E-09	2.18E-09	2.91E-05	9.18E-09	2.67E-09	2.55E-05	8.05E-09	2.34E-09
4385	473863.09, 3857877.25	2.59E-05	8.16E-09	2.37E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.77E-09	2.55E-09
4386	474363.09, 3857877.25	2.53E-05	7.98E-09	2.32E-09	3.10E-05	9.77E-09	2.84E-09	2.71E-05	8.57E-09	2.49E-09
4387	474863.09, 3857877.25	2.00E-05	6.31E-09	1.84E-09	2.45E-05	7.73E-09	2.25E-09	2.15E-05	6.78E-09	1.97E-09
4388	475363.09, 3857877.25	1.10E-05	3.48E-09	1.01E-09	1.35E-05	4.26E-09	1.24E-09	1.18E-05	3.74E-09	1.09E-09
4389	475863.09, 3857877.25	4.90E-06	1.55E-09	4.50E-10	6.00E-06	1.89E-09	5.51E-10	5.26E-06	1.66E-09	4.83E-10
4390	476363.09, 3857877.25	1.28E-05	4.04E-09	1.17E-09	1.57E-05	4.95E-09	1.44E-09	1.37E-05	4.34E-09	1.26E-09
4391	476863.09, 3857877.25	1.64E-05	5.18E-09	1.51E-09	2.01E-05	6.34E-09	1.84E-09	1.76E-05	5.56E-09	1.62E-09
4392	477363.09, 3857877.25	1.61E-05	5.08E-09	1.48E-09	1.97E-05	6.22E-09	1.81E-09	1.73E-05	5.46E-09	1.59E-09
4393	477863.09, 3857877.25	1.55E-05	4.90E-09	1.43E-09	1.90E-05	6.01E-09	1.75E-09	1.67E-05	5.27E-09	1.53E-09
4394	478363.09, 3857877.25	8.25E-06	2.60E-09	7.58E-10	1.01E-05	3.19E-09	9.28E-10	8.86E-06	2.80E-09	8.14E-10
4395	478863.09, 3857877.25	6.73E-06	2.13E-09	6.18E-10	8.25E-06	2.60E-09	7.57E-10	7.23E-06	2.28E-09	6.64E-10
4396	479363.09, 3857877.25	4.01E-05	1.27E-08	3.69E-09	4.92E-05	1.55E-08	4.52E-09	4.31E-05	1.36E-08	3.96E-09
4397	479863.09, 3857877.25	7.23E-05	2.28E-08	6.64E-09	8.86E-05	2.79E-08	8.13E-09	7.77E-05	2.45E-08	7.13E-09
4398	480363.09, 3857877.25	8.69E-05	2.74E-08	7.98E-09	1.06E-04	3.36E-08	9.78E-09	9.34E-05	2.95E-08	8.58E-09
4399	480863.09, 3857877.25	9.83E-05	3.10E-08	9.03E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.70E-09
4400	481363.09, 3857877.25	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
4401	481863.09, 3857877.25	1.30E-04	4.11E-08	1.20E-08	1.59E-04	5.03E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
4402	482363.09, 3857877.25	1.51E-04	4.76E-08	1.38E-08	1.85E-04	5.83E-08	1.69E-08	1.62E-04	5.11E-08	1.49E-08
4403	482863.09, 3857877.25	1.61E-04	5.09E-08	1.48E-08	1.98E-04	6.23E-08	1.81E-08	1.73E-04	5.47E-08	1.59E-08
4404	483363.09, 3857877.25	1.82E-04	5.76E-08	1.68E-08	2.24E-04	7.05E-08	2.05E-08	1.96E-04	6.19E-08	1.80E-08
4405	483863.09, 3857877.25	2.10E-04	6.63E-08	1.93E-08	2.57E-04	8.12E-08	2.36E-08	2.26E-04	7.12E-08	2.07E-08
4406	484363.09, 3857877.25	2.41E-04	7.62E-08	2.22E-08	2.96E-04	9.33E-08	2.71E-08	2.59E-04	8.19E-08	2.38E-08
4407	484863.09, 3857877.25	2.82E-04	8.89E-08	2.59E-08	3.45E-04	1.09E-07	3.17E-08	3.03E-04	9.55E-08	2.78E-08
4408	485363.09, 3857877.25	3.34E-04	1.05E-07	3.07E-08	4.09E-04	1.29E-07	3.76E-08	3.59E-04	1.13E-07	3.29E-08
4409	485863.09, 3857877.25	4.09E-04	1.29E-07	3.75E-08	5.01E-04	1.58E-07	4.60E-08	4.39E-04	1.38E-07	4.03E-08
4410	486363.09, 3857877.25	5.26E-04	1.66E-07	4.83E-08	6.44E-04	2.03E-07	5.91E-08	5.64E-04	1.78E-07	5.17E-08
4411	486863.09, 3857877.25	7.58E-04	2.39E-07	6.96E-08	9.28E-04	2.93E-07	8.52E-08	8.11E-04	2.56E-07	7.45E-08
4412	487363.09, 3857877.25	1.72E-03	5.43E-07	1.58E-07	2.11E-03	6.65E-07	1.93E-07	1.85E-03	5.84E-07	1.70E-07

4413	487863.09, 3857877.25	2.83E-03	8.92E-07	2.60E-07	3.46E-03	1.09E-06	3.18E-07	3.04E-03	9.60E-07	2.79E-07
4414	488363.09, 3857877.25	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.52E-07	1.61E-07	1.53E-03	4.84E-07	1.41E-07
4415	488863.09, 3857877.25	1.02E-03	3.21E-07	9.34E-08	1.25E-03	3.93E-07	1.14E-07	1.09E-03	3.44E-07	1.00E-07
4416	489363.09, 3857877.25	8.13E-04	2.57E-07	7.47E-08	9.96E-04	3.14E-07	9.14E-08	8.72E-04	2.75E-07	8.00E-08
4417	489863.09, 3857877.25	6.77E-04	2.14E-07	6.21E-08	8.29E-04	2.62E-07	7.61E-08	7.25E-04	2.29E-07	6.66E-08
4418	490363.09, 3857877.25	5.76E-04	1.82E-07	5.28E-08	7.05E-04	2.23E-07	6.47E-08	6.17E-04	1.95E-07	5.67E-08
4419	490863.09, 3857877.25	4.97E-04	1.57E-07	4.56E-08	6.08E-04	1.92E-07	5.59E-08	5.33E-04	1.68E-07	4.89E-08
4420	491363.09, 3857877.25	4.29E-04	1.36E-07	3.94E-08	5.26E-04	1.66E-07	4.83E-08	4.61E-04	1.45E-07	4.23E-08
4421	491863.09, 3857877.25	3.65E-04	1.15E-07	3.36E-08	4.48E-04	1.41E-07	4.11E-08	3.92E-04	1.24E-07	3.60E-08
4422	492363.09, 3857877.25	2.65E-04	8.35E-08	2.43E-08	3.24E-04	1.02E-07	2.98E-08	2.84E-04	8.96E-08	2.61E-08
4423	492863.09, 3857877.25	1.77E-04	5.59E-08	1.63E-08	2.17E-04	6.84E-08	1.99E-08	1.90E-04	6.00E-08	1.74E-08
4424	493363.09, 3857877.25	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
4425	493863.09, 3857877.25	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
4426	494363.09, 3857877.25	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
4427	494863.09, 3857877.25	9.29E-05	2.93E-08	8.53E-09	1.14E-04	3.59E-08	1.04E-08	9.98E-05	3.15E-08	9.16E-09
4428	495363.09, 3857877.25	8.61E-05	2.72E-08	7.90E-09	1.05E-04	3.33E-08	9.68E-09	9.24E-05	2.92E-08	8.48E-09
4429	495863.09, 3857877.25	8.04E-05	2.54E-08	7.38E-09	9.84E-05	3.11E-08	9.04E-09	8.63E-05	2.72E-08	7.92E-09
4430	496363.09, 3857877.25	7.99E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.98E-09	8.57E-05	2.71E-08	7.87E-09
4431	496863.09, 3857877.25	7.96E-05	2.51E-08	7.30E-09	9.74E-05	3.08E-08	8.95E-09	8.54E-05	2.70E-08	7.84E-09
4432	497363.09, 3857877.25	7.78E-05	2.46E-08	7.15E-09	9.53E-05	3.01E-08	8.75E-09	8.36E-05	2.64E-08	7.67E-09
4433	497863.09, 3857877.25	8.83E-05	2.79E-08	8.10E-09	1.08E-04	3.41E-08	9.92E-09	9.47E-05	2.99E-08	8.70E-09
4434	498363.09, 3857877.25	9.82E-05	3.10E-08	9.01E-09	1.20E-04	3.79E-08	1.10E-08	1.05E-04	3.33E-08	9.67E-09
4435	471363.09, 3858377.25	1.90E-05	5.99E-09	1.74E-09	2.33E-05	7.34E-09	2.14E-09	2.04E-05	6.44E-09	1.87E-09
4436	471863.09, 3858377.25	1.99E-05	6.28E-09	1.83E-09	2.44E-05	7.70E-09	2.24E-09	2.14E-05	6.75E-09	1.96E-09
4437	472363.09, 3858377.25	2.10E-05	6.62E-09	1.92E-09	2.57E-05	8.11E-09	2.36E-09	2.25E-05	7.11E-09	2.07E-09
4438	472863.09, 3858377.25	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.73E-09	2.54E-09	2.42E-05	7.65E-09	2.23E-09
4439	473363.09, 3858377.25	2.51E-05	7.92E-09	2.30E-09	3.07E-05	9.70E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
4440	473863.09, 3858377.25	2.62E-05	8.27E-09	2.41E-09	3.21E-05	1.01E-08	2.95E-09	2.81E-05	8.88E-09	2.58E-09
4441	474363.09, 3858377.25	2.49E-05	7.86E-09	2.29E-09	3.05E-05	9.63E-09	2.80E-09	2.67E-05	8.44E-09	2.45E-09
4442	474863.09, 3858377.25	2.10E-05	6.61E-09	1.92E-09	2.57E-05	8.10E-09	2.36E-09	2.25E-05	7.10E-09	2.07E-09
4443	475363.09, 3858377.25	1.39E-05	4.38E-09	1.28E-09	1.70E-05	5.37E-09	1.56E-09	1.49E-05	4.71E-09	1.37E-09
4444	475863.09, 3858377.25	9.62E-06	3.04E-09	8.83E-10	1.18E-05	3.72E-09	1.08E-09	1.03E-05	3.26E-09	9.48E-10
4445	476363.09, 3858377.25	1.06E-05	3.36E-09	9.76E-10	1.30E-05	4.11E-09	1.20E-09	1.14E-05	3.61E-09	1.05E-09
4446	476863.09, 3858377.25	1.20E-05	3.79E-09	1.10E-09	1.47E-05	4.65E-09	1.35E-09	1.29E-05	4.08E-09	1.19E-09
4447	477363.09, 3858377.25	1.14E-05	3.59E-09	1.05E-09	1.40E-05	4.40E-09	1.28E-09	1.22E-05	3.86E-09	1.12E-09
4448	477863.09, 3858377.25	1.61E-05	5.10E-09	1.48E-09	1.98E-05	6.24E-09	1.82E-09	1.73E-05	5.47E-09	1.59E-09
4449	478363.09, 3858377.25	1.76E-05	5.56E-09	1.62E-09	2.16E-05	6.82E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09
4450	478863.09, 3858377.25	1.14E-05	3.60E-09	1.05E-09	1.40E-05	4.41E-09	1.28E-09	1.23E-05	3.87E-09	1.13E-09
4451	479363.09, 3858377.25	4.17E-05	1.32E-08	3.83E-09	5.11E-05	1.61E-08	4.69E-09	4.48E-05	1.41E-08	4.11E-09
4452	479863.09, 3858377.25	7.09E-05	2.24E-08	6.51E-09	8.69E-05	2.74E-08	7.98E-09	7.62E-05	2.40E-08	6.99E-09
4453	480363.09, 3858377.25	8.23E-05	2.60E-08	7.56E-09	1.01E-04	3.18E-08	9.26E-09	8.84E-05	2.79E-08	8.12E-09
4454	480863.09, 3858377.25	9.15E-05	2.89E-08	8.40E-09	1.12E-04	3.54E-08	1.03E-08	9.83E-05	3.10E-08	9.03E-09
4455	481363.09, 3858377.25	1.03E-04	3.25E-08	9.47E-09	1.26E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
4456	481863.09, 3858377.25	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
4457	482363.09, 3858377.25	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.49E-08	1.30E-08
4458	482863.09, 3858377.25	1.48E-04	4.68E-08	1.36E-08	1.82E-04	5.73E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
4459	483363.09, 3858377.25	1.58E-04	4.97E-08	1.45E-08	1.93E-04	6.09E-08	1.77E-08	1.69E-04	5.34E-08	1.55E-08
4460	483863.09, 3858377.25	1.73E-04	5.45E-08	1.59E-08	2.12E-04	6.68E-08	1.94E-08	1.86E-04	5.86E-08	1.70E-08
4461	484363.09, 3858377.25	1.95E-04	6.15E-08	1.79E-08	2.39E-04	7.53E-08	2.19E-08	2.09E-04	6.61E-08	1.92E-08
4462	484863.09, 3858377.25	2.20E-04	6.93E-08	2.02E-08	2.69E-04	8.49E-08	2.47E-08	2.36E-04	7.44E-08	2.17E-08
4463	485363.09, 3858377.25	2.49E-04	7.85E-08	2.28E-08	3.04E-04	9.61E-08	2.79E-08	2.67E-04	8.42E-08	2.45E-08
4464	485863.09, 3858377.25	2.86E-04	9.03E-08	2.63E-08	3.50E-04	1.11E-07	3.22E-08	3.07E-04	9.69E-08	2.82E-08
4465	486363.09, 3858377.25	3.35E-04	1.06E-07	3.08E-08	4.11E-04	1.30E-07	3.77E-08	3.60E-04	1.14E-07	3.30E-08
4466	486863.09, 3858377.25	3.98E-04	1.26E-07	3.66E-08	4.88E-04	1.54E-07	4.48E-08	4.27E-04	1.35E-07	3.92E-08
4467	487363.09, 3858377.25	5.07E-04	1.60E-07	4.66E-08	6.21E-04	1.96E-07	5.70E-08	5.45E-04	1.72E-07	5.00E-08
4468	487863.09, 3858377.25	8.55E-04	2.70E-07	7.85E-08	1.05E-03	3.31E-07	9.62E-08	9.21E-04	2.91E-07	8.45E-08
4469	488363.09, 3858377.25	2.16E-03	6.82E-07	1.98E-07	2.65E-03	8.36E-07	2.43E-07	2.33E-03	7.36E-07	2.14E-07
4470	488863.09, 3858377.25	1.00E-03	3.17E-07	9.21E-08	1.23E-03	3.88E-07	1.13E-07	1.08E-03	3.41E-07	9.92E-08
4471	489363.09, 3858377.25	7.31E-04	2.31E-07	6.71E-08	8.96E-04	2.83E-07	8.22E-08	7.86E-04	2.48E-07	7.22E-08
4472	489863.09, 3858377.25	5.92E-04	1.87E-07	5.44E-08	7.26E-04	2.29E-07	6.66E-08	6.37E-04	2.01E-07	5.84E-08
4473	490363.09, 3858377.25	4.97E-04	1.57E-07	4.56E-08	6.08E-04	1.92E-07	5.59E-08	5.34E-04	1.68E-07	4.90E-08
4474	490863.09, 3858377.25	4.26E-04	1.35E-07	3.91E-08	5.22E-04	1.65E-07	4.79E-08	4.58E-04	1.44E-07	4.20E-08
4475	491363.09, 3858377.25	3.66E-04	1.15E-07	3.36E-08	4.48E-04	1.41E-07	4.11E-08	3.92E-04	1.24E-07	3.60E-08
4476	491863.09, 3858377.25	2.89E-04	9.12E-08	2.65E-08	3.54E-04	1.12E-07	3.25E-08	3.10E-04	9.79E-08	2.85E-08

4477	492363.09, 3858377.25	1.89E-04	5.97E-08	1.74E-08	2.32E-04	7.31E-08	2.13E-08	2.03E-04	6.41E-08	1.86E-08
4478	492863.09, 3858377.25	1.95E-04	6.15E-08	1.79E-08	2.39E-04	7.54E-08	2.19E-08	2.09E-04	6.60E-08	1.92E-08
4479	493363.09, 3858377.25	1.62E-04	5.11E-08	1.49E-08	1.98E-04	6.25E-08	1.82E-08	1.74E-04	5.48E-08	1.59E-08
4480	493863.09, 3858377.25	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
4481	494363.09, 3858377.25	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
4482	494863.09, 3858377.25	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
4483	495363.09, 3858377.25	9.53E-05	3.01E-08	8.75E-09	1.17E-04	3.68E-08	1.07E-08	1.02E-04	3.23E-08	9.39E-09
4484	495863.09, 3858377.25	9.14E-05	2.89E-08	8.39E-09	1.12E-04	3.53E-08	1.03E-08	9.82E-05	3.10E-08	9.01E-09
4485	496363.09, 3858377.25	8.71E-05	2.75E-08	7.99E-09	1.07E-04	3.37E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
4486	496863.09, 3858377.25	8.98E-05	2.83E-08	8.24E-09	1.10E-04	3.47E-08	1.01E-08	9.64E-05	3.04E-08	8.85E-09
4487	497363.09, 3858377.25	8.88E-05	2.80E-08	8.16E-09	1.09E-04	3.43E-08	9.99E-09	9.54E-05	3.01E-08	8.76E-09
4488	497863.09, 3858377.25	9.65E-05	3.05E-08	8.86E-09	1.18E-04	3.73E-08	1.09E-08	1.04E-04	3.27E-08	9.52E-09
4489	498363.09, 3858377.25	1.06E-04	3.34E-08	9.72E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
4490	471363.09, 3858877.25	1.93E-05	6.08E-09	1.77E-09	2.36E-05	7.44E-09	2.16E-09	2.07E-05	6.52E-09	1.90E-09
4491	471863.09, 3858877.25	2.02E-05	6.38E-09	1.85E-09	2.47E-05	7.81E-09	2.27E-09	2.17E-05	6.84E-09	1.99E-09
4492	472363.09, 3858877.25	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
4493	472863.09, 3858877.25	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.05E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
4494	473363.09, 3858877.25	2.54E-05	8.03E-09	2.33E-09	3.11E-05	9.83E-09	2.86E-09	2.73E-05	8.62E-09	2.51E-09
4495	473863.09, 3858877.25	2.66E-05	8.38E-09	2.44E-09	3.25E-05	1.03E-08	2.99E-09	2.85E-05	9.00E-09	2.62E-09
4496	474363.09, 3858877.25	2.59E-05	8.18E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.55E-09
4497	474863.09, 3858877.25	1.33E-05	4.20E-09	1.22E-09	1.63E-05	5.15E-09	1.50E-09	1.43E-05	4.51E-09	1.31E-09
4498	475363.09, 3858877.25	9.51E-06	3.00E-09	8.73E-10	1.17E-05	3.68E-09	1.07E-09	1.02E-05	3.23E-09	9.38E-10
4499	475863.09, 3858877.25	1.12E-05	3.55E-09	1.03E-09	1.38E-05	4.34E-09	1.26E-09	1.21E-05	3.81E-09	1.11E-09
4500	476363.09, 3858877.25	6.75E-06	2.13E-09	6.19E-10	8.27E-06	2.61E-09	7.59E-10	7.25E-06	2.29E-09	6.65E-10
4501	476863.09, 3858877.25	8.86E-06	2.80E-09	8.13E-10	1.09E-05	3.43E-09	9.96E-10	9.52E-06	3.00E-09	8.74E-10
4502	477363.09, 3858877.25	9.19E-06	2.90E-09	8.44E-10	1.13E-05	3.55E-09	1.03E-09	9.87E-06	3.12E-09	9.06E-10
4503	477863.09, 3858877.25	1.19E-05	3.76E-09	1.09E-09	1.46E-05	4.60E-09	1.34E-09	1.28E-05	4.04E-09	1.17E-09
4504	478363.09, 3858877.25	2.72E-05	8.58E-09	2.49E-09	3.33E-05	1.05E-08	3.06E-09	2.92E-05	9.21E-09	2.68E-09
4505	478863.09, 3858877.25	2.29E-05	7.23E-09	2.10E-09	2.81E-05	8.86E-09	2.58E-09	2.46E-05	7.77E-09	2.26E-09
4506	479363.09, 3858877.25	1.81E-05	5.73E-09	1.67E-09	2.22E-05	7.02E-09	2.04E-09	1.95E-05	6.15E-09	1.79E-09
4507	479863.09, 3858877.25	6.77E-05	2.14E-08	6.22E-09	8.29E-05	2.62E-08	7.61E-09	7.28E-05	2.30E-08	6.68E-09
4508	480363.09, 3858877.25	7.61E-05	2.40E-08	6.98E-09	9.32E-05	2.94E-08	8.55E-09	8.17E-05	2.58E-08	7.50E-09
4509	480863.09, 3858877.25	8.44E-05	2.66E-08	7.75E-09	1.03E-04	3.26E-08	9.49E-09	9.07E-05	2.86E-08	8.33E-09
4510	481363.09, 3858877.25	9.35E-05	2.95E-08	8.58E-09	1.15E-04	3.61E-08	1.05E-08	1.00E-04	3.17E-08	9.22E-09
4511	481863.09, 3858877.25	1.04E-04	3.29E-08	9.57E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
4512	482363.09, 3858877.25	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
4513	482863.09, 3858877.25	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.35E-08	1.26E-08
4514	483363.09, 3858877.25	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.43E-04	4.53E-08	1.32E-08
4515	483863.09, 3858877.25	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
4516	484363.09, 3858877.25	1.58E-04	5.00E-08	1.45E-08	1.94E-04	6.13E-08	1.78E-08	1.70E-04	5.37E-08	1.56E-08
4517	484863.09, 3858877.25	1.74E-04	5.48E-08	1.59E-08	2.13E-04	6.71E-08	1.95E-08	1.87E-04	5.89E-08	1.71E-08
4518	485363.09, 3858877.25	1.91E-04	6.02E-08	1.75E-08	2.34E-04	7.37E-08	2.14E-08	2.05E-04	6.46E-08	1.88E-08
4519	485863.09, 3858877.25	2.11E-04	6.66E-08	1.94E-08	2.58E-04	8.15E-08	2.37E-08	2.26E-04	7.15E-08	2.08E-08
4520	486363.09, 3858877.25	2.32E-04	7.31E-08	2.13E-08	2.84E-04	8.95E-08	2.60E-08	2.49E-04	7.85E-08	2.28E-08
4521	486863.09, 3858877.25	2.58E-04	8.13E-08	2.37E-08	3.16E-04	9.96E-08	2.90E-08	2.77E-04	8.73E-08	2.54E-08
4522	487363.09, 3858877.25	2.98E-04	9.40E-08	2.74E-08	3.65E-04	1.15E-07	3.35E-08	3.20E-04	1.01E-07	2.94E-08
4523	487863.09, 3858877.25	3.55E-04	1.12E-07	3.26E-08	4.35E-04	1.37E-07	4.00E-08	3.82E-04	1.21E-07	3.51E-08
4524	488363.09, 3858877.25	5.14E-04	1.62E-07	4.72E-08	6.30E-04	1.99E-07	5.78E-08	5.53E-04	1.75E-07	5.08E-08
4525	488863.09, 3858877.25	1.86E-03	5.87E-07	1.71E-07	2.28E-03	7.19E-07	2.09E-07	2.01E-03	6.33E-07	1.84E-07
4526	489363.09, 3858877.25	6.39E-04	2.02E-07	5.87E-08	7.83E-04	2.47E-07	7.19E-08	6.89E-04	2.17E-07	6.32E-08
4527	489863.09, 3858877.25	4.47E-04	1.41E-07	4.11E-08	5.48E-04	1.73E-07	5.03E-08	4.81E-04	1.52E-07	4.42E-08
4528	490363.09, 3858877.25	3.70E-04	1.17E-07	3.40E-08	4.54E-04	1.43E-07	4.17E-08	3.98E-04	1.26E-07	3.65E-08
4529	490863.09, 3858877.25	3.16E-04	9.97E-08	2.90E-08	3.87E-04	1.22E-07	3.55E-08	3.39E-04	1.07E-07	3.11E-08
4530	491363.09, 3858877.25	2.60E-04	8.20E-08	2.39E-08	3.18E-04	1.00E-07	2.92E-08	2.79E-04	8.80E-08	2.56E-08
4531	491863.09, 3858877.25	1.94E-04	6.12E-08	1.78E-08	2.38E-04	7.50E-08	2.18E-08	2.08E-04	6.57E-08	1.91E-08
4532	492363.09, 3858877.25	2.05E-04	6.48E-08	1.88E-08	2.51E-04	7.94E-08	2.31E-08	2.20E-04	6.96E-08	2.02E-08
4533	492863.09, 3858877.25	2.09E-04	6.60E-08	1.92E-08	2.56E-04	8.08E-08	2.35E-08	2.24E-04	7.08E-08	2.06E-08
4534	493363.09, 3858877.25	1.88E-04	5.92E-08	1.72E-08	2.30E-04	7.26E-08	2.11E-08	2.01E-04	6.36E-08	1.85E-08
4535	493863.09, 3858877.25	1.56E-04	4.92E-08	1.43E-08	1.91E-04	6.03E-08	1.75E-08	1.67E-04	5.28E-08	1.54E-08
4536	494363.09, 3858877.25	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
4537	494863.09, 3858877.25	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
4538	495363.09, 3858877.25	1.11E-04	3.52E-08	1.02E-08	1.36E-04	4.31E-08	1.25E-08	1.20E-04	3.77E-08	1.10E-08
4539	495863.09, 3858877.25	1.04E-04	3.28E-08	9.55E-09	1.27E-04	4.02E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
4540	496363.09, 3858877.25	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.95E-09

4541	496863.09, 3858877.25	9.81E-05	3.10E-08	9.01E-09	1.20E-04	3.79E-08	1.10E-08	1.05E-04	3.32E-08	9.67E-09
4542	497363.09, 3858877.25	9.50E-05	3.00E-08	8.72E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.22E-08	9.36E-09
4543	497863.09, 3858877.25	1.03E-04	3.24E-08	9.43E-09	1.26E-04	3.97E-08	1.16E-08	1.10E-04	3.48E-08	1.01E-08
4544	498363.09, 3858877.25	1.08E-04	3.39E-08	9.87E-09	1.32E-04	4.16E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
4545	471363.09, 3859377.25	1.95E-05	6.16E-09	1.79E-09	2.39E-05	7.55E-09	2.20E-09	2.10E-05	6.62E-09	1.92E-09
4546	471863.09, 3859377.25	2.07E-05	6.53E-09	1.90E-09	2.53E-05	8.00E-09	2.33E-09	2.22E-05	7.01E-09	2.04E-09
4547	472363.09, 3859377.25	2.22E-05	7.00E-09	2.04E-09	2.72E-05	8.57E-09	2.49E-09	2.38E-05	7.52E-09	2.19E-09
4548	472863.09, 3859377.25	2.36E-05	7.45E-09	2.17E-09	2.89E-05	9.13E-09	2.66E-09	2.54E-05	8.00E-09	2.33E-09
4549	473363.09, 3859377.25	2.53E-05	7.97E-09	2.32E-09	3.09E-05	9.77E-09	2.84E-09	2.71E-05	8.56E-09	2.49E-09
4550	473863.09, 3859377.25	2.67E-05	8.42E-09	2.45E-09	3.27E-05	1.03E-08	3.00E-09	2.87E-05	9.04E-09	2.63E-09
4551	474363.09, 3859377.25	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.80E-09	2.56E-09
4552	474863.09, 3859377.25	2.09E-05	6.60E-09	1.92E-09	2.56E-05	8.09E-09	2.35E-09	2.25E-05	7.09E-09	2.06E-09
4553	475363.09, 3859377.25	1.39E-05	4.38E-09	1.27E-09	1.70E-05	5.37E-09	1.56E-09	1.49E-05	4.70E-09	1.37E-09
4554	475863.09, 3859377.25	8.57E-06	2.70E-09	7.86E-10	1.05E-05	3.31E-09	9.63E-10	9.20E-06	2.90E-09	8.45E-10
4555	476363.09, 3859377.25	7.57E-06	2.39E-09	6.95E-10	9.27E-06	2.93E-09	8.51E-10	8.13E-06	2.57E-09	7.47E-10
4556	476863.09, 3859377.25	6.05E-06	1.91E-09	5.56E-10	7.42E-06	2.34E-09	6.81E-10	6.50E-06	2.05E-09	5.97E-10
4557	477363.09, 3859377.25	6.72E-06	2.12E-09	6.17E-10	8.23E-06	2.60E-09	7.56E-10	7.22E-06	2.28E-09	6.63E-10
4558	477863.09, 3859377.25	1.37E-05	4.32E-09	1.26E-09	1.67E-05	5.29E-09	1.54E-09	1.47E-05	4.64E-09	1.35E-09
4559	478363.09, 3859377.25	2.36E-05	7.45E-09	2.17E-09	2.89E-05	9.13E-09	2.66E-09	2.54E-05	8.00E-09	2.33E-09
4560	478863.09, 3859377.25	3.85E-05	1.21E-08	3.53E-09	4.71E-05	1.49E-08	4.33E-09	4.13E-05	1.30E-08	3.79E-09
4561	479363.09, 3859377.25	5.13E-05	1.62E-08	4.71E-09	6.28E-05	1.98E-08	5.77E-09	5.51E-05	1.74E-08	5.06E-09
4562	479863.09, 3859377.25	6.12E-05	1.93E-08	5.62E-09	7.50E-05	2.37E-08	6.88E-09	6.58E-05	2.08E-08	6.04E-09
4563	480363.09, 3859377.25	6.99E-05	2.21E-08	6.42E-09	8.56E-05	2.70E-08	7.86E-09	7.51E-05	2.37E-08	6.89E-09
4564	480863.09, 3859377.25	7.70E-05	2.43E-08	7.06E-09	9.43E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.59E-09
4565	481363.09, 3859377.25	8.46E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.09E-05	2.87E-08	8.34E-09
4566	481863.09, 3859377.25	9.30E-05	2.94E-08	8.54E-09	1.14E-04	3.60E-08	1.05E-08	9.99E-05	3.15E-08	9.17E-09
4567	482363.09, 3859377.25	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	9.99E-09
4568	482863.09, 3859377.25	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
4569	483363.09, 3859377.25	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
4570	483863.09, 3859377.25	1.20E-04	3.80E-08	1.11E-08	1.48E-04	4.66E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
4571	484363.09, 3859377.25	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
4572	484863.09, 3859377.25	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.41E-08	1.57E-08	1.50E-04	4.74E-08	1.38E-08
4573	485363.09, 3859377.25	1.50E-04	4.73E-08	1.38E-08	1.84E-04	5.80E-08	1.69E-08	1.61E-04	5.08E-08	1.48E-08
4574	485863.09, 3859377.25	1.60E-04	5.06E-08	1.47E-08	1.96E-04	6.20E-08	1.80E-08	1.72E-04	5.43E-08	1.58E-08
4575	486363.09, 3859377.25	1.71E-04	5.41E-08	1.57E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.81E-08	1.69E-08
4576	486863.09, 3859377.25	1.81E-04	5.71E-08	1.66E-08	2.22E-04	6.99E-08	2.03E-08	1.94E-04	6.13E-08	1.78E-08
4577	487363.09, 3859377.25	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.52E-08	1.90E-08
4578	487863.09, 3859377.25	2.11E-04	6.65E-08	1.93E-08	2.58E-04	8.14E-08	2.37E-08	2.26E-04	7.14E-08	2.08E-08
4579	488363.09, 3859377.25	2.29E-04	7.23E-08	2.10E-08	2.81E-04	8.85E-08	2.58E-08	2.46E-04	7.77E-08	2.26E-08
4580	488863.09, 3859377.25	2.41E-04	7.60E-08	2.21E-08	2.95E-04	9.31E-08	2.71E-08	2.59E-04	8.17E-08	2.38E-08
4581	489363.09, 3859377.25	2.44E-04	7.70E-08	2.24E-08	2.99E-04	9.43E-08	2.74E-08	2.62E-04	8.28E-08	2.41E-08
4582	489863.09, 3859377.25	2.36E-04	7.45E-08	2.17E-08	2.89E-04	9.13E-08	2.65E-08	2.54E-04	8.01E-08	2.33E-08
4583	490363.09, 3859377.25	2.29E-04	7.21E-08	2.10E-08	2.80E-04	8.84E-08	2.57E-08	2.46E-04	7.75E-08	2.25E-08
4584	490863.09, 3859377.25	2.16E-04	6.82E-08	1.98E-08	2.65E-04	8.36E-08	2.43E-08	2.32E-04	7.33E-08	2.13E-08
4585	491363.09, 3859377.25	1.86E-04	5.86E-08	1.71E-08	2.28E-04	7.18E-08	2.09E-08	1.99E-04	6.29E-08	1.83E-08
4586	491863.09, 3859377.25	1.96E-04	6.19E-08	1.80E-08	2.40E-04	7.58E-08	2.21E-08	2.11E-04	6.65E-08	1.93E-08
4587	492363.09, 3859377.25	1.87E-04	5.91E-08	1.72E-08	2.29E-04	7.23E-08	2.10E-08	2.01E-04	6.34E-08	1.84E-08
4588	492863.09, 3859377.25	1.78E-04	5.62E-08	1.63E-08	2.18E-04	6.88E-08	2.00E-08	1.91E-04	6.03E-08	1.75E-08
4589	493363.09, 3859377.25	1.64E-04	5.19E-08	1.51E-08	2.01E-04	6.35E-08	1.85E-08	1.76E-04	5.57E-08	1.62E-08
4590	493863.09, 3859377.25	1.55E-04	4.91E-08	1.43E-08	1.90E-04	6.01E-08	1.75E-08	1.67E-04	5.27E-08	1.53E-08
4591	494363.09, 3859377.25	1.45E-04	4.57E-08	1.33E-08	1.77E-04	5.60E-08	1.63E-08	1.55E-04	4.91E-08	1.43E-08
4592	494863.09, 3859377.25	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
4593	495363.09, 3859377.25	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
4594	495863.09, 3859377.25	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
4595	496363.09, 3859377.25	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
4596	496863.09, 3859377.25	1.00E-04	3.16E-08	9.21E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
4597	497363.09, 3859377.25	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	9.99E-09
4598	497863.09, 3859377.25	1.04E-04	3.30E-08	9.59E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
4599	498363.09, 3859377.25	1.03E-04	3.27E-08	9.50E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.51E-08	1.02E-08
4600	471363.09, 3859877.25	1.98E-05	6.25E-09	1.82E-09	2.43E-05	7.66E-09	2.23E-09	2.13E-05	6.71E-09	1.95E-09
4601	471863.09, 3859877.25	2.09E-05	6.61E-09	1.92E-09	2.57E-05	8.10E-09	2.36E-09	2.25E-05	7.10E-09	2.07E-09
4602	472363.09, 3859877.25	2.21E-05	6.97E-09	2.03E-09	2.70E-05	8.53E-09	2.48E-09	2.37E-05	7.48E-09	2.18E-09
4603	472863.09, 3859877.25	2.36E-05	7.44E-09	2.16E-09	2.89E-05	9.11E-09	2.65E-09	2.53E-05	7.99E-09	2.33E-09
4604	473363.09, 3859877.25	2.52E-05	7.95E-09	2.31E-09	3.09E-05	9.74E-09	2.83E-09	2.71E-05	8.54E-09	2.49E-09

4605	473863.09, 3859877.25	2.69E-05	8.47E-09	2.47E-09	3.29E-05	1.04E-08	3.02E-09	2.88E-05	9.10E-09	2.65E-09
4606	474363.09, 3859877.25	2.72E-05	8.59E-09	2.50E-09	3.33E-05	1.05E-08	3.06E-09	2.92E-05	9.22E-09	2.68E-09
4607	474863.09, 3859877.25	2.55E-05	8.06E-09	2.34E-09	3.13E-05	9.87E-09	2.87E-09	2.74E-05	8.65E-09	2.52E-09
4608	475363.09, 3859877.25	1.69E-05	5.35E-09	1.56E-09	2.08E-05	6.55E-09	1.91E-09	1.82E-05	5.74E-09	1.67E-09
4609	475863.09, 3859877.25	8.29E-06	2.62E-09	7.61E-10	1.01E-05	3.20E-09	9.32E-10	8.90E-06	2.81E-09	8.17E-10
4610	476363.09, 3859877.25	4.86E-06	1.54E-09	4.47E-10	5.96E-06	1.88E-09	5.47E-10	5.22E-06	1.65E-09	4.80E-10
4611	476863.09, 3859877.25	5.75E-06	1.81E-09	5.28E-10	7.04E-06	2.22E-09	6.47E-10	6.18E-06	1.95E-09	5.67E-10
4612	477363.09, 3859877.25	6.29E-06	1.98E-09	5.77E-10	7.70E-06	2.43E-09	7.07E-10	6.75E-06	2.13E-09	6.20E-10
4613	477863.09, 3859877.25	1.23E-05	3.87E-09	1.13E-09	1.50E-05	4.74E-09	1.38E-09	1.32E-05	4.16E-09	1.21E-09
4614	478363.09, 3859877.25	2.32E-05	7.33E-09	2.13E-09	2.85E-05	8.98E-09	2.61E-09	2.50E-05	7.88E-09	2.29E-09
4615	478863.09, 3859877.25	3.70E-05	1.17E-08	3.40E-09	4.54E-05	1.43E-08	4.17E-09	3.98E-05	1.26E-08	3.65E-09
4616	479363.09, 3859877.25	4.98E-05	1.57E-08	4.57E-09	6.10E-05	1.93E-08	5.60E-09	5.35E-05	1.69E-08	4.91E-09
4617	479863.09, 3859877.25	5.80E-05	1.83E-08	5.32E-09	7.10E-05	2.24E-08	6.52E-09	6.23E-05	1.97E-08	5.72E-09
4618	480363.09, 3859877.25	6.44E-05	2.03E-08	5.92E-09	7.89E-05	2.49E-08	7.25E-09	6.92E-05	2.18E-08	6.35E-09
4619	480863.09, 3859877.25	6.99E-05	2.21E-08	6.42E-09	8.57E-05	2.70E-08	7.86E-09	7.51E-05	2.37E-08	6.89E-09
4620	481363.09, 3859877.25	7.60E-05	2.40E-08	6.97E-09	9.30E-05	2.94E-08	8.54E-09	8.15E-05	2.57E-08	7.49E-09
4621	481863.09, 3859877.25	8.21E-05	2.59E-08	7.53E-09	1.01E-04	3.17E-08	9.23E-09	8.81E-05	2.78E-08	8.09E-09
4622	482363.09, 3859877.25	8.81E-05	2.78E-08	8.09E-09	1.08E-04	3.41E-08	9.91E-09	9.46E-05	2.99E-08	8.69E-09
4623	482863.09, 3859877.25	9.49E-05	2.99E-08	8.71E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.22E-08	9.35E-09
4624	483363.09, 3859877.25	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
4625	483863.09, 3859877.25	1.03E-04	3.25E-08	9.44E-09	1.26E-04	3.98E-08	1.16E-08	1.11E-04	3.49E-08	1.01E-08
4626	484363.09, 3859877.25	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
4627	484863.09, 3859877.25	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
4628	485363.09, 3859877.25	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
4629	485863.09, 3859877.25	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
4630	486363.09, 3859877.25	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
4631	486863.09, 3859877.25	1.36E-04	4.29E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
4632	487363.09, 3859877.25	1.38E-04	4.35E-08	1.27E-08	1.69E-04	5.33E-08	1.55E-08	1.48E-04	4.68E-08	1.36E-08
4633	487863.09, 3859877.25	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.58E-04	4.97E-08	1.45E-08
4634	488363.09, 3859877.25	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.02E-08	1.46E-08
4635	488863.09, 3859877.25	1.52E-04	4.80E-08	1.40E-08	1.86E-04	5.88E-08	1.71E-08	1.63E-04	5.16E-08	1.50E-08
4636	489363.09, 3859877.25	1.57E-04	4.94E-08	1.44E-08	1.92E-04	6.05E-08	1.76E-08	1.68E-04	5.31E-08	1.54E-08
4637	489863.09, 3859877.25	1.57E-04	4.97E-08	1.44E-08	1.93E-04	6.08E-08	1.77E-08	1.69E-04	5.33E-08	1.55E-08
4638	490363.09, 3859877.25	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
4639	490863.09, 3859877.25	1.49E-04	4.70E-08	1.37E-08	1.82E-04	5.76E-08	1.67E-08	1.60E-04	5.05E-08	1.47E-08
4640	491363.09, 3859877.25	1.48E-04	4.69E-08	1.36E-08	1.82E-04	5.74E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
4641	491863.09, 3859877.25	1.48E-04	4.69E-08	1.36E-08	1.82E-04	5.74E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
4642	492363.09, 3859877.25	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
4643	492863.09, 3859877.25	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
4644	493363.09, 3859877.25	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
4645	493863.09, 3859877.25	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
4646	494363.09, 3859877.25	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
4647	494863.09, 3859877.25	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
4648	495363.09, 3859877.25	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
4649	495863.09, 3859877.25	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
4650	496363.09, 3859877.25	1.02E-04	3.23E-08	9.38E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
4651	496863.09, 3859877.25	8.24E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.85E-05	2.79E-08	8.12E-09
4652	497363.09, 3859877.25	9.27E-05	2.93E-08	8.51E-09	1.14E-04	3.58E-08	1.04E-08	9.95E-05	3.14E-08	9.14E-09
4653	497863.09, 3859877.25	9.58E-05	3.02E-08	8.80E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.25E-08	9.44E-09
4654	498363.09, 3859877.25	9.25E-05	2.92E-08	8.49E-09	1.13E-04	3.57E-08	1.04E-08	9.92E-05	3.13E-08	9.11E-09
4655	471363.09, 3860377.25	1.99E-05	6.27E-09	1.82E-09	2.43E-05	7.68E-09	2.23E-09	2.13E-05	6.74E-09	1.96E-09
4656	471863.09, 3860377.25	2.10E-05	6.62E-09	1.92E-09	2.57E-05	8.11E-09	2.36E-09	2.25E-05	7.11E-09	2.07E-09
4657	472363.09, 3860377.25	2.23E-05	7.02E-09	2.04E-09	2.73E-05	8.60E-09	2.50E-09	2.39E-05	7.55E-09	2.19E-09
4658	472863.09, 3860377.25	2.37E-05	7.49E-09	2.18E-09	2.91E-05	9.18E-09	2.67E-09	2.55E-05	8.05E-09	2.34E-09
4659	473363.09, 3860377.25	2.52E-05	7.97E-09	2.32E-09	3.09E-05	9.76E-09	2.84E-09	2.71E-05	8.56E-09	2.49E-09
4660	473863.09, 3860377.25	2.67E-05	8.42E-09	2.45E-09	3.27E-05	1.03E-08	3.00E-09	2.87E-05	9.05E-09	2.63E-09
4661	474363.09, 3860377.25	2.78E-05	8.77E-09	2.55E-09	3.40E-05	1.07E-08	3.12E-09	2.98E-05	9.42E-09	2.74E-09
4662	474863.09, 3860377.25	2.82E-05	8.89E-09	2.59E-09	3.45E-05	1.09E-08	3.17E-09	3.03E-05	9.55E-09	2.78E-09
4663	475363.09, 3860377.25	2.65E-05	8.38E-09	2.44E-09	3.25E-05	1.03E-08	2.99E-09	2.85E-05	9.00E-09	2.62E-09
4664	475863.09, 3860377.25	2.33E-05	7.36E-09	2.14E-09	2.85E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
4665	476363.09, 3860377.25	1.87E-05	5.92E-09	1.72E-09	2.30E-05	7.25E-09	2.11E-09	2.01E-05	6.36E-09	1.85E-09
4666	476863.09, 3860377.25	1.71E-05	5.38E-09	1.57E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
4667	477363.09, 3860377.25	9.92E-06	3.13E-09	9.11E-10	1.22E-05	3.84E-09	1.12E-09	1.07E-05	3.36E-09	9.78E-10
4668	477863.09, 3860377.25	1.30E-05	4.10E-09	1.19E-09	1.59E-05	5.03E-09	1.46E-09	1.40E-05	4.41E-09	1.28E-09

4669	478363.09, 3860377.25	2.54E-05	8.01E-09	2.33E-09	3.11E-05	9.82E-09	2.86E-09	2.73E-05	8.61E-09	2.50E-09
4670	478863.09, 3860377.25	3.64E-05	1.15E-08	3.34E-09	4.46E-05	1.41E-08	4.10E-09	3.91E-05	1.23E-08	3.59E-09
4671	479363.09, 3860377.25	4.67E-05	1.48E-08	4.29E-09	5.72E-05	1.81E-08	5.26E-09	5.02E-05	1.58E-08	4.61E-09
4672	479863.09, 3860377.25	5.39E-05	1.70E-08	4.95E-09	6.60E-05	2.08E-08	6.06E-09	5.79E-05	1.83E-08	5.31E-09
4673	480363.09, 3860377.25	5.87E-05	1.85E-08	5.38E-09	7.18E-05	2.27E-08	6.60E-09	6.30E-05	1.99E-08	5.78E-09
4674	480863.09, 3860377.25	6.31E-05	1.99E-08	5.79E-09	7.72E-05	2.44E-08	7.09E-09	6.77E-05	2.14E-08	6.21E-09
4675	481363.09, 3860377.25	6.78E-05	2.14E-08	6.22E-09	8.30E-05	2.62E-08	7.62E-09	7.27E-05	2.30E-08	6.68E-09
4676	481863.09, 3860377.25	7.23E-05	2.28E-08	6.64E-09	8.85E-05	2.79E-08	8.13E-09	7.76E-05	2.45E-08	7.13E-09
4677	482363.09, 3860377.25	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.59E-09
4678	482863.09, 3860377.25	8.22E-05	2.59E-08	7.54E-09	1.01E-04	3.18E-08	9.24E-09	8.83E-05	2.79E-08	8.10E-09
4679	483363.09, 3860377.25	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.30E-05	2.94E-08	8.54E-09
4680	483863.09, 3860377.25	9.16E-05	2.89E-08	8.41E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.04E-09
4681	484363.09, 3860377.25	9.20E-05	2.90E-08	8.45E-09	1.13E-04	3.56E-08	1.03E-08	9.89E-05	3.12E-08	9.08E-09
4682	484863.09, 3860377.25	9.57E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.44E-09
4683	485363.09, 3860377.25	9.89E-05	3.12E-08	9.08E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
4684	485863.09, 3860377.25	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.94E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
4685	486363.09, 3860377.25	1.03E-04	3.26E-08	9.49E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
4686	486863.09, 3860377.25	1.05E-04	3.30E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
4687	487363.09, 3860377.25	1.05E-04	3.33E-08	9.68E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
4688	487863.09, 3860377.25	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
4689	488363.09, 3860377.25	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
4690	488863.09, 3860377.25	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
4691	489363.09, 3860377.25	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
4692	489863.09, 3860377.25	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
4693	490363.09, 3860377.25	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
4694	490863.09, 3860377.25	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
4695	491363.09, 3860377.25	1.05E-04	3.30E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
4696	491863.09, 3860377.25	1.06E-04	3.33E-08	9.69E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
4697	492363.09, 3860377.25	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.23E-08	1.17E-04	3.69E-08	1.07E-08
4698	492863.09, 3860377.25	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
4699	493363.09, 3860377.25	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
4700	493863.09, 3860377.25	1.09E-04	3.43E-08	9.98E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
4701	494363.09, 3860377.25	1.07E-04	3.37E-08	9.80E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
4702	494863.09, 3860377.25	1.03E-04	3.25E-08	9.45E-09	1.26E-04	3.98E-08	1.16E-08	1.11E-04	3.49E-08	1.01E-08
4703	495363.09, 3860377.25	9.99E-05	3.15E-08	9.17E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.84E-09
4704	495863.09, 3860377.25	9.64E-05	3.04E-08	8.85E-09	1.18E-04	3.73E-08	1.08E-08	1.03E-04	3.27E-08	9.50E-09
4705	496363.09, 3860377.25	9.18E-05	2.90E-08	8.43E-09	1.12E-04	3.55E-08	1.03E-08	9.85E-05	3.11E-08	9.05E-09
4706	496863.09, 3860377.25	8.65E-05	2.73E-08	7.94E-09	1.06E-04	3.34E-08	9.73E-09	9.29E-05	2.93E-08	8.52E-09
4707	497363.09, 3860377.25	7.95E-05	2.51E-08	7.30E-09	9.74E-05	3.07E-08	8.94E-09	8.53E-05	2.69E-08	7.84E-09
4708	497863.09, 3860377.25	8.33E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.94E-05	2.82E-08	8.21E-09
4709	498363.09, 3860377.25	8.17E-05	2.58E-08	7.50E-09	1.00E-04	3.16E-08	9.19E-09	8.77E-05	2.77E-08	8.05E-09
4710	471363.09, 3860877.25	1.99E-05	6.29E-09	1.83E-09	2.44E-05	7.71E-09	2.24E-09	2.14E-05	6.76E-09	1.97E-09
4711	471863.09, 3860877.25	2.11E-05	6.65E-09	1.94E-09	2.58E-05	8.15E-09	2.37E-09	2.26E-05	7.15E-09	2.08E-09
4712	472363.09, 3860877.25	2.23E-05	7.03E-09	2.04E-09	2.73E-05	8.61E-09	2.50E-09	2.39E-05	7.55E-09	2.20E-09
4713	472863.09, 3860877.25	2.35E-05	7.43E-09	2.16E-09	2.88E-05	9.10E-09	2.65E-09	2.53E-05	7.98E-09	2.32E-09
4714	473363.09, 3860877.25	2.48E-05	7.82E-09	2.27E-09	3.03E-05	9.58E-09	2.79E-09	2.66E-05	8.40E-09	2.44E-09
4715	473863.09, 3860877.25	2.59E-05	8.18E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.56E-09
4716	474363.09, 3860877.25	2.71E-05	8.54E-09	2.48E-09	3.31E-05	1.05E-08	3.04E-09	2.91E-05	9.17E-09	2.67E-09
4717	474863.09, 3860877.25	2.83E-05	8.94E-09	2.60E-09	3.47E-05	1.09E-08	3.18E-09	3.04E-05	9.61E-09	2.79E-09
4718	475363.09, 3860877.25	2.91E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.89E-09	2.88E-09
4719	475863.09, 3860877.25	2.93E-05	9.23E-09	2.69E-09	3.58E-05	1.13E-08	3.29E-09	3.14E-05	9.92E-09	2.89E-09
4720	476363.09, 3860877.25	2.81E-05	8.86E-09	2.58E-09	3.44E-05	1.08E-08	3.16E-09	3.01E-05	9.51E-09	2.77E-09
4721	476863.09, 3860877.25	2.78E-05	8.78E-09	2.55E-09	3.41E-05	1.08E-08	3.13E-09	2.99E-05	9.43E-09	2.74E-09
4722	477363.09, 3860877.25	2.90E-05	9.15E-09	2.66E-09	3.55E-05	1.12E-08	3.26E-09	3.11E-05	9.83E-09	2.86E-09
4723	477863.09, 3860877.25	2.61E-05	8.22E-09	2.39E-09	3.19E-05	1.01E-08	2.93E-09	2.80E-05	8.83E-09	2.57E-09
4724	478363.09, 3860877.25	1.58E-05	4.98E-09	1.45E-09	1.93E-05	6.10E-09	1.77E-09	1.70E-05	5.35E-09	1.56E-09
4725	478863.09, 3860877.25	3.36E-05	1.06E-08	3.09E-09	4.12E-05	1.30E-08	3.78E-09	3.61E-05	1.14E-08	3.32E-09
4726	479363.09, 3860877.25	4.37E-05	1.38E-08	4.01E-09	5.35E-05	1.69E-08	4.92E-09	4.69E-05	1.48E-08	4.31E-09
4727	479863.09, 3860877.25	4.95E-05	1.56E-08	4.54E-09	6.06E-05	1.91E-08	5.56E-09	5.31E-05	1.68E-08	4.88E-09
4728	480363.09, 3860877.25	5.33E-05	1.68E-08	4.89E-09	6.53E-05	2.06E-08	5.99E-09	5.72E-05	1.81E-08	5.25E-09
4729	480863.09, 3860877.25	5.70E-05	1.80E-08	5.23E-09	6.98E-05	2.20E-08	6.41E-09	6.12E-05	1.93E-08	5.62E-09
4730	481363.09, 3860877.25	6.05E-05	1.91E-08	5.56E-09	7.42E-05	2.34E-08	6.81E-09	6.50E-05	2.05E-08	5.97E-09
4731	481863.09, 3860877.25	6.40E-05	2.02E-08	5.87E-09	7.84E-05	2.47E-08	7.19E-09	6.87E-05	2.17E-08	6.31E-09
4732	482363.09, 3860877.25	6.75E-05	2.13E-08	6.19E-09	8.26E-05	2.61E-08	7.59E-09	7.25E-05	2.29E-08	6.65E-09

4733	482863.09, 3860877.25	7.16E-05	2.26E-08	6.58E-09	8.77E-05	2.77E-08	8.05E-09	7.70E-05	2.43E-08	7.06E-09
4734	483363.09, 3860877.25	7.54E-05	2.38E-08	6.93E-09	9.24E-05	2.92E-08	8.48E-09	8.11E-05	2.56E-08	7.44E-09
4735	483863.09, 3860877.25	7.89E-05	2.49E-08	7.24E-09	9.66E-05	3.05E-08	8.87E-09	8.48E-05	2.68E-08	7.78E-09
4736	484363.09, 3860877.25	8.06E-05	2.54E-08	7.40E-09	9.87E-05	3.12E-08	9.06E-09	8.66E-05	2.73E-08	7.95E-09
4737	484863.09, 3860877.25	8.04E-05	2.54E-08	7.38E-09	9.85E-05	3.11E-08	9.04E-09	8.64E-05	2.73E-08	7.93E-09
4738	485363.09, 3860877.25	8.25E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.86E-05	2.79E-08	8.13E-09
4739	485863.09, 3860877.25	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
4740	486363.09, 3860877.25	8.49E-05	2.68E-08	7.80E-09	1.04E-04	3.28E-08	9.55E-09	9.12E-05	2.88E-08	8.37E-09
4741	486863.09, 3860877.25	8.51E-05	2.69E-08	7.81E-09	1.04E-04	3.29E-08	9.57E-09	9.14E-05	2.89E-08	8.39E-09
4742	487363.09, 3860877.25	8.47E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.10E-05	2.87E-08	8.35E-09
4743	487863.09, 3860877.25	8.44E-05	2.66E-08	7.74E-09	1.03E-04	3.26E-08	9.48E-09	9.06E-05	2.86E-08	8.32E-09
4744	488363.09, 3860877.25	8.72E-05	2.75E-08	8.01E-09	1.07E-04	3.37E-08	9.80E-09	9.37E-05	2.96E-08	8.60E-09
4745	488863.09, 3860877.25	8.56E-05	2.70E-08	7.85E-09	1.05E-04	3.31E-08	9.62E-09	9.19E-05	2.90E-08	8.44E-09
4746	489363.09, 3860877.25	8.87E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.53E-05	3.01E-08	8.75E-09
4747	489863.09, 3860877.25	8.76E-05	2.77E-08	8.05E-09	1.07E-04	3.39E-08	9.85E-09	9.41E-05	2.97E-08	8.64E-09
4748	490363.09, 3860877.25	8.92E-05	2.81E-08	8.19E-09	1.09E-04	3.45E-08	1.00E-08	9.58E-05	3.02E-08	8.79E-09
4749	490863.09, 3860877.25	8.99E-05	2.84E-08	8.25E-09	1.10E-04	3.48E-08	1.01E-08	9.65E-05	3.05E-08	8.86E-09
4750	491363.09, 3860877.25	8.61E-05	2.72E-08	7.91E-09	1.06E-04	3.33E-08	9.69E-09	9.25E-05	2.92E-08	8.49E-09
4751	491863.09, 3860877.25	8.24E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.85E-05	2.79E-08	8.13E-09
4752	492363.09, 3860877.25	8.01E-05	2.53E-08	7.36E-09	9.81E-05	3.10E-08	9.01E-09	8.60E-05	2.72E-08	7.90E-09
4753	492863.09, 3860877.25	8.17E-05	2.58E-08	7.50E-09	1.00E-04	3.16E-08	9.19E-09	8.77E-05	2.77E-08	8.05E-09
4754	493363.09, 3860877.25	8.48E-05	2.68E-08	7.78E-09	1.04E-04	3.28E-08	9.53E-09	9.10E-05	2.87E-08	8.36E-09
4755	493863.09, 3860877.25	8.55E-05	2.70E-08	7.85E-09	1.05E-04	3.31E-08	9.62E-09	9.18E-05	2.90E-08	8.43E-09
4756	494363.09, 3860877.25	8.57E-05	2.70E-08	7.87E-09	1.05E-04	3.31E-08	9.63E-09	9.20E-05	2.90E-08	8.44E-09
4757	494863.09, 3860877.25	8.54E-05	2.70E-08	7.84E-09	1.05E-04	3.30E-08	9.60E-09	9.17E-05	2.89E-08	8.42E-09
4758	495363.09, 3860877.25	8.42E-05	2.66E-08	7.73E-09	1.03E-04	3.25E-08	9.47E-09	9.04E-05	2.85E-08	8.30E-09
4759	495863.09, 3860877.25	8.19E-05	2.59E-08	7.52E-09	1.00E-04	3.17E-08	9.21E-09	8.79E-05	2.78E-08	8.07E-09
4760	496363.09, 3860877.25	8.05E-05	2.54E-08	7.39E-09	9.86E-05	3.11E-08	9.05E-09	8.64E-05	2.73E-08	7.94E-09
4761	496863.09, 3860877.25	7.85E-05	2.48E-08	7.21E-09	9.62E-05	3.04E-08	8.83E-09	8.43E-05	2.66E-08	7.74E-09
4762	497363.09, 3860877.25	7.62E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.57E-09	8.18E-05	2.58E-08	7.51E-09
4763	497863.09, 3860877.25	7.41E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.33E-09	7.95E-05	2.51E-08	7.30E-09
4764	498363.09, 3860877.25	7.19E-05	2.27E-08	6.61E-09	8.81E-05	2.78E-08	8.09E-09	7.72E-05	2.44E-08	7.09E-09
4765	471363.09, 3861377.25	1.99E-05	6.27E-09	1.82E-09	2.43E-05	7.68E-09	2.23E-09	2.13E-05	6.73E-09	1.96E-09
4766	471863.09, 3861377.25	2.09E-05	6.60E-09	1.92E-09	2.56E-05	8.08E-09	2.35E-09	2.24E-05	7.08E-09	2.06E-09
4767	472363.09, 3861377.25	2.19E-05	6.92E-09	2.01E-09	2.68E-05	8.47E-09	2.46E-09	2.35E-05	7.43E-09	2.16E-09
4768	472863.09, 3861377.25	2.30E-05	7.25E-09	2.11E-09	2.81E-05	8.88E-09	2.58E-09	2.47E-05	7.79E-09	2.26E-09
4769	473363.09, 3861377.25	2.40E-05	7.56E-09	2.20E-09	2.93E-05	9.26E-09	2.69E-09	2.57E-05	8.12E-09	2.36E-09
4770	473863.09, 3861377.25	2.49E-05	7.87E-09	2.29E-09	3.06E-05	9.64E-09	2.81E-09	2.68E-05	8.46E-09	2.46E-09
4771	474363.09, 3861377.25	2.61E-05	8.25E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.81E-05	8.86E-09	2.58E-09
4772	474863.09, 3861377.25	2.73E-05	8.63E-09	2.51E-09	3.35E-05	1.06E-08	3.07E-09	2.94E-05	9.27E-09	2.70E-09
4773	475363.09, 3861377.25	2.87E-05	9.06E-09	2.64E-09	3.52E-05	1.11E-08	3.23E-09	3.08E-05	9.73E-09	2.83E-09
4774	475863.09, 3861377.25	2.99E-05	9.43E-09	2.74E-09	3.66E-05	1.16E-08	3.36E-09	3.21E-05	1.01E-08	2.95E-09
4775	476363.09, 3861377.25	3.08E-05	9.71E-09	2.82E-09	3.77E-05	1.19E-08	3.46E-09	3.30E-05	1.04E-08	3.03E-09
4776	476863.09, 3861377.25	3.16E-05	9.98E-09	2.90E-09	3.87E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
4777	477363.09, 3861377.25	3.25E-05	1.03E-08	2.98E-09	3.98E-05	1.26E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
4778	477863.09, 3861377.25	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
4779	478363.09, 3861377.25	1.94E-05	6.11E-09	1.78E-09	2.37E-05	7.48E-09	2.18E-09	2.08E-05	6.56E-09	1.91E-09
4780	478863.09, 3861377.25	2.44E-05	7.71E-09	2.24E-09	2.99E-05	9.45E-09	2.75E-09	2.62E-05	8.28E-09	2.41E-09
4781	479363.09, 3861377.25	3.96E-05	1.25E-08	3.63E-09	4.85E-05	1.53E-08	4.45E-09	4.25E-05	1.34E-08	3.90E-09
4782	479863.09, 3861377.25	4.52E-05	1.43E-08	4.15E-09	5.53E-05	1.75E-08	5.08E-09	4.85E-05	1.53E-08	4.45E-09
4783	480363.09, 3861377.25	4.87E-05	1.54E-08	4.47E-09	5.96E-05	1.88E-08	5.47E-09	5.23E-05	1.65E-08	4.80E-09
4784	480863.09, 3861377.25	5.14E-05	1.62E-08	4.72E-09	6.29E-05	1.99E-08	5.78E-09	5.52E-05	1.74E-08	5.06E-09
4785	481363.09, 3861377.25	5.40E-05	1.70E-08	4.96E-09	6.62E-05	2.09E-08	6.07E-09	5.80E-05	1.83E-08	5.33E-09
4786	481863.09, 3861377.25	5.68E-05	1.79E-08	5.21E-09	6.95E-05	2.19E-08	6.38E-09	6.10E-05	1.92E-08	5.60E-09
4787	482363.09, 3861377.25	5.99E-05	1.89E-08	5.50E-09	7.33E-05	2.31E-08	6.73E-09	6.43E-05	2.03E-08	5.90E-09
4788	482863.09, 3861377.25	6.30E-05	1.99E-08	5.79E-09	7.72E-05	2.44E-08	7.09E-09	6.77E-05	2.14E-08	6.22E-09
4789	483363.09, 3861377.25	6.58E-05	2.08E-08	6.04E-09	8.05E-05	2.54E-08	7.39E-09	7.07E-05	2.23E-08	6.49E-09
4790	483863.09, 3861377.25	6.81E-05	2.15E-08	6.25E-09	8.33E-05	2.63E-08	7.65E-09	7.31E-05	2.31E-08	6.71E-09
4791	484363.09, 3861377.25	7.05E-05	2.22E-08	6.47E-09	8.63E-05	2.72E-08	7.92E-09	7.57E-05	2.39E-08	6.95E-09
4792	484863.09, 3861377.25	7.02E-05	2.21E-08	6.44E-09	8.59E-05	2.71E-08	7.89E-09	7.54E-05	2.38E-08	6.92E-09
4793	485363.09, 3861377.25	6.98E-05	2.20E-08	6.41E-09	8.55E-05	2.70E-08	7.85E-09	7.50E-05	2.37E-08	6.88E-09
4794	485863.09, 3861377.25	7.09E-05	2.24E-08	6.51E-09	8.68E-05	2.74E-08	7.97E-09	7.61E-05	2.40E-08	6.99E-09
4795	486363.09, 3861377.25	7.13E-05	2.25E-08	6.55E-09	8.74E-05	2.76E-08	8.02E-09	7.66E-05	2.42E-08	7.03E-09
4796	486863.09, 3861377.25	7.12E-05	2.25E-08	6.53E-09	8.72E-05	2.75E-08	8.00E-09	7.65E-05	2.41E-08	7.02E-09

4797	487363.09, 3861377.25	7.02E-05	2.22E-08	6.44E-09	8.60E-05	2.71E-08	7.89E-09	7.54E-05	2.38E-08	6.93E-09
4798	487863.09, 3861377.25	6.97E-05	2.20E-08	6.40E-09	8.54E-05	2.70E-08	7.84E-09	7.49E-05	2.37E-08	6.88E-09
4799	488363.09, 3861377.25	6.93E-05	2.19E-08	6.36E-09	8.48E-05	2.68E-08	7.79E-09	7.44E-05	2.35E-08	6.83E-09
4800	488863.09, 3861377.25	6.94E-05	2.19E-08	6.37E-09	8.49E-05	2.68E-08	7.80E-09	7.45E-05	2.35E-08	6.84E-09
4801	489363.09, 3861377.25	6.99E-05	2.21E-08	6.42E-09	8.56E-05	2.70E-08	7.86E-09	7.51E-05	2.37E-08	6.89E-09
4802	489863.09, 3861377.25	7.11E-05	2.24E-08	6.52E-09	8.70E-05	2.75E-08	7.99E-09	7.63E-05	2.41E-08	7.01E-09
4803	490363.09, 3861377.25	7.15E-05	2.26E-08	6.57E-09	8.76E-05	2.77E-08	8.04E-09	7.68E-05	2.42E-08	7.05E-09
4804	490863.09, 3861377.25	7.22E-05	2.28E-08	6.62E-09	8.84E-05	2.79E-08	8.11E-09	7.75E-05	2.45E-08	7.11E-09
4805	491363.09, 3861377.25	7.29E-05	2.30E-08	6.70E-09	8.93E-05	2.82E-08	8.20E-09	7.83E-05	2.47E-08	7.19E-09
4806	491863.09, 3861377.25	7.07E-05	2.23E-08	6.49E-09	8.66E-05	2.73E-08	7.95E-09	7.60E-05	2.40E-08	6.97E-09
4807	492363.09, 3861377.25	6.74E-05	2.13E-08	6.18E-09	8.25E-05	2.60E-08	7.57E-09	7.23E-05	2.28E-08	6.64E-09
4808	492863.09, 3861377.25	6.55E-05	2.07E-08	6.01E-09	8.02E-05	2.53E-08	7.37E-09	7.03E-05	2.22E-08	6.46E-09
4809	493363.09, 3861377.25	6.57E-05	2.07E-08	6.03E-09	8.05E-05	2.54E-08	7.39E-09	7.06E-05	2.23E-08	6.48E-09
4810	493863.09, 3861377.25	6.66E-05	2.10E-08	6.12E-09	8.16E-05	2.58E-08	7.49E-09	7.15E-05	2.26E-08	6.57E-09
4811	494363.09, 3861377.25	6.78E-05	2.14E-08	6.22E-09	8.30E-05	2.62E-08	7.62E-09	7.27E-05	2.30E-08	6.68E-09
4812	494863.09, 3861377.25	6.87E-05	2.17E-08	6.31E-09	8.41E-05	2.66E-08	7.72E-09	7.38E-05	2.33E-08	6.77E-09
4813	495363.09, 3861377.25	6.89E-05	2.17E-08	6.32E-09	8.43E-05	2.66E-08	7.74E-09	7.39E-05	2.33E-08	6.79E-09
4814	495863.09, 3861377.25	6.80E-05	2.15E-08	6.25E-09	8.33E-05	2.63E-08	7.65E-09	7.30E-05	2.31E-08	6.70E-09
4815	496363.09, 3861377.25	6.79E-05	2.14E-08	6.23E-09	8.31E-05	2.62E-08	7.63E-09	7.29E-05	2.30E-08	6.69E-09
4816	496863.09, 3861377.25	6.79E-05	2.14E-08	6.24E-09	8.32E-05	2.63E-08	7.64E-09	7.29E-05	2.30E-08	6.69E-09
4817	497363.09, 3861377.25	6.64E-05	2.10E-08	6.10E-09	8.14E-05	2.57E-08	7.47E-09	7.13E-05	2.25E-08	6.55E-09
4818	497863.09, 3861377.25	6.48E-05	2.05E-08	5.95E-09	7.94E-05	2.51E-08	7.29E-09	6.96E-05	2.20E-08	6.39E-09
4819	498363.09, 3861377.25	6.33E-05	2.00E-08	5.81E-09	7.76E-05	2.45E-08	7.12E-09	6.80E-05	2.15E-08	6.24E-09
4820	471363.09, 3861877.25	1.96E-05	6.19E-09	1.80E-09	2.40E-05	7.59E-09	2.21E-09	2.11E-05	6.65E-09	1.93E-09
4821	471863.09, 3861877.25	2.04E-05	6.45E-09	1.88E-09	2.50E-05	7.90E-09	2.30E-09	2.20E-05	6.93E-09	2.02E-09
4822	472363.09, 3861877.25	2.13E-05	6.71E-09	1.95E-09	2.60E-05	8.22E-09	2.39E-09	2.28E-05	7.21E-09	2.10E-09
4823	472863.09, 3861877.25	2.21E-05	6.98E-09	2.03E-09	2.71E-05	8.55E-09	2.49E-09	2.38E-05	7.50E-09	2.18E-09
4824	473363.09, 3861877.25	2.30E-05	7.26E-09	2.11E-09	2.82E-05	8.89E-09	2.59E-09	2.47E-05	7.80E-09	2.27E-09
4825	473863.09, 3861877.25	2.40E-05	7.57E-09	2.20E-09	2.94E-05	9.27E-09	2.70E-09	2.58E-05	8.13E-09	2.36E-09
4826	474363.09, 3861877.25	2.50E-05	7.90E-09	2.30E-09	3.07E-05	9.68E-09	2.82E-09	2.69E-05	8.49E-09	2.47E-09
4827	474863.09, 3861877.25	2.62E-05	8.26E-09	2.40E-09	3.21E-05	1.01E-08	2.94E-09	2.81E-05	8.87E-09	2.58E-09
4828	475363.09, 3861877.25	2.73E-05	8.63E-09	2.51E-09	3.35E-05	1.06E-08	3.07E-09	2.94E-05	9.27E-09	2.70E-09
4829	475863.09, 3861877.25	2.86E-05	9.02E-09	2.62E-09	3.50E-05	1.10E-08	3.21E-09	3.07E-05	9.69E-09	2.82E-09
4830	476363.09, 3861877.25	2.98E-05	9.41E-09	2.74E-09	3.65E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.94E-09
4831	476863.09, 3861877.25	3.08E-05	9.72E-09	2.83E-09	3.77E-05	1.19E-08	3.46E-09	3.31E-05	1.04E-08	3.04E-09
4832	477363.09, 3861877.25	3.17E-05	1.00E-08	2.91E-09	3.88E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
4833	477863.09, 3861877.25	2.88E-05	9.09E-09	2.64E-09	3.53E-05	1.11E-08	3.24E-09	3.09E-05	9.76E-09	2.84E-09
4834	478363.09, 3861877.25	1.59E-05	5.02E-09	1.46E-09	1.95E-05	6.15E-09	1.79E-09	1.71E-05	5.39E-09	1.57E-09
4835	478863.09, 3861877.25	2.64E-05	8.34E-09	2.43E-09	3.24E-05	1.02E-08	2.97E-09	2.84E-05	8.95E-09	2.60E-09
4836	479363.09, 3861877.25	2.48E-05	7.81E-09	2.27E-09	3.03E-05	9.57E-09	2.78E-09	2.66E-05	8.39E-09	2.44E-09
4837	479863.09, 3861877.25	4.11E-05	1.30E-08	3.77E-09	5.03E-05	1.59E-08	4.62E-09	4.41E-05	1.39E-08	4.05E-09
4838	480363.09, 3861877.25	4.42E-05	1.39E-08	4.06E-09	5.41E-05	1.71E-08	4.97E-09	4.75E-05	1.50E-08	4.36E-09
4839	480863.09, 3861877.25	4.65E-05	1.47E-08	4.27E-09	5.69E-05	1.80E-08	5.23E-09	4.99E-05	1.58E-08	4.58E-09
4840	481363.09, 3861877.25	4.86E-05	1.54E-08	4.47E-09	5.96E-05	1.88E-08	5.47E-09	5.23E-05	1.65E-08	4.80E-09
4841	481863.09, 3861877.25	5.09E-05	1.61E-08	4.67E-09	6.24E-05	1.97E-08	5.73E-09	5.47E-05	1.73E-08	5.02E-09
4842	482363.09, 3861877.25	5.35E-05	1.69E-08	4.91E-09	6.55E-05	2.07E-08	6.01E-09	5.74E-05	1.81E-08	5.27E-09
4843	482863.09, 3861877.25	5.59E-05	1.77E-08	5.13E-09	6.85E-05	2.16E-08	6.29E-09	6.01E-05	1.90E-08	5.52E-09
4844	483363.09, 3861877.25	5.78E-05	1.82E-08	5.31E-09	7.08E-05	2.24E-08	6.50E-09	6.21E-05	1.96E-08	5.70E-09
4845	483863.09, 3861877.25	5.96E-05	1.88E-08	5.47E-09	7.30E-05	2.30E-08	6.70E-09	6.40E-05	2.02E-08	5.88E-09
4846	484363.09, 3861877.25	6.06E-05	1.91E-08	5.56E-09	7.42E-05	2.34E-08	6.81E-09	6.51E-05	2.05E-08	5.98E-09
4847	484863.09, 3861877.25	6.16E-05	1.94E-08	5.65E-09	7.54E-05	2.38E-08	6.92E-09	6.61E-05	2.09E-08	6.07E-09
4848	485363.09, 3861877.25	6.12E-05	1.93E-08	5.61E-09	7.49E-05	2.36E-08	6.88E-09	6.57E-05	2.07E-08	6.03E-09
4849	485863.09, 3861877.25	6.05E-05	1.91E-08	5.56E-09	7.41E-05	2.34E-08	6.81E-09	6.50E-05	2.05E-08	5.97E-09
4850	486363.09, 3861877.25	6.09E-05	1.92E-08	5.59E-09	7.46E-05	2.35E-08	6.85E-09	6.54E-05	2.06E-08	6.01E-09
4851	486863.09, 3861877.25	6.05E-05	1.91E-08	5.56E-09	7.41E-05	2.34E-08	6.80E-09	6.50E-05	2.05E-08	5.97E-09
4852	487363.09, 3861877.25	5.98E-05	1.89E-08	5.49E-09	7.32E-05	2.31E-08	6.72E-09	6.42E-05	2.03E-08	5.90E-09
4853	487863.09, 3861877.25	5.91E-05	1.87E-08	5.43E-09	7.24E-05	2.28E-08	6.65E-09	6.35E-05	2.00E-08	5.83E-09
4854	488363.09, 3861877.25	5.87E-05	1.85E-08	5.39E-09	7.19E-05	2.27E-08	6.60E-09	6.30E-05	1.99E-08	5.79E-09
4855	488863.09, 3861877.25	5.82E-05	1.84E-08	5.34E-09	7.13E-05	2.25E-08	6.55E-09	6.25E-05	1.97E-08	5.74E-09
4856	489363.09, 3861877.25	5.80E-05	1.83E-08	5.33E-09	7.10E-05	2.24E-08	6.52E-09	6.23E-05	1.97E-08	5.72E-09
4857	489863.09, 3861877.25	5.88E-05	1.86E-08	5.40E-09	7.21E-05	2.27E-08	6.62E-09	6.32E-05	1.99E-08	5.80E-09
4858	490363.09, 3861877.25	5.90E-05	1.86E-08	5.42E-09	7.23E-05	2.28E-08	6.64E-09	6.34E-05	2.00E-08	5.82E-09
4859	490863.09, 3861877.25	5.94E-05	1.87E-08	5.45E-09	7.27E-05	2.30E-08	6.68E-09	6.38E-05	2.01E-08	5.85E-09
4860	491363.09, 3861877.25	6.01E-05	1.90E-08	5.52E-09	7.36E-05	2.32E-08	6.76E-09	6.46E-05	2.04E-08	5.93E-09

4861	491863.09, 3861877.25	6.12E-05	1.93E-08	5.62E-09	7.50E-05	2.37E-08	6.88E-09	6.57E-05	2.08E-08	6.04E-09
4862	492363.09, 3861877.25	5.94E-05	1.88E-08	5.46E-09	7.28E-05	2.30E-08	6.68E-09	6.38E-05	2.01E-08	5.86E-09
4863	492863.09, 3861877.25	5.67E-05	1.79E-08	5.21E-09	6.94E-05	2.19E-08	6.38E-09	6.09E-05	1.92E-08	5.59E-09
4864	493363.09, 3861877.25	5.48E-05	1.73E-08	5.03E-09	6.72E-05	2.12E-08	6.17E-09	5.89E-05	1.86E-08	5.41E-09
4865	493863.09, 3861877.25	5.43E-05	1.71E-08	4.98E-09	6.65E-05	2.10E-08	6.10E-09	5.83E-05	1.84E-08	5.35E-09
4866	494363.09, 3861877.25	5.47E-05	1.73E-08	5.02E-09	6.70E-05	2.11E-08	6.15E-09	5.87E-05	1.85E-08	5.39E-09
4867	494863.09, 3861877.25	5.58E-05	1.76E-08	5.13E-09	6.84E-05	2.16E-08	6.28E-09	5.99E-05	1.89E-08	5.50E-09
4868	495363.09, 3861877.25	5.67E-05	1.79E-08	5.21E-09	6.95E-05	2.19E-08	6.38E-09	6.09E-05	1.92E-08	5.59E-09
4869	495863.09, 3861877.25	5.73E-05	1.81E-08	5.26E-09	7.01E-05	2.21E-08	6.44E-09	6.15E-05	1.94E-08	5.64E-09
4870	496363.09, 3861877.25	5.75E-05	1.82E-08	5.28E-09	7.05E-05	2.22E-08	6.47E-09	6.18E-05	1.95E-08	5.67E-09
4871	496863.09, 3861877.25	6.06E-05	1.91E-08	5.57E-09	7.43E-05	2.34E-08	6.82E-09	6.51E-05	2.05E-08	5.98E-09
4872	497363.09, 3861877.25	5.77E-05	1.82E-08	5.29E-09	7.06E-05	2.23E-08	6.48E-09	6.19E-05	1.95E-08	5.68E-09
4873	497863.09, 3861877.25	5.59E-05	1.76E-08	5.13E-09	6.85E-05	2.16E-08	6.29E-09	6.00E-05	1.89E-08	5.51E-09
4874	498363.09, 3861877.25	5.45E-05	1.72E-08	5.01E-09	6.68E-05	2.11E-08	6.13E-09	5.85E-05	1.85E-08	5.37E-09
4875	471363.09, 3862377.25	1.91E-05	6.01E-09	1.75E-09	2.33E-05	7.36E-09	2.14E-09	2.05E-05	6.46E-09	1.88E-09
4876	471863.09, 3862377.25	1.97E-05	6.23E-09	1.81E-09	2.42E-05	7.63E-09	2.22E-09	2.12E-05	6.69E-09	1.95E-09
4877	472363.09, 3862377.25	2.04E-05	6.45E-09	1.88E-09	2.50E-05	7.90E-09	2.30E-09	2.20E-05	6.93E-09	2.02E-09
4878	472863.09, 3862377.25	2.12E-05	6.69E-09	1.95E-09	2.60E-05	8.20E-09	2.38E-09	2.28E-05	7.19E-09	2.09E-09
4879	473363.09, 3862377.25	2.20E-05	6.95E-09	2.02E-09	2.70E-05	8.51E-09	2.48E-09	2.37E-05	7.47E-09	2.17E-09
4880	473863.09, 3862377.25	2.29E-05	7.23E-09	2.10E-09	2.81E-05	8.86E-09	2.58E-09	2.46E-05	7.77E-09	2.26E-09
4881	474363.09, 3862377.25	2.39E-05	7.53E-09	2.19E-09	2.92E-05	9.23E-09	2.68E-09	2.56E-05	8.09E-09	2.35E-09
4882	474863.09, 3862377.25	2.48E-05	7.83E-09	2.28E-09	3.04E-05	9.59E-09	2.79E-09	2.67E-05	8.41E-09	2.45E-09
4883	475363.09, 3862377.25	2.59E-05	8.17E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.77E-09	2.55E-09
4884	475863.09, 3862377.25	2.69E-05	8.49E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.12E-09	2.65E-09
4885	476363.09, 3862377.25	2.80E-05	8.83E-09	2.57E-09	3.43E-05	1.08E-08	3.14E-09	3.00E-05	9.48E-09	2.76E-09
4886	476863.09, 3862377.25	2.91E-05	9.17E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.86E-09
4887	477363.09, 3862377.25	3.03E-05	9.55E-09	2.78E-09	3.71E-05	1.17E-08	3.40E-09	3.25E-05	1.03E-08	2.98E-09
4888	477863.09, 3862377.25	2.91E-05	9.19E-09	2.67E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.87E-09	2.87E-09
4889	478363.09, 3862377.25	2.61E-05	8.25E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.81E-05	8.85E-09	2.58E-09
4890	478863.09, 3862377.25	2.76E-05	8.71E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.96E-05	9.36E-09	2.72E-09
4891	479363.09, 3862377.25	3.17E-05	1.00E-08	2.91E-09	3.88E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
4892	479863.09, 3862377.25	3.81E-05	1.20E-08	3.50E-09	4.67E-05	1.47E-08	4.29E-09	4.09E-05	1.29E-08	3.76E-09
4893	480363.09, 3862377.25	4.04E-05	1.28E-08	3.71E-09	4.95E-05	1.56E-08	4.55E-09	4.34E-05	1.37E-08	3.99E-09
4894	480863.09, 3862377.25	4.23E-05	1.33E-08	3.88E-09	5.18E-05	1.63E-08	4.75E-09	4.54E-05	1.43E-08	4.17E-09
4895	481363.09, 3862377.25	4.40E-05	1.39E-08	4.04E-09	5.39E-05	1.70E-08	4.95E-09	4.73E-05	1.49E-08	4.34E-09
4896	481863.09, 3862377.25	4.57E-05	1.44E-08	4.20E-09	5.60E-05	1.77E-08	5.14E-09	4.91E-05	1.55E-08	4.51E-09
4897	482363.09, 3862377.25	4.78E-05	1.51E-08	4.39E-09	5.85E-05	1.85E-08	5.37E-09	5.13E-05	1.62E-08	4.71E-09
4898	482863.09, 3862377.25	4.97E-05	1.57E-08	4.56E-09	6.09E-05	1.92E-08	5.59E-09	5.34E-05	1.69E-08	4.90E-09
4899	483363.09, 3862377.25	5.14E-05	1.62E-08	4.72E-09	6.30E-05	1.99E-08	5.78E-09	5.52E-05	1.74E-08	5.07E-09
4900	483863.09, 3862377.25	5.23E-05	1.65E-08	4.80E-09	6.40E-05	2.02E-08	5.88E-09	5.62E-05	1.77E-08	5.16E-09
4901	484363.09, 3862377.25	5.35E-05	1.69E-08	4.91E-09	6.56E-05	2.07E-08	6.02E-09	5.75E-05	1.81E-08	5.28E-09
4902	484863.09, 3862377.25	5.32E-05	1.68E-08	4.88E-09	6.51E-05	2.06E-08	5.98E-09	5.71E-05	1.80E-08	5.25E-09
4903	485363.09, 3862377.25	5.27E-05	1.66E-08	4.84E-09	6.46E-05	2.04E-08	5.93E-09	5.67E-05	1.79E-08	5.20E-09
4904	485863.09, 3862377.25	5.29E-05	1.67E-08	4.86E-09	6.48E-05	2.05E-08	5.95E-09	5.68E-05	1.79E-08	5.22E-09
4905	486363.09, 3862377.25	5.26E-05	1.66E-08	4.83E-09	6.44E-05	2.03E-08	5.91E-09	5.65E-05	1.78E-08	5.19E-09
4906	486863.09, 3862377.25	5.21E-05	1.64E-08	4.78E-09	6.38E-05	2.01E-08	5.86E-09	5.60E-05	1.77E-08	5.14E-09
4907	487363.09, 3862377.25	5.15E-05	1.62E-08	4.73E-09	6.31E-05	1.99E-08	5.79E-09	5.53E-05	1.75E-08	5.08E-09
4908	487863.09, 3862377.25	5.10E-05	1.61E-08	4.69E-09	6.25E-05	1.97E-08	5.74E-09	5.49E-05	1.73E-08	5.04E-09
4909	488363.09, 3862377.25	5.07E-05	1.60E-08	4.65E-09	6.21E-05	1.96E-08	5.70E-09	5.44E-05	1.72E-08	5.00E-09
4910	488863.09, 3862377.25	5.04E-05	1.59E-08	4.63E-09	6.17E-05	1.95E-08	5.67E-09	5.41E-05	1.71E-08	4.97E-09
4911	489363.09, 3862377.25	5.02E-05	1.59E-08	4.61E-09	6.15E-05	1.94E-08	5.65E-09	5.40E-05	1.70E-08	4.95E-09
4912	489863.09, 3862377.25	5.06E-05	1.60E-08	4.64E-09	6.19E-05	1.96E-08	5.69E-09	5.43E-05	1.71E-08	4.99E-09
4913	490363.09, 3862377.25	5.12E-05	1.62E-08	4.70E-09	6.27E-05	1.98E-08	5.76E-09	5.50E-05	1.74E-08	5.05E-09
4914	490863.09, 3862377.25	5.15E-05	1.63E-08	4.73E-09	6.31E-05	1.99E-08	5.79E-09	5.53E-05	1.75E-08	5.08E-09
4915	491363.09, 3862377.25	5.16E-05	1.63E-08	4.73E-09	6.31E-05	1.99E-08	5.80E-09	5.54E-05	1.75E-08	5.08E-09
4916	491863.09, 3862377.25	5.16E-05	1.63E-08	4.74E-09	6.32E-05	2.00E-08	5.80E-09	5.54E-05	1.75E-08	5.09E-09
4917	492363.09, 3862377.25	5.25E-05	1.66E-08	4.82E-09	6.44E-05	2.03E-08	5.91E-09	5.64E-05	1.78E-08	5.18E-09
4918	492863.09, 3862377.25	5.18E-05	1.63E-08	4.76E-09	6.34E-05	2.00E-08	5.82E-09	5.56E-05	1.76E-08	5.11E-09
4919	493363.09, 3862377.25	4.95E-05	1.56E-08	4.55E-09	6.07E-05	1.91E-08	5.57E-09	5.32E-05	1.68E-08	4.88E-09
4920	493863.09, 3862377.25	4.76E-05	1.50E-08	4.37E-09	5.83E-05	1.84E-08	5.35E-09	5.11E-05	1.61E-08	4.69E-09
4921	494363.09, 3862377.25	4.66E-05	1.47E-08	4.28E-09	5.71E-05	1.80E-08	5.24E-09	5.01E-05	1.58E-08	4.60E-09
4922	494863.09, 3862377.25	4.67E-05	1.47E-08	4.29E-09	5.72E-05	1.80E-08	5.25E-09	5.01E-05	1.58E-08	4.60E-09
4923	495363.09, 3862377.25	4.69E-05	1.48E-08	4.31E-09	5.74E-05	1.81E-08	5.27E-09	5.04E-05	1.59E-08	4.62E-09
4924	495863.09, 3862377.25	4.76E-05	1.50E-08	4.37E-09	5.83E-05	1.84E-08	5.36E-09	5.11E-05	1.61E-08	4.69E-09

4925	496363.09, 3862377.25	4.83E-05	1.52E-08	4.43E-09	5.91E-05	1.87E-08	5.43E-09	5.18E-05	1.63E-08	4.76E-09
4926	496863.09, 3862377.25	4.92E-05	1.55E-08	4.52E-09	6.03E-05	1.90E-08	5.53E-09	5.28E-05	1.67E-08	4.85E-09
4927	497363.09, 3862377.25	4.89E-05	1.54E-08	4.49E-09	5.99E-05	1.89E-08	5.50E-09	5.25E-05	1.66E-08	4.82E-09
4928	497863.09, 3862377.25	4.85E-05	1.53E-08	4.45E-09	5.93E-05	1.87E-08	5.45E-09	5.20E-05	1.64E-08	4.77E-09
4929	498363.09, 3862377.25	4.75E-05	1.50E-08	4.36E-09	5.81E-05	1.83E-08	5.34E-09	5.10E-05	1.61E-08	4.68E-09
4930	471363.09, 3862877.25	1.83E-05	5.78E-09	1.68E-09	2.24E-05	7.08E-09	2.06E-09	1.97E-05	6.21E-09	1.81E-09
4931	471863.09, 3862877.25	1.89E-05	5.97E-09	1.74E-09	2.32E-05	7.31E-09	2.13E-09	2.03E-05	6.42E-09	1.87E-09
4932	472363.09, 3862877.25	1.96E-05	6.18E-09	1.80E-09	2.40E-05	7.57E-09	2.20E-09	2.10E-05	6.64E-09	1.93E-09
4933	472863.09, 3862877.25	2.03E-05	6.40E-09	1.86E-09	2.48E-05	7.84E-09	2.28E-09	2.18E-05	6.88E-09	2.00E-09
4934	473363.09, 3862877.25	2.10E-05	6.64E-09	1.93E-09	2.57E-05	8.13E-09	2.36E-09	2.26E-05	7.13E-09	2.07E-09
4935	473863.09, 3862877.25	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.44E-09	2.45E-09	2.34E-05	7.40E-09	2.15E-09
4936	474363.09, 3862877.25	2.26E-05	7.15E-09	2.08E-09	2.77E-05	8.75E-09	2.55E-09	2.43E-05	7.68E-09	2.23E-09
4937	474863.09, 3862877.25	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.09E-09	2.64E-09	2.53E-05	7.97E-09	2.32E-09
4938	475363.09, 3862877.25	2.43E-05	7.68E-09	2.23E-09	2.98E-05	9.40E-09	2.74E-09	2.61E-05	8.25E-09	2.40E-09
4939	475863.09, 3862877.25	2.52E-05	7.95E-09	2.31E-09	3.09E-05	9.74E-09	2.83E-09	2.71E-05	8.54E-09	2.48E-09
4940	476363.09, 3862877.25	2.61E-05	8.24E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.80E-05	8.85E-09	2.57E-09
4941	476863.09, 3862877.25	2.72E-05	8.58E-09	2.50E-09	3.33E-05	1.05E-08	3.06E-09	2.92E-05	9.22E-09	2.68E-09
4942	477363.09, 3862877.25	2.84E-05	8.97E-09	2.61E-09	3.48E-05	1.10E-08	3.19E-09	3.05E-05	9.63E-09	2.80E-09
4943	477863.09, 3862877.25	2.89E-05	9.11E-09	2.65E-09	3.53E-05	1.12E-08	3.24E-09	3.10E-05	9.78E-09	2.85E-09
4944	478363.09, 3862877.25	2.74E-05	8.65E-09	2.52E-09	3.36E-05	1.06E-08	3.08E-09	2.94E-05	9.29E-09	2.70E-09
4945	478863.09, 3862877.25	2.88E-05	9.09E-09	2.64E-09	3.53E-05	1.11E-08	3.24E-09	3.09E-05	9.76E-09	2.84E-09
4946	479363.09, 3862877.25	3.08E-05	9.71E-09	2.82E-09	3.77E-05	1.19E-08	3.46E-09	3.30E-05	1.04E-08	3.03E-09
4947	479863.09, 3862877.25	3.57E-05	1.13E-08	3.27E-09	4.37E-05	1.38E-08	4.01E-09	3.83E-05	1.21E-08	3.52E-09
4948	480363.09, 3862877.25	3.71E-05	1.17E-08	3.41E-09	4.54E-05	1.43E-08	4.17E-09	3.99E-05	1.26E-08	3.66E-09
4949	480863.09, 3862877.25	3.86E-05	1.22E-08	3.54E-09	4.73E-05	1.49E-08	4.34E-09	4.15E-05	1.31E-08	3.81E-09
4950	481363.09, 3862877.25	3.97E-05	1.25E-08	3.65E-09	4.87E-05	1.54E-08	4.47E-09	4.27E-05	1.35E-08	3.92E-09
4951	481863.09, 3862877.25	4.17E-05	1.32E-08	3.83E-09	5.11E-05	1.61E-08	4.69E-09	4.48E-05	1.41E-08	4.11E-09
4952	482363.09, 3862877.25	4.30E-05	1.36E-08	3.95E-09	5.26E-05	1.66E-08	4.83E-09	4.62E-05	1.46E-08	4.24E-09
4953	482863.09, 3862877.25	4.46E-05	1.41E-08	4.09E-09	5.46E-05	1.72E-08	5.01E-09	4.79E-05	1.51E-08	4.40E-09
4954	483363.09, 3862877.25	4.58E-05	1.44E-08	4.20E-09	5.60E-05	1.77E-08	5.15E-09	4.92E-05	1.55E-08	4.51E-09
4955	483863.09, 3862877.25	4.65E-05	1.47E-08	4.27E-09	5.70E-05	1.80E-08	5.23E-09	5.00E-05	1.58E-08	4.59E-09
4956	484363.09, 3862877.25	4.72E-05	1.49E-08	4.33E-09	5.78E-05	1.82E-08	5.30E-09	5.07E-05	1.60E-08	4.65E-09
4957	484863.09, 3862877.25	4.66E-05	1.47E-08	4.28E-09	5.71E-05	1.80E-08	5.24E-09	5.01E-05	1.58E-08	4.60E-09
4958	485363.09, 3862877.25	4.65E-05	1.47E-08	4.27E-09	5.69E-05	1.80E-08	5.23E-09	4.99E-05	1.58E-08	4.58E-09
4959	485863.09, 3862877.25	4.62E-05	1.46E-08	4.25E-09	5.66E-05	1.79E-08	5.20E-09	4.97E-05	1.57E-08	4.56E-09
4960	486363.09, 3862877.25	4.63E-05	1.46E-08	4.25E-09	5.67E-05	1.79E-08	5.20E-09	4.97E-05	1.57E-08	4.56E-09
4961	486863.09, 3862877.25	4.55E-05	1.44E-08	4.18E-09	5.57E-05	1.76E-08	5.11E-09	4.89E-05	1.54E-08	4.49E-09
4962	487363.09, 3862877.25	4.51E-05	1.42E-08	4.14E-09	5.52E-05	1.74E-08	5.07E-09	4.84E-05	1.53E-08	4.45E-09
4963	487863.09, 3862877.25	4.47E-05	1.41E-08	4.10E-09	5.47E-05	1.73E-08	5.02E-09	4.80E-05	1.52E-08	4.41E-09
4964	488363.09, 3862877.25	4.45E-05	1.40E-08	4.09E-09	5.45E-05	1.72E-08	5.00E-09	4.78E-05	1.51E-08	4.39E-09
4965	488863.09, 3862877.25	4.42E-05	1.39E-08	4.06E-09	5.41E-05	1.71E-08	4.97E-09	4.74E-05	1.50E-08	4.36E-09
4966	489363.09, 3862877.25	4.39E-05	1.38E-08	4.03E-09	5.37E-05	1.70E-08	4.93E-09	4.71E-05	1.49E-08	4.32E-09
4967	489863.09, 3862877.25	4.40E-05	1.39E-08	4.04E-09	5.38E-05	1.70E-08	4.94E-09	4.72E-05	1.49E-08	4.34E-09
4968	490363.09, 3862877.25	4.43E-05	1.40E-08	4.07E-09	5.43E-05	1.71E-08	4.98E-09	4.76E-05	1.50E-08	4.37E-09
4969	490863.09, 3862877.25	4.48E-05	1.41E-08	4.11E-09	5.48E-05	1.73E-08	5.03E-09	4.81E-05	1.52E-08	4.41E-09
4970	491363.09, 3862877.25	4.55E-05	1.44E-08	4.17E-09	5.57E-05	1.76E-08	5.11E-09	4.88E-05	1.54E-08	4.48E-09
4971	491863.09, 3862877.25	4.49E-05	1.42E-08	4.12E-09	5.50E-05	1.74E-08	5.05E-09	4.82E-05	1.52E-08	4.43E-09
4972	492363.09, 3862877.25	4.52E-05	1.43E-08	4.15E-09	5.54E-05	1.75E-08	5.08E-09	4.86E-05	1.53E-08	4.46E-09
4973	492863.09, 3862877.25	4.59E-05	1.45E-08	4.22E-09	5.62E-05	1.78E-08	5.16E-09	4.93E-05	1.56E-08	4.53E-09
4974	493363.09, 3862877.25	4.56E-05	1.44E-08	4.19E-09	5.59E-05	1.76E-08	5.13E-09	4.90E-05	1.55E-08	4.50E-09
4975	493863.09, 3862877.25	4.40E-05	1.39E-08	4.04E-09	5.39E-05	1.70E-08	4.95E-09	4.73E-05	1.49E-08	4.34E-09
4976	494363.09, 3862877.25	4.22E-05	1.33E-08	3.87E-09	5.16E-05	1.63E-08	4.74E-09	4.53E-05	1.43E-08	4.16E-09
4977	494863.09, 3862877.25	4.08E-05	1.29E-08	3.75E-09	5.00E-05	1.58E-08	4.59E-09	4.38E-05	1.38E-08	4.02E-09
4978	495363.09, 3862877.25	4.04E-05	1.27E-08	3.71E-09	4.95E-05	1.56E-08	4.54E-09	4.34E-05	1.37E-08	3.98E-09
4979	495863.09, 3862877.25	4.06E-05	1.28E-08	3.72E-09	4.97E-05	1.57E-08	4.56E-09	4.36E-05	1.37E-08	4.00E-09
4980	496363.09, 3862877.25	4.11E-05	1.30E-08	3.77E-09	5.03E-05	1.59E-08	4.62E-09	4.41E-05	1.39E-08	4.05E-09
4981	496863.09, 3862877.25	4.17E-05	1.31E-08	3.82E-09	5.10E-05	1.61E-08	4.68E-09	4.47E-05	1.41E-08	4.11E-09
4982	497363.09, 3862877.25	4.21E-05	1.33E-08	3.86E-09	5.15E-05	1.63E-08	4.73E-09	4.51E-05	1.42E-08	4.14E-09
4983	497863.09, 3862877.25	4.23E-05	1.34E-08	3.89E-09	5.18E-05	1.64E-08	4.76E-09	4.54E-05	1.43E-08	4.17E-09
4984	498363.09, 3862877.25	4.24E-05	1.34E-08	3.90E-09	5.20E-05	1.64E-08	4.77E-09	4.55E-05	1.44E-08	4.18E-09
4985	471363.09, 3863377.25	1.76E-05	5.54E-09	1.61E-09	2.15E-05	6.79E-09	1.97E-09	1.89E-05	5.95E-09	1.73E-09
4986	471863.09, 3863377.25	1.81E-05	5.72E-09	1.66E-09	2.22E-05	7.01E-09	2.04E-09	1.95E-05	6.15E-09	1.79E-09
4987	472363.09, 3863377.25	1.88E-05	5.92E-09	1.72E-09	2.30E-05	7.25E-09	2.11E-09	2.01E-05	6.36E-09	1.85E-09
4988	472863.09, 3863377.25	1.94E-05	6.11E-09	1.78E-09	2.37E-05	7.48E-09	2.18E-09	2.08E-05	6.56E-09	1.91E-09

4989	473363.09, 3863377.25	2.00E-05	6.31E-09	1.84E-09	2.45E-05	7.73E-09	2.25E-09	2.15E-05	6.78E-09	1.97E-09
4990	473863.09, 3863377.25	2.07E-05	6.53E-09	1.90E-09	2.54E-05	8.00E-09	2.33E-09	2.22E-05	7.02E-09	2.04E-09
4991	474363.09, 3863377.25	2.14E-05	6.75E-09	1.96E-09	2.62E-05	8.27E-09	2.41E-09	2.30E-05	7.25E-09	2.11E-09
4992	474863.09, 3863377.25	2.20E-05	6.95E-09	2.02E-09	2.70E-05	8.52E-09	2.48E-09	2.37E-05	7.46E-09	2.17E-09
4993	475363.09, 3863377.25	2.28E-05	7.18E-09	2.09E-09	2.79E-05	8.80E-09	2.56E-09	2.44E-05	7.71E-09	2.24E-09
4994	475863.09, 3863377.25	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.09E-09	2.64E-09	2.52E-05	7.97E-09	2.32E-09
4995	476363.09, 3863377.25	2.43E-05	7.68E-09	2.24E-09	2.98E-05	9.41E-09	2.74E-09	2.61E-05	8.25E-09	2.40E-09
4996	476863.09, 3863377.25	2.53E-05	7.99E-09	2.32E-09	3.10E-05	9.79E-09	2.85E-09	2.72E-05	8.58E-09	2.50E-09
4997	477363.09, 3863377.25	2.65E-05	8.36E-09	2.43E-09	3.24E-05	1.02E-08	2.98E-09	2.84E-05	8.98E-09	2.61E-09
4998	477863.09, 3863377.25	2.76E-05	8.70E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.96E-05	9.34E-09	2.72E-09
4999	478363.09, 3863377.25	2.80E-05	8.84E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.50E-09	2.76E-09
5000	478863.09, 3863377.25	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
5001	479363.09, 3863377.25	3.16E-05	9.99E-09	2.90E-09	3.88E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
5002	479863.09, 3863377.25	3.27E-05	1.03E-08	3.00E-09	4.01E-05	1.26E-08	3.68E-09	3.51E-05	1.11E-08	3.23E-09
5003	480363.09, 3863377.25	3.39E-05	1.07E-08	3.11E-09	4.15E-05	1.31E-08	3.81E-09	3.64E-05	1.15E-08	3.34E-09
5004	480863.09, 3863377.25	3.51E-05	1.11E-08	3.23E-09	4.30E-05	1.36E-08	3.95E-09	3.78E-05	1.19E-08	3.47E-09
5005	481363.09, 3863377.25	3.61E-05	1.14E-08	3.31E-09	4.42E-05	1.40E-08	4.06E-09	3.88E-05	1.22E-08	3.56E-09
5006	481863.09, 3863377.25	3.75E-05	1.18E-08	3.45E-09	4.60E-05	1.45E-08	4.22E-09	4.03E-05	1.27E-08	3.70E-09
5007	482363.09, 3863377.25	3.90E-05	1.23E-08	3.58E-09	4.78E-05	1.51E-08	4.38E-09	4.19E-05	1.32E-08	3.84E-09
5008	482863.09, 3863377.25	4.00E-05	1.26E-08	3.67E-09	4.89E-05	1.54E-08	4.49E-09	4.29E-05	1.35E-08	3.94E-09
5009	483363.09, 3863377.25	4.08E-05	1.29E-08	3.75E-09	5.00E-05	1.58E-08	4.59E-09	4.38E-05	1.38E-08	4.03E-09
5010	483863.09, 3863377.25	4.15E-05	1.31E-08	3.81E-09	5.08E-05	1.60E-08	4.66E-09	4.45E-05	1.41E-08	4.09E-09
5011	484363.09, 3863377.25	4.16E-05	1.31E-08	3.82E-09	5.10E-05	1.61E-08	4.68E-09	4.47E-05	1.41E-08	4.11E-09
5012	484863.09, 3863377.25	4.16E-05	1.31E-08	3.82E-09	5.09E-05	1.61E-08	4.68E-09	4.47E-05	1.41E-08	4.10E-09
5013	485363.09, 3863377.25	4.11E-05	1.30E-08	3.78E-09	5.04E-05	1.59E-08	4.62E-09	4.42E-05	1.39E-08	4.06E-09
5014	485863.09, 3863377.25	4.10E-05	1.29E-08	3.76E-09	5.02E-05	1.58E-08	4.60E-09	4.40E-05	1.39E-08	4.04E-09
5015	486363.09, 3863377.25	4.07E-05	1.29E-08	3.74E-09	4.99E-05	1.57E-08	4.58E-09	4.37E-05	1.38E-08	4.02E-09
5016	486863.09, 3863377.25	4.04E-05	1.28E-08	3.71E-09	4.95E-05	1.56E-08	4.54E-09	4.34E-05	1.37E-08	3.98E-09
5017	487363.09, 3863377.25	4.00E-05	1.26E-08	3.67E-09	4.90E-05	1.55E-08	4.50E-09	4.30E-05	1.36E-08	3.95E-09
5018	487863.09, 3863377.25	3.96E-05	1.25E-08	3.63E-09	4.85E-05	1.53E-08	4.45E-09	4.25E-05	1.34E-08	3.90E-09
5019	488363.09, 3863377.25	3.94E-05	1.24E-08	3.62E-09	4.82E-05	1.52E-08	4.43E-09	4.23E-05	1.34E-08	3.89E-09
5020	488863.09, 3863377.25	3.92E-05	1.24E-08	3.60E-09	4.80E-05	1.51E-08	4.41E-09	4.21E-05	1.33E-08	3.86E-09
5021	489363.09, 3863377.25	3.88E-05	1.22E-08	3.56E-09	4.75E-05	1.50E-08	4.36E-09	4.17E-05	1.31E-08	3.82E-09
5022	489863.09, 3863377.25	3.87E-05	1.22E-08	3.55E-09	4.73E-05	1.49E-08	4.35E-09	4.15E-05	1.31E-08	3.81E-09
5023	490363.09, 3863377.25	3.88E-05	1.23E-08	3.57E-09	4.76E-05	1.50E-08	4.37E-09	4.17E-05	1.32E-08	3.83E-09
5024	490863.09, 3863377.25	3.94E-05	1.24E-08	3.62E-09	4.83E-05	1.52E-08	4.43E-09	4.23E-05	1.34E-08	3.89E-09
5025	491363.09, 3863377.25	3.96E-05	1.25E-08	3.64E-09	4.85E-05	1.53E-08	4.45E-09	4.25E-05	1.34E-08	3.90E-09
5026	491863.09, 3863377.25	3.97E-05	1.25E-08	3.65E-09	4.87E-05	1.54E-08	4.47E-09	4.27E-05	1.35E-08	3.92E-09
5027	492363.09, 3863377.25	4.02E-05	1.27E-08	3.69E-09	4.92E-05	1.55E-08	4.52E-09	4.31E-05	1.36E-08	3.96E-09
5028	492863.09, 3863377.25	4.13E-05	1.30E-08	3.79E-09	5.06E-05	1.60E-08	4.64E-09	4.43E-05	1.40E-08	4.07E-09
5029	493363.09, 3863377.25	4.26E-05	1.34E-08	3.91E-09	5.22E-05	1.65E-08	4.79E-09	4.57E-05	1.44E-08	4.20E-09
5030	493863.09, 3863377.25	4.22E-05	1.33E-08	3.88E-09	5.17E-05	1.63E-08	4.75E-09	4.54E-05	1.43E-08	4.16E-09
5031	494363.09, 3863377.25	4.03E-05	1.27E-08	3.70E-09	4.93E-05	1.56E-08	4.53E-09	4.32E-05	1.36E-08	3.97E-09
5032	494863.09, 3863377.25	3.87E-05	1.22E-08	3.55E-09	4.74E-05	1.50E-08	4.35E-09	4.15E-05	1.31E-08	3.81E-09
5033	495363.09, 3863377.25	3.79E-05	1.20E-08	3.48E-09	4.64E-05	1.46E-08	4.26E-09	4.07E-05	1.28E-08	3.73E-09
5034	495863.09, 3863377.25	3.75E-05	1.19E-08	3.45E-09	4.60E-05	1.45E-08	4.22E-09	4.03E-05	1.27E-08	3.70E-09
5035	496363.09, 3863377.25	3.62E-05	1.14E-08	3.32E-09	4.43E-05	1.40E-08	4.07E-09	3.89E-05	1.23E-08	3.57E-09
5036	496863.09, 3863377.25	3.57E-05	1.13E-08	3.28E-09	4.37E-05	1.38E-08	4.01E-09	3.83E-05	1.21E-08	3.52E-09
5037	497363.09, 3863377.25	3.61E-05	1.14E-08	3.32E-09	4.43E-05	1.40E-08	4.06E-09	3.88E-05	1.22E-08	3.56E-09
5038	497863.09, 3863377.25	3.68E-05	1.16E-08	3.38E-09	4.50E-05	1.42E-08	4.13E-09	3.95E-05	1.25E-08	3.62E-09
5039	498363.09, 3863377.25	3.72E-05	1.17E-08	3.42E-09	4.56E-05	1.44E-08	4.18E-09	3.99E-05	1.26E-08	3.67E-09
5040	471363.09, 3863877.25	1.68E-05	5.31E-09	1.54E-09	2.06E-05	6.50E-09	1.89E-09	1.81E-05	5.70E-09	1.66E-09
5041	471863.09, 3863877.25	1.74E-05	5.49E-09	1.60E-09	2.13E-05	6.72E-09	1.96E-09	1.87E-05	5.90E-09	1.71E-09
5042	472363.09, 3863877.25	1.79E-05	5.65E-09	1.64E-09	2.19E-05	6.92E-09	2.01E-09	1.92E-05	6.07E-09	1.77E-09
5043	472863.09, 3863877.25	1.84E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.25E-09	1.82E-09
5044	473363.09, 3863877.25	1.90E-05	5.98E-09	1.74E-09	2.32E-05	7.33E-09	2.13E-09	2.04E-05	6.42E-09	1.87E-09
5045	473863.09, 3863877.25	1.95E-05	6.17E-09	1.79E-09	2.39E-05	7.56E-09	2.20E-09	2.10E-05	6.62E-09	1.93E-09
5046	474363.09, 3863877.25	2.01E-05	6.34E-09	1.84E-09	2.46E-05	7.76E-09	2.26E-09	2.16E-05	6.80E-09	1.98E-09
5047	474863.09, 3863877.25	2.06E-05	6.50E-09	1.89E-09	2.52E-05	7.96E-09	2.32E-09	2.21E-05	6.98E-09	2.03E-09
5048	475363.09, 3863877.25	2.12E-05	6.71E-09	1.95E-09	2.60E-05	8.21E-09	2.39E-09	2.28E-05	7.20E-09	2.10E-09
5049	475863.09, 3863877.25	2.19E-05	6.91E-09	2.01E-09	2.68E-05	8.47E-09	2.46E-09	2.35E-05	7.43E-09	2.16E-09
5050	476363.09, 3863877.25	2.28E-05	7.19E-09	2.09E-09	2.79E-05	8.80E-09	2.56E-09	2.45E-05	7.72E-09	2.25E-09
5051	476863.09, 3863877.25	2.37E-05	7.48E-09	2.17E-09	2.90E-05	9.16E-09	2.66E-09	2.55E-05	8.03E-09	2.34E-09
5052	477363.09, 3863877.25	2.47E-05	7.81E-09	2.27E-09	3.03E-05	9.57E-09	2.78E-09	2.66E-05	8.39E-09	2.44E-09

5053	477863.09, 3863877.25	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.80E-09	2.56E-09
5054	478363.09, 3863877.25	2.70E-05	8.52E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.15E-09	2.66E-09
5055	478863.09, 3863877.25	2.83E-05	8.92E-09	2.59E-09	3.46E-05	1.09E-08	3.18E-09	3.04E-05	9.58E-09	2.79E-09
5056	479363.09, 3863877.25	2.92E-05	9.22E-09	2.68E-09	3.58E-05	1.13E-08	3.28E-09	3.14E-05	9.90E-09	2.88E-09
5057	479863.09, 3863877.25	3.02E-05	9.53E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.24E-05	1.02E-08	2.98E-09
5058	480363.09, 3863877.25	3.11E-05	9.83E-09	2.86E-09	3.81E-05	1.20E-08	3.50E-09	3.35E-05	1.06E-08	3.07E-09
5059	480863.09, 3863877.25	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.18E-09
5060	481363.09, 3863877.25	3.32E-05	1.05E-08	3.05E-09	4.06E-05	1.28E-08	3.73E-09	3.57E-05	1.13E-08	3.27E-09
5061	481863.09, 3863877.25	3.43E-05	1.08E-08	3.15E-09	4.20E-05	1.33E-08	3.86E-09	3.69E-05	1.16E-08	3.38E-09
5062	482363.09, 3863877.25	3.54E-05	1.12E-08	3.25E-09	4.34E-05	1.37E-08	3.98E-09	3.81E-05	1.20E-08	3.49E-09
5063	482863.09, 3863877.25	3.61E-05	1.14E-08	3.31E-09	4.42E-05	1.40E-08	4.06E-09	3.88E-05	1.22E-08	3.56E-09
5064	483363.09, 3863877.25	3.67E-05	1.16E-08	3.37E-09	4.49E-05	1.42E-08	4.12E-09	3.94E-05	1.24E-08	3.62E-09
5065	483863.09, 3863877.25	3.72E-05	1.17E-08	3.42E-09	4.56E-05	1.44E-08	4.18E-09	4.00E-05	1.26E-08	3.67E-09
5066	484363.09, 3863877.25	3.72E-05	1.17E-08	3.42E-09	4.56E-05	1.44E-08	4.18E-09	4.00E-05	1.26E-08	3.67E-09
5067	484863.09, 3863877.25	3.71E-05	1.17E-08	3.40E-09	4.54E-05	1.43E-08	4.17E-09	3.99E-05	1.26E-08	3.66E-09
5068	485363.09, 3863877.25	3.69E-05	1.16E-08	3.38E-09	4.52E-05	1.43E-08	4.15E-09	3.96E-05	1.25E-08	3.64E-09
5069	485863.09, 3863877.25	3.67E-05	1.16E-08	3.37E-09	4.50E-05	1.42E-08	4.13E-09	3.95E-05	1.25E-08	3.62E-09
5070	486363.09, 3863877.25	3.62E-05	1.14E-08	3.33E-09	4.44E-05	1.40E-08	4.07E-09	3.89E-05	1.23E-08	3.57E-09
5071	486863.09, 3863877.25	3.60E-05	1.14E-08	3.30E-09	4.41E-05	1.39E-08	4.05E-09	3.86E-05	1.22E-08	3.55E-09
5072	487363.09, 3863877.25	3.57E-05	1.13E-08	3.28E-09	4.37E-05	1.38E-08	4.01E-09	3.84E-05	1.21E-08	3.52E-09
5073	487863.09, 3863877.25	3.54E-05	1.12E-08	3.25E-09	4.33E-05	1.37E-08	3.98E-09	3.80E-05	1.20E-08	3.49E-09
5074	488363.09, 3863877.25	3.53E-05	1.11E-08	3.24E-09	4.32E-05	1.36E-08	3.97E-09	3.79E-05	1.20E-08	3.48E-09
5075	488863.09, 3863877.25	3.51E-05	1.11E-08	3.22E-09	4.30E-05	1.36E-08	3.95E-09	3.77E-05	1.19E-08	3.46E-09
5076	489363.09, 3863877.25	3.47E-05	1.10E-08	3.19E-09	4.25E-05	1.34E-08	3.91E-09	3.73E-05	1.18E-08	3.42E-09
5077	489863.09, 3863877.25	3.45E-05	1.09E-08	3.17E-09	4.23E-05	1.33E-08	3.88E-09	3.71E-05	1.17E-08	3.40E-09
5078	490363.09, 3863877.25	3.45E-05	1.09E-08	3.17E-09	4.23E-05	1.33E-08	3.88E-09	3.71E-05	1.17E-08	3.40E-09
5079	490863.09, 3863877.25	3.48E-05	1.10E-08	3.20E-09	4.27E-05	1.35E-08	3.92E-09	3.74E-05	1.18E-08	3.43E-09
5080	491363.09, 3863877.25	3.52E-05	1.11E-08	3.23E-09	4.31E-05	1.36E-08	3.96E-09	3.78E-05	1.19E-08	3.47E-09
5081	491863.09, 3863877.25	3.65E-05	1.15E-08	3.35E-09	4.46E-05	1.41E-08	4.10E-09	3.92E-05	1.24E-08	3.59E-09
5082	492363.09, 3863877.25	3.74E-05	1.18E-08	3.43E-09	4.58E-05	1.45E-08	4.21E-09	4.02E-05	1.27E-08	3.69E-09
5083	492863.09, 3863877.25	3.75E-05	1.18E-08	3.44E-09	4.59E-05	1.45E-08	4.21E-09	4.02E-05	1.27E-08	3.69E-09
5084	493363.09, 3863877.25	3.75E-05	1.18E-08	3.44E-09	4.60E-05	1.45E-08	4.22E-09	4.03E-05	1.27E-08	3.70E-09
5085	493863.09, 3863877.25	3.84E-05	1.21E-08	3.53E-09	4.71E-05	1.49E-08	4.32E-09	4.13E-05	1.30E-08	3.79E-09
5086	494363.09, 3863877.25	3.82E-05	1.20E-08	3.50E-09	4.67E-05	1.48E-08	4.29E-09	4.10E-05	1.29E-08	3.76E-09
5087	494863.09, 3863877.25	3.67E-05	1.16E-08	3.37E-09	4.50E-05	1.42E-08	4.13E-09	3.94E-05	1.25E-08	3.62E-09
5088	495363.09, 3863877.25	3.52E-05	1.11E-08	3.23E-09	4.31E-05	1.36E-08	3.95E-09	3.77E-05	1.19E-08	3.47E-09
5089	495863.09, 3863877.25	3.41E-05	1.08E-08	3.13E-09	4.18E-05	1.32E-08	3.83E-09	3.66E-05	1.16E-08	3.36E-09
5090	496363.09, 3863877.25	3.31E-05	1.05E-08	3.04E-09	4.06E-05	1.28E-08	3.72E-09	3.56E-05	1.12E-08	3.27E-09
5091	496863.09, 3863877.25	3.25E-05	1.02E-08	2.98E-09	3.98E-05	1.25E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
5092	497363.09, 3863877.25	3.22E-05	1.01E-08	2.95E-09	3.94E-05	1.24E-08	3.61E-09	3.45E-05	1.09E-08	3.17E-09
5093	497863.09, 3863877.25	3.23E-05	1.02E-08	2.96E-09	3.95E-05	1.25E-08	3.63E-09	3.47E-05	1.09E-08	3.18E-09
5094	498363.09, 3863877.25	3.25E-05	1.03E-08	2.98E-09	3.98E-05	1.26E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
5095	471363.09, 3864377.25	1.61E-05	5.09E-09	1.48E-09	1.98E-05	6.23E-09	1.81E-09	1.73E-05	5.47E-09	1.59E-09
5096	471863.09, 3864377.25	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.41E-09	1.86E-09	1.78E-05	5.62E-09	1.64E-09
5097	472363.09, 3864377.25	1.70E-05	5.38E-09	1.56E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
5098	472863.09, 3864377.25	1.75E-05	5.52E-09	1.61E-09	2.14E-05	6.76E-09	1.97E-09	1.88E-05	5.93E-09	1.72E-09
5099	473363.09, 3864377.25	1.79E-05	5.66E-09	1.64E-09	2.19E-05	6.93E-09	2.01E-09	1.92E-05	6.07E-09	1.77E-09
5100	473863.09, 3864377.25	1.83E-05	5.79E-09	1.68E-09	2.25E-05	7.09E-09	2.06E-09	1.97E-05	6.21E-09	1.81E-09
5101	474363.09, 3864377.25	1.88E-05	5.94E-09	1.73E-09	2.30E-05	7.27E-09	2.12E-09	2.02E-05	6.38E-09	1.85E-09
5102	474863.09, 3864377.25	1.93E-05	6.09E-09	1.77E-09	2.36E-05	7.45E-09	2.17E-09	2.07E-05	6.54E-09	1.90E-09
5103	475363.09, 3864377.25	1.99E-05	6.28E-09	1.83E-09	2.44E-05	7.70E-09	2.24E-09	2.14E-05	6.75E-09	1.96E-09
5104	475863.09, 3864377.25	2.06E-05	6.51E-09	1.89E-09	2.52E-05	7.97E-09	2.32E-09	2.21E-05	6.99E-09	2.03E-09
5105	476363.09, 3864377.25	2.15E-05	6.78E-09	1.97E-09	2.63E-05	8.30E-09	2.41E-09	2.31E-05	7.28E-09	2.12E-09
5106	476863.09, 3864377.25	2.24E-05	7.06E-09	2.05E-09	2.74E-05	8.65E-09	2.52E-09	2.40E-05	7.59E-09	2.21E-09
5107	477363.09, 3864377.25	2.32E-05	7.32E-09	2.13E-09	2.84E-05	8.97E-09	2.61E-09	2.49E-05	7.87E-09	2.29E-09
5108	477863.09, 3864377.25	2.41E-05	7.61E-09	2.21E-09	2.95E-05	9.32E-09	2.71E-09	2.59E-05	8.17E-09	2.38E-09
5109	478363.09, 3864377.25	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.69E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
5110	478863.09, 3864377.25	2.61E-05	8.22E-09	2.39E-09	3.19E-05	1.01E-08	2.93E-09	2.80E-05	8.83E-09	2.57E-09
5111	479363.09, 3864377.25	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.66E-09
5112	479863.09, 3864377.25	2.79E-05	8.82E-09	2.57E-09	3.42E-05	1.08E-08	3.14E-09	3.00E-05	9.48E-09	2.76E-09
5113	480363.09, 3864377.25	2.89E-05	9.13E-09	2.65E-09	3.54E-05	1.12E-08	3.25E-09	3.11E-05	9.81E-09	2.85E-09
5114	480863.09, 3864377.25	2.96E-05	9.34E-09	2.72E-09	3.62E-05	1.14E-08	3.33E-09	3.18E-05	1.00E-08	2.92E-09
5115	481363.09, 3864377.25	3.04E-05	9.60E-09	2.79E-09	3.73E-05	1.18E-08	3.42E-09	3.27E-05	1.03E-08	3.00E-09
5116	481863.09, 3864377.25	3.14E-05	9.91E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.37E-05	1.06E-08	3.10E-09

5117	482363.09, 3864377.25	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
5118	482863.09, 3864377.25	3.27E-05	1.03E-08	3.01E-09	4.01E-05	1.27E-08	3.68E-09	3.52E-05	1.11E-08	3.23E-09
5119	483363.09, 3864377.25	3.31E-05	1.05E-08	3.04E-09	4.06E-05	1.28E-08	3.73E-09	3.56E-05	1.12E-08	3.27E-09
5120	483863.09, 3864377.25	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.29E-09
5121	484363.09, 3864377.25	3.35E-05	1.06E-08	3.07E-09	4.10E-05	1.29E-08	3.76E-09	3.60E-05	1.13E-08	3.30E-09
5122	484863.09, 3864377.25	3.33E-05	1.05E-08	3.05E-09	4.07E-05	1.29E-08	3.74E-09	3.57E-05	1.13E-08	3.28E-09
5123	485363.09, 3864377.25	3.31E-05	1.04E-08	3.04E-09	4.05E-05	1.28E-08	3.72E-09	3.56E-05	1.12E-08	3.26E-09
5124	485863.09, 3864377.25	3.28E-05	1.04E-08	3.02E-09	4.02E-05	1.27E-08	3.69E-09	3.53E-05	1.11E-08	3.24E-09
5125	486363.09, 3864377.25	3.25E-05	1.03E-08	2.99E-09	3.98E-05	1.26E-08	3.66E-09	3.49E-05	1.10E-08	3.21E-09
5126	486863.09, 3864377.25	3.24E-05	1.02E-08	2.97E-09	3.96E-05	1.25E-08	3.64E-09	3.48E-05	1.10E-08	3.19E-09
5127	487363.09, 3864377.25	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
5128	487863.09, 3864377.25	3.19E-05	1.01E-08	2.93E-09	3.91E-05	1.23E-08	3.59E-09	3.43E-05	1.08E-08	3.15E-09
5129	488363.09, 3864377.25	3.18E-05	1.00E-08	2.92E-09	3.89E-05	1.23E-08	3.57E-09	3.42E-05	1.08E-08	3.14E-09
5130	488863.09, 3864377.25	3.17E-05	1.00E-08	2.91E-09	3.89E-05	1.23E-08	3.57E-09	3.41E-05	1.08E-08	3.13E-09
5131	489363.09, 3864377.25	3.14E-05	9.92E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.37E-05	1.06E-08	3.10E-09
5132	489863.09, 3864377.25	3.12E-05	9.84E-09	2.86E-09	3.82E-05	1.21E-08	3.51E-09	3.35E-05	1.06E-08	3.07E-09
5133	490363.09, 3864377.25	3.11E-05	9.81E-09	2.85E-09	3.81E-05	1.20E-08	3.50E-09	3.34E-05	1.05E-08	3.07E-09
5134	490863.09, 3864377.25	3.14E-05	9.92E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.38E-05	1.07E-08	3.10E-09
5135	491363.09, 3864377.25	3.30E-05	1.04E-08	3.03E-09	4.04E-05	1.28E-08	3.71E-09	3.54E-05	1.12E-08	3.25E-09
5136	491863.09, 3864377.25	2.38E-05	7.52E-09	2.19E-09	2.92E-05	9.22E-09	2.68E-09	2.56E-05	8.08E-09	2.35E-09
5137	492363.09, 3864377.25	3.27E-05	1.03E-08	3.00E-09	4.00E-05	1.26E-08	3.67E-09	3.51E-05	1.11E-08	3.22E-09
5138	492863.09, 3864377.25	2.79E-05	8.79E-09	2.56E-09	3.41E-05	1.08E-08	3.13E-09	2.99E-05	9.44E-09	2.75E-09
5139	493363.09, 3864377.25	3.15E-05	9.93E-09	2.89E-09	3.85E-05	1.22E-08	3.54E-09	3.38E-05	1.07E-08	3.10E-09
5140	493863.09, 3864377.25	3.33E-05	1.05E-08	3.05E-09	4.07E-05	1.29E-08	3.74E-09	3.57E-05	1.13E-08	3.28E-09
5141	494363.09, 3864377.25	3.46E-05	1.09E-08	3.17E-09	4.23E-05	1.34E-08	3.89E-09	3.71E-05	1.17E-08	3.41E-09
5142	494863.09, 3864377.25	3.44E-05	1.09E-08	3.16E-09	4.22E-05	1.33E-08	3.87E-09	3.70E-05	1.17E-08	3.39E-09
5143	495363.09, 3864377.25	3.33E-05	1.05E-08	3.05E-09	4.07E-05	1.29E-08	3.74E-09	3.57E-05	1.13E-08	3.28E-09
5144	495863.09, 3864377.25	3.19E-05	1.01E-08	2.92E-09	3.90E-05	1.23E-08	3.58E-09	3.42E-05	1.08E-08	3.14E-09
5145	496363.09, 3864377.25	3.07E-05	9.69E-09	2.82E-09	3.76E-05	1.19E-08	3.45E-09	3.30E-05	1.04E-08	3.03E-09
5146	496863.09, 3864377.25	3.00E-05	9.47E-09	2.75E-09	3.68E-05	1.16E-08	3.37E-09	3.22E-05	1.02E-08	2.96E-09
5147	497363.09, 3864377.25	2.94E-05	9.29E-09	2.70E-09	3.61E-05	1.14E-08	3.31E-09	3.16E-05	9.98E-09	2.90E-09
5148	497863.09, 3864377.25	2.95E-05	9.31E-09	2.71E-09	3.61E-05	1.14E-08	3.32E-09	3.17E-05	9.99E-09	2.91E-09
5149	498363.09, 3864377.25	2.91E-05	9.18E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.87E-09
5150	471363.09, 3864877.25	1.54E-05	4.85E-09	1.41E-09	1.88E-05	5.94E-09	1.73E-09	1.65E-05	5.21E-09	1.51E-09
5151	471863.09, 3864877.25	1.58E-05	4.97E-09	1.45E-09	1.93E-05	6.09E-09	1.77E-09	1.69E-05	5.34E-09	1.55E-09
5152	472363.09, 3864877.25	1.61E-05	5.10E-09	1.48E-09	1.98E-05	6.24E-09	1.82E-09	1.73E-05	5.47E-09	1.59E-09
5153	472863.09, 3864877.25	1.65E-05	5.21E-09	1.52E-09	2.02E-05	6.38E-09	1.86E-09	1.77E-05	5.59E-09	1.63E-09
5154	473363.09, 3864877.25	1.68E-05	5.31E-09	1.55E-09	2.06E-05	6.51E-09	1.89E-09	1.81E-05	5.71E-09	1.66E-09
5155	473863.09, 3864877.25	1.72E-05	5.43E-09	1.58E-09	2.11E-05	6.65E-09	1.93E-09	1.85E-05	5.83E-09	1.70E-09
5156	474363.09, 3864877.25	1.76E-05	5.57E-09	1.62E-09	2.16E-05	6.82E-09	1.98E-09	1.90E-05	5.98E-09	1.74E-09
5157	474863.09, 3864877.25	1.82E-05	5.73E-09	1.67E-09	2.22E-05	7.02E-09	2.04E-09	1.95E-05	6.16E-09	1.79E-09
5158	475363.09, 3864877.25	1.88E-05	5.93E-09	1.72E-09	2.30E-05	7.26E-09	2.11E-09	2.02E-05	6.37E-09	1.85E-09
5159	475863.09, 3864877.25	1.95E-05	6.14E-09	1.79E-09	2.38E-05	7.53E-09	2.19E-09	2.09E-05	6.60E-09	1.92E-09
5160	476363.09, 3864877.25	2.02E-05	6.39E-09	1.86E-09	2.48E-05	7.83E-09	2.28E-09	2.17E-05	6.86E-09	2.00E-09
5161	476863.09, 3864877.25	2.11E-05	6.66E-09	1.94E-09	2.59E-05	8.16E-09	2.37E-09	2.27E-05	7.16E-09	2.08E-09
5162	477363.09, 3864877.25	2.18E-05	6.88E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
5163	477863.09, 3864877.25	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.74E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
5164	478363.09, 3864877.25	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.05E-09	2.63E-09	2.52E-05	7.94E-09	2.31E-09
5165	478863.09, 3864877.25	2.42E-05	7.65E-09	2.23E-09	2.97E-05	9.37E-09	2.73E-09	2.60E-05	8.22E-09	2.39E-09
5166	479363.09, 3864877.25	2.51E-05	7.92E-09	2.30E-09	3.07E-05	9.70E-09	2.82E-09	2.70E-05	8.51E-09	2.47E-09
5167	479863.09, 3864877.25	2.59E-05	8.18E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.79E-09	2.56E-09
5168	480363.09, 3864877.25	2.67E-05	8.44E-09	2.45E-09	3.27E-05	1.03E-08	3.01E-09	2.87E-05	9.06E-09	2.64E-09
5169	480863.09, 3864877.25	2.73E-05	8.62E-09	2.51E-09	3.35E-05	1.06E-08	3.07E-09	2.93E-05	9.26E-09	2.69E-09
5170	481363.09, 3864877.25	2.80E-05	8.85E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.50E-09	2.76E-09
5171	481863.09, 3864877.25	2.87E-05	9.06E-09	2.63E-09	3.51E-05	1.11E-08	3.23E-09	3.08E-05	9.73E-09	2.83E-09
5172	482363.09, 3864877.25	2.93E-05	9.26E-09	2.69E-09	3.59E-05	1.13E-08	3.30E-09	3.15E-05	9.95E-09	2.89E-09
5173	482863.09, 3864877.25	2.98E-05	9.41E-09	2.74E-09	3.65E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.94E-09
5174	483363.09, 3864877.25	3.01E-05	9.51E-09	2.77E-09	3.69E-05	1.17E-08	3.39E-09	3.24E-05	1.02E-08	2.97E-09
5175	483863.09, 3864877.25	3.02E-05	9.53E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.24E-05	1.02E-08	2.98E-09
5176	484363.09, 3864877.25	3.03E-05	9.55E-09	2.78E-09	3.71E-05	1.17E-08	3.40E-09	3.25E-05	1.03E-08	2.99E-09
5177	484863.09, 3864877.25	3.02E-05	9.53E-09	2.77E-09	3.70E-05	1.17E-08	3.39E-09	3.24E-05	1.02E-08	2.98E-09
5178	485363.09, 3864877.25	3.01E-05	9.49E-09	2.76E-09	3.68E-05	1.16E-08	3.38E-09	3.23E-05	1.02E-08	2.97E-09
5179	485863.09, 3864877.25	2.97E-05	9.37E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
5180	486363.09, 3864877.25	2.94E-05	9.28E-09	2.70E-09	3.60E-05	1.14E-08	3.30E-09	3.16E-05	9.97E-09	2.90E-09

5181	486863.09, 3864877.25	2.93E-05	9.24E-09	2.69E-09	3.58E-05	1.13E-08	3.29E-09	3.14E-05	9.92E-09	2.89E-09
5182	487363.09, 3864877.25	2.91E-05	9.17E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.87E-09
5183	487863.09, 3864877.25	2.89E-05	9.12E-09	2.65E-09	3.54E-05	1.12E-08	3.25E-09	3.11E-05	9.80E-09	2.85E-09
5184	488363.09, 3864877.25	2.89E-05	9.13E-09	2.66E-09	3.54E-05	1.12E-08	3.25E-09	3.11E-05	9.81E-09	2.85E-09
5185	488863.09, 3864877.25	2.89E-05	9.12E-09	2.65E-09	3.54E-05	1.12E-08	3.25E-09	3.10E-05	9.79E-09	2.85E-09
5186	489363.09, 3864877.25	2.87E-05	9.05E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.08E-05	9.72E-09	2.83E-09
5187	489863.09, 3864877.25	2.83E-05	8.94E-09	2.60E-09	3.47E-05	1.10E-08	3.19E-09	3.04E-05	9.61E-09	2.79E-09
5188	490363.09, 3864877.25	2.82E-05	8.92E-09	2.59E-09	3.46E-05	1.09E-08	3.18E-09	3.03E-05	9.58E-09	2.79E-09
5189	490863.09, 3864877.25	2.97E-05	9.37E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
5190	491363.09, 3864877.25	2.98E-05	9.39E-09	2.73E-09	3.64E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.93E-09
5191	491863.09, 3864877.25	3.04E-05	9.58E-09	2.79E-09	3.72E-05	1.17E-08	3.41E-09	3.26E-05	1.03E-08	2.99E-09
5192	492363.09, 3864877.25	1.48E-05	4.67E-09	1.36E-09	1.81E-05	5.72E-09	1.66E-09	1.59E-05	5.02E-09	1.46E-09
5193	492863.09, 3864877.25	2.03E-05	6.39E-09	1.86E-09	2.48E-05	7.83E-09	2.28E-09	2.18E-05	6.87E-09	2.00E-09
5194	493363.09, 3864877.25	1.93E-05	6.09E-09	1.77E-09	2.36E-05	7.45E-09	2.17E-09	2.07E-05	6.54E-09	1.90E-09
5195	493863.09, 3864877.25	2.88E-05	9.08E-09	2.64E-09	3.53E-05	1.11E-08	3.24E-09	3.09E-05	9.75E-09	2.84E-09
5196	494363.09, 3864877.25	3.02E-05	9.54E-09	2.78E-09	3.70E-05	1.17E-08	3.40E-09	3.25E-05	1.02E-08	2.98E-09
5197	494863.09, 3864877.25	3.12E-05	9.85E-09	2.86E-09	3.82E-05	1.21E-08	3.51E-09	3.35E-05	1.06E-08	3.08E-09
5198	495363.09, 3864877.25	3.12E-05	9.84E-09	2.86E-09	3.82E-05	1.21E-08	3.51E-09	3.35E-05	1.06E-08	3.07E-09
5199	495863.09, 3864877.25	3.01E-05	9.50E-09	2.76E-09	3.69E-05	1.16E-08	3.39E-09	3.23E-05	1.02E-08	2.97E-09
5200	496363.09, 3864877.25	2.91E-05	9.17E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.86E-09
5201	496863.09, 3864877.25	2.80E-05	8.85E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.50E-09	2.76E-09
5202	497363.09, 3864877.25	2.73E-05	8.61E-09	2.50E-09	3.34E-05	1.05E-08	3.07E-09	2.93E-05	9.24E-09	2.69E-09
5203	497863.09, 3864877.25	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.65E-09
5204	498363.09, 3864877.25	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.85E-05	9.01E-09	2.62E-09
5205	471363.09, 3865377.25	1.46E-05	4.60E-09	1.34E-09	1.79E-05	5.64E-09	1.64E-09	1.57E-05	4.94E-09	1.44E-09
5206	471863.09, 3865377.25	1.49E-05	4.71E-09	1.37E-09	1.83E-05	5.77E-09	1.68E-09	1.60E-05	5.05E-09	1.47E-09
5207	472363.09, 3865377.25	1.52E-05	4.81E-09	1.40E-09	1.87E-05	5.89E-09	1.71E-09	1.64E-05	5.16E-09	1.50E-09
5208	472863.09, 3865377.25	1.56E-05	4.91E-09	1.43E-09	1.91E-05	6.02E-09	1.75E-09	1.67E-05	5.28E-09	1.53E-09
5209	473363.09, 3865377.25	1.58E-05	5.00E-09	1.45E-09	1.94E-05	6.13E-09	1.78E-09	1.70E-05	5.37E-09	1.56E-09
5210	473863.09, 3865377.25	1.62E-05	5.12E-09	1.49E-09	1.99E-05	6.27E-09	1.82E-09	1.74E-05	5.50E-09	1.60E-09
5211	474363.09, 3865377.25	1.67E-05	5.26E-09	1.53E-09	2.04E-05	6.44E-09	1.87E-09	1.79E-05	5.65E-09	1.64E-09
5212	474863.09, 3865377.25	1.72E-05	5.44E-09	1.58E-09	2.11E-05	6.66E-09	1.94E-09	1.85E-05	5.84E-09	1.70E-09
5213	475363.09, 3865377.25	1.78E-05	5.62E-09	1.63E-09	2.18E-05	6.88E-09	2.00E-09	1.91E-05	6.04E-09	1.76E-09
5214	475863.09, 3865377.25	1.85E-05	5.83E-09	1.70E-09	2.26E-05	7.15E-09	2.08E-09	1.99E-05	6.27E-09	1.82E-09
5215	476363.09, 3865377.25	1.94E-05	6.13E-09	1.78E-09	2.38E-05	7.51E-09	2.18E-09	2.09E-05	6.59E-09	1.92E-09
5216	476863.09, 3865377.25	2.01E-05	6.35E-09	1.85E-09	2.47E-05	7.78E-09	2.26E-09	2.16E-05	6.82E-09	1.98E-09
5217	477363.09, 3865377.25	2.08E-05	6.56E-09	1.91E-09	2.54E-05	8.03E-09	2.34E-09	2.23E-05	7.04E-09	2.05E-09
5218	477863.09, 3865377.25	2.13E-05	6.72E-09	1.96E-09	2.61E-05	8.23E-09	2.40E-09	2.29E-05	7.22E-09	2.10E-09
5219	478363.09, 3865377.25	2.21E-05	6.96E-09	2.03E-09	2.70E-05	8.53E-09	2.48E-09	2.37E-05	7.48E-09	2.18E-09
5220	478863.09, 3865377.25	2.27E-05	7.18E-09	2.09E-09	2.78E-05	8.79E-09	2.56E-09	2.44E-05	7.71E-09	2.24E-09
5221	479363.09, 3865377.25	2.35E-05	7.40E-09	2.15E-09	2.87E-05	9.07E-09	2.64E-09	2.52E-05	7.95E-09	2.31E-09
5222	479863.09, 3865377.25	2.42E-05	7.64E-09	2.22E-09	2.97E-05	9.36E-09	2.72E-09	2.60E-05	8.21E-09	2.39E-09
5223	480363.09, 3865377.25	2.47E-05	7.80E-09	2.27E-09	3.03E-05	9.55E-09	2.78E-09	2.65E-05	8.38E-09	2.44E-09
5224	480863.09, 3865377.25	2.52E-05	7.95E-09	2.31E-09	3.09E-05	9.74E-09	2.83E-09	2.71E-05	8.54E-09	2.49E-09
5225	481363.09, 3865377.25	2.58E-05	8.15E-09	2.37E-09	3.16E-05	9.98E-09	2.90E-09	2.77E-05	8.76E-09	2.55E-09
5226	481863.09, 3865377.25	2.64E-05	8.34E-09	2.42E-09	3.23E-05	1.02E-08	2.97E-09	2.84E-05	8.95E-09	2.60E-09
5227	482363.09, 3865377.25	2.69E-05	8.49E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.12E-09	2.65E-09
5228	482863.09, 3865377.25	2.72E-05	8.60E-09	2.50E-09	3.34E-05	1.05E-08	3.06E-09	2.93E-05	9.24E-09	2.69E-09
5229	483363.09, 3865377.25	2.74E-05	8.66E-09	2.52E-09	3.36E-05	1.06E-08	3.09E-09	2.95E-05	9.31E-09	2.71E-09
5230	483863.09, 3865377.25	2.75E-05	8.68E-09	2.53E-09	3.37E-05	1.06E-08	3.09E-09	2.96E-05	9.33E-09	2.71E-09
5231	484363.09, 3865377.25	2.76E-05	8.72E-09	2.54E-09	3.38E-05	1.07E-08	3.10E-09	2.97E-05	9.37E-09	2.72E-09
5232	484863.09, 3865377.25	2.76E-05	8.72E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.97E-05	9.36E-09	2.72E-09
5233	485363.09, 3865377.25	2.74E-05	8.65E-09	2.52E-09	3.36E-05	1.06E-08	3.08E-09	2.94E-05	9.29E-09	2.70E-09
5234	485863.09, 3865377.25	2.70E-05	8.53E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.16E-09	2.67E-09
5235	486363.09, 3865377.25	2.68E-05	8.47E-09	2.46E-09	3.29E-05	1.04E-08	3.02E-09	2.88E-05	9.10E-09	2.65E-09
5236	486863.09, 3865377.25	2.67E-05	8.42E-09	2.45E-09	3.27E-05	1.03E-08	3.00E-09	2.87E-05	9.05E-09	2.63E-09
5237	487363.09, 3865377.25	2.65E-05	8.36E-09	2.43E-09	3.24E-05	1.02E-08	2.98E-09	2.85E-05	8.98E-09	2.61E-09
5238	487863.09, 3865377.25	2.64E-05	8.32E-09	2.42E-09	3.23E-05	1.02E-08	2.97E-09	2.83E-05	8.95E-09	2.60E-09
5239	488363.09, 3865377.25	2.65E-05	8.35E-09	2.43E-09	3.24E-05	1.02E-08	2.98E-09	2.84E-05	8.98E-09	2.61E-09
5240	488863.09, 3865377.25	2.65E-05	8.36E-09	2.43E-09	3.24E-05	1.02E-08	2.98E-09	2.85E-05	8.98E-09	2.61E-09
5241	489363.09, 3865377.25	2.64E-05	8.33E-09	2.42E-09	3.23E-05	1.02E-08	2.97E-09	2.84E-05	8.95E-09	2.60E-09
5242	489863.09, 3865377.25	2.63E-05	8.30E-09	2.42E-09	3.22E-05	1.02E-08	2.96E-09	2.83E-05	8.92E-09	2.59E-09
5243	490363.09, 3865377.25	2.70E-05	8.52E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.15E-09	2.66E-09
5244	490863.09, 3865377.25	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.65E-09

5245	491363.09, 3865377.25	2.70E-05	8.53E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.16E-09	2.66E-09
5246	491863.09, 3865377.25	2.74E-05	8.64E-09	2.51E-09	3.35E-05	1.06E-08	3.08E-09	2.94E-05	9.28E-09	2.70E-09
5247	492363.09, 3865377.25	2.55E-05	8.05E-09	2.34E-09	3.12E-05	9.86E-09	2.87E-09	2.74E-05	8.64E-09	2.51E-09
5248	492863.09, 3865377.25	2.17E-05	6.83E-09	1.99E-09	2.65E-05	8.37E-09	2.43E-09	2.33E-05	7.34E-09	2.13E-09
5249	493363.09, 3865377.25	1.80E-05	5.68E-09	1.65E-09	2.20E-05	6.96E-09	2.02E-09	1.93E-05	6.10E-09	1.77E-09
5250	493863.09, 3865377.25	2.43E-05	7.67E-09	2.23E-09	2.98E-05	9.40E-09	2.73E-09	2.61E-05	8.24E-09	2.40E-09
5251	494363.09, 3865377.25	2.64E-05	8.32E-09	2.42E-09	3.23E-05	1.02E-08	2.96E-09	2.83E-05	8.94E-09	2.60E-09
5252	494863.09, 3865377.25	2.74E-05	8.65E-09	2.52E-09	3.36E-05	1.06E-08	3.08E-09	2.94E-05	9.29E-09	2.70E-09
5253	495363.09, 3865377.25	2.84E-05	8.96E-09	2.61E-09	3.48E-05	1.10E-08	3.19E-09	3.05E-05	9.62E-09	2.80E-09
5254	495863.09, 3865377.25	2.84E-05	8.95E-09	2.60E-09	3.47E-05	1.10E-08	3.19E-09	3.05E-05	9.61E-09	2.80E-09
5255	496363.09, 3865377.25	2.78E-05	8.77E-09	2.55E-09	3.41E-05	1.07E-08	3.13E-09	2.99E-05	9.42E-09	2.74E-09
5256	496863.09, 3865377.25	2.67E-05	8.43E-09	2.45E-09	3.27E-05	1.03E-08	3.00E-09	2.87E-05	9.05E-09	2.63E-09
5257	497363.09, 3865377.25	2.57E-05	8.11E-09	2.36E-09	3.15E-05	9.94E-09	2.89E-09	2.76E-05	8.71E-09	2.53E-09
5258	497863.09, 3865377.25	2.50E-05	7.89E-09	2.30E-09	3.06E-05	9.67E-09	2.81E-09	2.69E-05	8.48E-09	2.47E-09
5259	498363.09, 3865377.25	2.48E-05	7.81E-09	2.27E-09	3.03E-05	9.57E-09	2.78E-09	2.66E-05	8.39E-09	2.44E-09
5260	471363.09, 3865877.25	1.38E-05	4.37E-09	1.27E-09	1.69E-05	5.35E-09	1.56E-09	1.49E-05	4.69E-09	1.36E-09
5261	471863.09, 3865877.25	1.41E-05	4.45E-09	1.29E-09	1.73E-05	5.45E-09	1.59E-09	1.51E-05	4.78E-09	1.39E-09
5262	472363.09, 3865877.25	1.44E-05	4.56E-09	1.33E-09	1.77E-05	5.58E-09	1.62E-09	1.55E-05	4.90E-09	1.42E-09
5263	472863.09, 3865877.25	1.47E-05	4.62E-09	1.34E-09	1.79E-05	5.66E-09	1.65E-09	1.57E-05	4.97E-09	1.45E-09
5264	473363.09, 3865877.25	1.50E-05	4.72E-09	1.37E-09	1.83E-05	5.79E-09	1.68E-09	1.61E-05	5.08E-09	1.48E-09
5265	473863.09, 3865877.25	1.54E-05	4.86E-09	1.41E-09	1.88E-05	5.95E-09	1.73E-09	1.65E-05	5.22E-09	1.52E-09
5266	474363.09, 3865877.25	1.59E-05	5.00E-09	1.46E-09	1.94E-05	6.13E-09	1.78E-09	1.70E-05	5.38E-09	1.56E-09
5267	474863.09, 3865877.25	1.64E-05	5.19E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.77E-05	5.57E-09	1.62E-09
5268	475363.09, 3865877.25	1.70E-05	5.36E-09	1.56E-09	2.08E-05	6.57E-09	1.91E-09	1.83E-05	5.76E-09	1.68E-09
5269	475863.09, 3865877.25	1.76E-05	5.55E-09	1.62E-09	2.16E-05	6.80E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09
5270	476363.09, 3865877.25	1.85E-05	5.84E-09	1.70E-09	2.27E-05	7.16E-09	2.08E-09	1.99E-05	6.28E-09	1.83E-09
5271	476863.09, 3865877.25	1.91E-05	6.03E-09	1.75E-09	2.34E-05	7.38E-09	2.15E-09	2.05E-05	6.48E-09	1.88E-09
5272	477363.09, 3865877.25	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.66E-09	2.23E-09	2.13E-05	6.72E-09	1.95E-09
5273	477863.09, 3865877.25	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.82E-09	2.27E-09	2.17E-05	6.86E-09	1.99E-09
5274	478363.09, 3865877.25	2.08E-05	6.57E-09	1.91E-09	2.55E-05	8.05E-09	2.34E-09	2.24E-05	7.06E-09	2.05E-09
5275	478863.09, 3865877.25	2.15E-05	6.77E-09	1.97E-09	2.63E-05	8.30E-09	2.41E-09	2.31E-05	7.28E-09	2.12E-09
5276	479363.09, 3865877.25	2.21E-05	6.97E-09	2.03E-09	2.70E-05	8.53E-09	2.48E-09	2.37E-05	7.48E-09	2.18E-09
5277	479863.09, 3865877.25	2.26E-05	7.12E-09	2.07E-09	2.76E-05	8.72E-09	2.54E-09	2.42E-05	7.65E-09	2.22E-09
5278	480363.09, 3865877.25	2.30E-05	7.25E-09	2.11E-09	2.81E-05	8.88E-09	2.58E-09	2.47E-05	7.79E-09	2.27E-09
5279	480863.09, 3865877.25	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.06E-09	2.63E-09	2.52E-05	7.94E-09	2.31E-09
5280	481363.09, 3865877.25	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.24E-09	2.69E-09	2.57E-05	8.11E-09	2.36E-09
5281	481863.09, 3865877.25	2.44E-05	7.71E-09	2.24E-09	2.99E-05	9.44E-09	2.75E-09	2.62E-05	8.28E-09	2.41E-09
5282	482363.09, 3865877.25	2.48E-05	7.82E-09	2.27E-09	3.03E-05	9.57E-09	2.78E-09	2.66E-05	8.40E-09	2.44E-09
5283	482863.09, 3865877.25	2.50E-05	7.89E-09	2.29E-09	3.06E-05	9.66E-09	2.81E-09	2.68E-05	8.47E-09	2.46E-09
5284	483363.09, 3865877.25	2.52E-05	7.94E-09	2.31E-09	3.08E-05	9.73E-09	2.83E-09	2.70E-05	8.53E-09	2.48E-09
5285	483863.09, 3865877.25	2.53E-05	7.98E-09	2.32E-09	3.10E-05	9.78E-09	2.84E-09	2.72E-05	8.58E-09	2.50E-09
5286	484363.09, 3865877.25	2.55E-05	8.03E-09	2.34E-09	3.12E-05	9.84E-09	2.86E-09	2.74E-05	8.63E-09	2.51E-09
5287	484863.09, 3865877.25	2.54E-05	8.00E-09	2.33E-09	3.10E-05	9.80E-09	2.85E-09	2.72E-05	8.60E-09	2.50E-09
5288	485363.09, 3865877.25	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.68E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
5289	485863.09, 3865877.25	2.47E-05	7.81E-09	2.27E-09	3.03E-05	9.56E-09	2.78E-09	2.66E-05	8.39E-09	2.44E-09
5290	486363.09, 3865877.25	2.45E-05	7.75E-09	2.25E-09	3.01E-05	9.49E-09	2.76E-09	2.64E-05	8.32E-09	2.42E-09
5291	486863.09, 3865877.25	2.44E-05	7.71E-09	2.24E-09	2.99E-05	9.44E-09	2.75E-09	2.62E-05	8.28E-09	2.41E-09
5292	487363.09, 3865877.25	2.42E-05	7.65E-09	2.23E-09	2.97E-05	9.37E-09	2.73E-09	2.60E-05	8.22E-09	2.39E-09
5293	487863.09, 3865877.25	2.43E-05	7.67E-09	2.23E-09	2.98E-05	9.39E-09	2.73E-09	2.61E-05	8.24E-09	2.40E-09
5294	488363.09, 3865877.25	2.43E-05	7.68E-09	2.23E-09	2.98E-05	9.41E-09	2.74E-09	2.62E-05	8.25E-09	2.40E-09
5295	488863.09, 3865877.25	2.45E-05	7.73E-09	2.25E-09	3.00E-05	9.46E-09	2.75E-09	2.63E-05	8.30E-09	2.41E-09
5296	489363.09, 3865877.25	2.45E-05	7.74E-09	2.25E-09	3.00E-05	9.48E-09	2.76E-09	2.63E-05	8.32E-09	2.42E-09
5297	489863.09, 3865877.25	2.44E-05	7.70E-09	2.24E-09	2.99E-05	9.43E-09	2.74E-09	2.62E-05	8.27E-09	2.41E-09
5298	490363.09, 3865877.25	2.45E-05	7.74E-09	2.25E-09	3.01E-05	9.48E-09	2.76E-09	2.64E-05	8.32E-09	2.42E-09
5299	490863.09, 3865877.25	2.46E-05	7.78E-09	2.26E-09	3.02E-05	9.52E-09	2.77E-09	2.65E-05	8.35E-09	2.43E-09
5300	491363.09, 3865877.25	2.45E-05	7.73E-09	2.25E-09	3.00E-05	9.47E-09	2.76E-09	2.63E-05	8.31E-09	2.42E-09
5301	491863.09, 3865877.25	2.47E-05	7.80E-09	2.27E-09	3.03E-05	9.56E-09	2.78E-09	2.66E-05	8.38E-09	2.44E-09
5302	492363.09, 3865877.25	2.45E-05	7.75E-09	2.25E-09	3.01E-05	9.49E-09	2.76E-09	2.64E-05	8.32E-09	2.42E-09
5303	492863.09, 3865877.25	2.07E-05	6.52E-09	1.90E-09	2.53E-05	7.99E-09	2.32E-09	2.22E-05	7.01E-09	2.04E-09
5304	493363.09, 3865877.25	2.10E-05	6.63E-09	1.93E-09	2.57E-05	8.12E-09	2.36E-09	2.25E-05	7.12E-09	2.07E-09
5305	493863.09, 3865877.25	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.05E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
5306	494363.09, 3865877.25	2.45E-05	7.72E-09	2.24E-09	3.00E-05	9.45E-09	2.75E-09	2.63E-05	8.29E-09	2.41E-09
5307	494863.09, 3865877.25	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.62E-09	2.80E-09	2.67E-05	8.43E-09	2.45E-09
5308	495363.09, 3865877.25	2.52E-05	7.94E-09	2.31E-09	3.08E-05	9.73E-09	2.83E-09	2.70E-05	8.53E-09	2.48E-09

5309	495863.09, 3865877.25	2.60E-05	8.20E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.80E-09	2.56E-09
5310	496363.09, 3865877.25	2.63E-05	8.29E-09	2.41E-09	3.22E-05	1.02E-08	2.95E-09	2.82E-05	8.90E-09	2.59E-09
5311	496863.09, 3865877.25	2.58E-05	8.15E-09	2.37E-09	3.16E-05	9.98E-09	2.90E-09	2.77E-05	8.75E-09	2.55E-09
5312	497363.09, 3865877.25	2.46E-05	7.78E-09	2.26E-09	3.02E-05	9.53E-09	2.77E-09	2.65E-05	8.35E-09	2.43E-09
5313	497863.09, 3865877.25	2.37E-05	7.48E-09	2.18E-09	2.90E-05	9.16E-09	2.66E-09	2.54E-05	8.03E-09	2.34E-09
5314	498363.09, 3865877.25	2.30E-05	7.26E-09	2.11E-09	2.82E-05	8.89E-09	2.59E-09	2.47E-05	7.79E-09	2.27E-09
5315	471363.09, 3866377.25	1.31E-05	4.13E-09	1.20E-09	1.60E-05	5.06E-09	1.47E-09	1.41E-05	4.44E-09	1.29E-09
5316	471863.09, 3866377.25	1.34E-05	4.22E-09	1.23E-09	1.64E-05	5.17E-09	1.50E-09	1.44E-05	4.54E-09	1.32E-09
5317	472363.09, 3866377.25	1.37E-05	4.31E-09	1.25E-09	1.67E-05	5.28E-09	1.54E-09	1.47E-05	4.63E-09	1.35E-09
5318	472863.09, 3866377.25	1.39E-05	4.38E-09	1.28E-09	1.70E-05	5.37E-09	1.56E-09	1.49E-05	4.71E-09	1.37E-09
5319	473363.09, 3866377.25	1.43E-05	4.50E-09	1.31E-09	1.75E-05	5.52E-09	1.60E-09	1.53E-05	4.84E-09	1.41E-09
5320	473863.09, 3866377.25	1.47E-05	4.63E-09	1.35E-09	1.80E-05	5.67E-09	1.65E-09	1.58E-05	4.97E-09	1.45E-09
5321	474363.09, 3866377.25	1.51E-05	4.78E-09	1.39E-09	1.85E-05	5.85E-09	1.70E-09	1.63E-05	5.13E-09	1.49E-09
5322	474863.09, 3866377.25	1.57E-05	4.95E-09	1.44E-09	1.92E-05	6.06E-09	1.76E-09	1.68E-05	5.32E-09	1.55E-09
5323	475363.09, 3866377.25	1.62E-05	5.10E-09	1.48E-09	1.98E-05	6.25E-09	1.82E-09	1.74E-05	5.48E-09	1.59E-09
5324	475863.09, 3866377.25	1.67E-05	5.26E-09	1.53E-09	2.04E-05	6.44E-09	1.87E-09	1.79E-05	5.65E-09	1.64E-09
5325	476363.09, 3866377.25	1.76E-05	5.55E-09	1.61E-09	2.15E-05	6.80E-09	1.98E-09	1.89E-05	5.96E-09	1.73E-09
5326	476863.09, 3866377.25	1.81E-05	5.70E-09	1.66E-09	2.21E-05	6.98E-09	2.03E-09	1.94E-05	6.13E-09	1.78E-09
5327	477363.09, 3866377.25	1.90E-05	5.99E-09	1.74E-09	2.33E-05	7.34E-09	2.13E-09	2.04E-05	6.44E-09	1.87E-09
5328	477863.09, 3866377.25	1.93E-05	6.10E-09	1.77E-09	2.37E-05	7.47E-09	2.17E-09	2.08E-05	6.55E-09	1.91E-09
5329	478363.09, 3866377.25	1.97E-05	6.22E-09	1.81E-09	2.41E-05	7.61E-09	2.21E-09	2.12E-05	6.68E-09	1.94E-09
5330	478863.09, 3866377.25	2.03E-05	6.40E-09	1.86E-09	2.48E-05	7.84E-09	2.28E-09	2.18E-05	6.87E-09	2.00E-09
5331	479363.09, 3866377.25	2.08E-05	6.56E-09	1.91E-09	2.55E-05	8.04E-09	2.34E-09	2.23E-05	7.05E-09	2.05E-09
5332	479863.09, 3866377.25	2.13E-05	6.71E-09	1.95E-09	2.60E-05	8.22E-09	2.39E-09	2.28E-05	7.21E-09	2.10E-09
5333	480363.09, 3866377.25	2.16E-05	6.82E-09	1.99E-09	2.65E-05	8.36E-09	2.43E-09	2.32E-05	7.33E-09	2.13E-09
5334	480863.09, 3866377.25	2.20E-05	6.93E-09	2.02E-09	2.69E-05	8.49E-09	2.47E-09	2.36E-05	7.45E-09	2.17E-09
5335	481363.09, 3866377.25	2.24E-05	7.08E-09	2.06E-09	2.75E-05	8.67E-09	2.52E-09	2.41E-05	7.60E-09	2.21E-09
5336	481863.09, 3866377.25	2.27E-05	7.17E-09	2.09E-09	2.78E-05	8.78E-09	2.55E-09	2.44E-05	7.70E-09	2.24E-09
5337	482363.09, 3866377.25	2.29E-05	7.23E-09	2.10E-09	2.81E-05	8.86E-09	2.58E-09	2.46E-05	7.77E-09	2.26E-09
5338	482863.09, 3866377.25	2.31E-05	7.29E-09	2.12E-09	2.83E-05	8.93E-09	2.60E-09	2.48E-05	7.83E-09	2.28E-09
5339	483363.09, 3866377.25	2.32E-05	7.33E-09	2.13E-09	2.84E-05	8.98E-09	2.61E-09	2.50E-05	7.88E-09	2.29E-09
5340	483863.09, 3866377.25	2.34E-05	7.38E-09	2.15E-09	2.86E-05	9.04E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
5341	484363.09, 3866377.25	2.34E-05	7.40E-09	2.15E-09	2.87E-05	9.06E-09	2.64E-09	2.52E-05	7.95E-09	2.31E-09
5342	484863.09, 3866377.25	2.34E-05	7.40E-09	2.15E-09	2.87E-05	9.06E-09	2.63E-09	2.52E-05	7.95E-09	2.31E-09
5343	485363.09, 3866377.25	2.31E-05	7.28E-09	2.12E-09	2.82E-05	8.91E-09	2.59E-09	2.48E-05	7.82E-09	2.27E-09
5344	485863.09, 3866377.25	2.27E-05	7.17E-09	2.09E-09	2.78E-05	8.79E-09	2.56E-09	2.44E-05	7.71E-09	2.24E-09
5345	486363.09, 3866377.25	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.74E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
5346	486863.09, 3866377.25	2.25E-05	7.10E-09	2.07E-09	2.76E-05	8.70E-09	2.53E-09	2.42E-05	7.63E-09	2.22E-09
5347	487363.09, 3866377.25	2.29E-05	7.22E-09	2.10E-09	2.80E-05	8.84E-09	2.57E-09	2.46E-05	7.75E-09	2.26E-09
5348	487863.09, 3866377.25	2.32E-05	7.31E-09	2.13E-09	2.84E-05	8.95E-09	2.60E-09	2.49E-05	7.85E-09	2.28E-09
5349	488363.09, 3866377.25	2.32E-05	7.31E-09	2.13E-09	2.84E-05	8.95E-09	2.60E-09	2.49E-05	7.86E-09	2.28E-09
5350	488863.09, 3866377.25	2.34E-05	7.38E-09	2.15E-09	2.86E-05	9.04E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
5351	489363.09, 3866377.25	2.33E-05	7.37E-09	2.14E-09	2.86E-05	9.02E-09	2.62E-09	2.51E-05	7.91E-09	2.30E-09
5352	489863.09, 3866377.25	2.31E-05	7.30E-09	2.12E-09	2.83E-05	8.94E-09	2.60E-09	2.48E-05	7.84E-09	2.28E-09
5353	490363.09, 3866377.25	2.27E-05	7.16E-09	2.08E-09	2.78E-05	8.77E-09	2.55E-09	2.44E-05	7.69E-09	2.24E-09
5354	490863.09, 3866377.25	2.24E-05	7.07E-09	2.06E-09	2.74E-05	8.66E-09	2.52E-09	2.41E-05	7.60E-09	2.21E-09
5355	491363.09, 3866377.25	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.73E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
5356	491863.09, 3866377.25	2.23E-05	7.04E-09	2.05E-09	2.73E-05	8.62E-09	2.51E-09	2.39E-05	7.56E-09	2.20E-09
5357	492363.09, 3866377.25	2.26E-05	7.15E-09	2.08E-09	2.77E-05	8.76E-09	2.55E-09	2.43E-05	7.68E-09	2.23E-09
5358	492863.09, 3866377.25	2.14E-05	6.74E-09	1.96E-09	2.62E-05	8.25E-09	2.40E-09	2.29E-05	7.24E-09	2.10E-09
5359	493363.09, 3866377.25	2.15E-05	6.80E-09	1.98E-09	2.64E-05	8.33E-09	2.42E-09	2.31E-05	7.30E-09	2.12E-09
5360	493863.09, 3866377.25	2.26E-05	7.12E-09	2.07E-09	2.76E-05	8.72E-09	2.54E-09	2.42E-05	7.65E-09	2.22E-09
5361	494363.09, 3866377.25	2.33E-05	7.35E-09	2.14E-09	2.85E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
5362	494863.09, 3866377.25	2.29E-05	7.24E-09	2.11E-09	2.81E-05	8.87E-09	2.58E-09	2.46E-05	7.78E-09	2.26E-09
5363	495363.09, 3866377.25	2.22E-05	7.01E-09	2.04E-09	2.72E-05	8.59E-09	2.50E-09	2.39E-05	7.53E-09	2.19E-09
5364	495863.09, 3866377.25	2.26E-05	7.14E-09	2.08E-09	2.77E-05	8.75E-09	2.55E-09	2.43E-05	7.67E-09	2.23E-09
5365	496363.09, 3866377.25	2.40E-05	7.57E-09	2.20E-09	2.94E-05	9.27E-09	2.70E-09	2.57E-05	8.12E-09	2.36E-09
5366	496863.09, 3866377.25	2.42E-05	7.64E-09	2.22E-09	2.96E-05	9.36E-09	2.72E-09	2.60E-05	8.20E-09	2.39E-09
5367	497363.09, 3866377.25	2.38E-05	7.51E-09	2.18E-09	2.91E-05	9.20E-09	2.67E-09	2.55E-05	8.06E-09	2.34E-09
5368	497863.09, 3866377.25	2.28E-05	7.21E-09	2.10E-09	2.80E-05	8.83E-09	2.57E-09	2.45E-05	7.74E-09	2.25E-09
5369	498363.09, 3866377.25	2.08E-05	6.57E-09	1.91E-09	2.55E-05	8.04E-09	2.34E-09	2.23E-05	7.05E-09	2.05E-09
5370	474494.92, 3848334.16	1.52E-05	4.78E-09	1.39E-09	1.86E-05	5.86E-09	1.70E-09	1.63E-05	5.14E-09	1.49E-09
5371	475167.27, 3848920.79	1.73E-05	5.46E-09	1.59E-09	2.12E-05	6.69E-09	1.95E-09	1.86E-05	5.86E-09	1.71E-09
5372	475297.89, 3848997.96	1.76E-05	5.56E-09	1.62E-09	2.16E-05	6.81E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09

5373	475439.05, 3849062	1.76E-05	5.55E-09	1.61E-09	2.15E-05	6.80E-09	1.98E-09	1.89E-05	5.96E-09	1.73E-09
5374	475486.86, 3849061.09	1.75E-05	5.52E-09	1.60E-09	2.14E-05	6.76E-09	1.97E-09	1.88E-05	5.93E-09	1.72E-09
5375	475538.46, 3849075.56	1.76E-05	5.55E-09	1.62E-09	2.16E-05	6.80E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09
5376	475751.79, 3849137.15	1.83E-05	5.79E-09	1.68E-09	2.25E-05	7.09E-09	2.06E-09	1.97E-05	6.22E-09	1.81E-09
5377	476303.62, 3849223.38	1.93E-05	6.08E-09	1.77E-09	2.36E-05	7.44E-09	2.17E-09	2.07E-05	6.53E-09	1.90E-09
5378	476304.51, 3849238.92	1.94E-05	6.11E-09	1.78E-09	2.37E-05	7.48E-09	2.18E-09	2.08E-05	6.56E-09	1.91E-09
5379	476365.04, 3849247.98	1.95E-05	6.14E-09	1.79E-09	2.38E-05	7.52E-09	2.19E-09	2.09E-05	6.60E-09	1.92E-09
5380	476444.86, 3849267.13	1.95E-05	6.15E-09	1.79E-09	2.39E-05	7.53E-09	2.19E-09	2.09E-05	6.60E-09	1.92E-09
5381	476550.75, 3849300.66	1.98E-05	6.24E-09	1.82E-09	2.42E-05	7.65E-09	2.22E-09	2.13E-05	6.71E-09	1.95E-09
5382	476656.71, 3849346.88	2.01E-05	6.33E-09	1.84E-09	2.46E-05	7.75E-09	2.25E-09	2.15E-05	6.80E-09	1.98E-09
5383	476873.55, 3849454.53	2.08E-05	6.57E-09	1.91E-09	2.55E-05	8.05E-09	2.34E-09	2.24E-05	7.06E-09	2.05E-09
5384	477700, 3849859.7	2.38E-05	7.51E-09	2.18E-09	2.91E-05	9.20E-09	2.68E-09	2.56E-05	8.07E-09	2.35E-09
5385	477743.16, 3849856.38	2.35E-05	7.41E-09	2.16E-09	2.88E-05	9.08E-09	2.64E-09	2.52E-05	7.97E-09	2.32E-09
5386	478477.35, 3850216.33	2.55E-05	8.06E-09	2.34E-09	3.13E-05	9.87E-09	2.87E-09	2.74E-05	8.66E-09	2.52E-09
5387	478485.8, 3850201.6	2.55E-05	8.04E-09	2.34E-09	3.12E-05	9.85E-09	2.87E-09	2.74E-05	8.64E-09	2.51E-09
5388	479113.21, 3850501.53	3.09E-05	9.75E-09	2.83E-09	3.78E-05	1.19E-08	3.47E-09	3.32E-05	1.05E-08	3.05E-09
5389	479108.11, 3850382.28	3.07E-05	9.70E-09	2.82E-09	3.76E-05	1.19E-08	3.46E-09	3.30E-05	1.04E-08	3.03E-09
5390	479689.85, 3850674.28	3.66E-05	1.15E-08	3.36E-09	4.48E-05	1.41E-08	4.11E-09	3.93E-05	1.24E-08	3.61E-09
5391	479952.42, 3850774.28	4.03E-05	1.27E-08	3.70E-09	4.94E-05	1.56E-08	4.53E-09	4.33E-05	1.37E-08	3.97E-09
5392	479911.32, 3850884.85	3.97E-05	1.25E-08	3.64E-09	4.86E-05	1.53E-08	4.46E-09	4.26E-05	1.34E-08	3.91E-09
5393	480500.92, 3851178.12	4.87E-05	1.54E-08	4.48E-09	5.97E-05	1.88E-08	5.48E-09	5.24E-05	1.65E-08	4.81E-09
5394	480738.01, 3851289.27	5.26E-05	1.66E-08	4.83E-09	6.44E-05	2.03E-08	5.91E-09	5.65E-05	1.78E-08	5.18E-09
5395	481055.42, 3851443.58	5.76E-05	1.82E-08	5.28E-09	7.05E-05	2.23E-08	6.47E-09	6.18E-05	1.95E-08	5.68E-09
5396	481110.22, 3851443.15	5.81E-05	1.83E-08	5.33E-09	7.11E-05	2.25E-08	6.53E-09	6.24E-05	1.97E-08	5.73E-09
5397	481111.1, 3851417.45	5.77E-05	1.82E-08	5.30E-09	7.07E-05	2.23E-08	6.49E-09	6.20E-05	1.96E-08	5.70E-09
5398	482248.44, 3852605.09	9.83E-05	3.10E-08	9.02E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.70E-09
5399	482273.34, 3852632.31	9.99E-05	3.15E-08	9.17E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.39E-08	9.86E-09
5400	482665.46, 3853038.72	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.52E-08	1.32E-08
5401	483077.95, 3853844.31	1.40E-03	4.41E-07	1.28E-07	1.71E-03	5.40E-07	1.57E-07	1.51E-03	4.76E-07	1.38E-07
5402	483121.38, 3853909.38	1.32E-03	4.16E-07	1.21E-07	1.62E-03	5.10E-07	1.48E-07	1.42E-03	4.49E-07	1.31E-07
5403	483492.64, 3853911.49	6.71E-04	2.12E-07	6.16E-08	8.22E-04	2.59E-07	7.54E-08	7.23E-04	2.28E-07	6.64E-08
5404	483498.29, 3854204.73	9.22E-04	2.91E-07	8.46E-08	1.13E-03	3.56E-07	1.04E-07	9.93E-04	3.13E-07	9.12E-08
5405	484132.44, 3854662.55	1.89E-03	5.95E-07	1.73E-07	2.31E-03	7.29E-07	2.12E-07	2.03E-03	6.41E-07	1.86E-07
5406	484627.62, 3854876.13	7.16E-03	2.26E-06	6.57E-07	8.78E-03	2.77E-06	8.06E-07	7.68E-03	2.42E-06	7.05E-07
5407	484756.14, 3854949.04	6.86E-03	2.17E-06	6.30E-07	8.41E-03	2.65E-06	7.72E-07	7.33E-03	2.31E-06	6.73E-07
5408	486697.51, 3856599.17	6.58E-03	2.08E-06	6.04E-07	8.06E-03	2.55E-06	7.40E-07	7.11E-03	2.24E-06	6.52E-07
5409	487105.31, 3856962.27	6.22E-03	1.96E-06	5.71E-07	7.61E-03	2.40E-06	6.99E-07	6.70E-03	2.12E-06	6.15E-07
5410	487157.57, 3856901.7	4.73E-03	1.49E-06	4.34E-07	5.79E-03	1.83E-06	5.32E-07	5.10E-03	1.61E-06	4.68E-07
5411	487173.5, 3856853.74	4.18E-03	1.32E-06	3.84E-07	5.12E-03	1.62E-06	4.70E-07	4.51E-03	1.42E-06	4.14E-07
5412	487564.41, 3856860.83	2.50E-03	7.90E-07	2.30E-07	3.07E-03	9.68E-07	2.81E-07	2.69E-03	8.50E-07	2.47E-07
5413	487563.31, 3856931.58	2.57E-03	8.12E-07	2.36E-07	3.15E-03	9.95E-07	2.89E-07	2.76E-03	8.72E-07	2.54E-07
5414	487782.7, 3856926.85	2.11E-03	6.65E-07	1.93E-07	2.58E-03	8.14E-07	2.37E-07	2.26E-03	7.13E-07	2.07E-07
5415	487782.39, 3856757.07	1.98E-03	6.24E-07	1.81E-07	2.42E-03	7.64E-07	2.22E-07	2.13E-03	6.71E-07	1.95E-07
5416	487917.26, 3856752.41	1.79E-03	5.66E-07	1.65E-07	2.20E-03	6.93E-07	2.02E-07	1.93E-03	6.09E-07	1.77E-07
5417	487919.57, 3856953.35	1.91E-03	6.04E-07	1.76E-07	2.34E-03	7.39E-07	2.15E-07	2.05E-03	6.46E-07	1.88E-07
5418	487932.76, 3857000.32	1.93E-03	6.08E-07	1.77E-07	2.36E-03	7.44E-07	2.17E-07	2.06E-03	6.50E-07	1.89E-07
5419	487960.5, 3857044.75	1.92E-03	6.06E-07	1.76E-07	2.35E-03	7.42E-07	2.16E-07	2.05E-03	6.46E-07	1.88E-07
5420	488016.54, 3857089.54	1.88E-03	5.92E-07	1.72E-07	2.30E-03	7.25E-07	2.11E-07	2.00E-03	6.31E-07	1.84E-07
5421	488114.39, 3857165.47	1.80E-03	5.68E-07	1.65E-07	2.20E-03	6.95E-07	2.02E-07	1.91E-03	6.04E-07	1.76E-07
5422	488171.49, 3857234.24	1.76E-03	5.56E-07	1.62E-07	2.16E-03	6.81E-07	1.98E-07	1.87E-03	5.91E-07	1.72E-07
5423	488193.16, 3857297.8	1.76E-03	5.55E-07	1.61E-07	2.15E-03	6.80E-07	1.98E-07	1.87E-03	5.90E-07	1.72E-07
5424	488189.27, 3857649.94	1.91E-03	6.02E-07	1.75E-07	2.33E-03	7.37E-07	2.14E-07	2.04E-03	6.44E-07	1.87E-07
5425	488127.43, 3857732.32	2.07E-03	6.52E-07	1.90E-07	2.53E-03	7.99E-07	2.32E-07	2.22E-03	7.00E-07	2.03E-07
5426	488149.93, 3857752.94	1.99E-03	6.29E-07	1.83E-07	2.44E-03	7.70E-07	2.24E-07	2.14E-03	6.74E-07	1.96E-07
5427	488144.76, 3857758.71	2.00E-03	6.32E-07	1.84E-07	2.45E-03	7.74E-07	2.25E-07	2.15E-03	6.78E-07	1.97E-07
5428	488335.58, 3857932.55	1.41E-03	4.44E-07	1.29E-07	1.72E-03	5.44E-07	1.58E-07	1.51E-03	4.77E-07	1.39E-07
5429	488372.29, 3857943.79	1.36E-03	4.28E-07	1.24E-07	1.66E-03	5.24E-07	1.52E-07	1.46E-03	4.59E-07	1.34E-07
5430	488828.64, 3857936.4	1.01E-03	3.19E-07	9.27E-08	1.24E-03	3.90E-07	1.14E-07	1.08E-03	3.42E-07	9.95E-08
5431	488829.08, 3857959.58	1.00E-03	3.16E-07	9.19E-08	1.23E-03	3.87E-07	1.12E-07	1.07E-03	3.39E-07	9.86E-08
5432	488351.61, 3857964.55	1.36E-03	4.30E-07	1.25E-07	1.67E-03	5.26E-07	1.53E-07	1.46E-03	4.62E-07	1.34E-07
5433	488316.87, 3857947.65	1.42E-03	4.47E-07	1.30E-07	1.73E-03	5.47E-07	1.59E-07	1.52E-03	4.80E-07	1.40E-07
5434	488129.1, 3857775.77	2.03E-03	6.41E-07	1.86E-07	2.49E-03	7.84E-07	2.28E-07	2.18E-03	6.87E-07	2.00E-07
5435	488062.53, 3857846.13	2.09E-03	6.61E-07	1.92E-07	2.56E-03	8.09E-07	2.35E-07	2.25E-03	7.10E-07	2.07E-07
5436	488330.41, 3858091.34	1.34E-03	4.23E-07	1.23E-07	1.64E-03	5.18E-07	1.51E-07	1.44E-03	4.55E-07	1.32E-07

5437	488470.87, 3858174.45	1.23E-03	3.88E-07	1.13E-07	1.50E-03	4.75E-07	1.38E-07	1.32E-03	4.17E-07	1.21E-07
5438	488568.9, 3858262.31	1.21E-03	3.81E-07	1.11E-07	1.48E-03	4.67E-07	1.36E-07	1.30E-03	4.11E-07	1.19E-07
5439	488964.27, 3858025.71	9.15E-04	2.89E-07	8.40E-08	1.12E-03	3.54E-07	1.03E-07	9.82E-04	3.10E-07	9.02E-08
5440	489147.25, 3857956.64	8.63E-04	2.73E-07	7.93E-08	1.06E-03	3.34E-07	9.71E-08	9.26E-04	2.92E-07	8.50E-08
5441	489343.52, 3857932.45	8.04E-04	2.54E-07	7.39E-08	9.85E-04	3.11E-07	9.04E-08	8.63E-04	2.72E-07	7.92E-08
5442	489866.19, 3857923.19	6.67E-04	2.11E-07	6.12E-08	8.17E-04	2.58E-07	7.50E-08	7.15E-04	2.26E-07	6.57E-08
5443	489955.65, 3857902.27	6.51E-04	2.06E-07	5.98E-08	7.97E-04	2.52E-07	7.32E-08	6.98E-04	2.20E-07	6.41E-08
5444	490079.44, 3857847.9	6.35E-04	2.00E-07	5.83E-08	7.77E-04	2.45E-07	7.13E-08	6.80E-04	2.15E-07	6.24E-08
5445	490108.49, 3857934.13	6.14E-04	1.94E-07	5.64E-08	7.52E-04	2.37E-07	6.91E-08	6.59E-04	2.08E-07	6.05E-08
5446	489884.48, 3858014.17	6.46E-04	2.04E-07	5.93E-08	7.91E-04	2.50E-07	7.26E-08	6.93E-04	2.19E-07	6.36E-08
5447	489326.56, 3858025.86	7.85E-04	2.48E-07	7.21E-08	9.62E-04	3.04E-07	8.83E-08	8.43E-04	2.66E-07	7.74E-08
5448	489130.38, 3858056.71	8.43E-04	2.66E-07	7.74E-08	1.03E-03	3.26E-07	9.47E-08	9.04E-04	2.85E-07	8.30E-08
5449	488936.49, 3858143.93	9.06E-04	2.86E-07	8.32E-08	1.11E-03	3.50E-07	1.02E-07	9.73E-04	3.07E-07	8.94E-08
5450	488638.08, 3858327.45	1.19E-03	3.77E-07	1.10E-07	1.46E-03	4.62E-07	1.34E-07	1.29E-03	4.06E-07	1.18E-07
5451	488663.79, 3858349.57	1.19E-03	3.75E-07	1.09E-07	1.46E-03	4.60E-07	1.34E-07	1.28E-03	4.04E-07	1.18E-07
5452	488694.56, 3858349.5	1.15E-03	3.63E-07	1.06E-07	1.41E-03	4.45E-07	1.29E-07	1.24E-03	3.91E-07	1.14E-07
5453	488694.35, 3858336.75	1.14E-03	3.59E-07	1.04E-07	1.39E-03	4.39E-07	1.28E-07	1.22E-03	3.86E-07	1.12E-07
5454	488712.81, 3858336.38	1.12E-03	3.52E-07	1.02E-07	1.37E-03	4.31E-07	1.25E-07	1.20E-03	3.79E-07	1.10E-07
5455	488713.23, 3858367.46	1.15E-03	3.62E-07	1.05E-07	1.41E-03	4.44E-07	1.29E-07	1.24E-03	3.90E-07	1.13E-07
5456	488704.63, 3858384.05	1.18E-03	3.72E-07	1.08E-07	1.44E-03	4.56E-07	1.33E-07	1.27E-03	4.01E-07	1.17E-07
5457	488604.15, 3858488.29	1.67E-03	5.27E-07	1.53E-07	2.05E-03	6.46E-07	1.88E-07	1.80E-03	5.68E-07	1.65E-07
5458	488605.66, 3858550.47	2.04E-03	6.44E-07	1.87E-07	2.50E-03	7.89E-07	2.29E-07	2.20E-03	6.95E-07	2.02E-07
5459	488692.68, 3858548.71	1.62E-03	5.11E-07	1.49E-07	1.98E-03	6.26E-07	1.82E-07	1.75E-03	5.51E-07	1.60E-07
5460	488759.93, 3858461.81	1.22E-03	3.84E-07	1.12E-07	1.49E-03	4.70E-07	1.37E-07	1.31E-03	4.14E-07	1.20E-07
5461	488816.57, 3858541.79	1.27E-03	4.01E-07	1.17E-07	1.56E-03	4.91E-07	1.43E-07	1.37E-03	4.32E-07	1.26E-07
5462	488944.63, 3858656.77	1.27E-03	3.99E-07	1.16E-07	1.55E-03	4.89E-07	1.42E-07	1.36E-03	4.31E-07	1.25E-07
5463	489134.91, 3858830.7	1.01E-03	3.19E-07	9.28E-08	1.24E-03	3.91E-07	1.14E-07	1.09E-03	3.44E-07	1.00E-07
5464	489193.99, 3858886.05	7.89E-04	2.49E-07	7.24E-08	9.66E-04	3.05E-07	8.87E-08	8.50E-04	2.68E-07	7.81E-08
5465	489295.2, 3858954.34	5.73E-04	1.81E-07	5.26E-08	7.01E-04	2.21E-07	6.44E-08	6.17E-04	1.95E-07	5.66E-08
5466	489295.64, 3858992.74	5.14E-04	1.62E-07	4.72E-08	6.29E-04	1.99E-07	5.78E-08	5.53E-04	1.75E-07	5.08E-08
5467	489183.74, 3858911.72	7.40E-04	2.33E-07	6.79E-08	9.06E-04	2.86E-07	8.32E-08	7.97E-04	2.52E-07	7.32E-08
5468	488873.37, 3858625.59	1.35E-03	4.26E-07	1.24E-07	1.65E-03	5.22E-07	1.52E-07	1.46E-03	4.60E-07	1.34E-07
5469	488842.84, 3858658.69	1.55E-03	4.90E-07	1.43E-07	1.90E-03	6.01E-07	1.75E-07	1.68E-03	5.29E-07	1.54E-07
5470	488856.39, 3858670.93	1.56E-03	4.91E-07	1.43E-07	1.91E-03	6.01E-07	1.75E-07	1.68E-03	5.30E-07	1.54E-07
5471	488805.7, 3858724.5	2.18E-03	6.88E-07	2.00E-07	2.67E-03	8.43E-07	2.45E-07	2.35E-03	7.43E-07	2.16E-07
5472	488805.87, 3858804.16	3.62E-03	1.14E-06	3.32E-07	4.44E-03	1.40E-06	4.07E-07	3.91E-03	1.23E-06	3.59E-07
5473	488995.78, 3858936.96	8.47E-04	2.67E-07	7.77E-08	1.04E-03	3.27E-07	9.52E-08	9.13E-04	2.88E-07	8.38E-08
5474	489130.76, 3859017.38	5.06E-04	1.60E-07	4.64E-08	6.19E-04	1.95E-07	5.69E-08	5.44E-04	1.72E-07	5.00E-08
5475	489130.92, 3859052.24	4.43E-04	1.40E-07	4.07E-08	5.43E-04	1.71E-07	4.98E-08	4.77E-04	1.51E-07	4.38E-08
5476	489200.33, 3859090.6	3.94E-04	1.24E-07	3.62E-08	4.83E-04	1.52E-07	4.43E-08	4.24E-04	1.34E-07	3.89E-08
5477	489296.07, 3859143.7	3.45E-04	1.09E-07	3.17E-08	4.23E-04	1.34E-07	3.88E-08	3.72E-04	1.17E-07	3.41E-08
5478	489296.43, 3858954.74	5.71E-04	1.80E-07	5.24E-08	7.00E-04	2.21E-07	6.43E-08	6.15E-04	1.94E-07	5.65E-08
5479	489410.33, 3859033.19	4.38E-04	1.38E-07	4.02E-08	5.36E-04	1.69E-07	4.92E-08	4.71E-04	1.49E-07	4.33E-08
5480	489371.37, 3859089.8	3.89E-04	1.23E-07	3.57E-08	4.77E-04	1.51E-07	4.38E-08	4.19E-04	1.32E-07	3.85E-08
5481	489390.52, 3859102.82	3.77E-04	1.19E-07	3.46E-08	4.62E-04	1.46E-07	4.24E-08	4.06E-04	1.28E-07	3.72E-08
5482	489382.3, 3859114.53	3.68E-04	1.16E-07	3.38E-08	4.50E-04	1.42E-07	4.13E-08	3.96E-04	1.25E-07	3.63E-08
5483	489363.04, 3859102.45	3.79E-04	1.20E-07	3.48E-08	4.64E-04	1.46E-07	4.26E-08	4.08E-04	1.29E-07	3.74E-08
5484	489337.52, 3859140.71	3.48E-04	1.10E-07	3.19E-08	4.26E-04	1.34E-07	3.91E-08	3.74E-04	1.18E-07	3.44E-08
5485	489375.14, 3859164.55	3.30E-04	1.04E-07	3.03E-08	4.05E-04	1.28E-07	3.72E-08	3.55E-04	1.12E-07	3.26E-08
5486	489409.3, 3859114.5	3.66E-04	1.16E-07	3.36E-08	4.49E-04	1.42E-07	4.12E-08	3.94E-04	1.24E-07	3.62E-08
5487	489434.87, 3859131.81	3.52E-04	1.11E-07	3.23E-08	4.31E-04	1.36E-07	3.96E-08	3.79E-04	1.20E-07	3.48E-08
5488	489471.87, 3859075.75	3.91E-04	1.23E-07	3.59E-08	4.79E-04	1.51E-07	4.40E-08	4.21E-04	1.33E-07	3.86E-08
5489	489602.62, 3859164.69	3.24E-04	1.02E-07	2.97E-08	3.96E-04	1.25E-07	3.64E-08	3.48E-04	1.10E-07	3.20E-08
5490	489558.29, 3859232.45	2.91E-04	9.19E-08	2.67E-08	3.57E-04	1.13E-07	3.27E-08	3.13E-04	9.88E-08	2.87E-08
5491	489620.11, 3859273.56	2.73E-04	8.60E-08	2.50E-08	3.34E-04	1.05E-07	3.07E-08	2.93E-04	9.25E-08	2.69E-08
5492	489666.06, 3859206.42	3.00E-04	9.48E-08	2.76E-08	3.68E-04	1.16E-07	3.38E-08	3.23E-04	1.02E-07	2.97E-08
5493	489787.9, 3859285.65	2.66E-04	8.38E-08	2.44E-08	3.25E-04	1.03E-07	2.99E-08	2.86E-04	9.01E-08	2.62E-08
5494	489752.17, 3859343.13	2.47E-04	7.79E-08	2.27E-08	3.02E-04	9.55E-08	2.78E-08	2.65E-04	8.38E-08	2.44E-08
5495	489814.94, 3859385.33	2.34E-04	7.39E-08	2.15E-08	2.87E-04	9.05E-08	2.63E-08	2.52E-04	7.94E-08	2.31E-08
5496	489853.42, 3859330.74	2.50E-04	7.88E-08	2.29E-08	3.06E-04	9.65E-08	2.81E-08	2.68E-04	8.47E-08	2.46E-08
5497	489969.5, 3859401.91	2.28E-04	7.21E-08	2.10E-08	2.80E-04	8.83E-08	2.57E-08	2.46E-04	7.75E-08	2.25E-08
5498	490166.91, 3859486.96	2.07E-04	6.53E-08	1.90E-08	2.53E-04	8.00E-08	2.33E-08	2.22E-04	7.02E-08	2.04E-08
5499	490128.86, 3859571.46	1.90E-04	6.01E-08	1.75E-08	2.33E-04	7.36E-08	2.14E-08	2.05E-04	6.46E-08	1.88E-08
5500	490186.65, 3859593.65	1.86E-04	5.88E-08	1.71E-08	2.28E-04	7.21E-08	2.10E-08	2.00E-04	6.32E-08	1.84E-08

5501 490223.74, 3859517.48	2.01E-04	6.33E-08	1.84E-08	2.46E-04	7.75E-08	2.25E-08	2.15E-04	6.80E-08	1.98E-08
5502 490846.34, 3859817.22	1.56E-04	4.91E-08	1.43E-08	1.91E-04	6.02E-08	1.75E-08	1.67E-04	5.28E-08	1.54E-08
5503 490925.65, 3859844.59	1.53E-04	4.82E-08	1.40E-08	1.87E-04	5.91E-08	1.72E-08	1.64E-04	5.18E-08	1.51E-08
5504 491159.29, 3859896.28	1.46E-04	4.62E-08	1.34E-08	1.79E-04	5.66E-08	1.65E-08	1.57E-04	4.96E-08	1.44E-08
5505 491370.69, 3859960.89	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
5506 491330.28, 3860063.17	1.29E-04	4.06E-08	1.18E-08	1.57E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
5507 491636.45, 3860180.75	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
5508 491617.94, 3860203.93	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
5509 491805.68, 3860271.59	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
5510 491654.23, 3860414.02	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
5511 491592.62, 3860510.76	9.75E-05	3.08E-08	8.95E-09	1.19E-04	3.77E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
5512 491475.41, 3860368.93	1.05E-04	3.32E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
5513 491445.61, 3860337.28	1.07E-04	3.37E-08	9.82E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
5514 491399.05, 3860300.37	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
5515 491228.84, 3860235.98	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
5516 491228.47, 3860174.57	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
5517 491145.77, 3860112.55	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
5518 490844.41, 3859966.22	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.69E-08	1.37E-08
5519 490845.55, 3859928.15	1.42E-04	4.50E-08	1.31E-08	1.74E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
5520 490046.91, 3859625.6	1.82E-04	5.73E-08	1.67E-08	2.23E-04	7.02E-08	2.04E-08	1.95E-04	6.16E-08	1.79E-08
5521 489970.48, 3859589.4	1.88E-04	5.94E-08	1.73E-08	2.31E-04	7.28E-08	2.12E-08	2.02E-04	6.39E-08	1.86E-08
5522 489865.89, 3859529.06	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.74E-08	2.25E-08	2.15E-04	6.79E-08	1.97E-08
5523 489826.89, 3859531.74	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.74E-08	2.25E-08	2.15E-04	6.79E-08	1.97E-08
5524 489410.47, 3859303.06	2.63E-04	8.31E-08	2.42E-08	3.22E-04	1.02E-07	2.96E-08	2.83E-04	8.93E-08	2.60E-08
5525 489407.15, 3859286.09	2.69E-04	8.49E-08	2.47E-08	3.30E-04	1.04E-07	3.03E-08	2.89E-04	9.13E-08	2.66E-08
5526 488806.07, 3858963.62	6.47E-04	2.04E-07	5.94E-08	7.93E-04	2.50E-07	7.28E-08	6.98E-04	2.20E-07	6.41E-08
5527 488817.64, 3859546.3	2.00E-04	6.31E-08	1.84E-08	2.45E-04	7.73E-08	2.25E-08	2.15E-04	6.78E-08	1.97E-08
5528 489187.25, 3859549.52	2.04E-04	6.44E-08	1.87E-08	2.50E-04	7.89E-08	2.30E-08	2.19E-04	6.92E-08	2.01E-08
5529 489187.66, 3859523.74	2.10E-04	6.61E-08	1.92E-08	2.57E-04	8.10E-08	2.36E-08	2.25E-04	7.11E-08	2.07E-08
5530 489232.59, 3859522.85	2.11E-04	6.65E-08	1.93E-08	2.58E-04	8.14E-08	2.37E-08	2.26E-04	7.14E-08	2.08E-08
5531 489224.98, 3859759.91	1.69E-04	5.34E-08	1.55E-08	2.07E-04	6.54E-08	1.90E-08	1.82E-04	5.74E-08	1.67E-08
5532 488401.39, 3859763.34	1.61E-04	5.08E-08	1.48E-08	1.97E-04	6.22E-08	1.81E-08	1.73E-04	5.46E-08	1.59E-08
5533 488405.51, 3859966.16	1.39E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
5534 489202.85, 3859956.57	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.65E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
5535 489191.9, 3860676.74	9.57E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
5536 488392.82, 3860687.88	9.41E-05	2.97E-08	8.64E-09	1.15E-04	3.64E-08	1.06E-08	1.01E-04	3.19E-08	9.28E-09
5537 488392.82, 3860760.27	9.16E-05	2.89E-08	8.41E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.04E-09
5538 487549.05, 3860777.45	8.86E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.96E-09	9.52E-05	3.01E-08	8.74E-09
5539 487554.62, 3859571.83	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.93E-08	1.85E-04	5.83E-08	1.70E-08
5540 485949.46, 3859558.54	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.02E-08	1.46E-08
5541 485947.55, 3857943.61	4.08E-04	1.29E-07	3.75E-08	5.00E-04	1.58E-07	4.59E-08	4.38E-04	1.38E-07	4.02E-08
5542 484738.38, 3857940.21	2.63E-04	8.29E-08	2.41E-08	3.22E-04	1.01E-07	2.95E-08	2.82E-04	8.91E-08	2.59E-08
5543 484737.06, 3857535.68	3.22E-04	1.02E-07	2.96E-08	3.95E-04	1.25E-07	3.62E-08	3.47E-04	1.09E-07	3.18E-08
5544 483730.2, 3857530.13	2.31E-04	7.30E-08	2.12E-08	2.83E-04	8.95E-08	2.60E-08	2.49E-04	7.85E-08	2.28E-08
5545 483727.27, 3857130.01	2.71E-04	8.54E-08	2.49E-08	3.32E-04	1.05E-07	3.04E-08	2.91E-04	9.18E-08	2.67E-08
5546 483124.42, 3857123.45	2.19E-04	6.93E-08	2.01E-08	2.69E-04	8.48E-08	2.47E-08	2.36E-04	7.44E-08	2.16E-08
5547 483111.13, 3855921.03	3.22E-04	1.02E-07	2.96E-08	3.95E-04	1.25E-07	3.62E-08	3.46E-04	1.09E-07	3.18E-08
5548 482701.73, 3855918.24	2.65E-04	8.36E-08	2.43E-08	3.24E-04	1.02E-07	2.98E-08	2.84E-04	8.97E-08	2.61E-08
5549 482668.02, 3853521.78	2.85E-04	9.00E-08	2.62E-08	3.49E-04	1.10E-07	3.21E-08	3.07E-04	9.70E-08	2.82E-08
5550 482579.91, 3853219.19	1.52E-04	4.79E-08	1.39E-08	1.86E-04	5.86E-08	1.71E-08	1.63E-04	5.15E-08	1.50E-08
5551 482434.06, 3852961.94	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
5552 482332.11, 3852832.85	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
5553 481334.99, 3851818.96	6.53E-05	2.06E-08	5.99E-09	8.00E-05	2.52E-08	7.34E-09	7.01E-05	2.21E-08	6.44E-09
5554 481127.62, 3851646.36	6.03E-05	1.90E-08	5.54E-09	7.39E-05	2.33E-08	6.79E-09	6.48E-05	2.05E-08	5.95E-09
5555 481025.04, 3851591.73	5.84E-05	1.84E-08	5.36E-09	7.15E-05	2.26E-08	6.57E-09	6.27E-05	1.98E-08	5.76E-09
5556 480513.6, 3851335.76	4.91E-05	1.55E-08	4.51E-09	6.01E-05	1.90E-08	5.52E-09	5.27E-05	1.66E-08	4.84E-09
5557 480523.56, 3851317.66	4.93E-05	1.55E-08	4.52E-09	6.03E-05	1.90E-08	5.54E-09	5.29E-05	1.67E-08	4.86E-09
5558 476921.56, 3849569.11	2.21E-05	6.96E-09	2.02E-09	2.70E-05	8.52E-09	2.48E-09	2.37E-05	7.48E-09	2.18E-09
5559 476521.19, 3849373.96	2.05E-05	6.47E-09	1.88E-09	2.51E-05	7.92E-09	2.31E-09	2.20E-05	6.95E-09	2.02E-09
5560 476391.45, 3849333.38	2.03E-05	6.40E-09	1.86E-09	2.48E-05	7.84E-09	2.28E-09	2.18E-05	6.88E-09	2.00E-09
5561 476219.41, 3849304.29	2.01E-05	6.35E-09	1.85E-09	2.46E-05	7.78E-09	2.26E-09	2.16E-05	6.82E-09	1.98E-09
5562 475679.11, 3849218.47	1.92E-05	6.06E-09	1.76E-09	2.35E-05	7.42E-09	2.16E-09	2.06E-05	6.51E-09	1.89E-09
5563 475677.71, 3849233.88	1.93E-05	6.09E-09	1.77E-09	2.36E-05	7.46E-09	2.17E-09	2.07E-05	6.55E-09	1.90E-09
5564 475492.74, 3849204.66	1.75E-05	5.53E-09	1.61E-09	2.14E-05	6.77E-09	1.97E-09	1.88E-05	5.94E-09	1.73E-09

5565	475497.64, 3849158.75	1.79E-05	5.65E-09	1.64E-09	2.19E-05	6.93E-09	2.01E-09	1.92E-05	6.07E-09	1.77E-09
5566	475391.35, 3849141.94	1.83E-05	5.79E-09	1.68E-09	2.25E-05	7.09E-09	2.06E-09	1.97E-05	6.22E-09	1.81E-09
5567	475277, 3849095.47	1.83E-05	5.77E-09	1.68E-09	2.24E-05	7.07E-09	2.06E-09	1.96E-05	6.20E-09	1.80E-09
5568	475183.93, 3849025.66	1.79E-05	5.66E-09	1.65E-09	2.20E-05	6.93E-09	2.02E-09	1.93E-05	6.08E-09	1.77E-09
5569	474453.23, 3848378.77	1.55E-05	4.89E-09	1.42E-09	1.90E-05	5.99E-09	1.74E-09	1.67E-05	5.26E-09	1.53E-09
5570	474569.63, 3848399.34	1.54E-05	4.86E-09	1.41E-09	1.89E-05	5.96E-09	1.73E-09	1.66E-05	5.22E-09	1.52E-09
5571	474644.33, 3848464.52	1.57E-05	4.94E-09	1.44E-09	1.92E-05	6.06E-09	1.76E-09	1.68E-05	5.31E-09	1.54E-09
5572	474719.04, 3848529.7	1.59E-05	5.02E-09	1.46E-09	1.95E-05	6.15E-09	1.79E-09	1.71E-05	5.39E-09	1.57E-09
5573	474793.74, 3848594.88	1.60E-05	5.06E-09	1.47E-09	1.96E-05	6.20E-09	1.80E-09	1.72E-05	5.44E-09	1.58E-09
5574	474868.45, 3848660.07	1.61E-05	5.08E-09	1.48E-09	1.97E-05	6.22E-09	1.81E-09	1.73E-05	5.46E-09	1.59E-09
5575	474943.15, 3848725.25	1.63E-05	5.14E-09	1.49E-09	1.99E-05	6.29E-09	1.83E-09	1.75E-05	5.52E-09	1.61E-09
5576	475017.86, 3848790.43	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.41E-09	1.86E-09	1.78E-05	5.62E-09	1.63E-09
5577	475092.56, 3848855.61	1.69E-05	5.35E-09	1.56E-09	2.08E-05	6.55E-09	1.91E-09	1.82E-05	5.75E-09	1.67E-09
5578	475232.58, 3848959.38	1.75E-05	5.51E-09	1.60E-09	2.14E-05	6.76E-09	1.96E-09	1.88E-05	5.92E-09	1.72E-09
5579	475368.47, 3849029.98	1.77E-05	5.58E-09	1.62E-09	2.17E-05	6.84E-09	1.99E-09	1.90E-05	6.00E-09	1.74E-09
5580	475609.57, 3849096.09	1.78E-05	5.62E-09	1.63E-09	2.18E-05	6.89E-09	2.00E-09	1.91E-05	6.04E-09	1.76E-09
5581	475680.68, 3849116.62	1.82E-05	5.74E-09	1.67E-09	2.23E-05	7.03E-09	2.04E-09	1.95E-05	6.16E-09	1.79E-09
5582	475843.76, 3849151.52	1.86E-05	5.88E-09	1.71E-09	2.28E-05	7.20E-09	2.09E-09	2.00E-05	6.31E-09	1.84E-09
5583	475935.73, 3849165.89	1.90E-05	6.01E-09	1.75E-09	2.33E-05	7.36E-09	2.14E-09	2.05E-05	6.46E-09	1.88E-09
5584	476027.71, 3849180.27	1.94E-05	6.11E-09	1.78E-09	2.37E-05	7.49E-09	2.18E-09	2.08E-05	6.57E-09	1.91E-09
5585	476119.68, 3849194.64	1.91E-05	6.04E-09	1.76E-09	2.34E-05	7.40E-09	2.15E-09	2.06E-05	6.49E-09	1.89E-09
5586	476211.65, 3849209.01	1.92E-05	6.05E-09	1.76E-09	2.35E-05	7.41E-09	2.16E-09	2.06E-05	6.50E-09	1.89E-09
5587	476497.81, 3849283.9	1.96E-05	6.19E-09	1.80E-09	2.40E-05	7.59E-09	2.21E-09	2.11E-05	6.66E-09	1.94E-09
5588	476603.73, 3849323.77	1.99E-05	6.29E-09	1.83E-09	2.44E-05	7.71E-09	2.24E-09	2.14E-05	6.76E-09	1.97E-09
5589	476728.99, 3849382.76	2.03E-05	6.41E-09	1.87E-09	2.49E-05	7.86E-09	2.29E-09	2.18E-05	6.89E-09	2.00E-09
5590	476801.27, 3849418.65	2.06E-05	6.50E-09	1.89E-09	2.52E-05	7.96E-09	2.32E-09	2.21E-05	6.98E-09	2.03E-09
5591	476956.2, 3849495.05	2.12E-05	6.68E-09	1.94E-09	2.59E-05	8.19E-09	2.38E-09	2.28E-05	7.18E-09	2.09E-09
5592	477038.84, 3849535.56	2.13E-05	6.73E-09	1.96E-09	2.61E-05	8.25E-09	2.40E-09	2.29E-05	7.23E-09	2.10E-09
5593	477121.49, 3849576.08	2.16E-05	6.82E-09	1.98E-09	2.65E-05	8.36E-09	2.43E-09	2.32E-05	7.33E-09	2.13E-09
5594	477204.13, 3849616.6	2.18E-05	6.88E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
5595	477286.78, 3849657.12	2.16E-05	6.81E-09	1.98E-09	2.64E-05	8.34E-09	2.43E-09	2.32E-05	7.32E-09	2.13E-09
5596	477369.42, 3849697.63	2.23E-05	7.05E-09	2.05E-09	2.73E-05	8.63E-09	2.51E-09	2.40E-05	7.57E-09	2.20E-09
5597	477452.07, 3849738.15	2.25E-05	7.09E-09	2.06E-09	2.75E-05	8.68E-09	2.53E-09	2.41E-05	7.62E-09	2.22E-09
5598	477534.71, 3849778.67	2.31E-05	7.29E-09	2.12E-09	2.83E-05	8.92E-09	2.60E-09	2.48E-05	7.83E-09	2.28E-09
5599	477617.36, 3849819.18	2.33E-05	7.35E-09	2.14E-09	2.85E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
5600	477824.74, 3849896.37	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.25E-09	2.69E-09	2.57E-05	8.12E-09	2.36E-09
5601	477906.31, 3849936.37	2.36E-05	7.44E-09	2.16E-09	2.89E-05	9.11E-09	2.65E-09	2.53E-05	7.99E-09	2.33E-09
5602	477987.89, 3849976.36	2.41E-05	7.60E-09	2.21E-09	2.95E-05	9.31E-09	2.71E-09	2.59E-05	8.17E-09	2.38E-09
5603	478069.47, 3850016.36	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.25E-09	2.69E-09	2.57E-05	8.11E-09	2.36E-09
5604	478151.04, 3850056.35	2.38E-05	7.52E-09	2.19E-09	2.92E-05	9.21E-09	2.68E-09	2.56E-05	8.08E-09	2.35E-09
5605	478232.62, 3850096.35	2.42E-05	7.63E-09	2.22E-09	2.96E-05	9.35E-09	2.72E-09	2.60E-05	8.20E-09	2.39E-09
5606	478314.2, 3850136.34	2.46E-05	7.76E-09	2.26E-09	3.01E-05	9.51E-09	2.77E-09	2.64E-05	8.34E-09	2.43E-09
5607	478395.77, 3850176.34	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.69E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
5608	478575.43, 3850244.45	2.61E-05	8.24E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.81E-05	8.86E-09	2.58E-09
5609	478665.06, 3850287.29	2.68E-05	8.46E-09	2.46E-09	3.29E-05	1.04E-08	3.02E-09	2.88E-05	9.10E-09	2.65E-09
5610	478754.69, 3850330.14	2.76E-05	8.70E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.96E-05	9.35E-09	2.72E-09
5611	478844.32, 3850372.99	2.84E-05	8.97E-09	2.61E-09	3.48E-05	1.10E-08	3.19E-09	3.05E-05	9.64E-09	2.80E-09
5612	478933.95, 3850415.84	2.94E-05	9.26E-09	2.69E-09	3.60E-05	1.13E-08	3.30E-09	3.15E-05	9.96E-09	2.90E-09
5613	479023.58, 3850458.68	3.00E-05	9.45E-09	2.75E-09	3.67E-05	1.16E-08	3.37E-09	3.22E-05	1.02E-08	2.96E-09
5614	479110.66, 3850441.91	3.08E-05	9.73E-09	2.83E-09	3.78E-05	1.19E-08	3.47E-09	3.31E-05	1.05E-08	3.04E-09
5615	479191.22, 3850423.99	3.16E-05	9.98E-09	2.90E-09	3.87E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
5616	479274.32, 3850465.71	3.24E-05	1.02E-08	2.98E-09	3.97E-05	1.25E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
5617	479357.43, 3850507.42	3.32E-05	1.05E-08	3.04E-09	4.06E-05	1.28E-08	3.73E-09	3.56E-05	1.12E-08	3.27E-09
5618	479440.53, 3850549.14	3.38E-05	1.07E-08	3.10E-09	4.14E-05	1.31E-08	3.80E-09	3.63E-05	1.15E-08	3.33E-09
5619	479523.64, 3850590.85	3.46E-05	1.09E-08	3.18E-09	4.24E-05	1.34E-08	3.89E-09	3.72E-05	1.17E-08	3.42E-09
5620	479606.74, 3850632.57	3.56E-05	1.12E-08	3.27E-09	4.36E-05	1.38E-08	4.00E-09	3.83E-05	1.21E-08	3.51E-09
5621	479777.37, 3850707.61	3.77E-05	1.19E-08	3.46E-09	4.62E-05	1.46E-08	4.24E-09	4.05E-05	1.28E-08	3.72E-09
5622	479864.9, 3850740.95	3.90E-05	1.23E-08	3.58E-09	4.78E-05	1.51E-08	4.39E-09	4.19E-05	1.32E-08	3.85E-09
5623	479931.87, 3850829.57	4.00E-05	1.26E-08	3.67E-09	4.89E-05	1.54E-08	4.49E-09	4.29E-05	1.36E-08	3.94E-09
5624	479995.55, 3850926.75	4.10E-05	1.29E-08	3.76E-09	5.02E-05	1.58E-08	4.61E-09	4.40E-05	1.39E-08	4.04E-09
5625	480079.78, 3850968.64	4.23E-05	1.33E-08	3.88E-09	5.18E-05	1.63E-08	4.76E-09	4.54E-05	1.43E-08	4.17E-09
5626	480164.01, 3851010.54	4.36E-05	1.38E-08	4.00E-09	5.34E-05	1.69E-08	4.90E-09	4.68E-05	1.48E-08	4.30E-09
5627	480248.23, 3851052.43	4.48E-05	1.42E-08	4.12E-09	5.49E-05	1.73E-08	5.04E-09	4.82E-05	1.52E-08	4.42E-09
5628	480332.46, 3851094.33	4.62E-05	1.46E-08	4.24E-09	5.65E-05	1.78E-08	5.19E-09	4.96E-05	1.57E-08	4.55E-09

5629	480416.69, 3851136.22	4.74E-05	1.50E-08	4.35E-09	5.81E-05	1.83E-08	5.33E-09	5.10E-05	1.61E-08	4.68E-09
5630	480579.95, 3851215.17	5.00E-05	1.58E-08	4.59E-09	6.13E-05	1.93E-08	5.62E-09	5.37E-05	1.70E-08	4.93E-09
5631	480658.98, 3851252.22	5.13E-05	1.62E-08	4.71E-09	6.28E-05	1.98E-08	5.77E-09	5.51E-05	1.74E-08	5.06E-09
5632	480817.36, 3851327.85	5.38E-05	1.70E-08	4.94E-09	6.59E-05	2.08E-08	6.05E-09	5.78E-05	1.83E-08	5.31E-09
5633	480896.72, 3851366.43	5.51E-05	1.74E-08	5.06E-09	6.75E-05	2.13E-08	6.20E-09	5.92E-05	1.87E-08	5.43E-09
5634	480976.07, 3851405	5.63E-05	1.78E-08	5.17E-09	6.90E-05	2.18E-08	6.33E-09	6.05E-05	1.91E-08	5.56E-09
5635	481178, 3851487.31	5.92E-05	1.87E-08	5.44E-09	7.26E-05	2.29E-08	6.66E-09	6.37E-05	2.01E-08	5.84E-09
5636	481244.9, 3851557.17	6.08E-05	1.92E-08	5.58E-09	7.45E-05	2.35E-08	6.84E-09	6.53E-05	2.06E-08	6.00E-09
5637	481311.81, 3851627.03	6.25E-05	1.97E-08	5.74E-09	7.65E-05	2.42E-08	7.03E-09	6.71E-05	2.12E-08	6.16E-09
5638	481378.71, 3851696.89	6.43E-05	2.03E-08	5.90E-09	7.87E-05	2.48E-08	7.23E-09	6.90E-05	2.18E-08	6.34E-09
5639	481445.61, 3851766.76	6.61E-05	2.09E-08	6.07E-09	8.10E-05	2.56E-08	7.43E-09	7.10E-05	2.24E-08	6.52E-09
5640	481512.51, 3851836.62	6.81E-05	2.15E-08	6.25E-09	8.34E-05	2.63E-08	7.66E-09	7.32E-05	2.31E-08	6.72E-09
5641	481579.42, 3851906.48	7.02E-05	2.22E-08	6.44E-09	8.60E-05	2.71E-08	7.89E-09	7.54E-05	2.38E-08	6.92E-09
5642	481646.32, 3851976.34	7.24E-05	2.29E-08	6.65E-09	8.87E-05	2.80E-08	8.14E-09	7.78E-05	2.46E-08	7.14E-09
5643	481713.22, 3852046.2	7.48E-05	2.36E-08	6.87E-09	9.17E-05	2.89E-08	8.42E-09	8.04E-05	2.54E-08	7.38E-09
5644	481780.12, 3852116.06	7.73E-05	2.44E-08	7.10E-09	9.47E-05	2.99E-08	8.69E-09	8.31E-05	2.62E-08	7.63E-09
5645	481847.03, 3852185.92	7.99E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.98E-09	8.58E-05	2.71E-08	7.88E-09
5646	481913.93, 3852255.78	8.25E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.28E-09	8.86E-05	2.80E-08	8.14E-09
5647	481980.83, 3852325.65	8.50E-05	2.68E-08	7.81E-09	1.04E-04	3.29E-08	9.56E-09	9.14E-05	2.88E-08	8.39E-09
5648	482047.73, 3852395.51	8.80E-05	2.78E-08	8.08E-09	1.08E-04	3.40E-08	9.90E-09	9.46E-05	2.99E-08	8.68E-09
5649	482114.64, 3852465.37	9.09E-05	2.87E-08	8.35E-09	1.11E-04	3.52E-08	1.02E-08	9.77E-05	3.08E-08	8.97E-09
5650	482181.54, 3852535.23	9.46E-05	2.99E-08	8.69E-09	1.16E-04	3.66E-08	1.06E-08	1.02E-04	3.21E-08	9.34E-09
5651	482338.69, 3852700.05	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
5652	482404.05, 3852767.78	1.08E-04	3.41E-08	9.93E-09	1.33E-04	4.18E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
5653	482469.4, 3852835.52	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
5654	482534.75, 3852903.25	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
5655	482600.11, 3852970.99	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
5656	482706.71, 3853119.28	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.89E-08	1.42E-08
5657	482747.96, 3853199.84	1.56E-04	4.94E-08	1.44E-08	1.92E-04	6.05E-08	1.76E-08	1.68E-04	5.31E-08	1.54E-08
5658	482789.21, 3853280.4	1.73E-04	5.45E-08	1.58E-08	2.11E-04	6.67E-08	1.94E-08	1.86E-04	5.86E-08	1.70E-08
5659	482830.46, 3853360.96	1.95E-04	6.17E-08	1.79E-08	2.39E-04	7.56E-08	2.20E-08	2.10E-04	6.63E-08	1.93E-08
5660	482871.71, 3853441.52	2.32E-04	7.33E-08	2.13E-08	2.85E-04	8.98E-08	2.61E-08	2.50E-04	7.89E-08	2.30E-08
5661	482912.95, 3853522.07	3.70E-04	1.17E-07	3.39E-08	4.53E-04	1.43E-07	4.16E-08	3.99E-04	1.26E-07	3.66E-08
5662	482954.2, 3853602.63	1.13E-03	3.56E-07	1.04E-07	1.38E-03	4.37E-07	1.27E-07	1.22E-03	3.85E-07	1.12E-07
5663	482995.45, 3853683.19	1.41E-03	4.44E-07	1.29E-07	1.72E-03	5.44E-07	1.58E-07	1.52E-03	4.79E-07	1.39E-07
5664	483036.7, 3853763.75	1.42E-03	4.50E-07	1.31E-07	1.75E-03	5.51E-07	1.60E-07	1.54E-03	4.85E-07	1.41E-07
5665	483214.2, 3853909.91	9.67E-04	3.05E-07	8.87E-08	1.18E-03	3.74E-07	1.09E-07	1.04E-03	3.29E-07	9.57E-08
5666	483307.01, 3853910.44	8.37E-04	2.64E-07	7.68E-08	1.03E-03	3.24E-07	9.41E-08	9.02E-04	2.85E-07	8.28E-08
5667	483399.83, 3853910.96	7.38E-04	2.33E-07	6.78E-08	9.04E-04	2.85E-07	8.30E-08	7.96E-04	2.51E-07	7.30E-08
5668	483494.52, 3854009.24	7.43E-04	2.34E-07	6.82E-08	9.10E-04	2.87E-07	8.36E-08	8.01E-04	2.53E-07	7.35E-08
5669	483496.41, 3854106.98	8.24E-04	2.60E-07	7.56E-08	1.01E-03	3.19E-07	9.27E-08	8.88E-04	2.80E-07	8.15E-08
5670	483577.56, 3854261.96	9.17E-04	2.90E-07	8.42E-08	1.12E-03	3.55E-07	1.03E-07	9.88E-04	3.12E-07	9.07E-08
5671	483656.83, 3854319.19	9.24E-04	2.92E-07	8.48E-08	1.13E-03	3.57E-07	1.04E-07	9.95E-04	3.14E-07	9.13E-08
5672	483736.1, 3854376.41	9.50E-04	3.00E-07	8.72E-08	1.16E-03	3.68E-07	1.07E-07	1.02E-03	3.23E-07	9.39E-08
5673	483815.37, 3854433.64	9.98E-04	3.15E-07	9.16E-08	1.22E-03	3.86E-07	1.12E-07	1.07E-03	3.39E-07	9.86E-08
5674	483894.63, 3854490.87	1.07E-03	3.37E-07	9.81E-08	1.31E-03	4.13E-07	1.20E-07	1.15E-03	3.63E-07	1.06E-07
5675	483973.9, 3854548.1	1.18E-03	3.73E-07	1.09E-07	1.45E-03	4.57E-07	1.33E-07	1.27E-03	4.02E-07	1.17E-07
5676	484053.17, 3854605.32	1.42E-03	4.48E-07	1.30E-07	1.74E-03	5.49E-07	1.60E-07	1.53E-03	4.82E-07	1.40E-07
5677	484214.97, 3854698.15	2.45E-03	7.73E-07	2.25E-07	3.00E-03	9.47E-07	2.75E-07	2.64E-03	8.32E-07	2.42E-07
5678	484297.5, 3854733.74	3.19E-03	1.01E-06	2.93E-07	3.91E-03	1.23E-06	3.59E-07	3.43E-03	1.08E-06	3.15E-07
5679	484380.03, 3854769.34	3.85E-03	1.22E-06	3.54E-07	4.72E-03	1.49E-06	4.33E-07	4.14E-03	1.31E-06	3.80E-07
5680	484462.56, 3854804.94	4.98E-03	1.57E-06	4.57E-07	6.11E-03	1.93E-06	5.61E-07	5.35E-03	1.69E-06	4.91E-07
5681	484545.09, 3854840.53	6.01E-03	1.90E-06	5.52E-07	7.37E-03	2.33E-06	6.76E-07	6.45E-03	2.04E-06	5.93E-07
5682	484691.88, 3854912.59	7.41E-03	2.34E-06	6.80E-07	9.08E-03	2.87E-06	8.34E-07	7.94E-03	2.50E-06	7.29E-07
5683	484830.81, 3855012.51	6.90E-03	2.18E-06	6.34E-07	8.46E-03	2.67E-06	7.76E-07	7.37E-03	2.33E-06	6.77E-07
5684	484905.48, 3855075.97	6.92E-03	2.19E-06	6.36E-07	8.48E-03	2.68E-06	7.79E-07	7.41E-03	2.34E-06	6.80E-07
5685	484980.14, 3855139.44	6.89E-03	2.17E-06	6.32E-07	8.44E-03	2.66E-06	7.75E-07	7.39E-03	2.33E-06	6.78E-07
5686	485054.81, 3855202.91	6.80E-03	2.15E-06	6.24E-07	8.33E-03	2.63E-06	7.64E-07	7.30E-03	2.31E-06	6.71E-07
5687	485129.48, 3855266.37	6.58E-03	2.08E-06	6.04E-07	8.06E-03	2.54E-06	7.40E-07	7.08E-03	2.24E-06	6.50E-07
5688	485204.15, 3855329.84	6.71E-03	2.12E-06	6.16E-07	8.22E-03	2.59E-06	7.54E-07	7.22E-03	2.28E-06	6.63E-07
5689	485278.82, 3855393.31	6.66E-03	2.10E-06	6.12E-07	8.16E-03	2.58E-06	7.49E-07	7.18E-03	2.27E-06	6.59E-07
5690	485353.48, 3855456.77	6.69E-03	2.11E-06	6.14E-07	8.19E-03	2.59E-06	7.52E-07	7.21E-03	2.28E-06	6.62E-07
5691	485428.15, 3855520.24	6.63E-03	2.09E-06	6.09E-07	8.12E-03	2.56E-06	7.45E-07	7.15E-03	2.26E-06	6.56E-07
5692	485502.82, 3855583.71	6.60E-03	2.08E-06	6.06E-07	8.08E-03	2.55E-06	7.42E-07	7.12E-03	2.25E-06	6.54E-07

5693	485577.49, 3855647.17	6.67E-03	2.11E-06	6.13E-07	8.17E-03	2.58E-06	7.50E-07	7.20E-03	2.27E-06	6.61E-07
5694	485652.16, 3855710.64	6.71E-03	2.12E-06	6.16E-07	8.23E-03	2.60E-06	7.55E-07	7.25E-03	2.29E-06	6.65E-07
5695	485726.83, 3855774.11	6.70E-03	2.11E-06	6.15E-07	8.20E-03	2.59E-06	7.53E-07	7.23E-03	2.28E-06	6.63E-07
5696	485801.49, 3855837.57	6.63E-03	2.09E-06	6.09E-07	8.12E-03	2.56E-06	7.45E-07	7.15E-03	2.26E-06	6.57E-07
5697	485876.16, 3855901.04	6.63E-03	2.09E-06	6.09E-07	8.13E-03	2.56E-06	7.46E-07	7.16E-03	2.26E-06	6.57E-07
5698	485950.83, 3855964.5	6.59E-03	2.08E-06	6.05E-07	8.07E-03	2.55E-06	7.41E-07	7.11E-03	2.25E-06	6.53E-07
5699	486025.5, 3856027.97	6.50E-03	2.05E-06	5.97E-07	7.96E-03	2.51E-06	7.31E-07	7.02E-03	2.21E-06	6.44E-07
5700	486100.17, 3856091.44	6.64E-03	2.09E-06	6.09E-07	8.13E-03	2.57E-06	7.46E-07	7.16E-03	2.26E-06	6.58E-07
5701	486174.83, 3856154.9	6.51E-03	2.05E-06	5.97E-07	7.97E-03	2.52E-06	7.32E-07	7.02E-03	2.22E-06	6.45E-07
5702	486249.5, 3856218.37	6.19E-03	1.96E-06	5.69E-07	7.59E-03	2.39E-06	6.97E-07	6.69E-03	2.11E-06	6.14E-07
5703	486324.17, 3856281.84	6.13E-03	1.93E-06	5.63E-07	7.51E-03	2.37E-06	6.89E-07	6.62E-03	2.09E-06	6.07E-07
5704	486398.84, 3856345.3	6.35E-03	2.00E-06	5.83E-07	7.78E-03	2.45E-06	7.14E-07	6.86E-03	2.16E-06	6.29E-07
5705	486473.51, 3856408.77	6.41E-03	2.02E-06	5.88E-07	7.85E-03	2.48E-06	7.21E-07	6.92E-03	2.18E-06	6.35E-07
5706	486548.17, 3856472.24	6.52E-03	2.06E-06	5.98E-07	7.98E-03	2.52E-06	7.33E-07	7.03E-03	2.22E-06	6.46E-07
5707	486622.84, 3856535.7	6.57E-03	2.07E-06	6.03E-07	8.05E-03	2.54E-06	7.39E-07	7.09E-03	2.24E-06	6.51E-07
5708	486765.48, 3856659.69	6.62E-03	2.09E-06	6.08E-07	8.11E-03	2.56E-06	7.44E-07	7.14E-03	2.26E-06	6.56E-07
5709	486833.44, 3856720.2	6.68E-03	2.11E-06	6.13E-07	8.18E-03	2.58E-06	7.51E-07	7.21E-03	2.27E-06	6.62E-07
5710	486901.41, 3856780.72	6.67E-03	2.11E-06	6.13E-07	8.17E-03	2.58E-06	7.50E-07	7.20E-03	2.27E-06	6.61E-07
5711	486969.38, 3856841.24	6.66E-03	2.10E-06	6.11E-07	8.15E-03	2.57E-06	7.48E-07	7.18E-03	2.27E-06	6.59E-07
5712	487037.34, 3856901.75	6.59E-03	2.08E-06	6.05E-07	8.08E-03	2.55E-06	7.41E-07	7.11E-03	2.24E-06	6.53E-07
5713	487271.23, 3856855.51	3.59E-03	1.13E-06	3.29E-07	4.39E-03	1.39E-06	4.03E-07	3.86E-03	1.22E-06	3.55E-07
5714	487368.96, 3856857.29	3.13E-03	9.88E-07	2.87E-07	3.83E-03	1.21E-06	3.52E-07	3.37E-03	1.06E-06	3.10E-07
5715	487466.68, 3856859.06	2.78E-03	8.76E-07	2.55E-07	3.40E-03	1.07E-06	3.12E-07	2.99E-03	9.43E-07	2.74E-07
5716	487636.44, 3856930	2.40E-03	7.56E-07	2.20E-07	2.93E-03	9.26E-07	2.69E-07	2.57E-03	8.11E-07	2.36E-07
5717	487709.57, 3856928.43	2.24E-03	7.07E-07	2.06E-07	2.74E-03	8.65E-07	2.52E-07	2.40E-03	7.58E-07	2.21E-07
5718	487782.55, 3856841.96	2.05E-03	6.46E-07	1.88E-07	2.51E-03	7.92E-07	2.30E-07	2.20E-03	6.95E-07	2.02E-07
5719	487849.83, 3856754.74	1.88E-03	5.94E-07	1.73E-07	2.30E-03	7.27E-07	2.11E-07	2.02E-03	6.39E-07	1.86E-07
5720	487918.03, 3856819.39	1.84E-03	5.80E-07	1.69E-07	2.25E-03	7.10E-07	2.07E-07	1.97E-03	6.23E-07	1.81E-07
5721	487918.8, 3856886.37	1.87E-03	5.92E-07	1.72E-07	2.30E-03	7.25E-07	2.11E-07	2.01E-03	6.35E-07	1.85E-07
5722	488065.47, 3857127.51	1.84E-03	5.80E-07	1.69E-07	2.25E-03	7.10E-07	2.06E-07	1.95E-03	6.17E-07	1.79E-07
5723	488192.19, 3857385.84	1.80E-03	5.67E-07	1.65E-07	2.20E-03	6.95E-07	2.02E-07	1.91E-03	6.03E-07	1.75E-07
5724	488191.22, 3857473.87	1.83E-03	5.79E-07	1.68E-07	2.25E-03	7.09E-07	2.06E-07	1.95E-03	6.16E-07	1.79E-07
5725	488190.24, 3857561.91	1.87E-03	5.91E-07	1.72E-07	2.29E-03	7.24E-07	2.11E-07	2.00E-03	6.31E-07	1.84E-07
5726	488158.35, 3857691.13	1.99E-03	6.27E-07	1.82E-07	2.43E-03	7.67E-07	2.23E-07	2.13E-03	6.71E-07	1.95E-07
5727	488208.37, 3857816.66	1.76E-03	5.56E-07	1.62E-07	2.16E-03	6.81E-07	1.98E-07	1.89E-03	5.97E-07	1.74E-07
5728	488271.97, 3857874.6	1.56E-03	4.93E-07	1.43E-07	1.91E-03	6.04E-07	1.76E-07	1.68E-03	5.29E-07	1.54E-07
5729	488463.56, 3857942.31	1.26E-03	3.99E-07	1.16E-07	1.55E-03	4.89E-07	1.42E-07	1.36E-03	4.28E-07	1.25E-07
5730	488554.83, 3857940.83	1.19E-03	3.75E-07	1.09E-07	1.45E-03	4.59E-07	1.33E-07	1.27E-03	4.02E-07	1.17E-07
5731	488646.1, 3857939.36	1.12E-03	3.53E-07	1.03E-07	1.37E-03	4.33E-07	1.26E-07	1.20E-03	3.79E-07	1.10E-07
5732	488737.37, 3857937.88	1.06E-03	3.35E-07	9.74E-08	1.30E-03	4.10E-07	1.19E-07	1.14E-03	3.59E-07	1.05E-07
5733	488733.59, 3857960.57	1.05E-03	3.33E-07	9.68E-08	1.29E-03	4.07E-07	1.18E-07	1.13E-03	3.57E-07	1.04E-07
5734	488638.09, 3857961.57	1.11E-03	3.52E-07	1.02E-07	1.36E-03	4.31E-07	1.25E-07	1.20E-03	3.78E-07	1.10E-07
5735	488542.6, 3857962.56	1.18E-03	3.74E-07	1.09E-07	1.45E-03	4.58E-07	1.33E-07	1.27E-03	4.01E-07	1.17E-07
5736	488447.1, 3857963.56	1.27E-03	4.00E-07	1.16E-07	1.55E-03	4.89E-07	1.42E-07	1.36E-03	4.29E-07	1.25E-07
5737	488254.28, 3857890.36	1.57E-03	4.95E-07	1.44E-07	1.92E-03	6.06E-07	1.76E-07	1.68E-03	5.32E-07	1.55E-07
5738	488191.69, 3857833.06	1.77E-03	5.60E-07	1.63E-07	2.17E-03	6.86E-07	1.99E-07	1.90E-03	6.01E-07	1.75E-07
5739	488129.5, 3857907.43	1.77E-03	5.58E-07	1.62E-07	2.16E-03	6.82E-07	1.99E-07	1.90E-03	5.99E-07	1.74E-07
5740	488196.47, 3857968.74	1.56E-03	4.92E-07	1.43E-07	1.91E-03	6.02E-07	1.75E-07	1.67E-03	5.28E-07	1.54E-07
5741	488263.44, 3858030.04	1.43E-03	4.50E-07	1.31E-07	1.75E-03	5.51E-07	1.60E-07	1.53E-03	4.84E-07	1.41E-07
5742	488400.64, 3858132.9	1.28E-03	4.04E-07	1.17E-07	1.57E-03	4.94E-07	1.44E-07	1.38E-03	4.34E-07	1.26E-07
5743	488519.89, 3858218.38	1.23E-03	3.87E-07	1.12E-07	1.50E-03	4.74E-07	1.38E-07	1.32E-03	4.16E-07	1.21E-07
5744	488647.97, 3858214.99	1.09E-03	3.45E-07	1.00E-07	1.34E-03	4.23E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
5745	488727.05, 3858167.67	1.02E-03	3.22E-07	9.38E-08	1.25E-03	3.95E-07	1.15E-07	1.10E-03	3.47E-07	1.01E-07
5746	488806.12, 3858120.35	9.73E-04	3.07E-07	8.94E-08	1.19E-03	3.76E-07	1.09E-07	1.05E-03	3.30E-07	9.60E-08
5747	488885.2, 3858073.03	9.40E-04	2.97E-07	8.63E-08	1.15E-03	3.63E-07	1.06E-07	1.01E-03	3.19E-07	9.27E-08
5748	489055.76, 3857991.18	8.87E-04	2.80E-07	8.15E-08	1.09E-03	3.43E-07	9.98E-08	9.52E-04	3.01E-07	8.74E-08
5749	489245.39, 3857944.55	8.34E-04	2.63E-07	7.65E-08	1.02E-03	3.22E-07	9.37E-08	8.94E-04	2.82E-07	8.21E-08
5750	489430.63, 3857930.91	7.78E-04	2.46E-07	7.15E-08	9.53E-04	3.01E-07	8.75E-08	8.35E-04	2.63E-07	7.66E-08
5751	489517.74, 3857929.36	7.54E-04	2.38E-07	6.92E-08	9.23E-04	2.91E-07	8.47E-08	8.08E-04	2.55E-07	7.42E-08
5752	489604.86, 3857927.82	7.30E-04	2.30E-07	6.70E-08	8.94E-04	2.82E-07	8.21E-08	7.83E-04	2.47E-07	7.19E-08
5753	489691.97, 3857926.28	7.08E-04	2.23E-07	6.50E-08	8.67E-04	2.74E-07	7.96E-08	7.59E-04	2.40E-07	6.97E-08
5754	489779.08, 3857924.73	6.87E-04	2.17E-07	6.31E-08	8.41E-04	2.66E-07	7.72E-08	7.37E-04	2.32E-07	6.76E-08
5755	490017.55, 3857875.09	6.43E-04	2.03E-07	5.90E-08	7.87E-04	2.48E-07	7.23E-08	6.89E-04	2.17E-07	6.32E-08
5756	490033.82, 3857960.81	6.25E-04	1.97E-07	5.73E-08	7.65E-04	2.41E-07	7.02E-08	6.70E-04	2.11E-07	6.15E-08

5757	489959.15, 3857987.49	6.35E-04	2.00E-07	5.83E-08	7.78E-04	2.46E-07	7.14E-08	6.81E-04	2.15E-07	6.25E-08
5758	489791.49, 3858016.12	6.66E-04	2.10E-07	6.12E-08	8.16E-04	2.57E-07	7.49E-08	7.15E-04	2.26E-07	6.56E-08
5759	489698.51, 3858018.07	6.87E-04	2.17E-07	6.31E-08	8.42E-04	2.66E-07	7.73E-08	7.37E-04	2.33E-07	6.77E-08
5760	489605.52, 3858020.02	7.10E-04	2.24E-07	6.52E-08	8.69E-04	2.74E-07	7.98E-08	7.61E-04	2.40E-07	6.99E-08
5761	489512.53, 3858021.96	7.34E-04	2.32E-07	6.73E-08	8.98E-04	2.84E-07	8.25E-08	7.87E-04	2.48E-07	7.22E-08
5762	489419.55, 3858023.91	7.59E-04	2.39E-07	6.96E-08	9.29E-04	2.93E-07	8.53E-08	8.14E-04	2.57E-07	7.47E-08
5763	489228.47, 3858041.29	8.13E-04	2.57E-07	7.46E-08	9.96E-04	3.14E-07	9.14E-08	8.73E-04	2.75E-07	8.01E-08
5764	489065.75, 3858085.78	8.59E-04	2.71E-07	7.89E-08	1.05E-03	3.32E-07	9.66E-08	9.23E-04	2.91E-07	8.47E-08
5765	489001.12, 3858114.86	8.79E-04	2.78E-07	8.07E-08	1.08E-03	3.40E-07	9.89E-08	9.45E-04	2.98E-07	8.67E-08
5766	488861.89, 3858189.81	9.41E-04	2.97E-07	8.64E-08	1.15E-03	3.64E-07	1.06E-07	1.01E-03	3.19E-07	9.29E-08
5767	488787.29, 3858235.69	9.95E-04	3.14E-07	9.13E-08	1.22E-03	3.85E-07	1.12E-07	1.07E-03	3.38E-07	9.83E-08
5768	488712.68, 3858281.57	1.07E-03	3.39E-07	9.85E-08	1.31E-03	4.15E-07	1.21E-07	1.16E-03	3.65E-07	1.06E-07
5769	488654.39, 3858436.17	1.36E-03	4.28E-07	1.25E-07	1.66E-03	5.25E-07	1.53E-07	1.46E-03	4.62E-07	1.34E-07
5770	488726.31, 3858505.26	1.37E-03	4.34E-07	1.26E-07	1.68E-03	5.31E-07	1.55E-07	1.48E-03	4.68E-07	1.36E-07
5771	488880.6, 3858599.28	1.27E-03	4.01E-07	1.16E-07	1.55E-03	4.91E-07	1.43E-07	1.37E-03	4.32E-07	1.26E-07
5772	489008.06, 3858714.75	1.25E-03	3.96E-07	1.15E-07	1.54E-03	4.85E-07	1.41E-07	1.35E-03	4.27E-07	1.24E-07
5773	489071.48, 3858772.72	1.19E-03	3.77E-07	1.10E-07	1.46E-03	4.62E-07	1.34E-07	1.29E-03	4.07E-07	1.18E-07
5774	489244.6, 3858920.2	6.64E-04	2.10E-07	6.10E-08	8.14E-04	2.57E-07	7.47E-08	7.16E-04	2.26E-07	6.57E-08
5775	489239.69, 3858952.23	6.05E-04	1.91E-07	5.56E-08	7.42E-04	2.34E-07	6.81E-08	6.52E-04	2.06E-07	5.99E-08
5776	489121.67, 3858854.49	9.96E-04	3.14E-07	9.14E-08	1.22E-03	3.85E-07	1.12E-07	1.07E-03	3.39E-07	9.86E-08
5777	489059.59, 3858797.27	1.25E-03	3.94E-07	1.15E-07	1.53E-03	4.83E-07	1.41E-07	1.35E-03	4.25E-07	1.24E-07
5778	488997.52, 3858740.04	1.34E-03	4.23E-07	1.23E-07	1.64E-03	5.18E-07	1.51E-07	1.45E-03	4.56E-07	1.33E-07
5779	488935.44, 3858682.82	1.35E-03	4.27E-07	1.24E-07	1.66E-03	5.23E-07	1.52E-07	1.46E-03	4.61E-07	1.34E-07
5780	488869.17, 3858848.43	3.28E-03	1.04E-06	3.01E-07	4.02E-03	1.27E-06	3.69E-07	3.54E-03	1.12E-06	3.25E-07
5781	488932.48, 3858892.69	1.58E-03	5.00E-07	1.45E-07	1.94E-03	6.13E-07	1.78E-07	1.71E-03	5.40E-07	1.57E-07
5782	489063.27, 3858977.17	6.20E-04	1.96E-07	5.69E-08	7.59E-04	2.40E-07	6.97E-08	6.68E-04	2.11E-07	6.13E-08
5783	489248.2, 3859117.15	3.68E-04	1.16E-07	3.38E-08	4.50E-04	1.42E-07	4.13E-08	3.96E-04	1.25E-07	3.63E-08
5784	489296.25, 3859049.22	4.39E-04	1.38E-07	4.03E-08	5.37E-04	1.70E-07	4.93E-08	4.72E-04	1.49E-07	4.33E-08
5785	489353.38, 3858993.97	4.95E-04	1.56E-07	4.54E-08	6.06E-04	1.91E-07	5.56E-08	5.33E-04	1.68E-07	4.89E-08
5786	489537.25, 3859120.22	3.53E-04	1.12E-07	3.25E-08	4.33E-04	1.37E-07	3.98E-08	3.80E-04	1.20E-07	3.49E-08
5787	489726.98, 3859246.04	2.82E-04	8.89E-08	2.59E-08	3.45E-04	1.09E-07	3.17E-08	3.03E-04	9.56E-08	2.78E-08
5788	489911.46, 3859366.33	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.11E-08	2.36E-08
5789	490035.3, 3859430.26	2.21E-04	6.96E-08	2.02E-08	2.70E-04	8.53E-08	2.48E-08	2.37E-04	7.48E-08	2.18E-08
5790	490101.11, 3859458.61	2.14E-04	6.74E-08	1.96E-08	2.62E-04	8.25E-08	2.40E-08	2.29E-04	7.24E-08	2.11E-08
5791	490312.68, 3859560.3	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.52E-08	1.90E-08
5792	490401.63, 3859603.12	1.85E-04	5.83E-08	1.69E-08	2.26E-04	7.13E-08	2.08E-08	1.98E-04	6.26E-08	1.82E-08
5793	490490.57, 3859645.94	1.78E-04	5.61E-08	1.63E-08	2.18E-04	6.87E-08	2.00E-08	1.91E-04	6.03E-08	1.75E-08
5794	490579.51, 3859688.76	1.72E-04	5.42E-08	1.58E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.82E-08	1.69E-08
5795	490668.45, 3859731.58	1.66E-04	5.25E-08	1.53E-08	2.04E-04	6.43E-08	1.87E-08	1.79E-04	5.64E-08	1.64E-08
5796	490757.4, 3859774.4	1.61E-04	5.07E-08	1.47E-08	1.97E-04	6.20E-08	1.80E-08	1.72E-04	5.44E-08	1.58E-08
5797	491003.53, 3859861.82	1.50E-04	4.75E-08	1.38E-08	1.84E-04	5.81E-08	1.69E-08	1.62E-04	5.10E-08	1.48E-08
5798	491081.41, 3859879.05	1.48E-04	4.68E-08	1.36E-08	1.82E-04	5.73E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
5799	491229.76, 3859917.82	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
5800	491300.22, 3859939.35	1.41E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
5801	491350.49, 3860012.03	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.44E-04	4.53E-08	1.32E-08
5802	491406.82, 3860092.57	1.26E-04	3.98E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.36E-04	4.28E-08	1.24E-08
5803	491483.37, 3860121.96	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
5804	491559.91, 3860151.36	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
5805	491711.81, 3860237.76	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
5806	491755.2, 3860319.07	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
5807	491704.71, 3860366.54	1.06E-04	3.35E-08	9.75E-09	1.30E-04	4.11E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
5808	491623.43, 3860462.39	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.89E-09
5809	491534.02, 3860439.85	1.05E-04	3.31E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
5810	491313.95, 3860268.18	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
5811	491187.12, 3860143.56	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
5812	491070.43, 3860075.97	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.31E-08	1.26E-08
5813	490995.09, 3860039.39	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
5814	490919.75, 3860002.8	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
5815	490756.81, 3859894.53	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.64E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
5816	490668.07, 3859860.92	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.77E-08	1.68E-08	1.60E-04	5.06E-08	1.47E-08
5817	490579.34, 3859827.3	1.53E-04	4.83E-08	1.41E-08	1.88E-04	5.92E-08	1.72E-08	1.64E-04	5.19E-08	1.51E-08
5818	490490.6, 3859793.68	1.57E-04	4.95E-08	1.44E-08	1.92E-04	6.06E-08	1.76E-08	1.68E-04	5.31E-08	1.55E-08
5819	490401.86, 3859760.07	1.61E-04	5.07E-08	1.47E-08	1.97E-04	6.21E-08	1.81E-08	1.73E-04	5.45E-08	1.58E-08
5820	490313.12, 3859726.45	1.65E-04	5.21E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.78E-04	5.60E-08	1.63E-08

5821	490224.39, 3859692.83	1.70E-04	5.37E-08	1.56E-08	2.09E-04	6.58E-08	1.91E-08	1.83E-04	5.77E-08	1.68E-08
5822	490135.65, 3859659.22	1.76E-04	5.55E-08	1.61E-08	2.15E-04	6.80E-08	1.98E-08	1.89E-04	5.97E-08	1.74E-08
5823	489918.19, 3859559.23	1.94E-04	6.13E-08	1.78E-08	2.38E-04	7.50E-08	2.18E-08	2.09E-04	6.58E-08	1.92E-08
5824	489743.61, 3859486	2.10E-04	6.63E-08	1.93E-08	2.57E-04	8.12E-08	2.36E-08	2.26E-04	7.12E-08	2.07E-08
5825	489660.32, 3859440.27	2.21E-04	6.97E-08	2.03E-08	2.70E-04	8.53E-08	2.48E-08	2.37E-04	7.49E-08	2.18E-08
5826	489577.04, 3859394.53	2.33E-04	7.36E-08	2.14E-08	2.85E-04	9.01E-08	2.62E-08	2.51E-04	7.91E-08	2.30E-08
5827	489493.75, 3859348.8	2.47E-04	7.80E-08	2.27E-08	3.03E-04	9.55E-08	2.78E-08	2.65E-04	8.38E-08	2.44E-08
5828	489321.28, 3859240.02	2.89E-04	9.14E-08	2.66E-08	3.55E-04	1.12E-07	3.26E-08	3.11E-04	9.82E-08	2.86E-08
5829	489235.41, 3859193.96	3.15E-04	9.93E-08	2.89E-08	3.86E-04	1.22E-07	3.54E-08	3.39E-04	1.07E-07	3.11E-08
5830	489149.54, 3859147.89	3.46E-04	1.09E-07	3.18E-08	4.24E-04	1.34E-07	3.89E-08	3.72E-04	1.17E-07	3.42E-08
5831	489063.68, 3859101.82	3.88E-04	1.22E-07	3.56E-08	4.75E-04	1.50E-07	4.36E-08	4.17E-04	1.32E-07	3.83E-08
5832	488977.81, 3859055.75	4.44E-04	1.40E-07	4.08E-08	5.44E-04	1.72E-07	5.00E-08	4.79E-04	1.51E-07	4.39E-08
5833	488891.94, 3859009.69	5.20E-04	1.64E-07	4.78E-08	6.37E-04	2.01E-07	5.85E-08	5.60E-04	1.77E-07	5.14E-08
5834	488808, 3859060.73	4.29E-04	1.35E-07	3.93E-08	5.25E-04	1.66E-07	4.82E-08	4.61E-04	1.46E-07	4.24E-08
5835	488809.93, 3859157.85	3.38E-04	1.07E-07	3.10E-08	4.14E-04	1.31E-07	3.80E-08	3.63E-04	1.15E-07	3.34E-08
5836	488811.86, 3859254.96	2.84E-04	8.97E-08	2.61E-08	3.48E-04	1.10E-07	3.20E-08	3.06E-04	9.64E-08	2.81E-08
5837	488813.78, 3859352.07	2.47E-04	7.81E-08	2.27E-08	3.03E-04	9.56E-08	2.78E-08	2.66E-04	8.40E-08	2.44E-08
5838	488815.71, 3859449.19	2.21E-04	6.97E-08	2.03E-08	2.70E-04	8.54E-08	2.48E-08	2.37E-04	7.49E-08	2.18E-08
5839	488910.04, 3859547.11	2.00E-04	6.33E-08	1.84E-08	2.46E-04	7.75E-08	2.25E-08	2.15E-04	6.80E-08	1.98E-08
5840	489002.45, 3859547.91	2.02E-04	6.36E-08	1.85E-08	2.47E-04	7.80E-08	2.27E-08	2.17E-04	6.84E-08	1.99E-08
5841	489094.85, 3859548.72	2.03E-04	6.40E-08	1.86E-08	2.49E-04	7.84E-08	2.28E-08	2.18E-04	6.88E-08	2.00E-08
5842	489230.05, 3859601.87	1.94E-04	6.14E-08	1.79E-08	2.38E-04	7.52E-08	2.19E-08	2.09E-04	6.60E-08	1.92E-08
5843	489227.52, 3859680.89	1.81E-04	5.71E-08	1.66E-08	2.22E-04	7.00E-08	2.03E-08	1.94E-04	6.14E-08	1.78E-08
5844	489133.47, 3859760.29	1.68E-04	5.31E-08	1.55E-08	2.06E-04	6.51E-08	1.89E-08	1.81E-04	5.71E-08	1.66E-08
5845	489041.96, 3859760.67	1.68E-04	5.29E-08	1.54E-08	2.05E-04	6.48E-08	1.88E-08	1.80E-04	5.68E-08	1.65E-08
5846	488950.45, 3859761.05	1.67E-04	5.26E-08	1.53E-08	2.04E-04	6.44E-08	1.87E-08	1.79E-04	5.65E-08	1.64E-08
5847	488858.94, 3859761.43	1.66E-04	5.23E-08	1.52E-08	2.03E-04	6.41E-08	1.86E-08	1.78E-04	5.62E-08	1.64E-08
5848	488767.43, 3859761.82	1.65E-04	5.20E-08	1.51E-08	2.02E-04	6.36E-08	1.85E-08	1.77E-04	5.58E-08	1.62E-08
5849	488675.92, 3859762.2	1.64E-04	5.18E-08	1.51E-08	2.01E-04	6.34E-08	1.84E-08	1.76E-04	5.56E-08	1.62E-08
5850	488584.41, 3859762.58	1.63E-04	5.15E-08	1.50E-08	2.00E-04	6.30E-08	1.83E-08	1.75E-04	5.53E-08	1.61E-08
5851	488492.9, 3859762.96	1.62E-04	5.12E-08	1.49E-08	1.99E-04	6.27E-08	1.82E-08	1.74E-04	5.50E-08	1.60E-08
5852	488402.76, 3859830.95	1.54E-04	4.85E-08	1.41E-08	1.88E-04	5.94E-08	1.73E-08	1.65E-04	5.21E-08	1.52E-08
5853	488404.14, 3859898.55	1.46E-04	4.60E-08	1.34E-08	1.79E-04	5.64E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
5854	488505.18, 3859964.96	1.40E-04	4.42E-08	1.29E-08	1.71E-04	5.41E-08	1.57E-08	1.50E-04	4.75E-08	1.38E-08
5855	488604.85, 3859963.76	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.44E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
5856	488704.51, 3859962.56	1.42E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
5857	488804.18, 3859961.37	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.41E-08
5858	488903.85, 3859960.17	1.44E-04	4.53E-08	1.32E-08	1.76E-04	5.55E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
5859	489003.52, 3859958.97	1.45E-04	4.56E-08	1.33E-08	1.77E-04	5.59E-08	1.62E-08	1.55E-04	4.90E-08	1.43E-08
5860	489103.18, 3859957.77	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.62E-08	1.63E-08	1.56E-04	4.93E-08	1.43E-08
5861	489201.48, 3860046.59	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
5862	489200.11, 3860136.61	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
5863	489198.74, 3860226.63	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.75E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
5864	489197.38, 3860316.66	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
5865	489196.01, 3860406.68	1.11E-04	3.49E-08	1.02E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
5866	489194.64, 3860496.7	1.05E-04	3.31E-08	9.63E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.03E-08
5867	489193.27, 3860586.72	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
5868	489092.02, 3860678.13	9.50E-05	3.00E-08	8.72E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.22E-08	9.36E-09
5869	488992.13, 3860679.53	9.43E-05	2.98E-08	8.65E-09	1.15E-04	3.64E-08	1.06E-08	1.01E-04	3.20E-08	9.30E-09
5870	488892.25, 3860680.92	9.38E-05	2.96E-08	8.61E-09	1.15E-04	3.63E-08	1.05E-08	1.01E-04	3.18E-08	9.25E-09
5871	488792.36, 3860682.31	9.34E-05	2.95E-08	8.57E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.17E-08	9.21E-09
5872	488692.48, 3860683.7	9.32E-05	2.94E-08	8.56E-09	1.14E-04	3.60E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
5873	488592.59, 3860685.1	9.28E-05	2.93E-08	8.52E-09	1.14E-04	3.59E-08	1.04E-08	9.97E-05	3.15E-08	9.16E-09
5874	488492.71, 3860686.49	9.33E-05	2.94E-08	8.56E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
5875	488299.07, 3860762.18	9.19E-05	2.90E-08	8.44E-09	1.13E-04	3.55E-08	1.03E-08	9.87E-05	3.12E-08	9.06E-09
5876	488205.32, 3860764.09	9.13E-05	2.88E-08	8.38E-09	1.12E-04	3.53E-08	1.03E-08	9.81E-05	3.09E-08	9.00E-09
5877	488111.56, 3860766	9.04E-05	2.85E-08	8.30E-09	1.11E-04	3.49E-08	1.02E-08	9.71E-05	3.06E-08	8.91E-09
5878	488017.81, 3860767.91	8.95E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
5879	487924.06, 3860769.81	8.88E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.54E-05	3.01E-08	8.76E-09
5880	487830.31, 3860771.72	8.83E-05	2.79E-08	8.11E-09	1.08E-04	3.41E-08	9.93E-09	9.49E-05	2.99E-08	8.71E-09
5881	487736.55, 3860773.63	8.80E-05	2.78E-08	8.08E-09	1.08E-04	3.40E-08	9.90E-09	9.46E-05	2.99E-08	8.69E-09
5882	487642.8, 3860775.54	8.81E-05	2.78E-08	8.09E-09	1.08E-04	3.41E-08	9.91E-09	9.47E-05	2.99E-08	8.69E-09
5883	487549.48, 3860684.71	9.20E-05	2.90E-08	8.45E-09	1.13E-04	3.56E-08	1.03E-08	9.89E-05	3.12E-08	9.08E-09
5884	487549.91, 3860591.97	9.55E-05	3.01E-08	8.77E-09	1.17E-04	3.69E-08	1.07E-08	1.03E-04	3.24E-08	9.42E-09

5885	487550.34, 3860499.23	9.98E-05	3.15E-08	9.16E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.84E-09
5886	487550.76, 3860406.49	1.05E-04	3.30E-08	9.60E-09	1.28E-04	4.04E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
5887	487551.19, 3860313.75	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
5888	487551.62, 3860221.01	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
5889	487552.05, 3860128.27	1.21E-04	3.83E-08	1.11E-08	1.48E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
5890	487552.48, 3860035.53	1.28E-04	4.04E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.38E-04	4.34E-08	1.26E-08
5891	487552.91, 3859942.79	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.19E-08	1.51E-08	1.44E-04	4.56E-08	1.33E-08
5892	487553.33, 3859850.05	1.43E-04	4.51E-08	1.31E-08	1.75E-04	5.52E-08	1.61E-08	1.53E-04	4.84E-08	1.41E-08
5893	487553.76, 3859757.31	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
5894	487554.19, 3859664.57	1.60E-04	5.06E-08	1.47E-08	1.96E-04	6.20E-08	1.80E-08	1.72E-04	5.44E-08	1.58E-08
5895	487460.2, 3859571.05	1.69E-04	5.33E-08	1.55E-08	2.07E-04	6.53E-08	1.90E-08	1.82E-04	5.73E-08	1.67E-08
5896	487365.78, 3859570.27	1.68E-04	5.29E-08	1.54E-08	2.05E-04	6.48E-08	1.89E-08	1.80E-04	5.69E-08	1.65E-08
5897	487271.36, 3859569.48	1.66E-04	5.25E-08	1.53E-08	2.04E-04	6.43E-08	1.87E-08	1.79E-04	5.64E-08	1.64E-08
5898	487176.94, 3859568.7	1.65E-04	5.21E-08	1.52E-08	2.02E-04	6.38E-08	1.86E-08	1.77E-04	5.60E-08	1.63E-08
5899	487082.51, 3859567.92	1.64E-04	5.17E-08	1.51E-08	2.01E-04	6.34E-08	1.84E-08	1.76E-04	5.56E-08	1.62E-08
5900	486988.09, 3859567.14	1.63E-04	5.14E-08	1.49E-08	1.99E-04	6.29E-08	1.83E-08	1.75E-04	5.52E-08	1.60E-08
5901	486893.67, 3859566.36	1.62E-04	5.10E-08	1.48E-08	1.98E-04	6.25E-08	1.82E-08	1.74E-04	5.48E-08	1.59E-08
5902	486799.25, 3859565.58	1.61E-04	5.07E-08	1.47E-08	1.97E-04	6.20E-08	1.80E-08	1.72E-04	5.44E-08	1.58E-08
5903	486704.83, 3859564.79	1.59E-04	5.03E-08	1.46E-08	1.95E-04	6.16E-08	1.79E-08	1.71E-04	5.40E-08	1.57E-08
5904	486610.41, 3859564.01	1.58E-04	5.00E-08	1.45E-08	1.94E-04	6.12E-08	1.78E-08	1.70E-04	5.37E-08	1.56E-08
5905	486515.99, 3859563.23	1.57E-04	4.95E-08	1.44E-08	1.92E-04	6.06E-08	1.76E-08	1.68E-04	5.31E-08	1.54E-08
5906	486421.57, 3859562.45	1.55E-04	4.90E-08	1.43E-08	1.90E-04	6.00E-08	1.75E-08	1.67E-04	5.26E-08	1.53E-08
5907	486327.14, 3859561.67	1.54E-04	4.87E-08	1.42E-08	1.89E-04	5.96E-08	1.73E-08	1.66E-04	5.23E-08	1.52E-08
5908	486232.72, 3859560.89	1.53E-04	4.82E-08	1.40E-08	1.87E-04	5.90E-08	1.72E-08	1.64E-04	5.17E-08	1.50E-08
5909	486138.3, 3859560.1	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.85E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
5910	486043.88, 3859559.32	1.50E-04	4.72E-08	1.37E-08	1.83E-04	5.78E-08	1.68E-08	1.61E-04	5.07E-08	1.48E-08
5911	485949.35, 3859463.54	1.55E-04	4.89E-08	1.42E-08	1.90E-04	5.99E-08	1.74E-08	1.66E-04	5.25E-08	1.53E-08
5912	485949.24, 3859368.55	1.63E-04	5.14E-08	1.49E-08	1.99E-04	6.29E-08	1.83E-08	1.75E-04	5.51E-08	1.60E-08
5913	485949.12, 3859273.55	1.71E-04	5.40E-08	1.57E-08	2.10E-04	6.62E-08	1.93E-08	1.84E-04	5.80E-08	1.69E-08
5914	485949.01, 3859178.56	1.80E-04	5.69E-08	1.65E-08	2.21E-04	6.96E-08	2.03E-08	1.93E-04	6.10E-08	1.78E-08
5915	485948.9, 3859083.56	1.90E-04	6.00E-08	1.75E-08	2.33E-04	7.35E-08	2.14E-08	2.04E-04	6.45E-08	1.87E-08
5916	485948.79, 3858988.56	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.74E-08	2.25E-08	2.15E-04	6.79E-08	1.97E-08
5917	485948.67, 3858893.57	2.11E-04	6.67E-08	1.94E-08	2.59E-04	8.16E-08	2.37E-08	2.27E-04	7.16E-08	2.08E-08
5918	485948.56, 3858798.57	2.24E-04	7.08E-08	2.06E-08	2.75E-04	8.67E-08	2.52E-08	2.41E-04	7.60E-08	2.21E-08
5919	485948.45, 3858703.58	2.37E-04	7.47E-08	2.17E-08	2.90E-04	9.14E-08	2.66E-08	2.54E-04	8.02E-08	2.33E-08
5920	485948.34, 3858608.58	2.52E-04	7.94E-08	2.31E-08	3.08E-04	9.72E-08	2.83E-08	2.70E-04	8.52E-08	2.48E-08
5921	485948.22, 3858513.59	2.68E-04	8.45E-08	2.46E-08	3.28E-04	1.03E-07	3.01E-08	2.87E-04	9.07E-08	2.64E-08
5922	485948.11, 3858418.59	2.85E-04	8.98E-08	2.61E-08	3.48E-04	1.10E-07	3.20E-08	3.05E-04	9.64E-08	2.80E-08
5923	485948, 3858323.59	3.04E-04	9.61E-08	2.79E-08	3.73E-04	1.18E-07	3.42E-08	3.27E-04	1.03E-07	3.00E-08
5924	485947.89, 3858228.6	3.25E-04	1.02E-07	2.98E-08	3.98E-04	1.26E-07	3.65E-08	3.49E-04	1.10E-07	3.20E-08
5925	485947.77, 3858133.6	3.47E-04	1.10E-07	3.19E-08	4.25E-04	1.34E-07	3.90E-08	3.73E-04	1.18E-07	3.42E-08
5926	485947.66, 3858038.61	3.76E-04	1.19E-07	3.45E-08	4.60E-04	1.45E-07	4.23E-08	4.03E-04	1.27E-07	3.70E-08
5927	485854.54, 3857943.35	3.86E-04	1.22E-07	3.55E-08	4.73E-04	1.49E-07	4.34E-08	4.15E-04	1.31E-07	3.81E-08
5928	485761.52, 3857943.09	3.71E-04	1.17E-07	3.41E-08	4.55E-04	1.44E-07	4.18E-08	3.99E-04	1.26E-07	3.66E-08
5929	485668.51, 3857942.83	3.59E-04	1.13E-07	3.29E-08	4.39E-04	1.39E-07	4.03E-08	3.85E-04	1.22E-07	3.53E-08
5930	485575.5, 3857942.56	3.45E-04	1.09E-07	3.17E-08	4.23E-04	1.34E-07	3.88E-08	3.71E-04	1.17E-07	3.40E-08
5931	485482.48, 3857942.3	3.34E-04	1.05E-07	3.07E-08	4.09E-04	1.29E-07	3.76E-08	3.59E-04	1.13E-07	3.29E-08
5932	485389.47, 3857942.04	3.23E-04	1.02E-07	2.97E-08	3.96E-04	1.25E-07	3.64E-08	3.47E-04	1.10E-07	3.19E-08
5933	485296.46, 3857941.78	3.13E-04	9.89E-08	2.88E-08	3.84E-04	1.21E-07	3.52E-08	3.36E-04	1.06E-07	3.09E-08
5934	485203.45, 3857941.52	3.05E-04	9.62E-08	2.80E-08	3.73E-04	1.18E-07	3.43E-08	3.27E-04	1.03E-07	3.01E-08
5935	485110.43, 3857941.26	2.95E-04	9.33E-08	2.71E-08	3.62E-04	1.14E-07	3.32E-08	3.17E-04	1.00E-07	2.91E-08
5936	485017.42, 3857940.99	2.86E-04	9.03E-08	2.63E-08	3.50E-04	1.11E-07	3.22E-08	3.07E-04	9.70E-08	2.82E-08
5937	484924.41, 3857940.73	2.77E-04	8.74E-08	2.54E-08	3.39E-04	1.07E-07	3.12E-08	2.98E-04	9.40E-08	2.73E-08
5938	484831.39, 3857940.47	2.69E-04	8.50E-08	2.47E-08	3.30E-04	1.04E-07	3.03E-08	2.89E-04	9.13E-08	2.66E-08
5939	484738.12, 3857859.3	2.72E-04	8.59E-08	2.50E-08	3.33E-04	1.05E-07	3.06E-08	2.93E-04	9.23E-08	2.69E-08
5940	484737.85, 3857778.4	2.84E-04	8.97E-08	2.61E-08	3.48E-04	1.10E-07	3.20E-08	3.06E-04	9.64E-08	2.81E-08
5941	484737.59, 3857697.49	2.97E-04	9.36E-08	2.72E-08	3.63E-04	1.15E-07	3.33E-08	3.19E-04	1.01E-07	2.93E-08
5942	484737.32, 3857616.59	3.09E-04	9.75E-08	2.84E-08	3.78E-04	1.19E-07	3.47E-08	3.32E-04	1.05E-07	3.05E-08
5943	484645.53, 3857535.18	3.12E-04	9.85E-08	2.86E-08	3.82E-04	1.21E-07	3.51E-08	3.35E-04	1.06E-07	3.08E-08
5944	484553.99, 3857534.67	3.02E-04	9.52E-08	2.77E-08	3.69E-04	1.17E-07	3.39E-08	3.24E-04	1.02E-07	2.98E-08
5945	484462.46, 3857534.17	2.93E-04	9.24E-08	2.69E-08	3.58E-04	1.13E-07	3.29E-08	3.15E-04	9.93E-08	2.89E-08
5946	484370.93, 3857533.66	2.84E-04	8.96E-08	2.61E-08	3.48E-04	1.10E-07	3.19E-08	3.05E-04	9.63E-08	2.80E-08
5947	484279.4, 3857533.16	2.76E-04	8.70E-08	2.53E-08	3.38E-04	1.07E-07	3.10E-08	2.96E-04	9.36E-08	2.72E-08
5948	484187.86, 3857532.65	2.68E-04	8.44E-08	2.46E-08	3.28E-04	1.03E-07	3.01E-08	2.88E-04	9.08E-08	2.64E-08

5949	484096.33, 3857532.15	2.60E-04	8.22E-08	2.39E-08	3.19E-04	1.01E-07	2.93E-08	2.80E-04	8.83E-08	2.57E-08
5950	484004.8, 3857531.64	2.52E-04	7.97E-08	2.32E-08	3.09E-04	9.76E-08	2.84E-08	2.71E-04	8.57E-08	2.49E-08
5951	483913.27, 3857531.14	2.44E-04	7.71E-08	2.24E-08	2.99E-04	9.44E-08	2.75E-08	2.62E-04	8.28E-08	2.41E-08
5952	483821.73, 3857530.63	2.37E-04	7.48E-08	2.17E-08	2.90E-04	9.16E-08	2.66E-08	2.55E-04	8.04E-08	2.34E-08
5953	483729.61, 3857450.11	2.37E-04	7.49E-08	2.18E-08	2.91E-04	9.17E-08	2.67E-08	2.55E-04	8.05E-08	2.34E-08
5954	483729.03, 3857370.08	2.46E-04	7.77E-08	2.26E-08	3.01E-04	9.51E-08	2.77E-08	2.65E-04	8.35E-08	2.43E-08
5955	483728.44, 3857290.06	2.54E-04	8.03E-08	2.33E-08	3.11E-04	9.83E-08	2.86E-08	2.73E-04	8.63E-08	2.51E-08
5956	483727.86, 3857210.03	2.62E-04	8.28E-08	2.41E-08	3.21E-04	1.01E-07	2.95E-08	2.82E-04	8.90E-08	2.59E-08
5957	483641.15, 3857129.07	2.63E-04	8.31E-08	2.42E-08	3.22E-04	1.02E-07	2.96E-08	2.83E-04	8.93E-08	2.60E-08
5958	483555.03, 3857128.14	2.55E-04	8.05E-08	2.34E-08	3.12E-04	9.86E-08	2.87E-08	2.74E-04	8.65E-08	2.52E-08
5959	483468.91, 3857127.2	2.46E-04	7.76E-08	2.26E-08	3.01E-04	9.50E-08	2.76E-08	2.64E-04	8.34E-08	2.43E-08
5960	483382.78, 3857126.26	2.39E-04	7.55E-08	2.20E-08	2.93E-04	9.25E-08	2.69E-08	2.57E-04	8.12E-08	2.36E-08
5961	483296.66, 3857125.32	2.32E-04	7.32E-08	2.13E-08	2.84E-04	8.97E-08	2.61E-08	2.49E-04	7.87E-08	2.29E-08
5962	483210.54, 3857124.39	2.25E-04	7.09E-08	2.06E-08	2.75E-04	8.68E-08	2.53E-08	2.41E-04	7.62E-08	2.22E-08
5963	483123.4, 3857030.96	2.25E-04	7.09E-08	2.06E-08	2.75E-04	8.69E-08	2.53E-08	2.41E-04	7.62E-08	2.22E-08
5964	483122.38, 3856938.46	2.33E-04	7.34E-08	2.14E-08	2.85E-04	8.99E-08	2.62E-08	2.50E-04	7.89E-08	2.29E-08
5965	483121.35, 3856845.97	2.41E-04	7.60E-08	2.21E-08	2.95E-04	9.31E-08	2.71E-08	2.59E-04	8.17E-08	2.38E-08
5966	483120.33, 3856753.47	2.47E-04	7.81E-08	2.27E-08	3.03E-04	9.56E-08	2.78E-08	2.66E-04	8.39E-08	2.44E-08
5967	483119.31, 3856660.98	2.54E-04	8.02E-08	2.33E-08	3.11E-04	9.82E-08	2.86E-08	2.73E-04	8.61E-08	2.51E-08
5968	483118.29, 3856568.49	2.62E-04	8.26E-08	2.40E-08	3.21E-04	1.01E-07	2.94E-08	2.81E-04	8.87E-08	2.58E-08
5969	483117.26, 3856475.99	2.70E-04	8.53E-08	2.48E-08	3.31E-04	1.04E-07	3.04E-08	2.90E-04	9.16E-08	2.66E-08
5970	483116.24, 3856383.5	2.78E-04	8.78E-08	2.55E-08	3.41E-04	1.07E-07	3.13E-08	2.99E-04	9.43E-08	2.74E-08
5971	483115.22, 3856291.01	2.86E-04	9.04E-08	2.63E-08	3.51E-04	1.11E-07	3.22E-08	3.08E-04	9.71E-08	2.82E-08
5972	483114.2, 3856198.51	2.94E-04	9.28E-08	2.70E-08	3.60E-04	1.14E-07	3.31E-08	3.16E-04	9.97E-08	2.90E-08
5973	483113.17, 3856106.02	3.04E-04	9.60E-08	2.79E-08	3.73E-04	1.18E-07	3.42E-08	3.27E-04	1.03E-07	3.00E-08
5974	483112.15, 3856013.52	3.13E-04	9.88E-08	2.87E-08	3.83E-04	1.21E-07	3.52E-08	3.36E-04	1.06E-07	3.09E-08
5975	483029.25, 3855920.47	3.10E-04	9.79E-08	2.85E-08	3.80E-04	1.20E-07	3.49E-08	3.33E-04	1.05E-07	3.06E-08
5976	482947.37, 3855919.91	2.98E-04	9.39E-08	2.73E-08	3.65E-04	1.15E-07	3.35E-08	3.20E-04	1.01E-07	2.93E-08
5977	482865.49, 3855919.36	2.85E-04	9.01E-08	2.62E-08	3.50E-04	1.10E-07	3.21E-08	3.06E-04	9.67E-08	2.81E-08
5978	482783.61, 3855918.8	2.75E-04	8.68E-08	2.52E-08	3.37E-04	1.06E-07	3.09E-08	2.95E-04	9.32E-08	2.71E-08
5979	482700.33, 3855818.39	2.72E-04	8.58E-08	2.50E-08	3.33E-04	1.05E-07	3.06E-08	2.92E-04	9.21E-08	2.68E-08
5980	482698.92, 3855718.54	2.80E-04	8.83E-08	2.57E-08	3.43E-04	1.08E-07	3.15E-08	3.00E-04	9.47E-08	2.76E-08
5981	482697.52, 3855618.68	2.86E-04	9.02E-08	2.62E-08	3.50E-04	1.11E-07	3.22E-08	3.07E-04	9.68E-08	2.82E-08
5982	482696.11, 3855518.83	2.93E-04	9.25E-08	2.69E-08	3.59E-04	1.13E-07	3.30E-08	3.15E-04	9.93E-08	2.89E-08
5983	482694.71, 3855418.98	2.98E-04	9.41E-08	2.74E-08	3.65E-04	1.15E-07	3.35E-08	3.20E-04	1.01E-07	2.94E-08
5984	482693.3, 3855319.13	3.03E-04	9.57E-08	2.78E-08	3.72E-04	1.17E-07	3.41E-08	3.26E-04	1.03E-07	2.99E-08
5985	482691.9, 3855219.27	3.10E-04	9.79E-08	2.85E-08	3.80E-04	1.20E-07	3.49E-08	3.33E-04	1.05E-07	3.06E-08
5986	482690.49, 3855119.42	3.16E-04	9.99E-08	2.91E-08	3.88E-04	1.22E-07	3.56E-08	3.40E-04	1.07E-07	3.12E-08
5987	482689.09, 3855019.57	3.27E-04	1.03E-07	3.00E-08	4.01E-04	1.27E-07	3.68E-08	3.51E-04	1.11E-07	3.23E-08
5988	482687.68, 3854919.72	3.36E-04	1.06E-07	3.09E-08	4.12E-04	1.30E-07	3.78E-08	3.61E-04	1.14E-07	3.31E-08
5989	482686.28, 3854819.86	3.49E-04	1.10E-07	3.20E-08	4.27E-04	1.35E-07	3.92E-08	3.74E-04	1.18E-07	3.44E-08
5990	482684.88, 3854720.01	3.58E-04	1.13E-07	3.29E-08	4.39E-04	1.38E-07	4.03E-08	3.85E-04	1.21E-07	3.53E-08
5991	482683.47, 3854620.16	3.74E-04	1.18E-07	3.44E-08	4.59E-04	1.45E-07	4.21E-08	4.02E-04	1.27E-07	3.69E-08
5992	482682.07, 3854520.31	3.88E-04	1.23E-07	3.57E-08	4.76E-04	1.50E-07	4.37E-08	4.18E-04	1.32E-07	3.83E-08
5993	482680.66, 3854420.45	4.02E-04	1.27E-07	3.69E-08	4.93E-04	1.56E-07	4.53E-08	4.33E-04	1.37E-07	3.98E-08
5994	482679.26, 3854320.6	4.13E-04	1.30E-07	3.79E-08	5.06E-04	1.60E-07	4.65E-08	4.45E-04	1.40E-07	4.08E-08
5995	482677.85, 3854220.75	4.36E-04	1.38E-07	4.01E-08	5.35E-04	1.69E-07	4.91E-08	4.70E-04	1.48E-07	4.31E-08
5996	482676.45, 3854120.9	4.34E-04	1.37E-07	3.99E-08	5.32E-04	1.68E-07	4.89E-08	4.68E-04	1.48E-07	4.30E-08
5997	482675.04, 3854021.04	4.36E-04	1.38E-07	4.00E-08	5.34E-04	1.69E-07	4.90E-08	4.70E-04	1.48E-07	4.31E-08
5998	482673.64, 3853921.19	4.35E-04	1.37E-07	3.99E-08	5.33E-04	1.68E-07	4.89E-08	4.69E-04	1.48E-07	4.30E-08
5999	482672.23, 3853821.34	4.41E-04	1.39E-07	4.05E-08	5.40E-04	1.70E-07	4.96E-08	4.75E-04	1.50E-07	4.36E-08
6000	482670.83, 3853721.49	4.33E-04	1.37E-07	3.98E-08	5.31E-04	1.68E-07	4.87E-08	4.67E-04	1.47E-07	4.29E-08
6001	482669.42, 3853621.63	3.84E-04	1.21E-07	3.53E-08	4.71E-04	1.49E-07	4.32E-08	4.14E-04	1.31E-07	3.80E-08
6002	482645.99, 3853446.13	2.23E-04	7.04E-08	2.05E-08	2.73E-04	8.63E-08	2.51E-08	2.40E-04	7.58E-08	2.20E-08
6003	482623.97, 3853370.49	1.88E-04	5.95E-08	1.73E-08	2.31E-04	7.29E-08	2.12E-08	2.03E-04	6.40E-08	1.86E-08
6004	482601.94, 3853294.84	1.67E-04	5.26E-08	1.53E-08	2.04E-04	6.44E-08	1.87E-08	1.79E-04	5.66E-08	1.65E-08
6005	482531.29, 3853133.44	1.39E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.73E-08	1.37E-08
6006	482482.68, 3853047.69	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.03E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
6007	482383.09, 3852897.4	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.25E-04	3.93E-08	1.14E-08
6008	482265.64, 3852765.26	1.06E-04	3.34E-08	9.72E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
6009	482199.16, 3852697.66	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
6010	482132.69, 3852630.07	9.74E-05	3.07E-08	8.94E-09	1.19E-04	3.76E-08	1.09E-08	1.05E-04	3.30E-08	9.60E-09
6011	482066.21, 3852562.48	9.36E-05	2.95E-08	8.59E-09	1.15E-04	3.62E-08	1.05E-08	1.01E-04	3.17E-08	9.23E-09
6012	481999.74, 3852494.89	9.00E-05	2.84E-08	8.26E-09	1.10E-04	3.48E-08	1.01E-08	9.67E-05	3.05E-08	8.87E-09

6013	481933.26, 3852427.29	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.31E-05	2.94E-08	8.55E-09
6014	481866.79, 3852359.7	8.37E-05	2.64E-08	7.68E-09	1.03E-04	3.24E-08	9.41E-09	8.99E-05	2.84E-08	8.26E-09
6015	481800.31, 3852292.11	8.10E-05	2.56E-08	7.44E-09	9.92E-05	3.13E-08	9.11E-09	8.70E-05	2.75E-08	7.99E-09
6016	481733.84, 3852224.52	7.84E-05	2.48E-08	7.20E-09	9.61E-05	3.03E-08	8.82E-09	8.43E-05	2.66E-08	7.74E-09
6017	481667.36, 3852156.92	7.61E-05	2.40E-08	6.99E-09	9.32E-05	2.94E-08	8.56E-09	8.18E-05	2.58E-08	7.51E-09
6018	481600.89, 3852089.33	7.36E-05	2.32E-08	6.76E-09	9.02E-05	2.85E-08	8.28E-09	7.91E-05	2.50E-08	7.26E-09
6019	481534.41, 3852021.74	7.13E-05	2.25E-08	6.54E-09	8.73E-05	2.76E-08	8.02E-09	7.66E-05	2.42E-08	7.03E-09
6020	481467.94, 3851954.15	6.91E-05	2.18E-08	6.35E-09	8.47E-05	2.67E-08	7.77E-09	7.43E-05	2.34E-08	6.82E-09
6021	481401.46, 3851886.55	6.72E-05	2.12E-08	6.17E-09	8.23E-05	2.60E-08	7.56E-09	7.22E-05	2.28E-08	6.63E-09
6022	481265.87, 3851761.43	6.35E-05	2.00E-08	5.83E-09	7.78E-05	2.46E-08	7.14E-09	6.83E-05	2.15E-08	6.27E-09
6023	481196.74, 3851703.89	6.19E-05	1.95E-08	5.68E-09	7.58E-05	2.39E-08	6.96E-09	6.65E-05	2.10E-08	6.11E-09
6024	481076.33, 3851619.05	5.93E-05	1.87E-08	5.45E-09	7.27E-05	2.29E-08	6.67E-09	6.38E-05	2.01E-08	5.85E-09
6025	480939.8, 3851549.07	5.68E-05	1.79E-08	5.22E-09	6.96E-05	2.20E-08	6.39E-09	6.11E-05	1.93E-08	5.61E-09
6026	480854.56, 3851506.41	5.52E-05	1.74E-08	5.07E-09	6.77E-05	2.14E-08	6.21E-09	5.93E-05	1.87E-08	5.45E-09
6027	480769.32, 3851463.75	5.37E-05	1.69E-08	4.93E-09	6.58E-05	2.08E-08	6.04E-09	5.77E-05	1.82E-08	5.30E-09
6028	480684.08, 3851421.08	5.22E-05	1.65E-08	4.79E-09	6.39E-05	2.02E-08	5.86E-09	5.60E-05	1.77E-08	5.14E-09
6029	480598.84, 3851378.42	5.06E-05	1.60E-08	4.64E-09	6.20E-05	1.96E-08	5.69E-09	5.44E-05	1.72E-08	4.99E-09
6030	480435.71, 3851275.01	4.78E-05	1.51E-08	4.39E-09	5.85E-05	1.85E-08	5.37E-09	5.13E-05	1.62E-08	4.71E-09
6031	480347.85, 3851232.36	4.63E-05	1.46E-08	4.25E-09	5.67E-05	1.79E-08	5.21E-09	4.98E-05	1.57E-08	4.57E-09
6032	480260, 3851189.72	4.49E-05	1.42E-08	4.12E-09	5.50E-05	1.74E-08	5.05E-09	4.82E-05	1.52E-08	4.43E-09
6033	480172.15, 3851147.07	4.35E-05	1.37E-08	4.00E-09	5.33E-05	1.68E-08	4.89E-09	4.68E-05	1.48E-08	4.29E-09
6034	480084.29, 3851104.42	4.22E-05	1.33E-08	3.87E-09	5.16E-05	1.63E-08	4.74E-09	4.53E-05	1.43E-08	4.16E-09
6035	479996.44, 3851061.77	4.09E-05	1.29E-08	3.75E-09	5.01E-05	1.58E-08	4.60E-09	4.39E-05	1.39E-08	4.03E-09
6036	479908.58, 3851019.13	3.95E-05	1.25E-08	3.63E-09	4.84E-05	1.53E-08	4.44E-09	4.25E-05	1.34E-08	3.90E-09
6037	479820.73, 3850976.48	3.83E-05	1.21E-08	3.52E-09	4.69E-05	1.48E-08	4.31E-09	4.12E-05	1.30E-08	3.78E-09
6038	479732.88, 3850933.83	3.72E-05	1.17E-08	3.41E-09	4.55E-05	1.44E-08	4.18E-09	3.99E-05	1.26E-08	3.67E-09
6039	479645.02, 3850891.18	3.61E-05	1.14E-08	3.31E-09	4.42E-05	1.40E-08	4.06E-09	3.88E-05	1.22E-08	3.56E-09
6040	479557.17, 3850848.54	3.51E-05	1.11E-08	3.23E-09	4.31E-05	1.36E-08	3.95E-09	3.78E-05	1.19E-08	3.47E-09
6041	479469.32, 3850805.89	3.41E-05	1.08E-08	3.13E-09	4.18E-05	1.32E-08	3.84E-09	3.67E-05	1.16E-08	3.37E-09
6042	479381.46, 3850763.24	3.34E-05	1.05E-08	3.06E-09	4.09E-05	1.29E-08	3.75E-09	3.59E-05	1.13E-08	3.29E-09
6043	479293.61, 3850720.59	3.28E-05	1.03E-08	3.01E-09	4.02E-05	1.27E-08	3.69E-09	3.52E-05	1.11E-08	3.23E-09
6044	479205.76, 3850677.95	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
6045	479117.9, 3850635.3	3.16E-05	9.98E-09	2.90E-09	3.88E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
6046	479030.05, 3850592.65	3.11E-05	9.81E-09	2.85E-09	3.81E-05	1.20E-08	3.50E-09	3.34E-05	1.05E-08	3.07E-09
6047	478942.19, 3850550	3.04E-05	9.60E-09	2.79E-09	3.72E-05	1.18E-08	3.42E-09	3.27E-05	1.03E-08	3.00E-09
6048	478854.34, 3850507.36	2.93E-05	9.25E-09	2.69E-09	3.59E-05	1.13E-08	3.30E-09	3.15E-05	9.94E-09	2.89E-09
6049	478766.49, 3850464.71	2.85E-05	9.00E-09	2.62E-09	3.49E-05	1.10E-08	3.21E-09	3.07E-05	9.68E-09	2.81E-09
6050	478678.63, 3850422.06	2.79E-05	8.80E-09	2.56E-09	3.42E-05	1.08E-08	3.14E-09	3.00E-05	9.46E-09	2.75E-09
6051	478590.78, 3850379.41	2.72E-05	8.60E-09	2.50E-09	3.34E-05	1.05E-08	3.06E-09	2.93E-05	9.24E-09	2.69E-09
6052	478502.93, 3850336.77	2.67E-05	8.44E-09	2.46E-09	3.28E-05	1.03E-08	3.01E-09	2.87E-05	9.07E-09	2.64E-09
6053	478415.07, 3850294.12	2.64E-05	8.32E-09	2.42E-09	3.23E-05	1.02E-08	2.97E-09	2.83E-05	8.95E-09	2.60E-09
6054	478327.22, 3850251.47	2.58E-05	8.13E-09	2.37E-09	3.16E-05	9.96E-09	2.90E-09	2.77E-05	8.74E-09	2.54E-09
6055	478239.36, 3850208.82	2.53E-05	7.98E-09	2.32E-09	3.10E-05	9.78E-09	2.84E-09	2.72E-05	8.58E-09	2.50E-09
6056	478151.51, 3850166.18	2.49E-05	7.86E-09	2.29E-09	3.05E-05	9.63E-09	2.80E-09	2.68E-05	8.45E-09	2.46E-09
6057	478063.66, 3850123.53	2.46E-05	7.76E-09	2.26E-09	3.01E-05	9.50E-09	2.76E-09	2.64E-05	8.34E-09	2.43E-09
6058	477975.8, 3850080.88	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.69E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
6059	477887.95, 3850038.23	2.49E-05	7.86E-09	2.29E-09	3.05E-05	9.63E-09	2.80E-09	2.68E-05	8.45E-09	2.46E-09
6060	477800.1, 3849995.59	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.62E-09	2.80E-09	2.67E-05	8.44E-09	2.45E-09
6061	477712.24, 3849952.94	2.46E-05	7.78E-09	2.26E-09	3.02E-05	9.52E-09	2.77E-09	2.65E-05	8.36E-09	2.43E-09
6062	477624.39, 3849910.29	2.44E-05	7.70E-09	2.24E-09	2.99E-05	9.43E-09	2.74E-09	2.62E-05	8.28E-09	2.41E-09
6063	477536.54, 3849867.64	2.42E-05	7.65E-09	2.22E-09	2.97E-05	9.36E-09	2.72E-09	2.60E-05	8.22E-09	2.39E-09
6064	477448.68, 3849825	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.25E-09	2.69E-09	2.57E-05	8.12E-09	2.36E-09
6065	477360.83, 3849782.35	2.37E-05	7.47E-09	2.17E-09	2.90E-05	9.15E-09	2.66E-09	2.54E-05	8.03E-09	2.34E-09
6066	477272.97, 3849739.7	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.05E-09	2.63E-09	2.52E-05	7.94E-09	2.31E-09
6067	477185.12, 3849697.05	2.32E-05	7.32E-09	2.13E-09	2.84E-05	8.96E-09	2.61E-09	2.49E-05	7.87E-09	2.29E-09
6068	477097.27, 3849654.41	2.29E-05	7.22E-09	2.10E-09	2.80E-05	8.84E-09	2.57E-09	2.46E-05	7.76E-09	2.26E-09
6069	477009.41, 3849611.76	2.24E-05	7.07E-09	2.06E-09	2.74E-05	8.66E-09	2.52E-09	2.41E-05	7.60E-09	2.21E-09
6070	476841.49, 3849530.08	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.44E-09	2.46E-09	2.35E-05	7.41E-09	2.15E-09
6071	476761.41, 3849491.05	2.16E-05	6.83E-09	1.99E-09	2.65E-05	8.37E-09	2.43E-09	2.33E-05	7.34E-09	2.13E-09
6072	476681.34, 3849452.02	2.13E-05	6.73E-09	1.96E-09	2.61E-05	8.24E-09	2.40E-09	2.29E-05	7.23E-09	2.10E-09
6073	476601.26, 3849412.99	2.09E-05	6.61E-09	1.92E-09	2.57E-05	8.10E-09	2.35E-09	2.25E-05	7.10E-09	2.07E-09
6074	476456.32, 3849353.67	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.82E-09	2.27E-09	2.17E-05	6.86E-09	2.00E-09
6075	476305.43, 3849318.84	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.82E-09	2.27E-09	2.17E-05	6.86E-09	2.00E-09
6076	476129.36, 3849289.99	2.01E-05	6.33E-09	1.84E-09	2.46E-05	7.75E-09	2.25E-09	2.15E-05	6.80E-09	1.98E-09

6077	476039.31, 3849275.68	2.00E-05	6.32E-09	1.84E-09	2.45E-05	7.74E-09	2.25E-09	2.15E-05	6.79E-09	1.97E-09
6078	475949.26, 3849261.38	1.97E-05	6.20E-09	1.80E-09	2.41E-05	7.60E-09	2.21E-09	2.11E-05	6.66E-09	1.94E-09
6079	475859.21, 3849247.08	1.96E-05	6.17E-09	1.80E-09	2.40E-05	7.56E-09	2.20E-09	2.10E-05	6.63E-09	1.93E-09
6080	475769.16, 3849232.77	1.94E-05	6.12E-09	1.78E-09	2.38E-05	7.50E-09	2.18E-09	2.08E-05	6.58E-09	1.91E-09
6081	475585.23, 3849219.27	1.75E-05	5.54E-09	1.61E-09	2.15E-05	6.78E-09	1.97E-09	1.88E-05	5.95E-09	1.73E-09
6082	475444.5, 3849150.35	1.83E-05	5.77E-09	1.68E-09	2.24E-05	7.07E-09	2.06E-09	1.96E-05	6.20E-09	1.80E-09
6083	475334.18, 3849118.71	1.83E-05	5.78E-09	1.68E-09	2.24E-05	7.08E-09	2.06E-09	1.97E-05	6.21E-09	1.81E-09
6084	475230.47, 3849060.57	1.81E-05	5.71E-09	1.66E-09	2.21E-05	6.99E-09	2.03E-09	1.94E-05	6.13E-09	1.78E-09
6085	475110.86, 3848960.97	1.76E-05	5.56E-09	1.62E-09	2.16E-05	6.81E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09
6086	475037.79, 3848896.28	1.72E-05	5.44E-09	1.58E-09	2.11E-05	6.66E-09	1.94E-09	1.85E-05	5.84E-09	1.70E-09
6087	474964.72, 3848831.59	1.69E-05	5.32E-09	1.55E-09	2.07E-05	6.52E-09	1.90E-09	1.81E-05	5.72E-09	1.66E-09
6088	474891.65, 3848766.9	1.66E-05	5.24E-09	1.52E-09	2.03E-05	6.42E-09	1.87E-09	1.78E-05	5.63E-09	1.64E-09
6089	474818.58, 3848702.22	1.64E-05	5.18E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.76E-05	5.57E-09	1.62E-09
6090	474745.51, 3848637.53	1.64E-05	5.19E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.76E-05	5.57E-09	1.62E-09
6091	474672.44, 3848572.84	1.63E-05	5.14E-09	1.50E-09	2.00E-05	6.30E-09	1.83E-09	1.75E-05	5.52E-09	1.61E-09
6092	474599.37, 3848508.15	1.60E-05	5.04E-09	1.47E-09	1.96E-05	6.18E-09	1.80E-09	1.72E-05	5.42E-09	1.58E-09
6093	474526.3, 3848443.46	1.58E-05	4.97E-09	1.45E-09	1.93E-05	6.09E-09	1.77E-09	1.69E-05	5.34E-09	1.55E-09

IMF - Worker Risk

Rec#	X, Y	2028 RD Concentrat	Dose	Risk	2033 RD Concentrat	Dose	Risk	2048 RD Concentrat	Dose	Risk
1	485973.61, 3854936.51	1.14E-03	1.80E-07	6.28E-08	1.40E-03	2.21E-07	7.70E-08	1.23E-03	1.93E-07	6.73E-08
2	486023.61, 3854936.51	1.10E-03	1.73E-07	6.01E-08	1.34E-03	2.11E-07	7.37E-08	1.17E-03	1.85E-07	6.44E-08
3	486073.61, 3854936.51	1.06E-03	1.67E-07	5.81E-08	1.30E-03	2.04E-07	7.12E-08	1.13E-03	1.79E-07	6.22E-08
4	486123.61, 3854936.51	1.00E-03	1.58E-07	5.50E-08	1.23E-03	1.93E-07	6.74E-08	1.07E-03	1.69E-07	5.89E-08
5	486173.61, 3854936.51	9.82E-04	1.55E-07	5.39E-08	1.20E-03	1.89E-07	6.60E-08	1.05E-03	1.66E-07	5.77E-08
6	486223.61, 3854936.51	9.43E-04	1.49E-07	5.18E-08	1.16E-03	1.82E-07	6.34E-08	1.01E-03	1.59E-07	5.55E-08
7	486273.61, 3854936.51	9.13E-04	1.44E-07	5.01E-08	1.12E-03	1.76E-07	6.14E-08	9.78E-04	1.54E-07	5.37E-08
8	486323.61, 3854936.51	8.86E-04	1.40E-07	4.86E-08	1.09E-03	1.71E-07	5.96E-08	9.49E-04	1.50E-07	5.21E-08
9	485973.61, 3854986.51	1.24E-03	1.95E-07	6.79E-08	1.51E-03	2.39E-07	8.31E-08	1.32E-03	2.09E-07	7.27E-08
10	486023.61, 3854986.51	1.19E-03	1.87E-07	6.52E-08	1.45E-03	2.29E-07	7.98E-08	1.27E-03	2.00E-07	6.98E-08
11	486073.61, 3854986.51	1.14E-03	1.79E-07	6.23E-08	1.39E-03	2.19E-07	7.64E-08	1.22E-03	1.92E-07	6.68E-08
12	486123.61, 3854986.51	1.09E-03	1.71E-07	5.97E-08	1.33E-03	2.10E-07	7.32E-08	1.17E-03	1.84E-07	6.40E-08
13	486173.61, 3854986.51	1.06E-03	1.66E-07	5.79E-08	1.29E-03	2.04E-07	7.10E-08	1.13E-03	1.78E-07	6.21E-08
14	486223.61, 3854986.51	1.01E-03	1.59E-07	5.55E-08	1.24E-03	1.95E-07	6.80E-08	1.08E-03	1.71E-07	5.95E-08
15	486273.61, 3854986.51	9.68E-04	1.53E-07	5.31E-08	1.19E-03	1.87E-07	6.51E-08	1.04E-03	1.63E-07	5.69E-08
16	486323.61, 3854986.51	9.53E-04	1.50E-07	5.23E-08	1.17E-03	1.84E-07	6.41E-08	1.02E-03	1.61E-07	5.61E-08
17	485973.61, 3855036.51	1.33E-03	2.10E-07	7.33E-08	1.64E-03	2.58E-07	8.98E-08	1.43E-03	2.25E-07	7.85E-08
18	486023.61, 3855036.51	1.28E-03	2.01E-07	7.01E-08	1.56E-03	2.46E-07	8.59E-08	1.37E-03	2.16E-07	7.51E-08
19	486073.61, 3855036.51	1.21E-03	1.91E-07	6.66E-08	1.49E-03	2.34E-07	8.16E-08	1.30E-03	2.05E-07	7.14E-08
20	486123.61, 3855036.51	1.16E-03	1.83E-07	6.39E-08	1.43E-03	2.25E-07	7.82E-08	1.25E-03	1.96E-07	6.84E-08
21	486173.61, 3855036.51	1.13E-03	1.78E-07	6.19E-08	1.38E-03	2.18E-07	7.59E-08	1.21E-03	1.91E-07	6.64E-08
22	486223.61, 3855036.51	1.08E-03	1.69E-07	5.90E-08	1.32E-03	2.08E-07	7.23E-08	1.15E-03	1.82E-07	6.33E-08
23	486273.61, 3855036.51	1.05E-03	1.65E-07	5.75E-08	1.28E-03	2.02E-07	7.05E-08	1.12E-03	1.77E-07	6.17E-08
24	486323.61, 3855036.51	1.01E-03	1.59E-07	5.54E-08	1.24E-03	1.95E-07	6.79E-08	1.08E-03	1.70E-07	5.94E-08
25	485973.61, 3855086.51	1.43E-03	2.25E-07	7.85E-08	1.75E-03	2.76E-07	9.62E-08	1.53E-03	2.42E-07	8.42E-08
26	486023.61, 3855086.51	1.37E-03	2.16E-07	7.54E-08	1.68E-03	2.65E-07	9.24E-08	1.47E-03	2.32E-07	8.08E-08
27	486073.61, 3855086.51	1.30E-03	2.05E-07	7.15E-08	1.60E-03	2.52E-07	8.76E-08	1.40E-03	2.20E-07	7.67E-08
28	486123.61, 3855086.51	1.26E-03	1.98E-07	6.89E-08	1.54E-03	2.42E-07	8.44E-08	1.35E-03	2.12E-07	7.39E-08
29	486173.61, 3855086.51	1.20E-03	1.89E-07	6.57E-08	1.47E-03	2.31E-07	8.05E-08	1.28E-03	2.02E-07	7.04E-08
30	486223.61, 3855086.51	1.15E-03	1.82E-07	6.34E-08	1.41E-03	2.23E-07	7.76E-08	1.24E-03	1.95E-07	6.79E-08
31	485973.61, 3855136.51	1.54E-03	2.43E-07	8.45E-08	1.89E-03	2.97E-07	1.04E-07	1.65E-03	2.60E-07	9.06E-08
32	486023.61, 3855136.51	1.47E-03	2.31E-07	8.06E-08	1.80E-03	2.84E-07	9.88E-08	1.58E-03	2.48E-07	8.65E-08
33	486073.61, 3855136.51	1.40E-03	2.21E-07	7.69E-08	1.72E-03	2.70E-07	9.42E-08	1.50E-03	2.37E-07	8.25E-08
34	486123.61, 3855136.51	1.34E-03	2.11E-07	7.36E-08	1.64E-03	2.59E-07	9.02E-08	1.44E-03	2.27E-07	7.90E-08
35	486173.61, 3855136.51	1.28E-03	2.02E-07	7.04E-08	1.57E-03	2.47E-07	8.62E-08	1.38E-03	2.17E-07	7.55E-08
36	486223.61, 3855136.51	1.23E-03	1.94E-07	6.75E-08	1.51E-03	2.37E-07	8.27E-08	1.32E-03	2.08E-07	7.25E-08
37	485973.61, 3855186.51	1.65E-03	2.60E-07	9.06E-08	2.02E-03	3.19E-07	1.11E-07	1.77E-03	2.79E-07	9.73E-08
38	486023.61, 3855186.51	1.58E-03	2.48E-07	8.65E-08	1.93E-03	3.04E-07	1.06E-07	1.69E-03	2.67E-07	9.29E-08
39	486073.61, 3855186.51	1.50E-03	2.36E-07	8.21E-08	1.83E-03	2.89E-07	1.01E-07	1.61E-03	2.53E-07	8.81E-08
40	486123.61, 3855186.51	1.42E-03	2.24E-07	7.80E-08	1.74E-03	2.74E-07	9.55E-08	1.53E-03	2.40E-07	8.37E-08
41	486173.61, 3855186.51	1.36E-03	2.14E-07	7.47E-08	1.67E-03	2.63E-07	9.15E-08	1.46E-03	2.30E-07	8.01E-08
42	486223.61, 3855186.51	1.30E-03	2.05E-07	7.16E-08	1.60E-03	2.52E-07	8.77E-08	1.40E-03	2.21E-07	7.68E-08
43	486273.61, 3855186.51	1.25E-03	1.97E-07	6.85E-08	1.53E-03	2.41E-07	8.39E-08	1.34E-03	2.11E-07	7.36E-08
44	486323.61, 3855186.51	1.23E-03	1.94E-07	6.74E-08	1.51E-03	2.37E-07	8.26E-08	1.32E-03	2.08E-07	7.24E-08
45	485973.61, 3855236.51	1.76E-03	2.78E-07	9.68E-08	2.16E-03	3.40E-07	1.19E-07	1.89E-03	2.98E-07	1.04E-07
46	486023.61, 3855236.51	1.67E-03	2.63E-07	9.17E-08	2.05E-03	3.23E-07	1.12E-07	1.79E-03	2.83E-07	9.85E-08
47	486073.61, 3855236.51	1.58E-03	2.49E-07	8.69E-08	1.94E-03	3.05E-07	1.06E-07	1.70E-03	2.68E-07	9.33E-08
48	486123.61, 3855236.51	1.51E-03	2.38E-07	8.29E-08	1.85E-03	2.91E-07	1.02E-07	1.62E-03	2.55E-07	8.90E-08
49	486173.61, 3855236.51	1.44E-03	2.28E-07	7.93E-08	1.77E-03	2.79E-07	9.71E-08	1.55E-03	2.44E-07	8.51E-08
50	486223.61, 3855236.51	1.38E-03	2.17E-07	7.58E-08	1.69E-03	2.66E-07	9.28E-08	1.48E-03	2.34E-07	8.14E-08
51	486273.61, 3855236.51	1.30E-03	2.06E-07	7.16E-08	1.60E-03	2.52E-07	8.77E-08	1.40E-03	2.21E-07	7.69E-08
52	486323.61, 3855236.51	1.30E-03	2.05E-07	7.13E-08	1.59E-03	2.51E-07	8.73E-08	1.39E-03	2.20E-07	7.66E-08
53	485973.61, 3855286.51	1.88E-03	2.96E-07	1.03E-07	2.30E-03	3.62E-07	1.26E-07	2.02E-03	3.18E-07	1.11E-07
54	486023.61, 3855286.51	1.77E-03	2.79E-07	9.74E-08	2.17E-03	3.42E-07	1.19E-07	1.91E-03	3.00E-07	1.05E-07
55	486073.61, 3855286.51	1.68E-03	2.65E-07	9.24E-08	2.06E-03	3.25E-07	1.13E-07	1.81E-03	2.85E-07	9.93E-08
56	486123.61, 3855286.51	1.60E-03	2.52E-07	8.77E-08	1.96E-03	3.08E-07	1.07E-07	1.72E-03	2.70E-07	9.42E-08
57	486173.61, 3855286.51	1.52E-03	2.40E-07	8.34E-08	1.86E-03	2.93E-07	1.02E-07	1.63E-03	2.57E-07	8.96E-08
58	486223.61, 3855286.51	1.46E-03	2.30E-07	8.00E-08	1.79E-03	2.81E-07	9.80E-08	1.57E-03	2.47E-07	8.60E-08

59	486123.61, 3855336.51	1.69E-03	2.66E-07	9.26E-08	2.07E-03	3.25E-07	1.13E-07	1.81E-03	2.86E-07	9.95E-08
60	486173.61, 3855336.51	1.61E-03	2.54E-07	8.84E-08	1.97E-03	3.11E-07	1.08E-07	1.73E-03	2.73E-07	9.50E-08
61	486223.61, 3855336.51	1.54E-03	2.42E-07	8.44E-08	1.88E-03	2.97E-07	1.03E-07	1.65E-03	2.60E-07	9.07E-08
62	486123.61, 3855386.51	1.78E-03	2.81E-07	9.79E-08	2.19E-03	3.44E-07	1.20E-07	1.92E-03	3.02E-07	1.05E-07
63	486173.61, 3855386.51	1.70E-03	2.68E-07	9.34E-08	2.08E-03	3.28E-07	1.14E-07	1.83E-03	2.88E-07	1.00E-07
64	486223.61, 3855386.51	1.63E-03	2.56E-07	8.93E-08	1.99E-03	3.14E-07	1.09E-07	1.75E-03	2.76E-07	9.60E-08
65	486533.18, 3855443.15	1.37E-03	2.15E-07	7.50E-08	1.67E-03	2.64E-07	9.18E-08	1.47E-03	2.31E-07	8.06E-08
66	486583.18, 3855443.15	1.32E-03	2.07E-07	7.22E-08	1.61E-03	2.54E-07	8.85E-08	1.42E-03	2.23E-07	7.77E-08
67	486633.18, 3855443.15	1.27E-03	2.00E-07	6.97E-08	1.56E-03	2.45E-07	8.54E-08	1.37E-03	2.15E-07	7.50E-08
68	486683.18, 3855443.15	1.23E-03	1.94E-07	6.77E-08	1.51E-03	2.38E-07	8.30E-08	1.33E-03	2.09E-07	7.29E-08
69	486533.18, 3855493.15	1.43E-03	2.25E-07	7.85E-08	1.75E-03	2.76E-07	9.61E-08	1.54E-03	2.42E-07	8.44E-08
70	486583.18, 3855493.15	1.38E-03	2.17E-07	7.57E-08	1.69E-03	2.66E-07	9.28E-08	1.48E-03	2.34E-07	8.15E-08
71	486633.18, 3855493.15	1.33E-03	2.10E-07	7.31E-08	1.63E-03	2.57E-07	8.95E-08	1.43E-03	2.26E-07	7.86E-08
72	486683.18, 3855493.15	1.29E-03	2.03E-07	7.06E-08	1.58E-03	2.48E-07	8.65E-08	1.38E-03	2.18E-07	7.59E-08
73	486533.18, 3855543.15	1.50E-03	2.37E-07	8.24E-08	1.84E-03	2.90E-07	1.01E-07	1.62E-03	2.55E-07	8.87E-08
74	486583.18, 3855543.15	1.44E-03	2.26E-07	7.89E-08	1.76E-03	2.77E-07	9.66E-08	1.55E-03	2.44E-07	8.49E-08
75	486633.18, 3855543.15	1.39E-03	2.19E-07	7.62E-08	1.70E-03	2.68E-07	9.33E-08	1.49E-03	2.35E-07	8.20E-08
76	486683.18, 3855543.15	1.33E-03	2.10E-07	7.30E-08	1.63E-03	2.57E-07	8.94E-08	1.43E-03	2.26E-07	7.86E-08
77	486533.18, 3855593.15	1.57E-03	2.47E-07	8.62E-08	1.92E-03	3.03E-07	1.06E-07	1.69E-03	2.66E-07	9.28E-08
78	486583.18, 3855593.15	1.51E-03	2.37E-07	8.27E-08	1.84E-03	2.91E-07	1.01E-07	1.62E-03	2.55E-07	8.90E-08
79	486633.18, 3855593.15	1.45E-03	2.28E-07	7.95E-08	1.78E-03	2.80E-07	9.74E-08	1.56E-03	2.46E-07	8.56E-08
80	486683.18, 3855593.15	1.40E-03	2.21E-07	7.69E-08	1.72E-03	2.70E-07	9.42E-08	1.51E-03	2.38E-07	8.28E-08
81	486533.18, 3855643.15	1.65E-03	2.59E-07	9.04E-08	2.02E-03	3.18E-07	1.11E-07	1.77E-03	2.79E-07	9.73E-08
82	486583.18, 3855643.15	1.58E-03	2.49E-07	8.67E-08	1.94E-03	3.05E-07	1.06E-07	1.70E-03	2.68E-07	9.34E-08
83	486633.18, 3855643.15	1.52E-03	2.39E-07	8.33E-08	1.86E-03	2.93E-07	1.02E-07	1.63E-03	2.58E-07	8.97E-08
84	486683.18, 3855643.15	1.46E-03	2.30E-07	8.03E-08	1.79E-03	2.82E-07	9.84E-08	1.58E-03	2.48E-07	8.65E-08
85	486533.18, 3855693.15	1.74E-03	2.74E-07	9.53E-08	2.13E-03	3.35E-07	1.17E-07	1.87E-03	2.95E-07	1.03E-07
86	486583.18, 3855693.15	1.65E-03	2.60E-07	9.07E-08	2.02E-03	3.19E-07	1.11E-07	1.78E-03	2.80E-07	9.77E-08
87	486633.18, 3855693.15	1.57E-03	2.48E-07	8.63E-08	1.93E-03	3.03E-07	1.06E-07	1.69E-03	2.67E-07	9.30E-08
88	486683.18, 3855693.15	1.53E-03	2.41E-07	8.39E-08	1.87E-03	2.95E-07	1.03E-07	1.65E-03	2.59E-07	9.03E-08
89	486733.18, 3855693.15	1.50E-03	2.36E-07	8.22E-08	1.83E-03	2.89E-07	1.01E-07	1.61E-03	2.54E-07	8.86E-08
90	486783.18, 3855693.15	1.48E-03	2.32E-07	8.10E-08	1.81E-03	2.85E-07	9.92E-08	1.59E-03	2.50E-07	8.72E-08
91	486533.18, 3855743.15	1.82E-03	2.87E-07	1.00E-07	2.23E-03	3.52E-07	1.23E-07	1.96E-03	3.10E-07	1.08E-07
92	486583.18, 3855743.15	1.72E-03	2.71E-07	9.45E-08	2.11E-03	3.32E-07	1.16E-07	1.86E-03	2.92E-07	1.02E-07
93	486633.18, 3855743.15	1.65E-03	2.60E-07	9.04E-08	2.02E-03	3.18E-07	1.11E-07	1.78E-03	2.80E-07	9.74E-08
94	486683.18, 3855743.15	1.61E-03	2.53E-07	8.83E-08	1.97E-03	3.10E-07	1.08E-07	1.73E-03	2.73E-07	9.51E-08
95	486733.18, 3855743.15	1.56E-03	2.46E-07	8.57E-08	1.91E-03	3.01E-07	1.05E-07	1.68E-03	2.65E-07	9.23E-08
96	486783.18, 3855743.15	1.54E-03	2.43E-07	8.47E-08	1.89E-03	2.98E-07	1.04E-07	1.66E-03	2.62E-07	9.13E-08
97	486533.18, 3855793.15	1.92E-03	3.03E-07	1.05E-07	2.35E-03	3.71E-07	1.29E-07	2.07E-03	3.26E-07	1.14E-07
98	486583.18, 3855793.15	1.79E-03	2.82E-07	9.82E-08	2.19E-03	3.45E-07	1.20E-07	1.93E-03	3.04E-07	1.06E-07
99	486633.18, 3855793.15	1.74E-03	2.74E-07	9.56E-08	2.13E-03	3.36E-07	1.17E-07	1.88E-03	2.96E-07	1.03E-07
100	486683.18, 3855793.15	1.70E-03	2.68E-07	9.33E-08	2.08E-03	3.28E-07	1.14E-07	1.83E-03	2.89E-07	1.01E-07
101	486733.18, 3855793.15	1.65E-03	2.60E-07	9.07E-08	2.02E-03	3.19E-07	1.11E-07	1.78E-03	2.81E-07	9.77E-08
102	486783.18, 3855793.15	1.61E-03	2.54E-07	8.85E-08	1.98E-03	3.11E-07	1.08E-07	1.74E-03	2.74E-07	9.54E-08
103	486533.18, 3855843.15	2.01E-03	3.16E-07	1.10E-07	2.46E-03	3.87E-07	1.35E-07	2.16E-03	3.41E-07	1.19E-07
104	486583.18, 3855843.15	1.89E-03	2.97E-07	1.04E-07	2.31E-03	3.64E-07	1.27E-07	2.04E-03	3.21E-07	1.12E-07
105	486633.18, 3855843.15	1.84E-03	2.89E-07	1.01E-07	2.25E-03	3.54E-07	1.23E-07	1.98E-03	3.12E-07	1.09E-07
106	486683.18, 3855843.15	1.79E-03	2.82E-07	9.82E-08	2.19E-03	3.45E-07	1.20E-07	1.93E-03	3.04E-07	1.06E-07
107	486733.18, 3855843.15	1.74E-03	2.75E-07	9.57E-08	2.14E-03	3.36E-07	1.17E-07	1.88E-03	2.96E-07	1.03E-07
108	486783.18, 3855843.15	1.70E-03	2.67E-07	9.32E-08	2.08E-03	3.28E-07	1.14E-07	1.83E-03	2.88E-07	1.00E-07
109	486533.18, 3855893.15	2.07E-03	3.26E-07	1.14E-07	2.54E-03	4.00E-07	1.39E-07	2.23E-03	3.52E-07	1.23E-07
110	486583.18, 3855893.15	2.00E-03	3.16E-07	1.10E-07	2.45E-03	3.87E-07	1.35E-07	2.16E-03	3.40E-07	1.19E-07
111	486633.18, 3855893.15	1.94E-03	3.05E-07	1.06E-07	2.38E-03	3.74E-07	1.30E-07	2.09E-03	3.29E-07	1.15E-07
112	486683.18, 3855893.15	1.89E-03	2.97E-07	1.03E-07	2.31E-03	3.64E-07	1.27E-07	2.03E-03	3.20E-07	1.12E-07
113	486733.18, 3855893.15	1.84E-03	2.89E-07	1.01E-07	2.25E-03	3.54E-07	1.23E-07	1.98E-03	3.12E-07	1.09E-07
114	486783.18, 3855893.15	1.79E-03	2.82E-07	9.84E-08	2.20E-03	3.46E-07	1.20E-07	1.93E-03	3.04E-07	1.06E-07
115	486533.18, 3855943.15	2.19E-03	3.44E-07	1.20E-07	2.68E-03	4.22E-07	1.47E-07	2.36E-03	3.71E-07	1.29E-07
116	486583.18, 3855943.15	2.13E-03	3.36E-07	1.17E-07	2.61E-03	4.11E-07	1.43E-07	2.30E-03	3.62E-07	1.26E-07
117	486633.18, 3855943.15	2.05E-03	3.23E-07	1.13E-07	2.51E-03	3.96E-07	1.38E-07	2.21E-03	3.49E-07	1.21E-07
118	486683.18, 3855943.15	2.00E-03	3.15E-07	1.10E-07	2.45E-03	3.86E-07	1.34E-07	2.16E-03	3.40E-07	1.18E-07
119	486733.18, 3855943.15	1.94E-03	3.05E-07	1.06E-07	2.37E-03	3.74E-07	1.30E-07	2.09E-03	3.29E-07	1.15E-07
120	486783.18, 3855943.15	1.89E-03	2.98E-07	1.04E-07	2.32E-03	3.65E-07	1.27E-07	2.04E-03	3.21E-07	1.12E-07

121	486533.18, 3855993.15	2.33E-03	3.68E-07	1.28E-07	2.86E-03	4.50E-07	1.57E-07	2.52E-03	3.97E-07	1.38E-07
122	486583.18, 3855993.15	2.26E-03	3.55E-07	1.24E-07	2.76E-03	4.35E-07	1.52E-07	2.43E-03	3.83E-07	1.33E-07
123	486633.18, 3855993.15	2.18E-03	3.43E-07	1.20E-07	2.67E-03	4.20E-07	1.46E-07	2.35E-03	3.70E-07	1.29E-07
124	486683.18, 3855993.15	2.12E-03	3.34E-07	1.16E-07	2.59E-03	4.09E-07	1.42E-07	2.28E-03	3.60E-07	1.25E-07
125	486733.18, 3855993.15	2.05E-03	3.23E-07	1.13E-07	2.51E-03	3.96E-07	1.38E-07	2.21E-03	3.48E-07	1.21E-07
126	486783.18, 3855993.15	1.99E-03	3.14E-07	1.09E-07	2.44E-03	3.84E-07	1.34E-07	2.15E-03	3.38E-07	1.18E-07
127	486533.18, 3856043.15	2.49E-03	3.93E-07	1.37E-07	3.05E-03	4.81E-07	1.68E-07	2.69E-03	4.24E-07	1.48E-07
128	486583.18, 3856043.15	2.41E-03	3.80E-07	1.32E-07	2.95E-03	4.65E-07	1.62E-07	2.60E-03	4.10E-07	1.43E-07
129	486633.18, 3856043.15	2.32E-03	3.65E-07	1.27E-07	2.84E-03	4.47E-07	1.56E-07	2.50E-03	3.94E-07	1.37E-07
130	486683.18, 3856043.15	2.25E-03	3.55E-07	1.24E-07	2.76E-03	4.34E-07	1.51E-07	2.43E-03	3.83E-07	1.33E-07
131	486733.18, 3856043.15	2.17E-03	3.42E-07	1.19E-07	2.66E-03	4.19E-07	1.46E-07	2.34E-03	3.69E-07	1.29E-07
132	486783.18, 3856043.15	2.12E-03	3.33E-07	1.16E-07	2.59E-03	4.08E-07	1.42E-07	2.28E-03	3.59E-07	1.25E-07
133	486533.18, 3856093.15	2.69E-03	4.25E-07	1.48E-07	3.30E-03	5.20E-07	1.81E-07	2.91E-03	4.58E-07	1.60E-07
134	486583.18, 3856093.15	2.59E-03	4.07E-07	1.42E-07	3.17E-03	4.99E-07	1.74E-07	2.79E-03	4.39E-07	1.53E-07
135	486633.18, 3856093.15	2.48E-03	3.91E-07	1.36E-07	3.04E-03	4.79E-07	1.67E-07	2.68E-03	4.22E-07	1.47E-07
136	486683.18, 3856093.15	2.40E-03	3.78E-07	1.32E-07	2.94E-03	4.63E-07	1.61E-07	2.59E-03	4.08E-07	1.42E-07
137	486733.18, 3856093.15	2.31E-03	3.65E-07	1.27E-07	2.84E-03	4.47E-07	1.56E-07	2.50E-03	3.93E-07	1.37E-07
138	486783.18, 3856093.15	2.24E-03	3.53E-07	1.23E-07	2.75E-03	4.33E-07	1.51E-07	2.42E-03	3.81E-07	1.33E-07
139	486533.18, 3856143.15	2.92E-03	4.60E-07	1.60E-07	3.58E-03	5.63E-07	1.96E-07	3.15E-03	4.96E-07	1.73E-07
140	486583.18, 3856143.15	2.78E-03	4.38E-07	1.53E-07	3.40E-03	5.36E-07	1.87E-07	3.00E-03	4.72E-07	1.65E-07
141	486633.18, 3856143.15	2.67E-03	4.21E-07	1.47E-07	3.27E-03	5.15E-07	1.80E-07	2.88E-03	4.54E-07	1.58E-07
142	486683.18, 3856143.15	2.57E-03	4.04E-07	1.41E-07	3.14E-03	4.95E-07	1.73E-07	2.77E-03	4.36E-07	1.52E-07
143	486733.18, 3856143.15	2.47E-03	3.89E-07	1.36E-07	3.03E-03	4.77E-07	1.66E-07	2.67E-03	4.20E-07	1.46E-07
144	486783.18, 3856143.15	2.40E-03	3.78E-07	1.32E-07	2.94E-03	4.63E-07	1.61E-07	2.59E-03	4.08E-07	1.42E-07
145	486533.18, 3856193.15	3.21E-03	5.05E-07	1.76E-07	3.93E-03	6.19E-07	2.16E-07	3.46E-03	5.45E-07	1.90E-07
146	486583.18, 3856193.15	3.02E-03	4.76E-07	1.66E-07	3.70E-03	5.83E-07	2.03E-07	3.26E-03	5.13E-07	1.79E-07
147	486633.18, 3856193.15	2.89E-03	4.55E-07	1.58E-07	3.54E-03	5.57E-07	1.94E-07	3.11E-03	4.91E-07	1.71E-07
148	486683.18, 3856193.15	2.78E-03	4.37E-07	1.52E-07	3.40E-03	5.36E-07	1.87E-07	2.99E-03	4.72E-07	1.64E-07
149	486733.18, 3856193.15	2.65E-03	4.18E-07	1.46E-07	3.25E-03	5.12E-07	1.78E-07	2.86E-03	4.51E-07	1.57E-07
150	486783.18, 3856193.15	2.56E-03	4.04E-07	1.41E-07	3.14E-03	4.95E-07	1.72E-07	2.77E-03	4.36E-07	1.52E-07
151	486533.18, 3856243.15	3.54E-03	5.57E-07	1.94E-07	4.33E-03	6.83E-07	2.38E-07	3.82E-03	6.01E-07	2.10E-07
152	486583.18, 3856243.15	3.33E-03	5.24E-07	1.82E-07	4.07E-03	6.42E-07	2.24E-07	3.59E-03	5.65E-07	1.97E-07
153	486633.18, 3856243.15	3.14E-03	4.95E-07	1.73E-07	3.85E-03	6.07E-07	2.11E-07	3.39E-03	5.35E-07	1.86E-07
154	486683.18, 3856243.15	2.99E-03	4.72E-07	1.64E-07	3.67E-03	5.78E-07	2.01E-07	3.23E-03	5.09E-07	1.77E-07
155	486733.18, 3856243.15	2.87E-03	4.51E-07	1.57E-07	3.51E-03	5.53E-07	1.93E-07	3.09E-03	4.87E-07	1.70E-07
156	486783.18, 3856243.15	2.74E-03	4.32E-07	1.50E-07	3.36E-03	5.29E-07	1.84E-07	2.96E-03	4.66E-07	1.62E-07
157	486533.18, 3856293.15	3.95E-03	6.23E-07	2.17E-07	4.84E-03	7.63E-07	2.66E-07	4.27E-03	6.72E-07	2.34E-07
158	486583.18, 3856293.15	3.67E-03	5.78E-07	2.02E-07	4.50E-03	7.08E-07	2.47E-07	3.96E-03	6.24E-07	2.17E-07
159	486633.18, 3856293.15	3.44E-03	5.43E-07	1.89E-07	4.22E-03	6.65E-07	2.32E-07	3.72E-03	5.86E-07	2.04E-07
160	486683.18, 3856293.15	3.25E-03	5.13E-07	1.79E-07	3.99E-03	6.28E-07	2.19E-07	3.51E-03	5.53E-07	1.93E-07
161	486733.18, 3856293.15	3.10E-03	4.88E-07	1.70E-07	3.79E-03	5.98E-07	2.08E-07	3.34E-03	5.26E-07	1.83E-07
162	486783.18, 3856293.15	2.95E-03	4.64E-07	1.62E-07	3.61E-03	5.68E-07	1.98E-07	3.18E-03	5.01E-07	1.74E-07
163	486783.18, 3856343.15	3.19E-03	5.02E-07	1.75E-07	3.90E-03	6.15E-07	2.14E-07	3.44E-03	5.42E-07	1.89E-07
164	486833.18, 3856343.15	3.03E-03	4.77E-07	1.66E-07	3.71E-03	5.84E-07	2.03E-07	3.26E-03	5.14E-07	1.79E-07
165	486883.18, 3856343.15	2.88E-03	4.54E-07	1.58E-07	3.53E-03	5.57E-07	1.94E-07	3.11E-03	4.90E-07	1.71E-07
166	486783.18, 3856393.15	3.44E-03	5.43E-07	1.89E-07	4.22E-03	6.65E-07	2.32E-07	3.72E-03	5.85E-07	2.04E-07
167	486833.18, 3856393.15	3.25E-03	5.12E-07	1.79E-07	3.98E-03	6.28E-07	2.19E-07	3.51E-03	5.53E-07	1.93E-07
168	486883.18, 3856393.15	3.08E-03	4.85E-07	1.69E-07	3.77E-03	5.94E-07	2.07E-07	3.32E-03	5.23E-07	1.82E-07
169	487208.74, 3856886.11	4.15E-03	6.53E-07	2.28E-07	5.08E-03	8.00E-07	2.79E-07	4.47E-03	7.04E-07	2.45E-07
170	487258.74, 3856886.11	3.79E-03	5.97E-07	2.08E-07	4.65E-03	7.32E-07	2.55E-07	4.09E-03	6.44E-07	2.24E-07
171	487308.74, 3856886.11	3.49E-03	5.51E-07	1.92E-07	4.28E-03	6.74E-07	2.35E-07	3.77E-03	5.93E-07	2.07E-07
172	487358.74, 3856886.11	3.25E-03	5.11E-07	1.78E-07	3.98E-03	6.26E-07	2.18E-07	3.50E-03	5.51E-07	1.92E-07
173	487208.74, 3856936.11	4.42E-03	6.96E-07	2.42E-07	5.41E-03	8.52E-07	2.97E-07	4.76E-03	7.50E-07	2.61E-07
174	487258.74, 3856936.11	3.97E-03	6.25E-07	2.18E-07	4.86E-03	7.65E-07	2.67E-07	4.27E-03	6.73E-07	2.34E-07
175	487308.74, 3856936.11	3.61E-03	5.69E-07	1.98E-07	4.42E-03	6.97E-07	2.43E-07	3.89E-03	6.12E-07	2.13E-07
176	487358.74, 3856936.11	3.33E-03	5.25E-07	1.83E-07	4.08E-03	6.42E-07	2.24E-07	3.58E-03	5.64E-07	1.97E-07
177	487208.74, 3856986.11	4.44E-03	6.99E-07	2.44E-07	5.44E-03	8.56E-07	2.98E-07	4.78E-03	7.52E-07	2.62E-07
178	487258.74, 3856986.11	3.97E-03	6.26E-07	2.18E-07	4.86E-03	7.66E-07	2.67E-07	4.27E-03	6.73E-07	2.34E-07
179	487308.74, 3856986.11	3.63E-03	5.72E-07	1.99E-07	4.45E-03	7.00E-07	2.44E-07	3.90E-03	6.15E-07	2.14E-07
180	487358.74, 3856986.11	3.35E-03	5.28E-07	1.84E-07	4.10E-03	6.46E-07	2.25E-07	3.60E-03	5.67E-07	1.97E-07
181	487208.74, 3857036.11	4.25E-03	6.69E-07	2.33E-07	5.20E-03	8.20E-07	2.86E-07	4.56E-03	7.18E-07	2.50E-07
182	487258.74, 3857036.11	3.89E-03	6.14E-07	2.14E-07	4.77E-03	7.51E-07	2.62E-07	4.17E-03	6.57E-07	2.29E-07

183	487308.74, 3857036.11	3.60E-03	5.67E-07	1.97E-07	4.40E-03	6.94E-07	2.42E-07	3.85E-03	6.07E-07	2.11E-07
184	487358.74, 3857036.11	3.35E-03	5.28E-07	1.84E-07	4.10E-03	6.46E-07	2.25E-07	3.59E-03	5.65E-07	1.97E-07
185	487427.14, 3856878.23	2.94E-03	4.64E-07	1.62E-07	3.61E-03	5.68E-07	1.98E-07	3.17E-03	4.99E-07	1.74E-07
186	487477.14, 3856878.23	2.77E-03	4.37E-07	1.52E-07	3.39E-03	5.35E-07	1.86E-07	2.98E-03	4.70E-07	1.64E-07
187	487527.14, 3856878.23	2.62E-03	4.13E-07	1.44E-07	3.21E-03	5.06E-07	1.76E-07	2.82E-03	4.44E-07	1.55E-07
188	487427.14, 3856928.23	3.01E-03	4.74E-07	1.65E-07	3.69E-03	5.81E-07	2.02E-07	3.24E-03	5.10E-07	1.78E-07
189	487477.14, 3856928.23	2.83E-03	4.46E-07	1.55E-07	3.47E-03	5.46E-07	1.90E-07	3.04E-03	4.80E-07	1.67E-07
190	487527.14, 3856928.23	2.67E-03	4.21E-07	1.47E-07	3.27E-03	5.16E-07	1.80E-07	2.87E-03	4.52E-07	1.58E-07
191	487577.14, 3856928.23	2.53E-03	3.99E-07	1.39E-07	3.10E-03	4.89E-07	1.70E-07	2.72E-03	4.29E-07	1.49E-07
192	487627.14, 3856928.23	2.42E-03	3.80E-07	1.33E-07	2.96E-03	4.66E-07	1.62E-07	2.59E-03	4.08E-07	1.42E-07
193	487677.14, 3856928.23	2.31E-03	3.63E-07	1.27E-07	2.82E-03	4.45E-07	1.55E-07	2.47E-03	3.90E-07	1.36E-07
194	487727.14, 3856928.23	2.21E-03	3.47E-07	1.21E-07	2.70E-03	4.25E-07	1.48E-07	2.37E-03	3.73E-07	1.30E-07
195	487777.14, 3856928.23	2.12E-03	3.33E-07	1.16E-07	2.59E-03	4.08E-07	1.42E-07	2.27E-03	3.58E-07	1.25E-07
196	487427.14, 3856978.23	3.05E-03	4.80E-07	1.67E-07	3.73E-03	5.88E-07	2.05E-07	3.27E-03	5.15E-07	1.80E-07
197	487477.14, 3856978.23	2.87E-03	4.51E-07	1.57E-07	3.51E-03	5.53E-07	1.93E-07	3.07E-03	4.84E-07	1.69E-07
198	487527.14, 3856978.23	2.71E-03	4.27E-07	1.49E-07	3.32E-03	5.22E-07	1.82E-07	2.90E-03	4.57E-07	1.59E-07
199	487577.14, 3856978.23	2.57E-03	4.05E-07	1.41E-07	3.15E-03	4.96E-07	1.73E-07	2.76E-03	4.34E-07	1.51E-07
200	487627.14, 3856978.23	2.45E-03	3.86E-07	1.35E-07	3.00E-03	4.73E-07	1.65E-07	2.63E-03	4.14E-07	1.44E-07
201	487677.14, 3856978.23	2.34E-03	3.69E-07	1.28E-07	2.86E-03	4.51E-07	1.57E-07	2.51E-03	3.95E-07	1.38E-07
202	487727.14, 3856978.23	2.25E-03	3.54E-07	1.23E-07	2.75E-03	4.33E-07	1.51E-07	2.40E-03	3.79E-07	1.32E-07
203	487777.14, 3856978.23	2.15E-03	3.38E-07	1.18E-07	2.63E-03	4.14E-07	1.44E-07	2.30E-03	3.62E-07	1.26E-07
204	487427.14, 3857028.23	3.07E-03	4.83E-07	1.68E-07	3.76E-03	5.92E-07	2.06E-07	3.28E-03	5.17E-07	1.80E-07
205	487477.14, 3857028.23	2.89E-03	4.56E-07	1.59E-07	3.54E-03	5.58E-07	1.95E-07	3.10E-03	4.88E-07	1.70E-07
206	487527.14, 3857028.23	2.74E-03	4.32E-07	1.51E-07	3.36E-03	5.29E-07	1.84E-07	2.93E-03	4.62E-07	1.61E-07
207	487577.14, 3857028.23	2.61E-03	4.11E-07	1.43E-07	3.19E-03	5.03E-07	1.75E-07	2.79E-03	4.39E-07	1.53E-07
208	487627.14, 3857028.23	2.49E-03	3.92E-07	1.37E-07	3.05E-03	4.80E-07	1.67E-07	2.66E-03	4.19E-07	1.46E-07
209	487677.14, 3857028.23	2.38E-03	3.75E-07	1.30E-07	2.91E-03	4.59E-07	1.60E-07	2.54E-03	4.00E-07	1.39E-07
210	487727.14, 3857028.23	2.27E-03	3.58E-07	1.25E-07	2.78E-03	4.39E-07	1.53E-07	2.43E-03	3.83E-07	1.33E-07
211	487777.14, 3857028.23	2.18E-03	3.44E-07	1.20E-07	2.67E-03	4.21E-07	1.47E-07	2.33E-03	3.67E-07	1.28E-07
212	487427.14, 3857078.23	3.12E-03	4.91E-07	1.71E-07	3.82E-03	6.02E-07	2.10E-07	3.32E-03	5.24E-07	1.82E-07
213	487477.14, 3857078.23	2.95E-03	4.65E-07	1.62E-07	3.61E-03	5.69E-07	1.98E-07	3.14E-03	4.95E-07	1.73E-07
214	487527.14, 3857078.23	2.80E-03	4.41E-07	1.53E-07	3.42E-03	5.40E-07	1.88E-07	2.98E-03	4.69E-07	1.64E-07
215	487577.14, 3857078.23	2.66E-03	4.19E-07	1.46E-07	3.26E-03	5.13E-07	1.79E-07	2.83E-03	4.47E-07	1.56E-07
216	487627.14, 3857078.23	2.54E-03	4.00E-07	1.39E-07	3.11E-03	4.90E-07	1.71E-07	2.71E-03	4.26E-07	1.48E-07
217	487677.14, 3857078.23	2.43E-03	3.82E-07	1.33E-07	2.97E-03	4.68E-07	1.63E-07	2.58E-03	4.07E-07	1.42E-07
218	487727.14, 3857078.23	2.32E-03	3.66E-07	1.27E-07	2.84E-03	4.48E-07	1.56E-07	2.47E-03	3.89E-07	1.36E-07
219	487777.14, 3857078.23	2.23E-03	3.51E-07	1.22E-07	2.73E-03	4.30E-07	1.50E-07	2.37E-03	3.74E-07	1.30E-07
220	487427.14, 3857128.23	3.23E-03	5.09E-07	1.77E-07	3.96E-03	6.24E-07	2.17E-07	3.43E-03	5.40E-07	1.88E-07
221	487477.14, 3857128.23	3.05E-03	4.81E-07	1.67E-07	3.74E-03	5.89E-07	2.05E-07	3.24E-03	5.10E-07	1.78E-07
222	487527.14, 3857128.23	2.89E-03	4.55E-07	1.59E-07	3.54E-03	5.58E-07	1.94E-07	3.07E-03	4.83E-07	1.68E-07
223	487577.14, 3857128.23	2.74E-03	4.32E-07	1.51E-07	3.36E-03	5.29E-07	1.84E-07	2.91E-03	4.59E-07	1.60E-07
224	487627.14, 3857128.23	2.61E-03	4.11E-07	1.43E-07	3.20E-03	5.04E-07	1.75E-07	2.77E-03	4.37E-07	1.52E-07
225	487677.14, 3857128.23	2.49E-03	3.93E-07	1.37E-07	3.05E-03	4.81E-07	1.68E-07	2.65E-03	4.17E-07	1.45E-07
226	487727.14, 3857128.23	2.38E-03	3.75E-07	1.31E-07	2.91E-03	4.59E-07	1.60E-07	2.53E-03	3.98E-07	1.39E-07
227	487777.14, 3857128.23	2.28E-03	3.59E-07	1.25E-07	2.79E-03	4.40E-07	1.53E-07	2.42E-03	3.82E-07	1.33E-07
228	488049.44, 3856539.39	1.51E-03	2.38E-07	8.30E-08	1.85E-03	2.92E-07	1.02E-07	1.63E-03	2.56E-07	8.94E-08
229	488099.44, 3856539.39	1.47E-03	2.32E-07	8.09E-08	1.80E-03	2.84E-07	9.90E-08	1.59E-03	2.50E-07	8.71E-08
230	488149.44, 3856539.39	1.44E-03	2.26E-07	7.88E-08	1.76E-03	2.77E-07	9.65E-08	1.55E-03	2.44E-07	8.48E-08
231	488049.44, 3856589.39	1.55E-03	2.43E-07	8.48E-08	1.89E-03	2.98E-07	1.04E-07	1.66E-03	2.62E-07	9.13E-08
232	488099.44, 3856589.39	1.50E-03	2.37E-07	8.26E-08	1.84E-03	2.90E-07	1.01E-07	1.62E-03	2.55E-07	8.89E-08
233	488149.44, 3856589.39	1.47E-03	2.31E-07	8.04E-08	1.79E-03	2.83E-07	9.85E-08	1.58E-03	2.48E-07	8.66E-08
234	488199.44, 3856589.39	1.43E-03	2.25E-07	7.84E-08	1.75E-03	2.76E-07	9.60E-08	1.54E-03	2.42E-07	8.44E-08
235	488249.44, 3856589.39	1.39E-03	2.19E-07	7.64E-08	1.70E-03	2.69E-07	9.35E-08	1.50E-03	2.36E-07	8.22E-08
236	488049.44, 3856639.39	1.58E-03	2.49E-07	8.66E-08	1.93E-03	3.04E-07	1.06E-07	1.70E-03	2.68E-07	9.32E-08
237	488099.44, 3856639.39	1.54E-03	2.42E-07	8.43E-08	1.88E-03	2.96E-07	1.03E-07	1.65E-03	2.60E-07	9.07E-08
238	488149.44, 3856639.39	1.49E-03	2.35E-07	8.20E-08	1.83E-03	2.88E-07	1.00E-07	1.61E-03	2.53E-07	8.82E-08
239	488199.44, 3856639.39	1.45E-03	2.29E-07	7.98E-08	1.78E-03	2.81E-07	9.78E-08	1.56E-03	2.46E-07	8.59E-08
240	488249.44, 3856639.39	1.42E-03	2.23E-07	7.78E-08	1.74E-03	2.73E-07	9.53E-08	1.52E-03	2.40E-07	8.37E-08
241	488299.44, 3856639.39	1.38E-03	2.18E-07	7.58E-08	1.69E-03	2.67E-07	9.29E-08	1.49E-03	2.34E-07	8.15E-08
242	488349.44, 3856639.39	1.35E-03	2.12E-07	7.40E-08	1.65E-03	2.60E-07	9.06E-08	1.45E-03	2.28E-07	7.95E-08
243	488399.44, 3856639.39	1.32E-03	2.07E-07	7.22E-08	1.61E-03	2.54E-07	8.84E-08	1.41E-03	2.23E-07	7.76E-08
244	488099.44, 3856689.39	1.56E-03	2.46E-07	8.58E-08	1.92E-03	3.02E-07	1.05E-07	1.68E-03	2.65E-07	9.23E-08

245	488149.44, 3856689.39	1.52E-03	2.40E-07	8.35E-08	1.86E-03	2.94E-07	1.02E-07	1.64E-03	2.58E-07	8.98E-08
246	488199.44, 3856689.39	1.48E-03	2.33E-07	8.12E-08	1.81E-03	2.86E-07	9.95E-08	1.59E-03	2.51E-07	8.73E-08
247	488249.44, 3856689.39	1.44E-03	2.27E-07	7.91E-08	1.77E-03	2.78E-07	9.69E-08	1.55E-03	2.44E-07	8.51E-08
248	488299.44, 3856689.39	1.40E-03	2.21E-07	7.71E-08	1.72E-03	2.71E-07	9.44E-08	1.51E-03	2.38E-07	8.28E-08
249	488349.44, 3856689.39	1.37E-03	2.16E-07	7.52E-08	1.68E-03	2.64E-07	9.20E-08	1.47E-03	2.32E-07	8.08E-08
250	488399.44, 3856689.39	1.34E-03	2.11E-07	7.34E-08	1.64E-03	2.58E-07	8.99E-08	1.44E-03	2.26E-07	7.88E-08
251	488099.44, 3856739.39	1.59E-03	2.51E-07	8.73E-08	1.95E-03	3.07E-07	1.07E-07	1.71E-03	2.69E-07	9.38E-08
252	488149.44, 3856739.39	1.55E-03	2.44E-07	8.49E-08	1.90E-03	2.99E-07	1.04E-07	1.66E-03	2.62E-07	9.13E-08
253	488199.44, 3856739.39	1.50E-03	2.37E-07	8.25E-08	1.84E-03	2.90E-07	1.01E-07	1.62E-03	2.55E-07	8.87E-08
254	488249.44, 3856739.39	1.46E-03	2.31E-07	8.04E-08	1.79E-03	2.83E-07	9.84E-08	1.57E-03	2.48E-07	8.63E-08
255	488299.44, 3856739.39	1.43E-03	2.25E-07	7.84E-08	1.75E-03	2.75E-07	9.60E-08	1.53E-03	2.42E-07	8.42E-08
256	488349.44, 3856739.39	1.39E-03	2.19E-07	7.63E-08	1.70E-03	2.68E-07	9.34E-08	1.49E-03	2.35E-07	8.19E-08
257	488399.44, 3856739.39	1.35E-03	2.13E-07	7.43E-08	1.66E-03	2.61E-07	9.10E-08	1.45E-03	2.29E-07	7.98E-08
258	487999.44, 3856789.39	1.72E-03	2.71E-07	9.45E-08	2.11E-03	3.32E-07	1.16E-07	1.85E-03	2.92E-07	1.02E-07
259	488049.44, 3856789.39	1.67E-03	2.63E-07	9.16E-08	2.04E-03	3.22E-07	1.12E-07	1.79E-03	2.83E-07	9.84E-08
260	488099.44, 3856789.39	1.62E-03	2.55E-07	8.88E-08	1.98E-03	3.12E-07	1.09E-07	1.74E-03	2.74E-07	9.54E-08
261	488149.44, 3856789.39	1.57E-03	2.48E-07	8.63E-08	1.93E-03	3.03E-07	1.06E-07	1.69E-03	2.66E-07	9.26E-08
262	488199.44, 3856789.39	1.53E-03	2.41E-07	8.38E-08	1.87E-03	2.95E-07	1.03E-07	1.64E-03	2.58E-07	9.00E-08
263	488249.44, 3856789.39	1.49E-03	2.34E-07	8.16E-08	1.82E-03	2.87E-07	9.99E-08	1.60E-03	2.51E-07	8.76E-08
264	488299.44, 3856789.39	1.45E-03	2.28E-07	7.95E-08	1.77E-03	2.79E-07	9.73E-08	1.55E-03	2.45E-07	8.53E-08
265	488349.44, 3856789.39	1.41E-03	2.22E-07	7.73E-08	1.72E-03	2.72E-07	9.47E-08	1.51E-03	2.38E-07	8.29E-08
266	488399.44, 3856789.39	1.37E-03	2.16E-07	7.53E-08	1.68E-03	2.65E-07	9.22E-08	1.47E-03	2.32E-07	8.08E-08
267	487949.44, 3856839.39	1.81E-03	2.85E-07	9.94E-08	2.22E-03	3.49E-07	1.22E-07	1.94E-03	3.06E-07	1.07E-07
268	487999.44, 3856839.39	1.75E-03	2.76E-07	9.61E-08	2.15E-03	3.38E-07	1.18E-07	1.88E-03	2.96E-07	1.03E-07
269	488049.44, 3856839.39	1.70E-03	2.67E-07	9.31E-08	2.08E-03	3.27E-07	1.14E-07	1.82E-03	2.87E-07	9.99E-08
270	488099.44, 3856839.39	1.64E-03	2.59E-07	9.02E-08	2.01E-03	3.17E-07	1.11E-07	1.76E-03	2.78E-07	9.68E-08
271	488149.44, 3856839.39	1.59E-03	2.51E-07	8.75E-08	1.95E-03	3.08E-07	1.07E-07	1.71E-03	2.70E-07	9.39E-08
272	488199.44, 3856839.39	1.55E-03	2.44E-07	8.50E-08	1.90E-03	2.99E-07	1.04E-07	1.66E-03	2.62E-07	9.12E-08
273	487949.44, 3856889.39	1.84E-03	2.90E-07	1.01E-07	2.25E-03	3.55E-07	1.24E-07	1.97E-03	3.11E-07	1.08E-07
274	487999.44, 3856889.39	1.78E-03	2.80E-07	9.76E-08	2.18E-03	3.43E-07	1.19E-07	1.91E-03	3.00E-07	1.05E-07
275	488049.44, 3856889.39	1.72E-03	2.71E-07	9.45E-08	2.11E-03	3.32E-07	1.16E-07	1.85E-03	2.91E-07	1.01E-07
276	488099.44, 3856889.39	1.67E-03	2.63E-07	9.15E-08	2.04E-03	3.22E-07	1.12E-07	1.79E-03	2.82E-07	9.81E-08
277	488635.86, 3857895.05	1.15E-03	1.82E-07	6.33E-08	1.41E-03	2.22E-07	7.74E-08	1.24E-03	1.95E-07	6.78E-08
278	489137.64, 3857804.15	9.17E-04	1.44E-07	5.03E-08	1.12E-03	1.77E-07	6.16E-08	9.83E-04	1.55E-07	5.39E-08
279	488617.32, 3857859.41	1.19E-03	1.87E-07	6.52E-08	1.46E-03	2.29E-07	7.99E-08	1.27E-03	2.01E-07	7.00E-08
280	488667.32, 3857859.41	1.15E-03	1.81E-07	6.32E-08	1.41E-03	2.22E-07	7.74E-08	1.23E-03	1.94E-07	6.78E-08
281	488717.32, 3857859.41	1.12E-03	1.76E-07	6.13E-08	1.37E-03	2.15E-07	7.50E-08	1.20E-03	1.89E-07	6.57E-08
282	488767.32, 3857859.41	1.08E-03	1.71E-07	5.94E-08	1.33E-03	2.09E-07	7.28E-08	1.16E-03	1.83E-07	6.37E-08
283	488617.32, 3857909.41	1.16E-03	1.82E-07	6.35E-08	1.42E-03	2.23E-07	7.78E-08	1.24E-03	1.96E-07	6.82E-08
284	488667.32, 3857909.41	1.12E-03	1.77E-07	6.15E-08	1.37E-03	2.16E-07	7.53E-08	1.20E-03	1.89E-07	6.60E-08
285	488717.32, 3857909.41	1.09E-03	1.72E-07	5.98E-08	1.33E-03	2.10E-07	7.32E-08	1.17E-03	1.84E-07	6.41E-08
286	488767.32, 3857909.41	1.06E-03	1.67E-07	5.80E-08	1.29E-03	2.04E-07	7.11E-08	1.13E-03	1.79E-07	6.22E-08
287	488417.32, 3857959.41	1.30E-03	2.04E-07	7.12E-08	1.59E-03	2.50E-07	8.72E-08	1.39E-03	2.19E-07	7.64E-08
288	488467.32, 3857959.41	1.25E-03	1.97E-07	6.86E-08	1.53E-03	2.41E-07	8.40E-08	1.34E-03	2.11E-07	7.36E-08
289	488517.32, 3857959.41	1.21E-03	1.90E-07	6.62E-08	1.48E-03	2.33E-07	8.11E-08	1.30E-03	2.04E-07	7.11E-08
290	488567.32, 3857959.41	1.17E-03	1.84E-07	6.40E-08	1.43E-03	2.25E-07	7.84E-08	1.25E-03	1.97E-07	6.87E-08
291	488617.32, 3857959.41	1.13E-03	1.78E-07	6.20E-08	1.38E-03	2.18E-07	7.59E-08	1.21E-03	1.91E-07	6.66E-08
292	488667.32, 3857959.41	1.10E-03	1.73E-07	6.02E-08	1.34E-03	2.11E-07	7.37E-08	1.18E-03	1.85E-07	6.46E-08
293	488717.32, 3857959.41	1.06E-03	1.68E-07	5.84E-08	1.30E-03	2.05E-07	7.15E-08	1.14E-03	1.80E-07	6.27E-08
294	488767.32, 3857959.41	1.03E-03	1.63E-07	5.68E-08	1.27E-03	2.00E-07	6.95E-08	1.11E-03	1.75E-07	6.09E-08
295	488417.32, 3858009.41	1.27E-03	2.00E-07	6.97E-08	1.55E-03	2.45E-07	8.53E-08	1.36E-03	2.15E-07	7.48E-08
296	488467.32, 3858009.41	1.22E-03	1.93E-07	6.72E-08	1.50E-03	2.36E-07	8.23E-08	1.31E-03	2.07E-07	7.22E-08
297	488517.32, 3858009.41	1.18E-03	1.86E-07	6.49E-08	1.45E-03	2.28E-07	7.95E-08	1.27E-03	2.00E-07	6.97E-08
298	488567.32, 3858009.41	1.15E-03	1.80E-07	6.28E-08	1.40E-03	2.21E-07	7.69E-08	1.23E-03	1.94E-07	6.75E-08
299	488617.32, 3858009.41	1.11E-03	1.75E-07	6.09E-08	1.36E-03	2.14E-07	7.46E-08	1.19E-03	1.88E-07	6.54E-08
300	488667.32, 3858009.41	1.08E-03	1.70E-07	5.91E-08	1.32E-03	2.08E-07	7.23E-08	1.16E-03	1.82E-07	6.34E-08
301	488717.32, 3858009.41	1.05E-03	1.65E-07	5.74E-08	1.28E-03	2.02E-07	7.02E-08	1.12E-03	1.77E-07	6.16E-08
302	488767.32, 3858009.41	1.02E-03	1.60E-07	5.58E-08	1.24E-03	1.96E-07	6.83E-08	1.09E-03	1.72E-07	5.99E-08
303	488417.32, 3858059.41	1.26E-03	1.98E-07	6.90E-08	1.54E-03	2.42E-07	8.44E-08	1.35E-03	2.13E-07	7.41E-08
304	488467.32, 3858059.41	1.21E-03	1.91E-07	6.65E-08	1.48E-03	2.34E-07	8.14E-08	1.30E-03	2.05E-07	7.15E-08
305	488517.32, 3858059.41	1.17E-03	1.84E-07	6.42E-08	1.43E-03	2.26E-07	7.87E-08	1.26E-03	1.98E-07	6.90E-08
306	488567.32, 3858059.41	1.13E-03	1.78E-07	6.22E-08	1.39E-03	2.19E-07	7.61E-08	1.22E-03	1.92E-07	6.68E-08

307	488617.32, 3858059.41	1.10E-03	1.73E-07	6.02E-08	1.34E-03	2.12E-07	7.37E-08	1.18E-03	1.86E-07	6.47E-08
308	488667.32, 3858059.41	1.06E-03	1.68E-07	5.84E-08	1.30E-03	2.05E-07	7.15E-08	1.14E-03	1.80E-07	6.27E-08
309	488417.32, 3858109.41	1.26E-03	1.98E-07	6.90E-08	1.54E-03	2.43E-07	8.45E-08	1.35E-03	2.13E-07	7.42E-08
310	488467.32, 3858109.41	1.21E-03	1.91E-07	6.65E-08	1.48E-03	2.34E-07	8.15E-08	1.30E-03	2.05E-07	7.16E-08
311	488517.32, 3858109.41	1.17E-03	1.84E-07	6.43E-08	1.43E-03	2.26E-07	7.87E-08	1.26E-03	1.98E-07	6.91E-08
312	488567.32, 3858109.41	1.13E-03	1.78E-07	6.21E-08	1.38E-03	2.18E-07	7.60E-08	1.22E-03	1.91E-07	6.67E-08
313	488617.32, 3858109.41	1.09E-03	1.72E-07	6.00E-08	1.34E-03	2.11E-07	7.35E-08	1.18E-03	1.85E-07	6.45E-08
314	488667.32, 3858109.41	1.06E-03	1.67E-07	5.81E-08	1.30E-03	2.04E-07	7.11E-08	1.14E-03	1.79E-07	6.24E-08
315	488769.93, 3858449.27	1.18E-03	1.86E-07	6.48E-08	1.45E-03	2.28E-07	7.94E-08	1.27E-03	2.00E-07	6.98E-08
316	488819.93, 3858449.27	1.11E-03	1.75E-07	6.11E-08	1.36E-03	2.15E-07	7.48E-08	1.20E-03	1.89E-07	6.58E-08
317	488819.93, 3858499.27	1.18E-03	1.87E-07	6.50E-08	1.45E-03	2.29E-07	7.96E-08	1.28E-03	2.01E-07	7.01E-08
318	488869.93, 3858499.27	1.11E-03	1.75E-07	6.11E-08	1.36E-03	2.15E-07	7.48E-08	1.20E-03	1.89E-07	6.58E-08
319	488869.93, 3858549.27	1.19E-03	1.87E-07	6.53E-08	1.46E-03	2.30E-07	8.00E-08	1.28E-03	2.02E-07	7.04E-08
320	489438.17, 3859571.48	2.02E-04	3.18E-08	1.11E-08	2.47E-04	3.89E-08	1.35E-08	2.17E-04	3.41E-08	1.19E-08
321	489488.17, 3859571.48	2.01E-04	3.17E-08	1.10E-08	2.46E-04	3.88E-08	1.35E-08	2.16E-04	3.40E-08	1.19E-08
322	489538.17, 3859571.48	2.00E-04	3.16E-08	1.10E-08	2.45E-04	3.86E-08	1.35E-08	2.15E-04	3.39E-08	1.18E-08
323	489588.17, 3859571.48	1.99E-04	3.14E-08	1.09E-08	2.44E-04	3.84E-08	1.34E-08	2.14E-04	3.37E-08	1.17E-08
324	489438.17, 3859621.48	1.93E-04	3.04E-08	1.06E-08	2.36E-04	3.72E-08	1.30E-08	2.07E-04	3.26E-08	1.14E-08
325	489488.17, 3859621.48	1.93E-04	3.03E-08	1.06E-08	2.36E-04	3.72E-08	1.29E-08	2.07E-04	3.26E-08	1.14E-08
326	489538.17, 3859621.48	1.92E-04	3.03E-08	1.05E-08	2.35E-04	3.71E-08	1.29E-08	2.06E-04	3.25E-08	1.13E-08
327	489588.17, 3859621.48	1.92E-04	3.02E-08	1.05E-08	2.35E-04	3.70E-08	1.29E-08	2.06E-04	3.24E-08	1.13E-08
328	489238.17, 3859671.48	1.83E-04	2.88E-08	1.00E-08	2.24E-04	3.52E-08	1.23E-08	1.96E-04	3.09E-08	1.08E-08
329	489288.17, 3859671.48	1.83E-04	2.89E-08	1.01E-08	2.24E-04	3.54E-08	1.23E-08	1.97E-04	3.10E-08	1.08E-08
330	489338.17, 3859671.48	1.84E-04	2.90E-08	1.01E-08	2.25E-04	3.55E-08	1.24E-08	1.98E-04	3.11E-08	1.08E-08
331	489388.17, 3859671.48	1.85E-04	2.91E-08	1.01E-08	2.26E-04	3.56E-08	1.24E-08	1.98E-04	3.12E-08	1.09E-08
332	489438.17, 3859671.48	1.85E-04	2.91E-08	1.01E-08	2.26E-04	3.56E-08	1.24E-08	1.98E-04	3.13E-08	1.09E-08
333	489488.17, 3859671.48	1.85E-04	2.91E-08	1.02E-08	2.27E-04	3.57E-08	1.24E-08	1.99E-04	3.13E-08	1.09E-08
334	489538.17, 3859671.48	1.85E-04	2.91E-08	1.01E-08	2.26E-04	3.57E-08	1.24E-08	1.99E-04	3.13E-08	1.09E-08
335	489588.17, 3859671.48	1.85E-04	2.91E-08	1.01E-08	2.26E-04	3.56E-08	1.24E-08	1.98E-04	3.13E-08	1.09E-08
336	489238.17, 3859721.48	1.75E-04	2.76E-08	9.60E-09	2.14E-04	3.38E-08	1.18E-08	1.88E-04	2.96E-08	1.03E-08
337	489288.17, 3859721.48	1.76E-04	2.77E-08	9.65E-09	2.15E-04	3.39E-08	1.18E-08	1.89E-04	2.98E-08	1.04E-08
338	489338.17, 3859721.48	1.77E-04	2.78E-08	9.69E-09	2.16E-04	3.41E-08	1.19E-08	1.90E-04	2.99E-08	1.04E-08
339	489388.17, 3859721.48	1.77E-04	2.79E-08	9.71E-09	2.17E-04	3.42E-08	1.19E-08	1.90E-04	3.00E-08	1.04E-08
340	489438.17, 3859721.48	1.77E-04	2.79E-08	9.73E-09	2.17E-04	3.42E-08	1.19E-08	1.90E-04	3.00E-08	1.05E-08
341	489488.17, 3859721.48	1.78E-04	2.80E-08	9.76E-09	2.18E-04	3.43E-08	1.20E-08	1.91E-04	3.01E-08	1.05E-08
342	489538.17, 3859721.48	1.78E-04	2.80E-08	9.77E-09	2.18E-04	3.43E-08	1.20E-08	1.91E-04	3.01E-08	1.05E-08
343	489588.17, 3859721.48	1.78E-04	2.80E-08	9.77E-09	2.18E-04	3.43E-08	1.20E-08	1.91E-04	3.01E-08	1.05E-08
344	489238.17, 3859771.48	1.68E-04	2.65E-08	9.22E-09	2.06E-04	3.24E-08	1.13E-08	1.81E-04	2.84E-08	9.91E-09
345	489288.17, 3859771.48	1.69E-04	2.66E-08	9.27E-09	2.07E-04	3.26E-08	1.14E-08	1.81E-04	2.86E-08	9.96E-09
346	489338.17, 3859771.48	1.69E-04	2.67E-08	9.30E-09	2.07E-04	3.27E-08	1.14E-08	1.82E-04	2.87E-08	9.99E-09
347	489388.17, 3859771.48	1.70E-04	2.68E-08	9.33E-09	2.08E-04	3.28E-08	1.14E-08	1.83E-04	2.88E-08	1.00E-08
348	489438.17, 3859771.48	1.70E-04	2.68E-08	9.35E-09	2.09E-04	3.29E-08	1.14E-08	1.83E-04	2.88E-08	1.00E-08
349	489488.17, 3859771.48	1.71E-04	2.69E-08	9.39E-09	2.10E-04	3.30E-08	1.15E-08	1.84E-04	2.90E-08	1.01E-08
350	489538.17, 3859771.48	1.71E-04	2.70E-08	9.41E-09	2.10E-04	3.31E-08	1.15E-08	1.84E-04	2.90E-08	1.01E-08
351	489588.17, 3859771.48	1.72E-04	2.70E-08	9.41E-09	2.10E-04	3.31E-08	1.15E-08	1.84E-04	2.90E-08	1.01E-08
352	489238.17, 3859821.48	1.62E-04	2.54E-08	8.86E-09	1.98E-04	3.12E-08	1.09E-08	1.74E-04	2.73E-08	9.52E-09
353	489288.17, 3859821.48	1.62E-04	2.56E-08	8.91E-09	1.99E-04	3.13E-08	1.09E-08	1.74E-04	2.75E-08	9.58E-09
354	489338.17, 3859821.48	1.63E-04	2.57E-08	8.94E-09	2.00E-04	3.14E-08	1.10E-08	1.75E-04	2.76E-08	9.61E-09
355	489388.17, 3859821.48	1.63E-04	2.58E-08	8.97E-09	2.00E-04	3.15E-08	1.10E-08	1.76E-04	2.77E-08	9.64E-09
356	489438.17, 3859821.48	1.64E-04	2.59E-08	9.02E-09	2.01E-04	3.17E-08	1.10E-08	1.76E-04	2.78E-08	9.69E-09
357	489488.17, 3859821.48	1.65E-04	2.60E-08	9.05E-09	2.02E-04	3.18E-08	1.11E-08	1.77E-04	2.79E-08	9.72E-09
358	489538.17, 3859821.48	1.65E-04	2.61E-08	9.08E-09	2.03E-04	3.19E-08	1.11E-08	1.78E-04	2.80E-08	9.75E-09
359	489588.17, 3859821.48	1.66E-04	2.61E-08	9.08E-09	2.03E-04	3.19E-08	1.11E-08	1.78E-04	2.80E-08	9.76E-09
360	489238.17, 3859871.48	1.56E-04	2.45E-08	8.54E-09	1.91E-04	3.00E-08	1.05E-08	1.67E-04	2.63E-08	9.18E-09
361	489288.17, 3859871.48	1.56E-04	2.46E-08	8.58E-09	1.91E-04	3.01E-08	1.05E-08	1.68E-04	2.64E-08	9.21E-09
362	489338.17, 3859871.48	1.57E-04	2.47E-08	8.61E-09	1.92E-04	3.03E-08	1.05E-08	1.69E-04	2.65E-08	9.25E-09
363	489388.17, 3859871.48	1.58E-04	2.48E-08	8.65E-09	1.93E-04	3.04E-08	1.06E-08	1.69E-04	2.67E-08	9.30E-09
364	489438.17, 3859871.48	1.59E-04	2.50E-08	8.71E-09	1.94E-04	3.06E-08	1.07E-08	1.70E-04	2.69E-08	9.36E-09
365	489488.17, 3859871.48	1.60E-04	2.51E-08	8.76E-09	1.95E-04	3.08E-08	1.07E-08	1.71E-04	2.70E-08	9.41E-09
366	489538.17, 3859871.48	1.60E-04	2.52E-08	8.77E-09	1.96E-04	3.08E-08	1.07E-08	1.72E-04	2.70E-08	9.42E-09
367	489588.17, 3859871.48	1.60E-04	2.52E-08	8.78E-09	1.96E-04	3.09E-08	1.08E-08	1.72E-04	2.71E-08	9.44E-09
368	489238.17, 3859921.48	1.50E-04	2.37E-08	8.25E-09	1.84E-04	2.90E-08	1.01E-08	1.62E-04	2.55E-08	8.87E-09

369	489288.17, 3859921.48	1.51E-04	2.38E-08	8.30E-09	1.85E-04	2.92E-08	1.02E-08	1.62E-04	2.56E-08	8.91E-09
370	489338.17, 3859921.48	1.52E-04	2.39E-08	8.33E-09	1.86E-04	2.93E-08	1.02E-08	1.63E-04	2.57E-08	8.95E-09
371	489388.17, 3859921.48	1.53E-04	2.40E-08	8.38E-09	1.87E-04	2.94E-08	1.03E-08	1.64E-04	2.58E-08	9.00E-09
372	489438.17, 3859921.48	1.54E-04	2.42E-08	8.43E-09	1.88E-04	2.96E-08	1.03E-08	1.65E-04	2.60E-08	9.06E-09
373	489488.17, 3859921.48	1.54E-04	2.43E-08	8.46E-09	1.89E-04	2.98E-08	1.04E-08	1.66E-04	2.61E-08	9.09E-09
374	489538.17, 3859921.48	1.55E-04	2.44E-08	8.48E-09	1.89E-04	2.98E-08	1.04E-08	1.66E-04	2.62E-08	9.11E-09
375	489588.17, 3859921.48	1.55E-04	2.44E-08	8.51E-09	1.90E-04	2.99E-08	1.04E-08	1.67E-04	2.62E-08	9.14E-09
376	489238.17, 3859971.48	1.46E-04	2.29E-08	7.99E-09	1.78E-04	2.81E-08	9.79E-09	1.56E-04	2.46E-08	8.58E-09
377	489288.17, 3859971.48	1.46E-04	2.30E-08	8.02E-09	1.79E-04	2.82E-08	9.82E-09	1.57E-04	2.47E-08	8.61E-09
378	489338.17, 3859971.48	1.47E-04	2.31E-08	8.06E-09	1.80E-04	2.83E-08	9.87E-09	1.58E-04	2.48E-08	8.66E-09
379	489388.17, 3859971.48	1.48E-04	2.33E-08	8.11E-09	1.81E-04	2.85E-08	9.94E-09	1.59E-04	2.50E-08	8.72E-09
380	489438.17, 3859971.48	1.49E-04	2.35E-08	8.17E-09	1.82E-04	2.87E-08	1.00E-08	1.60E-04	2.52E-08	8.78E-09
381	489488.17, 3859971.48	1.50E-04	2.36E-08	8.21E-09	1.83E-04	2.89E-08	1.01E-08	1.61E-04	2.53E-08	8.82E-09
382	489538.17, 3859971.48	1.50E-04	2.36E-08	8.24E-09	1.84E-04	2.90E-08	1.01E-08	1.61E-04	2.54E-08	8.85E-09
383	489588.17, 3859971.48	1.50E-04	2.37E-08	8.26E-09	1.84E-04	2.90E-08	1.01E-08	1.62E-04	2.55E-08	8.87E-09
384	483577.7, 3854071	7.35E-04	1.16E-07	4.03E-08	9.01E-04	1.42E-07	4.94E-08	7.92E-04	1.25E-07	4.35E-08
385	483627.7, 3854071	7.06E-04	1.11E-07	3.87E-08	8.64E-04	1.36E-07	4.74E-08	7.60E-04	1.20E-07	4.17E-08
386	483677.7, 3854071	6.78E-04	1.07E-07	3.72E-08	8.31E-04	1.31E-07	4.56E-08	7.30E-04	1.15E-07	4.01E-08
387	483727.7, 3854071	6.53E-04	1.03E-07	3.58E-08	8.00E-04	1.26E-07	4.39E-08	7.03E-04	1.11E-07	3.86E-08
388	483777.7, 3854071	6.25E-04	9.84E-08	3.43E-08	7.66E-04	1.21E-07	4.20E-08	6.73E-04	1.06E-07	3.69E-08
389	483577.7, 3854121	7.77E-04	1.22E-07	4.26E-08	9.52E-04	1.50E-07	5.23E-08	8.37E-04	1.32E-07	4.59E-08
390	483627.7, 3854121	7.43E-04	1.17E-07	4.08E-08	9.10E-04	1.43E-07	5.00E-08	8.00E-04	1.26E-07	4.39E-08
391	483677.7, 3854121	7.10E-04	1.12E-07	3.89E-08	8.70E-04	1.37E-07	4.77E-08	7.64E-04	1.20E-07	4.19E-08
392	483727.7, 3854121	6.77E-04	1.07E-07	3.72E-08	8.30E-04	1.31E-07	4.55E-08	7.29E-04	1.15E-07	4.00E-08
393	483777.7, 3854121	6.52E-04	1.03E-07	3.58E-08	7.99E-04	1.26E-07	4.39E-08	7.02E-04	1.11E-07	3.85E-08
394	483577.7, 3854171	8.16E-04	1.29E-07	4.48E-08	1.00E-03	1.58E-07	5.49E-08	8.79E-04	1.38E-07	4.82E-08
395	483627.7, 3854171	7.74E-04	1.22E-07	4.25E-08	9.49E-04	1.49E-07	5.21E-08	8.34E-04	1.31E-07	4.58E-08
396	483677.7, 3854171	7.40E-04	1.17E-07	4.06E-08	9.06E-04	1.43E-07	4.97E-08	7.97E-04	1.25E-07	4.37E-08
397	483727.7, 3854171	7.11E-04	1.12E-07	3.90E-08	8.71E-04	1.37E-07	4.78E-08	7.65E-04	1.21E-07	4.20E-08
398	483777.7, 3854171	6.83E-04	1.08E-07	3.75E-08	8.37E-04	1.32E-07	4.59E-08	7.35E-04	1.16E-07	4.04E-08
399	483827.7, 3854171	6.49E-04	1.02E-07	3.56E-08	7.95E-04	1.25E-07	4.36E-08	6.99E-04	1.10E-07	3.83E-08
400	483877.7, 3854171	6.25E-04	9.84E-08	3.43E-08	7.65E-04	1.21E-07	4.20E-08	6.73E-04	1.06E-07	3.69E-08
401	483727.7, 3854221	7.52E-04	1.18E-07	4.13E-08	9.21E-04	1.45E-07	5.06E-08	8.09E-04	1.28E-07	4.44E-08
402	483777.7, 3854221	7.21E-04	1.14E-07	3.96E-08	8.83E-04	1.39E-07	4.85E-08	7.76E-04	1.22E-07	4.26E-08
403	483827.7, 3854221	7.04E-04	1.11E-07	3.86E-08	8.63E-04	1.36E-07	4.73E-08	7.58E-04	1.19E-07	4.16E-08
404	483877.7, 3854221	6.72E-04	1.06E-07	3.69E-08	8.23E-04	1.30E-07	4.52E-08	7.23E-04	1.14E-07	3.97E-08
405	489150.19, 3858726.45	9.97E-04	1.57E-07	5.47E-08	1.22E-03	1.92E-07	6.70E-08	1.07E-03	1.69E-07	5.90E-08
406	489200.19, 3858726.45	9.25E-04	1.46E-07	5.08E-08	1.13E-03	1.78E-07	6.22E-08	9.97E-04	1.57E-07	5.47E-08
407	489150.19, 3858776.45	1.01E-03	1.60E-07	5.57E-08	1.24E-03	1.96E-07	6.82E-08	1.09E-03	1.72E-07	6.00E-08
408	489200.19, 3858776.45	9.25E-04	1.46E-07	5.07E-08	1.13E-03	1.78E-07	6.22E-08	9.97E-04	1.57E-07	5.47E-08
409	488919.6, 3856400.76	9.86E-04	1.55E-07	5.41E-08	1.21E-03	1.90E-07	6.63E-08	1.06E-03	1.67E-07	5.82E-08
410	488919.6, 3856450.76	1.00E-03	1.58E-07	5.49E-08	1.23E-03	1.93E-07	6.73E-08	1.08E-03	1.69E-07	5.90E-08
411	488969.6, 3856450.76	9.83E-04	1.55E-07	5.39E-08	1.20E-03	1.90E-07	6.61E-08	1.06E-03	1.66E-07	5.80E-08
412	488919.6, 3856500.76	1.01E-03	1.60E-07	5.57E-08	1.24E-03	1.96E-07	6.82E-08	1.09E-03	1.72E-07	5.99E-08
413	488969.6, 3856500.76	9.96E-04	1.57E-07	5.47E-08	1.22E-03	1.92E-07	6.69E-08	1.07E-03	1.69E-07	5.87E-08
414	488919.6, 3856550.76	1.03E-03	1.62E-07	5.64E-08	1.26E-03	1.98E-07	6.91E-08	1.10E-03	1.74E-07	6.06E-08
415	488969.6, 3856550.76	1.01E-03	1.59E-07	5.54E-08	1.24E-03	1.95E-07	6.78E-08	1.08E-03	1.71E-07	5.95E-08
416	488819.6, 3856600.76	1.08E-03	1.71E-07	5.94E-08	1.33E-03	2.09E-07	7.28E-08	1.16E-03	1.83E-07	6.38E-08
417	488869.6, 3856600.76	1.06E-03	1.67E-07	5.83E-08	1.30E-03	2.05E-07	7.13E-08	1.14E-03	1.80E-07	6.26E-08
418	488919.6, 3856600.76	1.04E-03	1.64E-07	5.71E-08	1.27E-03	2.01E-07	6.99E-08	1.12E-03	1.76E-07	6.13E-08
419	488819.6, 3856650.76	1.10E-03	1.73E-07	6.02E-08	1.34E-03	2.11E-07	7.37E-08	1.18E-03	1.85E-07	6.46E-08
420	488869.6, 3856650.76	1.07E-03	1.69E-07	5.89E-08	1.32E-03	2.07E-07	7.22E-08	1.15E-03	1.82E-07	6.33E-08
421	488819.6, 3856700.76	1.11E-03	1.75E-07	6.08E-08	1.36E-03	2.14E-07	7.45E-08	1.19E-03	1.87E-07	6.53E-08
422	488869.6, 3856700.76	1.09E-03	1.71E-07	5.96E-08	1.33E-03	2.10E-07	7.30E-08	1.17E-03	1.84E-07	6.40E-08
423	488819.6, 3856750.76	1.12E-03	1.77E-07	6.15E-08	1.37E-03	2.16E-07	7.53E-08	1.20E-03	1.89E-07	6.60E-08
424	488869.6, 3856750.76	1.10E-03	1.73E-07	6.02E-08	1.34E-03	2.12E-07	7.37E-08	1.18E-03	1.85E-07	6.46E-08
425	488819.6, 3857050.76	1.18E-03	1.85E-07	6.46E-08	1.44E-03	2.27E-07	7.91E-08	1.26E-03	1.98E-07	6.91E-08
426	488869.6, 3857050.76	1.15E-03	1.81E-07	6.31E-08	1.41E-03	2.22E-07	7.73E-08	1.23E-03	1.94E-07	6.75E-08
427	488919.6, 3857050.76	1.12E-03	1.77E-07	6.17E-08	1.38E-03	2.17E-07	7.55E-08	1.20E-03	1.89E-07	6.59E-08
428	488819.6, 3857100.76	1.18E-03	1.87E-07	6.50E-08	1.45E-03	2.28E-07	7.96E-08	1.27E-03	1.99E-07	6.94E-08
429	488869.6, 3857100.76	1.16E-03	1.82E-07	6.35E-08	1.42E-03	2.23E-07	7.77E-08	1.24E-03	1.95E-07	6.78E-08
430	488919.6, 3857100.76	1.13E-03	1.78E-07	6.20E-08	1.38E-03	2.18E-07	7.59E-08	1.21E-03	1.90E-07	6.62E-08

431	488819.6, 3857150.76	1.19E-03	1.87E-07	6.53E-08	1.46E-03	2.30E-07	8.00E-08	1.27E-03	2.00E-07	6.98E-08
432	488869.6, 3857150.76	1.16E-03	1.83E-07	6.37E-08	1.42E-03	2.24E-07	7.81E-08	1.24E-03	1.95E-07	6.81E-08
433	488919.6, 3857150.76	1.13E-03	1.79E-07	6.22E-08	1.39E-03	2.19E-07	7.62E-08	1.21E-03	1.91E-07	6.65E-08
434	488969.6, 3857150.76	1.11E-03	1.75E-07	6.08E-08	1.36E-03	2.14E-07	7.45E-08	1.18E-03	1.86E-07	6.50E-08
435	488819.6, 3857200.76	1.19E-03	1.88E-07	6.56E-08	1.46E-03	2.30E-07	8.03E-08	1.28E-03	2.01E-07	7.00E-08
436	488869.6, 3857200.76	1.16E-03	1.83E-07	6.39E-08	1.43E-03	2.25E-07	7.83E-08	1.24E-03	1.96E-07	6.83E-08
437	488919.6, 3857200.76	1.14E-03	1.79E-07	6.24E-08	1.39E-03	2.19E-07	7.64E-08	1.21E-03	1.91E-07	6.66E-08
438	488969.6, 3857200.76	1.11E-03	1.75E-07	6.09E-08	1.36E-03	2.14E-07	7.46E-08	1.19E-03	1.87E-07	6.51E-08
439	488819.6, 3857250.76	1.20E-03	1.89E-07	6.57E-08	1.47E-03	2.31E-07	8.05E-08	1.28E-03	2.01E-07	7.02E-08
440	488869.6, 3857250.76	1.17E-03	1.84E-07	6.41E-08	1.43E-03	2.25E-07	7.85E-08	1.25E-03	1.96E-07	6.84E-08
441	488919.6, 3857250.76	1.14E-03	1.79E-07	6.25E-08	1.39E-03	2.20E-07	7.65E-08	1.22E-03	1.92E-07	6.67E-08
442	488969.6, 3857250.76	1.11E-03	1.75E-07	6.10E-08	1.36E-03	2.14E-07	7.47E-08	1.19E-03	1.87E-07	6.51E-08
443	488819.6, 3857300.76	1.20E-03	1.89E-07	6.58E-08	1.47E-03	2.31E-07	8.06E-08	1.28E-03	2.02E-07	7.02E-08
444	488869.6, 3857300.76	1.17E-03	1.84E-07	6.41E-08	1.43E-03	2.25E-07	7.85E-08	1.25E-03	1.96E-07	6.84E-08
445	488919.6, 3857300.76	1.14E-03	1.79E-07	6.25E-08	1.39E-03	2.20E-07	7.65E-08	1.22E-03	1.92E-07	6.67E-08
446	488819.6, 3857450.76	1.19E-03	1.88E-07	6.54E-08	1.46E-03	2.30E-07	8.01E-08	1.27E-03	2.01E-07	6.99E-08
447	488869.6, 3857450.76	1.16E-03	1.83E-07	6.36E-08	1.42E-03	2.24E-07	7.79E-08	1.24E-03	1.95E-07	6.80E-08
448	488919.6, 3857450.76	1.13E-03	1.78E-07	6.19E-08	1.38E-03	2.17E-07	7.57E-08	1.20E-03	1.90E-07	6.61E-08
449	488819.6, 3857500.76	1.19E-03	1.87E-07	6.51E-08	1.45E-03	2.29E-07	7.97E-08	1.27E-03	2.00E-07	6.95E-08
450	488869.6, 3857500.76	1.15E-03	1.81E-07	6.32E-08	1.41E-03	2.22E-07	7.74E-08	1.23E-03	1.94E-07	6.75E-08
451	488919.6, 3857500.76	1.12E-03	1.76E-07	6.14E-08	1.37E-03	2.16E-07	7.52E-08	1.20E-03	1.88E-07	6.56E-08
452	488819.6, 3857550.76	1.18E-03	1.85E-07	6.46E-08	1.44E-03	2.27E-07	7.90E-08	1.26E-03	1.98E-07	6.90E-08
453	488869.6, 3857550.76	1.14E-03	1.80E-07	6.27E-08	1.40E-03	2.20E-07	7.67E-08	1.22E-03	1.92E-07	6.70E-08
454	488919.6, 3857550.76	1.11E-03	1.75E-07	6.09E-08	1.36E-03	2.14E-07	7.45E-08	1.19E-03	1.87E-07	6.51E-08
455	489663.71, 3860900.05	8.61E-05	1.36E-08	4.73E-09	1.05E-04	1.66E-08	5.79E-09	9.25E-05	1.46E-08	5.08E-09
456	489813.71, 3860900.05	8.66E-05	1.36E-08	4.75E-09	1.06E-04	1.67E-08	5.82E-09	9.30E-05	1.47E-08	5.11E-09
457	489863.71, 3860900.05	8.67E-05	1.37E-08	4.76E-09	1.06E-04	1.67E-08	5.83E-09	9.31E-05	1.47E-08	5.11E-09
458	489913.71, 3860900.05	8.70E-05	1.37E-08	4.77E-09	1.07E-04	1.68E-08	5.85E-09	9.34E-05	1.47E-08	5.13E-09
459	489963.71, 3860900.05	8.71E-05	1.37E-08	4.78E-09	1.07E-04	1.68E-08	5.85E-09	9.35E-05	1.47E-08	5.13E-09
460	490013.71, 3860900.05	8.74E-05	1.38E-08	4.80E-09	1.07E-04	1.69E-08	5.87E-09	9.39E-05	1.48E-08	5.15E-09
461	490063.71, 3860900.05	8.76E-05	1.38E-08	4.81E-09	1.07E-04	1.69E-08	5.89E-09	9.41E-05	1.48E-08	5.16E-09
462	489663.71, 3860950.05	8.42E-05	1.33E-08	4.62E-09	1.03E-04	1.63E-08	5.66E-09	9.05E-05	1.43E-08	4.97E-09
463	489813.71, 3860950.05	8.47E-05	1.33E-08	4.65E-09	1.04E-04	1.63E-08	5.69E-09	9.10E-05	1.43E-08	4.99E-09
464	489863.71, 3860950.05	8.47E-05	1.33E-08	4.65E-09	1.04E-04	1.63E-08	5.69E-09	9.10E-05	1.43E-08	4.99E-09
465	489913.71, 3860950.05	8.49E-05	1.34E-08	4.66E-09	1.04E-04	1.64E-08	5.71E-09	9.12E-05	1.44E-08	5.01E-09
466	489963.71, 3860950.05	8.50E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.72E-09	9.13E-05	1.44E-08	5.01E-09
467	490013.71, 3860950.05	8.53E-05	1.34E-08	4.68E-09	1.04E-04	1.65E-08	5.73E-09	9.16E-05	1.44E-08	5.03E-09
468	490063.71, 3860950.05	8.55E-05	1.35E-08	4.69E-09	1.05E-04	1.65E-08	5.75E-09	9.18E-05	1.45E-08	5.04E-09
469	489513.71, 3861000.05	8.23E-05	1.30E-08	4.52E-09	1.01E-04	1.59E-08	5.53E-09	8.84E-05	1.39E-08	4.85E-09
470	489563.71, 3861000.05	8.23E-05	1.30E-08	4.52E-09	1.01E-04	1.59E-08	5.53E-09	8.84E-05	1.39E-08	4.85E-09
471	489613.71, 3861000.05	8.24E-05	1.30E-08	4.52E-09	1.01E-04	1.59E-08	5.54E-09	8.85E-05	1.39E-08	4.86E-09
472	489663.71, 3861000.05	8.25E-05	1.30E-08	4.53E-09	1.01E-04	1.59E-08	5.55E-09	8.86E-05	1.40E-08	4.86E-09
473	489713.71, 3861000.05	8.25E-05	1.30E-08	4.53E-09	1.01E-04	1.59E-08	5.55E-09	8.86E-05	1.40E-08	4.86E-09
474	489763.71, 3861000.05	8.26E-05	1.30E-08	4.53E-09	1.01E-04	1.59E-08	5.55E-09	8.87E-05	1.40E-08	4.87E-09
475	489813.71, 3861000.05	8.29E-05	1.31E-08	4.55E-09	1.02E-04	1.60E-08	5.57E-09	8.90E-05	1.40E-08	4.89E-09
476	489863.71, 3861000.05	8.29E-05	1.31E-08	4.55E-09	1.02E-04	1.60E-08	5.57E-09	8.90E-05	1.40E-08	4.89E-09
477	489913.71, 3861000.05	8.31E-05	1.31E-08	4.56E-09	1.02E-04	1.60E-08	5.59E-09	8.92E-05	1.41E-08	4.90E-09
478	489963.71, 3861000.05	8.31E-05	1.31E-08	4.56E-09	1.02E-04	1.60E-08	5.59E-09	8.93E-05	1.41E-08	4.90E-09
479	490013.71, 3861000.05	8.33E-05	1.31E-08	4.57E-09	1.02E-04	1.61E-08	5.60E-09	8.95E-05	1.41E-08	4.91E-09
480	490063.71, 3861000.05	8.35E-05	1.32E-08	4.58E-09	1.02E-04	1.61E-08	5.61E-09	8.97E-05	1.41E-08	4.92E-09
481	489513.71, 3861050.05	8.07E-05	1.27E-08	4.43E-09	9.88E-05	1.56E-08	5.42E-09	8.67E-05	1.37E-08	4.76E-09
482	489563.71, 3861050.05	8.07E-05	1.27E-08	4.43E-09	9.88E-05	1.56E-08	5.42E-09	8.67E-05	1.37E-08	4.76E-09
483	489613.71, 3861050.05	8.09E-05	1.27E-08	4.44E-09	9.91E-05	1.56E-08	5.44E-09	8.69E-05	1.37E-08	4.77E-09
484	489663.71, 3861050.05	8.08E-05	1.27E-08	4.43E-09	9.90E-05	1.56E-08	5.43E-09	8.68E-05	1.37E-08	4.76E-09
485	489713.71, 3861050.05	8.08E-05	1.27E-08	4.43E-09	9.89E-05	1.56E-08	5.43E-09	8.68E-05	1.37E-08	4.76E-09
486	489763.71, 3861050.05	8.09E-05	1.27E-08	4.44E-09	9.91E-05	1.56E-08	5.44E-09	8.69E-05	1.37E-08	4.77E-09
487	489813.71, 3861050.05	8.10E-05	1.28E-08	4.45E-09	9.93E-05	1.56E-08	5.45E-09	8.70E-05	1.37E-08	4.78E-09
488	489863.71, 3861050.05	8.11E-05	1.28E-08	4.45E-09	9.93E-05	1.56E-08	5.45E-09	8.71E-05	1.37E-08	4.78E-09
489	489913.71, 3861050.05	8.12E-05	1.28E-08	4.46E-09	9.95E-05	1.57E-08	5.46E-09	8.72E-05	1.37E-08	4.79E-09
490	489963.71, 3861050.05	8.13E-05	1.28E-08	4.46E-09	9.96E-05	1.57E-08	5.47E-09	8.73E-05	1.38E-08	4.79E-09
491	490013.71, 3861050.05	8.16E-05	1.28E-08	4.48E-09	9.99E-05	1.57E-08	5.48E-09	8.76E-05	1.38E-08	4.81E-09
492	490063.71, 3861050.05	8.17E-05	1.29E-08	4.48E-09	1.00E-04	1.58E-08	5.49E-09	8.77E-05	1.38E-08	4.82E-09

493	489513.71, 3861100.05	7.93E-05	1.25E-08	4.35E-09	9.71E-05	1.53E-08	5.33E-09	8.52E-05	1.34E-08	4.67E-09
494	489563.71, 3861100.05	7.91E-05	1.25E-08	4.34E-09	9.69E-05	1.53E-08	5.32E-09	8.49E-05	1.34E-08	4.66E-09
495	489613.71, 3861100.05	7.89E-05	1.24E-08	4.33E-09	9.66E-05	1.52E-08	5.30E-09	8.47E-05	1.33E-08	4.65E-09
496	489663.71, 3861100.05	7.90E-05	1.24E-08	4.33E-09	9.67E-05	1.52E-08	5.31E-09	8.48E-05	1.34E-08	4.65E-09
497	489713.71, 3861100.05	7.90E-05	1.25E-08	4.34E-09	9.68E-05	1.53E-08	5.31E-09	8.49E-05	1.34E-08	4.66E-09
498	489763.71, 3861100.05	7.91E-05	1.25E-08	4.34E-09	9.69E-05	1.53E-08	5.32E-09	8.50E-05	1.34E-08	4.66E-09
499	489813.71, 3861100.05	7.93E-05	1.25E-08	4.35E-09	9.71E-05	1.53E-08	5.33E-09	8.51E-05	1.34E-08	4.67E-09
500	489863.71, 3861100.05	7.95E-05	1.25E-08	4.36E-09	9.74E-05	1.53E-08	5.34E-09	8.54E-05	1.35E-08	4.69E-09
501	489913.71, 3861100.05	7.95E-05	1.25E-08	4.36E-09	9.74E-05	1.53E-08	5.34E-09	8.54E-05	1.35E-08	4.69E-09
502	489963.71, 3861100.05	7.96E-05	1.25E-08	4.37E-09	9.75E-05	1.54E-08	5.35E-09	8.55E-05	1.35E-08	4.69E-09
503	490013.71, 3861100.05	7.97E-05	1.25E-08	4.37E-09	9.76E-05	1.54E-08	5.35E-09	8.56E-05	1.35E-08	4.70E-09
504	490063.71, 3861100.05	7.98E-05	1.26E-08	4.38E-09	9.77E-05	1.54E-08	5.36E-09	8.57E-05	1.35E-08	4.70E-09
505	489713.71, 3861150.05	7.74E-05	1.22E-08	4.25E-09	9.48E-05	1.49E-08	5.20E-09	8.31E-05	1.31E-08	4.56E-09
506	489763.71, 3861150.05	7.75E-05	1.22E-08	4.25E-09	9.49E-05	1.50E-08	5.21E-09	8.32E-05	1.31E-08	4.57E-09
507	489813.71, 3861150.05	7.76E-05	1.22E-08	4.26E-09	9.51E-05	1.50E-08	5.22E-09	8.34E-05	1.31E-08	4.58E-09
508	489863.71, 3861150.05	7.77E-05	1.22E-08	4.27E-09	9.52E-05	1.50E-08	5.22E-09	8.35E-05	1.32E-08	4.58E-09
509	489913.71, 3861150.05	7.78E-05	1.23E-08	4.27E-09	9.53E-05	1.50E-08	5.23E-09	8.36E-05	1.32E-08	4.59E-09
510	489963.71, 3861150.05	7.78E-05	1.23E-08	4.27E-09	9.53E-05	1.50E-08	5.23E-09	8.36E-05	1.32E-08	4.59E-09
511	490013.71, 3861150.05	7.79E-05	1.23E-08	4.28E-09	9.54E-05	1.50E-08	5.24E-09	8.37E-05	1.32E-08	4.59E-09
512	490063.71, 3861150.05	7.81E-05	1.23E-08	4.28E-09	9.56E-05	1.51E-08	5.25E-09	8.38E-05	1.32E-08	4.60E-09
513	489613.71, 3861200.05	7.56E-05	1.19E-08	4.15E-09	9.26E-05	1.46E-08	5.08E-09	8.12E-05	1.28E-08	4.46E-09
514	489663.71, 3861200.05	7.57E-05	1.19E-08	4.16E-09	9.27E-05	1.46E-08	5.09E-09	8.13E-05	1.28E-08	4.46E-09
515	489713.71, 3861200.05	7.58E-05	1.19E-08	4.16E-09	9.29E-05	1.46E-08	5.10E-09	8.14E-05	1.28E-08	4.47E-09
516	489763.71, 3861200.05	7.59E-05	1.20E-08	4.17E-09	9.30E-05	1.46E-08	5.10E-09	8.15E-05	1.28E-08	4.47E-09
517	489813.71, 3861200.05	7.61E-05	1.20E-08	4.17E-09	9.32E-05	1.47E-08	5.11E-09	8.17E-05	1.29E-08	4.48E-09
518	489863.71, 3861200.05	7.62E-05	1.20E-08	4.18E-09	9.33E-05	1.47E-08	5.12E-09	8.19E-05	1.29E-08	4.49E-09
519	489913.71, 3861200.05	7.63E-05	1.20E-08	4.18E-09	9.34E-05	1.47E-08	5.13E-09	8.19E-05	1.29E-08	4.49E-09
520	489963.71, 3861200.05	7.63E-05	1.20E-08	4.19E-09	9.34E-05	1.47E-08	5.13E-09	8.19E-05	1.29E-08	4.50E-09
521	490013.71, 3861200.05	7.64E-05	1.20E-08	4.19E-09	9.35E-05	1.47E-08	5.13E-09	8.20E-05	1.29E-08	4.50E-09
522	490063.71, 3861200.05	7.64E-05	1.20E-08	4.19E-09	9.36E-05	1.47E-08	5.14E-09	8.21E-05	1.29E-08	4.50E-09
523	489513.71, 3861250.05	7.39E-05	1.16E-08	4.05E-09	9.05E-05	1.43E-08	4.97E-09	7.94E-05	1.25E-08	4.36E-09
524	489563.71, 3861250.05	7.41E-05	1.17E-08	4.07E-09	9.07E-05	1.43E-08	4.98E-09	7.96E-05	1.25E-08	4.37E-09
525	489613.71, 3861250.05	7.42E-05	1.17E-08	4.07E-09	9.08E-05	1.43E-08	4.99E-09	7.97E-05	1.26E-08	4.37E-09
526	489663.71, 3861250.05	7.42E-05	1.17E-08	4.07E-09	9.09E-05	1.43E-08	4.99E-09	7.97E-05	1.26E-08	4.38E-09
527	489713.71, 3861250.05	7.43E-05	1.17E-08	4.08E-09	9.10E-05	1.43E-08	5.00E-09	7.98E-05	1.26E-08	4.38E-09
528	489763.71, 3861250.05	7.44E-05	1.17E-08	4.08E-09	9.12E-05	1.44E-08	5.00E-09	7.99E-05	1.26E-08	4.39E-09
529	489813.71, 3861250.05	7.45E-05	1.17E-08	4.09E-09	9.13E-05	1.44E-08	5.01E-09	8.00E-05	1.26E-08	4.39E-09
530	489863.71, 3861250.05	7.46E-05	1.18E-08	4.10E-09	9.14E-05	1.44E-08	5.02E-09	8.01E-05	1.26E-08	4.40E-09
531	489913.71, 3861250.05	7.47E-05	1.18E-08	4.10E-09	9.15E-05	1.44E-08	5.02E-09	8.03E-05	1.26E-08	4.41E-09
532	489963.71, 3861250.05	7.48E-05	1.18E-08	4.11E-09	9.16E-05	1.44E-08	5.03E-09	8.04E-05	1.27E-08	4.41E-09
533	490013.71, 3861250.05	7.49E-05	1.18E-08	4.11E-09	9.17E-05	1.44E-08	5.03E-09	8.04E-05	1.27E-08	4.41E-09
534	490063.71, 3861250.05	7.49E-05	1.18E-08	4.11E-09	9.17E-05	1.44E-08	5.03E-09	8.04E-05	1.27E-08	4.41E-09
535	489528.13, 3861308.47	7.22E-05	1.14E-08	3.96E-09	8.84E-05	1.39E-08	4.85E-09	7.76E-05	1.22E-08	4.26E-09
536	489578.13, 3861308.47	7.23E-05	1.14E-08	3.97E-09	8.86E-05	1.40E-08	4.86E-09	7.77E-05	1.22E-08	4.26E-09
537	489628.13, 3861308.47	7.24E-05	1.14E-08	3.98E-09	8.87E-05	1.40E-08	4.87E-09	7.78E-05	1.23E-08	4.27E-09
538	489678.13, 3861308.47	7.26E-05	1.14E-08	3.98E-09	8.89E-05	1.40E-08	4.88E-09	7.79E-05	1.23E-08	4.28E-09
539	489728.13, 3861308.47	7.27E-05	1.14E-08	3.99E-09	8.90E-05	1.40E-08	4.88E-09	7.81E-05	1.23E-08	4.28E-09
540	489778.13, 3861308.47	7.27E-05	1.15E-08	3.99E-09	8.91E-05	1.40E-08	4.89E-09	7.81E-05	1.23E-08	4.29E-09
541	489678.13, 3861358.47	7.12E-05	1.12E-08	3.90E-09	8.71E-05	1.37E-08	4.78E-09	7.64E-05	1.20E-08	4.19E-09
542	489728.13, 3861358.47	7.12E-05	1.12E-08	3.91E-09	8.72E-05	1.37E-08	4.79E-09	7.65E-05	1.21E-08	4.20E-09
543	489528.13, 3861408.47	6.94E-05	1.09E-08	3.81E-09	8.50E-05	1.34E-08	4.66E-09	7.45E-05	1.17E-08	4.09E-09
544	489578.13, 3861408.47	6.95E-05	1.10E-08	3.82E-09	8.51E-05	1.34E-08	4.67E-09	7.47E-05	1.18E-08	4.10E-09
545	489628.13, 3861408.47	6.98E-05	1.10E-08	3.83E-09	8.54E-05	1.35E-08	4.69E-09	7.49E-05	1.18E-08	4.11E-09
546	489678.13, 3861408.47	6.98E-05	1.10E-08	3.83E-09	8.55E-05	1.35E-08	4.69E-09	7.50E-05	1.18E-08	4.12E-09
547	489728.13, 3861408.47	6.98E-05	1.10E-08	3.83E-09	8.55E-05	1.35E-08	4.69E-09	7.50E-05	1.18E-08	4.12E-09
548	489528.13, 3861458.47	6.81E-05	1.07E-08	3.74E-09	8.34E-05	1.31E-08	4.58E-09	7.32E-05	1.15E-08	4.02E-09
549	489578.13, 3861458.47	6.83E-05	1.08E-08	3.75E-09	8.36E-05	1.32E-08	4.59E-09	7.33E-05	1.16E-08	4.02E-09
550	489628.13, 3861458.47	6.84E-05	1.08E-08	3.75E-09	8.38E-05	1.32E-08	4.60E-09	7.34E-05	1.16E-08	4.03E-09
551	489678.13, 3861458.47	6.85E-05	1.08E-08	3.76E-09	8.38E-05	1.32E-08	4.60E-09	7.35E-05	1.16E-08	4.04E-09
552	489728.13, 3861458.47	6.84E-05	1.08E-08	3.76E-09	8.38E-05	1.32E-08	4.60E-09	7.35E-05	1.16E-08	4.03E-09
553	489528.13, 3861508.47	6.69E-05	1.05E-08	3.67E-09	8.19E-05	1.29E-08	4.49E-09	7.18E-05	1.13E-08	3.94E-09
554	489578.13, 3861508.47	6.70E-05	1.06E-08	3.68E-09	8.20E-05	1.29E-08	4.50E-09	7.19E-05	1.13E-08	3.95E-09

555	489628.13, 3861508.47	6.70E-05	1.06E-08	3.68E-09	8.21E-05	1.29E-08	4.51E-09	7.20E-05	1.13E-08	3.95E-09
556	489678.13, 3861508.47	6.71E-05	1.06E-08	3.68E-09	8.22E-05	1.29E-08	4.51E-09	7.21E-05	1.14E-08	3.95E-09
557	489728.13, 3861508.47	6.71E-05	1.06E-08	3.68E-09	8.22E-05	1.30E-08	4.51E-09	7.21E-05	1.14E-08	3.96E-09
558	489628.13, 3861558.47	6.59E-05	1.04E-08	3.62E-09	8.07E-05	1.27E-08	4.43E-09	7.08E-05	1.11E-08	3.88E-09
559	489678.13, 3861558.47	6.60E-05	1.04E-08	3.62E-09	8.08E-05	1.27E-08	4.44E-09	7.09E-05	1.12E-08	3.89E-09
560	489728.13, 3861558.47	6.61E-05	1.04E-08	3.63E-09	8.09E-05	1.27E-08	4.44E-09	7.09E-05	1.12E-08	3.89E-09
561	489357.08, 3861015.81	8.16E-05	1.29E-08	4.48E-09	9.99E-05	1.57E-08	5.48E-09	8.76E-05	1.38E-08	4.81E-09
562	489407.08, 3861015.81	8.15E-05	1.28E-08	4.48E-09	9.99E-05	1.57E-08	5.48E-09	8.76E-05	1.38E-08	4.81E-09
563	489457.08, 3861015.81	8.16E-05	1.29E-08	4.48E-09	9.99E-05	1.57E-08	5.48E-09	8.76E-05	1.38E-08	4.81E-09
564	489357.08, 3861065.81	7.99E-05	1.26E-08	4.39E-09	9.79E-05	1.54E-08	5.37E-09	8.59E-05	1.35E-08	4.71E-09
565	489407.08, 3861065.81	7.99E-05	1.26E-08	4.38E-09	9.78E-05	1.54E-08	5.37E-09	8.58E-05	1.35E-08	4.71E-09
566	489457.08, 3861065.81	7.99E-05	1.26E-08	4.39E-09	9.79E-05	1.54E-08	5.37E-09	8.59E-05	1.35E-08	4.71E-09
567	489357.08, 3861115.81	7.83E-05	1.23E-08	4.30E-09	9.59E-05	1.51E-08	5.26E-09	8.41E-05	1.32E-08	4.61E-09
568	489407.08, 3861115.81	7.84E-05	1.23E-08	4.30E-09	9.60E-05	1.51E-08	5.27E-09	8.42E-05	1.33E-08	4.62E-09
569	489457.08, 3861115.81	7.85E-05	1.24E-08	4.31E-09	9.61E-05	1.51E-08	5.28E-09	8.43E-05	1.33E-08	4.63E-09
570	489407.08, 3861165.81	7.69E-05	1.21E-08	4.22E-09	9.42E-05	1.48E-08	5.17E-09	8.26E-05	1.30E-08	4.53E-09
571	489457.08, 3861165.81	7.69E-05	1.21E-08	4.22E-09	9.42E-05	1.48E-08	5.17E-09	8.26E-05	1.30E-08	4.53E-09
572	489407.08, 3861215.81	7.50E-05	1.18E-08	4.12E-09	9.19E-05	1.45E-08	5.04E-09	8.06E-05	1.27E-08	4.42E-09
573	489457.08, 3861215.81	7.51E-05	1.18E-08	4.12E-09	9.19E-05	1.45E-08	5.04E-09	8.06E-05	1.27E-08	4.42E-09
574	489407.08, 3861265.81	7.31E-05	1.15E-08	4.01E-09	8.96E-05	1.41E-08	4.92E-09	7.86E-05	1.24E-08	4.31E-09
575	489457.08, 3861265.81	7.33E-05	1.15E-08	4.02E-09	8.98E-05	1.41E-08	4.93E-09	7.87E-05	1.24E-08	4.32E-09
576	489309.86, 3861110.14	7.83E-05	1.23E-08	4.30E-09	9.59E-05	1.51E-08	5.26E-09	8.41E-05	1.32E-08	4.62E-09
577	489407.08, 3861315.81	7.17E-05	1.13E-08	3.93E-09	8.78E-05	1.38E-08	4.82E-09	7.70E-05	1.21E-08	4.23E-09
578	489457.08, 3861315.81	7.19E-05	1.13E-08	3.94E-09	8.80E-05	1.39E-08	4.83E-09	7.72E-05	1.22E-08	4.24E-09
579	488906.03, 3861006.75	8.15E-05	1.28E-08	4.48E-09	9.99E-05	1.57E-08	5.48E-09	8.76E-05	1.38E-08	4.81E-09
580	488956.03, 3861006.75	8.19E-05	1.29E-08	4.49E-09	1.00E-04	1.58E-08	5.50E-09	8.79E-05	1.39E-08	4.83E-09
581	488904.24, 3861051.87	8.12E-05	1.28E-08	4.46E-09	9.95E-05	1.57E-08	5.46E-09	8.72E-05	1.37E-08	4.79E-09
582	488954.24, 3861051.87	8.07E-05	1.27E-08	4.43E-09	9.89E-05	1.56E-08	5.43E-09	8.67E-05	1.37E-08	4.76E-09
583	489004.24, 3861051.87	8.12E-05	1.28E-08	4.46E-09	9.94E-05	1.57E-08	5.46E-09	8.72E-05	1.37E-08	4.79E-09
584	488804.24, 3861101.87	7.89E-05	1.24E-08	4.33E-09	9.66E-05	1.52E-08	5.30E-09	8.47E-05	1.33E-08	4.65E-09
585	488854.24, 3861101.87	7.91E-05	1.25E-08	4.34E-09	9.69E-05	1.53E-08	5.32E-09	8.50E-05	1.34E-08	4.66E-09
586	488904.24, 3861101.87	7.82E-05	1.23E-08	4.29E-09	9.58E-05	1.51E-08	5.26E-09	8.40E-05	1.32E-08	4.61E-09
587	488954.24, 3861101.87	7.79E-05	1.23E-08	4.28E-09	9.55E-05	1.50E-08	5.24E-09	8.37E-05	1.32E-08	4.60E-09
588	489004.24, 3861101.87	7.81E-05	1.23E-08	4.28E-09	9.56E-05	1.51E-08	5.25E-09	8.38E-05	1.32E-08	4.60E-09
589	488804.24, 3861151.87	7.61E-05	1.20E-08	4.17E-09	9.32E-05	1.47E-08	5.11E-09	8.17E-05	1.29E-08	4.48E-09
590	488854.24, 3861151.87	7.59E-05	1.20E-08	4.17E-09	9.30E-05	1.46E-08	5.10E-09	8.15E-05	1.28E-08	4.47E-09
591	489129.49, 3861187.55	7.50E-05	1.18E-08	4.12E-09	9.19E-05	1.45E-08	5.04E-09	8.06E-05	1.27E-08	4.42E-09
592	489179.49, 3861187.55	7.51E-05	1.18E-08	4.12E-09	9.20E-05	1.45E-08	5.05E-09	8.07E-05	1.27E-08	4.43E-09
593	488804.24, 3861201.87	7.46E-05	1.17E-08	4.09E-09	9.13E-05	1.44E-08	5.01E-09	8.01E-05	1.26E-08	4.40E-09
594	488854.24, 3861201.87	7.42E-05	1.17E-08	4.07E-09	9.09E-05	1.43E-08	4.99E-09	7.97E-05	1.26E-08	4.37E-09
595	489129.49, 3861237.55	7.37E-05	1.16E-08	4.04E-09	9.02E-05	1.42E-08	4.95E-09	7.92E-05	1.25E-08	4.34E-09
596	489179.49, 3861237.55	7.36E-05	1.16E-08	4.04E-09	9.01E-05	1.42E-08	4.95E-09	7.91E-05	1.25E-08	4.34E-09
597	488804.24, 3861251.87	7.32E-05	1.15E-08	4.02E-09	8.97E-05	1.41E-08	4.92E-09	7.86E-05	1.24E-08	4.32E-09
598	488854.24, 3861251.87	7.28E-05	1.15E-08	3.99E-09	8.91E-05	1.40E-08	4.89E-09	7.82E-05	1.23E-08	4.29E-09
599	488804.24, 3861301.87	7.17E-05	1.13E-08	3.93E-09	8.78E-05	1.38E-08	4.82E-09	7.70E-05	1.21E-08	4.23E-09
600	488854.24, 3861301.87	7.14E-05	1.12E-08	3.92E-09	8.75E-05	1.38E-08	4.80E-09	7.67E-05	1.21E-08	4.21E-09
601	490943.5, 3860181.97	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.01E-08	6.99E-09
602	490993.5, 3860181.97	1.18E-04	1.86E-08	6.50E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09
603	491043.5, 3860181.97	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.94E-09	1.27E-04	2.00E-08	6.96E-09
604	491093.5, 3860181.97	1.18E-04	1.86E-08	6.46E-09	1.44E-04	2.27E-08	7.92E-09	1.27E-04	1.99E-08	6.94E-09
605	490943.5, 3860231.97	1.16E-04	1.82E-08	6.34E-09	1.41E-04	2.23E-08	7.77E-09	1.24E-04	1.95E-08	6.81E-09
606	490993.5, 3860231.97	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
607	491043.5, 3860231.97	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.72E-09	1.23E-04	1.94E-08	6.77E-09
608	491093.5, 3860231.97	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.70E-09	1.23E-04	1.94E-08	6.75E-09
609	490943.5, 3860281.97	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.17E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
610	490993.5, 3860281.97	1.12E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.56E-09	1.21E-04	1.90E-08	6.63E-09
611	491043.5, 3860281.97	1.12E-04	1.76E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
612	491093.5, 3860281.97	1.12E-04	1.76E-08	6.12E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.57E-09
613	490943.5, 3860331.97	1.10E-04	1.74E-08	6.04E-09	1.35E-04	2.13E-08	7.40E-09	1.18E-04	1.86E-08	6.49E-09
614	490993.5, 3860331.97	1.10E-04	1.73E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.46E-09
615	491043.5, 3860331.97	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.10E-08	7.33E-09	1.17E-04	1.85E-08	6.43E-09
616	491093.5, 3860331.97	1.09E-04	1.71E-08	5.96E-09	1.33E-04	2.10E-08	7.30E-09	1.17E-04	1.84E-08	6.40E-09

617	490086.72, 3859935.12	1.48E-04	2.33E-08	8.13E-09	1.81E-04	2.86E-08	9.95E-09	1.59E-04	2.51E-08	8.73E-09
618	490136.72, 3859935.12	1.47E-04	2.32E-08	8.07E-09	1.80E-04	2.84E-08	9.88E-09	1.58E-04	2.49E-08	8.67E-09
619	490186.72, 3859935.12	1.46E-04	2.30E-08	8.01E-09	1.79E-04	2.82E-08	9.82E-09	1.57E-04	2.47E-08	8.61E-09
620	490236.72, 3859935.12	1.45E-04	2.28E-08	7.96E-09	1.78E-04	2.80E-08	9.75E-09	1.56E-04	2.45E-08	8.55E-09
621	490286.72, 3859935.12	1.44E-04	2.27E-08	7.91E-09	1.76E-04	2.78E-08	9.68E-09	1.55E-04	2.44E-08	8.49E-09
622	490336.72, 3859935.12	1.43E-04	2.25E-08	7.85E-09	1.75E-04	2.76E-08	9.62E-09	1.54E-04	2.42E-08	8.44E-09
623	490386.72, 3859935.12	1.42E-04	2.24E-08	7.81E-09	1.74E-04	2.75E-08	9.57E-09	1.53E-04	2.41E-08	8.39E-09
624	490436.72, 3859935.12	1.42E-04	2.23E-08	7.78E-09	1.74E-04	2.73E-08	9.53E-09	1.52E-04	2.40E-08	8.35E-09
625	490486.72, 3859935.12	1.41E-04	2.22E-08	7.75E-09	1.73E-04	2.72E-08	9.49E-09	1.52E-04	2.39E-08	8.32E-09
626	490536.72, 3859935.12	1.41E-04	2.22E-08	7.75E-09	1.73E-04	2.72E-08	9.49E-09	1.52E-04	2.39E-08	8.32E-09
627	490586.72, 3859935.12	1.41E-04	2.23E-08	7.76E-09	1.73E-04	2.73E-08	9.50E-09	1.52E-04	2.39E-08	8.33E-09
628	490636.72, 3859935.12	1.41E-04	2.23E-08	7.75E-09	1.73E-04	2.73E-08	9.49E-09	1.52E-04	2.39E-08	8.33E-09
629	490686.72, 3859935.12	1.42E-04	2.23E-08	7.78E-09	1.74E-04	2.73E-08	9.53E-09	1.52E-04	2.40E-08	8.35E-09
630	490736.72, 3859935.12	1.42E-04	2.24E-08	7.79E-09	1.74E-04	2.74E-08	9.54E-09	1.52E-04	2.40E-08	8.36E-09
631	490086.72, 3859985.12	1.44E-04	2.27E-08	7.92E-09	1.77E-04	2.78E-08	9.70E-09	1.55E-04	2.44E-08	8.50E-09
632	490136.72, 3859985.12	1.43E-04	2.26E-08	7.86E-09	1.75E-04	2.76E-08	9.63E-09	1.54E-04	2.42E-08	8.45E-09
633	490186.72, 3859985.12	1.42E-04	2.24E-08	7.81E-09	1.74E-04	2.75E-08	9.57E-09	1.53E-04	2.41E-08	8.39E-09
634	490236.72, 3859985.12	1.42E-04	2.23E-08	7.77E-09	1.73E-04	2.73E-08	9.51E-09	1.52E-04	2.40E-08	8.34E-09
635	490286.72, 3859985.12	1.41E-04	2.21E-08	7.71E-09	1.72E-04	2.71E-08	9.45E-09	1.51E-04	2.38E-08	8.28E-09
636	490336.72, 3859985.12	1.40E-04	2.20E-08	7.66E-09	1.71E-04	2.69E-08	9.38E-09	1.50E-04	2.36E-08	8.23E-09
637	490386.72, 3859985.12	1.38E-04	2.18E-08	7.60E-09	1.70E-04	2.67E-08	9.31E-09	1.49E-04	2.34E-08	8.16E-09
638	490436.72, 3859985.12	1.38E-04	2.17E-08	7.55E-09	1.69E-04	2.66E-08	9.25E-09	1.48E-04	2.33E-08	8.11E-09
639	490486.72, 3859985.12	1.37E-04	2.16E-08	7.52E-09	1.68E-04	2.64E-08	9.21E-09	1.47E-04	2.32E-08	8.08E-09
640	490536.72, 3859985.12	1.37E-04	2.15E-08	7.50E-09	1.67E-04	2.64E-08	9.18E-09	1.47E-04	2.31E-08	8.05E-09
641	490586.72, 3859985.12	1.36E-04	2.15E-08	7.49E-09	1.67E-04	2.63E-08	9.18E-09	1.47E-04	2.31E-08	8.05E-09
642	490636.72, 3859985.12	1.37E-04	2.15E-08	7.49E-09	1.67E-04	2.63E-08	9.18E-09	1.47E-04	2.31E-08	8.05E-09
643	490686.72, 3859985.12	1.37E-04	2.16E-08	7.52E-09	1.68E-04	2.64E-08	9.21E-09	1.47E-04	2.32E-08	8.07E-09
644	490736.72, 3859985.12	1.37E-04	2.16E-08	7.51E-09	1.68E-04	2.64E-08	9.20E-09	1.47E-04	2.32E-08	8.07E-09
645	490786.72, 3859985.12	1.37E-04	2.15E-08	7.50E-09	1.67E-04	2.64E-08	9.19E-09	1.47E-04	2.31E-08	8.06E-09
646	490086.72, 3860035.12	1.41E-04	2.21E-08	7.71E-09	1.72E-04	2.71E-08	9.45E-09	1.51E-04	2.38E-08	8.28E-09
647	490136.72, 3860035.12	1.40E-04	2.20E-08	7.67E-09	1.71E-04	2.70E-08	9.39E-09	1.50E-04	2.36E-08	8.24E-09
648	490186.72, 3860035.12	1.39E-04	2.19E-08	7.62E-09	1.70E-04	2.68E-08	9.33E-09	1.49E-04	2.35E-08	8.19E-09
649	490236.72, 3860035.12	1.38E-04	2.17E-08	7.57E-09	1.69E-04	2.66E-08	9.27E-09	1.48E-04	2.33E-08	8.13E-09
650	490286.72, 3860035.12	1.37E-04	2.16E-08	7.52E-09	1.68E-04	2.64E-08	9.21E-09	1.47E-04	2.32E-08	8.07E-09
651	490336.72, 3860035.12	1.36E-04	2.14E-08	7.47E-09	1.67E-04	2.63E-08	9.15E-09	1.46E-04	2.30E-08	8.03E-09
652	490386.72, 3860035.12	1.35E-04	2.13E-08	7.41E-09	1.65E-04	2.61E-08	9.08E-09	1.45E-04	2.28E-08	7.96E-09
653	490436.72, 3860035.12	1.34E-04	2.11E-08	7.36E-09	1.64E-04	2.59E-08	9.01E-09	1.44E-04	2.27E-08	7.90E-09
654	490486.72, 3860035.12	1.33E-04	2.10E-08	7.32E-09	1.63E-04	2.57E-08	8.96E-09	1.43E-04	2.26E-08	7.86E-09
655	490536.72, 3860035.12	1.33E-04	2.09E-08	7.29E-09	1.63E-04	2.56E-08	8.92E-09	1.43E-04	2.25E-08	7.82E-09
656	490586.72, 3860035.12	1.32E-04	2.08E-08	7.26E-09	1.62E-04	2.55E-08	8.89E-09	1.42E-04	2.24E-08	7.80E-09
657	490636.72, 3860035.12	1.32E-04	2.08E-08	7.23E-09	1.61E-04	2.54E-08	8.86E-09	1.42E-04	2.23E-08	7.77E-09
658	490686.72, 3860035.12	1.32E-04	2.07E-08	7.23E-09	1.61E-04	2.54E-08	8.85E-09	1.41E-04	2.23E-08	7.76E-09
659	490736.72, 3860035.12	1.32E-04	2.08E-08	7.25E-09	1.62E-04	2.55E-08	8.88E-09	1.42E-04	2.24E-08	7.79E-09
660	490786.72, 3860035.12	1.32E-04	2.08E-08	7.24E-09	1.62E-04	2.55E-08	8.87E-09	1.42E-04	2.23E-08	7.78E-09
661	490836.72, 3860035.12	1.32E-04	2.08E-08	7.23E-09	1.61E-04	2.54E-08	8.86E-09	1.42E-04	2.23E-08	7.77E-09
662	490086.72, 3860085.12	1.37E-04	2.16E-08	7.54E-09	1.68E-04	2.65E-08	9.23E-09	1.48E-04	2.32E-08	8.10E-09
663	490136.72, 3860085.12	1.36E-04	2.15E-08	7.47E-09	1.67E-04	2.63E-08	9.15E-09	1.46E-04	2.30E-08	8.03E-09
664	490186.72, 3860085.12	1.36E-04	2.14E-08	7.44E-09	1.66E-04	2.62E-08	9.12E-09	1.46E-04	2.29E-08	7.99E-09
665	490236.72, 3860085.12	1.35E-04	2.12E-08	7.40E-09	1.65E-04	2.60E-08	9.06E-09	1.45E-04	2.28E-08	7.94E-09
666	490286.72, 3860085.12	1.34E-04	2.11E-08	7.35E-09	1.64E-04	2.58E-08	9.00E-09	1.44E-04	2.26E-08	7.89E-09
667	490336.72, 3860085.12	1.33E-04	2.09E-08	7.29E-09	1.63E-04	2.56E-08	8.93E-09	1.43E-04	2.25E-08	7.83E-09
668	490386.72, 3860085.12	1.32E-04	2.08E-08	7.24E-09	1.61E-04	2.54E-08	8.86E-09	1.42E-04	2.23E-08	7.77E-09
669	490436.72, 3860085.12	1.31E-04	2.06E-08	7.18E-09	1.60E-04	2.53E-08	8.80E-09	1.41E-04	2.21E-08	7.71E-09
670	490486.72, 3860085.12	1.30E-04	2.05E-08	7.13E-09	1.59E-04	2.51E-08	8.73E-09	1.40E-04	2.20E-08	7.66E-09
671	490536.72, 3860085.12	1.29E-04	2.04E-08	7.09E-09	1.58E-04	2.49E-08	8.69E-09	1.39E-04	2.19E-08	7.62E-09
672	490586.72, 3860085.12	1.29E-04	2.03E-08	7.06E-09	1.58E-04	2.48E-08	8.65E-09	1.38E-04	2.18E-08	7.58E-09
673	490636.72, 3860085.12	1.28E-04	2.02E-08	7.03E-09	1.57E-04	2.47E-08	8.61E-09	1.37E-04	2.17E-08	7.55E-09
674	490686.72, 3860085.12	1.28E-04	2.01E-08	7.01E-09	1.56E-04	2.46E-08	8.58E-09	1.37E-04	2.16E-08	7.53E-09
675	490736.72, 3860085.12	1.28E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.58E-09	1.37E-04	2.16E-08	7.52E-09
676	490786.72, 3860085.12	1.28E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.57E-09	1.37E-04	2.16E-08	7.52E-09
677	490836.72, 3860085.12	1.27E-04	2.01E-08	6.99E-09	1.56E-04	2.46E-08	8.56E-09	1.37E-04	2.15E-08	7.50E-09
678	490086.72, 3860135.12	1.33E-04	2.09E-08	7.29E-09	1.63E-04	2.56E-08	8.93E-09	1.43E-04	2.25E-08	7.83E-09

679	490136.72, 3860135.12	1.33E-04	2.09E-08	7.28E-09	1.62E-04	2.56E-08	8.91E-09	1.42E-04	2.24E-08	7.82E-09
680	490186.72, 3860135.12	1.32E-04	2.08E-08	7.25E-09	1.62E-04	2.55E-08	8.88E-09	1.42E-04	2.24E-08	7.79E-09
681	490236.72, 3860135.12	1.31E-04	2.07E-08	7.21E-09	1.61E-04	2.54E-08	8.83E-09	1.41E-04	2.22E-08	7.75E-09
682	490286.72, 3860135.12	1.31E-04	2.06E-08	7.17E-09	1.60E-04	2.52E-08	8.78E-09	1.40E-04	2.21E-08	7.70E-09
683	490336.72, 3860135.12	1.30E-04	2.04E-08	7.12E-09	1.59E-04	2.50E-08	8.73E-09	1.39E-04	2.20E-08	7.65E-09
684	490386.72, 3860135.12	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.66E-09	1.38E-04	2.18E-08	7.59E-09
685	490436.72, 3860135.12	1.28E-04	2.01E-08	7.02E-09	1.57E-04	2.47E-08	8.59E-09	1.37E-04	2.16E-08	7.53E-09
686	490486.72, 3860135.12	1.27E-04	2.00E-08	6.97E-09	1.55E-04	2.45E-08	8.53E-09	1.36E-04	2.15E-08	7.48E-09
687	490536.72, 3860135.12	1.26E-04	1.99E-08	6.93E-09	1.55E-04	2.43E-08	8.48E-09	1.36E-04	2.13E-08	7.44E-09
688	490586.72, 3860135.12	1.25E-04	1.98E-08	6.88E-09	1.54E-04	2.42E-08	8.43E-09	1.35E-04	2.12E-08	7.39E-09
689	490636.72, 3860135.12	1.25E-04	1.96E-08	6.85E-09	1.53E-04	2.41E-08	8.38E-09	1.34E-04	2.11E-08	7.35E-09
690	490686.72, 3860135.12	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.39E-08	8.34E-09	1.33E-04	2.10E-08	7.32E-09
691	490736.72, 3860135.12	1.24E-04	1.95E-08	6.79E-09	1.51E-04	2.39E-08	8.31E-09	1.33E-04	2.09E-08	7.29E-09
692	490786.72, 3860135.12	1.24E-04	1.95E-08	6.78E-09	1.51E-04	2.38E-08	8.30E-09	1.33E-04	2.09E-08	7.28E-09
693	490836.72, 3860135.12	1.23E-04	1.94E-08	6.76E-09	1.51E-04	2.38E-08	8.28E-09	1.32E-04	2.08E-08	7.26E-09
694	490086.72, 3860185.12	1.29E-04	2.03E-08	7.08E-09	1.58E-04	2.49E-08	8.68E-09	1.39E-04	2.18E-08	7.61E-09
695	490136.72, 3860185.12	1.29E-04	2.03E-08	7.08E-09	1.58E-04	2.49E-08	8.67E-09	1.39E-04	2.18E-08	7.61E-09
696	490186.72, 3860185.12	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.48E-08	8.65E-09	1.38E-04	2.18E-08	7.59E-09
697	490236.72, 3860185.12	1.28E-04	2.02E-08	7.03E-09	1.57E-04	2.47E-08	8.62E-09	1.38E-04	2.17E-08	7.56E-09
698	490286.72, 3860185.12	1.28E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.57E-09	1.37E-04	2.16E-08	7.52E-09
699	490336.72, 3860185.12	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.47E-09
700	490386.72, 3860185.12	1.26E-04	1.98E-08	6.91E-09	1.54E-04	2.43E-08	8.46E-09	1.35E-04	2.13E-08	7.42E-09
701	490436.72, 3860185.12	1.25E-04	1.97E-08	6.86E-09	1.53E-04	2.41E-08	8.40E-09	1.34E-04	2.12E-08	7.37E-09
702	490486.72, 3860185.12	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.39E-08	8.34E-09	1.33E-04	2.10E-08	7.32E-09
703	490536.72, 3860185.12	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.09E-08	7.27E-09
704	490586.72, 3860185.12	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.37E-08	8.24E-09	1.32E-04	2.07E-08	7.23E-09
705	490636.72, 3860185.12	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.19E-09	1.31E-04	2.06E-08	7.18E-09
706	490686.72, 3860185.12	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.14E-09
707	490736.72, 3860185.12	1.20E-04	1.90E-08	6.61E-09	1.47E-04	2.32E-08	8.09E-09	1.29E-04	2.04E-08	7.10E-09
708	490786.72, 3860185.12	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.31E-08	8.06E-09	1.29E-04	2.03E-08	7.07E-09
709	490836.72, 3860185.12	1.20E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.05E-09
710	490086.72, 3860235.12	1.26E-04	1.98E-08	6.89E-09	1.54E-04	2.42E-08	8.44E-09	1.35E-04	2.12E-08	7.40E-09
711	490136.72, 3860235.12	1.25E-04	1.98E-08	6.89E-09	1.54E-04	2.42E-08	8.43E-09	1.35E-04	2.12E-08	7.40E-09
712	490186.72, 3860235.12	1.25E-04	1.97E-08	6.88E-09	1.54E-04	2.42E-08	8.42E-09	1.35E-04	2.12E-08	7.39E-09
713	490236.72, 3860235.12	1.25E-04	1.97E-08	6.86E-09	1.53E-04	2.41E-08	8.40E-09	1.34E-04	2.11E-08	7.37E-09
714	490286.72, 3860235.12	1.24E-04	1.96E-08	6.83E-09	1.52E-04	2.40E-08	8.37E-09	1.34E-04	2.11E-08	7.34E-09
715	490336.72, 3860235.12	1.24E-04	1.95E-08	6.80E-09	1.52E-04	2.39E-08	8.32E-09	1.33E-04	2.10E-08	7.30E-09
716	490386.72, 3860235.12	1.23E-04	1.94E-08	6.76E-09	1.51E-04	2.38E-08	8.28E-09	1.32E-04	2.08E-08	7.26E-09
717	490436.72, 3860235.12	1.22E-04	1.93E-08	6.72E-09	1.50E-04	2.36E-08	8.23E-09	1.31E-04	2.07E-08	7.21E-09
718	490486.72, 3860235.12	1.22E-04	1.91E-08	6.67E-09	1.49E-04	2.34E-08	8.17E-09	1.30E-04	2.06E-08	7.16E-09
719	490536.72, 3860235.12	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.30E-04	2.04E-08	7.11E-09
720	490586.72, 3860235.12	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.31E-08	8.06E-09	1.29E-04	2.03E-08	7.07E-09
721	490636.72, 3860235.12	1.19E-04	1.88E-08	6.54E-09	1.46E-04	2.30E-08	8.01E-09	1.28E-04	2.02E-08	7.02E-09
722	490686.72, 3860235.12	1.18E-04	1.87E-08	6.50E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09
723	490736.72, 3860235.12	1.18E-04	1.85E-08	6.46E-09	1.44E-04	2.27E-08	7.91E-09	1.26E-04	1.99E-08	6.94E-09
724	490786.72, 3860235.12	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.90E-09
725	490086.72, 3860285.12	1.22E-04	1.92E-08	6.69E-09	1.49E-04	2.35E-08	8.20E-09	1.31E-04	2.06E-08	7.19E-09
726	490136.72, 3860285.12	1.22E-04	1.92E-08	6.70E-09	1.49E-04	2.35E-08	8.20E-09	1.31E-04	2.06E-08	7.19E-09
727	490186.72, 3860285.12	1.22E-04	1.92E-08	6.69E-09	1.49E-04	2.35E-08	8.20E-09	1.31E-04	2.06E-08	7.19E-09
728	490236.72, 3860285.12	1.22E-04	1.92E-08	6.69E-09	1.49E-04	2.35E-08	8.19E-09	1.31E-04	2.06E-08	7.18E-09
729	490286.72, 3860285.12	1.21E-04	1.91E-08	6.66E-09	1.49E-04	2.34E-08	8.16E-09	1.30E-04	2.05E-08	7.15E-09
730	490336.72, 3860285.12	1.21E-04	1.90E-08	6.63E-09	1.48E-04	2.33E-08	8.13E-09	1.30E-04	2.05E-08	7.13E-09
731	490386.72, 3860285.12	1.20E-04	1.90E-08	6.61E-09	1.47E-04	2.32E-08	8.09E-09	1.29E-04	2.04E-08	7.09E-09
732	490436.72, 3860285.12	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.05E-09	1.29E-04	2.02E-08	7.05E-09
733	490486.72, 3860285.12	1.19E-04	1.87E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
734	490536.72, 3860285.12	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.94E-09	1.27E-04	2.00E-08	6.96E-09
735	490586.72, 3860285.12	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.26E-08	7.89E-09	1.26E-04	1.98E-08	6.92E-09
736	490636.72, 3860285.12	1.17E-04	1.84E-08	6.40E-09	1.43E-04	2.25E-08	7.84E-09	1.25E-04	1.97E-08	6.87E-09
737	490686.72, 3860285.12	1.16E-04	1.83E-08	6.36E-09	1.42E-04	2.24E-08	7.79E-09	1.24E-04	1.96E-08	6.83E-09
738	490736.72, 3860285.12	1.15E-04	1.81E-08	6.32E-09	1.41E-04	2.22E-08	7.74E-09	1.24E-04	1.95E-08	6.79E-09
739	490786.72, 3860285.12	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.70E-09	1.23E-04	1.94E-08	6.75E-09
740	490086.72, 3860335.12	1.18E-04	1.87E-08	6.50E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09

741	490136.72, 3860335.12	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.01E-08	6.99E-09
742	490186.72, 3860335.12	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.01E-08	6.99E-09
743	490236.72, 3860335.12	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.01E-08	6.99E-09
744	490286.72, 3860335.12	1.18E-04	1.86E-08	6.50E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09
745	490336.72, 3860335.12	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.93E-09	1.27E-04	2.00E-08	6.95E-09
746	490386.72, 3860335.12	1.18E-04	1.85E-08	6.45E-09	1.44E-04	2.27E-08	7.90E-09	1.26E-04	1.99E-08	6.93E-09
747	490436.72, 3860335.12	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.90E-09
748	490486.72, 3860335.12	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.82E-09	1.25E-04	1.97E-08	6.86E-09
749	490536.72, 3860335.12	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.82E-09
750	490586.72, 3860335.12	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.73E-09	1.23E-04	1.95E-08	6.78E-09
751	490636.72, 3860335.12	1.14E-04	1.80E-08	6.27E-09	1.40E-04	2.20E-08	7.68E-09	1.23E-04	1.93E-08	6.73E-09
752	490686.72, 3860335.12	1.14E-04	1.79E-08	6.23E-09	1.39E-04	2.19E-08	7.63E-09	1.22E-04	1.92E-08	6.69E-09
753	490736.72, 3860335.12	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.18E-08	7.58E-09	1.21E-04	1.91E-08	6.65E-09
754	490786.72, 3860335.12	1.12E-04	1.77E-08	6.16E-09	1.37E-04	2.16E-08	7.54E-09	1.20E-04	1.90E-08	6.61E-09
755	490086.72, 3860385.12	1.15E-04	1.81E-08	6.32E-09	1.41E-04	2.22E-08	7.74E-09	1.24E-04	1.95E-08	6.78E-09
756	490136.72, 3860385.12	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
757	490186.72, 3860385.12	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.23E-08	7.75E-09	1.24E-04	1.95E-08	6.80E-09
758	490236.72, 3860385.12	1.15E-04	1.82E-08	6.34E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
759	490286.72, 3860385.12	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.22E-08	7.75E-09	1.24E-04	1.95E-08	6.80E-09
760	490336.72, 3860385.12	1.15E-04	1.81E-08	6.32E-09	1.41E-04	2.22E-08	7.74E-09	1.24E-04	1.95E-08	6.78E-09
761	490386.72, 3860385.12	1.15E-04	1.81E-08	6.30E-09	1.41E-04	2.21E-08	7.72E-09	1.23E-04	1.94E-08	6.77E-09
762	490436.72, 3860385.12	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.69E-09	1.23E-04	1.93E-08	6.74E-09
763	490486.72, 3860385.12	1.14E-04	1.79E-08	6.25E-09	1.40E-04	2.20E-08	7.66E-09	1.22E-04	1.93E-08	6.71E-09
764	490536.72, 3860385.12	1.13E-04	1.79E-08	6.22E-09	1.39E-04	2.19E-08	7.62E-09	1.22E-04	1.92E-08	6.68E-09
765	490586.72, 3860385.12	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.17E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
766	490636.72, 3860385.12	1.12E-04	1.76E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
767	490686.72, 3860385.12	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.20E-04	1.88E-08	6.56E-09
768	490736.72, 3860385.12	1.11E-04	1.74E-08	6.07E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.52E-09
769	490786.72, 3860385.12	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.38E-09	1.18E-04	1.86E-08	6.47E-09
770	490136.72, 3860435.12	1.12E-04	1.77E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.90E-08	6.61E-09
771	490186.72, 3860435.12	1.12E-04	1.77E-08	6.16E-09	1.38E-04	2.17E-08	7.55E-09	1.21E-04	1.90E-08	6.62E-09
772	490236.72, 3860435.12	1.12E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.55E-09	1.21E-04	1.90E-08	6.62E-09
773	490286.72, 3860435.12	1.12E-04	1.77E-08	6.16E-09	1.38E-04	2.17E-08	7.55E-09	1.21E-04	1.90E-08	6.62E-09
774	490336.72, 3860435.12	1.12E-04	1.77E-08	6.16E-09	1.37E-04	2.16E-08	7.54E-09	1.20E-04	1.90E-08	6.61E-09
775	490386.72, 3860435.12	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
776	490436.72, 3860435.12	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
777	490486.72, 3860435.12	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.20E-04	1.88E-08	6.56E-09
778	490536.72, 3860435.12	1.11E-04	1.75E-08	6.09E-09	1.36E-04	2.14E-08	7.46E-09	1.19E-04	1.88E-08	6.54E-09
779	490586.72, 3860435.12	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.42E-09	1.19E-04	1.87E-08	6.50E-09
780	490636.72, 3860435.12	1.10E-04	1.73E-08	6.02E-09	1.34E-04	2.12E-08	7.38E-09	1.18E-04	1.86E-08	6.47E-09
781	490686.72, 3860435.12	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.10E-08	7.33E-09	1.17E-04	1.85E-08	6.43E-09
782	490736.72, 3860435.12	1.08E-04	1.71E-08	5.95E-09	1.33E-04	2.09E-08	7.29E-09	1.16E-04	1.84E-08	6.39E-09
783	490786.72, 3860435.12	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.24E-09	1.16E-04	1.82E-08	6.35E-09
784	490136.72, 3860485.12	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.43E-09
785	490186.72, 3860485.12	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.44E-09
786	490236.72, 3860485.12	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
787	490286.72, 3860485.12	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.45E-09
788	490336.72, 3860485.12	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
789	490386.72, 3860485.12	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.44E-09
790	490436.72, 3860485.12	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.44E-09
791	490486.72, 3860485.12	1.09E-04	1.71E-08	5.97E-09	1.33E-04	2.10E-08	7.32E-09	1.17E-04	1.84E-08	6.42E-09
792	490536.72, 3860485.12	1.08E-04	1.71E-08	5.95E-09	1.33E-04	2.09E-08	7.29E-09	1.16E-04	1.83E-08	6.39E-09
793	490586.72, 3860485.12	1.08E-04	1.70E-08	5.93E-09	1.32E-04	2.08E-08	7.26E-09	1.16E-04	1.83E-08	6.36E-09
794	490636.72, 3860485.12	1.08E-04	1.69E-08	5.90E-09	1.32E-04	2.07E-08	7.23E-09	1.15E-04	1.82E-08	6.34E-09
795	490686.72, 3860485.12	1.07E-04	1.68E-08	5.87E-09	1.31E-04	2.06E-08	7.19E-09	1.15E-04	1.81E-08	6.30E-09
796	490736.72, 3860485.12	1.06E-04	1.68E-08	5.84E-09	1.30E-04	2.05E-08	7.15E-09	1.14E-04	1.80E-08	6.27E-09
797	490786.72, 3860485.12	1.06E-04	1.67E-08	5.80E-09	1.29E-04	2.04E-08	7.11E-09	1.14E-04	1.79E-08	6.23E-09
798	490136.72, 3860535.12	1.06E-04	1.67E-08	5.83E-09	1.30E-04	2.05E-08	7.14E-09	1.14E-04	1.80E-08	6.26E-09
799	490186.72, 3860535.12	1.07E-04	1.68E-08	5.85E-09	1.31E-04	2.06E-08	7.17E-09	1.15E-04	1.80E-08	6.28E-09
800	490236.72, 3860535.12	1.06E-04	1.68E-08	5.84E-09	1.30E-04	2.05E-08	7.16E-09	1.14E-04	1.80E-08	6.28E-09
801	490286.72, 3860535.12	1.06E-04	1.68E-08	5.84E-09	1.30E-04	2.05E-08	7.16E-09	1.14E-04	1.80E-08	6.28E-09
802	490336.72, 3860535.12	1.07E-04	1.68E-08	5.85E-09	1.30E-04	2.06E-08	7.16E-09	1.14E-04	1.80E-08	6.28E-09

803	490386.72, 3860535.12	1.07E-04	1.68E-08	5.85E-09	1.31E-04	2.06E-08	7.17E-09	1.14E-04	1.80E-08	6.28E-09
804	490436.72, 3860535.12	1.07E-04	1.68E-08	5.85E-09	1.31E-04	2.06E-08	7.17E-09	1.14E-04	1.80E-08	6.28E-09
805	490486.72, 3860535.12	1.06E-04	1.68E-08	5.84E-09	1.30E-04	2.05E-08	7.16E-09	1.14E-04	1.80E-08	6.28E-09
806	490536.72, 3860535.12	1.07E-04	1.68E-08	5.85E-09	1.30E-04	2.05E-08	7.16E-09	1.14E-04	1.80E-08	6.28E-09
807	490586.72, 3860535.12	1.06E-04	1.67E-08	5.80E-09	1.30E-04	2.04E-08	7.11E-09	1.14E-04	1.79E-08	6.23E-09
808	490636.72, 3860535.12	1.05E-04	1.66E-08	5.78E-09	1.29E-04	2.03E-08	7.08E-09	1.13E-04	1.78E-08	6.21E-09
809	490686.72, 3860535.12	1.05E-04	1.65E-08	5.75E-09	1.28E-04	2.02E-08	7.05E-09	1.13E-04	1.77E-08	6.18E-09
810	490736.72, 3860535.12	1.04E-04	1.64E-08	5.72E-09	1.28E-04	2.01E-08	7.01E-09	1.12E-04	1.76E-08	6.14E-09
811	490786.72, 3860535.12	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.75E-08	6.11E-09
812	490136.72, 3860585.12	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.75E-08	6.11E-09
813	490186.72, 3860585.12	1.03E-04	1.63E-08	5.67E-09	1.26E-04	1.99E-08	6.94E-09	1.11E-04	1.75E-08	6.08E-09
814	490236.72, 3860585.12	1.04E-04	1.63E-08	5.68E-09	1.27E-04	2.00E-08	6.96E-09	1.11E-04	1.75E-08	6.10E-09
815	490286.72, 3860585.12	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.76E-08	6.11E-09
816	490336.72, 3860585.12	1.04E-04	1.64E-08	5.70E-09	1.27E-04	2.00E-08	6.98E-09	1.12E-04	1.76E-08	6.12E-09
817	490386.72, 3860585.12	1.04E-04	1.64E-08	5.70E-09	1.27E-04	2.00E-08	6.98E-09	1.12E-04	1.76E-08	6.12E-09
818	490436.72, 3860585.12	1.04E-04	1.64E-08	5.72E-09	1.28E-04	2.01E-08	7.00E-09	1.12E-04	1.76E-08	6.14E-09
819	490486.72, 3860585.12	1.04E-04	1.64E-08	5.73E-09	1.28E-04	2.01E-08	7.02E-09	1.12E-04	1.77E-08	6.15E-09
820	490536.72, 3860585.12	1.04E-04	1.64E-08	5.71E-09	1.28E-04	2.01E-08	7.00E-09	1.12E-04	1.76E-08	6.14E-09
821	490586.72, 3860585.12	1.03E-04	1.63E-08	5.67E-09	1.27E-04	1.99E-08	6.95E-09	1.11E-04	1.75E-08	6.09E-09
822	490636.72, 3860585.12	1.03E-04	1.62E-08	5.66E-09	1.26E-04	1.99E-08	6.93E-09	1.11E-04	1.74E-08	6.07E-09
823	490686.72, 3860585.12	1.03E-04	1.62E-08	5.63E-09	1.26E-04	1.98E-08	6.90E-09	1.10E-04	1.74E-08	6.05E-09
824	490736.72, 3860585.12	1.02E-04	1.61E-08	5.61E-09	1.25E-04	1.97E-08	6.87E-09	1.10E-04	1.73E-08	6.02E-09
825	490786.72, 3860585.12	1.02E-04	1.60E-08	5.58E-09	1.25E-04	1.96E-08	6.83E-09	1.09E-04	1.72E-08	5.99E-09
826	490136.72, 3860635.12	1.01E-04	1.60E-08	5.57E-09	1.24E-04	1.96E-08	6.82E-09	1.09E-04	1.72E-08	5.98E-09
827	490186.72, 3860635.12	1.01E-04	1.59E-08	5.55E-09	1.24E-04	1.95E-08	6.80E-09	1.09E-04	1.71E-08	5.96E-09
828	490236.72, 3860635.12	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.78E-09	1.08E-04	1.71E-08	5.95E-09
829	490286.72, 3860635.12	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.79E-09	1.08E-04	1.71E-08	5.95E-09
830	490336.72, 3860635.12	1.01E-04	1.59E-08	5.55E-09	1.24E-04	1.95E-08	6.80E-09	1.09E-04	1.71E-08	5.96E-09
831	490386.72, 3860635.12	1.01E-04	1.60E-08	5.56E-09	1.24E-04	1.95E-08	6.81E-09	1.09E-04	1.71E-08	5.97E-09
832	490436.72, 3860635.12	1.01E-04	1.60E-08	5.56E-09	1.24E-04	1.95E-08	6.81E-09	1.09E-04	1.71E-08	5.97E-09
833	490486.72, 3860635.12	1.01E-04	1.60E-08	5.56E-09	1.24E-04	1.96E-08	6.81E-09	1.09E-04	1.71E-08	5.97E-09
834	490536.72, 3860635.12	1.01E-04	1.60E-08	5.57E-09	1.24E-04	1.96E-08	6.82E-09	1.09E-04	1.72E-08	5.98E-09
835	490586.72, 3860635.12	1.01E-04	1.59E-08	5.55E-09	1.24E-04	1.95E-08	6.80E-09	1.09E-04	1.71E-08	5.96E-09
836	490636.72, 3860635.12	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.78E-09	1.08E-04	1.71E-08	5.95E-09
837	490686.72, 3860635.12	1.01E-04	1.58E-08	5.52E-09	1.23E-04	1.94E-08	6.76E-09	1.08E-04	1.70E-08	5.93E-09
838	490736.72, 3860635.12	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.73E-09	1.08E-04	1.69E-08	5.90E-09
839	490786.72, 3860635.12	9.97E-05	1.57E-08	5.47E-09	1.22E-04	1.92E-08	6.70E-09	1.07E-04	1.69E-08	5.88E-09
840	490136.72, 3860685.12	9.87E-05	1.55E-08	5.42E-09	1.21E-04	1.90E-08	6.63E-09	1.06E-04	1.67E-08	5.82E-09
841	490186.72, 3860685.12	9.93E-05	1.56E-08	5.45E-09	1.22E-04	1.92E-08	6.67E-09	1.07E-04	1.68E-08	5.85E-09
842	490236.72, 3860685.12	9.89E-05	1.56E-08	5.43E-09	1.21E-04	1.91E-08	6.64E-09	1.06E-04	1.67E-08	5.83E-09
843	490286.72, 3860685.12	9.83E-05	1.55E-08	5.40E-09	1.20E-04	1.90E-08	6.61E-09	1.06E-04	1.66E-08	5.79E-09
844	490336.72, 3860685.12	9.86E-05	1.55E-08	5.41E-09	1.21E-04	1.90E-08	6.63E-09	1.06E-04	1.67E-08	5.81E-09
845	490386.72, 3860685.12	9.87E-05	1.56E-08	5.42E-09	1.21E-04	1.90E-08	6.64E-09	1.06E-04	1.67E-08	5.82E-09
846	490436.72, 3860685.12	9.87E-05	1.56E-08	5.42E-09	1.21E-04	1.90E-08	6.64E-09	1.06E-04	1.67E-08	5.82E-09
847	490486.72, 3860685.12	9.87E-05	1.55E-08	5.41E-09	1.21E-04	1.90E-08	6.63E-09	1.06E-04	1.67E-08	5.81E-09
848	490536.72, 3860685.12	9.87E-05	1.56E-08	5.42E-09	1.21E-04	1.90E-08	6.64E-09	1.06E-04	1.67E-08	5.82E-09
849	490586.72, 3860685.12	9.87E-05	1.55E-08	5.42E-09	1.21E-04	1.90E-08	6.63E-09	1.06E-04	1.67E-08	5.82E-09
850	490636.72, 3860685.12	9.87E-05	1.55E-08	5.41E-09	1.21E-04	1.90E-08	6.63E-09	1.06E-04	1.67E-08	5.81E-09
851	490686.72, 3860685.12	9.85E-05	1.55E-08	5.41E-09	1.21E-04	1.90E-08	6.62E-09	1.06E-04	1.67E-08	5.81E-09
852	490736.72, 3860685.12	9.82E-05	1.55E-08	5.39E-09	1.20E-04	1.90E-08	6.60E-09	1.05E-04	1.66E-08	5.79E-09
853	490786.72, 3860685.12	9.80E-05	1.54E-08	5.38E-09	1.20E-04	1.89E-08	6.59E-09	1.05E-04	1.66E-08	5.78E-09
854	490136.72, 3860735.12	9.56E-05	1.51E-08	5.25E-09	1.17E-04	1.84E-08	6.43E-09	1.03E-04	1.62E-08	5.64E-09
855	490186.72, 3860735.12	9.56E-05	1.51E-08	5.25E-09	1.17E-04	1.84E-08	6.43E-09	1.03E-04	1.62E-08	5.63E-09
856	490236.72, 3860735.12	9.57E-05	1.51E-08	5.25E-09	1.17E-04	1.85E-08	6.43E-09	1.03E-04	1.62E-08	5.64E-09
857	490286.72, 3860735.12	9.59E-05	1.51E-08	5.26E-09	1.17E-04	1.85E-08	6.44E-09	1.03E-04	1.62E-08	5.65E-09
858	490336.72, 3860735.12	9.60E-05	1.51E-08	5.27E-09	1.18E-04	1.85E-08	6.45E-09	1.03E-04	1.62E-08	5.66E-09
859	490386.72, 3860735.12	9.62E-05	1.52E-08	5.28E-09	1.18E-04	1.86E-08	6.47E-09	1.03E-04	1.63E-08	5.67E-09
860	490436.72, 3860735.12	9.66E-05	1.52E-08	5.30E-09	1.18E-04	1.86E-08	6.50E-09	1.04E-04	1.63E-08	5.70E-09
861	490486.72, 3860735.12	9.65E-05	1.52E-08	5.30E-09	1.18E-04	1.86E-08	6.49E-09	1.04E-04	1.63E-08	5.69E-09
862	490536.72, 3860735.12	9.63E-05	1.52E-08	5.28E-09	1.18E-04	1.86E-08	6.47E-09	1.03E-04	1.63E-08	5.67E-09
863	490586.72, 3860735.12	9.62E-05	1.52E-08	5.28E-09	1.18E-04	1.86E-08	6.47E-09	1.03E-04	1.63E-08	5.67E-09
864	490636.72, 3860735.12	9.62E-05	1.52E-08	5.28E-09	1.18E-04	1.86E-08	6.47E-09	1.03E-04	1.63E-08	5.67E-09

865	490686.72, 3860735.12	9.63E-05	1.52E-08	5.28E-09	1.18E-04	1.86E-08	6.47E-09	1.03E-04	1.63E-08	5.67E-09
866	490736.72, 3860735.12	9.63E-05	1.52E-08	5.28E-09	1.18E-04	1.86E-08	6.47E-09	1.03E-04	1.63E-08	5.67E-09
867	490136.72, 3860785.12	9.29E-05	1.46E-08	5.10E-09	1.14E-04	1.79E-08	6.24E-09	9.98E-05	1.57E-08	5.48E-09
868	490186.72, 3860785.12	9.30E-05	1.47E-08	5.11E-09	1.14E-04	1.80E-08	6.25E-09	9.99E-05	1.57E-08	5.48E-09
869	490236.72, 3860785.12	9.32E-05	1.47E-08	5.11E-09	1.14E-04	1.80E-08	6.26E-09	1.00E-04	1.58E-08	5.49E-09
870	490286.72, 3860785.12	9.33E-05	1.47E-08	5.12E-09	1.14E-04	1.80E-08	6.27E-09	1.00E-04	1.58E-08	5.50E-09
871	490336.72, 3860785.12	9.34E-05	1.47E-08	5.13E-09	1.14E-04	1.80E-08	6.28E-09	1.00E-04	1.58E-08	5.51E-09
872	490386.72, 3860785.12	9.38E-05	1.48E-08	5.15E-09	1.15E-04	1.81E-08	6.30E-09	1.01E-04	1.59E-08	5.53E-09
873	490436.72, 3860785.12	9.39E-05	1.48E-08	5.15E-09	1.15E-04	1.81E-08	6.31E-09	1.01E-04	1.59E-08	5.53E-09
874	490486.72, 3860785.12	9.42E-05	1.48E-08	5.17E-09	1.15E-04	1.82E-08	6.33E-09	1.01E-04	1.59E-08	5.55E-09
875	490536.72, 3860785.12	9.41E-05	1.48E-08	5.16E-09	1.15E-04	1.82E-08	6.32E-09	1.01E-04	1.59E-08	5.55E-09
876	490586.72, 3860785.12	9.38E-05	1.48E-08	5.15E-09	1.15E-04	1.81E-08	6.31E-09	1.01E-04	1.59E-08	5.53E-09
877	490636.72, 3860785.12	9.38E-05	1.48E-08	5.15E-09	1.15E-04	1.81E-08	6.31E-09	1.01E-04	1.59E-08	5.53E-09
878	490686.72, 3860785.12	9.39E-05	1.48E-08	5.15E-09	1.15E-04	1.81E-08	6.31E-09	1.01E-04	1.59E-08	5.53E-09
879	490736.72, 3860785.12	9.40E-05	1.48E-08	5.16E-09	1.15E-04	1.81E-08	6.32E-09	1.01E-04	1.59E-08	5.54E-09
880	490086.72, 3860835.12	9.04E-05	1.42E-08	4.96E-09	1.11E-04	1.74E-08	6.08E-09	9.71E-05	1.53E-08	5.33E-09
881	490136.72, 3860835.12	9.07E-05	1.43E-08	4.98E-09	1.11E-04	1.75E-08	6.09E-09	9.74E-05	1.53E-08	5.34E-09
882	490186.72, 3860835.12	9.07E-05	1.43E-08	4.98E-09	1.11E-04	1.75E-08	6.10E-09	9.74E-05	1.53E-08	5.35E-09
883	490236.72, 3860835.12	9.08E-05	1.43E-08	4.98E-09	1.11E-04	1.75E-08	6.10E-09	9.75E-05	1.54E-08	5.35E-09
884	490286.72, 3860835.12	9.09E-05	1.43E-08	4.99E-09	1.11E-04	1.75E-08	6.11E-09	9.77E-05	1.54E-08	5.36E-09
885	490336.72, 3860835.12	9.10E-05	1.43E-08	5.00E-09	1.11E-04	1.76E-08	6.12E-09	9.78E-05	1.54E-08	5.37E-09
886	490386.72, 3860835.12	9.12E-05	1.44E-08	5.00E-09	1.12E-04	1.76E-08	6.13E-09	9.79E-05	1.54E-08	5.37E-09
887	490436.72, 3860835.12	9.14E-05	1.44E-08	5.02E-09	1.12E-04	1.76E-08	6.14E-09	9.82E-05	1.55E-08	5.39E-09
888	490486.72, 3860835.12	9.16E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.16E-09	9.84E-05	1.55E-08	5.40E-09
889	490536.72, 3860835.12	9.17E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.16E-09	9.85E-05	1.55E-08	5.40E-09
890	490586.72, 3860835.12	9.17E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.16E-09	9.84E-05	1.55E-08	5.40E-09
891	490636.72, 3860835.12	9.16E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.16E-09	9.84E-05	1.55E-08	5.40E-09
892	490686.72, 3860835.12	9.17E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.16E-09	9.85E-05	1.55E-08	5.40E-09
893	490736.72, 3860835.12	9.18E-05	1.45E-08	5.04E-09	1.12E-04	1.77E-08	6.17E-09	9.86E-05	1.55E-08	5.41E-09
894	490086.72, 3860885.12	8.83E-05	1.39E-08	4.85E-09	1.08E-04	1.70E-08	5.94E-09	9.48E-05	1.49E-08	5.21E-09
895	490136.72, 3860885.12	8.84E-05	1.39E-08	4.85E-09	1.08E-04	1.71E-08	5.94E-09	9.50E-05	1.50E-08	5.21E-09
896	490186.72, 3860885.12	8.85E-05	1.39E-08	4.86E-09	1.08E-04	1.71E-08	5.95E-09	9.51E-05	1.50E-08	5.22E-09
897	490236.72, 3860885.12	8.86E-05	1.40E-08	4.86E-09	1.09E-04	1.71E-08	5.96E-09	9.52E-05	1.50E-08	5.22E-09
898	490286.72, 3860885.12	8.87E-05	1.40E-08	4.87E-09	1.09E-04	1.71E-08	5.96E-09	9.53E-05	1.50E-08	5.23E-09
899	490336.72, 3860885.12	8.88E-05	1.40E-08	4.87E-09	1.09E-04	1.71E-08	5.97E-09	9.53E-05	1.50E-08	5.23E-09
900	490386.72, 3860885.12	8.89E-05	1.40E-08	4.88E-09	1.09E-04	1.72E-08	5.98E-09	9.55E-05	1.50E-08	5.24E-09
901	490436.72, 3860885.12	8.92E-05	1.40E-08	4.89E-09	1.09E-04	1.72E-08	5.99E-09	9.58E-05	1.51E-08	5.26E-09
902	490486.72, 3860885.12	8.93E-05	1.41E-08	4.90E-09	1.09E-04	1.72E-08	6.00E-09	9.59E-05	1.51E-08	5.27E-09
903	490536.72, 3860885.12	8.94E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.01E-09	9.60E-05	1.51E-08	5.27E-09
904	490586.72, 3860885.12	8.95E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.01E-09	9.61E-05	1.51E-08	5.27E-09
905	490636.72, 3860885.12	8.95E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.01E-09	9.61E-05	1.51E-08	5.27E-09
906	490686.72, 3860885.12	8.95E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.02E-09	9.61E-05	1.51E-08	5.27E-09
907	490736.72, 3860885.12	8.95E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.02E-09	9.62E-05	1.51E-08	5.28E-09
908	490086.72, 3860935.12	8.61E-05	1.36E-08	4.73E-09	1.06E-04	1.66E-08	5.79E-09	9.25E-05	1.46E-08	5.08E-09
909	490136.72, 3860935.12	8.61E-05	1.36E-08	4.73E-09	1.06E-04	1.66E-08	5.79E-09	9.25E-05	1.46E-08	5.08E-09
910	490186.72, 3860935.12	8.63E-05	1.36E-08	4.74E-09	1.06E-04	1.67E-08	5.80E-09	9.27E-05	1.46E-08	5.09E-09
911	490236.72, 3860935.12	8.65E-05	1.36E-08	4.74E-09	1.06E-04	1.67E-08	5.81E-09	9.28E-05	1.46E-08	5.10E-09
912	490286.72, 3860935.12	8.66E-05	1.36E-08	4.75E-09	1.06E-04	1.67E-08	5.82E-09	9.30E-05	1.47E-08	5.11E-09
913	490336.72, 3860935.12	8.66E-05	1.36E-08	4.75E-09	1.06E-04	1.67E-08	5.82E-09	9.30E-05	1.47E-08	5.11E-09
914	490386.72, 3860935.12	8.68E-05	1.37E-08	4.77E-09	1.06E-04	1.68E-08	5.84E-09	9.33E-05	1.47E-08	5.12E-09
915	490436.72, 3860935.12	8.70E-05	1.37E-08	4.78E-09	1.07E-04	1.68E-08	5.85E-09	9.35E-05	1.47E-08	5.13E-09
916	490486.72, 3860935.12	8.71E-05	1.37E-08	4.78E-09	1.07E-04	1.68E-08	5.86E-09	9.36E-05	1.47E-08	5.14E-09
917	490536.72, 3860935.12	8.73E-05	1.38E-08	4.79E-09	1.07E-04	1.68E-08	5.87E-09	9.37E-05	1.48E-08	5.14E-09
918	490586.72, 3860935.12	8.73E-05	1.38E-08	4.79E-09	1.07E-04	1.69E-08	5.87E-09	9.38E-05	1.48E-08	5.15E-09
919	490636.72, 3860935.12	8.74E-05	1.38E-08	4.79E-09	1.07E-04	1.69E-08	5.87E-09	9.38E-05	1.48E-08	5.15E-09
920	490686.72, 3860935.12	8.74E-05	1.38E-08	4.80E-09	1.07E-04	1.69E-08	5.88E-09	9.39E-05	1.48E-08	5.15E-09
921	490736.72, 3860935.12	8.75E-05	1.38E-08	4.80E-09	1.07E-04	1.69E-08	5.88E-09	9.39E-05	1.48E-08	5.16E-09
922	490786.72, 3860935.12	8.75E-05	1.38E-08	4.80E-09	1.07E-04	1.69E-08	5.88E-09	9.40E-05	1.48E-08	5.16E-09
923	490836.72, 3860935.12	8.76E-05	1.38E-08	4.81E-09	1.07E-04	1.69E-08	5.89E-09	9.41E-05	1.48E-08	5.16E-09
924	490086.72, 3860985.12	8.42E-05	1.33E-08	4.62E-09	1.03E-04	1.62E-08	5.66E-09	9.04E-05	1.42E-08	4.96E-09
925	490136.72, 3860985.12	8.43E-05	1.33E-08	4.62E-09	1.03E-04	1.63E-08	5.66E-09	9.05E-05	1.43E-08	4.97E-09
926	490186.72, 3860985.12	8.44E-05	1.33E-08	4.63E-09	1.03E-04	1.63E-08	5.68E-09	9.07E-05	1.43E-08	4.98E-09

927	490236.72, 3860985.12	8.44E-05	1.33E-08	4.63E-09	1.03E-04	1.63E-08	5.68E-09	9.07E-05	1.43E-08	4.98E-09
928	490286.72, 3860985.12	8.45E-05	1.33E-08	4.64E-09	1.04E-04	1.63E-08	5.68E-09	9.08E-05	1.43E-08	4.98E-09
929	490336.72, 3860985.12	8.46E-05	1.33E-08	4.64E-09	1.04E-04	1.63E-08	5.69E-09	9.09E-05	1.43E-08	4.99E-09
930	490386.72, 3860985.12	8.48E-05	1.34E-08	4.65E-09	1.04E-04	1.64E-08	5.70E-09	9.10E-05	1.43E-08	5.00E-09
931	490436.72, 3860985.12	8.50E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.72E-09	9.13E-05	1.44E-08	5.01E-09
932	490486.72, 3860985.12	8.51E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.72E-09	9.14E-05	1.44E-08	5.02E-09
933	490536.72, 3860985.12	8.52E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.73E-09	9.15E-05	1.44E-08	5.02E-09
934	490586.72, 3860985.12	8.52E-05	1.34E-08	4.68E-09	1.04E-04	1.64E-08	5.73E-09	9.15E-05	1.44E-08	5.02E-09
935	490636.72, 3860985.12	8.54E-05	1.34E-08	4.69E-09	1.05E-04	1.65E-08	5.74E-09	9.17E-05	1.44E-08	5.03E-09
936	490686.72, 3860985.12	8.54E-05	1.35E-08	4.69E-09	1.05E-04	1.65E-08	5.74E-09	9.17E-05	1.45E-08	5.03E-09
937	490736.72, 3860985.12	8.54E-05	1.35E-08	4.69E-09	1.05E-04	1.65E-08	5.74E-09	9.18E-05	1.45E-08	5.04E-09
938	490786.72, 3860985.12	8.55E-05	1.35E-08	4.69E-09	1.05E-04	1.65E-08	5.75E-09	9.18E-05	1.45E-08	5.04E-09
939	490836.72, 3860985.12	8.56E-05	1.35E-08	4.70E-09	1.05E-04	1.65E-08	5.76E-09	9.20E-05	1.45E-08	5.05E-09
940	490086.72, 3861035.12	8.23E-05	1.30E-08	4.51E-09	1.01E-04	1.59E-08	5.53E-09	8.83E-05	1.39E-08	4.85E-09
941	490136.72, 3861035.12	8.24E-05	1.30E-08	4.52E-09	1.01E-04	1.59E-08	5.54E-09	8.85E-05	1.39E-08	4.85E-09
942	490186.72, 3861035.12	8.24E-05	1.30E-08	4.53E-09	1.01E-04	1.59E-08	5.54E-09	8.85E-05	1.39E-08	4.86E-09
943	490236.72, 3861035.12	8.26E-05	1.30E-08	4.53E-09	1.01E-04	1.59E-08	5.55E-09	8.87E-05	1.40E-08	4.87E-09
944	490286.72, 3861035.12	8.26E-05	1.30E-08	4.53E-09	1.01E-04	1.59E-08	5.55E-09	8.87E-05	1.40E-08	4.87E-09
945	490336.72, 3861035.12	8.26E-05	1.30E-08	4.54E-09	1.01E-04	1.59E-08	5.56E-09	8.88E-05	1.40E-08	4.87E-09
946	490386.72, 3861035.12	8.29E-05	1.31E-08	4.55E-09	1.01E-04	1.60E-08	5.57E-09	8.90E-05	1.40E-08	4.88E-09
947	490436.72, 3861035.12	8.31E-05	1.31E-08	4.56E-09	1.02E-04	1.60E-08	5.58E-09	8.92E-05	1.41E-08	4.90E-09
948	490486.72, 3861035.12	8.32E-05	1.31E-08	4.57E-09	1.02E-04	1.61E-08	5.59E-09	8.93E-05	1.41E-08	4.90E-09
949	490536.72, 3861035.12	8.33E-05	1.31E-08	4.57E-09	1.02E-04	1.61E-08	5.60E-09	8.94E-05	1.41E-08	4.91E-09
950	490586.72, 3861035.12	8.33E-05	1.31E-08	4.57E-09	1.02E-04	1.61E-08	5.60E-09	8.95E-05	1.41E-08	4.91E-09
951	490636.72, 3861035.12	8.34E-05	1.31E-08	4.57E-09	1.02E-04	1.61E-08	5.60E-09	8.95E-05	1.41E-08	4.91E-09
952	490686.72, 3861035.12	8.34E-05	1.31E-08	4.58E-09	1.02E-04	1.61E-08	5.61E-09	8.96E-05	1.41E-08	4.92E-09
953	490736.72, 3861035.12	8.35E-05	1.31E-08	4.58E-09	1.02E-04	1.61E-08	5.61E-09	8.96E-05	1.41E-08	4.92E-09
954	490786.72, 3861035.12	8.36E-05	1.32E-08	4.59E-09	1.02E-04	1.61E-08	5.62E-09	8.97E-05	1.41E-08	4.93E-09
955	490836.72, 3861035.12	8.37E-05	1.32E-08	4.59E-09	1.03E-04	1.61E-08	5.63E-09	8.99E-05	1.42E-08	4.93E-09
956	490086.72, 3861085.12	8.04E-05	1.27E-08	4.41E-09	9.85E-05	1.55E-08	5.41E-09	8.64E-05	1.36E-08	4.74E-09
957	490136.72, 3861085.12	8.06E-05	1.27E-08	4.43E-09	9.88E-05	1.56E-08	5.42E-09	8.66E-05	1.36E-08	4.75E-09
958	490186.72, 3861085.12	8.09E-05	1.27E-08	4.44E-09	9.90E-05	1.56E-08	5.43E-09	8.68E-05	1.37E-08	4.77E-09
959	490236.72, 3861085.12	8.08E-05	1.27E-08	4.44E-09	9.90E-05	1.56E-08	5.43E-09	8.68E-05	1.37E-08	4.76E-09
960	490286.72, 3861085.12	8.08E-05	1.27E-08	4.44E-09	9.90E-05	1.56E-08	5.43E-09	8.68E-05	1.37E-08	4.77E-09
961	490336.72, 3861085.12	8.09E-05	1.27E-08	4.44E-09	9.90E-05	1.56E-08	5.44E-09	8.69E-05	1.37E-08	4.77E-09
962	490386.72, 3861085.12	8.11E-05	1.28E-08	4.45E-09	9.93E-05	1.56E-08	5.45E-09	8.70E-05	1.37E-08	4.78E-09
963	490436.72, 3861085.12	8.12E-05	1.28E-08	4.45E-09	9.94E-05	1.57E-08	5.46E-09	8.72E-05	1.37E-08	4.78E-09
964	490486.72, 3861085.12	8.13E-05	1.28E-08	4.46E-09	9.95E-05	1.57E-08	5.46E-09	8.73E-05	1.37E-08	4.79E-09
965	490536.72, 3861085.12	8.14E-05	1.28E-08	4.47E-09	9.97E-05	1.57E-08	5.47E-09	8.75E-05	1.38E-08	4.80E-09
966	490586.72, 3861085.12	8.15E-05	1.28E-08	4.47E-09	9.98E-05	1.57E-08	5.48E-09	8.75E-05	1.38E-08	4.80E-09
967	490636.72, 3861085.12	8.14E-05	1.28E-08	4.47E-09	9.97E-05	1.57E-08	5.47E-09	8.74E-05	1.38E-08	4.80E-09
968	490686.72, 3861085.12	8.15E-05	1.28E-08	4.47E-09	9.98E-05	1.57E-08	5.48E-09	8.75E-05	1.38E-08	4.80E-09
969	490736.72, 3861085.12	8.16E-05	1.29E-08	4.48E-09	9.99E-05	1.57E-08	5.48E-09	8.76E-05	1.38E-08	4.81E-09
970	490786.72, 3861085.12	8.17E-05	1.29E-08	4.48E-09	1.00E-04	1.58E-08	5.49E-09	8.77E-05	1.38E-08	4.82E-09
971	490836.72, 3861085.12	8.18E-05	1.29E-08	4.49E-09	1.00E-04	1.58E-08	5.50E-09	8.78E-05	1.38E-08	4.82E-09
972	490086.72, 3861135.12	7.87E-05	1.24E-08	4.32E-09	9.64E-05	1.52E-08	5.29E-09	8.45E-05	1.33E-08	4.64E-09
973	490136.72, 3861135.12	7.88E-05	1.24E-08	4.33E-09	9.66E-05	1.52E-08	5.30E-09	8.47E-05	1.33E-08	4.65E-09
974	490186.72, 3861135.12	7.90E-05	1.24E-08	4.34E-09	9.68E-05	1.52E-08	5.31E-09	8.49E-05	1.34E-08	4.66E-09
975	490236.72, 3861135.12	7.91E-05	1.25E-08	4.34E-09	9.69E-05	1.53E-08	5.32E-09	8.50E-05	1.34E-08	4.67E-09
976	490286.72, 3861135.12	7.92E-05	1.25E-08	4.35E-09	9.70E-05	1.53E-08	5.32E-09	8.50E-05	1.34E-08	4.67E-09
977	490336.72, 3861135.12	7.92E-05	1.25E-08	4.35E-09	9.70E-05	1.53E-08	5.32E-09	8.51E-05	1.34E-08	4.67E-09
978	490386.72, 3861135.12	7.93E-05	1.25E-08	4.35E-09	9.71E-05	1.53E-08	5.33E-09	8.52E-05	1.34E-08	4.68E-09
979	490436.72, 3861135.12	7.94E-05	1.25E-08	4.36E-09	9.72E-05	1.53E-08	5.34E-09	8.53E-05	1.34E-08	4.68E-09
980	490486.72, 3861135.12	7.95E-05	1.25E-08	4.36E-09	9.74E-05	1.53E-08	5.34E-09	8.54E-05	1.34E-08	4.68E-09
981	490536.72, 3861135.12	7.96E-05	1.25E-08	4.37E-09	9.75E-05	1.54E-08	5.35E-09	8.55E-05	1.35E-08	4.69E-09
982	490586.72, 3861135.12	7.96E-05	1.25E-08	4.37E-09	9.75E-05	1.54E-08	5.35E-09	8.55E-05	1.35E-08	4.69E-09
983	490636.72, 3861135.12	7.96E-05	1.25E-08	4.37E-09	9.75E-05	1.54E-08	5.35E-09	8.55E-05	1.35E-08	4.69E-09
984	490686.72, 3861135.12	7.97E-05	1.26E-08	4.37E-09	9.76E-05	1.54E-08	5.36E-09	8.56E-05	1.35E-08	4.70E-09
985	490736.72, 3861135.12	7.98E-05	1.26E-08	4.38E-09	9.78E-05	1.54E-08	5.37E-09	8.57E-05	1.35E-08	4.70E-09
986	490786.72, 3861135.12	7.99E-05	1.26E-08	4.39E-09	9.79E-05	1.54E-08	5.37E-09	8.58E-05	1.35E-08	4.71E-09
987	490836.72, 3861135.12	8.00E-05	1.26E-08	4.39E-09	9.80E-05	1.54E-08	5.38E-09	8.59E-05	1.35E-08	4.71E-09
988	490086.72, 3861185.12	7.70E-05	1.21E-08	4.23E-09	9.43E-05	1.49E-08	5.17E-09	8.27E-05	1.30E-08	4.54E-09

989	490136.72, 3861185.12	7.70E-05	1.21E-08	4.23E-09	9.43E-05	1.49E-08	5.18E-09	8.27E-05	1.30E-08	4.54E-09
990	490186.72, 3861185.12	7.72E-05	1.22E-08	4.23E-09	9.45E-05	1.49E-08	5.19E-09	8.29E-05	1.31E-08	4.55E-09
991	490236.72, 3861185.12	7.73E-05	1.22E-08	4.24E-09	9.47E-05	1.49E-08	5.20E-09	8.30E-05	1.31E-08	4.56E-09
992	490286.72, 3861185.12	7.75E-05	1.22E-08	4.25E-09	9.49E-05	1.50E-08	5.21E-09	8.32E-05	1.31E-08	4.57E-09
993	490336.72, 3861185.12	7.74E-05	1.22E-08	4.25E-09	9.48E-05	1.49E-08	5.20E-09	8.31E-05	1.31E-08	4.56E-09
994	490386.72, 3861185.12	7.75E-05	1.22E-08	4.25E-09	9.49E-05	1.50E-08	5.21E-09	8.32E-05	1.31E-08	4.57E-09
995	490436.72, 3861185.12	7.77E-05	1.22E-08	4.26E-09	9.51E-05	1.50E-08	5.22E-09	8.34E-05	1.31E-08	4.58E-09
996	490486.72, 3861185.12	7.77E-05	1.22E-08	4.27E-09	9.52E-05	1.50E-08	5.22E-09	8.35E-05	1.32E-08	4.58E-09
997	490536.72, 3861185.12	7.80E-05	1.23E-08	4.28E-09	9.55E-05	1.50E-08	5.24E-09	8.37E-05	1.32E-08	4.60E-09
998	490586.72, 3861185.12	7.80E-05	1.23E-08	4.28E-09	9.55E-05	1.50E-08	5.24E-09	8.37E-05	1.32E-08	4.60E-09
999	490636.72, 3861185.12	7.79E-05	1.23E-08	4.27E-09	9.54E-05	1.50E-08	5.24E-09	8.36E-05	1.32E-08	4.59E-09
1000	490686.72, 3861185.12	7.79E-05	1.23E-08	4.28E-09	9.54E-05	1.50E-08	5.24E-09	8.37E-05	1.32E-08	4.59E-09
1001	490736.72, 3861185.12	7.81E-05	1.23E-08	4.29E-09	9.57E-05	1.51E-08	5.25E-09	8.39E-05	1.32E-08	4.60E-09
1002	490786.72, 3861185.12	7.82E-05	1.23E-08	4.29E-09	9.58E-05	1.51E-08	5.26E-09	8.40E-05	1.32E-08	4.61E-09
1003	490836.72, 3861185.12	7.83E-05	1.23E-08	4.30E-09	9.59E-05	1.51E-08	5.26E-09	8.41E-05	1.32E-08	4.62E-09
1004	490086.72, 3861235.12	7.53E-05	1.19E-08	4.13E-09	9.22E-05	1.45E-08	5.06E-09	8.09E-05	1.27E-08	4.44E-09
1005	490136.72, 3861235.12	7.54E-05	1.19E-08	4.14E-09	9.23E-05	1.45E-08	5.07E-09	8.10E-05	1.28E-08	4.44E-09
1006	490186.72, 3861235.12	7.55E-05	1.19E-08	4.14E-09	9.25E-05	1.46E-08	5.08E-09	8.11E-05	1.28E-08	4.45E-09
1007	490236.72, 3861235.12	7.56E-05	1.19E-08	4.15E-09	9.25E-05	1.46E-08	5.08E-09	8.11E-05	1.28E-08	4.45E-09
1008	490386.72, 3861235.12	7.58E-05	1.19E-08	4.16E-09	9.28E-05	1.46E-08	5.09E-09	8.14E-05	1.28E-08	4.46E-09
1009	490436.72, 3861235.12	7.58E-05	1.19E-08	4.16E-09	9.28E-05	1.46E-08	5.09E-09	8.14E-05	1.28E-08	4.47E-09
1010	490486.72, 3861235.12	7.59E-05	1.20E-08	4.16E-09	9.29E-05	1.46E-08	5.10E-09	8.15E-05	1.28E-08	4.47E-09
1011	490536.72, 3861235.12	7.62E-05	1.20E-08	4.18E-09	9.34E-05	1.47E-08	5.12E-09	8.19E-05	1.29E-08	4.49E-09
1012	490586.72, 3861235.12	7.64E-05	1.20E-08	4.20E-09	9.36E-05	1.47E-08	5.14E-09	8.21E-05	1.29E-08	4.51E-09
1013	490636.72, 3861235.12	7.62E-05	1.20E-08	4.18E-09	9.33E-05	1.47E-08	5.12E-09	8.18E-05	1.29E-08	4.49E-09
1014	490686.72, 3861235.12	7.63E-05	1.20E-08	4.19E-09	9.34E-05	1.47E-08	5.13E-09	8.19E-05	1.29E-08	4.50E-09
1015	490736.72, 3861235.12	7.64E-05	1.20E-08	4.19E-09	9.36E-05	1.47E-08	5.14E-09	8.21E-05	1.29E-08	4.50E-09
1016	490786.72, 3861235.12	7.66E-05	1.21E-08	4.20E-09	9.38E-05	1.48E-08	5.15E-09	8.23E-05	1.30E-08	4.51E-09
1017	490836.72, 3861235.12	7.67E-05	1.21E-08	4.21E-09	9.39E-05	1.48E-08	5.16E-09	8.24E-05	1.30E-08	4.52E-09
1018	490086.72, 3861285.12	7.38E-05	1.16E-08	4.05E-09	9.04E-05	1.42E-08	4.96E-09	7.93E-05	1.25E-08	4.35E-09
1019	490136.72, 3861285.12	7.40E-05	1.17E-08	4.06E-09	9.07E-05	1.43E-08	4.98E-09	7.95E-05	1.25E-08	4.36E-09
1020	490186.72, 3861285.12	7.40E-05	1.17E-08	4.06E-09	9.06E-05	1.43E-08	4.97E-09	7.95E-05	1.25E-08	4.36E-09
1021	490236.72, 3861285.12	7.40E-05	1.17E-08	4.06E-09	9.07E-05	1.43E-08	4.98E-09	7.95E-05	1.25E-08	4.36E-09
1022	490386.72, 3861285.12	7.42E-05	1.17E-08	4.07E-09	9.09E-05	1.43E-08	4.99E-09	7.97E-05	1.26E-08	4.37E-09
1023	490436.72, 3861285.12	7.43E-05	1.17E-08	4.08E-09	9.10E-05	1.43E-08	5.00E-09	7.98E-05	1.26E-08	4.38E-09
1024	490486.72, 3861285.12	7.43E-05	1.17E-08	4.08E-09	9.10E-05	1.43E-08	5.00E-09	7.98E-05	1.26E-08	4.38E-09
1025	490536.72, 3861285.12	7.44E-05	1.17E-08	4.08E-09	9.12E-05	1.44E-08	5.00E-09	7.99E-05	1.26E-08	4.39E-09
1026	490586.72, 3861285.12	7.46E-05	1.17E-08	4.09E-09	9.13E-05	1.44E-08	5.01E-09	8.01E-05	1.26E-08	4.40E-09
1027	490636.72, 3861285.12	7.45E-05	1.17E-08	4.09E-09	9.13E-05	1.44E-08	5.01E-09	8.00E-05	1.26E-08	4.39E-09
1028	490686.72, 3861285.12	7.46E-05	1.18E-08	4.09E-09	9.14E-05	1.44E-08	5.01E-09	8.01E-05	1.26E-08	4.40E-09
1029	490736.72, 3861285.12	7.49E-05	1.18E-08	4.11E-09	9.17E-05	1.44E-08	5.03E-09	8.04E-05	1.27E-08	4.41E-09
1030	490786.72, 3861285.12	7.49E-05	1.18E-08	4.11E-09	9.18E-05	1.45E-08	5.04E-09	8.05E-05	1.27E-08	4.42E-09
1031	490836.72, 3861285.12	7.50E-05	1.18E-08	4.11E-09	9.18E-05	1.45E-08	5.04E-09	8.05E-05	1.27E-08	4.42E-09
1032	490061.24, 3859716.13	1.69E-04	2.66E-08	9.28E-09	2.07E-04	3.26E-08	1.14E-08	1.82E-04	2.86E-08	9.97E-09
1033	490111.24, 3859716.13	1.68E-04	2.65E-08	9.24E-09	2.06E-04	3.25E-08	1.13E-08	1.81E-04	2.85E-08	9.92E-09
1034	490161.24, 3859716.13	1.68E-04	2.64E-08	9.20E-09	2.05E-04	3.24E-08	1.13E-08	1.80E-04	2.84E-08	9.89E-09
1035	490211.24, 3859716.13	1.67E-04	2.63E-08	9.17E-09	2.05E-04	3.22E-08	1.12E-08	1.79E-04	2.83E-08	9.85E-09
1036	490061.24, 3859766.13	1.64E-04	2.58E-08	8.98E-09	2.00E-04	3.16E-08	1.10E-08	1.76E-04	2.77E-08	9.65E-09
1037	490111.24, 3859766.13	1.63E-04	2.56E-08	8.93E-09	1.99E-04	3.14E-08	1.09E-08	1.75E-04	2.75E-08	9.59E-09
1038	490161.24, 3859766.13	1.62E-04	2.55E-08	8.88E-09	1.98E-04	3.12E-08	1.09E-08	1.74E-04	2.74E-08	9.54E-09
1039	490211.24, 3859766.13	1.61E-04	2.54E-08	8.84E-09	1.97E-04	3.11E-08	1.08E-08	1.73E-04	2.73E-08	9.49E-09
1040	490061.24, 3859816.13	1.59E-04	2.50E-08	8.72E-09	1.95E-04	3.06E-08	1.07E-08	1.71E-04	2.69E-08	9.36E-09
1041	490111.24, 3859816.13	1.58E-04	2.48E-08	8.65E-09	1.93E-04	3.04E-08	1.06E-08	1.69E-04	2.67E-08	9.29E-09
1042	490161.24, 3859816.13	1.57E-04	2.47E-08	8.60E-09	1.92E-04	3.02E-08	1.05E-08	1.68E-04	2.65E-08	9.23E-09
1043	490211.24, 3859816.13	1.56E-04	2.45E-08	8.55E-09	1.91E-04	3.00E-08	1.05E-08	1.67E-04	2.64E-08	9.18E-09
1044	490061.24, 3859866.13	1.54E-04	2.43E-08	8.47E-09	1.89E-04	2.98E-08	1.04E-08	1.66E-04	2.61E-08	9.10E-09
1045	490111.24, 3859866.13	1.53E-04	2.41E-08	8.41E-09	1.88E-04	2.96E-08	1.03E-08	1.65E-04	2.59E-08	9.03E-09
1046	490161.24, 3859866.13	1.52E-04	2.40E-08	8.35E-09	1.86E-04	2.94E-08	1.02E-08	1.63E-04	2.58E-08	8.97E-09
1047	490211.24, 3859866.13	1.51E-04	2.38E-08	8.30E-09	1.85E-04	2.92E-08	1.02E-08	1.62E-04	2.56E-08	8.91E-09
1048	490061.24, 3859916.13	1.50E-04	2.36E-08	8.24E-09	1.84E-04	2.90E-08	1.01E-08	1.61E-04	2.54E-08	8.85E-09
1049	490111.24, 3859916.13	1.49E-04	2.35E-08	8.18E-09	1.83E-04	2.88E-08	1.00E-08	1.60E-04	2.52E-08	8.79E-09
1050	490161.24, 3859916.13	1.48E-04	2.33E-08	8.13E-09	1.81E-04	2.86E-08	9.95E-09	1.59E-04	2.51E-08	8.73E-09

1051	490211.24, 3859916.13	1.47E-04	2.32E-08	8.07E-09	1.80E-04	2.84E-08	9.88E-09	1.58E-04	2.49E-08	8.67E-09
1052	490229.25, 3859815.26	1.56E-04	2.45E-08	8.54E-09	1.91E-04	3.00E-08	1.05E-08	1.67E-04	2.63E-08	9.17E-09
1053	490279.25, 3859815.26	1.55E-04	2.44E-08	8.50E-09	1.90E-04	2.99E-08	1.04E-08	1.66E-04	2.62E-08	9.13E-09
1054	490329.25, 3859815.26	1.54E-04	2.43E-08	8.46E-09	1.89E-04	2.98E-08	1.04E-08	1.66E-04	2.61E-08	9.09E-09
1055	490379.25, 3859815.26	1.54E-04	2.43E-08	8.45E-09	1.89E-04	2.97E-08	1.04E-08	1.65E-04	2.61E-08	9.08E-09
1056	490429.25, 3859815.26	1.54E-04	2.43E-08	8.45E-09	1.89E-04	2.97E-08	1.04E-08	1.65E-04	2.61E-08	9.08E-09
1057	490229.25, 3859865.26	1.51E-04	2.38E-08	8.29E-09	1.85E-04	2.91E-08	1.01E-08	1.62E-04	2.55E-08	8.90E-09
1058	490279.25, 3859865.26	1.50E-04	2.36E-08	8.24E-09	1.84E-04	2.90E-08	1.01E-08	1.61E-04	2.54E-08	8.85E-09
1059	490329.25, 3859865.26	1.49E-04	2.35E-08	8.19E-09	1.83E-04	2.88E-08	1.00E-08	1.60E-04	2.53E-08	8.80E-09
1060	490379.25, 3859865.26	1.49E-04	2.34E-08	8.16E-09	1.82E-04	2.87E-08	1.00E-08	1.60E-04	2.52E-08	8.77E-09
1061	490429.25, 3859865.26	1.48E-04	2.34E-08	8.14E-09	1.82E-04	2.86E-08	9.98E-09	1.59E-04	2.51E-08	8.75E-09
1062	490229.25, 3859915.26	1.47E-04	2.31E-08	8.05E-09	1.80E-04	2.83E-08	9.86E-09	1.58E-04	2.48E-08	8.65E-09
1063	490279.25, 3859915.26	1.46E-04	2.30E-08	8.00E-09	1.78E-04	2.81E-08	9.79E-09	1.57E-04	2.47E-08	8.59E-09
1064	490329.25, 3859915.26	1.45E-04	2.28E-08	7.95E-09	1.77E-04	2.79E-08	9.74E-09	1.56E-04	2.45E-08	8.54E-09
1065	490379.25, 3859915.26	1.44E-04	2.27E-08	7.91E-09	1.77E-04	2.78E-08	9.69E-09	1.55E-04	2.44E-08	8.50E-09
1066	490429.25, 3859915.26	1.44E-04	2.26E-08	7.88E-09	1.76E-04	2.77E-08	9.65E-09	1.54E-04	2.43E-08	8.46E-09
1067	490451.43, 3859872.59	1.47E-04	2.32E-08	8.09E-09	1.81E-04	2.85E-08	9.91E-09	1.58E-04	2.50E-08	8.69E-09
1068	490501.43, 3859872.59	1.47E-04	2.32E-08	8.09E-09	1.81E-04	2.84E-08	9.91E-09	1.58E-04	2.49E-08	8.69E-09
1069	490551.43, 3859872.59	1.48E-04	2.33E-08	8.11E-09	1.81E-04	2.85E-08	9.93E-09	1.59E-04	2.50E-08	8.71E-09
1070	490601.43, 3859872.59	1.48E-04	2.33E-08	8.13E-09	1.81E-04	2.86E-08	9.95E-09	1.59E-04	2.51E-08	8.73E-09
1071	490451.43, 3859922.59	1.43E-04	2.25E-08	7.83E-09	1.75E-04	2.75E-08	9.59E-09	1.53E-04	2.41E-08	8.41E-09
1072	490501.43, 3859922.59	1.42E-04	2.24E-08	7.81E-09	1.74E-04	2.75E-08	9.57E-09	1.53E-04	2.41E-08	8.39E-09
1073	490551.43, 3859922.59	1.42E-04	2.24E-08	7.81E-09	1.74E-04	2.75E-08	9.57E-09	1.53E-04	2.41E-08	8.39E-09
1074	490601.43, 3859922.59	1.43E-04	2.25E-08	7.83E-09	1.75E-04	2.75E-08	9.59E-09	1.53E-04	2.41E-08	8.41E-09
1075	482129.67, 3852241.07	8.34E-05	1.31E-08	4.58E-09	1.02E-04	1.61E-08	5.60E-09	8.96E-05	1.41E-08	4.92E-09
1076	482029.67, 3852291.07	8.48E-05	1.34E-08	4.65E-09	1.04E-04	1.64E-08	5.70E-09	9.11E-05	1.44E-08	5.00E-09
1077	482079.67, 3852291.07	8.52E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.73E-09	9.15E-05	1.44E-08	5.02E-09
1078	482129.67, 3852291.07	8.54E-05	1.35E-08	4.69E-09	1.05E-04	1.65E-08	5.74E-09	9.18E-05	1.45E-08	5.04E-09
1079	482179.67, 3852291.07	8.54E-05	1.35E-08	4.69E-09	1.05E-04	1.65E-08	5.74E-09	9.18E-05	1.45E-08	5.04E-09
1080	482229.67, 3852291.07	8.52E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.72E-09	9.15E-05	1.44E-08	5.02E-09
1081	482029.67, 3852341.07	8.62E-05	1.36E-08	4.73E-09	1.06E-04	1.66E-08	5.80E-09	9.26E-05	1.46E-08	5.08E-09
1082	482079.67, 3852341.07	8.69E-05	1.37E-08	4.77E-09	1.06E-04	1.68E-08	5.84E-09	9.33E-05	1.47E-08	5.12E-09
1083	482129.67, 3852341.07	8.72E-05	1.37E-08	4.79E-09	1.07E-04	1.68E-08	5.86E-09	9.38E-05	1.48E-08	5.15E-09
1084	482179.67, 3852341.07	8.75E-05	1.38E-08	4.80E-09	1.07E-04	1.69E-08	5.88E-09	9.41E-05	1.48E-08	5.16E-09
1085	482259.06, 3852400.14	8.95E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.02E-09	9.62E-05	1.52E-08	5.28E-09
1086	482309.06, 3852400.14	9.00E-05	1.42E-08	4.94E-09	1.10E-04	1.74E-08	6.05E-09	9.67E-05	1.52E-08	5.31E-09
1087	482209.06, 3852450.14	9.13E-05	1.44E-08	5.01E-09	1.12E-04	1.76E-08	6.14E-09	9.81E-05	1.55E-08	5.39E-09
1088	482259.06, 3852450.14	9.17E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.16E-09	9.85E-05	1.55E-08	5.41E-09
1089	482309.06, 3852450.14	9.23E-05	1.45E-08	5.07E-09	1.13E-04	1.78E-08	6.20E-09	9.92E-05	1.56E-08	5.44E-09
1090	482209.06, 3852500.14	9.33E-05	1.47E-08	5.12E-09	1.14E-04	1.80E-08	6.27E-09	1.00E-04	1.58E-08	5.50E-09
1091	482259.06, 3852500.14	9.39E-05	1.48E-08	5.15E-09	1.15E-04	1.81E-08	6.31E-09	1.01E-04	1.59E-08	5.54E-09
1092	482309.06, 3852500.14	9.44E-05	1.49E-08	5.18E-09	1.16E-04	1.82E-08	6.35E-09	1.01E-04	1.60E-08	5.57E-09
1093	482283.91, 3852513.62	9.47E-05	1.49E-08	5.20E-09	1.16E-04	1.83E-08	6.36E-09	1.02E-04	1.60E-08	5.58E-09
1094	482333.91, 3852513.62	9.51E-05	1.50E-08	5.22E-09	1.17E-04	1.84E-08	6.39E-09	1.02E-04	1.61E-08	5.61E-09
1095	482283.91, 3852563.62	9.66E-05	1.52E-08	5.30E-09	1.18E-04	1.86E-08	6.50E-09	1.04E-04	1.64E-08	5.70E-09
1096	482333.91, 3852563.62	9.71E-05	1.53E-08	5.33E-09	1.19E-04	1.87E-08	6.53E-09	1.04E-04	1.64E-08	5.73E-09
1097	482383.91, 3852563.62	9.74E-05	1.53E-08	5.34E-09	1.19E-04	1.88E-08	6.55E-09	1.05E-04	1.65E-08	5.74E-09
1098	482283.91, 3852613.62	9.91E-05	1.56E-08	5.44E-09	1.21E-04	1.91E-08	6.66E-09	1.06E-04	1.68E-08	5.84E-09
1099	482333.91, 3852613.62	9.94E-05	1.57E-08	5.45E-09	1.22E-04	1.92E-08	6.68E-09	1.07E-04	1.68E-08	5.86E-09
1100	482383.91, 3852613.62	9.96E-05	1.57E-08	5.47E-09	1.22E-04	1.92E-08	6.70E-09	1.07E-04	1.69E-08	5.88E-09
1101	482602.38, 3852600.87	1.02E-04	1.60E-08	5.58E-09	1.24E-04	1.96E-08	6.83E-09	1.09E-04	1.72E-08	6.00E-09
1102	482652.38, 3852600.87	1.02E-04	1.60E-08	5.59E-09	1.25E-04	1.96E-08	6.84E-09	1.09E-04	1.72E-08	6.01E-09
1103	482702.38, 3852600.87	1.01E-04	1.59E-08	5.55E-09	1.24E-04	1.95E-08	6.80E-09	1.09E-04	1.71E-08	5.97E-09
1104	482552.38, 3852650.87	1.04E-04	1.64E-08	5.72E-09	1.28E-04	2.01E-08	7.00E-09	1.12E-04	1.76E-08	6.14E-09
1105	482602.38, 3852650.87	1.05E-04	1.65E-08	5.75E-09	1.28E-04	2.02E-08	7.04E-09	1.13E-04	1.77E-08	6.18E-09
1106	482652.38, 3852650.87	1.05E-04	1.66E-08	5.77E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.78E-08	6.20E-09
1107	482702.38, 3852650.87	1.05E-04	1.66E-08	5.78E-09	1.29E-04	2.03E-08	7.08E-09	1.13E-04	1.78E-08	6.21E-09
1108	482552.38, 3852700.87	1.07E-04	1.68E-08	5.87E-09	1.31E-04	2.06E-08	7.19E-09	1.15E-04	1.81E-08	6.31E-09
1109	482602.38, 3852700.87	1.08E-04	1.70E-08	5.91E-09	1.32E-04	2.08E-08	7.24E-09	1.16E-04	1.82E-08	6.35E-09
1110	482652.38, 3852700.87	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.83E-08	6.36E-09
1111	482702.38, 3852700.87	1.09E-04	1.71E-08	5.96E-09	1.33E-04	2.09E-08	7.30E-09	1.17E-04	1.84E-08	6.40E-09
1112	482452.38, 3852750.87	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.83E-08	6.36E-09

1113	482521.29, 3852749.74	1.09E-04	1.71E-08	5.97E-09	1.33E-04	2.10E-08	7.32E-09	1.17E-04	1.84E-08	6.42E-09
1114	482571.29, 3852749.74	1.10E-04	1.73E-08	6.03E-09	1.34E-04	2.12E-08	7.38E-09	1.18E-04	1.86E-08	6.48E-09
1115	482521.29, 3852799.74	1.12E-04	1.76E-08	6.12E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.58E-09
1116	482571.29, 3852799.74	1.12E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.56E-09	1.21E-04	1.90E-08	6.64E-09
1117	482621.29, 3852799.74	1.14E-04	1.79E-08	6.24E-09	1.39E-04	2.19E-08	7.64E-09	1.22E-04	1.92E-08	6.71E-09
1118	482571.29, 3852849.74	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.82E-09
1119	482621.29, 3852849.74	1.17E-04	1.85E-08	6.43E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.91E-09
1120	482577.42, 3852901.55	1.20E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.05E-09
1121	482627.42, 3852901.55	1.21E-04	1.91E-08	6.65E-09	1.49E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.15E-09
1122	482629.96, 3852955.85	1.25E-04	1.97E-08	6.88E-09	1.54E-04	2.42E-08	8.43E-09	1.35E-04	2.12E-08	7.39E-09
1123	482679.96, 3852955.85	1.27E-04	2.01E-08	6.99E-09	1.56E-04	2.46E-08	8.56E-09	1.37E-04	2.16E-08	7.51E-09
1124	482781.63, 3853034.48	1.38E-04	2.18E-08	7.59E-09	1.70E-04	2.67E-08	9.30E-09	1.49E-04	2.34E-08	8.17E-09
1125	482831.63, 3853034.48	1.39E-04	2.19E-08	7.64E-09	1.70E-04	2.68E-08	9.35E-09	1.50E-04	2.36E-08	8.21E-09
1126	482881.63, 3853034.48	1.39E-04	2.19E-08	7.64E-09	1.70E-04	2.69E-08	9.35E-09	1.50E-04	2.36E-08	8.21E-09
1127	482781.63, 3853084.48	1.44E-04	2.27E-08	7.89E-09	1.76E-04	2.78E-08	9.67E-09	1.55E-04	2.44E-08	8.49E-09
1128	482831.63, 3853084.48	1.45E-04	2.28E-08	7.95E-09	1.78E-04	2.80E-08	9.74E-09	1.56E-04	2.45E-08	8.55E-09
1129	482881.63, 3853084.48	1.45E-04	2.29E-08	7.96E-09	1.78E-04	2.80E-08	9.75E-09	1.56E-04	2.46E-08	8.56E-09
1130	482781.63, 3853134.48	1.50E-04	2.36E-08	8.21E-09	1.83E-04	2.89E-08	1.01E-08	1.61E-04	2.53E-08	8.83E-09
1131	482831.63, 3853134.48	1.51E-04	2.38E-08	8.29E-09	1.85E-04	2.91E-08	1.02E-08	1.62E-04	2.56E-08	8.91E-09
1132	482881.63, 3853134.48	1.51E-04	2.38E-08	8.30E-09	1.85E-04	2.92E-08	1.02E-08	1.63E-04	2.56E-08	8.92E-09
1133	482831.63, 3853184.48	1.58E-04	2.49E-08	8.66E-09	1.93E-04	3.05E-08	1.06E-08	1.70E-04	2.67E-08	9.32E-09
1134	482881.63, 3853184.48	1.58E-04	2.49E-08	8.68E-09	1.94E-04	3.05E-08	1.06E-08	1.70E-04	2.68E-08	9.33E-09
1135	484154.84, 3854250.98	5.53E-04	8.71E-08	3.03E-08	6.77E-04	1.07E-07	3.72E-08	5.95E-04	9.37E-08	3.27E-08
1136	484204.84, 3854250.98	5.36E-04	8.45E-08	2.94E-08	6.57E-04	1.04E-07	3.61E-08	5.77E-04	9.10E-08	3.17E-08
1137	484154.84, 3854300.98	5.73E-04	9.03E-08	3.15E-08	7.03E-04	1.11E-07	3.86E-08	6.17E-04	9.72E-08	3.39E-08
1138	484204.84, 3854300.98	5.64E-04	8.89E-08	3.10E-08	6.92E-04	1.09E-07	3.80E-08	6.08E-04	9.57E-08	3.33E-08
1139	484074.19, 3854519.8	9.25E-04	1.46E-07	5.08E-08	1.13E-03	1.79E-07	6.22E-08	9.95E-04	1.57E-07	5.46E-08
1140	484124.19, 3854519.8	8.79E-04	1.38E-07	4.82E-08	1.08E-03	1.70E-07	5.91E-08	9.46E-04	1.49E-07	5.19E-08
1141	484074.19, 3854569.8	1.10E-03	1.74E-07	6.05E-08	1.35E-03	2.13E-07	7.42E-08	1.19E-03	1.87E-07	6.51E-08
1142	484124.19, 3854569.8	1.03E-03	1.62E-07	5.65E-08	1.26E-03	1.99E-07	6.92E-08	1.11E-03	1.75E-07	6.08E-08
1143	485205.11, 3855188.89	4.23E-03	6.66E-07	2.32E-07	5.18E-03	8.16E-07	2.84E-07	4.54E-03	7.15E-07	2.49E-07
1144	485255.11, 3855188.89	3.78E-03	5.96E-07	2.08E-07	4.63E-03	7.30E-07	2.54E-07	4.06E-03	6.39E-07	2.23E-07
1145	485205.11, 3855238.89	4.63E-03	7.30E-07	2.54E-07	5.68E-03	8.94E-07	3.11E-07	4.98E-03	7.84E-07	2.73E-07
1146	485255.11, 3855238.89	4.18E-03	6.59E-07	2.29E-07	5.12E-03	8.07E-07	2.81E-07	4.49E-03	7.08E-07	2.47E-07
1147	485205.11, 3855288.89	5.65E-03	8.90E-07	3.10E-07	6.92E-03	1.09E-06	3.80E-07	6.08E-03	9.57E-07	3.34E-07
1148	485255.11, 3855288.89	4.89E-03	7.71E-07	2.68E-07	5.99E-03	9.44E-07	3.29E-07	5.26E-03	8.29E-07	2.89E-07
1149	485255.11, 3855338.89	5.85E-03	9.21E-07	3.21E-07	7.16E-03	1.13E-06	3.93E-07	6.30E-03	9.92E-07	3.46E-07
1150	485305.11, 3855338.89	5.06E-03	7.97E-07	2.78E-07	6.19E-03	9.76E-07	3.40E-07	5.44E-03	8.58E-07	2.99E-07
1151	485852.5, 3855635.28	3.50E-03	5.52E-07	1.92E-07	4.29E-03	6.76E-07	2.36E-07	3.78E-03	5.95E-07	2.07E-07
1152	485902.5, 3855635.28	3.23E-03	5.09E-07	1.77E-07	3.96E-03	6.23E-07	2.17E-07	3.48E-03	5.48E-07	1.91E-07
1153	485852.5, 3855685.28	3.83E-03	6.03E-07	2.10E-07	4.69E-03	7.39E-07	2.57E-07	4.13E-03	6.51E-07	2.27E-07
1154	485902.5, 3855685.28	3.50E-03	5.51E-07	1.92E-07	4.28E-03	6.75E-07	2.35E-07	3.77E-03	5.94E-07	2.07E-07
1155	485852.5, 3855735.28	4.23E-03	6.66E-07	2.32E-07	5.18E-03	8.16E-07	2.84E-07	4.56E-03	7.18E-07	2.50E-07
1156	485902.5, 3855735.28	3.85E-03	6.07E-07	2.11E-07	4.72E-03	7.43E-07	2.59E-07	4.15E-03	6.54E-07	2.28E-07
1157	485852.5, 3855785.28	4.81E-03	7.58E-07	2.64E-07	5.90E-03	9.29E-07	3.24E-07	5.19E-03	8.18E-07	2.85E-07
1158	485902.5, 3855785.28	4.24E-03	6.68E-07	2.33E-07	5.19E-03	8.18E-07	2.85E-07	4.57E-03	7.21E-07	2.51E-07
1159	486809.46, 3856465.28	3.76E-03	5.92E-07	2.06E-07	4.61E-03	7.25E-07	2.53E-07	4.06E-03	6.39E-07	2.23E-07
1160	486859.46, 3856465.28	3.52E-03	5.55E-07	1.93E-07	4.31E-03	6.79E-07	2.37E-07	3.80E-03	5.98E-07	2.08E-07
1161	486909.46, 3856465.28	3.31E-03	5.22E-07	1.82E-07	4.06E-03	6.39E-07	2.23E-07	3.57E-03	5.63E-07	1.96E-07
1162	486809.46, 3856515.28	4.12E-03	6.48E-07	2.26E-07	5.04E-03	7.94E-07	2.77E-07	4.44E-03	7.00E-07	2.44E-07
1163	486859.46, 3856515.28	3.82E-03	6.02E-07	2.10E-07	4.68E-03	7.37E-07	2.57E-07	4.12E-03	6.49E-07	2.26E-07
1164	486909.46, 3856515.28	3.57E-03	5.62E-07	1.96E-07	4.37E-03	6.89E-07	2.40E-07	3.85E-03	6.07E-07	2.11E-07
1165	486980.94, 3856357.95	2.68E-03	4.22E-07	1.47E-07	3.28E-03	5.17E-07	1.80E-07	2.89E-03	4.55E-07	1.59E-07
1166	487030.94, 3856357.95	2.57E-03	4.04E-07	1.41E-07	3.14E-03	4.95E-07	1.72E-07	2.77E-03	4.36E-07	1.52E-07
1167	486980.94, 3856407.95	2.85E-03	4.48E-07	1.56E-07	3.49E-03	5.49E-07	1.91E-07	3.07E-03	4.84E-07	1.69E-07
1168	487030.94, 3856407.95	2.72E-03	4.28E-07	1.49E-07	3.33E-03	5.24E-07	1.83E-07	2.93E-03	4.61E-07	1.61E-07
1169	487447.18, 3856437.45	2.03E-03	3.20E-07	1.11E-07	2.48E-03	3.91E-07	1.36E-07	2.19E-03	3.45E-07	1.20E-07
1170	487497.18, 3856437.45	1.96E-03	3.09E-07	1.08E-07	2.40E-03	3.79E-07	1.32E-07	2.12E-03	3.33E-07	1.16E-07
1171	487547.18, 3856437.45	1.90E-03	3.00E-07	1.04E-07	2.33E-03	3.67E-07	1.28E-07	2.05E-03	3.23E-07	1.13E-07
1172	487447.18, 3856487.45	2.11E-03	3.32E-07	1.16E-07	2.58E-03	4.07E-07	1.42E-07	2.27E-03	3.58E-07	1.25E-07
1173	487497.18, 3856487.45	2.04E-03	3.21E-07	1.12E-07	2.50E-03	3.93E-07	1.37E-07	2.20E-03	3.46E-07	1.21E-07
1174	487547.18, 3856487.45	1.97E-03	3.11E-07	1.08E-07	2.41E-03	3.80E-07	1.33E-07	2.13E-03	3.35E-07	1.17E-07

1175	487447.18, 3856537.45	2.19E-03	3.46E-07	1.20E-07	2.69E-03	4.23E-07	1.47E-07	2.37E-03	3.73E-07	1.30E-07
1176	487497.18, 3856537.45	2.12E-03	3.33E-07	1.16E-07	2.59E-03	4.08E-07	1.42E-07	2.28E-03	3.59E-07	1.25E-07
1177	487547.18, 3856537.45	2.04E-03	3.22E-07	1.12E-07	2.50E-03	3.94E-07	1.37E-07	2.20E-03	3.47E-07	1.21E-07
1178	489285.89, 3858826.54	7.69E-04	1.21E-07	4.22E-08	9.42E-04	1.48E-07	5.17E-08	8.29E-04	1.31E-07	4.55E-08
1179	489335.89, 3858826.54	7.18E-04	1.13E-07	3.94E-08	8.80E-04	1.39E-07	4.83E-08	7.74E-04	1.22E-07	4.25E-08
1180	489385.89, 3858826.54	6.75E-04	1.06E-07	3.71E-08	8.27E-04	1.30E-07	4.54E-08	7.27E-04	1.15E-07	3.99E-08
1181	489435.89, 3858826.54	6.39E-04	1.01E-07	3.51E-08	7.83E-04	1.23E-07	4.30E-08	6.89E-04	1.08E-07	3.78E-08
1182	489485.89, 3858826.54	6.09E-04	9.60E-08	3.34E-08	7.46E-04	1.18E-07	4.10E-08	6.56E-04	1.03E-07	3.60E-08
1183	489535.89, 3858826.54	5.83E-04	9.19E-08	3.20E-08	7.14E-04	1.13E-07	3.92E-08	6.28E-04	9.89E-08	3.45E-08
1184	489585.89, 3858826.54	5.60E-04	8.83E-08	3.08E-08	6.87E-04	1.08E-07	3.77E-08	6.03E-04	9.51E-08	3.31E-08
1185	489635.89, 3858826.54	5.41E-04	8.52E-08	2.97E-08	6.62E-04	1.04E-07	3.63E-08	5.82E-04	9.17E-08	3.19E-08
1186	489685.89, 3858826.54	5.23E-04	8.23E-08	2.87E-08	6.40E-04	1.01E-07	3.51E-08	5.63E-04	8.86E-08	3.09E-08
1187	489735.89, 3858826.54	5.07E-04	7.98E-08	2.78E-08	6.21E-04	9.78E-08	3.41E-08	5.45E-04	8.59E-08	2.99E-08
1188	489785.89, 3858826.54	4.92E-04	7.75E-08	2.70E-08	6.03E-04	9.50E-08	3.31E-08	5.30E-04	8.34E-08	2.91E-08
1189	489835.89, 3858826.54	4.79E-04	7.54E-08	2.63E-08	5.87E-04	9.24E-08	3.22E-08	5.15E-04	8.12E-08	2.83E-08
1190	489885.89, 3858826.54	4.67E-04	7.35E-08	2.56E-08	5.72E-04	9.01E-08	3.14E-08	5.02E-04	7.91E-08	2.76E-08
1191	489935.89, 3858826.54	4.56E-04	7.18E-08	2.50E-08	5.58E-04	8.80E-08	3.06E-08	4.90E-04	7.72E-08	2.69E-08
1192	489985.89, 3858826.54	4.46E-04	7.02E-08	2.45E-08	5.46E-04	8.60E-08	3.00E-08	4.79E-04	7.55E-08	2.63E-08
1193	490035.89, 3858826.54	4.36E-04	6.87E-08	2.39E-08	5.34E-04	8.42E-08	2.93E-08	4.69E-04	7.39E-08	2.57E-08
1194	489285.89, 3858876.54	7.03E-04	1.11E-07	3.86E-08	8.62E-04	1.36E-07	4.73E-08	7.58E-04	1.19E-07	4.16E-08
1195	489335.89, 3858876.54	6.60E-04	1.04E-07	3.62E-08	8.09E-04	1.27E-07	4.44E-08	7.11E-04	1.12E-07	3.90E-08
1196	489385.89, 3858876.54	6.24E-04	9.84E-08	3.43E-08	7.65E-04	1.20E-07	4.20E-08	6.73E-04	1.06E-07	3.69E-08
1197	489435.89, 3858876.54	5.94E-04	9.35E-08	3.26E-08	7.27E-04	1.15E-07	3.99E-08	6.40E-04	1.01E-07	3.51E-08
1198	489485.89, 3858876.54	5.67E-04	8.94E-08	3.11E-08	6.95E-04	1.10E-07	3.82E-08	6.11E-04	9.63E-08	3.35E-08
1199	489535.89, 3858876.54	5.45E-04	8.58E-08	2.99E-08	6.67E-04	1.05E-07	3.66E-08	5.87E-04	9.24E-08	3.22E-08
1200	489585.89, 3858876.54	5.25E-04	8.27E-08	2.88E-08	6.43E-04	1.01E-07	3.53E-08	5.65E-04	8.90E-08	3.10E-08
1201	489635.89, 3858876.54	5.08E-04	8.00E-08	2.79E-08	6.22E-04	9.80E-08	3.41E-08	5.46E-04	8.61E-08	3.00E-08
1202	489685.89, 3858876.54	4.92E-04	7.75E-08	2.70E-08	6.03E-04	9.50E-08	3.31E-08	5.30E-04	8.34E-08	2.91E-08
1203	489735.89, 3858876.54	4.78E-04	7.53E-08	2.62E-08	5.86E-04	9.22E-08	3.21E-08	5.14E-04	8.10E-08	2.82E-08
1204	489785.89, 3858876.54	4.65E-04	7.33E-08	2.55E-08	5.70E-04	8.98E-08	3.13E-08	5.01E-04	7.89E-08	2.75E-08
1205	489835.89, 3858876.54	4.54E-04	7.15E-08	2.49E-08	5.56E-04	8.75E-08	3.05E-08	4.88E-04	7.69E-08	2.68E-08
1206	489885.89, 3858876.54	4.43E-04	6.98E-08	2.43E-08	5.43E-04	8.55E-08	2.98E-08	4.77E-04	7.51E-08	2.62E-08
1207	489935.89, 3858876.54	4.33E-04	6.82E-08	2.38E-08	5.31E-04	8.36E-08	2.91E-08	4.66E-04	7.34E-08	2.56E-08
1208	489985.89, 3858876.54	4.24E-04	6.68E-08	2.33E-08	5.19E-04	8.18E-08	2.85E-08	4.56E-04	7.19E-08	2.50E-08
1209	490035.89, 3858876.54	4.16E-04	6.55E-08	2.28E-08	5.09E-04	8.02E-08	2.79E-08	4.47E-04	7.04E-08	2.45E-08
1210	489285.89, 3858926.54	6.23E-04	9.82E-08	3.42E-08	7.63E-04	1.20E-07	4.19E-08	6.71E-04	1.06E-07	3.68E-08
1211	489335.89, 3858926.54	5.92E-04	9.33E-08	3.25E-08	7.26E-04	1.14E-07	3.98E-08	6.38E-04	1.01E-07	3.50E-08
1212	489385.89, 3858926.54	5.66E-04	8.91E-08	3.10E-08	6.93E-04	1.09E-07	3.80E-08	6.09E-04	9.60E-08	3.34E-08
1213	489435.89, 3858926.54	5.42E-04	8.54E-08	2.98E-08	6.64E-04	1.05E-07	3.65E-08	5.84E-04	9.20E-08	3.21E-08
1214	489485.89, 3858926.54	5.22E-04	8.22E-08	2.86E-08	6.39E-04	1.01E-07	3.51E-08	5.62E-04	8.85E-08	3.08E-08
1215	489535.89, 3858926.54	5.03E-04	7.93E-08	2.76E-08	6.17E-04	9.71E-08	3.38E-08	5.42E-04	8.54E-08	2.97E-08
1216	489585.89, 3858926.54	4.87E-04	7.67E-08	2.67E-08	5.97E-04	9.40E-08	3.27E-08	5.24E-04	8.26E-08	2.88E-08
1217	489635.89, 3858926.54	4.72E-04	7.44E-08	2.59E-08	5.79E-04	9.12E-08	3.18E-08	5.09E-04	8.01E-08	2.79E-08
1218	489685.89, 3858926.54	4.60E-04	7.24E-08	2.52E-08	5.63E-04	8.87E-08	3.09E-08	4.95E-04	7.79E-08	2.72E-08
1219	489735.89, 3858926.54	4.48E-04	7.06E-08	2.46E-08	5.49E-04	8.65E-08	3.01E-08	4.82E-04	7.60E-08	2.65E-08
1220	489785.89, 3858926.54	4.37E-04	6.89E-08	2.40E-08	5.36E-04	8.44E-08	2.94E-08	4.71E-04	7.41E-08	2.58E-08
1221	489835.89, 3858926.54	4.27E-04	6.73E-08	2.35E-08	5.24E-04	8.25E-08	2.87E-08	4.60E-04	7.25E-08	2.52E-08
1222	489885.89, 3858926.54	4.18E-04	6.59E-08	2.30E-08	5.13E-04	8.07E-08	2.81E-08	4.50E-04	7.09E-08	2.47E-08
1223	489935.89, 3858926.54	4.10E-04	6.46E-08	2.25E-08	5.02E-04	7.91E-08	2.76E-08	4.41E-04	6.95E-08	2.42E-08
1224	489985.89, 3858926.54	4.02E-04	6.33E-08	2.21E-08	4.93E-04	7.76E-08	2.70E-08	4.32E-04	6.81E-08	2.37E-08
1225	490035.89, 3858926.54	3.95E-04	6.22E-08	2.17E-08	4.83E-04	7.62E-08	2.65E-08	4.24E-04	6.69E-08	2.33E-08
1226	489335.89, 3858976.54	5.23E-04	8.24E-08	2.87E-08	6.41E-04	1.01E-07	3.52E-08	5.63E-04	8.87E-08	3.09E-08
1227	489385.89, 3858976.54	5.06E-04	7.96E-08	2.77E-08	6.19E-04	9.76E-08	3.40E-08	5.44E-04	8.58E-08	2.99E-08
1228	489435.89, 3858976.54	4.90E-04	7.71E-08	2.69E-08	6.00E-04	9.45E-08	3.29E-08	5.27E-04	8.30E-08	2.89E-08
1229	489485.89, 3858976.54	4.75E-04	7.48E-08	2.61E-08	5.82E-04	9.16E-08	3.19E-08	5.11E-04	8.05E-08	2.81E-08
1230	489535.89, 3858976.54	4.61E-04	7.27E-08	2.53E-08	5.65E-04	8.90E-08	3.10E-08	4.97E-04	7.82E-08	2.73E-08
1231	489585.89, 3858976.54	4.49E-04	7.07E-08	2.46E-08	5.50E-04	8.66E-08	3.02E-08	4.83E-04	7.61E-08	2.65E-08
1232	489635.89, 3858976.54	4.37E-04	6.89E-08	2.40E-08	5.36E-04	8.44E-08	2.94E-08	4.71E-04	7.42E-08	2.58E-08
1233	489685.89, 3858976.54	4.27E-04	6.72E-08	2.34E-08	5.23E-04	8.24E-08	2.87E-08	4.59E-04	7.24E-08	2.52E-08
1234	489735.89, 3858976.54	4.17E-04	6.58E-08	2.29E-08	5.11E-04	8.05E-08	2.81E-08	4.49E-04	7.08E-08	2.47E-08
1235	489785.89, 3858976.54	4.09E-04	6.44E-08	2.24E-08	5.01E-04	7.89E-08	2.75E-08	4.40E-04	6.93E-08	2.41E-08
1236	489835.89, 3858976.54	4.01E-04	6.31E-08	2.20E-08	4.91E-04	7.73E-08	2.69E-08	4.31E-04	6.79E-08	2.37E-08

1237	489885.89, 3858976.54	3.94E-04	6.20E-08	2.16E-08	4.82E-04	7.59E-08	2.65E-08	4.23E-04	6.67E-08	2.32E-08
1238	489935.89, 3858976.54	3.86E-04	6.09E-08	2.12E-08	4.73E-04	7.46E-08	2.60E-08	4.16E-04	6.55E-08	2.28E-08
1239	489985.89, 3858976.54	3.80E-04	5.98E-08	2.08E-08	4.65E-04	7.33E-08	2.55E-08	4.09E-04	6.44E-08	2.24E-08
1240	490035.89, 3858976.54	3.73E-04	5.88E-08	2.05E-08	4.57E-04	7.20E-08	2.51E-08	4.01E-04	6.32E-08	2.20E-08
1241	489385.89, 3859026.54	4.49E-04	7.08E-08	2.47E-08	5.50E-04	8.67E-08	3.02E-08	4.84E-04	7.62E-08	2.65E-08
1242	489435.89, 3859026.54	4.39E-04	6.92E-08	2.41E-08	5.38E-04	8.48E-08	2.95E-08	4.73E-04	7.45E-08	2.60E-08
1243	489485.89, 3859026.54	4.30E-04	6.77E-08	2.36E-08	5.26E-04	8.29E-08	2.89E-08	4.63E-04	7.29E-08	2.54E-08
1244	489535.89, 3859026.54	4.21E-04	6.62E-08	2.31E-08	5.15E-04	8.12E-08	2.83E-08	4.53E-04	7.13E-08	2.48E-08
1245	489585.89, 3859026.54	4.12E-04	6.49E-08	2.26E-08	5.04E-04	7.95E-08	2.77E-08	4.43E-04	6.98E-08	2.43E-08
1246	489635.89, 3859026.54	4.03E-04	6.35E-08	2.21E-08	4.94E-04	7.78E-08	2.71E-08	4.34E-04	6.84E-08	2.38E-08
1247	489685.89, 3859026.54	3.95E-04	6.23E-08	2.17E-08	4.84E-04	7.63E-08	2.66E-08	4.25E-04	6.70E-08	2.34E-08
1248	489735.89, 3859026.54	3.88E-04	6.11E-08	2.13E-08	4.75E-04	7.49E-08	2.61E-08	4.17E-04	6.58E-08	2.29E-08
1249	489785.89, 3859026.54	3.81E-04	6.00E-08	2.09E-08	4.67E-04	7.35E-08	2.56E-08	4.10E-04	6.46E-08	2.25E-08
1250	489835.89, 3859026.54	3.75E-04	5.90E-08	2.06E-08	4.59E-04	7.23E-08	2.52E-08	4.03E-04	6.35E-08	2.21E-08
1251	489885.89, 3859026.54	3.69E-04	5.81E-08	2.02E-08	4.52E-04	7.12E-08	2.48E-08	3.97E-04	6.25E-08	2.18E-08
1252	489935.89, 3859026.54	3.63E-04	5.72E-08	1.99E-08	4.45E-04	7.01E-08	2.44E-08	3.91E-04	6.15E-08	2.14E-08
1253	489985.89, 3859026.54	3.58E-04	5.64E-08	1.96E-08	4.38E-04	6.91E-08	2.41E-08	3.85E-04	6.06E-08	2.11E-08
1254	490035.89, 3859026.54	3.52E-04	5.55E-08	1.93E-08	4.31E-04	6.79E-08	2.37E-08	3.79E-04	5.96E-08	2.08E-08
1255	489485.89, 3859076.54	3.89E-04	6.13E-08	2.13E-08	4.76E-04	7.50E-08	2.61E-08	4.19E-04	6.59E-08	2.30E-08
1256	489535.89, 3859076.54	3.83E-04	6.03E-08	2.10E-08	4.69E-04	7.39E-08	2.57E-08	4.12E-04	6.49E-08	2.26E-08
1257	489585.89, 3859076.54	3.77E-04	5.94E-08	2.07E-08	4.62E-04	7.28E-08	2.53E-08	4.06E-04	6.39E-08	2.23E-08
1258	489635.89, 3859076.54	3.71E-04	5.85E-08	2.04E-08	4.55E-04	7.16E-08	2.50E-08	3.99E-04	6.29E-08	2.19E-08
1259	489685.89, 3859076.54	3.65E-04	5.76E-08	2.01E-08	4.48E-04	7.05E-08	2.46E-08	3.93E-04	6.19E-08	2.16E-08
1260	489735.89, 3859076.54	3.60E-04	5.67E-08	1.98E-08	4.41E-04	6.95E-08	2.42E-08	3.87E-04	6.10E-08	2.13E-08
1261	489785.89, 3859076.54	3.55E-04	5.59E-08	1.95E-08	4.35E-04	6.85E-08	2.38E-08	3.82E-04	6.01E-08	2.09E-08
1262	489835.89, 3859076.54	3.50E-04	5.51E-08	1.92E-08	4.28E-04	6.75E-08	2.35E-08	3.76E-04	5.93E-08	2.06E-08
1263	489885.89, 3859076.54	3.45E-04	5.43E-08	1.89E-08	4.22E-04	6.65E-08	2.32E-08	3.71E-04	5.84E-08	2.04E-08
1264	489935.89, 3859076.54	3.40E-04	5.36E-08	1.87E-08	4.17E-04	6.57E-08	2.29E-08	3.66E-04	5.77E-08	2.01E-08
1265	489985.89, 3859076.54	3.36E-04	5.30E-08	1.85E-08	4.12E-04	6.49E-08	2.26E-08	3.62E-04	5.70E-08	1.99E-08
1266	490035.89, 3859076.54	3.32E-04	5.23E-08	1.82E-08	4.06E-04	6.40E-08	2.23E-08	3.57E-04	5.62E-08	1.96E-08
1267	489585.89, 3859126.54	3.46E-04	5.45E-08	1.90E-08	4.24E-04	6.67E-08	2.32E-08	3.72E-04	5.86E-08	2.04E-08
1268	489635.89, 3859126.54	3.42E-04	5.39E-08	1.88E-08	4.19E-04	6.60E-08	2.30E-08	3.68E-04	5.79E-08	2.02E-08
1269	489685.89, 3859126.54	3.38E-04	5.32E-08	1.85E-08	4.14E-04	6.52E-08	2.27E-08	3.64E-04	5.73E-08	2.00E-08
1270	489735.89, 3859126.54	3.34E-04	5.26E-08	1.83E-08	4.09E-04	6.44E-08	2.24E-08	3.59E-04	5.66E-08	1.97E-08
1271	489785.89, 3859126.54	3.30E-04	5.20E-08	1.81E-08	4.04E-04	6.37E-08	2.22E-08	3.55E-04	5.59E-08	1.95E-08
1272	489835.89, 3859126.54	3.26E-04	5.14E-08	1.79E-08	4.00E-04	6.30E-08	2.19E-08	3.51E-04	5.53E-08	1.93E-08
1273	489885.89, 3859126.54	3.23E-04	5.08E-08	1.77E-08	3.95E-04	6.22E-08	2.17E-08	3.47E-04	5.47E-08	1.90E-08
1274	489935.89, 3859126.54	3.19E-04	5.03E-08	1.75E-08	3.91E-04	6.16E-08	2.14E-08	3.43E-04	5.40E-08	1.88E-08
1275	489985.89, 3859126.54	3.16E-04	4.97E-08	1.73E-08	3.87E-04	6.09E-08	2.12E-08	3.39E-04	5.35E-08	1.86E-08
1276	490035.89, 3859126.54	3.12E-04	4.92E-08	1.71E-08	3.83E-04	6.03E-08	2.10E-08	3.36E-04	5.29E-08	1.84E-08
1277	489585.89, 3859176.54	3.18E-04	5.01E-08	1.75E-08	3.90E-04	6.14E-08	2.14E-08	3.42E-04	5.39E-08	1.88E-08
1278	489635.89, 3859176.54	3.16E-04	4.97E-08	1.73E-08	3.87E-04	6.09E-08	2.12E-08	3.40E-04	5.35E-08	1.86E-08
1279	489685.89, 3859176.54	3.13E-04	4.93E-08	1.72E-08	3.83E-04	6.04E-08	2.10E-08	3.37E-04	5.30E-08	1.85E-08
1280	489735.89, 3859176.54	3.10E-04	4.89E-08	1.70E-08	3.80E-04	5.99E-08	2.09E-08	3.34E-04	5.26E-08	1.83E-08
1281	489785.89, 3859176.54	3.08E-04	4.85E-08	1.69E-08	3.77E-04	5.94E-08	2.07E-08	3.31E-04	5.21E-08	1.82E-08
1282	489835.89, 3859176.54	3.05E-04	4.80E-08	1.67E-08	3.73E-04	5.88E-08	2.05E-08	3.28E-04	5.17E-08	1.80E-08
1283	489885.89, 3859176.54	3.02E-04	4.76E-08	1.66E-08	3.70E-04	5.83E-08	2.03E-08	3.25E-04	5.12E-08	1.78E-08
1284	489935.89, 3859176.54	2.99E-04	4.72E-08	1.64E-08	3.67E-04	5.78E-08	2.01E-08	3.22E-04	5.07E-08	1.77E-08
1285	489985.89, 3859176.54	2.97E-04	4.67E-08	1.63E-08	3.63E-04	5.72E-08	1.99E-08	3.19E-04	5.02E-08	1.75E-08
1286	490035.89, 3859176.54	2.94E-04	4.63E-08	1.61E-08	3.60E-04	5.67E-08	1.98E-08	3.16E-04	4.98E-08	1.74E-08
1287	489685.89, 3859226.54	2.91E-04	4.58E-08	1.60E-08	3.56E-04	5.61E-08	1.96E-08	3.13E-04	4.93E-08	1.72E-08
1288	489735.89, 3859226.54	2.89E-04	4.55E-08	1.59E-08	3.54E-04	5.58E-08	1.94E-08	3.11E-04	4.90E-08	1.71E-08
1289	489785.89, 3859226.54	2.87E-04	4.52E-08	1.58E-08	3.52E-04	5.54E-08	1.93E-08	3.09E-04	4.87E-08	1.70E-08
1290	489835.89, 3859226.54	2.85E-04	4.50E-08	1.57E-08	3.50E-04	5.51E-08	1.92E-08	3.07E-04	4.83E-08	1.68E-08
1291	489885.89, 3859226.54	2.83E-04	4.46E-08	1.56E-08	3.47E-04	5.47E-08	1.91E-08	3.05E-04	4.80E-08	1.67E-08
1292	489935.89, 3859226.54	2.81E-04	4.43E-08	1.54E-08	3.45E-04	5.43E-08	1.89E-08	3.03E-04	4.77E-08	1.66E-08
1293	489985.89, 3859226.54	2.79E-04	4.40E-08	1.53E-08	3.42E-04	5.38E-08	1.88E-08	3.00E-04	4.73E-08	1.65E-08
1294	490035.89, 3859226.54	2.77E-04	4.37E-08	1.52E-08	3.39E-04	5.35E-08	1.86E-08	2.98E-04	4.69E-08	1.64E-08
1295	489735.89, 3859276.54	2.70E-04	4.25E-08	1.48E-08	3.31E-04	5.21E-08	1.81E-08	2.90E-04	4.57E-08	1.59E-08
1296	489785.89, 3859276.54	2.69E-04	4.23E-08	1.48E-08	3.29E-04	5.19E-08	1.81E-08	2.89E-04	4.55E-08	1.59E-08
1297	489835.89, 3859276.54	2.68E-04	4.22E-08	1.47E-08	3.28E-04	5.16E-08	1.80E-08	2.88E-04	4.53E-08	1.58E-08
1298	489885.89, 3859276.54	2.66E-04	4.19E-08	1.46E-08	3.26E-04	5.14E-08	1.79E-08	2.86E-04	4.51E-08	1.57E-08

1299	489935.89, 3859276.54	2.65E-04	4.17E-08	1.45E-08	3.25E-04	5.11E-08	1.78E-08	2.85E-04	4.49E-08	1.56E-08
1300	489985.89, 3859276.54	2.63E-04	4.15E-08	1.44E-08	3.22E-04	5.08E-08	1.77E-08	2.83E-04	4.46E-08	1.55E-08
1301	490035.89, 3859276.54	2.62E-04	4.12E-08	1.44E-08	3.21E-04	5.05E-08	1.76E-08	2.81E-04	4.43E-08	1.54E-08
1302	490458.06, 3859590.74	1.87E-04	2.94E-08	1.02E-08	2.29E-04	3.60E-08	1.26E-08	2.01E-04	3.16E-08	1.10E-08
1303	490508.06, 3859590.74	1.87E-04	2.94E-08	1.03E-08	2.29E-04	3.60E-08	1.26E-08	2.01E-04	3.16E-08	1.10E-08
1304	490558.06, 3859590.74	1.87E-04	2.94E-08	1.03E-08	2.29E-04	3.61E-08	1.26E-08	2.01E-04	3.16E-08	1.10E-08
1305	490608.06, 3859590.74	1.87E-04	2.94E-08	1.03E-08	2.29E-04	3.60E-08	1.26E-08	2.01E-04	3.16E-08	1.10E-08
1306	490658.06, 3859590.74	1.87E-04	2.94E-08	1.02E-08	2.29E-04	3.60E-08	1.25E-08	2.01E-04	3.16E-08	1.10E-08
1307	490708.06, 3859590.74	1.86E-04	2.94E-08	1.02E-08	2.28E-04	3.60E-08	1.25E-08	2.00E-04	3.15E-08	1.10E-08
1308	490758.06, 3859590.74	1.86E-04	2.93E-08	1.02E-08	2.28E-04	3.59E-08	1.25E-08	2.00E-04	3.15E-08	1.10E-08
1309	490808.06, 3859590.74	1.86E-04	2.92E-08	1.02E-08	2.27E-04	3.58E-08	1.25E-08	1.99E-04	3.14E-08	1.09E-08
1310	490858.06, 3859590.74	1.85E-04	2.92E-08	1.02E-08	2.27E-04	3.57E-08	1.25E-08	1.99E-04	3.13E-08	1.09E-08
1311	490458.06, 3859640.74	1.79E-04	2.81E-08	9.80E-09	2.19E-04	3.44E-08	1.20E-08	1.92E-04	3.02E-08	1.05E-08
1312	490508.06, 3859640.74	1.79E-04	2.81E-08	9.80E-09	2.19E-04	3.45E-08	1.20E-08	1.92E-04	3.02E-08	1.05E-08
1313	490558.06, 3859640.74	1.79E-04	2.81E-08	9.81E-09	2.19E-04	3.45E-08	1.20E-08	1.92E-04	3.02E-08	1.05E-08
1314	490608.06, 3859640.74	1.79E-04	2.82E-08	9.83E-09	2.19E-04	3.45E-08	1.20E-08	1.92E-04	3.03E-08	1.06E-08
1315	490658.06, 3859640.74	1.79E-04	2.82E-08	9.83E-09	2.19E-04	3.46E-08	1.20E-08	1.93E-04	3.03E-08	1.06E-08
1316	490708.06, 3859640.74	1.79E-04	2.82E-08	9.83E-09	2.19E-04	3.46E-08	1.20E-08	1.92E-04	3.03E-08	1.06E-08
1317	490758.06, 3859640.74	1.79E-04	2.82E-08	9.82E-09	2.19E-04	3.45E-08	1.20E-08	1.92E-04	3.03E-08	1.05E-08
1318	490808.06, 3859640.74	1.79E-04	2.81E-08	9.81E-09	2.19E-04	3.45E-08	1.20E-08	1.92E-04	3.02E-08	1.05E-08
1319	490858.06, 3859640.74	1.78E-04	2.81E-08	9.79E-09	2.19E-04	3.44E-08	1.20E-08	1.92E-04	3.02E-08	1.05E-08
1320	490608.06, 3859690.74	1.71E-04	2.70E-08	9.41E-09	2.10E-04	3.31E-08	1.15E-08	1.84E-04	2.90E-08	1.01E-08
1321	490658.06, 3859690.74	1.72E-04	2.71E-08	9.44E-09	2.11E-04	3.32E-08	1.16E-08	1.85E-04	2.91E-08	1.01E-08
1322	490708.06, 3859690.74	1.72E-04	2.71E-08	9.44E-09	2.11E-04	3.32E-08	1.16E-08	1.85E-04	2.91E-08	1.01E-08
1323	490758.06, 3859690.74	1.72E-04	2.71E-08	9.45E-09	2.11E-04	3.32E-08	1.16E-08	1.85E-04	2.91E-08	1.01E-08
1324	490808.06, 3859690.74	1.72E-04	2.71E-08	9.44E-09	2.11E-04	3.32E-08	1.16E-08	1.85E-04	2.91E-08	1.01E-08
1325	490858.06, 3859690.74	1.72E-04	2.71E-08	9.43E-09	2.10E-04	3.31E-08	1.15E-08	1.85E-04	2.91E-08	1.01E-08
1326	490708.06, 3859740.74	1.65E-04	2.60E-08	9.07E-09	2.02E-04	3.19E-08	1.11E-08	1.77E-04	2.80E-08	9.74E-09
1327	490758.06, 3859740.74	1.65E-04	2.60E-08	9.07E-09	2.02E-04	3.19E-08	1.11E-08	1.78E-04	2.80E-08	9.75E-09
1328	490808.06, 3859740.74	1.65E-04	2.60E-08	9.07E-09	2.03E-04	3.19E-08	1.11E-08	1.78E-04	2.80E-08	9.75E-09
1329	490858.06, 3859740.74	1.65E-04	2.60E-08	9.07E-09	2.02E-04	3.19E-08	1.11E-08	1.78E-04	2.80E-08	9.74E-09
1330	490786.56, 3859749.39	1.64E-04	2.59E-08	9.01E-09	2.01E-04	3.17E-08	1.10E-08	1.76E-04	2.78E-08	9.68E-09
1331	490836.56, 3859749.39	1.64E-04	2.59E-08	9.01E-09	2.01E-04	3.17E-08	1.10E-08	1.76E-04	2.78E-08	9.68E-09
1332	490786.56, 3859799.39	1.57E-04	2.48E-08	8.64E-09	1.93E-04	3.04E-08	1.06E-08	1.69E-04	2.66E-08	9.28E-09
1333	490836.56, 3859799.39	1.58E-04	2.48E-08	8.66E-09	1.93E-04	3.04E-08	1.06E-08	1.69E-04	2.67E-08	9.30E-09
1334	492307.84, 3854508.36	2.36E-04	3.72E-08	1.30E-08	2.89E-04	4.55E-08	1.59E-08	2.54E-04	3.99E-08	1.39E-08
1335	486445.7, 3854753.6	6.65E-04	1.05E-07	3.65E-08	8.15E-04	1.28E-07	4.47E-08	7.12E-04	1.12E-07	3.91E-08
1336	472599.75, 3877830.11	6.35E-06	1.00E-09	3.49E-10	7.78E-06	1.23E-09	4.27E-10	6.83E-06	1.08E-09	3.75E-10
1337	493107.48, 3866840.19	1.98E-05	3.12E-09	1.09E-09	2.42E-05	3.82E-09	1.33E-09	2.12E-05	3.35E-09	1.17E-09
1338	495815.8, 3861662.87	6.10E-05	9.61E-09	3.35E-09	7.47E-05	1.18E-08	4.10E-09	6.54E-05	1.03E-08	3.59E-09
1339	480272.33, 3841389.2	2.09E-06	3.29E-10	1.14E-10	2.55E-06	4.02E-10	1.40E-10	2.24E-06	3.53E-10	1.23E-10
1340	497005.18, 3862813.64	4.25E-05	6.70E-09	2.33E-09	5.21E-05	8.21E-09	2.86E-09	4.57E-05	7.19E-09	2.51E-09
1341	493677.33, 3860302.55	1.13E-04	1.79E-08	6.22E-09	1.39E-04	2.19E-08	7.62E-09	1.22E-04	1.92E-08	6.68E-09
1342	493727.33, 3860302.55	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.66E-09
1343	493777.33, 3860302.55	1.13E-04	1.78E-08	6.20E-09	1.38E-04	2.18E-08	7.59E-09	1.21E-04	1.91E-08	6.65E-09
1344	493827.33, 3860302.55	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.17E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
1345	493877.33, 3860302.55	1.12E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.56E-09	1.21E-04	1.90E-08	6.62E-09
1346	493927.33, 3860302.55	1.12E-04	1.77E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.90E-08	6.60E-09
1347	493977.33, 3860302.55	1.12E-04	1.76E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
1348	494027.33, 3860302.55	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.59E-09
1349	493677.33, 3860352.55	1.11E-04	1.74E-08	6.08E-09	1.36E-04	2.14E-08	7.44E-09	1.19E-04	1.87E-08	6.52E-09
1350	493727.33, 3860352.55	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
1351	493777.33, 3860352.55	1.10E-04	1.74E-08	6.05E-09	1.35E-04	2.13E-08	7.41E-09	1.18E-04	1.86E-08	6.49E-09
1352	493827.33, 3860352.55	1.10E-04	1.73E-08	6.04E-09	1.35E-04	2.12E-08	7.40E-09	1.18E-04	1.86E-08	6.48E-09
1353	493877.33, 3860352.55	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.48E-09
1354	493927.33, 3860352.55	1.10E-04	1.73E-08	6.03E-09	1.34E-04	2.12E-08	7.38E-09	1.18E-04	1.86E-08	6.47E-09
1355	493977.33, 3860352.55	1.10E-04	1.73E-08	6.02E-09	1.34E-04	2.12E-08	7.37E-09	1.18E-04	1.86E-08	6.46E-09
1356	494027.33, 3860352.55	1.09E-04	1.72E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.45E-09
1357	493677.33, 3860402.55	1.08E-04	1.70E-08	5.93E-09	1.32E-04	2.08E-08	7.26E-09	1.16E-04	1.83E-08	6.36E-09
1358	493727.33, 3860402.55	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.82E-08	6.35E-09
1359	493777.33, 3860402.55	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.82E-08	6.35E-09
1360	493827.33, 3860402.55	1.08E-04	1.69E-08	5.90E-09	1.32E-04	2.07E-08	7.23E-09	1.15E-04	1.82E-08	6.33E-09

1361	493877.33, 3860402.55	1.07E-04	1.69E-08	5.89E-09	1.31E-04	2.07E-08	7.21E-09	1.15E-04	1.81E-08	6.32E-09
1362	493927.33, 3860402.55	1.07E-04	1.69E-08	5.89E-09	1.31E-04	2.07E-08	7.21E-09	1.15E-04	1.81E-08	6.32E-09
1363	493977.33, 3860402.55	1.07E-04	1.69E-08	5.89E-09	1.32E-04	2.07E-08	7.22E-09	1.15E-04	1.82E-08	6.33E-09
1364	494027.33, 3860402.55	1.07E-04	1.69E-08	5.88E-09	1.31E-04	2.07E-08	7.20E-09	1.15E-04	1.81E-08	6.31E-09
1365	493677.33, 3860452.55	1.06E-04	1.66E-08	5.79E-09	1.29E-04	2.04E-08	7.09E-09	1.13E-04	1.78E-08	6.22E-09
1366	493727.33, 3860452.55	1.05E-04	1.66E-08	5.77E-09	1.29E-04	2.03E-08	7.07E-09	1.13E-04	1.78E-08	6.20E-09
1367	493777.33, 3860452.55	1.05E-04	1.65E-08	5.77E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.78E-08	6.19E-09
1368	493827.33, 3860452.55	1.05E-04	1.65E-08	5.77E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.78E-08	6.19E-09
1369	493877.33, 3860452.55	1.05E-04	1.65E-08	5.76E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.78E-08	6.18E-09
1370	493927.33, 3860452.55	1.05E-04	1.66E-08	5.77E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.78E-08	6.19E-09
1371	493977.33, 3860452.55	1.05E-04	1.65E-08	5.76E-09	1.28E-04	2.02E-08	7.05E-09	1.13E-04	1.77E-08	6.18E-09
1372	494027.33, 3860452.55	1.05E-04	1.65E-08	5.75E-09	1.28E-04	2.02E-08	7.04E-09	1.12E-04	1.77E-08	6.17E-09
1373	493677.33, 3860502.55	1.03E-04	1.62E-08	5.66E-09	1.26E-04	1.99E-08	6.93E-09	1.11E-04	1.74E-08	6.07E-09
1374	493727.33, 3860502.55	1.03E-04	1.62E-08	5.64E-09	1.26E-04	1.98E-08	6.91E-09	1.10E-04	1.74E-08	6.06E-09
1375	493777.33, 3860502.55	1.03E-04	1.62E-08	5.64E-09	1.26E-04	1.98E-08	6.90E-09	1.10E-04	1.74E-08	6.05E-09
1376	493827.33, 3860502.55	1.03E-04	1.62E-08	5.63E-09	1.26E-04	1.98E-08	6.89E-09	1.10E-04	1.73E-08	6.04E-09
1377	493877.33, 3860502.55	1.03E-04	1.62E-08	5.63E-09	1.26E-04	1.98E-08	6.90E-09	1.10E-04	1.73E-08	6.04E-09
1378	493927.33, 3860502.55	1.03E-04	1.62E-08	5.63E-09	1.26E-04	1.98E-08	6.90E-09	1.10E-04	1.74E-08	6.05E-09
1379	493977.33, 3860502.55	1.02E-04	1.61E-08	5.62E-09	1.25E-04	1.98E-08	6.89E-09	1.10E-04	1.73E-08	6.04E-09
1380	494027.33, 3860502.55	1.02E-04	1.61E-08	5.62E-09	1.25E-04	1.97E-08	6.88E-09	1.10E-04	1.73E-08	6.03E-09
1381	493627.33, 3860552.55	1.01E-04	1.59E-08	5.52E-09	1.23E-04	1.94E-08	6.77E-09	1.08E-04	1.70E-08	5.93E-09
1382	493677.33, 3860552.55	1.00E-04	1.58E-08	5.51E-09	1.23E-04	1.94E-08	6.75E-09	1.08E-04	1.70E-08	5.92E-09
1383	493727.33, 3860552.55	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.74E-09	1.08E-04	1.70E-08	5.91E-09
1384	493777.33, 3860552.55	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.74E-09	1.08E-04	1.69E-08	5.90E-09
1385	493827.33, 3860552.55	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.94E-08	6.74E-09	1.08E-04	1.70E-08	5.91E-09
1386	493877.33, 3860552.55	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.73E-09	1.07E-04	1.69E-08	5.90E-09
1387	493927.33, 3860552.55	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.73E-09	1.08E-04	1.69E-08	5.90E-09
1388	493977.33, 3860552.55	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.73E-09	1.08E-04	1.69E-08	5.90E-09
1389	494027.33, 3860552.55	1.00E-04	1.58E-08	5.49E-09	1.22E-04	1.93E-08	6.72E-09	1.07E-04	1.69E-08	5.89E-09
1390	493627.33, 3860602.55	9.82E-05	1.55E-08	5.39E-09	1.20E-04	1.89E-08	6.60E-09	1.05E-04	1.66E-08	5.78E-09
1391	493727.33, 3860602.55	9.77E-05	1.54E-08	5.36E-09	1.20E-04	1.88E-08	6.56E-09	1.05E-04	1.65E-08	5.75E-09
1392	493777.33, 3860602.55	9.78E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.58E-09	1.05E-04	1.65E-08	5.76E-09
1393	493827.33, 3860602.55	9.78E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.57E-09	1.05E-04	1.65E-08	5.76E-09
1394	493877.33, 3860602.55	9.79E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.58E-09	1.05E-04	1.66E-08	5.77E-09
1395	493927.33, 3860602.55	9.79E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.58E-09	1.05E-04	1.66E-08	5.77E-09
1396	493977.33, 3860602.55	9.79E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.58E-09	1.05E-04	1.66E-08	5.77E-09
1397	494027.33, 3860602.55	9.77E-05	1.54E-08	5.36E-09	1.20E-04	1.89E-08	6.57E-09	1.05E-04	1.65E-08	5.76E-09
1398	493627.33, 3860652.55	9.57E-05	1.51E-08	5.25E-09	1.17E-04	1.85E-08	6.43E-09	1.03E-04	1.62E-08	5.64E-09
1399	493727.33, 3860652.55	9.53E-05	1.50E-08	5.23E-09	1.17E-04	1.84E-08	6.40E-09	1.02E-04	1.61E-08	5.61E-09
1400	493777.33, 3860652.55	9.54E-05	1.50E-08	5.24E-09	1.17E-04	1.84E-08	6.41E-09	1.02E-04	1.61E-08	5.62E-09
1401	493827.33, 3860652.55	9.55E-05	1.50E-08	5.24E-09	1.17E-04	1.84E-08	6.42E-09	1.03E-04	1.61E-08	5.63E-09
1402	493877.33, 3860652.55	9.56E-05	1.51E-08	5.25E-09	1.17E-04	1.85E-08	6.43E-09	1.03E-04	1.62E-08	5.63E-09
1403	493927.33, 3860652.55	9.56E-05	1.51E-08	5.25E-09	1.17E-04	1.85E-08	6.43E-09	1.03E-04	1.62E-08	5.63E-09
1404	493977.33, 3860652.55	9.56E-05	1.51E-08	5.25E-09	1.17E-04	1.84E-08	6.43E-09	1.03E-04	1.62E-08	5.63E-09
1405	494027.33, 3860652.55	9.57E-05	1.51E-08	5.25E-09	1.17E-04	1.85E-08	6.43E-09	1.03E-04	1.62E-08	5.64E-09
1406	494311.06, 3858401.99	1.28E-04	2.02E-08	7.04E-09	1.57E-04	2.48E-08	8.63E-09	1.38E-04	2.17E-08	7.56E-09
1407	494361.06, 3858401.99	1.26E-04	1.98E-08	6.91E-09	1.54E-04	2.43E-08	8.47E-09	1.35E-04	2.13E-08	7.42E-09
1408	494411.06, 3858401.99	1.24E-04	1.96E-08	6.83E-09	1.52E-04	2.40E-08	8.36E-09	1.34E-04	2.10E-08	7.33E-09
1409	494461.06, 3858401.99	1.24E-04	1.95E-08	6.79E-09	1.51E-04	2.39E-08	8.31E-09	1.33E-04	2.09E-08	7.29E-09
1410	494511.06, 3858401.99	1.22E-04	1.92E-08	6.70E-09	1.49E-04	2.35E-08	8.20E-09	1.31E-04	2.06E-08	7.19E-09
1411	494561.06, 3858401.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.14E-09
1412	494611.06, 3858401.99	1.19E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.03E-09	1.28E-04	2.02E-08	7.04E-09
1413	494661.06, 3858401.99	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.94E-09	1.27E-04	2.00E-08	6.95E-09
1414	494711.06, 3858401.99	1.16E-04	1.83E-08	6.36E-09	1.42E-04	2.24E-08	7.79E-09	1.24E-04	1.96E-08	6.83E-09
1415	494761.06, 3858401.99	1.15E-04	1.81E-08	6.30E-09	1.41E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.76E-09
1416	494811.06, 3858401.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.66E-09
1417	494861.06, 3858401.99	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.15E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
1418	494911.06, 3858401.99	1.10E-04	1.74E-08	6.05E-09	1.35E-04	2.13E-08	7.41E-09	1.18E-04	1.86E-08	6.49E-09
1419	494961.06, 3858401.99	1.09E-04	1.71E-08	5.97E-09	1.33E-04	2.10E-08	7.31E-09	1.17E-04	1.84E-08	6.41E-09
1420	495011.06, 3858401.99	1.07E-04	1.68E-08	5.86E-09	1.31E-04	2.06E-08	7.18E-09	1.15E-04	1.81E-08	6.29E-09
1421	495061.06, 3858401.99	1.05E-04	1.66E-08	5.78E-09	1.29E-04	2.03E-08	7.08E-09	1.13E-04	1.78E-08	6.21E-09
1422	495111.06, 3858401.99	1.03E-04	1.62E-08	5.63E-09	1.26E-04	1.98E-08	6.89E-09	1.10E-04	1.73E-08	6.04E-09

1423	495161.06, 3858401.99	1.02E-04	1.61E-08	5.60E-09	1.25E-04	1.97E-08	6.86E-09	1.10E-04	1.73E-08	6.01E-09
1424	495211.06, 3858401.99	9.96E-05	1.57E-08	5.47E-09	1.22E-04	1.92E-08	6.70E-09	1.07E-04	1.68E-08	5.87E-09
1425	495261.06, 3858401.99	9.83E-05	1.55E-08	5.40E-09	1.20E-04	1.90E-08	6.61E-09	1.06E-04	1.66E-08	5.79E-09
1426	495311.06, 3858401.99	9.70E-05	1.53E-08	5.32E-09	1.19E-04	1.87E-08	6.52E-09	1.04E-04	1.64E-08	5.71E-09
1427	495361.06, 3858401.99	9.61E-05	1.51E-08	5.27E-09	1.18E-04	1.85E-08	6.46E-09	1.03E-04	1.62E-08	5.66E-09
1428	495411.06, 3858401.99	9.56E-05	1.51E-08	5.24E-09	1.17E-04	1.84E-08	6.42E-09	1.03E-04	1.62E-08	5.63E-09
1429	495461.06, 3858401.99	9.52E-05	1.50E-08	5.23E-09	1.17E-04	1.84E-08	6.40E-09	1.02E-04	1.61E-08	5.61E-09
1430	495511.06, 3858401.99	9.47E-05	1.49E-08	5.20E-09	1.16E-04	1.83E-08	6.37E-09	1.02E-04	1.60E-08	5.58E-09
1431	495561.06, 3858401.99	9.35E-05	1.47E-08	5.13E-09	1.15E-04	1.80E-08	6.29E-09	1.00E-04	1.58E-08	5.51E-09
1432	495611.06, 3858401.99	9.31E-05	1.47E-08	5.11E-09	1.14E-04	1.80E-08	6.26E-09	9.99E-05	1.57E-08	5.48E-09
1433	495661.06, 3858401.99	9.37E-05	1.48E-08	5.14E-09	1.15E-04	1.81E-08	6.30E-09	1.01E-04	1.58E-08	5.52E-09
1434	494311.06, 3858451.99	1.31E-04	2.06E-08	7.18E-09	1.60E-04	2.53E-08	8.80E-09	1.40E-04	2.21E-08	7.71E-09
1435	494361.06, 3858451.99	1.29E-04	2.03E-08	7.08E-09	1.58E-04	2.49E-08	8.67E-09	1.38E-04	2.18E-08	7.60E-09
1436	494411.06, 3858451.99	1.27E-04	2.01E-08	6.99E-09	1.56E-04	2.46E-08	8.57E-09	1.37E-04	2.15E-08	7.51E-09
1437	494461.06, 3858451.99	1.26E-04	1.99E-08	6.92E-09	1.54E-04	2.43E-08	8.47E-09	1.35E-04	2.13E-08	7.42E-09
1438	494511.06, 3858451.99	1.25E-04	1.97E-08	6.87E-09	1.53E-04	2.42E-08	8.42E-09	1.34E-04	2.12E-08	7.37E-09
1439	494561.06, 3858451.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.30E-09	1.32E-04	2.09E-08	7.27E-09
1440	494611.06, 3858451.99	1.22E-04	1.92E-08	6.70E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.06E-08	7.19E-09
1441	494661.06, 3858451.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.29E-04	2.04E-08	7.11E-09
1442	494711.06, 3858451.99	1.19E-04	1.87E-08	6.52E-09	1.45E-04	2.29E-08	7.98E-09	1.27E-04	2.01E-08	7.00E-09
1443	494761.06, 3858451.99	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.86E-09	1.25E-04	1.98E-08	6.89E-09
1444	494811.06, 3858451.99	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
1445	494861.06, 3858451.99	1.14E-04	1.79E-08	6.24E-09	1.39E-04	2.19E-08	7.64E-09	1.22E-04	1.92E-08	6.70E-09
1446	494911.06, 3858451.99	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
1447	494961.06, 3858451.99	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.47E-09
1448	495011.06, 3858451.99	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.82E-08	6.35E-09
1449	495061.06, 3858451.99	1.07E-04	1.68E-08	5.87E-09	1.31E-04	2.06E-08	7.19E-09	1.15E-04	1.81E-08	6.30E-09
1450	495111.06, 3858451.99	1.05E-04	1.65E-08	5.76E-09	1.29E-04	2.02E-08	7.05E-09	1.13E-04	1.77E-08	6.18E-09
1451	495161.06, 3858451.99	1.03E-04	1.62E-08	5.64E-09	1.26E-04	1.98E-08	6.90E-09	1.10E-04	1.74E-08	6.05E-09
1452	495211.06, 3858451.99	1.01E-04	1.59E-08	5.53E-09	1.23E-04	1.94E-08	6.77E-09	1.08E-04	1.70E-08	5.94E-09
1453	495261.06, 3858451.99	9.95E-05	1.57E-08	5.46E-09	1.22E-04	1.92E-08	6.69E-09	1.07E-04	1.68E-08	5.86E-09
1454	495311.06, 3858451.99	9.84E-05	1.55E-08	5.40E-09	1.21E-04	1.90E-08	6.62E-09	1.06E-04	1.66E-08	5.80E-09
1455	495361.06, 3858451.99	9.76E-05	1.54E-08	5.36E-09	1.20E-04	1.88E-08	6.56E-09	1.05E-04	1.65E-08	5.75E-09
1456	495411.06, 3858451.99	9.72E-05	1.53E-08	5.33E-09	1.19E-04	1.88E-08	6.53E-09	1.04E-04	1.64E-08	5.73E-09
1457	495461.06, 3858451.99	9.69E-05	1.53E-08	5.32E-09	1.19E-04	1.87E-08	6.51E-09	1.04E-04	1.64E-08	5.71E-09
1458	495511.06, 3858451.99	9.59E-05	1.51E-08	5.26E-09	1.17E-04	1.85E-08	6.44E-09	1.03E-04	1.62E-08	5.65E-09
1459	495561.06, 3858451.99	9.60E-05	1.51E-08	5.27E-09	1.18E-04	1.85E-08	6.45E-09	1.03E-04	1.62E-08	5.66E-09
1460	495611.06, 3858451.99	9.48E-05	1.49E-08	5.20E-09	1.16E-04	1.83E-08	6.37E-09	1.02E-04	1.60E-08	5.58E-09
1461	495661.06, 3858451.99	9.46E-05	1.49E-08	5.19E-09	1.16E-04	1.83E-08	6.36E-09	1.02E-04	1.60E-08	5.57E-09
1462	494311.06, 3858501.99	1.31E-04	2.07E-08	7.20E-09	1.61E-04	2.53E-08	8.82E-09	1.41E-04	2.22E-08	7.72E-09
1463	494361.06, 3858501.99	1.30E-04	2.05E-08	7.13E-09	1.59E-04	2.51E-08	8.73E-09	1.39E-04	2.20E-08	7.65E-09
1464	494411.06, 3858501.99	1.28E-04	2.02E-08	7.05E-09	1.57E-04	2.48E-08	8.64E-09	1.38E-04	2.17E-08	7.57E-09
1465	494461.06, 3858501.99	1.28E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.58E-09	1.37E-04	2.16E-08	7.51E-09
1466	494511.06, 3858501.99	1.26E-04	1.98E-08	6.90E-09	1.54E-04	2.42E-08	8.45E-09	1.35E-04	2.12E-08	7.40E-09
1467	494561.06, 3858501.99	1.26E-04	1.98E-08	6.90E-09	1.54E-04	2.43E-08	8.46E-09	1.35E-04	2.13E-08	7.41E-09
1468	494611.06, 3858501.99	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.40E-08	8.34E-09	1.33E-04	2.10E-08	7.31E-09
1469	494661.06, 3858501.99	1.23E-04	1.94E-08	6.75E-09	1.51E-04	2.37E-08	8.27E-09	1.32E-04	2.08E-08	7.25E-09
1470	494711.06, 3858501.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.14E-09
1471	494761.06, 3858501.99	1.19E-04	1.87E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
1472	494811.06, 3858501.99	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.89E-09
1473	494861.06, 3858501.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.96E-08	6.81E-09
1474	494911.06, 3858501.99	1.13E-04	1.78E-08	6.20E-09	1.38E-04	2.18E-08	7.59E-09	1.21E-04	1.91E-08	6.65E-09
1475	494961.06, 3858501.99	1.12E-04	1.76E-08	6.12E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.57E-09
1476	495011.06, 3858501.99	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.44E-09
1477	495061.06, 3858501.99	1.08E-04	1.71E-08	5.94E-09	1.33E-04	2.09E-08	7.28E-09	1.16E-04	1.83E-08	6.38E-09
1478	495111.06, 3858501.99	1.05E-04	1.66E-08	5.79E-09	1.29E-04	2.03E-08	7.09E-09	1.13E-04	1.78E-08	6.21E-09
1479	495161.06, 3858501.99	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.75E-08	6.11E-09
1480	495211.06, 3858501.99	1.02E-04	1.61E-08	5.59E-09	1.25E-04	1.97E-08	6.85E-09	1.09E-04	1.72E-08	6.00E-09
1481	495261.06, 3858501.99	1.01E-04	1.59E-08	5.53E-09	1.23E-04	1.94E-08	6.77E-09	1.08E-04	1.70E-08	5.93E-09
1482	495311.06, 3858501.99	1.00E-04	1.57E-08	5.49E-09	1.22E-04	1.93E-08	6.72E-09	1.07E-04	1.69E-08	5.89E-09
1483	495361.06, 3858501.99	9.93E-05	1.56E-08	5.45E-09	1.22E-04	1.92E-08	6.67E-09	1.07E-04	1.68E-08	5.85E-09
1484	495411.06, 3858501.99	9.89E-05	1.56E-08	5.43E-09	1.21E-04	1.91E-08	6.65E-09	1.06E-04	1.67E-08	5.82E-09

1485	495461.06, 3858501.99	9.84E-05	1.55E-08	5.40E-09	1.21E-04	1.90E-08	6.62E-09	1.06E-04	1.66E-08	5.80E-09
1486	495511.06, 3858501.99	9.78E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.57E-09	1.05E-04	1.65E-08	5.76E-09
1487	495561.06, 3858501.99	9.78E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.58E-09	1.05E-04	1.65E-08	5.76E-09
1488	495611.06, 3858501.99	9.67E-05	1.52E-08	5.31E-09	1.18E-04	1.87E-08	6.50E-09	1.04E-04	1.64E-08	5.70E-09
1489	495661.06, 3858501.99	9.66E-05	1.52E-08	5.30E-09	1.18E-04	1.86E-08	6.49E-09	1.04E-04	1.63E-08	5.69E-09
1490	494311.06, 3858551.99	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.48E-08	8.66E-09	1.38E-04	2.18E-08	7.58E-09
1491	494361.06, 3858551.99	1.30E-04	2.04E-08	7.11E-09	1.59E-04	2.50E-08	8.71E-09	1.39E-04	2.19E-08	7.63E-09
1492	494411.06, 3858551.99	1.30E-04	2.05E-08	7.15E-09	1.60E-04	2.51E-08	8.76E-09	1.40E-04	2.20E-08	7.67E-09
1493	494461.06, 3858551.99	1.30E-04	2.05E-08	7.13E-09	1.59E-04	2.51E-08	8.73E-09	1.39E-04	2.20E-08	7.65E-09
1494	494511.06, 3858551.99	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.66E-09	1.38E-04	2.18E-08	7.59E-09
1495	494561.06, 3858551.99	1.28E-04	2.02E-08	7.02E-09	1.57E-04	2.47E-08	8.60E-09	1.37E-04	2.16E-08	7.54E-09
1496	494611.06, 3858551.99	1.27E-04	1.99E-08	6.95E-09	1.55E-04	2.44E-08	8.51E-09	1.36E-04	2.14E-08	7.46E-09
1497	494661.06, 3858551.99	1.25E-04	1.98E-08	6.89E-09	1.54E-04	2.42E-08	8.43E-09	1.35E-04	2.12E-08	7.39E-09
1498	494711.06, 3858551.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.09E-08	7.27E-09
1499	494761.06, 3858551.99	1.21E-04	1.91E-08	6.65E-09	1.49E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.14E-09
1500	494811.06, 3858551.99	1.20E-04	1.88E-08	6.57E-09	1.47E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.05E-09
1501	494861.06, 3858551.99	1.18E-04	1.85E-08	6.45E-09	1.44E-04	2.27E-08	7.90E-09	1.26E-04	1.99E-08	6.92E-09
1502	494911.06, 3858551.99	1.15E-04	1.81E-08	6.32E-09	1.41E-04	2.22E-08	7.74E-09	1.24E-04	1.95E-08	6.78E-09
1503	494961.06, 3858551.99	1.13E-04	1.78E-08	6.22E-09	1.39E-04	2.19E-08	7.61E-09	1.22E-04	1.92E-08	6.67E-09
1504	495011.06, 3858551.99	1.11E-04	1.75E-08	6.08E-09	1.36E-04	2.14E-08	7.45E-09	1.19E-04	1.87E-08	6.53E-09
1505	495061.06, 3858551.99	1.09E-04	1.72E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.17E-04	1.85E-08	6.45E-09
1506	495111.06, 3858551.99	1.07E-04	1.68E-08	5.85E-09	1.31E-04	2.06E-08	7.16E-09	1.14E-04	1.80E-08	6.28E-09
1507	495161.06, 3858551.99	1.05E-04	1.65E-08	5.75E-09	1.28E-04	2.02E-08	7.04E-09	1.12E-04	1.77E-08	6.17E-09
1508	495211.06, 3858551.99	1.03E-04	1.63E-08	5.66E-09	1.26E-04	1.99E-08	6.94E-09	1.11E-04	1.74E-08	6.08E-09
1509	495261.06, 3858551.99	1.02E-04	1.61E-08	5.60E-09	1.25E-04	1.97E-08	6.86E-09	1.10E-04	1.73E-08	6.01E-09
1510	495311.06, 3858551.99	1.02E-04	1.60E-08	5.57E-09	1.24E-04	1.96E-08	6.83E-09	1.09E-04	1.72E-08	5.98E-09
1511	495361.06, 3858551.99	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.78E-09	1.08E-04	1.71E-08	5.94E-09
1512	495411.06, 3858551.99	1.01E-04	1.58E-08	5.52E-09	1.23E-04	1.94E-08	6.76E-09	1.08E-04	1.70E-08	5.93E-09
1513	495461.06, 3858551.99	1.00E-04	1.58E-08	5.49E-09	1.23E-04	1.93E-08	6.73E-09	1.07E-04	1.69E-08	5.89E-09
1514	495511.06, 3858551.99	9.98E-05	1.57E-08	5.48E-09	1.22E-04	1.93E-08	6.71E-09	1.07E-04	1.69E-08	5.88E-09
1515	495561.06, 3858551.99	9.93E-05	1.56E-08	5.45E-09	1.22E-04	1.92E-08	6.67E-09	1.07E-04	1.68E-08	5.85E-09
1516	495611.06, 3858551.99	9.86E-05	1.55E-08	5.41E-09	1.21E-04	1.90E-08	6.63E-09	1.06E-04	1.67E-08	5.81E-09
1517	495661.06, 3858551.99	9.78E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.58E-09	1.05E-04	1.65E-08	5.76E-09
1518	494311.06, 3858601.99	1.22E-04	1.92E-08	6.70E-09	1.49E-04	2.36E-08	8.20E-09	1.31E-04	2.06E-08	7.19E-09
1519	494361.06, 3858601.99	1.28E-04	2.02E-08	7.04E-09	1.57E-04	2.48E-08	8.63E-09	1.38E-04	2.17E-08	7.56E-09
1520	494411.06, 3858601.99	1.33E-04	2.09E-08	7.29E-09	1.63E-04	2.56E-08	8.93E-09	1.43E-04	2.25E-08	7.82E-09
1521	494461.06, 3858601.99	1.32E-04	2.09E-08	7.26E-09	1.62E-04	2.55E-08	8.90E-09	1.42E-04	2.24E-08	7.80E-09
1522	494511.06, 3858601.99	1.31E-04	2.06E-08	7.18E-09	1.60E-04	2.52E-08	8.79E-09	1.40E-04	2.21E-08	7.70E-09
1523	494561.06, 3858601.99	1.31E-04	2.06E-08	7.17E-09	1.60E-04	2.52E-08	8.78E-09	1.40E-04	2.21E-08	7.70E-09
1524	494611.06, 3858601.99	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.67E-09	1.38E-04	2.18E-08	7.59E-09
1525	494661.06, 3858601.99	1.28E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.58E-09	1.37E-04	2.16E-08	7.52E-09
1526	494711.06, 3858601.99	1.26E-04	1.98E-08	6.89E-09	1.54E-04	2.42E-08	8.44E-09	1.35E-04	2.12E-08	7.40E-09
1527	494761.06, 3858601.99	1.24E-04	1.95E-08	6.79E-09	1.51E-04	2.39E-08	8.31E-09	1.33E-04	2.09E-08	7.28E-09
1528	494811.06, 3858601.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.30E-04	2.04E-08	7.11E-09
1529	494861.06, 3858601.99	1.19E-04	1.88E-08	6.54E-09	1.46E-04	2.30E-08	8.01E-09	1.28E-04	2.01E-08	7.02E-09
1530	494911.06, 3858601.99	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.83E-09	1.25E-04	1.97E-08	6.86E-09
1531	494961.06, 3858601.99	1.15E-04	1.80E-08	6.29E-09	1.40E-04	2.21E-08	7.70E-09	1.23E-04	1.94E-08	6.75E-09
1532	495011.06, 3858601.99	1.13E-04	1.77E-08	6.18E-09	1.38E-04	2.17E-08	7.57E-09	1.21E-04	1.90E-08	6.63E-09
1533	495061.06, 3858601.99	1.11E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
1534	495111.06, 3858601.99	1.07E-04	1.69E-08	5.90E-09	1.32E-04	2.07E-08	7.22E-09	1.15E-04	1.82E-08	6.33E-09
1535	495161.06, 3858601.99	1.06E-04	1.67E-08	5.81E-09	1.30E-04	2.04E-08	7.12E-09	1.14E-04	1.79E-08	6.24E-09
1536	495211.06, 3858601.99	1.05E-04	1.65E-08	5.75E-09	1.28E-04	2.02E-08	7.05E-09	1.13E-04	1.77E-08	6.18E-09
1537	495261.06, 3858601.99	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.75E-08	6.11E-09
1538	495311.06, 3858601.99	1.03E-04	1.62E-08	5.64E-09	1.26E-04	1.98E-08	6.91E-09	1.10E-04	1.74E-08	6.06E-09
1539	495361.06, 3858601.99	1.02E-04	1.61E-08	5.62E-09	1.25E-04	1.97E-08	6.88E-09	1.10E-04	1.73E-08	6.03E-09
1540	495411.06, 3858601.99	1.02E-04	1.60E-08	5.59E-09	1.25E-04	1.97E-08	6.85E-09	1.09E-04	1.72E-08	6.00E-09
1541	495461.06, 3858601.99	1.02E-04	1.60E-08	5.57E-09	1.24E-04	1.96E-08	6.82E-09	1.09E-04	1.72E-08	5.98E-09
1542	495511.06, 3858601.99	1.01E-04	1.59E-08	5.52E-09	1.23E-04	1.94E-08	6.76E-09	1.08E-04	1.70E-08	5.93E-09
1543	495561.06, 3858601.99	1.01E-04	1.58E-08	5.52E-09	1.23E-04	1.94E-08	6.76E-09	1.08E-04	1.70E-08	5.92E-09
1544	495611.06, 3858601.99	9.95E-05	1.57E-08	5.46E-09	1.22E-04	1.92E-08	6.69E-09	1.07E-04	1.68E-08	5.86E-09
1545	495661.06, 3858601.99	9.92E-05	1.56E-08	5.44E-09	1.21E-04	1.91E-08	6.67E-09	1.06E-04	1.68E-08	5.84E-09
1546	494311.06, 3858651.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.29E-04	2.04E-08	7.10E-09

1547	494361.06, 3858651.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.46E-09
1548	494411.06, 3858651.99	1.34E-04	2.11E-08	7.34E-09	1.64E-04	2.58E-08	8.99E-09	1.43E-04	2.26E-08	7.87E-09
1549	494461.06, 3858651.99	1.34E-04	2.11E-08	7.37E-09	1.64E-04	2.59E-08	9.02E-09	1.44E-04	2.27E-08	7.91E-09
1550	494511.06, 3858651.99	1.33E-04	2.10E-08	7.31E-09	1.63E-04	2.57E-08	8.95E-09	1.43E-04	2.25E-08	7.84E-09
1551	494561.06, 3858651.99	1.32E-04	2.09E-08	7.27E-09	1.62E-04	2.56E-08	8.90E-09	1.42E-04	2.24E-08	7.80E-09
1552	494611.06, 3858651.99	1.31E-04	2.07E-08	7.21E-09	1.61E-04	2.53E-08	8.83E-09	1.41E-04	2.22E-08	7.74E-09
1553	494661.06, 3858651.99	1.30E-04	2.04E-08	7.12E-09	1.59E-04	2.50E-08	8.72E-09	1.39E-04	2.19E-08	7.64E-09
1554	494711.06, 3858651.99	1.27E-04	2.01E-08	6.99E-09	1.56E-04	2.46E-08	8.57E-09	1.37E-04	2.15E-08	7.51E-09
1555	494761.06, 3858651.99	1.26E-04	1.98E-08	6.90E-09	1.54E-04	2.42E-08	8.45E-09	1.35E-04	2.12E-08	7.40E-09
1556	494811.06, 3858651.99	1.23E-04	1.94E-08	6.75E-09	1.51E-04	2.37E-08	8.27E-09	1.32E-04	2.08E-08	7.25E-09
1557	494861.06, 3858651.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.29E-04	2.04E-08	7.11E-09
1558	494911.06, 3858651.99	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.93E-09	1.27E-04	2.00E-08	6.95E-09
1559	494961.06, 3858651.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.96E-08	6.81E-09
1560	495011.06, 3858651.99	1.14E-04	1.79E-08	6.25E-09	1.39E-04	2.20E-08	7.65E-09	1.22E-04	1.92E-08	6.70E-09
1561	495061.06, 3858651.99	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
1562	495111.06, 3858651.99	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
1563	495161.06, 3858651.99	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.82E-08	6.35E-09
1564	495211.06, 3858651.99	1.06E-04	1.67E-08	5.82E-09	1.30E-04	2.05E-08	7.12E-09	1.14E-04	1.79E-08	6.24E-09
1565	495261.06, 3858651.99	1.05E-04	1.66E-08	5.79E-09	1.29E-04	2.04E-08	7.09E-09	1.13E-04	1.78E-08	6.21E-09
1566	495311.06, 3858651.99	1.05E-04	1.65E-08	5.74E-09	1.28E-04	2.02E-08	7.03E-09	1.12E-04	1.77E-08	6.16E-09
1567	495361.06, 3858651.99	1.04E-04	1.64E-08	5.71E-09	1.27E-04	2.01E-08	6.99E-09	1.12E-04	1.76E-08	6.13E-09
1568	495411.06, 3858651.99	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.75E-08	6.11E-09
1569	495461.06, 3858651.99	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.75E-08	6.11E-09
1570	495511.06, 3858651.99	1.03E-04	1.62E-08	5.63E-09	1.26E-04	1.98E-08	6.90E-09	1.10E-04	1.73E-08	6.04E-09
1571	495561.06, 3858651.99	1.02E-04	1.60E-08	5.59E-09	1.25E-04	1.97E-08	6.85E-09	1.09E-04	1.72E-08	6.00E-09
1572	495611.06, 3858651.99	1.01E-04	1.59E-08	5.52E-09	1.23E-04	1.94E-08	6.77E-09	1.08E-04	1.70E-08	5.93E-09
1573	495661.06, 3858651.99	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.94E-08	6.74E-09	1.08E-04	1.70E-08	5.91E-09
1574	494311.06, 3858701.99	1.22E-04	1.92E-08	6.70E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.06E-08	7.19E-09
1575	494361.06, 3858701.99	1.31E-04	2.06E-08	7.17E-09	1.60E-04	2.52E-08	8.78E-09	1.40E-04	2.21E-08	7.69E-09
1576	494411.06, 3858701.99	1.35E-04	2.13E-08	7.43E-09	1.66E-04	2.61E-08	9.10E-09	1.45E-04	2.29E-08	7.97E-09
1577	494461.06, 3858701.99	1.35E-04	2.13E-08	7.42E-09	1.66E-04	2.61E-08	9.09E-09	1.45E-04	2.29E-08	7.97E-09
1578	494511.06, 3858701.99	1.35E-04	2.13E-08	7.41E-09	1.65E-04	2.60E-08	9.07E-09	1.45E-04	2.28E-08	7.95E-09
1579	494561.06, 3858701.99	1.34E-04	2.11E-08	7.35E-09	1.64E-04	2.58E-08	9.01E-09	1.44E-04	2.26E-08	7.89E-09
1580	494611.06, 3858701.99	1.31E-04	2.07E-08	7.20E-09	1.61E-04	2.53E-08	8.82E-09	1.41E-04	2.22E-08	7.73E-09
1581	494661.06, 3858701.99	1.31E-04	2.06E-08	7.19E-09	1.60E-04	2.53E-08	8.81E-09	1.41E-04	2.21E-08	7.72E-09
1582	494711.06, 3858701.99	1.25E-04	1.97E-08	6.88E-09	1.53E-04	2.42E-08	8.42E-09	1.34E-04	2.12E-08	7.38E-09
1583	494761.06, 3858701.99	1.26E-04	1.99E-08	6.94E-09	1.55E-04	2.44E-08	8.50E-09	1.36E-04	2.14E-08	7.44E-09
1584	494811.06, 3858701.99	1.24E-04	1.95E-08	6.79E-09	1.52E-04	2.39E-08	8.32E-09	1.33E-04	2.09E-08	7.29E-09
1585	494861.06, 3858701.99	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.18E-09	1.31E-04	2.06E-08	7.17E-09
1586	494911.06, 3858701.99	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.31E-08	8.06E-09	1.29E-04	2.03E-08	7.06E-09
1587	494961.06, 3858701.99	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.82E-09	1.25E-04	1.97E-08	6.85E-09
1588	495011.06, 3858701.99	1.14E-04	1.80E-08	6.26E-09	1.40E-04	2.20E-08	7.67E-09	1.22E-04	1.93E-08	6.72E-09
1589	495061.06, 3858701.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.66E-09
1590	495111.06, 3858701.99	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
1591	495161.06, 3858701.99	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.43E-09
1592	495211.06, 3858701.99	1.07E-04	1.69E-08	5.90E-09	1.32E-04	2.07E-08	7.22E-09	1.15E-04	1.82E-08	6.33E-09
1593	495261.06, 3858701.99	1.07E-04	1.69E-08	5.87E-09	1.31E-04	2.06E-08	7.19E-09	1.15E-04	1.81E-08	6.30E-09
1594	495311.06, 3858701.99	1.07E-04	1.68E-08	5.85E-09	1.31E-04	2.06E-08	7.17E-09	1.14E-04	1.80E-08	6.28E-09
1595	495361.06, 3858701.99	1.06E-04	1.67E-08	5.81E-09	1.30E-04	2.04E-08	7.12E-09	1.14E-04	1.79E-08	6.24E-09
1596	495411.06, 3858701.99	1.06E-04	1.67E-08	5.80E-09	1.30E-04	2.04E-08	7.11E-09	1.13E-04	1.79E-08	6.23E-09
1597	495461.06, 3858701.99	1.05E-04	1.66E-08	5.77E-09	1.29E-04	2.03E-08	7.07E-09	1.13E-04	1.78E-08	6.20E-09
1598	495511.06, 3858701.99	1.04E-04	1.64E-08	5.73E-09	1.28E-04	2.01E-08	7.02E-09	1.12E-04	1.76E-08	6.15E-09
1599	495561.06, 3858701.99	1.03E-04	1.63E-08	5.67E-09	1.27E-04	1.99E-08	6.95E-09	1.11E-04	1.75E-08	6.09E-09
1600	495611.06, 3858701.99	1.02E-04	1.61E-08	5.62E-09	1.25E-04	1.97E-08	6.88E-09	1.10E-04	1.73E-08	6.03E-09
1601	495661.06, 3858701.99	1.02E-04	1.60E-08	5.58E-09	1.25E-04	1.96E-08	6.84E-09	1.09E-04	1.72E-08	5.99E-09
1602	494311.06, 3858751.99	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.40E-08	8.34E-09	1.33E-04	2.10E-08	7.31E-09
1603	494361.06, 3858751.99	1.34E-04	2.11E-08	7.34E-09	1.64E-04	2.58E-08	8.99E-09	1.44E-04	2.26E-08	7.88E-09
1604	494411.06, 3858751.99	1.37E-04	2.16E-08	7.54E-09	1.68E-04	2.65E-08	9.23E-09	1.47E-04	2.32E-08	8.09E-09
1605	494461.06, 3858751.99	1.37E-04	2.16E-08	7.53E-09	1.68E-04	2.65E-08	9.22E-09	1.47E-04	2.32E-08	8.08E-09
1606	494511.06, 3858751.99	1.37E-04	2.16E-08	7.53E-09	1.68E-04	2.65E-08	9.23E-09	1.47E-04	2.32E-08	8.08E-09
1607	494561.06, 3858751.99	1.36E-04	2.14E-08	7.44E-09	1.66E-04	2.62E-08	9.12E-09	1.46E-04	2.29E-08	7.99E-09
1608	494611.06, 3858751.99	1.33E-04	2.10E-08	7.32E-09	1.63E-04	2.57E-08	8.97E-09	1.43E-04	2.26E-08	7.86E-09

1609	494661.06, 3858751.99	1.32E-04	2.08E-08	7.25E-09	1.62E-04	2.55E-08	8.88E-09	1.42E-04	2.23E-08	7.78E-09
1610	494711.06, 3858751.99	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.66E-09	1.38E-04	2.18E-08	7.59E-09
1611	494761.06, 3858751.99	1.28E-04	2.01E-08	7.01E-09	1.57E-04	2.47E-08	8.59E-09	1.37E-04	2.16E-08	7.53E-09
1612	494811.06, 3858751.99	1.25E-04	1.97E-08	6.86E-09	1.53E-04	2.41E-08	8.40E-09	1.34E-04	2.11E-08	7.36E-09
1613	494861.06, 3858751.99	1.22E-04	1.93E-08	6.72E-09	1.50E-04	2.36E-08	8.23E-09	1.31E-04	2.07E-08	7.22E-09
1614	494911.06, 3858751.99	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.05E-09	1.29E-04	2.03E-08	7.05E-09
1615	494961.06, 3858751.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.27E-08	7.92E-09	1.26E-04	1.99E-08	6.94E-09
1616	495011.06, 3858751.99	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.83E-09	1.25E-04	1.97E-08	6.86E-09
1617	495061.06, 3858751.99	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.69E-09	1.23E-04	1.94E-08	6.74E-09
1618	495111.06, 3858751.99	1.12E-04	1.77E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.90E-08	6.60E-09
1619	495161.06, 3858751.99	1.11E-04	1.74E-08	6.08E-09	1.36E-04	2.14E-08	7.44E-09	1.19E-04	1.87E-08	6.52E-09
1620	495211.06, 3858751.99	1.09E-04	1.72E-08	5.98E-09	1.33E-04	2.10E-08	7.33E-09	1.17E-04	1.84E-08	6.42E-09
1621	495261.06, 3858751.99	1.08E-04	1.71E-08	5.95E-09	1.33E-04	2.09E-08	7.29E-09	1.16E-04	1.83E-08	6.39E-09
1622	495311.06, 3858751.99	1.08E-04	1.70E-08	5.93E-09	1.32E-04	2.08E-08	7.26E-09	1.16E-04	1.83E-08	6.36E-09
1623	495361.06, 3858751.99	1.07E-04	1.69E-08	5.89E-09	1.32E-04	2.07E-08	7.22E-09	1.15E-04	1.82E-08	6.33E-09
1624	495411.06, 3858751.99	1.07E-04	1.69E-08	5.89E-09	1.32E-04	2.07E-08	7.22E-09	1.15E-04	1.82E-08	6.32E-09
1625	495461.06, 3858751.99	1.07E-04	1.68E-08	5.86E-09	1.31E-04	2.06E-08	7.18E-09	1.15E-04	1.81E-08	6.29E-09
1626	495511.06, 3858751.99	1.06E-04	1.67E-08	5.82E-09	1.30E-04	2.05E-08	7.13E-09	1.14E-04	1.79E-08	6.24E-09
1627	495561.06, 3858751.99	1.05E-04	1.65E-08	5.76E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.78E-08	6.19E-09
1628	495611.06, 3858751.99	1.04E-04	1.64E-08	5.71E-09	1.27E-04	2.01E-08	6.99E-09	1.12E-04	1.76E-08	6.13E-09
1629	495661.06, 3858751.99	1.03E-04	1.63E-08	5.67E-09	1.27E-04	1.99E-08	6.94E-09	1.11E-04	1.75E-08	6.08E-09
1630	494311.06, 3858801.99	1.28E-04	2.02E-08	7.02E-09	1.57E-04	2.47E-08	8.60E-09	1.37E-04	2.16E-08	7.54E-09
1631	494361.06, 3858801.99	1.36E-04	2.14E-08	7.47E-09	1.67E-04	2.63E-08	9.15E-09	1.46E-04	2.30E-08	8.02E-09
1632	494411.06, 3858801.99	1.38E-04	2.17E-08	7.57E-09	1.69E-04	2.66E-08	9.27E-09	1.48E-04	2.33E-08	8.12E-09
1633	494461.06, 3858801.99	1.39E-04	2.18E-08	7.61E-09	1.70E-04	2.67E-08	9.32E-09	1.49E-04	2.34E-08	8.16E-09
1634	494511.06, 3858801.99	1.39E-04	2.19E-08	7.62E-09	1.70E-04	2.68E-08	9.34E-09	1.49E-04	2.35E-08	8.18E-09
1635	494561.06, 3858801.99	1.38E-04	2.18E-08	7.58E-09	1.69E-04	2.66E-08	9.28E-09	1.48E-04	2.33E-08	8.13E-09
1636	494611.06, 3858801.99	1.37E-04	2.15E-08	7.50E-09	1.67E-04	2.64E-08	9.19E-09	1.47E-04	2.31E-08	8.05E-09
1637	494661.06, 3858801.99	1.34E-04	2.12E-08	7.38E-09	1.65E-04	2.59E-08	9.04E-09	1.44E-04	2.27E-08	7.92E-09
1638	494711.06, 3858801.99	1.32E-04	2.08E-08	7.23E-09	1.61E-04	2.54E-08	8.86E-09	1.41E-04	2.23E-08	7.76E-09
1639	494761.06, 3858801.99	1.29E-04	2.03E-08	7.06E-09	1.58E-04	2.48E-08	8.65E-09	1.38E-04	2.17E-08	7.58E-09
1640	494811.06, 3858801.99	1.25E-04	1.98E-08	6.88E-09	1.54E-04	2.42E-08	8.43E-09	1.35E-04	2.12E-08	7.39E-09
1641	494861.06, 3858801.99	1.24E-04	1.95E-08	6.79E-09	1.51E-04	2.39E-08	8.31E-09	1.33E-04	2.09E-08	7.28E-09
1642	494911.06, 3858801.99	1.21E-04	1.91E-08	6.64E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.13E-09
1643	494961.06, 3858801.99	1.19E-04	1.88E-08	6.54E-09	1.46E-04	2.30E-08	8.01E-09	1.28E-04	2.01E-08	7.02E-09
1644	495011.06, 3858801.99	1.17E-04	1.84E-08	6.43E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.90E-09
1645	495061.06, 3858801.99	1.16E-04	1.82E-08	6.36E-09	1.42E-04	2.23E-08	7.79E-09	1.24E-04	1.96E-08	6.82E-09
1646	495111.06, 3858801.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.61E-09	1.21E-04	1.91E-08	6.67E-09
1647	495161.06, 3858801.99	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.56E-09
1648	495211.06, 3858801.99	1.10E-04	1.74E-08	6.05E-09	1.35E-04	2.13E-08	7.41E-09	1.18E-04	1.86E-08	6.50E-09
1649	495261.06, 3858801.99	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.38E-09	1.18E-04	1.86E-08	6.47E-09
1650	495311.06, 3858801.99	1.10E-04	1.73E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.45E-09
1651	495361.06, 3858801.99	1.09E-04	1.72E-08	5.98E-09	1.33E-04	2.10E-08	7.32E-09	1.17E-04	1.84E-08	6.42E-09
1652	495411.06, 3858801.99	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.43E-09
1653	495461.06, 3858801.99	1.09E-04	1.71E-08	5.96E-09	1.33E-04	2.09E-08	7.30E-09	1.17E-04	1.84E-08	6.39E-09
1654	495511.06, 3858801.99	1.08E-04	1.69E-08	5.90E-09	1.32E-04	2.08E-08	7.23E-09	1.15E-04	1.82E-08	6.34E-09
1655	495561.06, 3858801.99	1.07E-04	1.68E-08	5.86E-09	1.31E-04	2.06E-08	7.18E-09	1.15E-04	1.81E-08	6.29E-09
1656	495611.06, 3858801.99	1.06E-04	1.66E-08	5.79E-09	1.29E-04	2.04E-08	7.09E-09	1.13E-04	1.78E-08	6.22E-09
1657	495661.06, 3858801.99	1.05E-04	1.65E-08	5.76E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.77E-08	6.18E-09
1658	494311.06, 3858851.99	1.37E-04	2.15E-08	7.50E-09	1.67E-04	2.64E-08	9.18E-09	1.47E-04	2.31E-08	8.05E-09
1659	494361.06, 3858851.99	1.41E-04	2.22E-08	7.74E-09	1.73E-04	2.72E-08	9.48E-09	1.51E-04	2.38E-08	8.30E-09
1660	494411.06, 3858851.99	1.40E-04	2.21E-08	7.70E-09	1.72E-04	2.71E-08	9.44E-09	1.51E-04	2.37E-08	8.27E-09
1661	494461.06, 3858851.99	1.40E-04	2.21E-08	7.71E-09	1.72E-04	2.71E-08	9.44E-09	1.51E-04	2.37E-08	8.27E-09
1662	494511.06, 3858851.99	1.40E-04	2.21E-08	7.69E-09	1.72E-04	2.70E-08	9.42E-09	1.50E-04	2.37E-08	8.25E-09
1663	494561.06, 3858851.99	1.39E-04	2.19E-08	7.64E-09	1.70E-04	2.68E-08	9.35E-09	1.49E-04	2.35E-08	8.19E-09
1664	494611.06, 3858851.99	1.37E-04	2.16E-08	7.54E-09	1.68E-04	2.65E-08	9.24E-09	1.47E-04	2.32E-08	8.09E-09
1665	494661.06, 3858851.99	1.35E-04	2.13E-08	7.42E-09	1.66E-04	2.61E-08	9.09E-09	1.45E-04	2.29E-08	7.97E-09
1666	494711.06, 3858851.99	1.32E-04	2.08E-08	7.25E-09	1.62E-04	2.55E-08	8.88E-09	1.42E-04	2.23E-08	7.78E-09
1667	494761.06, 3858851.99	1.29E-04	2.03E-08	7.09E-09	1.58E-04	2.49E-08	8.68E-09	1.39E-04	2.18E-08	7.61E-09
1668	494811.06, 3858851.99	1.27E-04	1.99E-08	6.95E-09	1.55E-04	2.44E-08	8.51E-09	1.36E-04	2.14E-08	7.46E-09
1669	494861.06, 3858851.99	1.25E-04	1.97E-08	6.86E-09	1.53E-04	2.41E-08	8.40E-09	1.34E-04	2.11E-08	7.36E-09
1670	494911.06, 3858851.99	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.37E-08	8.25E-09	1.32E-04	2.07E-08	7.23E-09

1671	494961.06, 3858851.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.29E-04	2.04E-08	7.11E-09
1672	495011.06, 3858851.99	1.19E-04	1.87E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
1673	495061.06, 3858851.99	1.17E-04	1.84E-08	6.43E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.90E-09
1674	495111.06, 3858851.99	1.14E-04	1.79E-08	6.23E-09	1.39E-04	2.19E-08	7.63E-09	1.22E-04	1.92E-08	6.69E-09
1675	495161.06, 3858851.99	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
1676	495211.06, 3858851.99	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.52E-09	1.20E-04	1.89E-08	6.59E-09
1677	495261.06, 3858851.99	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.56E-09
1678	495311.06, 3858851.99	1.11E-04	1.75E-08	6.10E-09	1.36E-04	2.15E-08	7.47E-09	1.19E-04	1.88E-08	6.55E-09
1679	495361.06, 3858851.99	1.11E-04	1.75E-08	6.08E-09	1.36E-04	2.14E-08	7.45E-09	1.19E-04	1.87E-08	6.53E-09
1680	495411.06, 3858851.99	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.42E-09	1.18E-04	1.87E-08	6.50E-09
1681	495461.06, 3858851.99	1.10E-04	1.73E-08	6.04E-09	1.35E-04	2.12E-08	7.40E-09	1.18E-04	1.86E-08	6.49E-09
1682	495511.06, 3858851.99	1.10E-04	1.73E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.45E-09
1683	495561.06, 3858851.99	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.82E-08	6.35E-09
1684	495611.06, 3858851.99	1.06E-04	1.68E-08	5.84E-09	1.30E-04	2.05E-08	7.16E-09	1.14E-04	1.80E-08	6.27E-09
1685	495661.06, 3858851.99	1.06E-04	1.67E-08	5.83E-09	1.30E-04	2.05E-08	7.14E-09	1.14E-04	1.80E-08	6.26E-09
1686	494311.06, 3858901.99	1.40E-04	2.20E-08	7.66E-09	1.71E-04	2.69E-08	9.38E-09	1.50E-04	2.36E-08	8.22E-09
1687	494361.06, 3858901.99	1.43E-04	2.25E-08	7.83E-09	1.75E-04	2.75E-08	9.59E-09	1.53E-04	2.41E-08	8.40E-09
1688	494411.06, 3858901.99	1.43E-04	2.25E-08	7.83E-09	1.75E-04	2.75E-08	9.59E-09	1.53E-04	2.41E-08	8.40E-09
1689	494461.06, 3858901.99	1.43E-04	2.25E-08	7.83E-09	1.75E-04	2.75E-08	9.59E-09	1.53E-04	2.41E-08	8.40E-09
1690	494511.06, 3858901.99	1.42E-04	2.24E-08	7.81E-09	1.74E-04	2.75E-08	9.56E-09	1.53E-04	2.41E-08	8.38E-09
1691	494561.06, 3858901.99	1.41E-04	2.21E-08	7.71E-09	1.72E-04	2.71E-08	9.45E-09	1.51E-04	2.38E-08	8.28E-09
1692	494611.06, 3858901.99	1.38E-04	2.17E-08	7.55E-09	1.69E-04	2.65E-08	9.25E-09	1.48E-04	2.33E-08	8.10E-09
1693	494661.06, 3858901.99	1.36E-04	2.14E-08	7.46E-09	1.66E-04	2.62E-08	9.14E-09	1.46E-04	2.30E-08	8.00E-09
1694	494711.06, 3858901.99	1.33E-04	2.10E-08	7.31E-09	1.63E-04	2.57E-08	8.95E-09	1.43E-04	2.25E-08	7.84E-09
1695	494761.06, 3858901.99	1.30E-04	2.05E-08	7.13E-09	1.59E-04	2.51E-08	8.73E-09	1.39E-04	2.20E-08	7.65E-09
1696	494811.06, 3858901.99	1.28E-04	2.01E-08	7.02E-09	1.57E-04	2.47E-08	8.60E-09	1.37E-04	2.16E-08	7.53E-09
1697	494861.06, 3858901.99	1.26E-04	1.99E-08	6.94E-09	1.55E-04	2.44E-08	8.50E-09	1.36E-04	2.14E-08	7.44E-09
1698	494911.06, 3858901.99	1.23E-04	1.94E-08	6.76E-09	1.51E-04	2.38E-08	8.28E-09	1.32E-04	2.08E-08	7.25E-09
1699	494961.06, 3858901.99	1.21E-04	1.91E-08	6.66E-09	1.49E-04	2.34E-08	8.16E-09	1.30E-04	2.05E-08	7.15E-09
1700	495011.06, 3858901.99	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.05E-09
1701	495061.06, 3858901.99	1.17E-04	1.85E-08	6.43E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.90E-09
1702	495111.06, 3858901.99	1.14E-04	1.79E-08	6.24E-09	1.39E-04	2.19E-08	7.64E-09	1.22E-04	1.92E-08	6.69E-09
1703	495161.06, 3858901.99	1.13E-04	1.77E-08	6.18E-09	1.38E-04	2.17E-08	7.57E-09	1.21E-04	1.90E-08	6.63E-09
1704	495211.06, 3858901.99	1.13E-04	1.78E-08	6.22E-09	1.39E-04	2.19E-08	7.61E-09	1.22E-04	1.91E-08	6.67E-09
1705	495261.06, 3858901.99	1.13E-04	1.78E-08	6.20E-09	1.38E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.65E-09
1706	495311.06, 3858901.99	1.12E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.56E-09	1.21E-04	1.90E-08	6.62E-09
1707	495361.06, 3858901.99	1.12E-04	1.76E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
1708	495411.06, 3858901.99	1.12E-04	1.76E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
1709	495461.06, 3858901.99	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.56E-09
1710	495511.06, 3858901.99	1.10E-04	1.73E-08	6.04E-09	1.35E-04	2.12E-08	7.40E-09	1.18E-04	1.86E-08	6.49E-09
1711	495561.06, 3858901.99	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.43E-09
1712	495611.06, 3858901.99	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.82E-08	6.36E-09
1713	495661.06, 3858901.99	1.08E-04	1.70E-08	5.91E-09	1.32E-04	2.08E-08	7.24E-09	1.16E-04	1.82E-08	6.35E-09
1714	494311.06, 3858951.99	1.44E-04	2.27E-08	7.91E-09	1.76E-04	2.78E-08	9.68E-09	1.55E-04	2.44E-08	8.48E-09
1715	494361.06, 3858951.99	1.45E-04	2.28E-08	7.96E-09	1.78E-04	2.80E-08	9.74E-09	1.56E-04	2.45E-08	8.54E-09
1716	494411.06, 3858951.99	1.44E-04	2.26E-08	7.89E-09	1.76E-04	2.77E-08	9.66E-09	1.54E-04	2.43E-08	8.46E-09
1717	494461.06, 3858951.99	1.44E-04	2.27E-08	7.90E-09	1.76E-04	2.78E-08	9.67E-09	1.54E-04	2.43E-08	8.47E-09
1718	494511.06, 3858951.99	1.43E-04	2.25E-08	7.84E-09	1.75E-04	2.76E-08	9.61E-09	1.53E-04	2.42E-08	8.42E-09
1719	494561.06, 3858951.99	1.41E-04	2.23E-08	7.75E-09	1.73E-04	2.73E-08	9.50E-09	1.52E-04	2.39E-08	8.32E-09
1720	494611.06, 3858951.99	1.39E-04	2.19E-08	7.62E-09	1.70E-04	2.68E-08	9.33E-09	1.49E-04	2.35E-08	8.18E-09
1721	494661.06, 3858951.99	1.37E-04	2.15E-08	7.50E-09	1.67E-04	2.64E-08	9.18E-09	1.47E-04	2.31E-08	8.04E-09
1722	494711.06, 3858951.99	1.33E-04	2.10E-08	7.32E-09	1.63E-04	2.57E-08	8.96E-09	1.43E-04	2.25E-08	7.85E-09
1723	494761.06, 3858951.99	1.31E-04	2.06E-08	7.19E-09	1.60E-04	2.53E-08	8.80E-09	1.41E-04	2.21E-08	7.71E-09
1724	494811.06, 3858951.99	1.29E-04	2.04E-08	7.09E-09	1.58E-04	2.49E-08	8.69E-09	1.39E-04	2.19E-08	7.61E-09
1725	494861.06, 3858951.99	1.28E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.58E-09	1.37E-04	2.16E-08	7.52E-09
1726	494911.06, 3858951.99	1.25E-04	1.97E-08	6.87E-09	1.53E-04	2.41E-08	8.41E-09	1.34E-04	2.12E-08	7.37E-09
1727	494961.06, 3858951.99	1.24E-04	1.95E-08	6.80E-09	1.52E-04	2.39E-08	8.33E-09	1.33E-04	2.09E-08	7.30E-09
1728	495011.06, 3858951.99	1.20E-04	1.89E-08	6.59E-09	1.47E-04	2.32E-08	8.07E-09	1.29E-04	2.03E-08	7.07E-09
1729	495061.06, 3858951.99	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.83E-09	1.25E-04	1.97E-08	6.86E-09
1730	495111.06, 3858951.99	1.14E-04	1.79E-08	6.24E-09	1.39E-04	2.19E-08	7.65E-09	1.22E-04	1.92E-08	6.70E-09
1731	495161.06, 3858951.99	1.15E-04	1.81E-08	6.30E-09	1.41E-04	2.22E-08	7.72E-09	1.23E-04	1.94E-08	6.77E-09
1732	495211.06, 3858951.99	1.15E-04	1.81E-08	6.30E-09	1.40E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.76E-09

1733	495261.06, 3858951.99	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.70E-09	1.23E-04	1.94E-08	6.74E-09
1734	495311.06, 3858951.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.66E-09
1735	495361.06, 3858951.99	1.13E-04	1.78E-08	6.21E-09	1.38E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.66E-09
1736	495411.06, 3858951.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.61E-09	1.21E-04	1.91E-08	6.67E-09
1737	495461.06, 3858951.99	1.13E-04	1.77E-08	6.18E-09	1.38E-04	2.17E-08	7.57E-09	1.21E-04	1.90E-08	6.63E-09
1738	495511.06, 3858951.99	1.12E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.56E-09	1.21E-04	1.90E-08	6.62E-09
1739	495561.06, 3858951.99	1.11E-04	1.74E-08	6.07E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
1740	495611.06, 3858951.99	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
1741	495661.06, 3858951.99	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
1742	494311.06, 3859001.99	1.47E-04	2.31E-08	8.04E-09	1.79E-04	2.83E-08	9.85E-09	1.57E-04	2.48E-08	8.63E-09
1743	494361.06, 3859001.99	1.46E-04	2.30E-08	8.02E-09	1.79E-04	2.82E-08	9.82E-09	1.57E-04	2.47E-08	8.61E-09
1744	494411.06, 3859001.99	1.46E-04	2.29E-08	7.99E-09	1.78E-04	2.81E-08	9.79E-09	1.56E-04	2.46E-08	8.58E-09
1745	494461.06, 3859001.99	1.45E-04	2.28E-08	7.95E-09	1.77E-04	2.79E-08	9.73E-09	1.55E-04	2.45E-08	8.53E-09
1746	494511.06, 3859001.99	1.44E-04	2.27E-08	7.90E-09	1.76E-04	2.78E-08	9.67E-09	1.54E-04	2.43E-08	8.47E-09
1747	494561.06, 3859001.99	1.42E-04	2.23E-08	7.77E-09	1.73E-04	2.73E-08	9.52E-09	1.52E-04	2.39E-08	8.34E-09
1748	494611.06, 3859001.99	1.40E-04	2.20E-08	7.66E-09	1.71E-04	2.69E-08	9.38E-09	1.50E-04	2.36E-08	8.22E-09
1749	494661.06, 3859001.99	1.37E-04	2.16E-08	7.51E-09	1.68E-04	2.64E-08	9.20E-09	1.47E-04	2.31E-08	8.06E-09
1750	494711.06, 3859001.99	1.34E-04	2.11E-08	7.35E-09	1.64E-04	2.58E-08	9.00E-09	1.44E-04	2.26E-08	7.88E-09
1751	494761.06, 3859001.99	1.32E-04	2.08E-08	7.24E-09	1.62E-04	2.55E-08	8.87E-09	1.42E-04	2.23E-08	7.77E-09
1752	494811.06, 3859001.99	1.31E-04	2.06E-08	7.18E-09	1.60E-04	2.52E-08	8.79E-09	1.40E-04	2.21E-08	7.70E-09
1753	494861.06, 3859001.99	1.29E-04	2.03E-08	7.06E-09	1.58E-04	2.48E-08	8.65E-09	1.38E-04	2.18E-08	7.58E-09
1754	494911.06, 3859001.99	1.26E-04	1.99E-08	6.94E-09	1.55E-04	2.44E-08	8.50E-09	1.36E-04	2.14E-08	7.45E-09
1755	494961.06, 3859001.99	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.40E-08	8.35E-09	1.33E-04	2.10E-08	7.31E-09
1756	495011.06, 3859001.99	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.94E-09	1.27E-04	2.00E-08	6.96E-09
1757	495061.06, 3859001.99	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.86E-09	1.25E-04	1.98E-08	6.89E-09
1758	495111.06, 3859001.99	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.69E-09	1.23E-04	1.93E-08	6.74E-09
1759	495161.06, 3859001.99	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.81E-09	1.25E-04	1.97E-08	6.85E-09
1760	495211.06, 3859001.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.81E-09
1761	495261.06, 3859001.99	1.16E-04	1.82E-08	6.34E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.95E-08	6.81E-09
1762	495311.06, 3859001.99	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.72E-09	1.23E-04	1.94E-08	6.77E-09
1763	495361.06, 3859001.99	1.15E-04	1.81E-08	6.30E-09	1.41E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.76E-09
1764	495411.06, 3859001.99	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.69E-09	1.23E-04	1.93E-08	6.73E-09
1765	495461.06, 3859001.99	1.14E-04	1.80E-08	6.26E-09	1.40E-04	2.20E-08	7.67E-09	1.22E-04	1.93E-08	6.72E-09
1766	495511.06, 3859001.99	1.13E-04	1.77E-08	6.18E-09	1.38E-04	2.17E-08	7.57E-09	1.21E-04	1.90E-08	6.63E-09
1767	495561.06, 3859001.99	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
1768	495611.06, 3859001.99	1.11E-04	1.74E-08	6.08E-09	1.36E-04	2.14E-08	7.45E-09	1.19E-04	1.87E-08	6.52E-09
1769	495661.06, 3859001.99	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.56E-09
1770	494311.06, 3859051.99	1.48E-04	2.33E-08	8.12E-09	1.81E-04	2.85E-08	9.94E-09	1.59E-04	2.50E-08	8.71E-09
1771	494361.06, 3859051.99	1.48E-04	2.33E-08	8.11E-09	1.81E-04	2.85E-08	9.93E-09	1.59E-04	2.50E-08	8.70E-09
1772	494411.06, 3859051.99	1.47E-04	2.31E-08	8.04E-09	1.79E-04	2.83E-08	9.85E-09	1.57E-04	2.48E-08	8.63E-09
1773	494461.06, 3859051.99	1.45E-04	2.29E-08	7.96E-09	1.78E-04	2.80E-08	9.75E-09	1.56E-04	2.45E-08	8.55E-09
1774	494511.06, 3859051.99	1.43E-04	2.26E-08	7.87E-09	1.76E-04	2.77E-08	9.63E-09	1.54E-04	2.42E-08	8.44E-09
1775	494561.06, 3859051.99	1.42E-04	2.23E-08	7.78E-09	1.74E-04	2.74E-08	9.53E-09	1.52E-04	2.40E-08	8.35E-09
1776	494611.06, 3859051.99	1.40E-04	2.20E-08	7.66E-09	1.71E-04	2.69E-08	9.39E-09	1.50E-04	2.36E-08	8.23E-09
1777	494661.06, 3859051.99	1.37E-04	2.16E-08	7.54E-09	1.68E-04	2.65E-08	9.23E-09	1.47E-04	2.32E-08	8.09E-09
1778	494711.06, 3859051.99	1.35E-04	2.13E-08	7.42E-09	1.66E-04	2.61E-08	9.09E-09	1.45E-04	2.29E-08	7.96E-09
1779	494761.06, 3859051.99	1.33E-04	2.09E-08	7.29E-09	1.63E-04	2.56E-08	8.93E-09	1.43E-04	2.25E-08	7.83E-09
1780	494811.06, 3859051.99	1.31E-04	2.07E-08	7.21E-09	1.61E-04	2.53E-08	8.83E-09	1.41E-04	2.22E-08	7.73E-09
1781	494861.06, 3859051.99	1.30E-04	2.04E-08	7.11E-09	1.59E-04	2.50E-08	8.71E-09	1.39E-04	2.19E-08	7.63E-09
1782	494911.06, 3859051.99	1.27E-04	2.00E-08	6.97E-09	1.56E-04	2.45E-08	8.54E-09	1.36E-04	2.15E-08	7.48E-09
1783	494961.06, 3859051.99	1.23E-04	1.94E-08	6.76E-09	1.51E-04	2.38E-08	8.28E-09	1.32E-04	2.08E-08	7.25E-09
1784	495011.06, 3859051.99	1.20E-04	1.89E-08	6.60E-09	1.47E-04	2.32E-08	8.08E-09	1.29E-04	2.03E-08	7.08E-09
1785	495061.06, 3859051.99	1.18E-04	1.86E-08	6.49E-09	1.45E-04	2.28E-08	7.95E-09	1.27E-04	2.00E-08	6.96E-09
1786	495111.06, 3859051.99	1.17E-04	1.85E-08	6.43E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.90E-09
1787	495161.06, 3859051.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.28E-08	7.93E-09	1.27E-04	1.99E-08	6.95E-09
1788	495211.06, 3859051.99	1.17E-04	1.84E-08	6.40E-09	1.43E-04	2.25E-08	7.84E-09	1.25E-04	1.97E-08	6.87E-09
1789	495261.06, 3859051.99	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.89E-09
1790	495311.06, 3859051.99	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.81E-09	1.25E-04	1.96E-08	6.84E-09
1791	495361.06, 3859051.99	1.16E-04	1.82E-08	6.36E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.82E-09
1792	495411.06, 3859051.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.82E-09
1793	495461.06, 3859051.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.81E-09
1794	495511.06, 3859051.99	1.14E-04	1.80E-08	6.27E-09	1.40E-04	2.20E-08	7.67E-09	1.23E-04	1.93E-08	6.72E-09

1795	495561.06, 3859051.99	1.13E-04	1.78E-08	6.20E-09	1.38E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.66E-09
1796	495611.06, 3859051.99	1.12E-04	1.76E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
1797	495661.06, 3859051.99	1.12E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.56E-09	1.21E-04	1.90E-08	6.62E-09
1798	494311.06, 3859101.99	1.49E-04	2.35E-08	8.18E-09	1.83E-04	2.88E-08	1.00E-08	1.60E-04	2.52E-08	8.78E-09
1799	494361.06, 3859101.99	1.48E-04	2.33E-08	8.12E-09	1.81E-04	2.86E-08	9.95E-09	1.59E-04	2.50E-08	8.72E-09
1800	494411.06, 3859101.99	1.47E-04	2.32E-08	8.08E-09	1.80E-04	2.84E-08	9.89E-09	1.58E-04	2.49E-08	8.67E-09
1801	494461.06, 3859101.99	1.46E-04	2.30E-08	8.00E-09	1.78E-04	2.81E-08	9.80E-09	1.56E-04	2.46E-08	8.58E-09
1802	494511.06, 3859101.99	1.44E-04	2.26E-08	7.88E-09	1.76E-04	2.77E-08	9.66E-09	1.54E-04	2.43E-08	8.46E-09
1803	494561.06, 3859101.99	1.42E-04	2.24E-08	7.79E-09	1.74E-04	2.74E-08	9.55E-09	1.52E-04	2.40E-08	8.36E-09
1804	494611.06, 3859101.99	1.39E-04	2.20E-08	7.65E-09	1.71E-04	2.69E-08	9.38E-09	1.50E-04	2.36E-08	8.21E-09
1805	494661.06, 3859101.99	1.38E-04	2.17E-08	7.56E-09	1.69E-04	2.66E-08	9.26E-09	1.48E-04	2.33E-08	8.12E-09
1806	494711.06, 3859101.99	1.35E-04	2.13E-08	7.40E-09	1.65E-04	2.60E-08	9.07E-09	1.45E-04	2.28E-08	7.94E-09
1807	494761.06, 3859101.99	1.34E-04	2.11E-08	7.36E-09	1.64E-04	2.59E-08	9.01E-09	1.44E-04	2.27E-08	7.90E-09
1808	494811.06, 3859101.99	1.32E-04	2.08E-08	7.25E-09	1.62E-04	2.55E-08	8.88E-09	1.42E-04	2.23E-08	7.78E-09
1809	494861.06, 3859101.99	1.30E-04	2.05E-08	7.15E-09	1.60E-04	2.51E-08	8.76E-09	1.40E-04	2.20E-08	7.68E-09
1810	494911.06, 3859101.99	1.28E-04	2.01E-08	7.01E-09	1.56E-04	2.46E-08	8.59E-09	1.37E-04	2.16E-08	7.52E-09
1811	494961.06, 3859101.99	1.24E-04	1.95E-08	6.79E-09	1.52E-04	2.39E-08	8.32E-09	1.33E-04	2.09E-08	7.29E-09
1812	495011.06, 3859101.99	1.19E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.03E-09	1.28E-04	2.02E-08	7.04E-09
1813	495061.06, 3859101.99	1.19E-04	1.88E-08	6.56E-09	1.46E-04	2.30E-08	8.03E-09	1.28E-04	2.02E-08	7.04E-09
1814	495111.06, 3859101.99	1.18E-04	1.86E-08	6.49E-09	1.45E-04	2.28E-08	7.95E-09	1.27E-04	2.00E-08	6.97E-09
1815	495161.06, 3859101.99	1.19E-04	1.87E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
1816	495211.06, 3859101.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.28E-08	7.93E-09	1.27E-04	1.99E-08	6.95E-09
1817	495261.06, 3859101.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.28E-08	7.93E-09	1.27E-04	1.99E-08	6.95E-09
1818	495311.06, 3859101.99	1.18E-04	1.85E-08	6.45E-09	1.44E-04	2.27E-08	7.91E-09	1.26E-04	1.99E-08	6.93E-09
1819	495361.06, 3859101.99	1.18E-04	1.85E-08	6.45E-09	1.44E-04	2.27E-08	7.90E-09	1.26E-04	1.99E-08	6.92E-09
1820	495411.06, 3859101.99	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.91E-09
1821	495461.06, 3859101.99	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.82E-09	1.25E-04	1.97E-08	6.85E-09
1822	495511.06, 3859101.99	1.16E-04	1.82E-08	6.36E-09	1.42E-04	2.23E-08	7.79E-09	1.24E-04	1.96E-08	6.82E-09
1823	495561.06, 3859101.99	1.15E-04	1.81E-08	6.29E-09	1.40E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.75E-09
1824	495611.06, 3859101.99	1.13E-04	1.79E-08	6.23E-09	1.39E-04	2.19E-08	7.63E-09	1.22E-04	1.92E-08	6.68E-09
1825	495661.06, 3859101.99	1.13E-04	1.79E-08	6.22E-09	1.39E-04	2.19E-08	7.62E-09	1.22E-04	1.92E-08	6.68E-09
1826	494311.06, 3859151.99	1.49E-04	2.35E-08	8.19E-09	1.83E-04	2.88E-08	1.00E-08	1.60E-04	2.52E-08	8.79E-09
1827	494361.06, 3859151.99	1.49E-04	2.34E-08	8.15E-09	1.82E-04	2.87E-08	9.99E-09	1.59E-04	2.51E-08	8.75E-09
1828	494411.06, 3859151.99	1.47E-04	2.32E-08	8.07E-09	1.80E-04	2.84E-08	9.88E-09	1.58E-04	2.48E-08	8.66E-09
1829	494461.06, 3859151.99	1.45E-04	2.29E-08	7.98E-09	1.78E-04	2.80E-08	9.77E-09	1.56E-04	2.46E-08	8.56E-09
1830	494511.06, 3859151.99	1.43E-04	2.26E-08	7.86E-09	1.75E-04	2.76E-08	9.63E-09	1.54E-04	2.42E-08	8.44E-09
1831	494561.06, 3859151.99	1.42E-04	2.24E-08	7.79E-09	1.74E-04	2.74E-08	9.54E-09	1.52E-04	2.40E-08	8.36E-09
1832	494611.06, 3859151.99	1.40E-04	2.20E-08	7.67E-09	1.71E-04	2.70E-08	9.40E-09	1.50E-04	2.36E-08	8.23E-09
1833	494661.06, 3859151.99	1.38E-04	2.18E-08	7.59E-09	1.69E-04	2.67E-08	9.30E-09	1.48E-04	2.34E-08	8.15E-09
1834	494711.06, 3859151.99	1.37E-04	2.16E-08	7.52E-09	1.68E-04	2.65E-08	9.22E-09	1.47E-04	2.32E-08	8.08E-09
1835	494761.06, 3859151.99	1.35E-04	2.12E-08	7.38E-09	1.65E-04	2.60E-08	9.04E-09	1.44E-04	2.27E-08	7.92E-09
1836	494811.06, 3859151.99	1.32E-04	2.08E-08	7.26E-09	1.62E-04	2.55E-08	8.89E-09	1.42E-04	2.24E-08	7.79E-09
1837	494861.06, 3859151.99	1.31E-04	2.06E-08	7.18E-09	1.60E-04	2.52E-08	8.80E-09	1.40E-04	2.21E-08	7.71E-09
1838	494911.06, 3859151.99	1.28E-04	2.02E-08	7.03E-09	1.57E-04	2.47E-08	8.61E-09	1.37E-04	2.17E-08	7.54E-09
1839	494961.06, 3859151.99	1.24E-04	1.96E-08	6.83E-09	1.52E-04	2.40E-08	8.36E-09	1.33E-04	2.10E-08	7.33E-09
1840	495011.06, 3859151.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.10E-09	1.29E-04	2.04E-08	7.10E-09
1841	495061.06, 3859151.99	1.20E-04	1.89E-08	6.60E-09	1.47E-04	2.32E-08	8.08E-09	1.29E-04	2.03E-08	7.08E-09
1842	495111.06, 3859151.99	1.19E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.03E-09	1.28E-04	2.02E-08	7.04E-09
1843	495161.06, 3859151.99	1.20E-04	1.89E-08	6.60E-09	1.47E-04	2.32E-08	8.08E-09	1.29E-04	2.03E-08	7.08E-09
1844	495211.06, 3859151.99	1.20E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.04E-09
1845	495261.06, 3859151.99	1.19E-04	1.88E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
1846	495311.06, 3859151.99	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.98E-09	1.27E-04	2.01E-08	6.99E-09
1847	495361.06, 3859151.99	1.18E-04	1.86E-08	6.49E-09	1.45E-04	2.28E-08	7.94E-09	1.27E-04	2.00E-08	6.96E-09
1848	495411.06, 3859151.99	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.98E-09	1.27E-04	2.01E-08	6.99E-09
1849	495461.06, 3859151.99	1.18E-04	1.86E-08	6.49E-09	1.45E-04	2.28E-08	7.95E-09	1.27E-04	2.00E-08	6.96E-09
1850	495511.06, 3859151.99	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.86E-09	1.25E-04	1.98E-08	6.89E-09
1851	495561.06, 3859151.99	1.16E-04	1.83E-08	6.36E-09	1.42E-04	2.24E-08	7.80E-09	1.24E-04	1.96E-08	6.83E-09
1852	495611.06, 3859151.99	1.15E-04	1.81E-08	6.32E-09	1.41E-04	2.22E-08	7.74E-09	1.24E-04	1.95E-08	6.78E-09
1853	495661.06, 3859151.99	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.70E-09	1.23E-04	1.94E-08	6.74E-09
1854	494311.06, 3859201.99	1.49E-04	2.35E-08	8.18E-09	1.83E-04	2.88E-08	1.00E-08	1.60E-04	2.52E-08	8.78E-09
1855	494361.06, 3859201.99	1.48E-04	2.33E-08	8.13E-09	1.81E-04	2.86E-08	9.96E-09	1.59E-04	2.50E-08	8.73E-09
1856	494411.06, 3859201.99	1.47E-04	2.31E-08	8.06E-09	1.80E-04	2.83E-08	9.87E-09	1.58E-04	2.48E-08	8.65E-09

1857	494461.06, 3859201.99	1.45E-04	2.28E-08	7.95E-09	1.78E-04	2.80E-08	9.74E-09	1.56E-04	2.45E-08	8.54E-09
1858	494511.06, 3859201.99	1.44E-04	2.26E-08	7.88E-09	1.76E-04	2.77E-08	9.65E-09	1.54E-04	2.43E-08	8.46E-09
1859	494561.06, 3859201.99	1.41E-04	2.23E-08	7.77E-09	1.73E-04	2.73E-08	9.51E-09	1.52E-04	2.39E-08	8.33E-09
1860	494611.06, 3859201.99	1.40E-04	2.20E-08	7.67E-09	1.71E-04	2.70E-08	9.40E-09	1.50E-04	2.36E-08	8.23E-09
1861	494661.06, 3859201.99	1.38E-04	2.18E-08	7.60E-09	1.70E-04	2.67E-08	9.30E-09	1.49E-04	2.34E-08	8.15E-09
1862	494711.06, 3859201.99	1.37E-04	2.16E-08	7.52E-09	1.68E-04	2.64E-08	9.21E-09	1.47E-04	2.32E-08	8.07E-09
1863	494761.06, 3859201.99	1.35E-04	2.12E-08	7.39E-09	1.65E-04	2.60E-08	9.05E-09	1.45E-04	2.28E-08	7.93E-09
1864	494811.06, 3859201.99	1.33E-04	2.09E-08	7.28E-09	1.63E-04	2.56E-08	8.92E-09	1.42E-04	2.24E-08	7.82E-09
1865	494861.06, 3859201.99	1.31E-04	2.06E-08	7.16E-09	1.60E-04	2.52E-08	8.77E-09	1.40E-04	2.21E-08	7.69E-09
1866	494911.06, 3859201.99	1.27E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.57E-09	1.37E-04	2.15E-08	7.51E-09
1867	494961.06, 3859201.99	1.24E-04	1.96E-08	6.82E-09	1.52E-04	2.40E-08	8.35E-09	1.33E-04	2.10E-08	7.32E-09
1868	495011.06, 3859201.99	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.31E-08	8.06E-09	1.29E-04	2.03E-08	7.06E-09
1869	495061.06, 3859201.99	1.21E-04	1.91E-08	6.67E-09	1.49E-04	2.34E-08	8.16E-09	1.30E-04	2.05E-08	7.15E-09
1870	495111.06, 3859201.99	1.21E-04	1.91E-08	6.66E-09	1.49E-04	2.34E-08	8.16E-09	1.30E-04	2.05E-08	7.15E-09
1871	495161.06, 3859201.99	1.21E-04	1.91E-08	6.64E-09	1.48E-04	2.33E-08	8.13E-09	1.30E-04	2.05E-08	7.13E-09
1872	495211.06, 3859201.99	1.20E-04	1.89E-08	6.59E-09	1.47E-04	2.32E-08	8.07E-09	1.29E-04	2.03E-08	7.07E-09
1873	495261.06, 3859201.99	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.31E-08	8.06E-09	1.29E-04	2.03E-08	7.07E-09
1874	495311.06, 3859201.99	1.20E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.04E-09
1875	495361.06, 3859201.99	1.19E-04	1.88E-08	6.55E-09	1.46E-04	2.30E-08	8.02E-09	1.28E-04	2.02E-08	7.03E-09
1876	495411.06, 3859201.99	1.20E-04	1.88E-08	6.57E-09	1.47E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.05E-09
1877	495461.06, 3859201.99	1.19E-04	1.87E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
1878	495511.06, 3859201.99	1.18E-04	1.86E-08	6.49E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.97E-09
1879	495561.06, 3859201.99	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.86E-09	1.25E-04	1.98E-08	6.89E-09
1880	495611.06, 3859201.99	1.16E-04	1.83E-08	6.36E-09	1.42E-04	2.24E-08	7.79E-09	1.24E-04	1.96E-08	6.83E-09
1881	495661.06, 3859201.99	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.22E-08	7.75E-09	1.24E-04	1.95E-08	6.79E-09
1882	494311.06, 3859251.99	1.49E-04	2.34E-08	8.16E-09	1.82E-04	2.87E-08	1.00E-08	1.60E-04	2.52E-08	8.76E-09
1883	494361.06, 3859251.99	1.47E-04	2.32E-08	8.09E-09	1.81E-04	2.84E-08	9.91E-09	1.58E-04	2.49E-08	8.68E-09
1884	494411.06, 3859251.99	1.46E-04	2.29E-08	7.99E-09	1.78E-04	2.81E-08	9.79E-09	1.56E-04	2.46E-08	8.58E-09
1885	494461.06, 3859251.99	1.44E-04	2.27E-08	7.92E-09	1.77E-04	2.79E-08	9.71E-09	1.55E-04	2.44E-08	8.50E-09
1886	494511.06, 3859251.99	1.42E-04	2.24E-08	7.81E-09	1.74E-04	2.75E-08	9.57E-09	1.53E-04	2.41E-08	8.39E-09
1887	494561.06, 3859251.99	1.41E-04	2.22E-08	7.74E-09	1.73E-04	2.72E-08	9.48E-09	1.51E-04	2.38E-08	8.31E-09
1888	494611.06, 3859251.99	1.39E-04	2.19E-08	7.64E-09	1.71E-04	2.69E-08	9.36E-09	1.49E-04	2.35E-08	8.20E-09
1889	494661.06, 3859251.99	1.38E-04	2.18E-08	7.58E-09	1.69E-04	2.67E-08	9.29E-09	1.48E-04	2.34E-08	8.14E-09
1890	494711.06, 3859251.99	1.37E-04	2.16E-08	7.51E-09	1.68E-04	2.64E-08	9.20E-09	1.47E-04	2.31E-08	8.06E-09
1891	494761.06, 3859251.99	1.34E-04	2.10E-08	7.33E-09	1.64E-04	2.58E-08	8.97E-09	1.43E-04	2.26E-08	7.86E-09
1892	494811.06, 3859251.99	1.33E-04	2.09E-08	7.29E-09	1.63E-04	2.56E-08	8.93E-09	1.43E-04	2.25E-08	7.83E-09
1893	494861.06, 3859251.99	1.30E-04	2.04E-08	7.12E-09	1.59E-04	2.50E-08	8.72E-09	1.39E-04	2.19E-08	7.64E-09
1894	494911.06, 3859251.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.47E-09
1895	494961.06, 3859251.99	1.25E-04	1.97E-08	6.87E-09	1.53E-04	2.42E-08	8.42E-09	1.34E-04	2.12E-08	7.38E-09
1896	495011.06, 3859251.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.08E-08	7.26E-09
1897	495061.06, 3859251.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.09E-08	7.26E-09
1898	495111.06, 3859251.99	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.37E-08	8.24E-09	1.32E-04	2.07E-08	7.22E-09
1899	495161.06, 3859251.99	1.22E-04	1.92E-08	6.70E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.07E-08	7.20E-09
1900	495211.06, 3859251.99	1.21E-04	1.91E-08	6.66E-09	1.49E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.14E-09
1901	495261.06, 3859251.99	1.21E-04	1.91E-08	6.64E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.13E-09
1902	495311.06, 3859251.99	1.21E-04	1.90E-08	6.63E-09	1.48E-04	2.33E-08	8.13E-09	1.30E-04	2.04E-08	7.12E-09
1903	495361.06, 3859251.99	1.20E-04	1.90E-08	6.60E-09	1.47E-04	2.32E-08	8.09E-09	1.29E-04	2.03E-08	7.09E-09
1904	495411.06, 3859251.99	1.20E-04	1.90E-08	6.61E-09	1.48E-04	2.32E-08	8.10E-09	1.29E-04	2.04E-08	7.10E-09
1905	495461.06, 3859251.99	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.31E-08	8.06E-09	1.29E-04	2.03E-08	7.06E-09
1906	495511.06, 3859251.99	1.18E-04	1.87E-08	6.50E-09	1.45E-04	2.29E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09
1907	495561.06, 3859251.99	1.18E-04	1.85E-08	6.46E-09	1.44E-04	2.27E-08	7.91E-09	1.26E-04	1.99E-08	6.93E-09
1908	495611.06, 3859251.99	1.16E-04	1.84E-08	6.39E-09	1.43E-04	2.25E-08	7.83E-09	1.25E-04	1.97E-08	6.86E-09
1909	495661.06, 3859251.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.81E-09
1910	494311.06, 3859301.99	1.48E-04	2.33E-08	8.12E-09	1.81E-04	2.86E-08	9.95E-09	1.59E-04	2.50E-08	8.72E-09
1911	494361.06, 3859301.99	1.47E-04	2.31E-08	8.05E-09	1.80E-04	2.83E-08	9.86E-09	1.57E-04	2.48E-08	8.64E-09
1912	494411.06, 3859301.99	1.45E-04	2.28E-08	7.96E-09	1.78E-04	2.80E-08	9.75E-09	1.56E-04	2.45E-08	8.54E-09
1913	494461.06, 3859301.99	1.43E-04	2.26E-08	7.86E-09	1.75E-04	2.76E-08	9.63E-09	1.54E-04	2.42E-08	8.44E-09
1914	494511.06, 3859301.99	1.42E-04	2.23E-08	7.78E-09	1.74E-04	2.73E-08	9.53E-09	1.52E-04	2.40E-08	8.35E-09
1915	494561.06, 3859301.99	1.40E-04	2.21E-08	7.71E-09	1.72E-04	2.71E-08	9.44E-09	1.51E-04	2.37E-08	8.27E-09
1916	494611.06, 3859301.99	1.39E-04	2.19E-08	7.63E-09	1.70E-04	2.68E-08	9.34E-09	1.49E-04	2.35E-08	8.19E-09
1917	494661.06, 3859301.99	1.38E-04	2.17E-08	7.55E-09	1.69E-04	2.66E-08	9.25E-09	1.48E-04	2.33E-08	8.11E-09
1918	494711.06, 3859301.99	1.36E-04	2.14E-08	7.46E-09	1.66E-04	2.62E-08	9.14E-09	1.46E-04	2.30E-08	8.01E-09

1919	494761.06, 3859301.99	1.34E-04	2.12E-08	7.38E-09	1.65E-04	2.59E-08	9.03E-09	1.44E-04	2.27E-08	7.92E-09
1920	494811.06, 3859301.99	1.32E-04	2.08E-08	7.25E-09	1.62E-04	2.55E-08	8.89E-09	1.42E-04	2.23E-08	7.79E-09
1921	494861.06, 3859301.99	1.29E-04	2.03E-08	7.08E-09	1.58E-04	2.49E-08	8.68E-09	1.39E-04	2.18E-08	7.60E-09
1922	494911.06, 3859301.99	1.27E-04	2.01E-08	6.99E-09	1.56E-04	2.46E-08	8.57E-09	1.37E-04	2.15E-08	7.51E-09
1923	494961.06, 3859301.99	1.24E-04	1.96E-08	6.82E-09	1.52E-04	2.40E-08	8.35E-09	1.33E-04	2.10E-08	7.32E-09
1924	495011.06, 3859301.99	1.23E-04	1.94E-08	6.75E-09	1.51E-04	2.37E-08	8.27E-09	1.32E-04	2.08E-08	7.25E-09
1925	495061.06, 3859301.99	1.24E-04	1.96E-08	6.83E-09	1.52E-04	2.40E-08	8.36E-09	1.33E-04	2.10E-08	7.33E-09
1926	495111.06, 3859301.99	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.37E-08	8.24E-09	1.32E-04	2.07E-08	7.22E-09
1927	495161.06, 3859301.99	1.22E-04	1.92E-08	6.71E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.07E-08	7.20E-09
1928	495211.06, 3859301.99	1.22E-04	1.93E-08	6.72E-09	1.50E-04	2.36E-08	8.23E-09	1.31E-04	2.07E-08	7.21E-09
1929	495261.06, 3859301.99	1.22E-04	1.93E-08	6.71E-09	1.50E-04	2.36E-08	8.22E-09	1.31E-04	2.07E-08	7.20E-09
1930	495311.06, 3859301.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.13E-09
1931	495361.06, 3859301.99	1.21E-04	1.91E-08	6.64E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.13E-09
1932	495411.06, 3859301.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.29E-04	2.04E-08	7.11E-09
1933	495461.06, 3859301.99	1.20E-04	1.90E-08	6.61E-09	1.47E-04	2.32E-08	8.09E-09	1.29E-04	2.04E-08	7.09E-09
1934	495511.06, 3859301.99	1.19E-04	1.88E-08	6.55E-09	1.46E-04	2.30E-08	8.02E-09	1.28E-04	2.02E-08	7.03E-09
1935	495561.06, 3859301.99	1.18E-04	1.85E-08	6.45E-09	1.44E-04	2.27E-08	7.91E-09	1.26E-04	1.99E-08	6.93E-09
1936	495611.06, 3859301.99	1.17E-04	1.84E-08	6.41E-09	1.43E-04	2.25E-08	7.85E-09	1.25E-04	1.98E-08	6.88E-09
1937	495661.06, 3859301.99	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.80E-09	1.25E-04	1.96E-08	6.84E-09
1938	494311.06, 3859351.99	1.47E-04	2.31E-08	8.05E-09	1.80E-04	2.83E-08	9.87E-09	1.58E-04	2.48E-08	8.65E-09
1939	494361.06, 3859351.99	1.45E-04	2.29E-08	7.98E-09	1.78E-04	2.81E-08	9.78E-09	1.56E-04	2.46E-08	8.57E-09
1940	494411.06, 3859351.99	1.44E-04	2.26E-08	7.89E-09	1.76E-04	2.77E-08	9.66E-09	1.54E-04	2.43E-08	8.47E-09
1941	494461.06, 3859351.99	1.42E-04	2.24E-08	7.80E-09	1.74E-04	2.74E-08	9.56E-09	1.53E-04	2.40E-08	8.38E-09
1942	494511.06, 3859351.99	1.41E-04	2.22E-08	7.73E-09	1.72E-04	2.72E-08	9.46E-09	1.51E-04	2.38E-08	8.29E-09
1943	494561.06, 3859351.99	1.40E-04	2.20E-08	7.66E-09	1.71E-04	2.69E-08	9.39E-09	1.50E-04	2.36E-08	8.23E-09
1944	494611.06, 3859351.99	1.38E-04	2.18E-08	7.59E-09	1.69E-04	2.67E-08	9.30E-09	1.49E-04	2.34E-08	8.15E-09
1945	494661.06, 3859351.99	1.37E-04	2.16E-08	7.52E-09	1.68E-04	2.64E-08	9.21E-09	1.47E-04	2.32E-08	8.07E-09
1946	494711.06, 3859351.99	1.35E-04	2.13E-08	7.43E-09	1.66E-04	2.61E-08	9.10E-09	1.45E-04	2.29E-08	7.97E-09
1947	494761.06, 3859351.99	1.33E-04	2.10E-08	7.31E-09	1.63E-04	2.57E-08	8.95E-09	1.43E-04	2.25E-08	7.84E-09
1948	494811.06, 3859351.99	1.30E-04	2.05E-08	7.14E-09	1.59E-04	2.51E-08	8.74E-09	1.40E-04	2.20E-08	7.66E-09
1949	494861.06, 3859351.99	1.29E-04	2.03E-08	7.06E-09	1.58E-04	2.48E-08	8.65E-09	1.38E-04	2.18E-08	7.58E-09
1950	494911.06, 3859351.99	1.28E-04	2.01E-08	7.02E-09	1.57E-04	2.47E-08	8.60E-09	1.37E-04	2.16E-08	7.53E-09
1951	494961.06, 3859351.99	1.26E-04	1.99E-08	6.94E-09	1.55E-04	2.44E-08	8.50E-09	1.36E-04	2.14E-08	7.45E-09
1952	495011.06, 3859351.99	1.25E-04	1.97E-08	6.88E-09	1.53E-04	2.42E-08	8.42E-09	1.34E-04	2.12E-08	7.38E-09
1953	495061.06, 3859351.99	1.26E-04	1.98E-08	6.90E-09	1.54E-04	2.43E-08	8.46E-09	1.35E-04	2.13E-08	7.41E-09
1954	495111.06, 3859351.99	1.25E-04	1.96E-08	6.84E-09	1.53E-04	2.40E-08	8.38E-09	1.34E-04	2.11E-08	7.34E-09
1955	495161.06, 3859351.99	1.24E-04	1.95E-08	6.81E-09	1.52E-04	2.39E-08	8.34E-09	1.33E-04	2.10E-08	7.30E-09
1956	495211.06, 3859351.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.09E-08	7.26E-09
1957	495261.06, 3859351.99	1.23E-04	1.94E-08	6.75E-09	1.51E-04	2.37E-08	8.27E-09	1.32E-04	2.08E-08	7.25E-09
1958	495311.06, 3859351.99	1.22E-04	1.92E-08	6.70E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.06E-08	7.19E-09
1959	495361.06, 3859351.99	1.21E-04	1.91E-08	6.67E-09	1.49E-04	2.34E-08	8.16E-09	1.30E-04	2.05E-08	7.15E-09
1960	495411.06, 3859351.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.14E-09
1961	495461.06, 3859351.99	1.21E-04	1.91E-08	6.64E-09	1.48E-04	2.33E-08	8.13E-09	1.30E-04	2.05E-08	7.13E-09
1962	495511.06, 3859351.99	1.20E-04	1.88E-08	6.57E-09	1.47E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.05E-09
1963	495561.06, 3859351.99	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.00E-08	6.98E-09
1964	495611.06, 3859351.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.27E-08	7.92E-09	1.26E-04	1.99E-08	6.94E-09
1965	495661.06, 3859351.99	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.83E-09	1.25E-04	1.97E-08	6.86E-09
1966	494311.06, 3859401.99	1.46E-04	2.30E-08	8.00E-09	1.78E-04	2.81E-08	9.79E-09	1.56E-04	2.46E-08	8.58E-09
1967	494361.06, 3859401.99	1.44E-04	2.27E-08	7.91E-09	1.76E-04	2.78E-08	9.69E-09	1.55E-04	2.44E-08	8.49E-09
1968	494411.06, 3859401.99	1.42E-04	2.24E-08	7.82E-09	1.74E-04	2.75E-08	9.57E-09	1.53E-04	2.41E-08	8.39E-09
1969	494461.06, 3859401.99	1.41E-04	2.22E-08	7.74E-09	1.73E-04	2.72E-08	9.48E-09	1.51E-04	2.39E-08	8.31E-09
1970	494511.06, 3859401.99	1.40E-04	2.21E-08	7.69E-09	1.72E-04	2.70E-08	9.42E-09	1.50E-04	2.37E-08	8.25E-09
1971	494561.06, 3859401.99	1.39E-04	2.19E-08	7.63E-09	1.70E-04	2.68E-08	9.34E-09	1.49E-04	2.35E-08	8.19E-09
1972	494611.06, 3859401.99	1.38E-04	2.17E-08	7.55E-09	1.69E-04	2.65E-08	9.25E-09	1.48E-04	2.33E-08	8.11E-09
1973	494661.06, 3859401.99	1.37E-04	2.15E-08	7.49E-09	1.67E-04	2.63E-08	9.18E-09	1.47E-04	2.31E-08	8.04E-09
1974	494711.06, 3859401.99	1.35E-04	2.13E-08	7.43E-09	1.66E-04	2.61E-08	9.10E-09	1.45E-04	2.29E-08	7.97E-09
1975	494761.06, 3859401.99	1.33E-04	2.10E-08	7.31E-09	1.63E-04	2.57E-08	8.95E-09	1.43E-04	2.25E-08	7.84E-09
1976	494811.06, 3859401.99	1.31E-04	2.07E-08	7.21E-09	1.61E-04	2.53E-08	8.83E-09	1.41E-04	2.22E-08	7.74E-09
1977	494861.06, 3859401.99	1.29E-04	2.03E-08	7.08E-09	1.58E-04	2.49E-08	8.68E-09	1.39E-04	2.18E-08	7.60E-09
1978	494911.06, 3859401.99	1.28E-04	2.01E-08	7.01E-09	1.56E-04	2.46E-08	8.58E-09	1.37E-04	2.16E-08	7.52E-09
1979	494961.06, 3859401.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.47E-09
1980	495011.06, 3859401.99	1.26E-04	1.99E-08	6.93E-09	1.55E-04	2.44E-08	8.48E-09	1.35E-04	2.13E-08	7.43E-09

1981	495061.06, 3859401.99	1.26E-04	1.98E-08	6.91E-09	1.54E-04	2.43E-08	8.46E-09	1.35E-04	2.13E-08	7.41E-09
1982	495111.06, 3859401.99	1.25E-04	1.96E-08	6.84E-09	1.53E-04	2.40E-08	8.38E-09	1.34E-04	2.11E-08	7.34E-09
1983	495161.06, 3859401.99	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.40E-08	8.35E-09	1.33E-04	2.10E-08	7.31E-09
1984	495211.06, 3859401.99	1.24E-04	1.95E-08	6.80E-09	1.52E-04	2.39E-08	8.33E-09	1.33E-04	2.10E-08	7.30E-09
1985	495261.06, 3859401.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.08E-08	7.26E-09
1986	495311.06, 3859401.99	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.37E-08	8.24E-09	1.32E-04	2.07E-08	7.22E-09
1987	495361.06, 3859401.99	1.22E-04	1.93E-08	6.72E-09	1.50E-04	2.36E-08	8.23E-09	1.31E-04	2.07E-08	7.21E-09
1988	495411.06, 3859401.99	1.22E-04	1.92E-08	6.69E-09	1.49E-04	2.35E-08	8.20E-09	1.31E-04	2.06E-08	7.19E-09
1989	495461.06, 3859401.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.13E-09
1990	495511.06, 3859401.99	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.31E-08	8.06E-09	1.29E-04	2.03E-08	7.06E-09
1991	495561.06, 3859401.99	1.18E-04	1.86E-08	6.50E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.97E-09
1992	495611.06, 3859401.99	1.18E-04	1.85E-08	6.45E-09	1.44E-04	2.27E-08	7.90E-09	1.26E-04	1.99E-08	6.92E-09
1993	495661.06, 3859401.99	1.17E-04	1.84E-08	6.41E-09	1.43E-04	2.25E-08	7.85E-09	1.25E-04	1.97E-08	6.88E-09
1994	494311.06, 3859451.99	1.44E-04	2.27E-08	7.90E-09	1.76E-04	2.78E-08	9.68E-09	1.55E-04	2.43E-08	8.48E-09
1995	494361.06, 3859451.99	1.43E-04	2.25E-08	7.83E-09	1.75E-04	2.75E-08	9.59E-09	1.53E-04	2.41E-08	8.40E-09
1996	494411.06, 3859451.99	1.41E-04	2.22E-08	7.72E-09	1.72E-04	2.71E-08	9.46E-09	1.51E-04	2.38E-08	8.29E-09
1997	494461.06, 3859451.99	1.40E-04	2.20E-08	7.68E-09	1.71E-04	2.70E-08	9.40E-09	1.50E-04	2.37E-08	8.24E-09
1998	494511.06, 3859451.99	1.39E-04	2.18E-08	7.61E-09	1.70E-04	2.67E-08	9.32E-09	1.49E-04	2.34E-08	8.17E-09
1999	494561.06, 3859451.99	1.38E-04	2.17E-08	7.55E-09	1.69E-04	2.65E-08	9.25E-09	1.48E-04	2.33E-08	8.11E-09
2000	494611.06, 3859451.99	1.37E-04	2.16E-08	7.51E-09	1.68E-04	2.64E-08	9.20E-09	1.47E-04	2.31E-08	8.06E-09
2001	494661.06, 3859451.99	1.36E-04	2.14E-08	7.44E-09	1.66E-04	2.62E-08	9.11E-09	1.45E-04	2.29E-08	7.98E-09
2002	494711.06, 3859451.99	1.34E-04	2.11E-08	7.36E-09	1.64E-04	2.59E-08	9.02E-09	1.44E-04	2.27E-08	7.90E-09
2003	494761.06, 3859451.99	1.33E-04	2.09E-08	7.30E-09	1.63E-04	2.57E-08	8.94E-09	1.43E-04	2.25E-08	7.83E-09
2004	494811.06, 3859451.99	1.31E-04	2.07E-08	7.20E-09	1.61E-04	2.53E-08	8.82E-09	1.41E-04	2.22E-08	7.73E-09
2005	494861.06, 3859451.99	1.30E-04	2.04E-08	7.12E-09	1.59E-04	2.50E-08	8.72E-09	1.39E-04	2.19E-08	7.64E-09
2006	494911.06, 3859451.99	1.29E-04	2.02E-08	7.05E-09	1.57E-04	2.48E-08	8.64E-09	1.38E-04	2.17E-08	7.57E-09
2007	494961.06, 3859451.99	1.28E-04	2.01E-08	7.01E-09	1.57E-04	2.47E-08	8.59E-09	1.37E-04	2.16E-08	7.53E-09
2008	495011.06, 3859451.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.53E-09	1.36E-04	2.15E-08	7.47E-09
2009	495061.06, 3859451.99	1.26E-04	1.98E-08	6.91E-09	1.54E-04	2.43E-08	8.47E-09	1.35E-04	2.13E-08	7.42E-09
2010	495111.06, 3859451.99	1.25E-04	1.97E-08	6.86E-09	1.53E-04	2.41E-08	8.41E-09	1.34E-04	2.11E-08	7.37E-09
2011	495161.06, 3859451.99	1.25E-04	1.96E-08	6.84E-09	1.53E-04	2.40E-08	8.37E-09	1.34E-04	2.11E-08	7.34E-09
2012	495211.06, 3859451.99	1.24E-04	1.96E-08	6.82E-09	1.52E-04	2.40E-08	8.35E-09	1.33E-04	2.10E-08	7.32E-09
2013	495261.06, 3859451.99	1.24E-04	1.95E-08	6.80E-09	1.52E-04	2.39E-08	8.33E-09	1.33E-04	2.09E-08	7.30E-09
2014	495311.06, 3859451.99	1.23E-04	1.94E-08	6.76E-09	1.51E-04	2.38E-08	8.28E-09	1.32E-04	2.08E-08	7.25E-09
2015	495361.06, 3859451.99	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.36E-08	8.24E-09	1.32E-04	2.07E-08	7.22E-09
2016	495411.06, 3859451.99	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.19E-09	1.31E-04	2.06E-08	7.17E-09
2017	495461.06, 3859451.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.14E-09
2018	495511.06, 3859451.99	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.05E-09	1.29E-04	2.03E-08	7.06E-09
2019	495561.06, 3859451.99	1.19E-04	1.87E-08	6.52E-09	1.46E-04	2.29E-08	7.99E-09	1.28E-04	2.01E-08	7.00E-09
2020	495611.06, 3859451.99	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.93E-09	1.27E-04	2.00E-08	6.95E-09
2021	495661.06, 3859451.99	1.17E-04	1.85E-08	6.43E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.90E-09
2022	494311.06, 3859501.99	1.42E-04	2.24E-08	7.82E-09	1.74E-04	2.75E-08	9.57E-09	1.53E-04	2.41E-08	8.39E-09
2023	494361.06, 3859501.99	1.41E-04	2.22E-08	7.75E-09	1.73E-04	2.72E-08	9.49E-09	1.51E-04	2.39E-08	8.31E-09
2024	494411.06, 3859501.99	1.39E-04	2.19E-08	7.63E-09	1.70E-04	2.68E-08	9.34E-09	1.49E-04	2.35E-08	8.19E-09
2025	494461.06, 3859501.99	1.39E-04	2.19E-08	7.61E-09	1.70E-04	2.68E-08	9.32E-09	1.49E-04	2.35E-08	8.17E-09
2026	494511.06, 3859501.99	1.37E-04	2.16E-08	7.54E-09	1.68E-04	2.65E-08	9.24E-09	1.47E-04	2.32E-08	8.10E-09
2027	494561.06, 3859501.99	1.36E-04	2.15E-08	7.48E-09	1.67E-04	2.63E-08	9.16E-09	1.46E-04	2.30E-08	8.03E-09
2028	494611.06, 3859501.99	1.36E-04	2.14E-08	7.47E-09	1.67E-04	2.63E-08	9.15E-09	1.46E-04	2.30E-08	8.02E-09
2029	494661.06, 3859501.99	1.35E-04	2.12E-08	7.39E-09	1.65E-04	2.60E-08	9.05E-09	1.45E-04	2.28E-08	7.93E-09
2030	494711.06, 3859501.99	1.33E-04	2.09E-08	7.30E-09	1.63E-04	2.56E-08	8.94E-09	1.43E-04	2.25E-08	7.83E-09
2031	494761.06, 3859501.99	1.32E-04	2.09E-08	7.27E-09	1.62E-04	2.56E-08	8.90E-09	1.42E-04	2.24E-08	7.80E-09
2032	494811.06, 3859501.99	1.30E-04	2.05E-08	7.15E-09	1.60E-04	2.51E-08	8.76E-09	1.40E-04	2.20E-08	7.67E-09
2033	494861.06, 3859501.99	1.29E-04	2.04E-08	7.09E-09	1.58E-04	2.49E-08	8.69E-09	1.39E-04	2.19E-08	7.61E-09
2034	494911.06, 3859501.99	1.29E-04	2.03E-08	7.06E-09	1.58E-04	2.48E-08	8.64E-09	1.38E-04	2.17E-08	7.58E-09
2035	494961.06, 3859501.99	1.27E-04	2.01E-08	6.99E-09	1.56E-04	2.46E-08	8.56E-09	1.37E-04	2.15E-08	7.50E-09
2036	495011.06, 3859501.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.47E-09
2037	495061.06, 3859501.99	1.26E-04	1.99E-08	6.92E-09	1.55E-04	2.43E-08	8.48E-09	1.35E-04	2.13E-08	7.43E-09
2038	495111.06, 3859501.99	1.25E-04	1.97E-08	6.86E-09	1.53E-04	2.41E-08	8.40E-09	1.34E-04	2.11E-08	7.36E-09
2039	495161.06, 3859501.99	1.24E-04	1.96E-08	6.83E-09	1.52E-04	2.40E-08	8.36E-09	1.34E-04	2.10E-08	7.33E-09
2040	495211.06, 3859501.99	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.40E-08	8.35E-09	1.33E-04	2.10E-08	7.31E-09
2041	495261.06, 3859501.99	1.24E-04	1.95E-08	6.78E-09	1.51E-04	2.38E-08	8.31E-09	1.33E-04	2.09E-08	7.28E-09
2042	495311.06, 3859501.99	1.23E-04	1.94E-08	6.76E-09	1.51E-04	2.38E-08	8.28E-09	1.32E-04	2.08E-08	7.25E-09

2043	495361.06, 3859501.99	1.22E-04	1.93E-08	6.72E-09	1.50E-04	2.36E-08	8.23E-09	1.31E-04	2.07E-08	7.22E-09
2044	495411.06, 3859501.99	1.22E-04	1.92E-08	6.69E-09	1.49E-04	2.35E-08	8.19E-09	1.31E-04	2.06E-08	7.18E-09
2045	495461.06, 3859501.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.14E-09
2046	495511.06, 3859501.99	1.20E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.04E-09
2047	495561.06, 3859501.99	1.19E-04	1.88E-08	6.54E-09	1.46E-04	2.30E-08	8.01E-09	1.28E-04	2.01E-08	7.02E-09
2048	495611.06, 3859501.99	1.18E-04	1.86E-08	6.49E-09	1.45E-04	2.28E-08	7.95E-09	1.27E-04	2.00E-08	6.97E-09
2049	495661.06, 3859501.99	1.17E-04	1.85E-08	6.43E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.91E-09
2050	494311.06, 3859551.99	1.41E-04	2.22E-08	7.72E-09	1.72E-04	2.72E-08	9.46E-09	1.51E-04	2.38E-08	8.29E-09
2051	494361.06, 3859551.99	1.39E-04	2.19E-08	7.65E-09	1.71E-04	2.69E-08	9.37E-09	1.50E-04	2.36E-08	8.21E-09
2052	494411.06, 3859551.99	1.37E-04	2.16E-08	7.54E-09	1.68E-04	2.65E-08	9.23E-09	1.47E-04	2.32E-08	8.09E-09
2053	494461.06, 3859551.99	1.37E-04	2.16E-08	7.53E-09	1.68E-04	2.65E-08	9.23E-09	1.47E-04	2.32E-08	8.09E-09
2054	494511.06, 3859551.99	1.36E-04	2.14E-08	7.47E-09	1.67E-04	2.63E-08	9.15E-09	1.46E-04	2.30E-08	8.02E-09
2055	494561.06, 3859551.99	1.35E-04	2.13E-08	7.41E-09	1.65E-04	2.61E-08	9.08E-09	1.45E-04	2.28E-08	7.96E-09
2056	494611.06, 3859551.99	1.34E-04	2.12E-08	7.38E-09	1.65E-04	2.59E-08	9.04E-09	1.44E-04	2.27E-08	7.92E-09
2057	494661.06, 3859551.99	1.34E-04	2.10E-08	7.33E-09	1.64E-04	2.58E-08	8.98E-09	1.43E-04	2.26E-08	7.87E-09
2058	494711.06, 3859551.99	1.31E-04	2.07E-08	7.20E-09	1.61E-04	2.53E-08	8.82E-09	1.41E-04	2.22E-08	7.73E-09
2059	494761.06, 3859551.99	1.31E-04	2.07E-08	7.22E-09	1.61E-04	2.54E-08	8.84E-09	1.41E-04	2.22E-08	7.75E-09
2060	494811.06, 3859551.99	1.30E-04	2.04E-08	7.12E-09	1.59E-04	2.50E-08	8.72E-09	1.39E-04	2.19E-08	7.64E-09
2061	494861.06, 3859551.99	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.66E-09	1.38E-04	2.18E-08	7.59E-09
2062	494911.06, 3859551.99	1.28E-04	2.01E-08	7.01E-09	1.56E-04	2.47E-08	8.59E-09	1.37E-04	2.16E-08	7.53E-09
2063	494961.06, 3859551.99	1.27E-04	2.00E-08	6.98E-09	1.56E-04	2.45E-08	8.55E-09	1.36E-04	2.15E-08	7.49E-09
2064	495011.06, 3859551.99	1.27E-04	2.00E-08	6.95E-09	1.55E-04	2.44E-08	8.52E-09	1.36E-04	2.14E-08	7.46E-09
2065	495061.06, 3859551.99	1.26E-04	1.98E-08	6.91E-09	1.54E-04	2.43E-08	8.46E-09	1.35E-04	2.13E-08	7.42E-09
2066	495111.06, 3859551.99	1.25E-04	1.97E-08	6.85E-09	1.53E-04	2.41E-08	8.39E-09	1.34E-04	2.11E-08	7.35E-09
2067	495161.06, 3859551.99	1.24E-04	1.96E-08	6.83E-09	1.52E-04	2.40E-08	8.36E-09	1.34E-04	2.10E-08	7.33E-09
2068	495211.06, 3859551.99	1.24E-04	1.95E-08	6.81E-09	1.52E-04	2.39E-08	8.34E-09	1.33E-04	2.10E-08	7.31E-09
2069	495261.06, 3859551.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.08E-08	7.26E-09
2070	495311.06, 3859551.99	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.37E-08	8.24E-09	1.32E-04	2.07E-08	7.22E-09
2071	495361.06, 3859551.99	1.22E-04	1.92E-08	6.70E-09	1.49E-04	2.36E-08	8.20E-09	1.31E-04	2.06E-08	7.19E-09
2072	495411.06, 3859551.99	1.22E-04	1.92E-08	6.67E-09	1.49E-04	2.35E-08	8.18E-09	1.31E-04	2.06E-08	7.16E-09
2073	495461.06, 3859551.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.10E-09	1.29E-04	2.04E-08	7.10E-09
2074	495511.06, 3859551.99	1.19E-04	1.88E-08	6.56E-09	1.46E-04	2.30E-08	8.03E-09	1.28E-04	2.02E-08	7.04E-09
2075	495561.06, 3859551.99	1.19E-04	1.87E-08	6.52E-09	1.45E-04	2.29E-08	7.98E-09	1.27E-04	2.01E-08	7.00E-09
2076	495611.06, 3859551.99	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.93E-09	1.27E-04	2.00E-08	6.95E-09
2077	495661.06, 3859551.99	1.17E-04	1.85E-08	6.43E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.90E-09
2078	494311.06, 3859601.99	1.39E-04	2.19E-08	7.63E-09	1.70E-04	2.68E-08	9.35E-09	1.49E-04	2.35E-08	8.20E-09
2079	494361.06, 3859601.99	1.37E-04	2.16E-08	7.53E-09	1.68E-04	2.65E-08	9.22E-09	1.47E-04	2.32E-08	8.08E-09
2080	494411.06, 3859601.99	1.36E-04	2.14E-08	7.46E-09	1.66E-04	2.62E-08	9.14E-09	1.46E-04	2.30E-08	8.01E-09
2081	494461.06, 3859601.99	1.36E-04	2.14E-08	7.45E-09	1.66E-04	2.62E-08	9.13E-09	1.46E-04	2.30E-08	8.00E-09
2082	494511.06, 3859601.99	1.34E-04	2.12E-08	7.37E-09	1.65E-04	2.59E-08	9.03E-09	1.44E-04	2.27E-08	7.91E-09
2083	494561.06, 3859601.99	1.34E-04	2.11E-08	7.35E-09	1.64E-04	2.59E-08	9.01E-09	1.44E-04	2.27E-08	7.89E-09
2084	494611.06, 3859601.99	1.33E-04	2.10E-08	7.32E-09	1.63E-04	2.57E-08	8.97E-09	1.43E-04	2.26E-08	7.86E-09
2085	494661.06, 3859601.99	1.32E-04	2.08E-08	7.24E-09	1.61E-04	2.54E-08	8.86E-09	1.42E-04	2.23E-08	7.77E-09
2086	494711.06, 3859601.99	1.30E-04	2.05E-08	7.15E-09	1.60E-04	2.51E-08	8.76E-09	1.40E-04	2.20E-08	7.68E-09
2087	494761.06, 3859601.99	1.31E-04	2.06E-08	7.18E-09	1.60E-04	2.52E-08	8.79E-09	1.40E-04	2.21E-08	7.70E-09
2088	494811.06, 3859601.99	1.29E-04	2.03E-08	7.09E-09	1.58E-04	2.49E-08	8.68E-09	1.39E-04	2.18E-08	7.61E-09
2089	494861.06, 3859601.99	1.28E-04	2.02E-08	7.04E-09	1.57E-04	2.48E-08	8.63E-09	1.38E-04	2.17E-08	7.56E-09
2090	494911.06, 3859601.99	1.27E-04	2.00E-08	6.97E-09	1.56E-04	2.45E-08	8.54E-09	1.36E-04	2.15E-08	7.48E-09
2091	494961.06, 3859601.99	1.27E-04	2.00E-08	6.97E-09	1.56E-04	2.45E-08	8.54E-09	1.36E-04	2.15E-08	7.48E-09
2092	495011.06, 3859601.99	1.26E-04	1.98E-08	6.90E-09	1.54E-04	2.42E-08	8.45E-09	1.35E-04	2.12E-08	7.40E-09
2093	495061.06, 3859601.99	1.25E-04	1.97E-08	6.88E-09	1.54E-04	2.42E-08	8.43E-09	1.35E-04	2.12E-08	7.39E-09
2094	495111.06, 3859601.99	1.24E-04	1.96E-08	6.82E-09	1.52E-04	2.40E-08	8.36E-09	1.33E-04	2.10E-08	7.32E-09
2095	495161.06, 3859601.99	1.24E-04	1.95E-08	6.80E-09	1.52E-04	2.39E-08	8.33E-09	1.33E-04	2.10E-08	7.30E-09
2096	495211.06, 3859601.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.09E-08	7.26E-09
2097	495261.06, 3859601.99	1.23E-04	1.93E-08	6.74E-09	1.50E-04	2.37E-08	8.25E-09	1.32E-04	2.08E-08	7.23E-09
2098	495311.06, 3859601.99	1.22E-04	1.93E-08	6.71E-09	1.50E-04	2.36E-08	8.22E-09	1.31E-04	2.07E-08	7.21E-09
2099	495361.06, 3859601.99	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.18E-09	1.31E-04	2.06E-08	7.17E-09
2100	495411.06, 3859601.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.14E-09
2101	495461.06, 3859601.99	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.32E-08	8.07E-09	1.29E-04	2.03E-08	7.07E-09
2102	495511.06, 3859601.99	1.19E-04	1.87E-08	6.52E-09	1.46E-04	2.29E-08	7.99E-09	1.28E-04	2.01E-08	7.00E-09
2103	495561.06, 3859601.99	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.01E-08	6.99E-09
2104	495611.06, 3859601.99	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.26E-08	7.89E-09	1.26E-04	1.98E-08	6.91E-09

2105	495661.06, 3859601.99	1.17E-04	1.84E-08	6.41E-09	1.43E-04	2.25E-08	7.85E-09	1.25E-04	1.98E-08	6.88E-09
2106	494311.06, 3859651.99	1.37E-04	2.16E-08	7.52E-09	1.68E-04	2.64E-08	9.21E-09	1.47E-04	2.32E-08	8.07E-09
2107	494361.06, 3859651.99	1.35E-04	2.13E-08	7.43E-09	1.66E-04	2.61E-08	9.10E-09	1.45E-04	2.29E-08	7.98E-09
2108	494411.06, 3859651.99	1.35E-04	2.12E-08	7.38E-09	1.65E-04	2.60E-08	9.04E-09	1.44E-04	2.28E-08	7.93E-09
2109	494461.06, 3859651.99	1.34E-04	2.12E-08	7.37E-09	1.64E-04	2.59E-08	9.03E-09	1.44E-04	2.27E-08	7.91E-09
2110	494511.06, 3859651.99	1.33E-04	2.10E-08	7.32E-09	1.63E-04	2.57E-08	8.97E-09	1.43E-04	2.26E-08	7.86E-09
2111	494561.06, 3859651.99	1.33E-04	2.09E-08	7.28E-09	1.63E-04	2.56E-08	8.92E-09	1.42E-04	2.24E-08	7.82E-09
2112	494611.06, 3859651.99	1.32E-04	2.08E-08	7.25E-09	1.62E-04	2.55E-08	8.88E-09	1.42E-04	2.23E-08	7.78E-09
2113	494661.06, 3859651.99	1.30E-04	2.05E-08	7.16E-09	1.60E-04	2.52E-08	8.77E-09	1.40E-04	2.20E-08	7.68E-09
2114	494711.06, 3859651.99	1.30E-04	2.04E-08	7.12E-09	1.59E-04	2.50E-08	8.72E-09	1.39E-04	2.19E-08	7.64E-09
2115	494761.06, 3859651.99	1.29E-04	2.04E-08	7.09E-09	1.58E-04	2.49E-08	8.69E-09	1.39E-04	2.19E-08	7.62E-09
2116	494811.06, 3859651.99	1.28E-04	2.02E-08	7.03E-09	1.57E-04	2.47E-08	8.62E-09	1.38E-04	2.17E-08	7.55E-09
2117	494861.06, 3859651.99	1.28E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.57E-09	1.37E-04	2.16E-08	7.52E-09
2118	494911.06, 3859651.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.47E-09
2119	494961.06, 3859651.99	1.26E-04	1.99E-08	6.92E-09	1.54E-04	2.43E-08	8.47E-09	1.35E-04	2.13E-08	7.43E-09
2120	495011.06, 3859651.99	1.25E-04	1.97E-08	6.88E-09	1.53E-04	2.42E-08	8.42E-09	1.34E-04	2.12E-08	7.38E-09
2121	495061.06, 3859651.99	1.25E-04	1.97E-08	6.85E-09	1.53E-04	2.41E-08	8.39E-09	1.34E-04	2.11E-08	7.35E-09
2122	495111.06, 3859651.99	1.24E-04	1.95E-08	6.80E-09	1.52E-04	2.39E-08	8.33E-09	1.33E-04	2.10E-08	7.30E-09
2123	495161.06, 3859651.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.09E-08	7.26E-09
2124	495211.06, 3859651.99	1.23E-04	1.93E-08	6.74E-09	1.50E-04	2.37E-08	8.25E-09	1.32E-04	2.08E-08	7.23E-09
2125	495261.06, 3859651.99	1.22E-04	1.92E-08	6.70E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.07E-08	7.20E-09
2126	495311.06, 3859651.99	1.22E-04	1.92E-08	6.67E-09	1.49E-04	2.35E-08	8.17E-09	1.30E-04	2.06E-08	7.16E-09
2127	495361.06, 3859651.99	1.21E-04	1.91E-08	6.64E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.13E-09
2128	495411.06, 3859651.99	1.20E-04	1.90E-08	6.61E-09	1.47E-04	2.32E-08	8.09E-09	1.29E-04	2.04E-08	7.09E-09
2129	495461.06, 3859651.99	1.19E-04	1.88E-08	6.55E-09	1.46E-04	2.30E-08	8.02E-09	1.28E-04	2.02E-08	7.03E-09
2130	495511.06, 3859651.99	1.18E-04	1.86E-08	6.50E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.97E-09
2131	495561.06, 3859651.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.27E-08	7.92E-09	1.27E-04	1.99E-08	6.94E-09
2132	495611.06, 3859651.99	1.17E-04	1.85E-08	6.43E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.90E-09
2133	495661.06, 3859651.99	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.82E-09	1.25E-04	1.97E-08	6.85E-09
2134	494311.06, 3859701.99	1.34E-04	2.11E-08	7.37E-09	1.64E-04	2.59E-08	9.02E-09	1.44E-04	2.27E-08	7.91E-09
2135	494361.06, 3859701.99	1.33E-04	2.10E-08	7.32E-09	1.63E-04	2.57E-08	8.96E-09	1.43E-04	2.25E-08	7.86E-09
2136	494411.06, 3859701.99	1.33E-04	2.09E-08	7.29E-09	1.63E-04	2.56E-08	8.92E-09	1.43E-04	2.25E-08	7.82E-09
2137	494461.06, 3859701.99	1.33E-04	2.09E-08	7.28E-09	1.62E-04	2.56E-08	8.92E-09	1.42E-04	2.24E-08	7.81E-09
2138	494511.06, 3859701.99	1.32E-04	2.08E-08	7.24E-09	1.62E-04	2.54E-08	8.87E-09	1.42E-04	2.23E-08	7.77E-09
2139	494561.06, 3859701.99	1.31E-04	2.07E-08	7.21E-09	1.61E-04	2.53E-08	8.83E-09	1.41E-04	2.22E-08	7.74E-09
2140	494611.06, 3859701.99	1.31E-04	2.06E-08	7.17E-09	1.60E-04	2.52E-08	8.78E-09	1.40E-04	2.21E-08	7.70E-09
2141	494661.06, 3859701.99	1.29E-04	2.03E-08	7.08E-09	1.58E-04	2.49E-08	8.68E-09	1.39E-04	2.18E-08	7.60E-09
2142	494711.06, 3859701.99	1.29E-04	2.03E-08	7.06E-09	1.58E-04	2.48E-08	8.65E-09	1.38E-04	2.18E-08	7.58E-09
2143	494761.06, 3859701.99	1.28E-04	2.01E-08	7.01E-09	1.57E-04	2.47E-08	8.59E-09	1.37E-04	2.16E-08	7.53E-09
2144	494811.06, 3859701.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.53E-09	1.36E-04	2.15E-08	7.47E-09
2145	494861.06, 3859701.99	1.27E-04	1.99E-08	6.95E-09	1.55E-04	2.44E-08	8.51E-09	1.36E-04	2.14E-08	7.46E-09
2146	494911.06, 3859701.99	1.26E-04	1.98E-08	6.90E-09	1.54E-04	2.43E-08	8.45E-09	1.35E-04	2.13E-08	7.41E-09
2147	494961.06, 3859701.99	1.25E-04	1.97E-08	6.86E-09	1.53E-04	2.41E-08	8.40E-09	1.34E-04	2.11E-08	7.36E-09
2148	495011.06, 3859701.99	1.24E-04	1.96E-08	6.83E-09	1.52E-04	2.40E-08	8.37E-09	1.34E-04	2.11E-08	7.33E-09
2149	495061.06, 3859701.99	1.24E-04	1.95E-08	6.80E-09	1.52E-04	2.39E-08	8.32E-09	1.33E-04	2.09E-08	7.30E-09
2150	495111.06, 3859701.99	1.23E-04	1.94E-08	6.76E-09	1.51E-04	2.38E-08	8.28E-09	1.32E-04	2.08E-08	7.26E-09
2151	495161.06, 3859701.99	1.22E-04	1.93E-08	6.72E-09	1.50E-04	2.36E-08	8.23E-09	1.31E-04	2.07E-08	7.21E-09
2152	495211.06, 3859701.99	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.18E-09	1.31E-04	2.06E-08	7.17E-09
2153	495261.06, 3859701.99	1.21E-04	1.91E-08	6.66E-09	1.49E-04	2.34E-08	8.16E-09	1.30E-04	2.05E-08	7.15E-09
2154	495311.06, 3859701.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.30E-04	2.04E-08	7.11E-09
2155	495361.06, 3859701.99	1.20E-04	1.89E-08	6.59E-09	1.47E-04	2.32E-08	8.07E-09	1.29E-04	2.03E-08	7.07E-09
2156	495411.06, 3859701.99	1.19E-04	1.88E-08	6.54E-09	1.46E-04	2.30E-08	8.01E-09	1.28E-04	2.01E-08	7.02E-09
2157	495461.06, 3859701.99	1.18E-04	1.87E-08	6.50E-09	1.45E-04	2.29E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09
2158	495511.06, 3859701.99	1.17E-04	1.85E-08	6.43E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.91E-09
2159	495561.06, 3859701.99	1.17E-04	1.84E-08	6.43E-09	1.43E-04	2.26E-08	7.87E-09	1.26E-04	1.98E-08	6.90E-09
2160	495611.06, 3859701.99	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.83E-09	1.25E-04	1.97E-08	6.86E-09
2161	495661.06, 3859701.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.82E-09
2162	494311.06, 3859751.99	1.33E-04	2.09E-08	7.28E-09	1.62E-04	2.56E-08	8.91E-09	1.42E-04	2.24E-08	7.81E-09
2163	494361.06, 3859751.99	1.32E-04	2.08E-08	7.24E-09	1.62E-04	2.54E-08	8.87E-09	1.42E-04	2.23E-08	7.77E-09
2164	494411.06, 3859751.99	1.31E-04	2.06E-08	7.19E-09	1.61E-04	2.53E-08	8.81E-09	1.41E-04	2.22E-08	7.72E-09
2165	494461.06, 3859751.99	1.31E-04	2.06E-08	7.18E-09	1.60E-04	2.52E-08	8.79E-09	1.40E-04	2.21E-08	7.71E-09
2166	494511.06, 3859751.99	1.30E-04	2.05E-08	7.15E-09	1.60E-04	2.52E-08	8.76E-09	1.40E-04	2.20E-08	7.68E-09

2167	494561.06, 3859751.99	1.30E-04	2.04E-08	7.12E-09	1.59E-04	2.50E-08	8.72E-09	1.39E-04	2.19E-08	7.64E-09
2168	494611.06, 3859751.99	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.66E-09	1.38E-04	2.18E-08	7.59E-09
2169	494661.06, 3859751.99	1.28E-04	2.01E-08	7.01E-09	1.56E-04	2.46E-08	8.59E-09	1.37E-04	2.16E-08	7.53E-09
2170	494711.06, 3859751.99	1.27E-04	2.01E-08	6.99E-09	1.56E-04	2.46E-08	8.56E-09	1.37E-04	2.15E-08	7.50E-09
2171	494761.06, 3859751.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.47E-09
2172	494811.06, 3859751.99	1.26E-04	1.99E-08	6.92E-09	1.54E-04	2.43E-08	8.47E-09	1.35E-04	2.13E-08	7.42E-09
2173	494861.06, 3859751.99	1.25E-04	1.98E-08	6.88E-09	1.54E-04	2.42E-08	8.43E-09	1.35E-04	2.12E-08	7.39E-09
2174	494911.06, 3859751.99	1.25E-04	1.97E-08	6.85E-09	1.53E-04	2.41E-08	8.39E-09	1.34E-04	2.11E-08	7.35E-09
2175	494961.06, 3859751.99	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.40E-08	8.34E-09	1.33E-04	2.10E-08	7.31E-09
2176	495011.06, 3859751.99	1.23E-04	1.94E-08	6.78E-09	1.51E-04	2.38E-08	8.30E-09	1.33E-04	2.09E-08	7.27E-09
2177	495061.06, 3859751.99	1.23E-04	1.94E-08	6.75E-09	1.51E-04	2.37E-08	8.26E-09	1.32E-04	2.08E-08	7.24E-09
2178	495111.06, 3859751.99	1.22E-04	1.93E-08	6.71E-09	1.50E-04	2.36E-08	8.22E-09	1.31E-04	2.07E-08	7.20E-09
2179	495161.06, 3859751.99	1.22E-04	1.92E-08	6.67E-09	1.49E-04	2.35E-08	8.17E-09	1.31E-04	2.06E-08	7.16E-09
2180	495211.06, 3859751.99	1.21E-04	1.90E-08	6.63E-09	1.48E-04	2.33E-08	8.12E-09	1.30E-04	2.04E-08	7.12E-09
2181	495261.06, 3859751.99	1.20E-04	1.90E-08	6.60E-09	1.47E-04	2.32E-08	8.09E-09	1.29E-04	2.03E-08	7.09E-09
2182	495311.06, 3859751.99	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.05E-09
2183	495361.06, 3859751.99	1.19E-04	1.88E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
2184	495411.06, 3859751.99	1.18E-04	1.87E-08	6.50E-09	1.45E-04	2.29E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09
2185	495461.06, 3859751.99	1.18E-04	1.85E-08	6.45E-09	1.44E-04	2.27E-08	7.91E-09	1.26E-04	1.99E-08	6.93E-09
2186	495511.06, 3859751.99	1.17E-04	1.84E-08	6.41E-09	1.43E-04	2.25E-08	7.85E-09	1.25E-04	1.97E-08	6.88E-09
2187	495561.06, 3859751.99	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.81E-09	1.25E-04	1.96E-08	6.84E-09
2188	495611.06, 3859751.99	1.16E-04	1.82E-08	6.34E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.95E-08	6.81E-09
2189	495661.06, 3859751.99	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.73E-09	1.24E-04	1.95E-08	6.78E-09
2190	494311.06, 3859801.99	1.31E-04	2.06E-08	7.18E-09	1.60E-04	2.52E-08	8.80E-09	1.40E-04	2.21E-08	7.71E-09
2191	494361.06, 3859801.99	1.30E-04	2.05E-08	7.14E-09	1.59E-04	2.51E-08	8.74E-09	1.40E-04	2.20E-08	7.66E-09
2192	494411.06, 3859801.99	1.29E-04	2.04E-08	7.09E-09	1.58E-04	2.49E-08	8.69E-09	1.39E-04	2.19E-08	7.61E-09
2193	494461.06, 3859801.99	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.66E-09	1.38E-04	2.18E-08	7.59E-09
2194	494511.06, 3859801.99	1.29E-04	2.02E-08	7.05E-09	1.57E-04	2.48E-08	8.64E-09	1.38E-04	2.17E-08	7.57E-09
2195	494561.06, 3859801.99	1.28E-04	2.02E-08	7.02E-09	1.57E-04	2.47E-08	8.60E-09	1.37E-04	2.16E-08	7.54E-09
2196	494611.06, 3859801.99	1.27E-04	2.00E-08	6.97E-09	1.56E-04	2.45E-08	8.54E-09	1.36E-04	2.15E-08	7.48E-09
2197	494661.06, 3859801.99	1.26E-04	1.99E-08	6.93E-09	1.55E-04	2.44E-08	8.49E-09	1.36E-04	2.14E-08	7.44E-09
2198	494711.06, 3859801.99	1.26E-04	1.98E-08	6.89E-09	1.54E-04	2.42E-08	8.44E-09	1.35E-04	2.12E-08	7.40E-09
2199	494761.06, 3859801.99	1.25E-04	1.97E-08	6.88E-09	1.53E-04	2.42E-08	8.42E-09	1.34E-04	2.12E-08	7.38E-09
2200	494811.06, 3859801.99	1.25E-04	1.96E-08	6.84E-09	1.53E-04	2.40E-08	8.38E-09	1.34E-04	2.11E-08	7.34E-09
2201	494861.06, 3859801.99	1.24E-04	1.95E-08	6.81E-09	1.52E-04	2.39E-08	8.34E-09	1.33E-04	2.10E-08	7.31E-09
2202	494911.06, 3859801.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.09E-08	7.27E-09
2203	494961.06, 3859801.99	1.23E-04	1.93E-08	6.74E-09	1.50E-04	2.37E-08	8.25E-09	1.32E-04	2.08E-08	7.23E-09
2204	495011.06, 3859801.99	1.22E-04	1.92E-08	6.70E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.07E-08	7.20E-09
2205	495061.06, 3859801.99	1.22E-04	1.92E-08	6.67E-09	1.49E-04	2.35E-08	8.17E-09	1.31E-04	2.06E-08	7.16E-09
2206	495111.06, 3859801.99	1.21E-04	1.90E-08	6.64E-09	1.48E-04	2.33E-08	8.13E-09	1.30E-04	2.04E-08	7.12E-09
2207	495161.06, 3859801.99	1.20E-04	1.89E-08	6.60E-09	1.47E-04	2.32E-08	8.08E-09	1.29E-04	2.03E-08	7.08E-09
2208	495211.06, 3859801.99	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.05E-09	1.29E-04	2.02E-08	7.05E-09
2209	495261.06, 3859801.99	1.19E-04	1.88E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
2210	495311.06, 3859801.99	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.00E-08	6.98E-09
2211	495361.06, 3859801.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.27E-08	7.93E-09	1.27E-04	1.99E-08	6.95E-09
2212	495411.06, 3859801.99	1.17E-04	1.85E-08	6.43E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.90E-09
2213	495461.06, 3859801.99	1.17E-04	1.84E-08	6.40E-09	1.43E-04	2.25E-08	7.84E-09	1.25E-04	1.97E-08	6.87E-09
2214	495511.06, 3859801.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.82E-09
2215	495561.06, 3859801.99	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.22E-08	7.75E-09	1.24E-04	1.95E-08	6.79E-09
2216	495611.06, 3859801.99	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.72E-09	1.23E-04	1.94E-08	6.77E-09
2217	495661.06, 3859801.99	1.14E-04	1.80E-08	6.26E-09	1.40E-04	2.20E-08	7.67E-09	1.23E-04	1.93E-08	6.73E-09
2218	494311.06, 3859851.99	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.66E-09	1.38E-04	2.18E-08	7.59E-09
2219	494361.06, 3859851.99	1.28E-04	2.02E-08	7.04E-09	1.57E-04	2.47E-08	8.62E-09	1.38E-04	2.17E-08	7.55E-09
2220	494411.06, 3859851.99	1.27E-04	2.01E-08	7.00E-09	1.56E-04	2.46E-08	8.57E-09	1.37E-04	2.16E-08	7.51E-09
2221	494461.06, 3859851.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.53E-09	1.36E-04	2.15E-08	7.47E-09
2222	494511.06, 3859851.99	1.26E-04	1.99E-08	6.94E-09	1.55E-04	2.44E-08	8.50E-09	1.36E-04	2.14E-08	7.45E-09
2223	494561.06, 3859851.99	1.26E-04	1.99E-08	6.92E-09	1.54E-04	2.43E-08	8.47E-09	1.35E-04	2.13E-08	7.42E-09
2224	494611.06, 3859851.99	1.25E-04	1.97E-08	6.87E-09	1.53E-04	2.42E-08	8.41E-09	1.34E-04	2.12E-08	7.37E-09
2225	494661.06, 3859851.99	1.25E-04	1.96E-08	6.84E-09	1.53E-04	2.41E-08	8.38E-09	1.34E-04	2.11E-08	7.35E-09
2226	494711.06, 3859851.99	1.24E-04	1.95E-08	6.80E-09	1.52E-04	2.39E-08	8.33E-09	1.33E-04	2.10E-08	7.30E-09
2227	494761.06, 3859851.99	1.24E-04	1.95E-08	6.78E-09	1.51E-04	2.38E-08	8.31E-09	1.33E-04	2.09E-08	7.28E-09
2228	494811.06, 3859851.99	1.23E-04	1.94E-08	6.75E-09	1.51E-04	2.37E-08	8.27E-09	1.32E-04	2.08E-08	7.25E-09

2229	494861.06, 3859851.99	1.22E-04	1.93E-08	6.72E-09	1.50E-04	2.36E-08	8.23E-09	1.31E-04	2.07E-08	7.22E-09
2230	494911.06, 3859851.99	1.22E-04	1.92E-08	6.69E-09	1.49E-04	2.35E-08	8.19E-09	1.31E-04	2.06E-08	7.18E-09
2231	494961.06, 3859851.99	1.21E-04	1.91E-08	6.66E-09	1.49E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.15E-09
2232	495011.06, 3859851.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.30E-04	2.04E-08	7.11E-09
2233	495061.06, 3859851.99	1.20E-04	1.89E-08	6.60E-09	1.47E-04	2.32E-08	8.08E-09	1.29E-04	2.03E-08	7.08E-09
2234	495111.06, 3859851.99	1.20E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.04E-09
2235	495161.06, 3859851.99	1.19E-04	1.87E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
2236	495211.06, 3859851.99	1.18E-04	1.87E-08	6.50E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.97E-09
2237	495261.06, 3859851.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.27E-08	7.92E-09	1.26E-04	1.99E-08	6.94E-09
2238	495311.06, 3859851.99	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.91E-09
2239	495361.06, 3859851.99	1.17E-04	1.84E-08	6.41E-09	1.43E-04	2.25E-08	7.85E-09	1.25E-04	1.97E-08	6.88E-09
2240	495411.06, 3859851.99	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.80E-09	1.25E-04	1.96E-08	6.84E-09
2241	495461.06, 3859851.99	1.15E-04	1.82E-08	6.34E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
2242	495511.06, 3859851.99	1.15E-04	1.81E-08	6.30E-09	1.41E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.76E-09
2243	495561.06, 3859851.99	1.14E-04	1.80E-08	6.27E-09	1.40E-04	2.21E-08	7.68E-09	1.23E-04	1.93E-08	6.73E-09
2244	495611.06, 3859851.99	1.14E-04	1.79E-08	6.25E-09	1.39E-04	2.20E-08	7.65E-09	1.22E-04	1.92E-08	6.70E-09
2245	495661.06, 3859851.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.61E-09	1.21E-04	1.91E-08	6.67E-09
2246	494311.06, 3859901.99	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.47E-09
2247	494361.06, 3859901.99	1.26E-04	1.99E-08	6.92E-09	1.54E-04	2.43E-08	8.47E-09	1.35E-04	2.13E-08	7.43E-09
2248	494411.06, 3859901.99	1.26E-04	1.98E-08	6.89E-09	1.54E-04	2.42E-08	8.44E-09	1.35E-04	2.12E-08	7.40E-09
2249	494461.06, 3859901.99	1.25E-04	1.97E-08	6.86E-09	1.53E-04	2.41E-08	8.40E-09	1.34E-04	2.11E-08	7.36E-09
2250	494511.06, 3859901.99	1.24E-04	1.96E-08	6.83E-09	1.52E-04	2.40E-08	8.37E-09	1.34E-04	2.10E-08	7.33E-09
2251	494561.06, 3859901.99	1.24E-04	1.96E-08	6.81E-09	1.52E-04	2.39E-08	8.34E-09	1.33E-04	2.10E-08	7.31E-09
2252	494611.06, 3859901.99	1.23E-04	1.94E-08	6.77E-09	1.51E-04	2.38E-08	8.29E-09	1.32E-04	2.09E-08	7.27E-09
2253	494661.06, 3859901.99	1.23E-04	1.94E-08	6.75E-09	1.51E-04	2.37E-08	8.27E-09	1.32E-04	2.08E-08	7.24E-09
2254	494711.06, 3859901.99	1.22E-04	1.92E-08	6.71E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.07E-08	7.20E-09
2255	494761.06, 3859901.99	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.18E-09	1.31E-04	2.06E-08	7.17E-09
2256	494811.06, 3859901.99	1.21E-04	1.91E-08	6.66E-09	1.49E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.15E-09
2257	494861.06, 3859901.99	1.21E-04	1.90E-08	6.63E-09	1.48E-04	2.33E-08	8.12E-09	1.30E-04	2.04E-08	7.12E-09
2258	494911.06, 3859901.99	1.20E-04	1.89E-08	6.60E-09	1.47E-04	2.32E-08	8.08E-09	1.29E-04	2.03E-08	7.08E-09
2259	494961.06, 3859901.99	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.05E-09	1.29E-04	2.02E-08	7.05E-09
2260	495011.06, 3859901.99	1.19E-04	1.88E-08	6.54E-09	1.46E-04	2.30E-08	8.01E-09	1.28E-04	2.01E-08	7.02E-09
2261	495061.06, 3859901.99	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.01E-08	6.99E-09
2262	495111.06, 3859901.99	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.93E-09	1.27E-04	2.00E-08	6.95E-09
2263	495161.06, 3859901.99	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.26E-08	7.89E-09	1.26E-04	1.99E-08	6.92E-09
2264	495211.06, 3859901.99	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.86E-09	1.25E-04	1.98E-08	6.89E-09
2265	495261.06, 3859901.99	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.82E-09	1.25E-04	1.97E-08	6.85E-09
2266	495311.06, 3859901.99	1.16E-04	1.82E-08	6.36E-09	1.42E-04	2.23E-08	7.79E-09	1.24E-04	1.96E-08	6.82E-09
2267	495361.06, 3859901.99	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.22E-08	7.75E-09	1.24E-04	1.95E-08	6.79E-09
2268	495411.06, 3859901.99	1.15E-04	1.81E-08	6.29E-09	1.40E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.75E-09
2269	495461.06, 3859901.99	1.14E-04	1.80E-08	6.26E-09	1.40E-04	2.20E-08	7.67E-09	1.22E-04	1.93E-08	6.72E-09
2270	495511.06, 3859901.99	1.14E-04	1.79E-08	6.24E-09	1.39E-04	2.19E-08	7.64E-09	1.22E-04	1.92E-08	6.69E-09
2271	495561.06, 3859901.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.61E-09	1.21E-04	1.91E-08	6.67E-09
2272	495611.06, 3859901.99	1.13E-04	1.77E-08	6.18E-09	1.38E-04	2.17E-08	7.57E-09	1.21E-04	1.90E-08	6.63E-09
2273	495661.06, 3859901.99	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.52E-09	1.20E-04	1.89E-08	6.59E-09
2274	494311.06, 3859951.99	1.25E-04	1.97E-08	6.85E-09	1.53E-04	2.41E-08	8.39E-09	1.34E-04	2.11E-08	7.35E-09
2275	494361.06, 3859951.99	1.24E-04	1.96E-08	6.82E-09	1.52E-04	2.40E-08	8.35E-09	1.33E-04	2.10E-08	7.32E-09
2276	494411.06, 3859951.99	1.24E-04	1.95E-08	6.78E-09	1.51E-04	2.38E-08	8.31E-09	1.33E-04	2.09E-08	7.28E-09
2277	494461.06, 3859951.99	1.23E-04	1.94E-08	6.75E-09	1.51E-04	2.37E-08	8.27E-09	1.32E-04	2.08E-08	7.25E-09
2278	494511.06, 3859951.99	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.36E-08	8.24E-09	1.32E-04	2.07E-08	7.22E-09
2279	494561.06, 3859951.99	1.22E-04	1.93E-08	6.71E-09	1.50E-04	2.36E-08	8.22E-09	1.31E-04	2.07E-08	7.20E-09
2280	494611.06, 3859951.99	1.22E-04	1.91E-08	6.67E-09	1.49E-04	2.35E-08	8.17E-09	1.30E-04	2.06E-08	7.16E-09
2281	494661.06, 3859951.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.14E-09
2282	494711.06, 3859951.99	1.20E-04	1.90E-08	6.61E-09	1.48E-04	2.32E-08	8.10E-09	1.29E-04	2.04E-08	7.10E-09
2283	494761.06, 3859951.99	1.20E-04	1.89E-08	6.59E-09	1.47E-04	2.32E-08	8.07E-09	1.29E-04	2.03E-08	7.07E-09
2284	494811.06, 3859951.99	1.20E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.03E-09	1.28E-04	2.02E-08	7.04E-09
2285	494861.06, 3859951.99	1.19E-04	1.88E-08	6.53E-09	1.46E-04	2.30E-08	8.00E-09	1.28E-04	2.01E-08	7.01E-09
2286	494911.06, 3859951.99	1.19E-04	1.87E-08	6.50E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.00E-08	6.98E-09
2287	494961.06, 3859951.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.28E-08	7.93E-09	1.27E-04	1.99E-08	6.95E-09
2288	495011.06, 3859951.99	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.27E-08	7.89E-09	1.26E-04	1.99E-08	6.92E-09
2289	495061.06, 3859951.99	1.17E-04	1.84E-08	6.42E-09	1.43E-04	2.26E-08	7.86E-09	1.25E-04	1.98E-08	6.89E-09
2290	495111.06, 3859951.99	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.24E-08	7.82E-09	1.25E-04	1.97E-08	6.85E-09

2291	495161.06, 3859951.99	1.16E-04	1.82E-08	6.36E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.82E-09
2292	495211.06, 3859951.99	1.15E-04	1.82E-08	6.32E-09	1.41E-04	2.22E-08	7.75E-09	1.24E-04	1.95E-08	6.79E-09
2293	495261.06, 3859951.99	1.15E-04	1.81E-08	6.30E-09	1.41E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.76E-09
2294	495311.06, 3859951.99	1.14E-04	1.80E-08	6.27E-09	1.40E-04	2.21E-08	7.68E-09	1.23E-04	1.93E-08	6.73E-09
2295	495361.06, 3859951.99	1.14E-04	1.79E-08	6.25E-09	1.39E-04	2.20E-08	7.65E-09	1.22E-04	1.92E-08	6.70E-09
2296	495411.06, 3859951.99	1.13E-04	1.78E-08	6.22E-09	1.39E-04	2.19E-08	7.61E-09	1.22E-04	1.92E-08	6.67E-09
2297	495461.06, 3859951.99	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.17E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
2298	495511.06, 3859951.99	1.12E-04	1.77E-08	6.16E-09	1.37E-04	2.16E-08	7.54E-09	1.20E-04	1.90E-08	6.61E-09
2299	495561.06, 3859951.99	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.52E-09	1.20E-04	1.89E-08	6.59E-09
2300	495611.06, 3859951.99	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.55E-09
2301	495661.06, 3859951.99	1.11E-04	1.74E-08	6.07E-09	1.36E-04	2.14E-08	7.44E-09	1.19E-04	1.87E-08	6.52E-09
2302	494311.06, 3860001.99	1.23E-04	1.93E-08	6.74E-09	1.50E-04	2.37E-08	8.25E-09	1.32E-04	2.08E-08	7.23E-09
2303	494361.06, 3860001.99	1.22E-04	1.92E-08	6.71E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.07E-08	7.20E-09
2304	494411.06, 3860001.99	1.22E-04	1.92E-08	6.67E-09	1.49E-04	2.35E-08	8.17E-09	1.31E-04	2.06E-08	7.16E-09
2305	494461.06, 3860001.99	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.14E-09
2306	494511.06, 3860001.99	1.21E-04	1.90E-08	6.62E-09	1.48E-04	2.33E-08	8.11E-09	1.29E-04	2.04E-08	7.11E-09
2307	494561.06, 3860001.99	1.20E-04	1.90E-08	6.60E-09	1.47E-04	2.32E-08	8.09E-09	1.29E-04	2.03E-08	7.09E-09
2308	494611.06, 3860001.99	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.05E-09	1.29E-04	2.03E-08	7.06E-09
2309	494661.06, 3860001.99	1.19E-04	1.88E-08	6.55E-09	1.46E-04	2.30E-08	8.02E-09	1.28E-04	2.02E-08	7.03E-09
2310	494711.06, 3860001.99	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.97E-09	1.27E-04	2.01E-08	6.99E-09
2311	494761.06, 3860001.99	1.18E-04	1.86E-08	6.49E-09	1.45E-04	2.28E-08	7.95E-09	1.27E-04	2.00E-08	6.96E-09
2312	494811.06, 3860001.99	1.18E-04	1.85E-08	6.46E-09	1.44E-04	2.27E-08	7.92E-09	1.26E-04	1.99E-08	6.94E-09
2313	494861.06, 3860001.99	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.91E-09
2314	494911.06, 3860001.99	1.17E-04	1.84E-08	6.40E-09	1.43E-04	2.25E-08	7.84E-09	1.25E-04	1.97E-08	6.87E-09
2315	494961.06, 3860001.99	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.81E-09	1.25E-04	1.96E-08	6.84E-09
2316	495011.06, 3860001.99	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.96E-08	6.81E-09
2317	495061.06, 3860001.99	1.15E-04	1.81E-08	6.32E-09	1.41E-04	2.22E-08	7.74E-09	1.24E-04	1.95E-08	6.79E-09
2318	495111.06, 3860001.99	1.15E-04	1.81E-08	6.29E-09	1.40E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.76E-09
2319	495161.06, 3860001.99	1.14E-04	1.80E-08	6.26E-09	1.40E-04	2.20E-08	7.67E-09	1.23E-04	1.93E-08	6.72E-09
2320	495211.06, 3860001.99	1.14E-04	1.79E-08	6.24E-09	1.39E-04	2.19E-08	7.64E-09	1.22E-04	1.92E-08	6.70E-09
2321	495261.06, 3860001.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.61E-09	1.22E-04	1.91E-08	6.67E-09
2322	495311.06, 3860001.99	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.18E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
2323	495361.06, 3860001.99	1.12E-04	1.77E-08	6.16E-09	1.37E-04	2.16E-08	7.54E-09	1.20E-04	1.90E-08	6.61E-09
2324	495411.06, 3860001.99	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
2325	495461.06, 3860001.99	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.56E-09
2326	495511.06, 3860001.99	1.11E-04	1.75E-08	6.08E-09	1.36E-04	2.14E-08	7.45E-09	1.19E-04	1.87E-08	6.53E-09
2327	495561.06, 3860001.99	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.42E-09	1.18E-04	1.87E-08	6.50E-09
2328	495611.06, 3860001.99	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.38E-09	1.18E-04	1.86E-08	6.47E-09
2329	495661.06, 3860001.99	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
2330	494411.06, 3860051.99	1.20E-04	1.89E-08	6.57E-09	1.47E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.05E-09
2331	494461.06, 3860051.99	1.19E-04	1.88E-08	6.54E-09	1.46E-04	2.30E-08	8.01E-09	1.28E-04	2.02E-08	7.02E-09
2332	494511.06, 3860051.99	1.19E-04	1.87E-08	6.51E-09	1.45E-04	2.29E-08	7.98E-09	1.27E-04	2.01E-08	6.99E-09
2333	494561.06, 3860051.99	1.18E-04	1.86E-08	6.49E-09	1.45E-04	2.28E-08	7.95E-09	1.27E-04	2.00E-08	6.97E-09
2334	494611.06, 3860051.99	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.27E-08	7.92E-09	1.26E-04	1.99E-08	6.94E-09
2335	494661.06, 3860051.99	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.26E-08	7.89E-09	1.26E-04	1.98E-08	6.91E-09
2336	494711.06, 3860051.99	1.17E-04	1.84E-08	6.41E-09	1.43E-04	2.25E-08	7.85E-09	1.25E-04	1.98E-08	6.88E-09
2337	494761.06, 3860051.99	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.82E-09	1.25E-04	1.97E-08	6.86E-09
2338	494811.06, 3860051.99	1.16E-04	1.83E-08	6.36E-09	1.42E-04	2.24E-08	7.79E-09	1.24E-04	1.96E-08	6.83E-09
2339	494861.06, 3860051.99	1.16E-04	1.82E-08	6.34E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
2340	494911.06, 3860051.99	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.73E-09	1.23E-04	1.94E-08	6.77E-09
2341	494961.06, 3860051.99	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.70E-09	1.23E-04	1.94E-08	6.74E-09
2342	495011.06, 3860051.99	1.14E-04	1.80E-08	6.26E-09	1.40E-04	2.20E-08	7.66E-09	1.22E-04	1.93E-08	6.71E-09
2343	495061.06, 3860051.99	1.13E-04	1.79E-08	6.23E-09	1.39E-04	2.19E-08	7.63E-09	1.22E-04	1.92E-08	6.69E-09
2344	495111.06, 3860051.99	1.13E-04	1.78E-08	6.20E-09	1.38E-04	2.18E-08	7.59E-09	1.21E-04	1.91E-08	6.66E-09
2345	495161.06, 3860051.99	1.13E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.56E-09	1.21E-04	1.90E-08	6.63E-09
2346	495211.06, 3860051.99	1.12E-04	1.76E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
2347	495261.06, 3860051.99	1.12E-04	1.76E-08	6.12E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.57E-09
2348	495311.06, 3860051.99	1.11E-04	1.75E-08	6.10E-09	1.36E-04	2.14E-08	7.47E-09	1.19E-04	1.88E-08	6.55E-09
2349	495361.06, 3860051.99	1.11E-04	1.74E-08	6.07E-09	1.36E-04	2.14E-08	7.44E-09	1.19E-04	1.87E-08	6.52E-09
2350	495411.06, 3860051.99	1.10E-04	1.74E-08	6.05E-09	1.35E-04	2.13E-08	7.41E-09	1.18E-04	1.86E-08	6.49E-09
2351	495461.06, 3860051.99	1.10E-04	1.73E-08	6.02E-09	1.34E-04	2.12E-08	7.38E-09	1.18E-04	1.86E-08	6.46E-09
2352	495511.06, 3860051.99	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09

2353	495561.06, 3860051.99	1.09E-04	1.71E-08	5.97E-09	1.33E-04	2.10E-08	7.32E-09	1.17E-04	1.84E-08	6.41E-09
2354	495611.06, 3860051.99	1.08E-04	1.71E-08	5.95E-09	1.33E-04	2.09E-08	7.29E-09	1.16E-04	1.83E-08	6.39E-09
2355	495661.06, 3860051.99	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.82E-08	6.36E-09
2356	494411.06, 3860101.99	1.18E-04	1.85E-08	6.45E-09	1.44E-04	2.27E-08	7.90E-09	1.26E-04	1.99E-08	6.93E-09
2357	494461.06, 3860101.99	1.17E-04	1.85E-08	6.43E-09	1.44E-04	2.26E-08	7.88E-09	1.26E-04	1.98E-08	6.90E-09
2358	494511.06, 3860101.99	1.17E-04	1.84E-08	6.40E-09	1.43E-04	2.25E-08	7.84E-09	1.25E-04	1.97E-08	6.88E-09
2359	494561.06, 3860101.99	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.82E-09	1.25E-04	1.97E-08	6.85E-09
2360	494611.06, 3860101.99	1.16E-04	1.83E-08	6.36E-09	1.42E-04	2.24E-08	7.79E-09	1.24E-04	1.96E-08	6.83E-09
2361	494661.06, 3860101.99	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
2362	494711.06, 3860101.99	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.73E-09	1.23E-04	1.94E-08	6.77E-09
2363	494761.06, 3860101.99	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.70E-09	1.23E-04	1.94E-08	6.75E-09
2364	494811.06, 3860101.99	1.14E-04	1.80E-08	6.26E-09	1.40E-04	2.20E-08	7.67E-09	1.22E-04	1.93E-08	6.72E-09
2365	494861.06, 3860101.99	1.14E-04	1.79E-08	6.23E-09	1.39E-04	2.19E-08	7.63E-09	1.22E-04	1.92E-08	6.69E-09
2366	494911.06, 3860101.99	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.67E-09
2367	494961.06, 3860101.99	1.13E-04	1.78E-08	6.18E-09	1.38E-04	2.17E-08	7.57E-09	1.21E-04	1.91E-08	6.64E-09
2368	495011.06, 3860101.99	1.12E-04	1.77E-08	6.16E-09	1.37E-04	2.17E-08	7.54E-09	1.20E-04	1.90E-08	6.61E-09
2369	495061.06, 3860101.99	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
2370	495111.06, 3860101.99	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.55E-09
2371	495161.06, 3860101.99	1.11E-04	1.75E-08	6.08E-09	1.36E-04	2.14E-08	7.45E-09	1.19E-04	1.87E-08	6.53E-09
2372	495211.06, 3860101.99	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.42E-09	1.18E-04	1.87E-08	6.50E-09
2373	495261.06, 3860101.99	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.48E-09
2374	495311.06, 3860101.99	1.09E-04	1.72E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.45E-09
2375	495361.06, 3860101.99	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.10E-08	7.33E-09	1.17E-04	1.84E-08	6.43E-09
2376	495411.06, 3860101.99	1.09E-04	1.71E-08	5.96E-09	1.33E-04	2.10E-08	7.30E-09	1.17E-04	1.84E-08	6.40E-09
2377	495461.06, 3860101.99	1.08E-04	1.70E-08	5.93E-09	1.32E-04	2.09E-08	7.27E-09	1.16E-04	1.83E-08	6.37E-09
2378	495511.06, 3860101.99	1.08E-04	1.70E-08	5.91E-09	1.32E-04	2.08E-08	7.24E-09	1.16E-04	1.82E-08	6.35E-09
2379	495561.06, 3860101.99	1.07E-04	1.69E-08	5.89E-09	1.31E-04	2.07E-08	7.21E-09	1.15E-04	1.81E-08	6.32E-09
2380	495611.06, 3860101.99	1.07E-04	1.68E-08	5.86E-09	1.31E-04	2.06E-08	7.18E-09	1.15E-04	1.81E-08	6.29E-09
2381	495661.06, 3860101.99	1.06E-04	1.68E-08	5.84E-09	1.30E-04	2.05E-08	7.15E-09	1.14E-04	1.80E-08	6.27E-09
2382	494861.06, 3860151.99	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.58E-09
2383	494911.06, 3860151.99	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.56E-09
2384	494961.06, 3860151.99	1.11E-04	1.75E-08	6.08E-09	1.36E-04	2.14E-08	7.45E-09	1.19E-04	1.87E-08	6.53E-09
2385	495011.06, 3860151.99	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.42E-09	1.19E-04	1.87E-08	6.51E-09
2386	495061.06, 3860151.99	1.10E-04	1.73E-08	6.04E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.48E-09
2387	495111.06, 3860151.99	1.10E-04	1.73E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.45E-09
2388	495161.06, 3860151.99	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.43E-09
2389	495211.06, 3860151.99	1.09E-04	1.71E-08	5.97E-09	1.33E-04	2.10E-08	7.31E-09	1.17E-04	1.84E-08	6.40E-09
2390	495261.06, 3860151.99	1.08E-04	1.71E-08	5.94E-09	1.33E-04	2.09E-08	7.28E-09	1.16E-04	1.83E-08	6.38E-09
2391	495311.06, 3860151.99	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.82E-08	6.35E-09
2392	495361.06, 3860151.99	1.07E-04	1.69E-08	5.90E-09	1.32E-04	2.07E-08	7.22E-09	1.15E-04	1.82E-08	6.33E-09
2393	495411.06, 3860151.99	1.07E-04	1.69E-08	5.87E-09	1.31E-04	2.06E-08	7.19E-09	1.15E-04	1.81E-08	6.30E-09
2394	495461.06, 3860151.99	1.07E-04	1.68E-08	5.85E-09	1.31E-04	2.06E-08	7.16E-09	1.14E-04	1.80E-08	6.28E-09
2395	495511.06, 3860151.99	1.06E-04	1.67E-08	5.83E-09	1.30E-04	2.05E-08	7.14E-09	1.14E-04	1.80E-08	6.25E-09
2396	495561.06, 3860151.99	1.06E-04	1.67E-08	5.80E-09	1.30E-04	2.04E-08	7.11E-09	1.14E-04	1.79E-08	6.23E-09
2397	495611.06, 3860151.99	1.05E-04	1.66E-08	5.78E-09	1.29E-04	2.03E-08	7.08E-09	1.13E-04	1.78E-08	6.20E-09
2398	495661.06, 3860151.99	1.05E-04	1.65E-08	5.76E-09	1.28E-04	2.02E-08	7.05E-09	1.13E-04	1.77E-08	6.18E-09
2399	495718.25, 3859442.96	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.80E-09	1.25E-04	1.96E-08	6.84E-09
2400	495818.25, 3859442.96	1.14E-04	1.80E-08	6.27E-09	1.40E-04	2.20E-08	7.68E-09	1.23E-04	1.93E-08	6.73E-09
2401	495918.25, 3859442.96	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.18E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
2402	496018.25, 3859442.96	1.12E-04	1.76E-08	6.12E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.57E-09
2403	496118.25, 3859442.96	1.12E-04	1.76E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
2404	496218.25, 3859442.96	1.12E-04	1.77E-08	6.15E-09	1.37E-04	2.16E-08	7.54E-09	1.20E-04	1.90E-08	6.60E-09
2405	496318.25, 3859442.96	1.11E-04	1.75E-08	6.10E-09	1.36E-04	2.14E-08	7.47E-09	1.19E-04	1.88E-08	6.54E-09
2406	496418.25, 3859442.96	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.48E-09
2407	495718.25, 3859542.96	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.81E-09	1.25E-04	1.97E-08	6.85E-09
2408	495818.25, 3859542.96	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.72E-09	1.23E-04	1.94E-08	6.77E-09
2409	495918.25, 3859542.96	1.13E-04	1.78E-08	6.22E-09	1.39E-04	2.19E-08	7.61E-09	1.22E-04	1.92E-08	6.67E-09
2410	496018.25, 3859542.96	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.52E-09	1.20E-04	1.89E-08	6.59E-09
2411	496118.25, 3859542.96	1.12E-04	1.77E-08	6.15E-09	1.37E-04	2.16E-08	7.53E-09	1.20E-04	1.89E-08	6.60E-09
2412	496218.25, 3859542.96	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.58E-09
2413	496318.25, 3859542.96	1.11E-04	1.75E-08	6.11E-09	1.36E-04	2.15E-08	7.48E-09	1.19E-04	1.88E-08	6.55E-09
2414	496418.25, 3859542.96	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.38E-09	1.18E-04	1.86E-08	6.47E-09

2415	495718.25, 3859642.96	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
2416	495818.25, 3859642.96	1.14E-04	1.80E-08	6.25E-09	1.40E-04	2.20E-08	7.66E-09	1.22E-04	1.93E-08	6.71E-09
2417	495918.25, 3859642.96	1.13E-04	1.78E-08	6.20E-09	1.38E-04	2.18E-08	7.59E-09	1.21E-04	1.91E-08	6.65E-09
2418	496018.25, 3859642.96	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.57E-09
2419	496118.25, 3859642.96	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.52E-09	1.20E-04	1.89E-08	6.59E-09
2420	496218.25, 3859642.96	1.12E-04	1.76E-08	6.12E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.57E-09
2421	496318.25, 3859642.96	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
2422	496418.25, 3859642.96	1.07E-04	1.69E-08	5.89E-09	1.31E-04	2.07E-08	7.21E-09	1.15E-04	1.81E-08	6.32E-09
2423	495718.25, 3859742.96	1.15E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.70E-09	1.23E-04	1.94E-08	6.75E-09
2424	495818.25, 3859742.96	1.13E-04	1.78E-08	6.20E-09	1.38E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.66E-09
2425	495918.25, 3859742.96	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.52E-09	1.20E-04	1.89E-08	6.59E-09
2426	496018.25, 3859742.96	1.11E-04	1.74E-08	6.07E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.52E-09
2427	496118.25, 3859742.96	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
2428	496218.25, 3859742.96	1.11E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
2429	496318.25, 3859742.96	1.08E-04	1.70E-08	5.93E-09	1.32E-04	2.09E-08	7.27E-09	1.16E-04	1.83E-08	6.37E-09
2430	496418.25, 3859742.96	1.06E-04	1.67E-08	5.81E-09	1.30E-04	2.04E-08	7.11E-09	1.14E-04	1.79E-08	6.23E-09
2431	495718.25, 3859842.96	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.17E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
2432	495818.25, 3859842.96	1.12E-04	1.76E-08	6.12E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.57E-09
2433	495918.25, 3859842.96	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
2434	496018.25, 3859842.96	1.10E-04	1.73E-08	6.02E-09	1.34E-04	2.12E-08	7.37E-09	1.18E-04	1.85E-08	6.46E-09
2435	496118.25, 3859842.96	1.10E-04	1.73E-08	6.01E-09	1.34E-04	2.11E-08	7.37E-09	1.18E-04	1.85E-08	6.46E-09
2436	496218.25, 3859842.96	1.08E-04	1.70E-08	5.91E-09	1.32E-04	2.08E-08	7.24E-09	1.16E-04	1.82E-08	6.35E-09
2437	496318.25, 3859842.96	1.04E-04	1.64E-08	5.70E-09	1.27E-04	2.00E-08	6.98E-09	1.11E-04	1.76E-08	6.12E-09
2438	496418.25, 3859842.96	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.78E-09	1.08E-04	1.71E-08	5.94E-09
2439	495718.25, 3859942.96	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.42E-09	1.18E-04	1.87E-08	6.50E-09
2440	495818.25, 3859942.96	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
2441	495918.25, 3859942.96	1.08E-04	1.71E-08	5.95E-09	1.33E-04	2.09E-08	7.29E-09	1.16E-04	1.83E-08	6.39E-09
2442	496018.25, 3859942.96	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.26E-09	1.16E-04	1.83E-08	6.36E-09
2443	496118.25, 3859942.96	1.07E-04	1.68E-08	5.85E-09	1.31E-04	2.06E-08	7.17E-09	1.14E-04	1.80E-08	6.28E-09
2444	496218.25, 3859942.96	1.04E-04	1.65E-08	5.73E-09	1.28E-04	2.02E-08	7.02E-09	1.12E-04	1.77E-08	6.16E-09
2445	496318.25, 3859942.96	1.02E-04	1.61E-08	5.60E-09	1.25E-04	1.97E-08	6.86E-09	1.09E-04	1.72E-08	6.01E-09
2446	496418.25, 3859942.96	9.82E-05	1.55E-08	5.39E-09	1.20E-04	1.89E-08	6.60E-09	1.05E-04	1.66E-08	5.78E-09
2447	496856.82, 3858864.83	9.78E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.57E-09	1.05E-04	1.65E-08	5.76E-09
2448	496956.82, 3858864.83	9.63E-05	1.52E-08	5.29E-09	1.18E-04	1.86E-08	6.48E-09	1.03E-04	1.63E-08	5.68E-09
2449	497056.82, 3858864.83	9.50E-05	1.50E-08	5.21E-09	1.16E-04	1.83E-08	6.39E-09	1.02E-04	1.61E-08	5.60E-09
2450	497156.82, 3858864.83	9.33E-05	1.47E-08	5.12E-09	1.14E-04	1.80E-08	6.27E-09	1.00E-04	1.58E-08	5.49E-09
2451	497256.82, 3858864.83	9.28E-05	1.46E-08	5.09E-09	1.14E-04	1.79E-08	6.24E-09	9.96E-05	1.57E-08	5.46E-09
2452	496856.82, 3858964.83	9.98E-05	1.57E-08	5.48E-09	1.22E-04	1.92E-08	6.71E-09	1.07E-04	1.69E-08	5.88E-09
2453	496956.82, 3858964.83	9.77E-05	1.54E-08	5.36E-09	1.20E-04	1.89E-08	6.57E-09	1.05E-04	1.65E-08	5.76E-09
2454	497056.82, 3858964.83	9.62E-05	1.52E-08	5.28E-09	1.18E-04	1.86E-08	6.47E-09	1.03E-04	1.63E-08	5.67E-09
2455	497156.82, 3858964.83	9.46E-05	1.49E-08	5.19E-09	1.16E-04	1.83E-08	6.36E-09	1.02E-04	1.60E-08	5.57E-09
2456	497256.82, 3858964.83	9.54E-05	1.50E-08	5.24E-09	1.17E-04	1.84E-08	6.41E-09	1.02E-04	1.61E-08	5.62E-09
2457	496856.82, 3859064.83	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.74E-09	1.08E-04	1.69E-08	5.90E-09
2458	496956.82, 3859064.83	9.86E-05	1.55E-08	5.41E-09	1.21E-04	1.90E-08	6.63E-09	1.06E-04	1.67E-08	5.81E-09
2459	497056.82, 3859064.83	9.73E-05	1.53E-08	5.34E-09	1.19E-04	1.88E-08	6.54E-09	1.04E-04	1.64E-08	5.73E-09
2460	497156.82, 3859064.83	9.61E-05	1.51E-08	5.28E-09	1.18E-04	1.86E-08	6.46E-09	1.03E-04	1.63E-08	5.66E-09
2461	497256.82, 3859064.83	9.77E-05	1.54E-08	5.36E-09	1.20E-04	1.88E-08	6.57E-09	1.05E-04	1.65E-08	5.75E-09
2462	496856.82, 3859164.83	9.95E-05	1.57E-08	5.46E-09	1.22E-04	1.92E-08	6.69E-09	1.07E-04	1.68E-08	5.86E-09
2463	496956.82, 3859164.83	9.78E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.58E-09	1.05E-04	1.65E-08	5.76E-09
2464	497056.82, 3859164.83	9.72E-05	1.53E-08	5.33E-09	1.19E-04	1.87E-08	6.53E-09	1.04E-04	1.64E-08	5.72E-09
2465	497156.82, 3859164.83	9.77E-05	1.54E-08	5.36E-09	1.20E-04	1.88E-08	6.57E-09	1.05E-04	1.65E-08	5.75E-09
2466	497256.82, 3859164.83	9.95E-05	1.57E-08	5.46E-09	1.22E-04	1.92E-08	6.69E-09	1.07E-04	1.68E-08	5.86E-09
2467	496856.82, 3859264.83	9.82E-05	1.55E-08	5.39E-09	1.20E-04	1.89E-08	6.60E-09	1.05E-04	1.66E-08	5.78E-09
2468	496956.82, 3859264.83	9.79E-05	1.54E-08	5.37E-09	1.20E-04	1.89E-08	6.58E-09	1.05E-04	1.66E-08	5.77E-09
2469	497056.82, 3859264.83	9.85E-05	1.55E-08	5.41E-09	1.21E-04	1.90E-08	6.62E-09	1.06E-04	1.67E-08	5.80E-09
2470	497156.82, 3859264.83	9.89E-05	1.56E-08	5.43E-09	1.21E-04	1.91E-08	6.65E-09	1.06E-04	1.67E-08	5.83E-09
2471	497256.82, 3859264.83	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.94E-08	6.74E-09	1.08E-04	1.70E-08	5.91E-09
2472	497088.92, 3858620.93	8.94E-05	1.41E-08	4.91E-09	1.09E-04	1.72E-08	6.01E-09	9.59E-05	1.51E-08	5.27E-09
2473	497138.92, 3858620.93	8.93E-05	1.41E-08	4.90E-09	1.09E-04	1.72E-08	6.00E-09	9.58E-05	1.51E-08	5.26E-09
2474	497188.92, 3858620.93	8.85E-05	1.39E-08	4.86E-09	1.08E-04	1.71E-08	5.95E-09	9.50E-05	1.50E-08	5.22E-09
2475	497238.92, 3858620.93	8.81E-05	1.39E-08	4.83E-09	1.08E-04	1.70E-08	5.92E-09	9.46E-05	1.49E-08	5.19E-09
2476	497088.92, 3858670.93	8.94E-05	1.41E-08	4.90E-09	1.09E-04	1.72E-08	6.01E-09	9.59E-05	1.51E-08	5.26E-09

2477	497138.92, 3858670.93	8.97E-05	1.41E-08	4.92E-09	1.10E-04	1.73E-08	6.03E-09	9.63E-05	1.52E-08	5.29E-09
2478	497188.92, 3858670.93	8.89E-05	1.40E-08	4.88E-09	1.09E-04	1.72E-08	5.98E-09	9.55E-05	1.50E-08	5.24E-09
2479	497238.92, 3858670.93	8.88E-05	1.40E-08	4.87E-09	1.09E-04	1.71E-08	5.97E-09	9.53E-05	1.50E-08	5.23E-09
2480	497088.92, 3858720.93	9.13E-05	1.44E-08	5.01E-09	1.12E-04	1.76E-08	6.13E-09	9.80E-05	1.54E-08	5.38E-09
2481	497138.92, 3858720.93	8.91E-05	1.40E-08	4.89E-09	1.09E-04	1.72E-08	5.99E-09	9.56E-05	1.51E-08	5.25E-09
2482	497188.92, 3858720.93	8.86E-05	1.40E-08	4.86E-09	1.09E-04	1.71E-08	5.96E-09	9.51E-05	1.50E-08	5.22E-09
2483	497238.92, 3858720.93	8.97E-05	1.41E-08	4.92E-09	1.10E-04	1.73E-08	6.03E-09	9.63E-05	1.52E-08	5.29E-09
2484	497088.92, 3858770.93	9.17E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.17E-09	9.85E-05	1.55E-08	5.40E-09
2485	497138.92, 3858770.93	9.08E-05	1.43E-08	4.98E-09	1.11E-04	1.75E-08	6.10E-09	9.75E-05	1.54E-08	5.35E-09
2486	497188.92, 3858770.93	9.02E-05	1.42E-08	4.95E-09	1.10E-04	1.74E-08	6.06E-09	9.68E-05	1.53E-08	5.31E-09
2487	497238.92, 3858770.93	9.07E-05	1.43E-08	4.98E-09	1.11E-04	1.75E-08	6.10E-09	9.74E-05	1.53E-08	5.34E-09
2488	497396.65, 3858622.63	9.15E-05	1.44E-08	5.02E-09	1.12E-04	1.77E-08	6.15E-09	9.82E-05	1.55E-08	5.39E-09
2489	497496.65, 3858622.63	9.33E-05	1.47E-08	5.12E-09	1.14E-04	1.80E-08	6.27E-09	1.00E-04	1.58E-08	5.50E-09
2490	497596.65, 3858622.63	9.68E-05	1.53E-08	5.31E-09	1.19E-04	1.87E-08	6.51E-09	1.04E-04	1.64E-08	5.71E-09
2491	497696.65, 3858622.63	9.76E-05	1.54E-08	5.36E-09	1.20E-04	1.88E-08	6.56E-09	1.05E-04	1.65E-08	5.75E-09
2492	497796.65, 3858622.63	9.96E-05	1.57E-08	5.47E-09	1.22E-04	1.92E-08	6.70E-09	1.07E-04	1.68E-08	5.87E-09
2493	497896.65, 3858622.63	1.02E-04	1.60E-08	5.57E-09	1.24E-04	1.96E-08	6.83E-09	1.09E-04	1.72E-08	5.98E-09
2494	497396.65, 3858722.63	9.37E-05	1.48E-08	5.14E-09	1.15E-04	1.81E-08	6.30E-09	1.01E-04	1.58E-08	5.52E-09
2495	497496.65, 3858722.63	9.55E-05	1.50E-08	5.24E-09	1.17E-04	1.84E-08	6.42E-09	1.03E-04	1.61E-08	5.63E-09
2496	497596.65, 3858722.63	9.86E-05	1.55E-08	5.41E-09	1.21E-04	1.90E-08	6.63E-09	1.06E-04	1.67E-08	5.81E-09
2497	497696.65, 3858722.63	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.74E-09	1.08E-04	1.69E-08	5.90E-09
2498	497796.65, 3858722.63	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.78E-09	1.08E-04	1.71E-08	5.95E-09
2499	497896.65, 3858722.63	1.02E-04	1.61E-08	5.60E-09	1.25E-04	1.97E-08	6.86E-09	1.10E-04	1.73E-08	6.02E-09
2500	497396.65, 3858822.63	9.49E-05	1.49E-08	5.21E-09	1.16E-04	1.83E-08	6.38E-09	1.02E-04	1.60E-08	5.59E-09
2501	497496.65, 3858822.63	9.63E-05	1.52E-08	5.29E-09	1.18E-04	1.86E-08	6.48E-09	1.03E-04	1.63E-08	5.68E-09
2502	497596.65, 3858822.63	9.99E-05	1.57E-08	5.49E-09	1.22E-04	1.93E-08	6.72E-09	1.07E-04	1.69E-08	5.89E-09
2503	497696.65, 3858822.63	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.79E-09	1.08E-04	1.71E-08	5.95E-09
2504	497796.65, 3858822.63	1.02E-04	1.60E-08	5.58E-09	1.25E-04	1.96E-08	6.83E-09	1.09E-04	1.72E-08	5.99E-09
2505	497896.65, 3858822.63	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.75E-08	6.11E-09
2506	497396.65, 3858922.63	9.62E-05	1.52E-08	5.28E-09	1.18E-04	1.86E-08	6.47E-09	1.03E-04	1.63E-08	5.67E-09
2507	497496.65, 3858922.63	9.92E-05	1.56E-08	5.44E-09	1.21E-04	1.91E-08	6.67E-09	1.06E-04	1.68E-08	5.84E-09
2508	497596.65, 3858922.63	9.89E-05	1.56E-08	5.43E-09	1.21E-04	1.91E-08	6.65E-09	1.06E-04	1.67E-08	5.83E-09
2509	497696.65, 3858922.63	1.02E-04	1.61E-08	5.61E-09	1.25E-04	1.97E-08	6.87E-09	1.10E-04	1.73E-08	6.02E-09
2510	497796.65, 3858922.63	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.96E-09	1.11E-04	1.75E-08	6.10E-09
2511	497896.65, 3858922.63	1.06E-04	1.67E-08	5.82E-09	1.30E-04	2.05E-08	7.13E-09	1.14E-04	1.79E-08	6.25E-09
2512	497364.44, 3858201.52	8.75E-05	1.38E-08	4.80E-09	1.07E-04	1.69E-08	5.89E-09	9.40E-05	1.48E-08	5.16E-09
2513	497414.44, 3858201.52	8.85E-05	1.39E-08	4.86E-09	1.08E-04	1.71E-08	5.95E-09	9.51E-05	1.50E-08	5.22E-09
2514	497464.44, 3858201.52	8.94E-05	1.41E-08	4.91E-09	1.09E-04	1.72E-08	6.01E-09	9.59E-05	1.51E-08	5.27E-09
2515	497514.44, 3858201.52	8.97E-05	1.41E-08	4.92E-09	1.10E-04	1.73E-08	6.03E-09	9.63E-05	1.52E-08	5.28E-09
2516	497564.44, 3858201.52	8.93E-05	1.41E-08	4.90E-09	1.09E-04	1.72E-08	6.00E-09	9.59E-05	1.51E-08	5.26E-09
2517	497614.44, 3858201.52	8.95E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.01E-09	9.61E-05	1.51E-08	5.27E-09
2518	497364.44, 3858251.52	8.90E-05	1.40E-08	4.88E-09	1.09E-04	1.72E-08	5.98E-09	9.55E-05	1.50E-08	5.24E-09
2519	497414.44, 3858251.52	9.03E-05	1.42E-08	4.95E-09	1.11E-04	1.74E-08	6.07E-09	9.69E-05	1.53E-08	5.32E-09
2520	497464.44, 3858251.52	8.95E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.02E-09	9.61E-05	1.51E-08	5.27E-09
2521	497514.44, 3858251.52	8.86E-05	1.40E-08	4.86E-09	1.09E-04	1.71E-08	5.95E-09	9.51E-05	1.50E-08	5.22E-09
2522	497564.44, 3858251.52	8.83E-05	1.39E-08	4.85E-09	1.08E-04	1.70E-08	5.94E-09	9.48E-05	1.49E-08	5.20E-09
2523	497614.44, 3858251.52	8.80E-05	1.39E-08	4.83E-09	1.08E-04	1.70E-08	5.92E-09	9.45E-05	1.49E-08	5.19E-09
2524	497364.44, 3858301.52	8.92E-05	1.41E-08	4.90E-09	1.09E-04	1.72E-08	6.00E-09	9.58E-05	1.51E-08	5.26E-09
2525	497414.44, 3858301.52	9.00E-05	1.42E-08	4.94E-09	1.10E-04	1.74E-08	6.05E-09	9.66E-05	1.52E-08	5.30E-09
2526	497464.44, 3858301.52	8.90E-05	1.40E-08	4.88E-09	1.09E-04	1.72E-08	5.98E-09	9.56E-05	1.51E-08	5.24E-09
2527	497514.44, 3858301.52	8.84E-05	1.39E-08	4.85E-09	1.08E-04	1.70E-08	5.94E-09	9.49E-05	1.49E-08	5.21E-09
2528	497564.44, 3858301.52	8.74E-05	1.38E-08	4.80E-09	1.07E-04	1.69E-08	5.87E-09	9.38E-05	1.48E-08	5.15E-09
2529	497614.44, 3858301.52	8.71E-05	1.37E-08	4.78E-09	1.07E-04	1.68E-08	5.85E-09	9.35E-05	1.47E-08	5.13E-09
2530	497364.44, 3858351.52	8.96E-05	1.41E-08	4.92E-09	1.10E-04	1.73E-08	6.03E-09	9.62E-05	1.52E-08	5.28E-09
2531	497414.44, 3858351.52	8.90E-05	1.40E-08	4.89E-09	1.09E-04	1.72E-08	5.98E-09	9.56E-05	1.51E-08	5.25E-09
2532	497464.44, 3858351.52	8.88E-05	1.40E-08	4.87E-09	1.09E-04	1.71E-08	5.97E-09	9.53E-05	1.50E-08	5.23E-09
2533	497514.44, 3858351.52	8.83E-05	1.39E-08	4.85E-09	1.08E-04	1.70E-08	5.93E-09	9.48E-05	1.49E-08	5.20E-09
2534	497564.44, 3858351.52	8.71E-05	1.37E-08	4.78E-09	1.07E-04	1.68E-08	5.85E-09	9.35E-05	1.47E-08	5.13E-09
2535	497614.44, 3858351.52	8.68E-05	1.37E-08	4.76E-09	1.06E-04	1.67E-08	5.83E-09	9.32E-05	1.47E-08	5.11E-09
2536	497364.44, 3858401.52	8.87E-05	1.40E-08	4.87E-09	1.09E-04	1.71E-08	5.96E-09	9.52E-05	1.50E-08	5.22E-09
2537	497414.44, 3858401.52	8.86E-05	1.39E-08	4.86E-09	1.08E-04	1.71E-08	5.95E-09	9.51E-05	1.50E-08	5.22E-09
2538	497464.44, 3858401.52	8.79E-05	1.38E-08	4.82E-09	1.08E-04	1.70E-08	5.91E-09	9.43E-05	1.49E-08	5.18E-09

2539	497514.44, 3858401.52	8.75E-05	1.38E-08	4.80E-09	1.07E-04	1.69E-08	5.88E-09	9.40E-05	1.48E-08	5.16E-09
2540	497564.44, 3858401.52	8.84E-05	1.39E-08	4.85E-09	1.08E-04	1.71E-08	5.94E-09	9.49E-05	1.50E-08	5.21E-09
2541	497614.44, 3858401.52	8.93E-05	1.41E-08	4.90E-09	1.09E-04	1.72E-08	6.01E-09	9.59E-05	1.51E-08	5.26E-09
2542	493478.11, 3860497.94	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.96E-09	1.11E-04	1.75E-08	6.10E-09
2543	493528.11, 3860497.94	1.03E-04	1.63E-08	5.68E-09	1.27E-04	2.00E-08	6.96E-09	1.11E-04	1.75E-08	6.10E-09
2544	493478.11, 3860547.94	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.79E-09	1.08E-04	1.71E-08	5.95E-09
2545	493528.11, 3860547.94	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.78E-09	1.08E-04	1.71E-08	5.94E-09
2546	493478.11, 3860597.94	9.85E-05	1.55E-08	5.40E-09	1.21E-04	1.90E-08	6.62E-09	1.06E-04	1.67E-08	5.80E-09
2547	493528.11, 3860597.94	9.84E-05	1.55E-08	5.40E-09	1.20E-04	1.90E-08	6.61E-09	1.06E-04	1.66E-08	5.80E-09
2548	493561.88, 3860524.64	1.02E-04	1.61E-08	5.60E-09	1.25E-04	1.97E-08	6.86E-09	1.10E-04	1.73E-08	6.01E-09
2549	493591.88, 3860524.64	1.02E-04	1.61E-08	5.60E-09	1.25E-04	1.97E-08	6.86E-09	1.10E-04	1.73E-08	6.01E-09
2550	493561.88, 3860554.64	1.00E-04	1.58E-08	5.52E-09	1.23E-04	1.94E-08	6.75E-09	1.08E-04	1.70E-08	5.92E-09
2551	493591.88, 3860554.64	1.01E-04	1.58E-08	5.52E-09	1.23E-04	1.94E-08	6.76E-09	1.08E-04	1.70E-08	5.93E-09
2552	492880.5, 3860293.11	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.73E-09	1.24E-04	1.95E-08	6.78E-09
2553	492930.5, 3860293.11	1.15E-04	1.81E-08	6.32E-09	1.41E-04	2.22E-08	7.74E-09	1.24E-04	1.95E-08	6.79E-09
2554	492980.5, 3860293.11	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.23E-08	7.75E-09	1.24E-04	1.95E-08	6.80E-09
2555	493030.5, 3860293.11	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.80E-09	1.25E-04	1.96E-08	6.83E-09
2556	493080.5, 3860293.11	1.16E-04	1.83E-08	6.39E-09	1.43E-04	2.25E-08	7.83E-09	1.25E-04	1.97E-08	6.86E-09
2557	493130.5, 3860293.11	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.80E-09	1.25E-04	1.96E-08	6.84E-09
2558	493180.5, 3860293.11	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.96E-08	6.81E-09
2559	493230.5, 3860293.11	1.15E-04	1.82E-08	6.34E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
2560	493280.5, 3860293.11	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.96E-08	6.81E-09
2561	493330.5, 3860293.11	1.16E-04	1.82E-08	6.34E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.95E-08	6.81E-09
2562	493380.5, 3860293.11	1.15E-04	1.82E-08	6.34E-09	1.41E-04	2.23E-08	7.76E-09	1.24E-04	1.95E-08	6.80E-09
2563	492880.5, 3860343.11	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.59E-09
2564	492930.5, 3860343.11	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.52E-09	1.20E-04	1.89E-08	6.60E-09
2565	492980.5, 3860343.11	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.17E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
2566	493030.5, 3860343.11	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.17E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
2567	493080.5, 3860343.11	1.13E-04	1.79E-08	6.22E-09	1.39E-04	2.19E-08	7.62E-09	1.22E-04	1.92E-08	6.68E-09
2568	493130.5, 3860343.11	1.13E-04	1.78E-08	6.21E-09	1.39E-04	2.18E-08	7.61E-09	1.21E-04	1.91E-08	6.67E-09
2569	493180.5, 3860343.11	1.13E-04	1.77E-08	6.18E-09	1.38E-04	2.17E-08	7.57E-09	1.21E-04	1.90E-08	6.63E-09
2570	493230.5, 3860343.11	1.12E-04	1.77E-08	6.17E-09	1.38E-04	2.17E-08	7.56E-09	1.21E-04	1.90E-08	6.63E-09
2571	493280.5, 3860343.11	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.18E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
2572	493330.5, 3860343.11	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.18E-08	7.58E-09	1.21E-04	1.91E-08	6.65E-09
2573	493380.5, 3860343.11	1.13E-04	1.78E-08	6.19E-09	1.38E-04	2.17E-08	7.58E-09	1.21E-04	1.91E-08	6.64E-09
2574	492880.5, 3860393.11	1.09E-04	1.71E-08	5.96E-09	1.33E-04	2.10E-08	7.30E-09	1.17E-04	1.84E-08	6.40E-09
2575	492930.5, 3860393.11	1.09E-04	1.72E-08	5.98E-09	1.33E-04	2.10E-08	7.32E-09	1.17E-04	1.84E-08	6.42E-09
2576	492980.5, 3860393.11	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
2577	493030.5, 3860393.11	1.10E-04	1.73E-08	6.02E-09	1.34E-04	2.12E-08	7.37E-09	1.18E-04	1.85E-08	6.46E-09
2578	493080.5, 3860393.11	1.10E-04	1.74E-08	6.05E-09	1.35E-04	2.13E-08	7.41E-09	1.18E-04	1.87E-08	6.50E-09
2579	493130.5, 3860393.11	1.10E-04	1.73E-08	6.04E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.48E-09
2580	493180.5, 3860393.11	1.10E-04	1.73E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.45E-09
2581	493230.5, 3860393.11	1.10E-04	1.73E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.46E-09
2582	493280.5, 3860393.11	1.10E-04	1.73E-08	6.03E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.47E-09
2583	493330.5, 3860393.11	1.10E-04	1.73E-08	6.04E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.48E-09
2584	493380.5, 3860393.11	1.10E-04	1.73E-08	6.04E-09	1.35E-04	2.12E-08	7.39E-09	1.18E-04	1.86E-08	6.48E-09
2585	492880.5, 3860443.11	1.06E-04	1.66E-08	5.80E-09	1.29E-04	2.04E-08	7.10E-09	1.13E-04	1.79E-08	6.23E-09
2586	492930.5, 3860443.11	1.06E-04	1.67E-08	5.80E-09	1.30E-04	2.04E-08	7.11E-09	1.14E-04	1.79E-08	6.23E-09
2587	492980.5, 3860443.11	1.06E-04	1.67E-08	5.82E-09	1.30E-04	2.05E-08	7.13E-09	1.14E-04	1.79E-08	6.25E-09
2588	493030.5, 3860443.11	1.07E-04	1.68E-08	5.85E-09	1.30E-04	2.05E-08	7.16E-09	1.14E-04	1.80E-08	6.27E-09
2589	493080.5, 3860443.11	1.07E-04	1.68E-08	5.85E-09	1.31E-04	2.06E-08	7.17E-09	1.14E-04	1.80E-08	6.28E-09
2590	493130.5, 3860443.11	1.07E-04	1.68E-08	5.86E-09	1.31E-04	2.06E-08	7.17E-09	1.15E-04	1.81E-08	6.29E-09
2591	493180.5, 3860443.11	1.06E-04	1.68E-08	5.84E-09	1.30E-04	2.05E-08	7.15E-09	1.14E-04	1.80E-08	6.27E-09
2592	493230.5, 3860443.11	1.07E-04	1.68E-08	5.86E-09	1.31E-04	2.06E-08	7.18E-09	1.15E-04	1.81E-08	6.29E-09
2593	493280.5, 3860443.11	1.07E-04	1.69E-08	5.87E-09	1.31E-04	2.06E-08	7.19E-09	1.15E-04	1.81E-08	6.30E-09
2594	493330.5, 3860443.11	1.07E-04	1.69E-08	5.89E-09	1.31E-04	2.07E-08	7.21E-09	1.15E-04	1.81E-08	6.32E-09
2595	493380.5, 3860443.11	1.07E-04	1.69E-08	5.88E-09	1.31E-04	2.07E-08	7.20E-09	1.15E-04	1.81E-08	6.31E-09
2596	493180.5, 3860493.11	1.04E-04	1.63E-08	5.69E-09	1.27E-04	2.00E-08	6.97E-09	1.11E-04	1.75E-08	6.11E-09
2597	493230.5, 3860493.11	1.04E-04	1.64E-08	5.71E-09	1.27E-04	2.01E-08	6.99E-09	1.12E-04	1.76E-08	6.12E-09
2598	493280.5, 3860493.11	1.04E-04	1.64E-08	5.72E-09	1.28E-04	2.01E-08	7.00E-09	1.12E-04	1.76E-08	6.14E-09
2599	493330.5, 3860493.11	1.04E-04	1.64E-08	5.73E-09	1.28E-04	2.01E-08	7.01E-09	1.12E-04	1.76E-08	6.15E-09
2600	493380.5, 3860493.11	1.04E-04	1.64E-08	5.72E-09	1.28E-04	2.01E-08	7.01E-09	1.12E-04	1.76E-08	6.14E-09

2601	493330.5, 3860543.11	1.02E-04	1.60E-08	5.58E-09	1.24E-04	1.96E-08	6.83E-09	1.09E-04	1.72E-08	5.99E-09
2602	493380.5, 3860543.11	1.02E-04	1.60E-08	5.57E-09	1.24E-04	1.96E-08	6.82E-09	1.09E-04	1.72E-08	5.98E-09
2603	494135.94, 3860876.85	8.59E-05	1.35E-08	4.71E-09	1.05E-04	1.66E-08	5.77E-09	9.22E-05	1.45E-08	5.06E-09
2604	494185.94, 3860876.85	8.59E-05	1.35E-08	4.71E-09	1.05E-04	1.66E-08	5.77E-09	9.22E-05	1.45E-08	5.06E-09
2605	494135.94, 3860926.85	8.38E-05	1.32E-08	4.60E-09	1.03E-04	1.62E-08	5.63E-09	8.99E-05	1.42E-08	4.94E-09
2606	494185.94, 3860926.85	8.39E-05	1.32E-08	4.60E-09	1.03E-04	1.62E-08	5.64E-09	9.00E-05	1.42E-08	4.94E-09
2607	494135.94, 3860976.85	8.18E-05	1.29E-08	4.49E-09	1.00E-04	1.58E-08	5.50E-09	8.78E-05	1.38E-08	4.82E-09
2608	494185.94, 3860976.85	8.19E-05	1.29E-08	4.49E-09	1.00E-04	1.58E-08	5.50E-09	8.79E-05	1.38E-08	4.82E-09
2609	494135.94, 3861026.85	7.98E-05	1.26E-08	4.38E-09	9.78E-05	1.54E-08	5.36E-09	8.57E-05	1.35E-08	4.70E-09
2610	494185.94, 3861026.85	7.99E-05	1.26E-08	4.39E-09	9.79E-05	1.54E-08	5.37E-09	8.58E-05	1.35E-08	4.71E-09
2611	494135.94, 3861076.85	7.79E-05	1.23E-08	4.28E-09	9.54E-05	1.50E-08	5.24E-09	8.36E-05	1.32E-08	4.59E-09
2612	494185.94, 3861076.85	7.80E-05	1.23E-08	4.28E-09	9.55E-05	1.50E-08	5.24E-09	8.37E-05	1.32E-08	4.60E-09
2613	490360.04, 3858710.04	4.22E-04	6.65E-08	2.32E-08	5.17E-04	8.15E-08	2.84E-08	4.54E-04	7.15E-08	2.49E-08
2614	490410.04, 3858710.04	4.15E-04	6.54E-08	2.28E-08	5.08E-04	8.01E-08	2.79E-08	4.46E-04	7.02E-08	2.45E-08
2615	490460.04, 3858710.04	4.07E-04	6.41E-08	2.23E-08	4.99E-04	7.86E-08	2.74E-08	4.38E-04	6.89E-08	2.40E-08
2616	490510.04, 3858710.04	4.00E-04	6.31E-08	2.20E-08	4.90E-04	7.72E-08	2.69E-08	4.30E-04	6.78E-08	2.36E-08
2617	490560.04, 3858710.04	3.94E-04	6.20E-08	2.16E-08	4.82E-04	7.60E-08	2.65E-08	4.23E-04	6.67E-08	2.32E-08
2618	490610.04, 3858710.04	3.88E-04	6.10E-08	2.13E-08	4.75E-04	7.48E-08	2.61E-08	4.16E-04	6.56E-08	2.29E-08
2619	490660.04, 3858710.04	3.82E-04	6.02E-08	2.10E-08	4.68E-04	7.37E-08	2.57E-08	4.10E-04	6.47E-08	2.25E-08
2620	490710.04, 3858710.04	3.76E-04	5.92E-08	2.06E-08	4.60E-04	7.25E-08	2.53E-08	4.04E-04	6.36E-08	2.22E-08
2621	490760.04, 3858710.04	3.70E-04	5.83E-08	2.03E-08	4.53E-04	7.14E-08	2.49E-08	3.97E-04	6.26E-08	2.18E-08
2622	490810.04, 3858710.04	3.64E-04	5.74E-08	2.00E-08	4.46E-04	7.03E-08	2.45E-08	3.91E-04	6.16E-08	2.15E-08
2623	490860.04, 3858710.04	3.58E-04	5.64E-08	1.97E-08	4.39E-04	6.91E-08	2.41E-08	3.85E-04	6.06E-08	2.11E-08
2624	490360.04, 3858760.04	4.08E-04	6.42E-08	2.24E-08	4.99E-04	7.87E-08	2.74E-08	4.38E-04	6.90E-08	2.41E-08
2625	490410.04, 3858760.04	4.01E-04	6.31E-08	2.20E-08	4.91E-04	7.73E-08	2.69E-08	4.31E-04	6.78E-08	2.36E-08
2626	490460.04, 3858760.04	3.94E-04	6.20E-08	2.16E-08	4.82E-04	7.59E-08	2.65E-08	4.23E-04	6.66E-08	2.32E-08
2627	490510.04, 3858760.04	3.87E-04	6.09E-08	2.12E-08	4.74E-04	7.46E-08	2.60E-08	4.15E-04	6.55E-08	2.28E-08
2628	490560.04, 3858760.04	3.80E-04	5.99E-08	2.09E-08	4.66E-04	7.34E-08	2.56E-08	4.09E-04	6.44E-08	2.24E-08
2629	490610.04, 3858760.04	3.74E-04	5.89E-08	2.05E-08	4.58E-04	7.22E-08	2.51E-08	4.02E-04	6.33E-08	2.21E-08
2630	490660.04, 3858760.04	3.68E-04	5.80E-08	2.02E-08	4.51E-04	7.11E-08	2.48E-08	3.96E-04	6.23E-08	2.17E-08
2631	490710.04, 3858760.04	3.63E-04	5.71E-08	1.99E-08	4.44E-04	7.00E-08	2.44E-08	3.89E-04	6.14E-08	2.14E-08
2632	490760.04, 3858760.04	3.57E-04	5.62E-08	1.96E-08	4.37E-04	6.88E-08	2.40E-08	3.83E-04	6.04E-08	2.10E-08
2633	490810.04, 3858760.04	3.51E-04	5.53E-08	1.93E-08	4.30E-04	6.77E-08	2.36E-08	3.77E-04	5.94E-08	2.07E-08
2634	490860.04, 3858760.04	3.46E-04	5.45E-08	1.90E-08	4.24E-04	6.68E-08	2.33E-08	3.72E-04	5.85E-08	2.04E-08
2635	490360.04, 3858810.04	3.92E-04	6.18E-08	2.15E-08	4.81E-04	7.57E-08	2.64E-08	4.22E-04	6.64E-08	2.31E-08
2636	490410.04, 3858810.04	3.86E-04	6.07E-08	2.12E-08	4.72E-04	7.44E-08	2.59E-08	4.14E-04	6.53E-08	2.27E-08
2637	490460.04, 3858810.04	3.79E-04	5.97E-08	2.08E-08	4.64E-04	7.31E-08	2.55E-08	4.07E-04	6.41E-08	2.23E-08
2638	490510.04, 3858810.04	3.73E-04	5.87E-08	2.05E-08	4.57E-04	7.20E-08	2.51E-08	4.01E-04	6.31E-08	2.20E-08
2639	490560.04, 3858810.04	3.67E-04	5.78E-08	2.01E-08	4.50E-04	7.08E-08	2.47E-08	3.94E-04	6.21E-08	2.16E-08
2640	490610.04, 3858810.04	3.61E-04	5.68E-08	1.98E-08	4.42E-04	6.96E-08	2.42E-08	3.88E-04	6.11E-08	2.13E-08
2641	490660.04, 3858810.04	3.55E-04	5.59E-08	1.95E-08	4.35E-04	6.85E-08	2.39E-08	3.81E-04	6.01E-08	2.09E-08
2642	490710.04, 3858810.04	3.49E-04	5.50E-08	1.92E-08	4.28E-04	6.74E-08	2.35E-08	3.75E-04	5.91E-08	2.06E-08
2643	490760.04, 3858810.04	3.43E-04	5.41E-08	1.88E-08	4.20E-04	6.62E-08	2.31E-08	3.69E-04	5.81E-08	2.02E-08
2644	490810.04, 3858810.04	3.39E-04	5.34E-08	1.86E-08	4.15E-04	6.54E-08	2.28E-08	3.64E-04	5.73E-08	2.00E-08
2645	490860.04, 3858810.04	3.33E-04	5.25E-08	1.83E-08	4.08E-04	6.44E-08	2.24E-08	3.58E-04	5.64E-08	1.97E-08
2646	490360.04, 3858860.04	3.76E-04	5.92E-08	2.06E-08	4.61E-04	7.26E-08	2.53E-08	4.04E-04	6.37E-08	2.22E-08
2647	490410.04, 3858860.04	3.70E-04	5.83E-08	2.03E-08	4.54E-04	7.15E-08	2.49E-08	3.98E-04	6.27E-08	2.18E-08
2648	490460.04, 3858860.04	3.64E-04	5.73E-08	2.00E-08	4.46E-04	7.02E-08	2.45E-08	3.91E-04	6.16E-08	2.15E-08
2649	490510.04, 3858860.04	3.59E-04	5.65E-08	1.97E-08	4.40E-04	6.93E-08	2.41E-08	3.86E-04	6.08E-08	2.12E-08
2650	490560.04, 3858860.04	3.53E-04	5.56E-08	1.94E-08	4.33E-04	6.81E-08	2.37E-08	3.79E-04	5.98E-08	2.08E-08
2651	490610.04, 3858860.04	3.47E-04	5.46E-08	1.90E-08	4.25E-04	6.69E-08	2.33E-08	3.73E-04	5.87E-08	2.04E-08
2652	490660.04, 3858860.04	3.42E-04	5.38E-08	1.87E-08	4.18E-04	6.59E-08	2.30E-08	3.67E-04	5.78E-08	2.01E-08
2653	490710.04, 3858860.04	3.37E-04	5.31E-08	1.85E-08	4.13E-04	6.50E-08	2.26E-08	3.62E-04	5.70E-08	1.99E-08
2654	490760.04, 3858860.04	3.31E-04	5.22E-08	1.82E-08	4.06E-04	6.39E-08	2.23E-08	3.56E-04	5.61E-08	1.95E-08
2655	490810.04, 3858860.04	3.26E-04	5.13E-08	1.79E-08	3.99E-04	6.29E-08	2.19E-08	3.50E-04	5.51E-08	1.92E-08
2656	490860.04, 3858860.04	3.21E-04	5.05E-08	1.76E-08	3.93E-04	6.18E-08	2.15E-08	3.44E-04	5.42E-08	1.89E-08
2657	490360.04, 3858910.04	3.61E-04	5.68E-08	1.98E-08	4.42E-04	6.96E-08	2.43E-08	3.88E-04	6.11E-08	2.13E-08
2658	490410.04, 3858910.04	3.55E-04	5.60E-08	1.95E-08	4.35E-04	6.85E-08	2.39E-08	3.82E-04	6.01E-08	2.10E-08
2659	490460.04, 3858910.04	3.50E-04	5.51E-08	1.92E-08	4.28E-04	6.75E-08	2.35E-08	3.76E-04	5.92E-08	2.06E-08
2660	490510.04, 3858910.04	3.44E-04	5.42E-08	1.89E-08	4.22E-04	6.64E-08	2.31E-08	3.70E-04	5.83E-08	2.03E-08
2661	490560.04, 3858910.04	3.39E-04	5.34E-08	1.86E-08	4.15E-04	6.54E-08	2.28E-08	3.64E-04	5.73E-08	2.00E-08
2662	490610.04, 3858910.04	3.33E-04	5.25E-08	1.83E-08	4.08E-04	6.43E-08	2.24E-08	3.58E-04	5.64E-08	1.96E-08

2663	490660.04, 3858910.04	3.28E-04	5.17E-08	1.80E-08	4.02E-04	6.33E-08	2.21E-08	3.53E-04	5.55E-08	1.94E-08
2664	490710.04, 3858910.04	3.23E-04	5.09E-08	1.77E-08	3.96E-04	6.23E-08	2.17E-08	3.47E-04	5.47E-08	1.90E-08
2665	490760.04, 3858910.04	3.18E-04	5.00E-08	1.74E-08	3.89E-04	6.13E-08	2.14E-08	3.41E-04	5.37E-08	1.87E-08
2666	490810.04, 3858910.04	3.13E-04	4.93E-08	1.72E-08	3.83E-04	6.04E-08	2.10E-08	3.36E-04	5.30E-08	1.85E-08
2667	490860.04, 3858910.04	3.08E-04	4.85E-08	1.69E-08	3.77E-04	5.94E-08	2.07E-08	3.30E-04	5.21E-08	1.81E-08
2668	490360.04, 3858960.04	3.45E-04	5.43E-08	1.89E-08	4.22E-04	6.65E-08	2.32E-08	3.70E-04	5.84E-08	2.03E-08
2669	490410.04, 3858960.04	3.40E-04	5.35E-08	1.86E-08	4.16E-04	6.55E-08	2.28E-08	3.65E-04	5.75E-08	2.00E-08
2670	490460.04, 3858960.04	3.34E-04	5.27E-08	1.83E-08	4.09E-04	6.45E-08	2.25E-08	3.59E-04	5.66E-08	1.97E-08
2671	490510.04, 3858960.04	3.29E-04	5.19E-08	1.81E-08	4.03E-04	6.35E-08	2.21E-08	3.54E-04	5.57E-08	1.94E-08
2672	490560.04, 3858960.04	3.24E-04	5.11E-08	1.78E-08	3.97E-04	6.26E-08	2.18E-08	3.49E-04	5.49E-08	1.91E-08
2673	490610.04, 3858960.04	3.19E-04	5.02E-08	1.75E-08	3.91E-04	6.15E-08	2.14E-08	3.43E-04	5.40E-08	1.88E-08
2674	490660.04, 3858960.04	3.15E-04	4.96E-08	1.73E-08	3.86E-04	6.08E-08	2.12E-08	3.38E-04	5.33E-08	1.86E-08
2675	490710.04, 3858960.04	3.10E-04	4.88E-08	1.70E-08	3.80E-04	5.98E-08	2.08E-08	3.33E-04	5.24E-08	1.83E-08
2676	490760.04, 3858960.04	3.05E-04	4.80E-08	1.67E-08	3.74E-04	5.89E-08	2.05E-08	3.28E-04	5.16E-08	1.80E-08
2677	490810.04, 3858960.04	3.00E-04	4.73E-08	1.65E-08	3.68E-04	5.79E-08	2.02E-08	3.22E-04	5.08E-08	1.77E-08
2678	490860.04, 3858960.04	2.95E-04	4.65E-08	1.62E-08	3.61E-04	5.69E-08	1.98E-08	3.17E-04	4.99E-08	1.74E-08
2679	490360.04, 3859010.04	3.29E-04	5.18E-08	1.80E-08	4.03E-04	6.34E-08	2.21E-08	3.53E-04	5.57E-08	1.94E-08
2680	490410.04, 3859010.04	3.24E-04	5.10E-08	1.78E-08	3.97E-04	6.25E-08	2.18E-08	3.48E-04	5.48E-08	1.91E-08
2681	490460.04, 3859010.04	3.19E-04	5.02E-08	1.75E-08	3.90E-04	6.15E-08	2.14E-08	3.42E-04	5.39E-08	1.88E-08
2682	490510.04, 3859010.04	3.13E-04	4.94E-08	1.72E-08	3.84E-04	6.05E-08	2.11E-08	3.37E-04	5.31E-08	1.85E-08
2683	490560.04, 3859010.04	3.10E-04	4.88E-08	1.70E-08	3.79E-04	5.98E-08	2.08E-08	3.33E-04	5.24E-08	1.83E-08
2684	490610.04, 3859010.04	3.05E-04	4.80E-08	1.67E-08	3.73E-04	5.88E-08	2.05E-08	3.27E-04	5.16E-08	1.80E-08
2685	490660.04, 3859010.04	3.01E-04	4.75E-08	1.65E-08	3.69E-04	5.82E-08	2.03E-08	3.24E-04	5.10E-08	1.78E-08
2686	490710.04, 3859010.04	2.96E-04	4.67E-08	1.63E-08	3.63E-04	5.72E-08	1.99E-08	3.18E-04	5.02E-08	1.75E-08
2687	490760.04, 3859010.04	2.92E-04	4.60E-08	1.60E-08	3.57E-04	5.63E-08	1.96E-08	3.13E-04	4.94E-08	1.72E-08
2688	490810.04, 3859010.04	2.87E-04	4.52E-08	1.58E-08	3.52E-04	5.54E-08	1.93E-08	3.08E-04	4.86E-08	1.69E-08
2689	490860.04, 3859010.04	2.83E-04	4.45E-08	1.55E-08	3.46E-04	5.45E-08	1.90E-08	3.04E-04	4.78E-08	1.67E-08
2690	490360.04, 3859060.04	3.13E-04	4.93E-08	1.72E-08	3.83E-04	6.04E-08	2.10E-08	3.36E-04	5.30E-08	1.85E-08
2691	490410.04, 3859060.04	3.08E-04	4.85E-08	1.69E-08	3.77E-04	5.94E-08	2.07E-08	3.31E-04	5.21E-08	1.82E-08
2692	490460.04, 3859060.04	3.03E-04	4.78E-08	1.66E-08	3.71E-04	5.85E-08	2.04E-08	3.26E-04	5.13E-08	1.79E-08
2693	490510.04, 3859060.04	2.99E-04	4.71E-08	1.64E-08	3.66E-04	5.77E-08	2.01E-08	3.21E-04	5.06E-08	1.76E-08
2694	490560.04, 3859060.04	2.94E-04	4.64E-08	1.62E-08	3.61E-04	5.68E-08	1.98E-08	3.16E-04	4.98E-08	1.74E-08
2695	490610.04, 3859060.04	2.91E-04	4.58E-08	1.60E-08	3.56E-04	5.61E-08	1.96E-08	3.12E-04	4.92E-08	1.71E-08
2696	490660.04, 3859060.04	2.87E-04	4.53E-08	1.58E-08	3.52E-04	5.55E-08	1.93E-08	3.09E-04	4.86E-08	1.69E-08
2697	490710.04, 3859060.04	2.83E-04	4.45E-08	1.55E-08	3.46E-04	5.46E-08	1.90E-08	3.04E-04	4.78E-08	1.67E-08
2698	490760.04, 3859060.04	2.78E-04	4.39E-08	1.53E-08	3.41E-04	5.37E-08	1.87E-08	2.99E-04	4.71E-08	1.64E-08
2699	490810.04, 3859060.04	2.74E-04	4.32E-08	1.50E-08	3.36E-04	5.29E-08	1.84E-08	2.94E-04	4.63E-08	1.61E-08
2700	490860.04, 3859060.04	2.70E-04	4.25E-08	1.48E-08	3.30E-04	5.21E-08	1.81E-08	2.90E-04	4.56E-08	1.59E-08
2701	490360.04, 3859110.04	2.98E-04	4.69E-08	1.63E-08	3.65E-04	5.74E-08	2.00E-08	3.20E-04	5.04E-08	1.76E-08
2702	490410.04, 3859110.04	2.93E-04	4.62E-08	1.61E-08	3.59E-04	5.66E-08	1.97E-08	3.15E-04	4.96E-08	1.73E-08
2703	490460.04, 3859110.04	2.90E-04	4.56E-08	1.59E-08	3.55E-04	5.59E-08	1.95E-08	3.11E-04	4.90E-08	1.71E-08
2704	490510.04, 3859110.04	2.84E-04	4.48E-08	1.56E-08	3.48E-04	5.49E-08	1.91E-08	3.05E-04	4.81E-08	1.68E-08
2705	490560.04, 3859110.04	2.80E-04	4.42E-08	1.54E-08	3.44E-04	5.41E-08	1.89E-08	3.01E-04	4.75E-08	1.65E-08
2706	490610.04, 3859110.04	2.76E-04	4.35E-08	1.52E-08	3.38E-04	5.33E-08	1.86E-08	2.97E-04	4.68E-08	1.63E-08
2707	490660.04, 3859110.04	2.72E-04	4.28E-08	1.49E-08	3.33E-04	5.25E-08	1.83E-08	2.92E-04	4.60E-08	1.60E-08
2708	490710.04, 3859110.04	2.69E-04	4.23E-08	1.47E-08	3.29E-04	5.18E-08	1.81E-08	2.89E-04	4.55E-08	1.58E-08
2709	490760.04, 3859110.04	2.65E-04	4.17E-08	1.45E-08	3.25E-04	5.11E-08	1.78E-08	2.85E-04	4.48E-08	1.56E-08
2710	490810.04, 3859110.04	2.61E-04	4.10E-08	1.43E-08	3.19E-04	5.03E-08	1.75E-08	2.80E-04	4.41E-08	1.54E-08
2711	490860.04, 3859110.04	2.56E-04	4.04E-08	1.41E-08	3.14E-04	4.95E-08	1.72E-08	2.75E-04	4.34E-08	1.51E-08
2712	490360.04, 3859160.04	2.83E-04	4.46E-08	1.55E-08	3.47E-04	5.46E-08	1.90E-08	3.04E-04	4.79E-08	1.67E-08
2713	490410.04, 3859160.04	2.79E-04	4.40E-08	1.53E-08	3.42E-04	5.39E-08	1.88E-08	3.00E-04	4.73E-08	1.65E-08
2714	490460.04, 3859160.04	2.76E-04	4.35E-08	1.51E-08	3.38E-04	5.32E-08	1.85E-08	2.96E-04	4.67E-08	1.63E-08
2715	490510.04, 3859160.04	2.72E-04	4.29E-08	1.49E-08	3.33E-04	5.25E-08	1.83E-08	2.92E-04	4.61E-08	1.60E-08
2716	490560.04, 3859160.04	2.68E-04	4.22E-08	1.47E-08	3.28E-04	5.17E-08	1.80E-08	2.88E-04	4.53E-08	1.58E-08
2717	490610.04, 3859160.04	2.64E-04	4.17E-08	1.45E-08	3.24E-04	5.10E-08	1.78E-08	2.84E-04	4.47E-08	1.56E-08
2718	490660.04, 3859160.04	2.58E-04	4.07E-08	1.42E-08	3.16E-04	4.98E-08	1.74E-08	2.77E-04	4.37E-08	1.52E-08
2719	490710.04, 3859160.04	2.55E-04	4.02E-08	1.40E-08	3.13E-04	4.93E-08	1.72E-08	2.74E-04	4.32E-08	1.50E-08
2720	490760.04, 3859160.04	2.50E-04	3.95E-08	1.37E-08	3.07E-04	4.83E-08	1.68E-08	2.69E-04	4.24E-08	1.48E-08
2721	490810.04, 3859160.04	2.47E-04	3.90E-08	1.36E-08	3.03E-04	4.78E-08	1.66E-08	2.66E-04	4.19E-08	1.46E-08
2722	490860.04, 3859160.04	2.44E-04	3.85E-08	1.34E-08	2.99E-04	4.71E-08	1.64E-08	2.62E-04	4.13E-08	1.44E-08
2723	490360.04, 3859210.04	2.69E-04	4.24E-08	1.48E-08	3.29E-04	5.19E-08	1.81E-08	2.89E-04	4.55E-08	1.59E-08
2724	490410.04, 3859210.04	2.67E-04	4.20E-08	1.46E-08	3.27E-04	5.15E-08	1.79E-08	2.87E-04	4.52E-08	1.57E-08

2725	490460.04, 3859210.04	2.63E-04	4.14E-08	1.44E-08	3.22E-04	5.07E-08	1.77E-08	2.82E-04	4.45E-08	1.55E-08
2726	490510.04, 3859210.04	2.59E-04	4.08E-08	1.42E-08	3.18E-04	5.00E-08	1.74E-08	2.79E-04	4.39E-08	1.53E-08
2727	490560.04, 3859210.04	2.57E-04	4.04E-08	1.41E-08	3.14E-04	4.95E-08	1.72E-08	2.76E-04	4.34E-08	1.51E-08
2728	490610.04, 3859210.04	2.53E-04	3.99E-08	1.39E-08	3.10E-04	4.88E-08	1.70E-08	2.72E-04	4.28E-08	1.49E-08
2729	490660.04, 3859210.04	2.48E-04	3.91E-08	1.36E-08	3.04E-04	4.78E-08	1.67E-08	2.66E-04	4.19E-08	1.46E-08
2730	490710.04, 3859210.04	2.45E-04	3.85E-08	1.34E-08	3.00E-04	4.72E-08	1.64E-08	2.63E-04	4.14E-08	1.44E-08
2731	490760.04, 3859210.04	2.40E-04	3.78E-08	1.32E-08	2.94E-04	4.63E-08	1.61E-08	2.58E-04	4.06E-08	1.41E-08
2732	490810.04, 3859210.04	2.39E-04	3.76E-08	1.31E-08	2.93E-04	4.61E-08	1.61E-08	2.57E-04	4.04E-08	1.41E-08
2733	490860.04, 3859210.04	2.37E-04	3.74E-08	1.30E-08	2.91E-04	4.58E-08	1.60E-08	2.55E-04	4.02E-08	1.40E-08
2734	490360.04, 3859260.04	2.55E-04	4.02E-08	1.40E-08	3.13E-04	4.93E-08	1.72E-08	2.75E-04	4.33E-08	1.51E-08
2735	490410.04, 3859260.04	2.53E-04	3.99E-08	1.39E-08	3.10E-04	4.89E-08	1.70E-08	2.72E-04	4.29E-08	1.49E-08
2736	490460.04, 3859260.04	2.51E-04	3.96E-08	1.38E-08	3.08E-04	4.85E-08	1.69E-08	2.70E-04	4.26E-08	1.48E-08
2737	490510.04, 3859260.04	2.50E-04	3.93E-08	1.37E-08	3.06E-04	4.81E-08	1.68E-08	2.68E-04	4.22E-08	1.47E-08
2738	490560.04, 3859260.04	2.47E-04	3.89E-08	1.35E-08	3.02E-04	4.76E-08	1.66E-08	2.65E-04	4.18E-08	1.45E-08
2739	490610.04, 3859260.04	2.43E-04	3.83E-08	1.33E-08	2.97E-04	4.69E-08	1.63E-08	2.61E-04	4.11E-08	1.43E-08
2740	490660.04, 3859260.04	2.42E-04	3.80E-08	1.33E-08	2.96E-04	4.66E-08	1.62E-08	2.59E-04	4.09E-08	1.42E-08
2741	490710.04, 3859260.04	2.39E-04	3.76E-08	1.31E-08	2.93E-04	4.61E-08	1.61E-08	2.57E-04	4.04E-08	1.41E-08
2742	490760.04, 3859260.04	2.35E-04	3.70E-08	1.29E-08	2.88E-04	4.53E-08	1.58E-08	2.52E-04	3.97E-08	1.38E-08
2743	490810.04, 3859260.04	2.33E-04	3.67E-08	1.28E-08	2.86E-04	4.50E-08	1.57E-08	2.50E-04	3.94E-08	1.37E-08
2744	490860.04, 3859260.04	2.32E-04	3.65E-08	1.27E-08	2.84E-04	4.47E-08	1.56E-08	2.49E-04	3.92E-08	1.36E-08
2745	490360.04, 3859310.04	2.44E-04	3.84E-08	1.34E-08	2.98E-04	4.70E-08	1.64E-08	2.62E-04	4.12E-08	1.44E-08
2746	490410.04, 3859310.04	2.42E-04	3.81E-08	1.33E-08	2.96E-04	4.67E-08	1.63E-08	2.60E-04	4.09E-08	1.43E-08
2747	490460.04, 3859310.04	2.40E-04	3.78E-08	1.32E-08	2.94E-04	4.64E-08	1.61E-08	2.58E-04	4.07E-08	1.42E-08
2748	490510.04, 3859310.04	2.39E-04	3.76E-08	1.31E-08	2.93E-04	4.61E-08	1.61E-08	2.57E-04	4.04E-08	1.41E-08
2749	490560.04, 3859310.04	2.37E-04	3.74E-08	1.30E-08	2.91E-04	4.58E-08	1.59E-08	2.55E-04	4.02E-08	1.40E-08
2750	490610.04, 3859310.04	2.36E-04	3.72E-08	1.29E-08	2.89E-04	4.55E-08	1.59E-08	2.53E-04	3.99E-08	1.39E-08
2751	490660.04, 3859310.04	2.34E-04	3.69E-08	1.28E-08	2.87E-04	4.51E-08	1.57E-08	2.51E-04	3.96E-08	1.38E-08
2752	490710.04, 3859310.04	2.31E-04	3.63E-08	1.27E-08	2.82E-04	4.45E-08	1.55E-08	2.48E-04	3.90E-08	1.36E-08
2753	490760.04, 3859310.04	2.28E-04	3.60E-08	1.25E-08	2.80E-04	4.41E-08	1.53E-08	2.45E-04	3.86E-08	1.35E-08
2754	490810.04, 3859310.04	2.27E-04	3.57E-08	1.25E-08	2.78E-04	4.38E-08	1.52E-08	2.44E-04	3.84E-08	1.34E-08
2755	490860.04, 3859310.04	2.25E-04	3.54E-08	1.23E-08	2.75E-04	4.33E-08	1.51E-08	2.41E-04	3.80E-08	1.32E-08
2756	490360.04, 3859360.04	2.32E-04	3.66E-08	1.28E-08	2.85E-04	4.48E-08	1.56E-08	2.50E-04	3.93E-08	1.37E-08
2757	490410.04, 3859360.04	2.31E-04	3.64E-08	1.27E-08	2.83E-04	4.46E-08	1.55E-08	2.49E-04	3.91E-08	1.36E-08
2758	490460.04, 3859360.04	2.30E-04	3.63E-08	1.26E-08	2.82E-04	4.44E-08	1.55E-08	2.47E-04	3.90E-08	1.36E-08
2759	490510.04, 3859360.04	2.29E-04	3.61E-08	1.26E-08	2.81E-04	4.42E-08	1.54E-08	2.46E-04	3.88E-08	1.35E-08
2760	490560.04, 3859360.04	2.28E-04	3.59E-08	1.25E-08	2.79E-04	4.39E-08	1.53E-08	2.45E-04	3.85E-08	1.34E-08
2761	490610.04, 3859360.04	2.26E-04	3.56E-08	1.24E-08	2.77E-04	4.36E-08	1.52E-08	2.43E-04	3.83E-08	1.33E-08
2762	490660.04, 3859360.04	2.25E-04	3.54E-08	1.23E-08	2.75E-04	4.34E-08	1.51E-08	2.42E-04	3.80E-08	1.33E-08
2763	490710.04, 3859360.04	2.23E-04	3.51E-08	1.22E-08	2.73E-04	4.30E-08	1.50E-08	2.39E-04	3.77E-08	1.31E-08
2764	490760.04, 3859360.04	2.21E-04	3.48E-08	1.21E-08	2.70E-04	4.26E-08	1.48E-08	2.37E-04	3.73E-08	1.30E-08
2765	490810.04, 3859360.04	2.20E-04	3.46E-08	1.21E-08	2.69E-04	4.24E-08	1.48E-08	2.36E-04	3.72E-08	1.30E-08
2766	490860.04, 3859360.04	2.18E-04	3.44E-08	1.20E-08	2.67E-04	4.21E-08	1.47E-08	2.34E-04	3.69E-08	1.29E-08
2767	490360.04, 3859410.04	2.22E-04	3.49E-08	1.22E-08	2.71E-04	4.28E-08	1.49E-08	2.38E-04	3.75E-08	1.31E-08
2768	490410.04, 3859410.04	2.21E-04	3.48E-08	1.21E-08	2.71E-04	4.26E-08	1.48E-08	2.37E-04	3.74E-08	1.30E-08
2769	490460.04, 3859410.04	2.20E-04	3.47E-08	1.21E-08	2.70E-04	4.25E-08	1.48E-08	2.37E-04	3.73E-08	1.30E-08
2770	490510.04, 3859410.04	2.19E-04	3.45E-08	1.20E-08	2.69E-04	4.23E-08	1.47E-08	2.36E-04	3.71E-08	1.29E-08
2771	490560.04, 3859410.04	2.18E-04	3.44E-08	1.20E-08	2.68E-04	4.21E-08	1.47E-08	2.35E-04	3.70E-08	1.29E-08
2772	490610.04, 3859410.04	2.18E-04	3.43E-08	1.19E-08	2.66E-04	4.20E-08	1.46E-08	2.34E-04	3.68E-08	1.28E-08
2773	490660.04, 3859410.04	2.16E-04	3.41E-08	1.19E-08	2.65E-04	4.17E-08	1.45E-08	2.32E-04	3.66E-08	1.27E-08
2774	490710.04, 3859410.04	2.15E-04	3.38E-08	1.18E-08	2.63E-04	4.14E-08	1.44E-08	2.31E-04	3.64E-08	1.27E-08
2775	490760.04, 3859410.04	2.13E-04	3.36E-08	1.17E-08	2.61E-04	4.11E-08	1.43E-08	2.29E-04	3.60E-08	1.26E-08
2776	490810.04, 3859410.04	2.12E-04	3.34E-08	1.16E-08	2.60E-04	4.10E-08	1.43E-08	2.28E-04	3.59E-08	1.25E-08
2777	490860.04, 3859410.04	2.12E-04	3.34E-08	1.16E-08	2.59E-04	4.09E-08	1.42E-08	2.27E-04	3.58E-08	1.25E-08
2778	490360.04, 3859460.04	2.11E-04	3.33E-08	1.16E-08	2.59E-04	4.08E-08	1.42E-08	2.27E-04	3.58E-08	1.25E-08
2779	490410.04, 3859460.04	2.11E-04	3.32E-08	1.16E-08	2.58E-04	4.07E-08	1.42E-08	2.27E-04	3.57E-08	1.24E-08
2780	490460.04, 3859460.04	2.10E-04	3.31E-08	1.15E-08	2.58E-04	4.06E-08	1.41E-08	2.26E-04	3.56E-08	1.24E-08
2781	490510.04, 3859460.04	2.10E-04	3.31E-08	1.15E-08	2.57E-04	4.05E-08	1.41E-08	2.25E-04	3.55E-08	1.24E-08
2782	490560.04, 3859460.04	2.09E-04	3.30E-08	1.15E-08	2.56E-04	4.04E-08	1.41E-08	2.25E-04	3.54E-08	1.23E-08
2783	490610.04, 3859460.04	2.09E-04	3.28E-08	1.14E-08	2.55E-04	4.02E-08	1.40E-08	2.24E-04	3.53E-08	1.23E-08
2784	490660.04, 3859460.04	2.08E-04	3.27E-08	1.14E-08	2.54E-04	4.01E-08	1.40E-08	2.23E-04	3.52E-08	1.22E-08
2785	490710.04, 3859460.04	2.07E-04	3.26E-08	1.14E-08	2.53E-04	3.99E-08	1.39E-08	2.22E-04	3.50E-08	1.22E-08
2786	490760.04, 3859460.04	2.06E-04	3.25E-08	1.13E-08	2.52E-04	3.98E-08	1.38E-08	2.21E-04	3.49E-08	1.21E-08

2787	490810.04, 3859460.04	2.05E-04	3.23E-08	1.13E-08	2.51E-04	3.96E-08	1.38E-08	2.20E-04	3.47E-08	1.21E-08
2788	490860.04, 3859460.04	2.04E-04	3.22E-08	1.12E-08	2.50E-04	3.95E-08	1.37E-08	2.20E-04	3.46E-08	1.21E-08
2789	490360.04, 3859510.04	2.02E-04	3.17E-08	1.11E-08	2.47E-04	3.89E-08	1.35E-08	2.17E-04	3.41E-08	1.19E-08
2790	490410.04, 3859510.04	2.01E-04	3.17E-08	1.11E-08	2.47E-04	3.89E-08	1.35E-08	2.16E-04	3.41E-08	1.19E-08
2791	490460.04, 3859510.04	2.01E-04	3.17E-08	1.10E-08	2.46E-04	3.88E-08	1.35E-08	2.16E-04	3.41E-08	1.19E-08
2792	490510.04, 3859510.04	2.01E-04	3.16E-08	1.10E-08	2.46E-04	3.87E-08	1.35E-08	2.16E-04	3.40E-08	1.18E-08
2793	490560.04, 3859510.04	2.00E-04	3.16E-08	1.10E-08	2.45E-04	3.87E-08	1.35E-08	2.15E-04	3.39E-08	1.18E-08
2794	490610.04, 3859510.04	2.00E-04	3.15E-08	1.10E-08	2.45E-04	3.86E-08	1.34E-08	2.15E-04	3.38E-08	1.18E-08
2795	490660.04, 3859510.04	1.99E-04	3.14E-08	1.09E-08	2.44E-04	3.85E-08	1.34E-08	2.14E-04	3.38E-08	1.18E-08
2796	490710.04, 3859510.04	1.99E-04	3.13E-08	1.09E-08	2.44E-04	3.84E-08	1.34E-08	2.14E-04	3.37E-08	1.17E-08
2797	490760.04, 3859510.04	1.98E-04	3.12E-08	1.09E-08	2.43E-04	3.82E-08	1.33E-08	2.13E-04	3.35E-08	1.17E-08
2798	490810.04, 3859510.04	1.98E-04	3.11E-08	1.08E-08	2.42E-04	3.81E-08	1.33E-08	2.12E-04	3.34E-08	1.17E-08
2799	490860.04, 3859510.04	1.97E-04	3.10E-08	1.08E-08	2.41E-04	3.80E-08	1.32E-08	2.12E-04	3.33E-08	1.16E-08
2800	490360.04, 3859560.04	1.92E-04	3.03E-08	1.05E-08	2.35E-04	3.71E-08	1.29E-08	2.07E-04	3.25E-08	1.13E-08
2801	490410.04, 3859560.04	1.92E-04	3.03E-08	1.05E-08	2.35E-04	3.71E-08	1.29E-08	2.06E-04	3.25E-08	1.13E-08
2802	490460.04, 3859560.04	1.92E-04	3.03E-08	1.05E-08	2.35E-04	3.71E-08	1.29E-08	2.06E-04	3.25E-08	1.13E-08
2803	490510.04, 3859560.04	1.92E-04	3.03E-08	1.05E-08	2.35E-04	3.71E-08	1.29E-08	2.07E-04	3.25E-08	1.13E-08
2804	490560.04, 3859560.04	1.92E-04	3.02E-08	1.05E-08	2.35E-04	3.70E-08	1.29E-08	2.06E-04	3.25E-08	1.13E-08
2805	490610.04, 3859560.04	1.92E-04	3.02E-08	1.05E-08	2.35E-04	3.70E-08	1.29E-08	2.06E-04	3.24E-08	1.13E-08
2806	490660.04, 3859560.04	1.91E-04	3.02E-08	1.05E-08	2.34E-04	3.69E-08	1.29E-08	2.06E-04	3.24E-08	1.13E-08
2807	490710.04, 3859560.04	1.91E-04	3.01E-08	1.05E-08	2.34E-04	3.69E-08	1.28E-08	2.05E-04	3.23E-08	1.13E-08
2808	490760.04, 3859560.04	1.91E-04	3.00E-08	1.05E-08	2.33E-04	3.68E-08	1.28E-08	2.05E-04	3.23E-08	1.12E-08
2809	490810.04, 3859560.04	1.90E-04	2.99E-08	1.04E-08	2.33E-04	3.67E-08	1.28E-08	2.04E-04	3.22E-08	1.12E-08
2810	490860.04, 3859560.04	1.90E-04	2.99E-08	1.04E-08	2.32E-04	3.66E-08	1.27E-08	2.04E-04	3.21E-08	1.12E-08
2811	490187.25, 3859422.08	2.21E-04	3.48E-08	1.21E-08	2.71E-04	4.26E-08	1.49E-08	2.37E-04	3.74E-08	1.30E-08
2812	490237.25, 3859422.08	2.21E-04	3.47E-08	1.21E-08	2.70E-04	4.26E-08	1.48E-08	2.37E-04	3.73E-08	1.30E-08
2813	490287.25, 3859422.08	2.20E-04	3.47E-08	1.21E-08	2.70E-04	4.25E-08	1.48E-08	2.37E-04	3.73E-08	1.30E-08
2814	490337.25, 3859422.08	2.19E-04	3.46E-08	1.20E-08	2.69E-04	4.23E-08	1.48E-08	2.36E-04	3.72E-08	1.29E-08
2815	490187.25, 3859472.08	2.10E-04	3.31E-08	1.15E-08	2.57E-04	4.05E-08	1.41E-08	2.26E-04	3.56E-08	1.24E-08
2816	490237.25, 3859472.08	2.10E-04	3.30E-08	1.15E-08	2.57E-04	4.05E-08	1.41E-08	2.25E-04	3.55E-08	1.24E-08
2817	490287.25, 3859472.08	2.10E-04	3.30E-08	1.15E-08	2.57E-04	4.04E-08	1.41E-08	2.25E-04	3.55E-08	1.24E-08
2818	490337.25, 3859472.08	2.09E-04	3.30E-08	1.15E-08	2.56E-04	4.04E-08	1.41E-08	2.25E-04	3.54E-08	1.23E-08
2819	490297.07, 3859500.42	2.04E-04	3.21E-08	1.12E-08	2.50E-04	3.93E-08	1.37E-08	2.19E-04	3.45E-08	1.20E-08
2820	490327.07, 3859500.42	2.03E-04	3.21E-08	1.12E-08	2.49E-04	3.93E-08	1.37E-08	2.19E-04	3.44E-08	1.20E-08
2821	490297.07, 3859530.42	1.98E-04	3.12E-08	1.09E-08	2.42E-04	3.82E-08	1.33E-08	2.13E-04	3.35E-08	1.17E-08
2822	490327.07, 3859530.42	1.98E-04	3.11E-08	1.09E-08	2.42E-04	3.81E-08	1.33E-08	2.12E-04	3.35E-08	1.17E-08
2823	490319.73, 3859055.34	3.18E-04	5.01E-08	1.75E-08	3.90E-04	6.14E-08	2.14E-08	3.42E-04	5.39E-08	1.88E-08
2824	490319.73, 3859105.34	3.02E-04	4.76E-08	1.66E-08	3.70E-04	5.83E-08	2.03E-08	3.25E-04	5.12E-08	1.78E-08
2825	490069.73, 3859155.34	3.00E-04	4.72E-08	1.65E-08	3.67E-04	5.79E-08	2.02E-08	3.22E-04	5.08E-08	1.77E-08
2826	490119.73, 3859155.34	2.97E-04	4.68E-08	1.63E-08	3.64E-04	5.74E-08	2.00E-08	3.20E-04	5.04E-08	1.75E-08
2827	490269.73, 3859155.34	2.90E-04	4.57E-08	1.59E-08	3.55E-04	5.59E-08	1.95E-08	3.12E-04	4.91E-08	1.71E-08
2828	490319.73, 3859155.34	2.87E-04	4.52E-08	1.58E-08	3.52E-04	5.54E-08	1.93E-08	3.09E-04	4.86E-08	1.69E-08
2829	490069.73, 3859205.34	2.83E-04	4.45E-08	1.55E-08	3.46E-04	5.45E-08	1.90E-08	3.04E-04	4.79E-08	1.67E-08
2830	490119.73, 3859205.34	2.81E-04	4.42E-08	1.54E-08	3.44E-04	5.42E-08	1.89E-08	3.02E-04	4.75E-08	1.66E-08
2831	490169.73, 3859205.34	2.79E-04	4.39E-08	1.53E-08	3.41E-04	5.38E-08	1.87E-08	3.00E-04	4.72E-08	1.64E-08
2832	490219.73, 3859205.34	2.77E-04	4.36E-08	1.52E-08	3.39E-04	5.34E-08	1.86E-08	2.97E-04	4.69E-08	1.63E-08
2833	490269.73, 3859205.34	2.74E-04	4.32E-08	1.51E-08	3.36E-04	5.30E-08	1.84E-08	2.95E-04	4.65E-08	1.62E-08
2834	490319.73, 3859205.34	2.72E-04	4.29E-08	1.49E-08	3.34E-04	5.25E-08	1.83E-08	2.93E-04	4.61E-08	1.61E-08
2835	490069.73, 3859255.34	2.67E-04	4.21E-08	1.47E-08	3.27E-04	5.15E-08	1.79E-08	2.87E-04	4.52E-08	1.58E-08
2836	490119.73, 3859255.34	2.65E-04	4.18E-08	1.46E-08	3.25E-04	5.12E-08	1.78E-08	2.85E-04	4.49E-08	1.57E-08
2837	490169.73, 3859255.34	2.64E-04	4.15E-08	1.45E-08	3.23E-04	5.09E-08	1.77E-08	2.83E-04	4.46E-08	1.56E-08
2838	490219.73, 3859255.34	2.62E-04	4.13E-08	1.44E-08	3.21E-04	5.06E-08	1.76E-08	2.82E-04	4.44E-08	1.55E-08
2839	490269.73, 3859255.34	2.60E-04	4.10E-08	1.43E-08	3.19E-04	5.02E-08	1.75E-08	2.80E-04	4.41E-08	1.54E-08
2840	490319.73, 3859255.34	2.59E-04	4.08E-08	1.42E-08	3.17E-04	4.99E-08	1.74E-08	2.78E-04	4.38E-08	1.53E-08
2841	490069.73, 3859305.34	2.53E-04	3.98E-08	1.39E-08	3.09E-04	4.87E-08	1.70E-08	2.72E-04	4.28E-08	1.49E-08
2842	490119.73, 3859305.34	2.51E-04	3.96E-08	1.38E-08	3.08E-04	4.85E-08	1.69E-08	2.70E-04	4.25E-08	1.48E-08
2843	490169.73, 3859305.34	2.50E-04	3.94E-08	1.37E-08	3.06E-04	4.82E-08	1.68E-08	2.69E-04	4.23E-08	1.47E-08
2844	490219.73, 3859305.34	2.49E-04	3.92E-08	1.36E-08	3.05E-04	4.80E-08	1.67E-08	2.67E-04	4.21E-08	1.47E-08
2845	490269.73, 3859305.34	2.47E-04	3.90E-08	1.36E-08	3.03E-04	4.77E-08	1.66E-08	2.66E-04	4.19E-08	1.46E-08
2846	490319.73, 3859305.34	2.46E-04	3.87E-08	1.35E-08	3.01E-04	4.75E-08	1.65E-08	2.64E-04	4.16E-08	1.45E-08
2847	490069.73, 3859355.34	2.39E-04	3.76E-08	1.31E-08	2.93E-04	4.61E-08	1.61E-08	2.57E-04	4.05E-08	1.41E-08
2848	490119.73, 3859355.34	2.38E-04	3.75E-08	1.31E-08	2.91E-04	4.59E-08	1.60E-08	2.56E-04	4.03E-08	1.40E-08

2849	490169.73, 3859355.34	2.37E-04	3.73E-08	1.30E-08	2.90E-04	4.57E-08	1.59E-08	2.55E-04	4.01E-08	1.40E-08
2850	490219.73, 3859355.34	2.36E-04	3.72E-08	1.30E-08	2.89E-04	4.56E-08	1.59E-08	2.54E-04	4.00E-08	1.39E-08
2851	490269.73, 3859355.34	2.35E-04	3.71E-08	1.29E-08	2.88E-04	4.54E-08	1.58E-08	2.53E-04	3.98E-08	1.39E-08
2852	490319.73, 3859355.34	2.34E-04	3.69E-08	1.29E-08	2.87E-04	4.52E-08	1.57E-08	2.52E-04	3.97E-08	1.38E-08
2853	490069.73, 3859405.34	2.26E-04	3.56E-08	1.24E-08	2.77E-04	4.36E-08	1.52E-08	2.43E-04	3.83E-08	1.33E-08
2854	490119.73, 3859405.34	2.25E-04	3.55E-08	1.24E-08	2.76E-04	4.35E-08	1.52E-08	2.42E-04	3.82E-08	1.33E-08
2855	490169.73, 3859405.34	2.25E-04	3.54E-08	1.23E-08	2.76E-04	4.34E-08	1.51E-08	2.42E-04	3.81E-08	1.33E-08
2856	490219.73, 3859405.34	2.24E-04	3.54E-08	1.23E-08	2.75E-04	4.33E-08	1.51E-08	2.41E-04	3.80E-08	1.32E-08
2857	490269.73, 3859405.34	2.24E-04	3.53E-08	1.23E-08	2.74E-04	4.32E-08	1.51E-08	2.41E-04	3.79E-08	1.32E-08
2858	490319.73, 3859405.34	2.23E-04	3.52E-08	1.23E-08	2.73E-04	4.31E-08	1.50E-08	2.40E-04	3.78E-08	1.32E-08
2859	490161.89, 3859541.83	1.96E-04	3.09E-08	1.08E-08	2.40E-04	3.78E-08	1.32E-08	2.11E-04	3.32E-08	1.16E-08
2860	490171.89, 3859541.83	1.96E-04	3.09E-08	1.08E-08	2.40E-04	3.78E-08	1.32E-08	2.11E-04	3.32E-08	1.16E-08
2861	490161.89, 3859551.83	1.94E-04	3.06E-08	1.06E-08	2.38E-04	3.74E-08	1.30E-08	2.08E-04	3.28E-08	1.14E-08
2862	490171.89, 3859551.83	1.94E-04	3.06E-08	1.06E-08	2.38E-04	3.74E-08	1.30E-08	2.08E-04	3.28E-08	1.14E-08
2863	489799.72, 3859348.21	2.45E-04	3.86E-08	1.35E-08	3.00E-04	4.73E-08	1.65E-08	2.64E-04	4.15E-08	1.45E-08
2864	489819.72, 3859348.21	2.45E-04	3.86E-08	1.34E-08	3.00E-04	4.73E-08	1.65E-08	2.63E-04	4.15E-08	1.45E-08
2865	489799.72, 3859368.21	2.39E-04	3.77E-08	1.31E-08	2.93E-04	4.61E-08	1.61E-08	2.57E-04	4.05E-08	1.41E-08
2866	489819.72, 3859368.21	2.39E-04	3.76E-08	1.31E-08	2.93E-04	4.61E-08	1.61E-08	2.57E-04	4.05E-08	1.41E-08
2867	489775.41, 3859329.72	2.51E-04	3.96E-08	1.38E-08	3.08E-04	4.85E-08	1.69E-08	2.70E-04	4.25E-08	1.48E-08
2868	489795.41, 3859329.72	2.51E-04	3.95E-08	1.38E-08	3.07E-04	4.84E-08	1.69E-08	2.70E-04	4.25E-08	1.48E-08
2869	489775.41, 3859349.72	2.45E-04	3.86E-08	1.34E-08	3.00E-04	4.72E-08	1.65E-08	2.63E-04	4.15E-08	1.44E-08
2870	489795.41, 3859349.72	2.45E-04	3.85E-08	1.34E-08	3.00E-04	4.72E-08	1.64E-08	2.63E-04	4.14E-08	1.44E-08
2871	489595.05, 3859219.43	2.97E-04	4.67E-08	1.63E-08	3.63E-04	5.72E-08	1.99E-08	3.19E-04	5.03E-08	1.75E-08
2872	489615.05, 3859219.43	2.96E-04	4.67E-08	1.63E-08	3.63E-04	5.72E-08	1.99E-08	3.19E-04	5.02E-08	1.75E-08
2873	489595.05, 3859239.43	2.87E-04	4.53E-08	1.58E-08	3.52E-04	5.55E-08	1.93E-08	3.09E-04	4.87E-08	1.70E-08
2874	489615.05, 3859239.43	2.87E-04	4.52E-08	1.58E-08	3.52E-04	5.54E-08	1.93E-08	3.09E-04	4.86E-08	1.69E-08
2875	489372.4, 3859092.58	3.87E-04	6.09E-08	2.12E-08	4.74E-04	7.47E-08	2.60E-08	4.16E-04	6.56E-08	2.28E-08
2876	489422.4, 3859092.58	3.83E-04	6.03E-08	2.10E-08	4.69E-04	7.39E-08	2.57E-08	4.12E-04	6.49E-08	2.26E-08
2877	489372.4, 3859142.58	3.46E-04	5.45E-08	1.90E-08	4.24E-04	6.68E-08	2.33E-08	3.72E-04	5.87E-08	2.04E-08
2878	489422.4, 3859142.58	3.45E-04	5.43E-08	1.89E-08	4.23E-04	6.66E-08	2.32E-08	3.71E-04	5.85E-08	2.04E-08
2879	488870.84, 3858666.64	1.49E-03	2.34E-07	8.17E-08	1.82E-03	2.87E-07	1.00E-07	1.61E-03	2.53E-07	8.81E-08
2880	488900.84, 3858666.64	1.40E-03	2.20E-07	7.67E-08	1.71E-03	2.70E-07	9.40E-08	1.51E-03	2.38E-07	8.28E-08
2881	488870.84, 3858696.64	1.61E-03	2.54E-07	8.85E-08	1.98E-03	3.11E-07	1.08E-07	1.74E-03	2.74E-07	9.55E-08
2882	488900.84, 3858696.64	1.50E-03	2.37E-07	8.24E-08	1.84E-03	2.90E-07	1.01E-07	1.62E-03	2.55E-07	8.89E-08
2883	488889.67, 3858683.97	1.49E-03	2.35E-07	8.18E-08	1.83E-03	2.88E-07	1.00E-07	1.61E-03	2.53E-07	8.83E-08
2884	488919.67, 3858683.97	1.40E-03	2.21E-07	7.68E-08	1.72E-03	2.70E-07	9.41E-08	1.51E-03	2.38E-07	8.29E-08
2885	488889.67, 3858713.97	1.62E-03	2.55E-07	8.88E-08	1.98E-03	3.12E-07	1.09E-07	1.75E-03	2.75E-07	9.58E-08
2886	488919.67, 3858713.97	1.50E-03	2.37E-07	8.25E-08	1.84E-03	2.90E-07	1.01E-07	1.62E-03	2.56E-07	8.91E-08
2887	488906.61, 3858703.33	1.51E-03	2.38E-07	8.28E-08	1.85E-03	2.91E-07	1.01E-07	1.63E-03	2.56E-07	8.93E-08
2888	488936.61, 3858703.33	1.41E-03	2.22E-07	7.75E-08	1.73E-03	2.72E-07	9.49E-08	1.52E-03	2.40E-07	8.36E-08
2889	488906.61, 3858733.33	1.64E-03	2.58E-07	8.98E-08	2.01E-03	3.16E-07	1.10E-07	1.77E-03	2.78E-07	9.69E-08
2890	488936.61, 3858733.33	1.52E-03	2.39E-07	8.33E-08	1.86E-03	2.93E-07	1.02E-07	1.64E-03	2.58E-07	8.99E-08
2891	488637.63, 3858467.85	1.48E-03	2.34E-07	8.15E-08	1.82E-03	2.86E-07	9.98E-08	1.60E-03	2.52E-07	8.78E-08
2892	488662.63, 3858467.85	1.42E-03	2.24E-07	7.80E-08	1.74E-03	2.74E-07	9.55E-08	1.53E-03	2.41E-07	8.41E-08
2893	488637.63, 3858492.85	1.57E-03	2.48E-07	8.63E-08	1.93E-03	3.04E-07	1.06E-07	1.70E-03	2.67E-07	9.31E-08
2894	488662.63, 3858492.85	1.50E-03	2.36E-07	8.22E-08	1.84E-03	2.89E-07	1.01E-07	1.62E-03	2.55E-07	8.87E-08
2895	488687.63, 3858492.85	1.43E-03	2.26E-07	7.86E-08	1.75E-03	2.76E-07	9.63E-08	1.54E-03	2.43E-07	8.47E-08
2896	488637.63, 3858517.85	1.68E-03	2.65E-07	9.23E-08	2.06E-03	3.25E-07	1.13E-07	1.81E-03	2.86E-07	9.96E-08
2897	488662.63, 3858517.85	1.59E-03	2.51E-07	8.74E-08	1.95E-03	3.07E-07	1.07E-07	1.72E-03	2.71E-07	9.43E-08
2898	488687.63, 3858517.85	1.51E-03	2.38E-07	8.31E-08	1.85E-03	2.92E-07	1.02E-07	1.63E-03	2.57E-07	8.96E-08
2899	488194.42, 3857168.98	1.70E-03	2.68E-07	9.35E-08	2.09E-03	3.29E-07	1.15E-07	1.81E-03	2.86E-07	9.95E-08
2900	488244.42, 3857168.98	1.64E-03	2.59E-07	9.02E-08	2.01E-03	3.17E-07	1.10E-07	1.75E-03	2.76E-07	9.60E-08
2901	488294.42, 3857168.98	1.59E-03	2.50E-07	8.72E-08	1.95E-03	3.06E-07	1.07E-07	1.69E-03	2.67E-07	9.29E-08
2902	488244.42, 3857218.98	1.67E-03	2.63E-07	9.15E-08	2.04E-03	3.22E-07	1.12E-07	1.77E-03	2.80E-07	9.74E-08
2903	488294.42, 3857218.98	1.61E-03	2.54E-07	8.83E-08	1.97E-03	3.11E-07	1.08E-07	1.71E-03	2.70E-07	9.40E-08
2904	488294.42, 3857268.98	1.63E-03	2.57E-07	8.94E-08	1.99E-03	3.14E-07	1.09E-07	1.73E-03	2.73E-07	9.51E-08
2905	488139.13, 3857111.68	1.74E-03	2.74E-07	9.54E-08	2.13E-03	3.35E-07	1.17E-07	1.85E-03	2.92E-07	1.02E-07
2906	488189.13, 3857111.68	1.68E-03	2.64E-07	9.20E-08	2.05E-03	3.23E-07	1.13E-07	1.79E-03	2.81E-07	9.80E-08
2907	488189.13, 3857161.68	1.71E-03	2.69E-07	9.37E-08	2.09E-03	3.29E-07	1.15E-07	1.82E-03	2.86E-07	9.97E-08
2908	487951.04, 3856961.26	1.88E-03	2.96E-07	1.03E-07	2.30E-03	3.63E-07	1.26E-07	2.01E-03	3.17E-07	1.10E-07
2909	488001.04, 3856961.26	1.81E-03	2.86E-07	9.96E-08	2.22E-03	3.50E-07	1.22E-07	1.94E-03	3.06E-07	1.07E-07
2910	488051.04, 3856961.26	1.76E-03	2.77E-07	9.65E-08	2.15E-03	3.39E-07	1.18E-07	1.88E-03	2.96E-07	1.03E-07

2911	488101.04, 3856961.26	1.70E-03	2.67E-07	9.30E-08	2.08E-03	3.27E-07	1.14E-07	1.81E-03	2.86E-07	9.95E-08
2912	487951.04, 3857011.26	1.91E-03	3.01E-07	1.05E-07	2.34E-03	3.68E-07	1.28E-07	2.04E-03	3.21E-07	1.12E-07
2913	488001.04, 3857011.26	1.85E-03	2.91E-07	1.01E-07	2.26E-03	3.56E-07	1.24E-07	1.97E-03	3.11E-07	1.08E-07
2914	488051.04, 3857011.26	1.79E-03	2.81E-07	9.80E-08	2.19E-03	3.45E-07	1.20E-07	1.91E-03	3.01E-07	1.05E-07
2915	488101.04, 3857011.26	1.72E-03	2.71E-07	9.45E-08	2.11E-03	3.32E-07	1.16E-07	1.84E-03	2.90E-07	1.01E-07
2916	488001.04, 3857061.26	1.88E-03	2.96E-07	1.03E-07	2.30E-03	3.62E-07	1.26E-07	2.00E-03	3.16E-07	1.10E-07
2917	488051.04, 3857061.26	1.81E-03	2.86E-07	9.95E-08	2.22E-03	3.50E-07	1.22E-07	1.93E-03	3.05E-07	1.06E-07
2918	488101.04, 3857061.26	1.75E-03	2.76E-07	9.61E-08	2.14E-03	3.38E-07	1.18E-07	1.87E-03	2.94E-07	1.02E-07
2919	487638.98, 3856673.79	2.10E-03	3.31E-07	1.15E-07	2.58E-03	4.06E-07	1.41E-07	2.27E-03	3.57E-07	1.24E-07
2920	487688.98, 3856673.79	2.03E-03	3.19E-07	1.11E-07	2.48E-03	3.91E-07	1.36E-07	2.18E-03	3.44E-07	1.20E-07
2921	487638.98, 3856723.79	2.17E-03	3.42E-07	1.19E-07	2.66E-03	4.19E-07	1.46E-07	2.34E-03	3.68E-07	1.28E-07
2922	487688.98, 3856723.79	2.09E-03	3.29E-07	1.14E-07	2.55E-03	4.02E-07	1.40E-07	2.25E-03	3.54E-07	1.23E-07
2923	486324.61, 3855740.57	2.25E-03	3.54E-07	1.23E-07	2.76E-03	4.34E-07	1.51E-07	2.42E-03	3.82E-07	1.33E-07
2924	486374.61, 3855740.57	2.10E-03	3.31E-07	1.15E-07	2.57E-03	4.05E-07	1.41E-07	2.26E-03	3.57E-07	1.24E-07
2925	486424.61, 3855740.57	2.01E-03	3.17E-07	1.10E-07	2.46E-03	3.88E-07	1.35E-07	2.17E-03	3.41E-07	1.19E-07
2926	486324.61, 3855790.57	2.36E-03	3.73E-07	1.30E-07	2.90E-03	4.56E-07	1.59E-07	2.55E-03	4.02E-07	1.40E-07
2927	486374.61, 3855790.57	2.21E-03	3.49E-07	1.21E-07	2.71E-03	4.27E-07	1.49E-07	2.38E-03	3.76E-07	1.31E-07
2928	486424.61, 3855790.57	2.13E-03	3.36E-07	1.17E-07	2.61E-03	4.11E-07	1.43E-07	2.30E-03	3.62E-07	1.26E-07
2929	486324.61, 3855840.57	2.49E-03	3.92E-07	1.37E-07	3.05E-03	4.80E-07	1.67E-07	2.68E-03	4.23E-07	1.47E-07
2930	486374.61, 3855840.57	2.38E-03	3.75E-07	1.31E-07	2.91E-03	4.59E-07	1.60E-07	2.57E-03	4.04E-07	1.41E-07
2931	486424.61, 3855840.57	2.27E-03	3.57E-07	1.24E-07	2.77E-03	4.37E-07	1.52E-07	2.44E-03	3.85E-07	1.34E-07
2932	486324.61, 3855890.57	2.69E-03	4.24E-07	1.48E-07	3.30E-03	5.19E-07	1.81E-07	2.90E-03	4.57E-07	1.59E-07
2933	486374.61, 3855890.57	2.56E-03	4.03E-07	1.40E-07	3.13E-03	4.93E-07	1.72E-07	2.76E-03	4.34E-07	1.51E-07
2934	486424.61, 3855890.57	2.42E-03	3.81E-07	1.33E-07	2.96E-03	4.67E-07	1.63E-07	2.61E-03	4.11E-07	1.43E-07
2935	488735.69, 3858285.64	1.06E-03	1.66E-07	5.79E-08	1.29E-03	2.04E-07	7.09E-08	1.14E-03	1.79E-07	6.23E-08
2936	488765.69, 3858285.64	1.03E-03	1.62E-07	5.65E-08	1.26E-03	1.99E-07	6.93E-08	1.11E-03	1.75E-07	6.09E-08
2937	488735.69, 3858315.64	1.08E-03	1.69E-07	5.90E-08	1.32E-03	2.07E-07	7.23E-08	1.16E-03	1.82E-07	6.35E-08
2938	488765.69, 3858315.64	1.05E-03	1.65E-07	5.75E-08	1.28E-03	2.02E-07	7.04E-08	1.13E-03	1.78E-07	6.19E-08
2939	478676.63, 3849871.93	2.61E-05	4.11E-09	1.43E-09	3.20E-05	5.04E-09	1.76E-09	2.81E-05	4.42E-09	1.54E-09
2940	479326.63, 3849871.93	3.21E-05	5.06E-09	1.76E-09	3.94E-05	6.20E-09	2.16E-09	3.45E-05	5.44E-09	1.89E-09
2941	479376.63, 3849871.93	3.24E-05	5.11E-09	1.78E-09	3.97E-05	6.26E-09	2.18E-09	3.48E-05	5.49E-09	1.91E-09
2942	479426.63, 3849871.93	3.28E-05	5.17E-09	1.80E-09	4.02E-05	6.33E-09	2.21E-09	3.52E-05	5.55E-09	1.93E-09
2943	478726.63, 3849921.93	2.66E-05	4.19E-09	1.46E-09	3.26E-05	5.13E-09	1.79E-09	2.86E-05	4.50E-09	1.57E-09
2944	478776.63, 3849921.93	2.71E-05	4.26E-09	1.49E-09	3.32E-05	5.22E-09	1.82E-09	2.91E-05	4.58E-09	1.60E-09
2945	478826.63, 3849921.93	2.75E-05	4.34E-09	1.51E-09	3.37E-05	5.32E-09	1.85E-09	2.96E-05	4.66E-09	1.62E-09
2946	478976.63, 3849921.93	2.90E-05	4.57E-09	1.59E-09	3.56E-05	5.60E-09	1.95E-09	3.12E-05	4.91E-09	1.71E-09
2947	479026.63, 3849921.93	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.74E-09	2.00E-09	3.19E-05	5.03E-09	1.75E-09
2948	479076.63, 3849921.93	3.03E-05	4.77E-09	1.66E-09	3.71E-05	5.85E-09	2.04E-09	3.25E-05	5.13E-09	1.79E-09
2949	479126.63, 3849921.93	3.08E-05	4.85E-09	1.69E-09	3.77E-05	5.95E-09	2.07E-09	3.31E-05	5.22E-09	1.82E-09
2950	479176.63, 3849921.93	3.14E-05	4.95E-09	1.72E-09	3.85E-05	6.06E-09	2.11E-09	3.37E-05	5.32E-09	1.85E-09
2951	479226.63, 3849921.93	3.17E-05	5.00E-09	1.74E-09	3.89E-05	6.12E-09	2.13E-09	3.41E-05	5.37E-09	1.87E-09
2952	479276.63, 3849921.93	3.17E-05	5.00E-09	1.74E-09	3.89E-05	6.13E-09	2.13E-09	3.41E-05	5.37E-09	1.87E-09
2953	479326.63, 3849921.93	3.27E-05	5.15E-09	1.79E-09	4.01E-05	6.31E-09	2.20E-09	3.51E-05	5.53E-09	1.93E-09
2954	479376.63, 3849921.93	3.27E-05	5.14E-09	1.79E-09	4.00E-05	6.30E-09	2.20E-09	3.51E-05	5.53E-09	1.92E-09
2955	479426.63, 3849921.93	3.33E-05	5.25E-09	1.83E-09	4.08E-05	6.43E-09	2.24E-09	3.58E-05	5.64E-09	1.97E-09
2956	478726.63, 3849971.93	2.66E-05	4.19E-09	1.46E-09	3.26E-05	5.13E-09	1.79E-09	2.86E-05	4.50E-09	1.57E-09
2957	478776.63, 3849971.93	2.70E-05	4.26E-09	1.48E-09	3.31E-05	5.22E-09	1.82E-09	2.91E-05	4.58E-09	1.59E-09
2958	478826.63, 3849971.93	2.75E-05	4.33E-09	1.51E-09	3.37E-05	5.31E-09	1.85E-09	2.95E-05	4.65E-09	1.62E-09
2959	478976.63, 3849971.93	2.92E-05	4.60E-09	1.60E-09	3.58E-05	5.64E-09	1.96E-09	3.14E-05	4.94E-09	1.72E-09
2960	479026.63, 3849971.93	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.73E-09	2.00E-09	3.19E-05	5.03E-09	1.75E-09
2961	479076.63, 3849971.93	3.02E-05	4.76E-09	1.66E-09	3.70E-05	5.83E-09	2.03E-09	3.25E-05	5.11E-09	1.78E-09
2962	479126.63, 3849971.93	3.08E-05	4.85E-09	1.69E-09	3.77E-05	5.94E-09	2.07E-09	3.31E-05	5.21E-09	1.81E-09
2963	479176.63, 3849971.93	3.14E-05	4.94E-09	1.72E-09	3.84E-05	6.05E-09	2.11E-09	3.37E-05	5.31E-09	1.85E-09
2964	479226.63, 3849971.93	3.13E-05	4.93E-09	1.72E-09	3.83E-05	6.03E-09	2.10E-09	3.36E-05	5.29E-09	1.84E-09
2965	479276.63, 3849971.93	3.22E-05	5.08E-09	1.77E-09	3.95E-05	6.22E-09	2.17E-09	3.46E-05	5.45E-09	1.90E-09
2966	479326.63, 3849971.93	3.30E-05	5.20E-09	1.81E-09	4.04E-05	6.37E-09	2.22E-09	3.54E-05	5.58E-09	1.95E-09
2967	479376.63, 3849971.93	3.30E-05	5.20E-09	1.81E-09	4.05E-05	6.38E-09	2.22E-09	3.55E-05	5.59E-09	1.95E-09
2968	479426.63, 3849971.93	3.36E-05	5.29E-09	1.84E-09	4.11E-05	6.48E-09	2.26E-09	3.61E-05	5.68E-09	1.98E-09
2969	478726.63, 3850021.93	2.66E-05	4.19E-09	1.46E-09	3.26E-05	5.13E-09	1.79E-09	2.86E-05	4.50E-09	1.57E-09
2970	478776.63, 3850021.93	2.70E-05	4.25E-09	1.48E-09	3.31E-05	5.21E-09	1.82E-09	2.90E-05	4.57E-09	1.59E-09
2971	478826.63, 3850021.93	2.75E-05	4.33E-09	1.51E-09	3.37E-05	5.30E-09	1.85E-09	2.95E-05	4.65E-09	1.62E-09
2972	478976.63, 3850021.93	2.92E-05	4.59E-09	1.60E-09	3.57E-05	5.63E-09	1.96E-09	3.13E-05	4.94E-09	1.72E-09

2973	478726.63, 3850071.93	2.66E-05	4.20E-09	1.46E-09	3.26E-05	5.14E-09	1.79E-09	2.86E-05	4.51E-09	1.57E-09
2974	478776.63, 3850071.93	2.71E-05	4.26E-09	1.48E-09	3.31E-05	5.22E-09	1.82E-09	2.91E-05	4.58E-09	1.60E-09
2975	478826.63, 3850071.93	2.75E-05	4.33E-09	1.51E-09	3.37E-05	5.31E-09	1.85E-09	2.96E-05	4.66E-09	1.62E-09
2976	478876.63, 3850071.93	2.80E-05	4.41E-09	1.54E-09	3.43E-05	5.40E-09	1.88E-09	3.01E-05	4.74E-09	1.65E-09
2977	478976.63, 3850071.93	2.91E-05	4.59E-09	1.60E-09	3.57E-05	5.62E-09	1.96E-09	3.13E-05	4.93E-09	1.72E-09
2978	478726.63, 3850121.93	2.67E-05	4.21E-09	1.47E-09	3.28E-05	5.16E-09	1.80E-09	2.87E-05	4.53E-09	1.58E-09
2979	478776.63, 3850121.93	2.72E-05	4.28E-09	1.49E-09	3.33E-05	5.25E-09	1.83E-09	2.92E-05	4.60E-09	1.60E-09
2980	478826.63, 3850121.93	2.76E-05	4.35E-09	1.51E-09	3.38E-05	5.33E-09	1.86E-09	2.97E-05	4.67E-09	1.63E-09
2981	478876.63, 3850121.93	2.80E-05	4.42E-09	1.54E-09	3.43E-05	5.41E-09	1.88E-09	3.01E-05	4.75E-09	1.65E-09
2982	478976.63, 3850121.93	2.92E-05	4.59E-09	1.60E-09	3.57E-05	5.63E-09	1.96E-09	3.13E-05	4.94E-09	1.72E-09
2983	479026.63, 3850121.93	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.73E-09	2.00E-09	3.19E-05	5.03E-09	1.75E-09
2984	479076.63, 3850121.93	3.02E-05	4.76E-09	1.66E-09	3.70E-05	5.83E-09	2.03E-09	3.25E-05	5.12E-09	1.78E-09
2985	479126.63, 3850121.93	3.08E-05	4.85E-09	1.69E-09	3.77E-05	5.94E-09	2.07E-09	3.31E-05	5.21E-09	1.81E-09
2986	478776.63, 3850171.93	2.73E-05	4.29E-09	1.50E-09	3.34E-05	5.26E-09	1.83E-09	2.93E-05	4.61E-09	1.61E-09
2987	478826.63, 3850171.93	2.76E-05	4.36E-09	1.52E-09	3.39E-05	5.34E-09	1.86E-09	2.97E-05	4.68E-09	1.63E-09
2988	478876.63, 3850171.93	2.81E-05	4.42E-09	1.54E-09	3.44E-05	5.42E-09	1.89E-09	3.02E-05	4.75E-09	1.66E-09
2989	478976.63, 3850171.93	2.92E-05	4.59E-09	1.60E-09	3.57E-05	5.63E-09	1.96E-09	3.13E-05	4.94E-09	1.72E-09
2990	479026.63, 3850171.93	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.74E-09	2.00E-09	3.20E-05	5.03E-09	1.75E-09
2991	479076.63, 3850171.93	3.03E-05	4.77E-09	1.66E-09	3.71E-05	5.84E-09	2.03E-09	3.25E-05	5.12E-09	1.78E-09
2992	479126.63, 3850171.93	3.08E-05	4.85E-09	1.69E-09	3.77E-05	5.94E-09	2.07E-09	3.31E-05	5.21E-09	1.82E-09
2993	479176.63, 3850171.93	3.14E-05	4.95E-09	1.72E-09	3.85E-05	6.06E-09	2.11E-09	3.37E-05	5.32E-09	1.85E-09
2994	479226.63, 3850171.93	3.22E-05	5.07E-09	1.77E-09	3.94E-05	6.21E-09	2.16E-09	3.46E-05	5.45E-09	1.90E-09
2995	479276.63, 3850171.93	3.29E-05	5.19E-09	1.81E-09	4.03E-05	6.35E-09	2.21E-09	3.54E-05	5.57E-09	1.94E-09
2996	479326.63, 3850171.93	3.34E-05	5.27E-09	1.83E-09	4.09E-05	6.45E-09	2.25E-09	3.59E-05	5.66E-09	1.97E-09
2997	479376.63, 3850171.93	3.39E-05	5.34E-09	1.86E-09	4.15E-05	6.54E-09	2.28E-09	3.64E-05	5.74E-09	2.00E-09
2998	478676.63, 3850221.93	2.66E-05	4.19E-09	1.46E-09	3.25E-05	5.13E-09	1.79E-09	2.86E-05	4.50E-09	1.57E-09
2999	478726.63, 3850221.93	2.70E-05	4.25E-09	1.48E-09	3.30E-05	5.21E-09	1.81E-09	2.90E-05	4.57E-09	1.59E-09
3000	478976.63, 3850221.93	2.92E-05	4.60E-09	1.60E-09	3.58E-05	5.64E-09	1.96E-09	3.14E-05	4.95E-09	1.72E-09
3001	479026.63, 3850221.93	2.98E-05	4.69E-09	1.63E-09	3.65E-05	5.74E-09	2.00E-09	3.20E-05	5.04E-09	1.76E-09
3002	479076.63, 3850221.93	3.03E-05	4.77E-09	1.66E-09	3.71E-05	5.84E-09	2.04E-09	3.25E-05	5.13E-09	1.79E-09
3003	479126.63, 3850221.93	3.08E-05	4.86E-09	1.69E-09	3.78E-05	5.95E-09	2.07E-09	3.31E-05	5.22E-09	1.82E-09
3004	479176.63, 3850221.93	3.15E-05	4.96E-09	1.73E-09	3.86E-05	6.08E-09	2.12E-09	3.39E-05	5.33E-09	1.86E-09
3005	479226.63, 3850221.93	3.22E-05	5.07E-09	1.77E-09	3.94E-05	6.21E-09	2.16E-09	3.46E-05	5.45E-09	1.90E-09
3006	479276.63, 3850221.93	3.29E-05	5.18E-09	1.80E-09	4.03E-05	6.34E-09	2.21E-09	3.53E-05	5.56E-09	1.94E-09
3007	479326.63, 3850221.93	3.34E-05	5.26E-09	1.83E-09	4.09E-05	6.44E-09	2.24E-09	3.59E-05	5.65E-09	1.97E-09
3008	479376.63, 3850221.93	3.39E-05	5.35E-09	1.86E-09	4.16E-05	6.55E-09	2.28E-09	3.65E-05	5.74E-09	2.00E-09
3009	478676.63, 3850271.93	2.68E-05	4.22E-09	1.47E-09	3.28E-05	5.17E-09	1.80E-09	2.88E-05	4.53E-09	1.58E-09
3010	478726.63, 3850271.93	2.71E-05	4.28E-09	1.49E-09	3.33E-05	5.24E-09	1.83E-09	2.92E-05	4.60E-09	1.60E-09
3011	478976.63, 3850271.93	2.92E-05	4.61E-09	1.60E-09	3.58E-05	5.64E-09	1.97E-09	3.14E-05	4.95E-09	1.72E-09
3012	479026.63, 3850271.93	2.98E-05	4.69E-09	1.64E-09	3.65E-05	5.75E-09	2.00E-09	3.20E-05	5.04E-09	1.76E-09
3013	479076.63, 3850271.93	3.03E-05	4.78E-09	1.66E-09	3.71E-05	5.85E-09	2.04E-09	3.26E-05	5.13E-09	1.79E-09
3014	479126.63, 3850271.93	3.09E-05	4.86E-09	1.69E-09	3.78E-05	5.96E-09	2.08E-09	3.32E-05	5.23E-09	1.82E-09
3015	479176.63, 3850271.93	3.15E-05	4.96E-09	1.73E-09	3.86E-05	6.08E-09	2.12E-09	3.38E-05	5.33E-09	1.86E-09
3016	479226.63, 3850271.93	3.21E-05	5.06E-09	1.76E-09	3.94E-05	6.20E-09	2.16E-09	3.45E-05	5.44E-09	1.90E-09
3017	479276.63, 3850271.93	3.28E-05	5.16E-09	1.80E-09	4.01E-05	6.32E-09	2.20E-09	3.52E-05	5.55E-09	1.93E-09
3018	479326.63, 3850271.93	3.33E-05	5.25E-09	1.83E-09	4.08E-05	6.43E-09	2.24E-09	3.58E-05	5.64E-09	1.97E-09
3019	479376.63, 3850271.93	3.38E-05	5.33E-09	1.86E-09	4.14E-05	6.53E-09	2.27E-09	3.63E-05	5.73E-09	1.99E-09
3020	479053.24, 3850293.52	3.01E-05	4.74E-09	1.65E-09	3.69E-05	5.81E-09	2.02E-09	3.24E-05	5.10E-09	1.78E-09
3021	479103.24, 3850293.52	3.07E-05	4.83E-09	1.68E-09	3.76E-05	5.92E-09	2.06E-09	3.29E-05	5.19E-09	1.81E-09
3022	479153.24, 3850293.52	3.12E-05	4.91E-09	1.71E-09	3.82E-05	6.02E-09	2.10E-09	3.35E-05	5.28E-09	1.84E-09
3023	479203.24, 3850293.52	3.18E-05	5.02E-09	1.75E-09	3.90E-05	6.15E-09	2.14E-09	3.42E-05	5.39E-09	1.88E-09
3024	479253.24, 3850293.52	3.25E-05	5.12E-09	1.78E-09	3.98E-05	6.27E-09	2.18E-09	3.49E-05	5.50E-09	1.92E-09
3025	479303.24, 3850293.52	3.30E-05	5.20E-09	1.81E-09	4.04E-05	6.37E-09	2.22E-09	3.55E-05	5.59E-09	1.95E-09
3026	479353.24, 3850293.52	3.36E-05	5.29E-09	1.84E-09	4.11E-05	6.48E-09	2.26E-09	3.61E-05	5.68E-09	1.98E-09
3027	479153.24, 3850343.52	3.13E-05	4.92E-09	1.72E-09	3.83E-05	6.03E-09	2.10E-09	3.36E-05	5.29E-09	1.84E-09
3028	479203.24, 3850343.52	3.18E-05	5.02E-09	1.75E-09	3.90E-05	6.15E-09	2.14E-09	3.42E-05	5.39E-09	1.88E-09
3029	479253.24, 3850343.52	3.24E-05	5.10E-09	1.78E-09	3.97E-05	6.25E-09	2.18E-09	3.48E-05	5.48E-09	1.91E-09
3030	479303.24, 3850343.52	3.29E-05	5.19E-09	1.81E-09	4.03E-05	6.35E-09	2.21E-09	3.54E-05	5.57E-09	1.94E-09
3031	479353.24, 3850343.52	3.34E-05	5.27E-09	1.84E-09	4.10E-05	6.46E-09	2.25E-09	3.59E-05	5.66E-09	1.97E-09
3032	479203.24, 3850393.52	3.18E-05	5.01E-09	1.74E-09	3.89E-05	6.13E-09	2.14E-09	3.42E-05	5.38E-09	1.87E-09
3033	479253.24, 3850393.52	3.23E-05	5.09E-09	1.77E-09	3.96E-05	6.24E-09	2.17E-09	3.47E-05	5.47E-09	1.91E-09
3034	479303.24, 3850393.52	3.29E-05	5.18E-09	1.80E-09	4.03E-05	6.34E-09	2.21E-09	3.53E-05	5.56E-09	1.94E-09

3035	479353.24, 3850393.52	3.34E-05	5.26E-09	1.83E-09	4.09E-05	6.45E-09	2.25E-09	3.59E-05	5.65E-09	1.97E-09
3036	479403.24, 3850393.52	3.39E-05	5.35E-09	1.86E-09	4.16E-05	6.55E-09	2.28E-09	3.65E-05	5.75E-09	2.00E-09
3037	479453.24, 3850393.52	3.45E-05	5.43E-09	1.89E-09	4.22E-05	6.65E-09	2.32E-09	3.70E-05	5.83E-09	2.03E-09
3038	479503.24, 3850393.52	3.49E-05	5.50E-09	1.92E-09	4.28E-05	6.74E-09	2.35E-09	3.75E-05	5.91E-09	2.06E-09
3039	479303.24, 3850443.52	3.28E-05	5.16E-09	1.80E-09	4.01E-05	6.32E-09	2.20E-09	3.52E-05	5.55E-09	1.93E-09
3040	479353.24, 3850443.52	3.33E-05	5.24E-09	1.83E-09	4.08E-05	6.42E-09	2.24E-09	3.58E-05	5.63E-09	1.96E-09
3041	479403.24, 3850443.52	3.38E-05	5.32E-09	1.85E-09	4.14E-05	6.52E-09	2.27E-09	3.63E-05	5.72E-09	1.99E-09
3042	479453.24, 3850443.52	3.43E-05	5.40E-09	1.88E-09	4.20E-05	6.62E-09	2.31E-09	3.69E-05	5.81E-09	2.02E-09
3043	479503.24, 3850443.52	3.48E-05	5.48E-09	1.91E-09	4.26E-05	6.71E-09	2.34E-09	3.74E-05	5.89E-09	2.05E-09
3044	480327.18, 3850987.04	4.60E-05	7.24E-09	2.52E-09	5.63E-05	8.87E-09	3.09E-09	4.94E-05	7.78E-09	2.71E-09
3045	480377.18, 3850987.04	4.66E-05	7.34E-09	2.56E-09	5.71E-05	8.99E-09	3.13E-09	5.00E-05	7.88E-09	2.75E-09
3046	480427.18, 3850987.04	4.72E-05	7.43E-09	2.59E-09	5.78E-05	9.10E-09	3.17E-09	5.07E-05	7.98E-09	2.78E-09
3047	480477.18, 3850987.04	4.77E-05	7.51E-09	2.62E-09	5.84E-05	9.20E-09	3.21E-09	5.12E-05	8.07E-09	2.81E-09
3048	480327.18, 3851037.04	4.60E-05	7.25E-09	2.53E-09	5.64E-05	8.88E-09	3.09E-09	4.94E-05	7.79E-09	2.71E-09
3049	480377.18, 3851037.04	4.67E-05	7.36E-09	2.56E-09	5.72E-05	9.01E-09	3.14E-09	5.02E-05	7.91E-09	2.75E-09
3050	480427.18, 3851037.04	4.74E-05	7.46E-09	2.60E-09	5.80E-05	9.14E-09	3.18E-09	5.09E-05	8.02E-09	2.79E-09
3051	480477.18, 3851037.04	4.80E-05	7.56E-09	2.63E-09	5.88E-05	9.26E-09	3.22E-09	5.15E-05	8.12E-09	2.83E-09
3052	480622.06, 3851087.39	4.98E-05	7.85E-09	2.73E-09	6.10E-05	9.61E-09	3.35E-09	5.35E-05	8.43E-09	2.94E-09
3053	480672.06, 3851087.39	5.03E-05	7.92E-09	2.76E-09	6.16E-05	9.70E-09	3.38E-09	5.40E-05	8.51E-09	2.97E-09
3054	480622.06, 3851137.39	5.02E-05	7.90E-09	2.75E-09	6.15E-05	9.68E-09	3.37E-09	5.39E-05	8.49E-09	2.96E-09
3055	480672.06, 3851137.39	5.07E-05	7.99E-09	2.78E-09	6.21E-05	9.78E-09	3.41E-09	5.45E-05	8.58E-09	2.99E-09
3056	480722.06, 3851137.39	5.12E-05	8.06E-09	2.81E-09	6.27E-05	9.88E-09	3.44E-09	5.50E-05	8.66E-09	3.02E-09
3057	480622.06, 3851187.39	5.04E-05	7.95E-09	2.77E-09	6.18E-05	9.73E-09	3.39E-09	5.42E-05	8.54E-09	2.97E-09
3058	480672.06, 3851187.39	5.10E-05	8.04E-09	2.80E-09	6.25E-05	9.85E-09	3.43E-09	5.48E-05	8.64E-09	3.01E-09
3059	480722.06, 3851187.39	5.16E-05	8.13E-09	2.83E-09	6.32E-05	9.96E-09	3.47E-09	5.54E-05	8.73E-09	3.04E-09
3060	471363.09, 3845877.25	7.13E-06	1.12E-09	3.91E-10	8.73E-06	1.38E-09	4.79E-10	7.65E-06	1.21E-09	4.20E-10
3061	471863.09, 3845877.25	6.83E-06	1.08E-09	3.75E-10	8.37E-06	1.32E-09	4.59E-10	7.34E-06	1.16E-09	4.03E-10
3062	472363.09, 3845877.25	7.44E-06	1.17E-09	4.08E-10	9.11E-06	1.44E-09	5.00E-10	7.99E-06	1.26E-09	4.38E-10
3063	472863.09, 3845877.25	6.26E-06	9.86E-10	3.44E-10	7.67E-06	1.21E-09	4.21E-10	6.72E-06	1.06E-09	3.69E-10
3064	473363.09, 3845877.25	6.12E-06	9.64E-10	3.36E-10	7.49E-06	1.18E-09	4.11E-10	6.57E-06	1.04E-09	3.61E-10
3065	473863.09, 3845877.25	6.42E-06	1.01E-09	3.52E-10	7.86E-06	1.24E-09	4.31E-10	6.89E-06	1.09E-09	3.78E-10
3066	474363.09, 3845877.25	7.59E-06	1.20E-09	4.17E-10	9.30E-06	1.47E-09	5.11E-10	8.16E-06	1.29E-09	4.48E-10
3067	474863.09, 3845877.25	9.63E-06	1.52E-09	5.28E-10	1.18E-05	1.86E-09	6.47E-10	1.03E-05	1.63E-09	5.68E-10
3068	475363.09, 3845877.25	1.22E-05	1.92E-09	6.68E-10	1.49E-05	2.35E-09	8.18E-10	1.31E-05	2.06E-09	7.18E-10
3069	475863.09, 3845877.25	1.27E-05	2.00E-09	6.96E-10	1.55E-05	2.45E-09	8.53E-10	1.36E-05	2.15E-09	7.48E-10
3070	476363.09, 3845877.25	1.17E-05	1.85E-09	6.45E-10	1.44E-05	2.27E-09	7.90E-10	1.26E-05	1.99E-09	6.92E-10
3071	476863.09, 3845877.25	1.06E-05	1.67E-09	5.81E-10	1.30E-05	2.04E-09	7.12E-10	1.14E-05	1.79E-09	6.24E-10
3072	477363.09, 3845877.25	8.88E-06	1.40E-09	4.88E-10	1.09E-05	1.71E-09	5.97E-10	9.54E-06	1.50E-09	5.24E-10
3073	477863.09, 3845877.25	7.72E-06	1.22E-09	4.24E-10	9.46E-06	1.49E-09	5.19E-10	8.29E-06	1.31E-09	4.55E-10
3074	478363.09, 3845877.25	7.44E-06	1.17E-09	4.08E-10	9.11E-06	1.44E-09	5.00E-10	8.00E-06	1.26E-09	4.39E-10
3075	478863.09, 3845877.25	7.13E-06	1.12E-09	3.91E-10	8.74E-06	1.38E-09	4.79E-10	7.66E-06	1.21E-09	4.20E-10
3076	479363.09, 3845877.25	6.87E-06	1.08E-09	3.77E-10	8.41E-06	1.33E-09	4.62E-10	7.38E-06	1.16E-09	4.05E-10
3077	479863.09, 3845877.25	6.64E-06	1.05E-09	3.64E-10	8.13E-06	1.28E-09	4.46E-10	7.13E-06	1.12E-09	3.92E-10
3078	480363.09, 3845877.25	5.60E-06	8.83E-10	3.07E-10	6.86E-06	1.08E-09	3.77E-10	6.02E-06	9.48E-10	3.30E-10
3079	480863.09, 3845877.25	5.06E-06	7.98E-10	2.78E-10	6.20E-06	9.77E-10	3.40E-10	5.44E-06	8.57E-10	2.99E-10
3080	481363.09, 3845877.25	4.67E-06	7.36E-10	2.57E-10	5.73E-06	9.02E-10	3.14E-10	5.02E-06	7.91E-10	2.75E-10
3081	481863.09, 3845877.25	4.19E-06	6.59E-10	2.30E-10	5.13E-06	8.08E-10	2.81E-10	4.50E-06	7.08E-10	2.47E-10
3082	482363.09, 3845877.25	3.76E-06	5.93E-10	2.07E-10	4.61E-06	7.26E-10	2.53E-10	4.05E-06	6.37E-10	2.22E-10
3083	482863.09, 3845877.25	3.05E-06	4.81E-10	1.67E-10	3.74E-06	5.89E-10	2.05E-10	3.28E-06	5.16E-10	1.80E-10
3084	483363.09, 3845877.25	2.80E-06	4.41E-10	1.54E-10	3.43E-06	5.41E-10	1.88E-10	3.01E-06	4.74E-10	1.65E-10
3085	483863.09, 3845877.25	3.18E-06	5.01E-10	1.75E-10	3.90E-06	6.14E-10	2.14E-10	3.42E-06	5.38E-10	1.88E-10
3086	484363.09, 3845877.25	3.12E-06	4.92E-10	1.71E-10	3.82E-06	6.03E-10	2.10E-10	3.35E-06	5.28E-10	1.84E-10
3087	484863.09, 3845877.25	2.97E-06	4.67E-10	1.63E-10	3.63E-06	5.72E-10	1.99E-10	3.19E-06	5.02E-10	1.75E-10
3088	485363.09, 3845877.25	2.79E-06	4.40E-10	1.53E-10	3.42E-06	5.39E-10	1.88E-10	3.00E-06	4.73E-10	1.65E-10
3089	485863.09, 3845877.25	2.74E-06	4.32E-10	1.50E-10	3.36E-06	5.29E-10	1.84E-10	2.94E-06	4.64E-10	1.62E-10
3090	486363.09, 3845877.25	2.61E-06	4.11E-10	1.43E-10	3.20E-06	5.04E-10	1.75E-10	2.80E-06	4.42E-10	1.54E-10
3091	486863.09, 3845877.25	2.42E-06	3.81E-10	1.33E-10	2.97E-06	4.67E-10	1.63E-10	2.60E-06	4.10E-10	1.43E-10
3092	487363.09, 3845877.25	2.37E-06	3.73E-10	1.30E-10	2.90E-06	4.57E-10	1.59E-10	2.54E-06	4.00E-10	1.40E-10
3093	487863.09, 3845877.25	2.21E-06	3.48E-10	1.21E-10	2.71E-06	4.26E-10	1.49E-10	2.37E-06	3.74E-10	1.30E-10
3094	488363.09, 3845877.25	2.13E-06	3.35E-10	1.17E-10	2.61E-06	4.11E-10	1.43E-10	2.28E-06	3.60E-10	1.25E-10
3095	488863.09, 3845877.25	2.34E-06	3.69E-10	1.29E-10	2.87E-06	4.52E-10	1.58E-10	2.52E-06	3.97E-10	1.38E-10
3096	489363.09, 3845877.25	2.34E-06	3.69E-10	1.28E-10	2.87E-06	4.51E-10	1.57E-10	2.51E-06	3.96E-10	1.38E-10

3097	489863.09, 3845877.25	2.24E-06	3.53E-10	1.23E-10	2.75E-06	4.33E-10	1.51E-10	2.41E-06	3.79E-10	1.32E-10
3098	490363.09, 3845877.25	2.13E-06	3.36E-10	1.17E-10	2.61E-06	4.11E-10	1.43E-10	2.29E-06	3.60E-10	1.26E-10
3099	490863.09, 3845877.25	1.92E-06	3.03E-10	1.05E-10	2.35E-06	3.71E-10	1.29E-10	2.06E-06	3.25E-10	1.13E-10
3100	491363.09, 3845877.25	2.10E-06	3.31E-10	1.15E-10	2.58E-06	4.06E-10	1.41E-10	2.26E-06	3.56E-10	1.24E-10
3101	491863.09, 3845877.25	2.26E-06	3.56E-10	1.24E-10	2.77E-06	4.36E-10	1.52E-10	2.43E-06	3.82E-10	1.33E-10
3102	492363.09, 3845877.25	2.14E-06	3.37E-10	1.17E-10	2.62E-06	4.12E-10	1.44E-10	2.29E-06	3.61E-10	1.26E-10
3103	492863.09, 3845877.25	2.45E-06	3.85E-10	1.34E-10	3.00E-06	4.72E-10	1.64E-10	2.63E-06	4.14E-10	1.44E-10
3104	493363.09, 3845877.25	2.64E-06	4.17E-10	1.45E-10	3.24E-06	5.10E-10	1.78E-10	2.84E-06	4.47E-10	1.56E-10
3105	493863.09, 3845877.25	2.88E-06	4.53E-10	1.58E-10	3.52E-06	5.55E-10	1.93E-10	3.09E-06	4.87E-10	1.70E-10
3106	494363.09, 3845877.25	3.07E-06	4.84E-10	1.69E-10	3.76E-06	5.93E-10	2.07E-10	3.30E-06	5.20E-10	1.81E-10
3107	494863.09, 3845877.25	3.25E-06	5.12E-10	1.78E-10	3.98E-06	6.27E-10	2.19E-10	3.49E-06	5.50E-10	1.92E-10
3108	495363.09, 3845877.25	3.49E-06	5.49E-10	1.91E-10	4.27E-06	6.73E-10	2.34E-10	3.74E-06	5.90E-10	2.06E-10
3109	495863.09, 3845877.25	3.75E-06	5.90E-10	2.06E-10	4.59E-06	7.23E-10	2.52E-10	4.02E-06	6.34E-10	2.21E-10
3110	496363.09, 3845877.25	4.03E-06	6.35E-10	2.21E-10	4.94E-06	7.78E-10	2.71E-10	4.33E-06	6.82E-10	2.37E-10
3111	496863.09, 3845877.25	4.25E-06	6.69E-10	2.33E-10	5.21E-06	8.20E-10	2.86E-10	4.56E-06	7.19E-10	2.50E-10
3112	497363.09, 3845877.25	4.47E-06	7.03E-10	2.45E-10	5.47E-06	8.62E-10	3.00E-10	4.79E-06	7.55E-10	2.63E-10
3113	497863.09, 3845877.25	4.74E-06	7.47E-10	2.60E-10	5.81E-06	9.15E-10	3.19E-10	5.09E-06	8.02E-10	2.79E-10
3114	498363.09, 3845877.25	5.00E-06	7.87E-10	2.74E-10	6.12E-06	9.64E-10	3.36E-10	5.37E-06	8.45E-10	2.94E-10
3115	471363.09, 3846377.25	1.07E-05	1.68E-09	5.87E-10	1.31E-05	2.06E-09	7.19E-10	1.15E-05	1.81E-09	6.30E-10
3116	471863.09, 3846377.25	9.95E-06	1.57E-09	5.46E-10	1.22E-05	1.92E-09	6.69E-10	1.07E-05	1.68E-09	5.87E-10
3117	472363.09, 3846377.25	7.40E-06	1.17E-09	4.06E-10	9.07E-06	1.43E-09	4.98E-10	7.95E-06	1.25E-09	4.36E-10
3118	472863.09, 3846377.25	7.50E-06	1.18E-09	4.12E-10	9.19E-06	1.45E-09	5.04E-10	8.05E-06	1.27E-09	4.42E-10
3119	473363.09, 3846377.25	7.40E-06	1.17E-09	4.06E-10	9.06E-06	1.43E-09	4.97E-10	7.95E-06	1.25E-09	4.36E-10
3120	473863.09, 3846377.25	7.45E-06	1.17E-09	4.09E-10	9.13E-06	1.44E-09	5.01E-10	8.00E-06	1.26E-09	4.39E-10
3121	474363.09, 3846377.25	7.77E-06	1.22E-09	4.26E-10	9.52E-06	1.50E-09	5.22E-10	8.34E-06	1.31E-09	4.58E-10
3122	474863.09, 3846377.25	9.01E-06	1.42E-09	4.94E-10	1.10E-05	1.74E-09	6.06E-10	9.68E-06	1.52E-09	5.31E-10
3123	475363.09, 3846377.25	1.12E-05	1.76E-09	6.14E-10	1.37E-05	2.16E-09	7.52E-10	1.20E-05	1.89E-09	6.59E-10
3124	475863.09, 3846377.25	1.39E-05	2.19E-09	7.63E-10	1.70E-05	2.68E-09	9.35E-10	1.49E-05	2.35E-09	8.20E-10
3125	476363.09, 3846377.25	1.39E-05	2.20E-09	7.66E-10	1.71E-05	2.69E-09	9.38E-10	1.50E-05	2.36E-09	8.22E-10
3126	476863.09, 3846377.25	1.29E-05	2.03E-09	7.07E-10	1.58E-05	2.49E-09	8.66E-10	1.38E-05	2.18E-09	7.59E-10
3127	477363.09, 3846377.25	1.16E-05	1.83E-09	6.37E-10	1.42E-05	2.24E-09	7.80E-10	1.25E-05	1.96E-09	6.84E-10
3128	477863.09, 3846377.25	9.45E-06	1.49E-09	5.19E-10	1.16E-05	1.82E-09	6.35E-10	1.01E-05	1.60E-09	5.57E-10
3129	478363.09, 3846377.25	8.55E-06	1.35E-09	4.69E-10	1.05E-05	1.65E-09	5.75E-10	9.18E-06	1.45E-09	5.04E-10
3130	478863.09, 3846377.25	8.55E-06	1.35E-09	4.69E-10	1.05E-05	1.65E-09	5.75E-10	9.18E-06	1.45E-09	5.04E-10
3131	479363.09, 3846377.25	8.20E-06	1.29E-09	4.50E-10	1.00E-05	1.58E-09	5.51E-10	8.81E-06	1.39E-09	4.83E-10
3132	479863.09, 3846377.25	7.42E-06	1.17E-09	4.07E-10	9.09E-06	1.43E-09	4.99E-10	7.97E-06	1.26E-09	4.37E-10
3133	480363.09, 3846377.25	7.27E-06	1.15E-09	3.99E-10	8.91E-06	1.40E-09	4.89E-10	7.81E-06	1.23E-09	4.29E-10
3134	480863.09, 3846377.25	5.96E-06	9.39E-10	3.27E-10	7.30E-06	1.15E-09	4.01E-10	6.40E-06	1.01E-09	3.52E-10
3135	481363.09, 3846377.25	5.61E-06	8.84E-10	3.08E-10	6.87E-06	1.08E-09	3.77E-10	6.02E-06	9.49E-10	3.31E-10
3136	481863.09, 3846377.25	4.99E-06	7.86E-10	2.74E-10	6.11E-06	9.62E-10	3.35E-10	5.36E-06	8.44E-10	2.94E-10
3137	482363.09, 3846377.25	4.29E-06	6.76E-10	2.36E-10	5.26E-06	8.28E-10	2.89E-10	4.61E-06	7.27E-10	2.53E-10
3138	482863.09, 3846377.25	3.64E-06	5.73E-10	2.00E-10	4.46E-06	7.02E-10	2.45E-10	3.91E-06	6.16E-10	2.14E-10
3139	483363.09, 3846377.25	3.82E-06	6.01E-10	2.09E-10	4.68E-06	7.37E-10	2.57E-10	4.10E-06	6.46E-10	2.25E-10
3140	483863.09, 3846377.25	3.65E-06	5.75E-10	2.00E-10	4.47E-06	7.05E-10	2.46E-10	3.92E-06	6.18E-10	2.15E-10
3141	484363.09, 3846377.25	3.26E-06	5.14E-10	1.79E-10	3.99E-06	6.29E-10	2.19E-10	3.50E-06	5.52E-10	1.92E-10
3142	484863.09, 3846377.25	3.49E-06	5.50E-10	1.92E-10	4.28E-06	6.74E-10	2.35E-10	3.75E-06	5.91E-10	2.06E-10
3143	485363.09, 3846377.25	3.42E-06	5.39E-10	1.88E-10	4.19E-06	6.60E-10	2.30E-10	3.67E-06	5.79E-10	2.02E-10
3144	485863.09, 3846377.25	3.09E-06	4.87E-10	1.70E-10	3.79E-06	5.97E-10	2.08E-10	3.32E-06	5.23E-10	1.82E-10
3145	486363.09, 3846377.25	2.61E-06	4.12E-10	1.44E-10	3.20E-06	5.05E-10	1.76E-10	2.81E-06	4.42E-10	1.54E-10
3146	486863.09, 3846377.25	2.50E-06	3.94E-10	1.37E-10	3.06E-06	4.83E-10	1.68E-10	2.69E-06	4.23E-10	1.47E-10
3147	487363.09, 3846377.25	2.52E-06	3.98E-10	1.39E-10	3.09E-06	4.87E-10	1.70E-10	2.71E-06	4.27E-10	1.49E-10
3148	487863.09, 3846377.25	2.70E-06	4.25E-10	1.48E-10	3.30E-06	5.21E-10	1.81E-10	2.90E-06	4.56E-10	1.59E-10
3149	488363.09, 3846377.25	2.62E-06	4.12E-10	1.44E-10	3.20E-06	5.05E-10	1.76E-10	2.81E-06	4.43E-10	1.54E-10
3150	488863.09, 3846377.25	2.62E-06	4.13E-10	1.44E-10	3.21E-06	5.06E-10	1.76E-10	2.81E-06	4.43E-10	1.54E-10
3151	489363.09, 3846377.25	2.57E-06	4.05E-10	1.41E-10	3.15E-06	4.97E-10	1.73E-10	2.76E-06	4.36E-10	1.52E-10
3152	489863.09, 3846377.25	2.48E-06	3.91E-10	1.36E-10	3.04E-06	4.79E-10	1.67E-10	2.66E-06	4.20E-10	1.46E-10
3153	490363.09, 3846377.25	2.23E-06	3.52E-10	1.23E-10	2.74E-06	4.31E-10	1.50E-10	2.40E-06	3.78E-10	1.32E-10
3154	490863.09, 3846377.25	2.18E-06	3.44E-10	1.20E-10	2.67E-06	4.21E-10	1.47E-10	2.34E-06	3.69E-10	1.29E-10
3155	491363.09, 3846377.25	2.24E-06	3.53E-10	1.23E-10	2.75E-06	4.33E-10	1.51E-10	2.41E-06	3.79E-10	1.32E-10
3156	491863.09, 3846377.25	2.51E-06	3.96E-10	1.38E-10	3.08E-06	4.85E-10	1.69E-10	2.70E-06	4.25E-10	1.48E-10
3157	492363.09, 3846377.25	2.54E-06	4.01E-10	1.40E-10	3.12E-06	4.91E-10	1.71E-10	2.73E-06	4.30E-10	1.50E-10
3158	492863.09, 3846377.25	2.67E-06	4.20E-10	1.46E-10	3.26E-06	5.14E-10	1.79E-10	2.86E-06	4.51E-10	1.57E-10

3159	493363.09, 3846377.25	2.98E-06	4.69E-10	1.63E-10	3.65E-06	5.75E-10	2.00E-10	3.20E-06	5.04E-10	1.76E-10
3160	493863.09, 3846377.25	3.23E-06	5.09E-10	1.77E-10	3.96E-06	6.23E-10	2.17E-10	3.47E-06	5.47E-10	1.90E-10
3161	494363.09, 3846377.25	3.47E-06	5.46E-10	1.90E-10	4.25E-06	6.69E-10	2.33E-10	3.72E-06	5.87E-10	2.04E-10
3162	494863.09, 3846377.25	3.70E-06	5.83E-10	2.03E-10	4.53E-06	7.14E-10	2.49E-10	3.98E-06	6.26E-10	2.18E-10
3163	495363.09, 3846377.25	3.96E-06	6.24E-10	2.17E-10	4.85E-06	7.64E-10	2.66E-10	4.25E-06	6.70E-10	2.33E-10
3164	495863.09, 3846377.25	4.29E-06	6.75E-10	2.35E-10	5.25E-06	8.27E-10	2.88E-10	4.60E-06	7.25E-10	2.53E-10
3165	496363.09, 3846377.25	4.61E-06	7.26E-10	2.53E-10	5.64E-06	8.89E-10	3.10E-10	4.95E-06	7.79E-10	2.71E-10
3166	496863.09, 3846377.25	4.94E-06	7.78E-10	2.71E-10	6.05E-06	9.53E-10	3.32E-10	5.30E-06	8.35E-10	2.91E-10
3167	497363.09, 3846377.25	5.25E-06	8.28E-10	2.88E-10	6.44E-06	1.01E-09	3.53E-10	5.64E-06	8.89E-10	3.10E-10
3168	497863.09, 3846377.25	5.55E-06	8.75E-10	3.05E-10	6.80E-06	1.07E-09	3.73E-10	5.96E-06	9.39E-10	3.27E-10
3169	498363.09, 3846377.25	5.83E-06	9.18E-10	3.20E-10	7.14E-06	1.12E-09	3.92E-10	6.26E-06	9.86E-10	3.43E-10
3170	471363.09, 3846877.25	1.17E-05	1.84E-09	6.41E-10	1.43E-05	2.25E-09	7.85E-10	1.25E-05	1.98E-09	6.89E-10
3171	471863.09, 3846877.25	1.18E-05	1.85E-09	6.46E-10	1.44E-05	2.27E-09	7.91E-10	1.26E-05	1.99E-09	6.94E-10
3172	472363.09, 3846877.25	1.14E-05	1.79E-09	6.25E-10	1.39E-05	2.20E-09	7.65E-10	1.22E-05	1.93E-09	6.71E-10
3173	472863.09, 3846877.25	7.94E-06	1.25E-09	4.36E-10	9.72E-06	1.53E-09	5.33E-10	8.52E-06	1.34E-09	4.68E-10
3174	473363.09, 3846877.25	8.66E-06	1.36E-09	4.75E-10	1.06E-05	1.67E-09	5.82E-10	9.30E-06	1.46E-09	5.10E-10
3175	473863.09, 3846877.25	9.23E-06	1.45E-09	5.06E-10	1.13E-05	1.78E-09	6.20E-10	9.91E-06	1.56E-09	5.44E-10
3176	474363.09, 3846877.25	8.75E-06	1.38E-09	4.80E-10	1.07E-05	1.69E-09	5.88E-10	9.40E-06	1.48E-09	5.16E-10
3177	474863.09, 3846877.25	8.77E-06	1.38E-09	4.81E-10	1.07E-05	1.69E-09	5.89E-10	9.42E-06	1.48E-09	5.17E-10
3178	475363.09, 3846877.25	9.56E-06	1.51E-09	5.25E-10	1.17E-05	1.84E-09	6.43E-10	1.03E-05	1.62E-09	5.64E-10
3179	475863.09, 3846877.25	1.25E-05	1.97E-09	6.85E-10	1.53E-05	2.41E-09	8.39E-10	1.34E-05	2.11E-09	7.36E-10
3180	476363.09, 3846877.25	1.52E-05	2.40E-09	8.37E-10	1.87E-05	2.94E-09	1.02E-09	1.64E-05	2.58E-09	8.99E-10
3181	476863.09, 3846877.25	1.53E-05	2.41E-09	8.41E-10	1.88E-05	2.96E-09	1.03E-09	1.65E-05	2.59E-09	9.04E-10
3182	477363.09, 3846877.25	1.43E-05	2.25E-09	7.83E-10	1.75E-05	2.75E-09	9.60E-10	1.53E-05	2.42E-09	8.41E-10
3183	477863.09, 3846877.25	1.24E-05	1.96E-09	6.81E-10	1.52E-05	2.39E-09	8.34E-10	1.33E-05	2.10E-09	7.32E-10
3184	478363.09, 3846877.25	1.05E-05	1.66E-09	5.79E-10	1.29E-05	2.03E-09	7.09E-10	1.13E-05	1.78E-09	6.21E-10
3185	478863.09, 3846877.25	1.01E-05	1.60E-09	5.56E-10	1.24E-05	1.96E-09	6.81E-10	1.09E-05	1.72E-09	5.98E-10
3186	479363.09, 3846877.25	9.73E-06	1.53E-09	5.34E-10	1.19E-05	1.88E-09	6.54E-10	1.04E-05	1.65E-09	5.73E-10
3187	479863.09, 3846877.25	7.59E-06	1.20E-09	4.17E-10	9.30E-06	1.46E-09	5.10E-10	8.15E-06	1.28E-09	4.47E-10
3188	480363.09, 3846877.25	6.38E-06	1.01E-09	3.50E-10	7.82E-06	1.23E-09	4.29E-10	6.86E-06	1.08E-09	3.76E-10
3189	480863.09, 3846877.25	5.78E-06	9.11E-10	3.17E-10	7.08E-06	1.12E-09	3.89E-10	6.21E-06	9.79E-10	3.41E-10
3190	481363.09, 3846877.25	5.87E-06	9.25E-10	3.22E-10	7.19E-06	1.13E-09	3.95E-10	6.31E-06	9.94E-10	3.46E-10
3191	481863.09, 3846877.25	5.62E-06	8.86E-10	3.09E-10	6.89E-06	1.08E-09	3.78E-10	6.04E-06	9.51E-10	3.31E-10
3192	482363.09, 3846877.25	4.63E-06	7.30E-10	2.54E-10	5.67E-06	8.94E-10	3.11E-10	4.98E-06	7.84E-10	2.73E-10
3193	482863.09, 3846877.25	4.52E-06	7.11E-10	2.48E-10	5.53E-06	8.72E-10	3.04E-10	4.85E-06	7.64E-10	2.66E-10
3194	483363.09, 3846877.25	4.44E-06	7.00E-10	2.44E-10	5.44E-06	8.58E-10	2.99E-10	4.77E-06	7.52E-10	2.62E-10
3195	483863.09, 3846877.25	4.22E-06	6.65E-10	2.32E-10	5.17E-06	8.14E-10	2.84E-10	4.53E-06	7.14E-10	2.49E-10
3196	484363.09, 3846877.25	4.07E-06	6.41E-10	2.23E-10	4.98E-06	7.85E-10	2.74E-10	4.37E-06	6.89E-10	2.40E-10
3197	484863.09, 3846877.25	3.90E-06	6.15E-10	2.14E-10	4.78E-06	7.53E-10	2.62E-10	4.19E-06	6.61E-10	2.30E-10
3198	485363.09, 3846877.25	3.83E-06	6.03E-10	2.10E-10	4.69E-06	7.39E-10	2.57E-10	4.11E-06	6.48E-10	2.26E-10
3199	485863.09, 3846877.25	3.50E-06	5.52E-10	1.92E-10	4.29E-06	6.76E-10	2.36E-10	3.76E-06	5.93E-10	2.07E-10
3200	486363.09, 3846877.25	3.53E-06	5.57E-10	1.94E-10	4.33E-06	6.82E-10	2.38E-10	3.80E-06	5.98E-10	2.08E-10
3201	486863.09, 3846877.25	3.09E-06	4.87E-10	1.70E-10	3.79E-06	5.96E-10	2.08E-10	3.32E-06	5.23E-10	1.82E-10
3202	487363.09, 3846877.25	3.11E-06	4.91E-10	1.71E-10	3.82E-06	6.01E-10	2.09E-10	3.35E-06	5.27E-10	1.84E-10
3203	487863.09, 3846877.25	3.01E-06	4.74E-10	1.65E-10	3.69E-06	5.81E-10	2.02E-10	3.23E-06	5.09E-10	1.77E-10
3204	488363.09, 3846877.25	2.91E-06	4.59E-10	1.60E-10	3.57E-06	5.62E-10	1.96E-10	3.13E-06	4.93E-10	1.72E-10
3205	488863.09, 3846877.25	2.91E-06	4.59E-10	1.60E-10	3.57E-06	5.62E-10	1.96E-10	3.13E-06	4.93E-10	1.72E-10
3206	489363.09, 3846877.25	2.89E-06	4.55E-10	1.58E-10	3.53E-06	5.57E-10	1.94E-10	3.10E-06	4.88E-10	1.70E-10
3207	489863.09, 3846877.25	2.82E-06	4.44E-10	1.55E-10	3.45E-06	5.44E-10	1.89E-10	3.03E-06	4.77E-10	1.66E-10
3208	490363.09, 3846877.25	2.59E-06	4.08E-10	1.42E-10	3.18E-06	5.00E-10	1.74E-10	2.78E-06	4.38E-10	1.53E-10
3209	490863.09, 3846877.25	2.60E-06	4.10E-10	1.43E-10	3.18E-06	5.02E-10	1.75E-10	2.79E-06	4.39E-10	1.53E-10
3210	491363.09, 3846877.25	2.67E-06	4.21E-10	1.47E-10	3.27E-06	5.16E-10	1.80E-10	2.87E-06	4.52E-10	1.57E-10
3211	491863.09, 3846877.25	2.66E-06	4.20E-10	1.46E-10	3.26E-06	5.14E-10	1.79E-10	2.86E-06	4.51E-10	1.57E-10
3212	492363.09, 3846877.25	3.04E-06	4.79E-10	1.67E-10	3.72E-06	5.86E-10	2.04E-10	3.26E-06	5.14E-10	1.79E-10
3213	492863.09, 3846877.25	3.22E-06	5.07E-10	1.76E-10	3.94E-06	6.21E-10	2.16E-10	3.45E-06	5.44E-10	1.90E-10
3214	493363.09, 3846877.25	3.49E-06	5.49E-10	1.91E-10	4.27E-06	6.73E-10	2.34E-10	3.75E-06	5.90E-10	2.06E-10
3215	493863.09, 3846877.25	3.72E-06	5.86E-10	2.04E-10	4.56E-06	7.18E-10	2.50E-10	4.00E-06	6.30E-10	2.19E-10
3216	494363.09, 3846877.25	3.92E-06	6.17E-10	2.15E-10	4.80E-06	7.56E-10	2.63E-10	4.21E-06	6.63E-10	2.31E-10
3217	494863.09, 3846877.25	4.20E-06	6.61E-10	2.30E-10	5.14E-06	8.10E-10	2.82E-10	4.51E-06	7.10E-10	2.47E-10
3218	495363.09, 3846877.25	4.47E-06	7.03E-10	2.45E-10	5.47E-06	8.62E-10	3.00E-10	4.79E-06	7.55E-10	2.63E-10
3219	495863.09, 3846877.25	4.77E-06	7.51E-10	2.62E-10	5.84E-06	9.20E-10	3.21E-10	5.12E-06	8.06E-10	2.81E-10
3220	496363.09, 3846877.25	5.10E-06	8.03E-10	2.80E-10	6.25E-06	9.84E-10	3.43E-10	5.47E-06	8.62E-10	3.00E-10

3221	496863.09, 3846877.25	5.51E-06	8.69E-10	3.03E-10	6.75E-06	1.06E-09	3.71E-10	5.92E-06	9.32E-10	3.25E-10
3222	497363.09, 3846877.25	6.07E-06	9.56E-10	3.33E-10	7.43E-06	1.17E-09	4.08E-10	6.51E-06	1.03E-09	3.57E-10
3223	497863.09, 3846877.25	6.58E-06	1.04E-09	3.61E-10	8.06E-06	1.27E-09	4.42E-10	7.06E-06	1.11E-09	3.88E-10
3224	498363.09, 3846877.25	6.84E-06	1.08E-09	3.75E-10	8.37E-06	1.32E-09	4.60E-10	7.34E-06	1.16E-09	4.03E-10
3225	471363.09, 3847377.25	1.25E-05	1.97E-09	6.87E-10	1.53E-05	2.41E-09	8.41E-10	1.34E-05	2.12E-09	7.38E-10
3226	471863.09, 3847377.25	1.27E-05	2.01E-09	6.99E-10	1.56E-05	2.46E-09	8.57E-10	1.37E-05	2.16E-09	7.51E-10
3227	472363.09, 3847377.25	1.29E-05	2.03E-09	7.09E-10	1.58E-05	2.49E-09	8.68E-10	1.39E-05	2.19E-09	7.61E-10
3228	472863.09, 3847377.25	1.26E-05	1.98E-09	6.89E-10	1.54E-05	2.42E-09	8.44E-10	1.35E-05	2.13E-09	7.40E-10
3229	473363.09, 3847377.25	1.05E-05	1.66E-09	5.79E-10	1.29E-05	2.04E-09	7.09E-10	1.13E-05	1.78E-09	6.22E-10
3230	473863.09, 3847377.25	1.04E-05	1.64E-09	5.72E-10	1.28E-05	2.01E-09	7.01E-10	1.12E-05	1.76E-09	6.15E-10
3231	474363.09, 3847377.25	1.08E-05	1.71E-09	5.95E-10	1.33E-05	2.09E-09	7.28E-10	1.16E-05	1.83E-09	6.39E-10
3232	474863.09, 3847377.25	1.00E-05	1.58E-09	5.50E-10	1.23E-05	1.93E-09	6.74E-10	1.08E-05	1.70E-09	5.91E-10
3233	475363.09, 3847377.25	9.45E-06	1.49E-09	5.19E-10	1.16E-05	1.82E-09	6.36E-10	1.02E-05	1.60E-09	5.57E-10
3234	475863.09, 3847377.25	1.12E-05	1.76E-09	6.13E-10	1.37E-05	2.16E-09	7.51E-10	1.20E-05	1.89E-09	6.58E-10
3235	476363.09, 3847377.25	1.48E-05	2.33E-09	8.11E-10	1.81E-05	2.85E-09	9.94E-10	1.59E-05	2.50E-09	8.71E-10
3236	476863.09, 3847377.25	1.70E-05	2.67E-09	9.32E-10	2.08E-05	3.28E-09	1.14E-09	1.82E-05	2.87E-09	1.00E-09
3237	477363.09, 3847377.25	1.74E-05	2.74E-09	9.56E-10	2.13E-05	3.36E-09	1.17E-09	1.87E-05	2.95E-09	1.03E-09
3238	477863.09, 3847377.25	1.58E-05	2.49E-09	8.66E-10	1.93E-05	3.04E-09	1.06E-09	1.69E-05	2.67E-09	9.30E-10
3239	478363.09, 3847377.25	1.40E-05	2.20E-09	7.66E-10	1.71E-05	2.69E-09	9.38E-10	1.50E-05	2.36E-09	8.23E-10
3240	478863.09, 3847377.25	1.24E-05	1.95E-09	6.79E-10	1.52E-05	2.39E-09	8.32E-10	1.33E-05	2.09E-09	7.29E-10
3241	479363.09, 3847377.25	9.93E-06	1.56E-09	5.45E-10	1.22E-05	1.92E-09	6.67E-10	1.07E-05	1.68E-09	5.86E-10
3242	479863.09, 3847377.25	7.38E-06	1.16E-09	4.05E-10	9.05E-06	1.43E-09	4.96E-10	7.93E-06	1.25E-09	4.35E-10
3243	480363.09, 3847377.25	5.05E-06	7.95E-10	2.77E-10	6.18E-06	9.74E-10	3.39E-10	5.42E-06	8.54E-10	2.97E-10
3244	480863.09, 3847377.25	4.48E-06	7.06E-10	2.46E-10	5.49E-06	8.64E-10	3.01E-10	4.81E-06	7.58E-10	2.64E-10
3245	481363.09, 3847377.25	4.91E-06	7.73E-10	2.69E-10	6.01E-06	9.47E-10	3.30E-10	5.27E-06	8.31E-10	2.89E-10
3246	481863.09, 3847377.25	6.22E-06	9.80E-10	3.42E-10	7.62E-06	1.20E-09	4.18E-10	6.68E-06	1.05E-09	3.67E-10
3247	482363.09, 3847377.25	5.79E-06	9.12E-10	3.18E-10	7.09E-06	1.12E-09	3.89E-10	6.22E-06	9.79E-10	3.41E-10
3248	482863.09, 3847377.25	5.28E-06	8.31E-10	2.90E-10	6.46E-06	1.02E-09	3.55E-10	5.67E-06	8.93E-10	3.11E-10
3249	483363.09, 3847377.25	5.02E-06	7.90E-10	2.75E-10	6.14E-06	9.68E-10	3.37E-10	5.39E-06	8.49E-10	2.96E-10
3250	483863.09, 3847377.25	4.82E-06	7.60E-10	2.65E-10	5.91E-06	9.30E-10	3.24E-10	5.18E-06	8.16E-10	2.84E-10
3251	484363.09, 3847377.25	4.92E-06	7.75E-10	2.70E-10	6.02E-06	9.49E-10	3.31E-10	5.28E-06	8.32E-10	2.90E-10
3252	484863.09, 3847377.25	4.61E-06	7.26E-10	2.53E-10	5.65E-06	8.89E-10	3.10E-10	4.95E-06	7.80E-10	2.72E-10
3253	485363.09, 3847377.25	4.43E-06	6.99E-10	2.43E-10	5.43E-06	8.56E-10	2.98E-10	4.76E-06	7.51E-10	2.61E-10
3254	485863.09, 3847377.25	4.27E-06	6.73E-10	2.34E-10	5.23E-06	8.24E-10	2.87E-10	4.59E-06	7.23E-10	2.52E-10
3255	486363.09, 3847377.25	4.18E-06	6.59E-10	2.30E-10	5.13E-06	8.07E-10	2.81E-10	4.50E-06	7.08E-10	2.47E-10
3256	486863.09, 3847377.25	3.76E-06	5.92E-10	2.06E-10	4.60E-06	7.25E-10	2.53E-10	4.04E-06	6.36E-10	2.22E-10
3257	487363.09, 3847377.25	3.72E-06	5.86E-10	2.04E-10	4.56E-06	7.18E-10	2.50E-10	4.00E-06	6.30E-10	2.19E-10
3258	487863.09, 3847377.25	3.42E-06	5.38E-10	1.88E-10	4.19E-06	6.60E-10	2.30E-10	3.67E-06	5.78E-10	2.02E-10
3259	488363.09, 3847377.25	3.35E-06	5.27E-10	1.84E-10	4.10E-06	6.45E-10	2.25E-10	3.59E-06	5.66E-10	1.97E-10
3260	488863.09, 3847377.25	3.30E-06	5.20E-10	1.81E-10	4.04E-06	6.37E-10	2.22E-10	3.54E-06	5.58E-10	1.95E-10
3261	489363.09, 3847377.25	3.30E-06	5.20E-10	1.81E-10	4.04E-06	6.37E-10	2.22E-10	3.54E-06	5.58E-10	1.95E-10
3262	489863.09, 3847377.25	3.18E-06	5.00E-10	1.74E-10	3.89E-06	6.13E-10	2.14E-10	3.41E-06	5.37E-10	1.87E-10
3263	490363.09, 3847377.25	3.11E-06	4.90E-10	1.71E-10	3.81E-06	6.01E-10	2.09E-10	3.34E-06	5.26E-10	1.83E-10
3264	490863.09, 3847377.25	3.17E-06	4.99E-10	1.74E-10	3.88E-06	6.12E-10	2.13E-10	3.40E-06	5.36E-10	1.87E-10
3265	491363.09, 3847377.25	3.20E-06	5.04E-10	1.76E-10	3.92E-06	6.17E-10	2.15E-10	3.43E-06	5.41E-10	1.88E-10
3266	491863.09, 3847377.25	3.49E-06	5.50E-10	1.91E-10	4.27E-06	6.73E-10	2.35E-10	3.75E-06	5.90E-10	2.06E-10
3267	492363.09, 3847377.25	3.57E-06	5.63E-10	1.96E-10	4.37E-06	6.89E-10	2.40E-10	3.83E-06	6.04E-10	2.10E-10
3268	492863.09, 3847377.25	3.84E-06	6.05E-10	2.11E-10	4.71E-06	7.41E-10	2.58E-10	4.13E-06	6.50E-10	2.26E-10
3269	493363.09, 3847377.25	4.06E-06	6.39E-10	2.23E-10	4.97E-06	7.83E-10	2.73E-10	4.36E-06	6.86E-10	2.39E-10
3270	493863.09, 3847377.25	4.19E-06	6.61E-10	2.30E-10	5.14E-06	8.09E-10	2.82E-10	4.50E-06	7.09E-10	2.47E-10
3271	494363.09, 3847377.25	4.35E-06	6.86E-10	2.39E-10	5.33E-06	8.40E-10	2.93E-10	4.68E-06	7.37E-10	2.57E-10
3272	494863.09, 3847377.25	4.61E-06	7.25E-10	2.53E-10	5.64E-06	8.89E-10	3.10E-10	4.94E-06	7.79E-10	2.71E-10
3273	495363.09, 3847377.25	4.89E-06	7.70E-10	2.68E-10	5.99E-06	9.43E-10	3.29E-10	5.25E-06	8.26E-10	2.88E-10
3274	495863.09, 3847377.25	5.22E-06	8.22E-10	2.87E-10	6.40E-06	1.01E-09	3.51E-10	5.60E-06	8.83E-10	3.08E-10
3275	496363.09, 3847377.25	5.55E-06	8.75E-10	3.05E-10	6.80E-06	1.07E-09	3.73E-10	5.96E-06	9.39E-10	3.27E-10
3276	496863.09, 3847377.25	6.09E-06	9.59E-10	3.34E-10	7.46E-06	1.17E-09	4.09E-10	6.53E-06	1.03E-09	3.59E-10
3277	497363.09, 3847377.25	6.82E-06	1.07E-09	3.74E-10	8.35E-06	1.32E-09	4.58E-10	7.32E-06	1.15E-09	4.02E-10
3278	497863.09, 3847377.25	7.68E-06	1.21E-09	4.22E-10	9.41E-06	1.48E-09	5.17E-10	8.25E-06	1.30E-09	4.53E-10
3279	498363.09, 3847377.25	8.09E-06	1.28E-09	4.44E-10	9.92E-06	1.56E-09	5.44E-10	8.69E-06	1.37E-09	4.77E-10
3280	471363.09, 3847877.25	1.34E-05	2.11E-09	7.37E-10	1.64E-05	2.59E-09	9.02E-10	1.44E-05	2.27E-09	7.91E-10
3281	471863.09, 3847877.25	1.38E-05	2.17E-09	7.56E-10	1.69E-05	2.66E-09	9.26E-10	1.48E-05	2.33E-09	8.12E-10
3282	472363.09, 3847877.25	1.40E-05	2.21E-09	7.70E-10	1.72E-05	2.71E-09	9.43E-10	1.51E-05	2.37E-09	8.27E-10

3283	472863.09, 3847877.25	1.42E-05	2.24E-09	7.79E-10	1.74E-05	2.74E-09	9.54E-10	1.52E-05	2.40E-09	8.37E-10
3284	473363.09, 3847877.25	1.44E-05	2.27E-09	7.89E-10	1.76E-05	2.77E-09	9.67E-10	1.54E-05	2.43E-09	8.48E-10
3285	473863.09, 3847877.25	1.38E-05	2.18E-09	7.58E-10	1.69E-05	2.67E-09	9.29E-10	1.48E-05	2.34E-09	8.15E-10
3286	474363.09, 3847877.25	1.21E-05	1.90E-09	6.62E-10	1.48E-05	2.33E-09	8.11E-10	1.30E-05	2.04E-09	7.11E-10
3287	474863.09, 3847877.25	1.25E-05	1.97E-09	6.85E-10	1.53E-05	2.41E-09	8.39E-10	1.34E-05	2.11E-09	7.36E-10
3288	475363.09, 3847877.25	1.14E-05	1.80E-09	6.28E-10	1.40E-05	2.21E-09	7.69E-10	1.23E-05	1.94E-09	6.75E-10
3289	475863.09, 3847877.25	1.06E-05	1.66E-09	5.79E-10	1.29E-05	2.04E-09	7.09E-10	1.13E-05	1.79E-09	6.22E-10
3290	476363.09, 3847877.25	1.32E-05	2.08E-09	7.25E-10	1.62E-05	2.55E-09	8.88E-10	1.42E-05	2.23E-09	7.79E-10
3291	476863.09, 3847877.25	1.64E-05	2.59E-09	9.02E-10	2.01E-05	3.17E-09	1.10E-09	1.77E-05	2.78E-09	9.69E-10
3292	477363.09, 3847877.25	1.94E-05	3.06E-09	1.07E-09	2.38E-05	3.75E-09	1.31E-09	2.09E-05	3.29E-09	1.15E-09
3293	477863.09, 3847877.25	1.97E-05	3.10E-09	1.08E-09	2.41E-05	3.80E-09	1.32E-09	2.11E-05	3.33E-09	1.16E-09
3294	478363.09, 3847877.25	1.78E-05	2.81E-09	9.79E-10	2.18E-05	3.44E-09	1.20E-09	1.92E-05	3.02E-09	1.05E-09
3295	478863.09, 3847877.25	1.54E-05	2.43E-09	8.46E-10	1.89E-05	2.97E-09	1.04E-09	1.65E-05	2.61E-09	9.08E-10
3296	479363.09, 3847877.25	1.03E-05	1.62E-09	5.64E-10	1.26E-05	1.98E-09	6.91E-10	1.10E-05	1.74E-09	6.06E-10
3297	479863.09, 3847877.25	5.97E-06	9.41E-10	3.28E-10	7.31E-06	1.15E-09	4.01E-10	6.42E-06	1.01E-09	3.52E-10
3298	480363.09, 3847877.25	6.17E-06	9.72E-10	3.39E-10	7.56E-06	1.19E-09	4.15E-10	6.63E-06	1.04E-09	3.64E-10
3299	480863.09, 3847877.25	5.35E-06	8.43E-10	2.94E-10	6.55E-06	1.03E-09	3.60E-10	5.75E-06	9.05E-10	3.15E-10
3300	481363.09, 3847877.25	5.40E-06	8.50E-10	2.96E-10	6.61E-06	1.04E-09	3.63E-10	5.80E-06	9.14E-10	3.18E-10
3301	481863.09, 3847877.25	7.41E-06	1.17E-09	4.07E-10	9.08E-06	1.43E-09	4.98E-10	7.96E-06	1.25E-09	4.37E-10
3302	482363.09, 3847877.25	6.92E-06	1.09E-09	3.80E-10	8.48E-06	1.34E-09	4.65E-10	7.43E-06	1.17E-09	4.08E-10
3303	482863.09, 3847877.25	6.02E-06	9.49E-10	3.31E-10	7.38E-06	1.16E-09	4.05E-10	6.47E-06	1.02E-09	3.55E-10
3304	483363.09, 3847877.25	5.80E-06	9.14E-10	3.18E-10	7.11E-06	1.12E-09	3.90E-10	6.23E-06	9.82E-10	3.42E-10
3305	483863.09, 3847877.25	5.64E-06	8.88E-10	3.09E-10	6.91E-06	1.09E-09	3.79E-10	6.06E-06	9.55E-10	3.33E-10
3306	484363.09, 3847877.25	5.73E-06	9.02E-10	3.14E-10	7.01E-06	1.10E-09	3.85E-10	6.15E-06	9.69E-10	3.37E-10
3307	484863.09, 3847877.25	5.47E-06	8.62E-10	3.00E-10	6.70E-06	1.06E-09	3.68E-10	5.88E-06	9.26E-10	3.23E-10
3308	485363.09, 3847877.25	5.37E-06	8.46E-10	2.95E-10	6.57E-06	1.04E-09	3.61E-10	5.77E-06	9.09E-10	3.17E-10
3309	485863.09, 3847877.25	5.24E-06	8.25E-10	2.87E-10	6.41E-06	1.01E-09	3.52E-10	5.62E-06	8.86E-10	3.09E-10
3310	486363.09, 3847877.25	4.78E-06	7.53E-10	2.62E-10	5.86E-06	9.23E-10	3.21E-10	5.14E-06	8.09E-10	2.82E-10
3311	486863.09, 3847877.25	4.48E-06	7.06E-10	2.46E-10	5.49E-06	8.65E-10	3.01E-10	4.81E-06	7.58E-10	2.64E-10
3312	487363.09, 3847877.25	4.25E-06	6.69E-10	2.33E-10	5.20E-06	8.20E-10	2.86E-10	4.56E-06	7.19E-10	2.50E-10
3313	487863.09, 3847877.25	3.97E-06	6.25E-10	2.18E-10	4.86E-06	7.66E-10	2.67E-10	4.26E-06	6.72E-10	2.34E-10
3314	488363.09, 3847877.25	3.85E-06	6.07E-10	2.11E-10	4.72E-06	7.43E-10	2.59E-10	4.14E-06	6.52E-10	2.27E-10
3315	488863.09, 3847877.25	3.83E-06	6.03E-10	2.10E-10	4.69E-06	7.38E-10	2.57E-10	4.11E-06	6.48E-10	2.26E-10
3316	489363.09, 3847877.25	3.87E-06	6.10E-10	2.13E-10	4.74E-06	7.47E-10	2.60E-10	4.16E-06	6.55E-10	2.28E-10
3317	489863.09, 3847877.25	4.12E-06	6.48E-10	2.26E-10	5.04E-06	7.94E-10	2.77E-10	4.42E-06	6.96E-10	2.42E-10
3318	490363.09, 3847877.25	4.18E-06	6.59E-10	2.30E-10	5.12E-06	8.07E-10	2.81E-10	4.49E-06	7.07E-10	2.46E-10
3319	490863.09, 3847877.25	4.13E-06	6.50E-10	2.27E-10	5.06E-06	7.96E-10	2.77E-10	4.43E-06	6.98E-10	2.43E-10
3320	491363.09, 3847877.25	4.00E-06	6.30E-10	2.20E-10	4.90E-06	7.72E-10	2.69E-10	4.30E-06	6.77E-10	2.36E-10
3321	491863.09, 3847877.25	4.14E-06	6.52E-10	2.27E-10	5.07E-06	7.99E-10	2.78E-10	4.44E-06	7.00E-10	2.44E-10
3322	492363.09, 3847877.25	4.37E-06	6.89E-10	2.40E-10	5.36E-06	8.44E-10	2.94E-10	4.70E-06	7.40E-10	2.58E-10
3323	492863.09, 3847877.25	4.53E-06	7.13E-10	2.48E-10	5.54E-06	8.73E-10	3.04E-10	4.86E-06	7.66E-10	2.67E-10
3324	493363.09, 3847877.25	4.51E-06	7.10E-10	2.47E-10	5.52E-06	8.70E-10	3.03E-10	4.84E-06	7.63E-10	2.66E-10
3325	493863.09, 3847877.25	4.61E-06	7.26E-10	2.53E-10	5.65E-06	8.90E-10	3.10E-10	4.95E-06	7.80E-10	2.72E-10
3326	494363.09, 3847877.25	4.82E-06	7.60E-10	2.65E-10	5.91E-06	9.31E-10	3.24E-10	5.18E-06	8.16E-10	2.84E-10
3327	494863.09, 3847877.25	5.13E-06	8.08E-10	2.81E-10	6.28E-06	9.89E-10	3.45E-10	5.50E-06	8.67E-10	3.02E-10
3328	495363.09, 3847877.25	5.30E-06	8.35E-10	2.91E-10	6.49E-06	1.02E-09	3.56E-10	5.69E-06	8.97E-10	3.12E-10
3329	495863.09, 3847877.25	5.06E-06	7.97E-10	2.78E-10	6.20E-06	9.77E-10	3.40E-10	5.43E-06	8.56E-10	2.98E-10
3330	496363.09, 3847877.25	6.07E-06	9.56E-10	3.33E-10	7.43E-06	1.17E-09	4.08E-10	6.51E-06	1.03E-09	3.58E-10
3331	496863.09, 3847877.25	6.68E-06	1.05E-09	3.67E-10	8.19E-06	1.29E-09	4.49E-10	7.17E-06	1.13E-09	3.94E-10
3332	497363.09, 3847877.25	7.45E-06	1.17E-09	4.09E-10	9.12E-06	1.44E-09	5.01E-10	8.00E-06	1.26E-09	4.39E-10
3333	497863.09, 3847877.25	8.86E-06	1.40E-09	4.86E-10	1.09E-05	1.71E-09	5.96E-10	9.52E-06	1.50E-09	5.22E-10
3334	498363.09, 3847877.25	9.67E-06	1.52E-09	5.31E-10	1.18E-05	1.87E-09	6.50E-10	1.04E-05	1.64E-09	5.70E-10
3335	471363.09, 3848377.25	1.37E-05	2.16E-09	7.51E-10	1.68E-05	2.64E-09	9.20E-10	1.47E-05	2.32E-09	8.07E-10
3336	471863.09, 3848377.25	1.45E-05	2.28E-09	7.93E-10	1.77E-05	2.79E-09	9.72E-10	1.55E-05	2.45E-09	8.52E-10
3337	472363.09, 3848377.25	1.50E-05	2.36E-09	8.22E-10	1.83E-05	2.89E-09	1.01E-09	1.61E-05	2.53E-09	8.83E-10
3338	472863.09, 3848377.25	1.54E-05	2.42E-09	8.44E-10	1.88E-05	2.97E-09	1.03E-09	1.65E-05	2.60E-09	9.07E-10
3339	473363.09, 3848377.25	1.56E-05	2.46E-09	8.58E-10	1.91E-05	3.02E-09	1.05E-09	1.68E-05	2.65E-09	9.22E-10
3340	473863.09, 3848377.25	1.59E-05	2.50E-09	8.71E-10	1.94E-05	3.06E-09	1.07E-09	1.71E-05	2.69E-09	9.36E-10
3341	474363.09, 3848377.25	1.56E-05	2.45E-09	8.55E-10	1.91E-05	3.01E-09	1.05E-09	1.67E-05	2.64E-09	9.19E-10
3342	474863.09, 3848377.25	1.41E-05	2.22E-09	7.73E-10	1.72E-05	2.72E-09	9.47E-10	1.51E-05	2.38E-09	8.30E-10
3343	475363.09, 3848377.25	1.48E-05	2.33E-09	8.13E-10	1.81E-05	2.86E-09	9.96E-10	1.59E-05	2.51E-09	8.74E-10
3344	475863.09, 3848377.25	1.35E-05	2.12E-09	7.40E-10	1.65E-05	2.60E-09	9.07E-10	1.45E-05	2.28E-09	7.95E-10

3345	476363.09, 3848377.25	1.20E-05	1.89E-09	6.60E-10	1.47E-05	2.32E-09	8.08E-10	1.29E-05	2.04E-09	7.09E-10
3346	476863.09, 3848377.25	1.52E-05	2.39E-09	8.34E-10	1.86E-05	2.93E-09	1.02E-09	1.63E-05	2.57E-09	8.96E-10
3347	477363.09, 3848377.25	1.81E-05	2.86E-09	9.96E-10	2.22E-05	3.50E-09	1.22E-09	1.95E-05	3.07E-09	1.07E-09
3348	477863.09, 3848377.25	2.18E-05	3.44E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.34E-05	3.69E-09	1.29E-09
3349	478363.09, 3848377.25	2.19E-05	3.44E-09	1.20E-09	2.68E-05	4.22E-09	1.47E-09	2.35E-05	3.70E-09	1.29E-09
3350	478863.09, 3848377.25	1.90E-05	2.99E-09	1.04E-09	2.32E-05	3.66E-09	1.27E-09	2.04E-05	3.21E-09	1.12E-09
3351	479363.09, 3848377.25	1.29E-05	2.03E-09	7.08E-10	1.58E-05	2.49E-09	8.67E-10	1.38E-05	2.18E-09	7.60E-10
3352	479863.09, 3848377.25	4.41E-06	6.95E-10	2.42E-10	5.40E-06	8.51E-10	2.97E-10	4.74E-06	7.46E-10	2.60E-10
3353	480363.09, 3848377.25	6.25E-06	9.85E-10	3.43E-10	7.66E-06	1.21E-09	4.20E-10	6.72E-06	1.06E-09	3.69E-10
3354	480863.09, 3848377.25	8.80E-06	1.39E-09	4.83E-10	1.08E-05	1.70E-09	5.92E-10	9.45E-06	1.49E-09	5.19E-10
3355	481363.09, 3848377.25	8.62E-06	1.36E-09	4.73E-10	1.06E-05	1.66E-09	5.79E-10	9.26E-06	1.46E-09	5.08E-10
3356	481863.09, 3848377.25	8.77E-06	1.38E-09	4.82E-10	1.07E-05	1.69E-09	5.90E-10	9.43E-06	1.49E-09	5.17E-10
3357	482363.09, 3848377.25	8.78E-06	1.38E-09	4.82E-10	1.08E-05	1.70E-09	5.91E-10	9.43E-06	1.49E-09	5.18E-10
3358	482863.09, 3848377.25	7.37E-06	1.16E-09	4.05E-10	9.03E-06	1.42E-09	4.96E-10	7.92E-06	1.25E-09	4.35E-10
3359	483363.09, 3848377.25	7.12E-06	1.12E-09	3.91E-10	8.72E-06	1.37E-09	4.79E-10	7.65E-06	1.20E-09	4.20E-10
3360	483863.09, 3848377.25	6.42E-06	1.01E-09	3.52E-10	7.86E-06	1.24E-09	4.32E-10	6.90E-06	1.09E-09	3.79E-10
3361	484363.09, 3848377.25	6.31E-06	9.94E-10	3.46E-10	7.73E-06	1.22E-09	4.24E-10	6.78E-06	1.07E-09	3.72E-10
3362	484863.09, 3848377.25	6.72E-06	1.06E-09	3.69E-10	8.23E-06	1.30E-09	4.52E-10	7.22E-06	1.14E-09	3.96E-10
3363	485363.09, 3848377.25	6.36E-06	1.00E-09	3.49E-10	7.79E-06	1.23E-09	4.27E-10	6.83E-06	1.08E-09	3.75E-10
3364	485863.09, 3848377.25	6.13E-06	9.65E-10	3.36E-10	7.50E-06	1.18E-09	4.12E-10	6.58E-06	1.04E-09	3.61E-10
3365	486363.09, 3848377.25	5.71E-06	8.99E-10	3.13E-10	6.99E-06	1.10E-09	3.84E-10	6.13E-06	9.66E-10	3.37E-10
3366	486863.09, 3848377.25	5.24E-06	8.26E-10	2.88E-10	6.42E-06	1.01E-09	3.52E-10	5.63E-06	8.87E-10	3.09E-10
3367	487363.09, 3848377.25	4.73E-06	7.46E-10	2.60E-10	5.80E-06	9.14E-10	3.18E-10	5.09E-06	8.01E-10	2.79E-10
3368	487863.09, 3848377.25	4.62E-06	7.28E-10	2.54E-10	5.66E-06	8.92E-10	3.11E-10	4.96E-06	7.82E-10	2.72E-10
3369	488363.09, 3848377.25	4.50E-06	7.08E-10	2.47E-10	5.51E-06	8.68E-10	3.02E-10	4.83E-06	7.61E-10	2.65E-10
3370	488863.09, 3848377.25	4.53E-06	7.14E-10	2.49E-10	5.55E-06	8.75E-10	3.05E-10	4.87E-06	7.68E-10	2.67E-10
3371	489363.09, 3848377.25	4.69E-06	7.39E-10	2.58E-10	5.75E-06	9.05E-10	3.15E-10	5.04E-06	7.94E-10	2.77E-10
3372	489863.09, 3848377.25	5.07E-06	7.99E-10	2.78E-10	6.21E-06	9.79E-10	3.41E-10	5.44E-06	8.57E-10	2.99E-10
3373	490363.09, 3848377.25	5.08E-06	8.00E-10	2.79E-10	6.22E-06	9.80E-10	3.42E-10	5.45E-06	8.59E-10	2.99E-10
3374	490863.09, 3848377.25	4.93E-06	7.76E-10	2.70E-10	6.04E-06	9.51E-10	3.31E-10	5.29E-06	8.34E-10	2.90E-10
3375	491363.09, 3848377.25	4.92E-06	7.75E-10	2.70E-10	6.03E-06	9.50E-10	3.31E-10	5.29E-06	8.33E-10	2.90E-10
3376	491863.09, 3848377.25	5.04E-06	7.95E-10	2.77E-10	6.18E-06	9.73E-10	3.39E-10	5.42E-06	8.53E-10	2.97E-10
3377	492363.09, 3848377.25	4.96E-06	7.81E-10	2.72E-10	6.07E-06	9.57E-10	3.33E-10	5.33E-06	8.39E-10	2.92E-10
3378	492863.09, 3848377.25	4.84E-06	7.63E-10	2.66E-10	5.93E-06	9.34E-10	3.26E-10	5.20E-06	8.19E-10	2.85E-10
3379	493363.09, 3848377.25	4.99E-06	7.86E-10	2.74E-10	6.11E-06	9.63E-10	3.35E-10	5.36E-06	8.44E-10	2.94E-10
3380	493863.09, 3848377.25	5.18E-06	8.16E-10	2.84E-10	6.34E-06	9.99E-10	3.48E-10	5.56E-06	8.76E-10	3.05E-10
3381	494363.09, 3848377.25	5.37E-06	8.45E-10	2.94E-10	6.57E-06	1.04E-09	3.61E-10	5.76E-06	9.07E-10	3.16E-10
3382	494863.09, 3848377.25	5.72E-06	9.01E-10	3.14E-10	7.01E-06	1.10E-09	3.84E-10	6.14E-06	9.67E-10	3.37E-10
3383	495363.09, 3848377.25	5.67E-06	8.94E-10	3.11E-10	6.95E-06	1.10E-09	3.81E-10	6.09E-06	9.60E-10	3.34E-10
3384	495863.09, 3848377.25	5.95E-06	9.38E-10	3.27E-10	7.29E-06	1.15E-09	4.00E-10	6.39E-06	1.01E-09	3.51E-10
3385	496363.09, 3848377.25	6.64E-06	1.05E-09	3.65E-10	8.14E-06	1.28E-09	4.47E-10	7.13E-06	1.12E-09	3.91E-10
3386	496863.09, 3848377.25	6.84E-06	1.08E-09	3.75E-10	8.38E-06	1.32E-09	4.60E-10	7.34E-06	1.16E-09	4.03E-10
3387	497363.09, 3848377.25	7.86E-06	1.24E-09	4.31E-10	9.63E-06	1.52E-09	5.28E-10	8.44E-06	1.33E-09	4.63E-10
3388	497863.09, 3848377.25	1.07E-05	1.69E-09	5.89E-10	1.31E-05	2.07E-09	7.22E-10	1.15E-05	1.82E-09	6.33E-10
3389	498363.09, 3848377.25	1.14E-05	1.80E-09	6.27E-10	1.40E-05	2.20E-09	7.68E-10	1.23E-05	1.93E-09	6.73E-10
3390	471363.09, 3848877.25	1.34E-05	2.11E-09	7.35E-10	1.64E-05	2.59E-09	9.01E-10	1.44E-05	2.27E-09	7.90E-10
3391	471863.09, 3848877.25	1.44E-05	2.27E-09	7.92E-10	1.77E-05	2.79E-09	9.70E-10	1.55E-05	2.44E-09	8.51E-10
3392	472363.09, 3848877.25	1.54E-05	2.43E-09	8.46E-10	1.89E-05	2.97E-09	1.04E-09	1.66E-05	2.61E-09	9.09E-10
3393	472863.09, 3848877.25	1.63E-05	2.56E-09	8.93E-10	1.99E-05	3.14E-09	1.09E-09	1.75E-05	2.75E-09	9.59E-10
3394	473363.09, 3848877.25	1.70E-05	2.67E-09	9.30E-10	2.08E-05	3.27E-09	1.14E-09	1.82E-05	2.87E-09	9.99E-10
3395	473863.09, 3848877.25	1.74E-05	2.74E-09	9.53E-10	2.13E-05	3.35E-09	1.17E-09	1.87E-05	2.94E-09	1.02E-09
3396	474363.09, 3848877.25	1.78E-05	2.81E-09	9.79E-10	2.18E-05	3.44E-09	1.20E-09	1.92E-05	3.02E-09	1.05E-09
3397	474863.09, 3848877.25	1.72E-05	2.71E-09	9.45E-10	2.11E-05	3.32E-09	1.16E-09	1.85E-05	2.91E-09	1.02E-09
3398	475363.09, 3848877.25	1.68E-05	2.65E-09	9.23E-10	2.06E-05	3.25E-09	1.13E-09	1.81E-05	2.85E-09	9.92E-10
3399	475863.09, 3848877.25	1.71E-05	2.70E-09	9.40E-10	2.10E-05	3.31E-09	1.15E-09	1.84E-05	2.90E-09	1.01E-09
3400	476363.09, 3848877.25	1.62E-05	2.55E-09	8.89E-10	1.98E-05	3.12E-09	1.09E-09	1.74E-05	2.74E-09	9.55E-10
3401	476863.09, 3848877.25	1.49E-05	2.35E-09	8.18E-10	1.83E-05	2.88E-09	1.00E-09	1.60E-05	2.52E-09	8.79E-10
3402	477363.09, 3848877.25	1.77E-05	2.78E-09	9.70E-10	2.17E-05	3.41E-09	1.19E-09	1.90E-05	2.99E-09	1.04E-09
3403	477863.09, 3848877.25	2.08E-05	3.27E-09	1.14E-09	2.54E-05	4.01E-09	1.40E-09	2.23E-05	3.52E-09	1.22E-09
3404	478363.09, 3848877.25	2.50E-05	3.93E-09	1.37E-09	3.06E-05	4.82E-09	1.68E-09	2.68E-05	4.23E-09	1.47E-09
3405	478863.09, 3848877.25	2.44E-05	3.84E-09	1.34E-09	2.99E-05	4.70E-09	1.64E-09	2.62E-05	4.12E-09	1.44E-09
3406	479363.09, 3848877.25	1.98E-05	3.12E-09	1.09E-09	2.43E-05	3.82E-09	1.33E-09	2.13E-05	3.35E-09	1.17E-09

3407	479863.09, 3848877.25	1.43E-05	2.25E-09	7.84E-10	1.75E-05	2.76E-09	9.60E-10	1.53E-05	2.42E-09	8.42E-10
3408	480363.09, 3848877.25	1.36E-05	2.14E-09	7.44E-10	1.66E-05	2.62E-09	9.11E-10	1.46E-05	2.29E-09	7.99E-10
3409	480863.09, 3848877.25	1.39E-05	2.19E-09	7.62E-10	1.70E-05	2.68E-09	9.34E-10	1.49E-05	2.35E-09	8.19E-10
3410	481363.09, 3848877.25	1.27E-05	2.00E-09	6.96E-10	1.55E-05	2.45E-09	8.53E-10	1.36E-05	2.15E-09	7.48E-10
3411	481863.09, 3848877.25	1.05E-05	1.66E-09	5.77E-10	1.29E-05	2.03E-09	7.07E-10	1.13E-05	1.78E-09	6.20E-10
3412	482363.09, 3848877.25	8.64E-06	1.36E-09	4.74E-10	1.06E-05	1.67E-09	5.81E-10	9.28E-06	1.46E-09	5.09E-10
3413	482863.09, 3848877.25	7.13E-06	1.12E-09	3.91E-10	8.73E-06	1.38E-09	4.79E-10	7.66E-06	1.21E-09	4.20E-10
3414	483363.09, 3848877.25	6.22E-06	9.79E-10	3.41E-10	7.61E-06	1.20E-09	4.18E-10	6.68E-06	1.05E-09	3.66E-10
3415	483863.09, 3848877.25	6.08E-06	9.57E-10	3.33E-10	7.44E-06	1.17E-09	4.08E-10	6.53E-06	1.03E-09	3.58E-10
3416	484363.09, 3848877.25	7.17E-06	1.13E-09	3.93E-10	8.78E-06	1.38E-09	4.82E-10	7.70E-06	1.21E-09	4.23E-10
3417	484863.09, 3848877.25	8.20E-06	1.29E-09	4.50E-10	1.00E-05	1.58E-09	5.51E-10	8.81E-06	1.39E-09	4.84E-10
3418	485363.09, 3848877.25	7.68E-06	1.21E-09	4.21E-10	9.40E-06	1.48E-09	5.16E-10	8.25E-06	1.30E-09	4.53E-10
3419	485863.09, 3848877.25	7.29E-06	1.15E-09	4.00E-10	8.93E-06	1.41E-09	4.90E-10	7.83E-06	1.23E-09	4.30E-10
3420	486363.09, 3848877.25	6.53E-06	1.03E-09	3.59E-10	8.00E-06	1.26E-09	4.39E-10	7.02E-06	1.11E-09	3.85E-10
3421	486863.09, 3848877.25	5.80E-06	9.14E-10	3.18E-10	7.11E-06	1.12E-09	3.90E-10	6.23E-06	9.82E-10	3.42E-10
3422	487363.09, 3848877.25	5.76E-06	9.07E-10	3.16E-10	7.06E-06	1.11E-09	3.87E-10	6.19E-06	9.75E-10	3.40E-10
3423	487863.09, 3848877.25	5.48E-06	8.63E-10	3.01E-10	6.71E-06	1.06E-09	3.68E-10	5.89E-06	9.27E-10	3.23E-10
3424	488363.09, 3848877.25	5.46E-06	8.60E-10	3.00E-10	6.69E-06	1.05E-09	3.67E-10	5.87E-06	9.24E-10	3.22E-10
3425	488863.09, 3848877.25	5.49E-06	8.64E-10	3.01E-10	6.72E-06	1.06E-09	3.69E-10	5.89E-06	9.28E-10	3.23E-10
3426	489363.09, 3848877.25	5.77E-06	9.09E-10	3.17E-10	7.07E-06	1.11E-09	3.88E-10	6.20E-06	9.76E-10	3.40E-10
3427	489863.09, 3848877.25	6.07E-06	9.56E-10	3.33E-10	7.44E-06	1.17E-09	4.08E-10	6.52E-06	1.03E-09	3.58E-10
3428	490363.09, 3848877.25	5.90E-06	9.29E-10	3.24E-10	7.23E-06	1.14E-09	3.97E-10	6.33E-06	9.98E-10	3.48E-10
3429	490863.09, 3848877.25	5.81E-06	9.15E-10	3.19E-10	7.11E-06	1.12E-09	3.90E-10	6.24E-06	9.82E-10	3.42E-10
3430	491363.09, 3848877.25	5.89E-06	9.27E-10	3.23E-10	7.21E-06	1.14E-09	3.96E-10	6.32E-06	9.96E-10	3.47E-10
3431	491863.09, 3848877.25	5.73E-06	9.02E-10	3.14E-10	7.02E-06	1.11E-09	3.85E-10	6.15E-06	9.69E-10	3.38E-10
3432	492363.09, 3848877.25	5.59E-06	8.80E-10	3.07E-10	6.85E-06	1.08E-09	3.76E-10	6.00E-06	9.46E-10	3.29E-10
3433	492863.09, 3848877.25	5.42E-06	8.54E-10	2.98E-10	6.64E-06	1.05E-09	3.65E-10	5.82E-06	9.17E-10	3.20E-10
3434	493363.09, 3848877.25	5.30E-06	8.35E-10	2.91E-10	6.49E-06	1.02E-09	3.56E-10	5.69E-06	8.96E-10	3.12E-10
3435	493863.09, 3848877.25	5.72E-06	9.01E-10	3.14E-10	7.01E-06	1.10E-09	3.85E-10	6.14E-06	9.67E-10	3.37E-10
3436	494363.09, 3848877.25	6.02E-06	9.48E-10	3.30E-10	7.37E-06	1.16E-09	4.05E-10	6.46E-06	1.02E-09	3.54E-10
3437	494863.09, 3848877.25	6.55E-06	1.03E-09	3.59E-10	8.02E-06	1.26E-09	4.40E-10	7.03E-06	1.11E-09	3.86E-10
3438	495363.09, 3848877.25	7.02E-06	1.11E-09	3.85E-10	8.60E-06	1.35E-09	4.72E-10	7.54E-06	1.19E-09	4.14E-10
3439	495863.09, 3848877.25	6.86E-06	1.08E-09	3.77E-10	8.40E-06	1.32E-09	4.61E-10	7.37E-06	1.16E-09	4.04E-10
3440	496363.09, 3848877.25	7.29E-06	1.15E-09	4.00E-10	8.93E-06	1.41E-09	4.90E-10	7.83E-06	1.23E-09	4.30E-10
3441	496863.09, 3848877.25	8.40E-06	1.32E-09	4.61E-10	1.03E-05	1.62E-09	5.64E-10	9.01E-06	1.42E-09	4.95E-10
3442	497363.09, 3848877.25	1.08E-05	1.71E-09	5.95E-10	1.33E-05	2.09E-09	7.29E-10	1.16E-05	1.83E-09	6.39E-10
3443	497863.09, 3848877.25	1.23E-05	1.94E-09	6.77E-10	1.51E-05	2.38E-09	8.29E-10	1.32E-05	2.09E-09	7.27E-10
3444	498363.09, 3848877.25	1.36E-05	2.15E-09	7.48E-10	1.67E-05	2.63E-09	9.17E-10	1.46E-05	2.31E-09	8.03E-10
3445	471363.09, 3849377.25	1.29E-05	2.04E-09	7.11E-10	1.59E-05	2.50E-09	8.71E-10	1.39E-05	2.19E-09	7.64E-10
3446	471863.09, 3849377.25	1.42E-05	2.24E-09	7.79E-10	1.74E-05	2.74E-09	9.54E-10	1.52E-05	2.40E-09	8.37E-10
3447	472363.09, 3849377.25	1.53E-05	2.41E-09	8.39E-10	1.87E-05	2.95E-09	1.03E-09	1.64E-05	2.59E-09	9.01E-10
3448	472863.09, 3849377.25	1.64E-05	2.59E-09	9.01E-10	2.01E-05	3.17E-09	1.10E-09	1.76E-05	2.78E-09	9.68E-10
3449	473363.09, 3849377.25	1.75E-05	2.76E-09	9.60E-10	2.14E-05	3.38E-09	1.18E-09	1.88E-05	2.96E-09	1.03E-09
3450	473863.09, 3849377.25	1.85E-05	2.91E-09	1.02E-09	2.27E-05	3.57E-09	1.24E-09	1.99E-05	3.13E-09	1.09E-09
3451	474363.09, 3849377.25	1.93E-05	3.04E-09	1.06E-09	2.36E-05	3.72E-09	1.30E-09	2.07E-05	3.26E-09	1.14E-09
3452	474863.09, 3849377.25	2.00E-05	3.15E-09	1.10E-09	2.45E-05	3.85E-09	1.34E-09	2.15E-05	3.38E-09	1.18E-09
3453	475363.09, 3849377.25	2.02E-05	3.19E-09	1.11E-09	2.48E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
3454	475863.09, 3849377.25	2.07E-05	3.26E-09	1.13E-09	2.53E-05	3.99E-09	1.39E-09	2.22E-05	3.50E-09	1.22E-09
3455	476363.09, 3849377.25	2.08E-05	3.28E-09	1.14E-09	2.55E-05	4.02E-09	1.40E-09	2.24E-05	3.53E-09	1.23E-09
3456	476863.09, 3849377.25	2.00E-05	3.16E-09	1.10E-09	2.45E-05	3.87E-09	1.35E-09	2.15E-05	3.39E-09	1.18E-09
3457	477363.09, 3849377.25	1.88E-05	2.96E-09	1.03E-09	2.30E-05	3.63E-09	1.26E-09	2.02E-05	3.19E-09	1.11E-09
3458	477863.09, 3849377.25	1.94E-05	3.05E-09	1.06E-09	2.37E-05	3.74E-09	1.30E-09	2.08E-05	3.28E-09	1.14E-09
3459	478363.09, 3849377.25	2.37E-05	3.74E-09	1.30E-09	2.90E-05	4.58E-09	1.59E-09	2.55E-05	4.01E-09	1.40E-09
3460	478863.09, 3849377.25	2.75E-05	4.33E-09	1.51E-09	3.36E-05	5.30E-09	1.85E-09	2.95E-05	4.65E-09	1.62E-09
3461	479363.09, 3849377.25	2.74E-05	4.31E-09	1.50E-09	3.35E-05	5.28E-09	1.84E-09	2.94E-05	4.63E-09	1.61E-09
3462	479863.09, 3849377.25	2.13E-05	3.36E-09	1.17E-09	2.61E-05	4.12E-09	1.43E-09	2.29E-05	3.61E-09	1.26E-09
3463	480363.09, 3849377.25	2.11E-05	3.32E-09	1.16E-09	2.58E-05	4.06E-09	1.42E-09	2.26E-05	3.56E-09	1.24E-09
3464	480863.09, 3849377.25	1.84E-05	2.90E-09	1.01E-09	2.26E-05	3.56E-09	1.24E-09	1.98E-05	3.12E-09	1.09E-09
3465	481363.09, 3849377.25	1.52E-05	2.40E-09	8.36E-10	1.87E-05	2.94E-09	1.02E-09	1.64E-05	2.58E-09	8.98E-10
3466	481863.09, 3849377.25	1.02E-05	1.61E-09	5.60E-10	1.25E-05	1.97E-09	6.87E-10	1.10E-05	1.73E-09	6.02E-10
3467	482363.09, 3849377.25	8.78E-06	1.38E-09	4.82E-10	1.08E-05	1.69E-09	5.90E-10	9.43E-06	1.49E-09	5.18E-10
3468	482863.09, 3849377.25	7.12E-06	1.12E-09	3.91E-10	8.73E-06	1.37E-09	4.79E-10	7.65E-06	1.21E-09	4.20E-10

3469	483363.09, 3849377.25	6.46E-06	1.02E-09	3.55E-10	7.91E-06	1.25E-09	4.34E-10	6.94E-06	1.09E-09	3.81E-10
3470	483863.09, 3849377.25	5.54E-06	8.73E-10	3.04E-10	6.78E-06	1.07E-09	3.72E-10	5.95E-06	9.37E-10	3.27E-10
3471	484363.09, 3849377.25	7.99E-06	1.26E-09	4.38E-10	9.78E-06	1.54E-09	5.37E-10	8.58E-06	1.35E-09	4.71E-10
3472	484863.09, 3849377.25	9.81E-06	1.55E-09	5.39E-10	1.20E-05	1.89E-09	6.60E-10	1.05E-05	1.66E-09	5.79E-10
3473	485363.09, 3849377.25	9.32E-06	1.47E-09	5.11E-10	1.14E-05	1.80E-09	6.26E-10	1.00E-05	1.58E-09	5.50E-10
3474	485863.09, 3849377.25	6.98E-06	1.10E-09	3.83E-10	8.55E-06	1.35E-09	4.69E-10	7.49E-06	1.18E-09	4.11E-10
3475	486363.09, 3849377.25	5.73E-06	9.03E-10	3.15E-10	7.02E-06	1.11E-09	3.85E-10	6.16E-06	9.70E-10	3.38E-10
3476	486863.09, 3849377.25	6.70E-06	1.05E-09	3.67E-10	8.20E-06	1.29E-09	4.50E-10	7.20E-06	1.13E-09	3.95E-10
3477	487363.09, 3849377.25	6.89E-06	1.08E-09	3.78E-10	8.44E-06	1.33E-09	4.63E-10	7.40E-06	1.17E-09	4.06E-10
3478	487863.09, 3849377.25	6.65E-06	1.05E-09	3.65E-10	8.14E-06	1.28E-09	4.47E-10	7.14E-06	1.13E-09	3.92E-10
3479	488363.09, 3849377.25	6.69E-06	1.05E-09	3.67E-10	8.19E-06	1.29E-09	4.50E-10	7.18E-06	1.13E-09	3.94E-10
3480	488863.09, 3849377.25	6.96E-06	1.10E-09	3.82E-10	8.52E-06	1.34E-09	4.68E-10	7.47E-06	1.18E-09	4.10E-10
3481	489363.09, 3849377.25	7.21E-06	1.14E-09	3.96E-10	8.84E-06	1.39E-09	4.85E-10	7.74E-06	1.22E-09	4.25E-10
3482	489863.09, 3849377.25	7.28E-06	1.15E-09	3.99E-10	8.91E-06	1.40E-09	4.89E-10	7.82E-06	1.23E-09	4.29E-10
3483	490363.09, 3849377.25	7.05E-06	1.11E-09	3.87E-10	8.64E-06	1.36E-09	4.74E-10	7.57E-06	1.19E-09	4.16E-10
3484	490863.09, 3849377.25	7.04E-06	1.11E-09	3.86E-10	8.62E-06	1.36E-09	4.73E-10	7.56E-06	1.19E-09	4.15E-10
3485	491363.09, 3849377.25	7.10E-06	1.12E-09	3.90E-10	8.70E-06	1.37E-09	4.77E-10	7.63E-06	1.20E-09	4.19E-10
3486	491863.09, 3849377.25	6.94E-06	1.09E-09	3.81E-10	8.51E-06	1.34E-09	4.67E-10	7.46E-06	1.18E-09	4.09E-10
3487	492363.09, 3849377.25	6.86E-06	1.08E-09	3.77E-10	8.41E-06	1.32E-09	4.61E-10	7.37E-06	1.16E-09	4.04E-10
3488	492863.09, 3849377.25	6.46E-06	1.02E-09	3.55E-10	7.91E-06	1.25E-09	4.34E-10	6.94E-06	1.09E-09	3.81E-10
3489	493363.09, 3849377.25	6.59E-06	1.04E-09	3.62E-10	8.07E-06	1.27E-09	4.43E-10	7.08E-06	1.11E-09	3.88E-10
3490	493863.09, 3849377.25	6.87E-06	1.08E-09	3.77E-10	8.42E-06	1.33E-09	4.62E-10	7.37E-06	1.16E-09	4.05E-10
3491	494363.09, 3849377.25	7.46E-06	1.18E-09	4.09E-10	9.14E-06	1.44E-09	5.01E-10	8.01E-06	1.26E-09	4.39E-10
3492	494863.09, 3849377.25	8.84E-06	1.39E-09	4.85E-10	1.08E-05	1.71E-09	5.94E-10	9.49E-06	1.49E-09	5.21E-10
3493	495363.09, 3849377.25	9.62E-06	1.52E-09	5.28E-10	1.18E-05	1.86E-09	6.47E-10	1.03E-05	1.63E-09	5.67E-10
3494	495863.09, 3849377.25	8.20E-06	1.29E-09	4.50E-10	1.00E-05	1.58E-09	5.52E-10	8.81E-06	1.39E-09	4.83E-10
3495	496363.09, 3849377.25	8.34E-06	1.31E-09	4.58E-10	1.02E-05	1.61E-09	5.61E-10	8.96E-06	1.41E-09	4.92E-10
3496	496863.09, 3849377.25	1.12E-05	1.77E-09	6.17E-10	1.38E-05	2.17E-09	7.55E-10	1.21E-05	1.90E-09	6.62E-10
3497	497363.09, 3849377.25	1.26E-05	1.98E-09	6.91E-10	1.54E-05	2.43E-09	8.46E-10	1.35E-05	2.13E-09	7.42E-10
3498	497863.09, 3849377.25	1.67E-05	2.63E-09	9.15E-10	2.04E-05	3.22E-09	1.12E-09	1.79E-05	2.82E-09	9.82E-10
3499	498363.09, 3849377.25	1.65E-05	2.60E-09	9.06E-10	2.02E-05	3.19E-09	1.11E-09	1.77E-05	2.79E-09	9.73E-10
3500	471363.09, 3849877.25	1.20E-05	1.89E-09	6.57E-10	1.47E-05	2.31E-09	8.05E-10	1.29E-05	2.03E-09	7.06E-10
3501	471863.09, 3849877.25	1.35E-05	2.13E-09	7.41E-10	1.65E-05	2.61E-09	9.08E-10	1.45E-05	2.28E-09	7.96E-10
3502	472363.09, 3849877.25	1.50E-05	2.36E-09	8.23E-10	1.84E-05	2.89E-09	1.01E-09	1.61E-05	2.54E-09	8.84E-10
3503	472863.09, 3849877.25	1.63E-05	2.57E-09	8.96E-10	2.00E-05	3.15E-09	1.10E-09	1.75E-05	2.76E-09	9.63E-10
3504	473363.09, 3849877.25	1.74E-05	2.75E-09	9.57E-10	2.14E-05	3.36E-09	1.17E-09	1.87E-05	2.95E-09	1.03E-09
3505	473863.09, 3849877.25	1.88E-05	2.96E-09	1.03E-09	2.30E-05	3.63E-09	1.26E-09	2.02E-05	3.18E-09	1.11E-09
3506	474363.09, 3849877.25	2.01E-05	3.17E-09	1.11E-09	2.47E-05	3.89E-09	1.35E-09	2.16E-05	3.41E-09	1.19E-09
3507	474863.09, 3849877.25	2.13E-05	3.36E-09	1.17E-09	2.61E-05	4.11E-09	1.43E-09	2.29E-05	3.61E-09	1.26E-09
3508	475363.09, 3849877.25	2.22E-05	3.49E-09	1.22E-09	2.72E-05	4.28E-09	1.49E-09	2.38E-05	3.75E-09	1.31E-09
3509	475863.09, 3849877.25	2.29E-05	3.61E-09	1.26E-09	2.81E-05	4.43E-09	1.54E-09	2.46E-05	3.88E-09	1.35E-09
3510	476363.09, 3849877.25	2.35E-05	3.70E-09	1.29E-09	2.88E-05	4.54E-09	1.58E-09	2.53E-05	3.98E-09	1.39E-09
3511	476863.09, 3849877.25	2.41E-05	3.80E-09	1.32E-09	2.96E-05	4.66E-09	1.62E-09	2.59E-05	4.09E-09	1.42E-09
3512	477363.09, 3849877.25	2.43E-05	3.83E-09	1.34E-09	2.98E-05	4.69E-09	1.64E-09	2.61E-05	4.12E-09	1.43E-09
3513	477863.09, 3849877.25	2.32E-05	3.66E-09	1.28E-09	2.85E-05	4.48E-09	1.56E-09	2.50E-05	3.93E-09	1.37E-09
3514	478363.09, 3849877.25	2.32E-05	3.65E-09	1.27E-09	2.84E-05	4.47E-09	1.56E-09	2.49E-05	3.92E-09	1.37E-09
3515	478863.09, 3849877.25	2.80E-05	4.42E-09	1.54E-09	3.43E-05	5.41E-09	1.89E-09	3.01E-05	4.75E-09	1.65E-09
3516	479363.09, 3849877.25	3.24E-05	5.10E-09	1.78E-09	3.96E-05	6.25E-09	2.18E-09	3.48E-05	5.48E-09	1.91E-09
3517	479863.09, 3849877.25	3.36E-05	5.30E-09	1.84E-09	4.12E-05	6.49E-09	2.26E-09	3.61E-05	5.69E-09	1.98E-09
3518	480363.09, 3849877.25	2.76E-05	4.36E-09	1.52E-09	3.39E-05	5.34E-09	1.86E-09	2.97E-05	4.68E-09	1.63E-09
3519	480863.09, 3849877.25	2.18E-05	3.44E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.34E-05	3.69E-09	1.29E-09
3520	481363.09, 3849877.25	1.85E-05	2.92E-09	1.02E-09	2.27E-05	3.57E-09	1.24E-09	1.99E-05	3.13E-09	1.09E-09
3521	481863.09, 3849877.25	1.15E-05	1.82E-09	6.32E-10	1.41E-05	2.22E-09	7.75E-10	1.24E-05	1.95E-09	6.79E-10
3522	482363.09, 3849877.25	8.94E-06	1.41E-09	4.91E-10	1.10E-05	1.73E-09	6.01E-10	9.61E-06	1.51E-09	5.27E-10
3523	482863.09, 3849877.25	7.67E-06	1.21E-09	4.21E-10	9.40E-06	1.48E-09	5.16E-10	8.24E-06	1.30E-09	4.52E-10
3524	483363.09, 3849877.25	6.70E-06	1.06E-09	3.68E-10	8.20E-06	1.29E-09	4.50E-10	7.19E-06	1.13E-09	3.95E-10
3525	483863.09, 3849877.25	6.60E-06	1.04E-09	3.62E-10	8.08E-06	1.27E-09	4.44E-10	7.09E-06	1.12E-09	3.89E-10
3526	484363.09, 3849877.25	9.00E-06	1.42E-09	4.94E-10	1.10E-05	1.74E-09	6.05E-10	9.67E-06	1.52E-09	5.31E-10
3527	484863.09, 3849877.25	1.23E-05	1.94E-09	6.75E-10	1.51E-05	2.37E-09	8.27E-10	1.32E-05	2.08E-09	7.25E-10
3528	485363.09, 3849877.25	1.09E-05	1.71E-09	5.96E-10	1.33E-05	2.09E-09	7.29E-10	1.17E-05	1.84E-09	6.40E-10
3529	485863.09, 3849877.25	8.94E-06	1.41E-09	4.91E-10	1.10E-05	1.73E-09	6.01E-10	9.60E-06	1.51E-09	5.27E-10
3530	486363.09, 3849877.25	8.02E-06	1.26E-09	4.40E-10	9.82E-06	1.55E-09	5.39E-10	8.62E-06	1.36E-09	4.73E-10

3531	486863.09, 3849877.25	8.74E-06	1.38E-09	4.79E-10	1.07E-05	1.69E-09	5.87E-10	9.39E-06	1.48E-09	5.15E-10
3532	487363.09, 3849877.25	8.59E-06	1.35E-09	4.71E-10	1.05E-05	1.66E-09	5.77E-10	9.22E-06	1.45E-09	5.06E-10
3533	487863.09, 3849877.25	8.37E-06	1.32E-09	4.59E-10	1.03E-05	1.62E-09	5.63E-10	8.99E-06	1.42E-09	4.94E-10
3534	488363.09, 3849877.25	8.59E-06	1.35E-09	4.71E-10	1.05E-05	1.66E-09	5.77E-10	9.22E-06	1.45E-09	5.06E-10
3535	488863.09, 3849877.25	8.93E-06	1.41E-09	4.90E-10	1.09E-05	1.72E-09	6.00E-10	9.59E-06	1.51E-09	5.26E-10
3536	489363.09, 3849877.25	9.05E-06	1.43E-09	4.97E-10	1.11E-05	1.75E-09	6.08E-10	9.72E-06	1.53E-09	5.33E-10
3537	489863.09, 3849877.25	8.98E-06	1.41E-09	4.93E-10	1.10E-05	1.73E-09	6.04E-10	9.65E-06	1.52E-09	5.29E-10
3538	490363.09, 3849877.25	8.76E-06	1.38E-09	4.81E-10	1.07E-05	1.69E-09	5.89E-10	9.42E-06	1.48E-09	5.17E-10
3539	490863.09, 3849877.25	8.90E-06	1.40E-09	4.89E-10	1.09E-05	1.72E-09	5.99E-10	9.56E-06	1.51E-09	5.25E-10
3540	491363.09, 3849877.25	9.11E-06	1.44E-09	5.00E-10	1.12E-05	1.76E-09	6.12E-10	9.79E-06	1.54E-09	5.37E-10
3541	491863.09, 3849877.25	8.97E-06	1.41E-09	4.92E-10	1.10E-05	1.73E-09	6.03E-10	9.63E-06	1.52E-09	5.29E-10
3542	492363.09, 3849877.25	8.98E-06	1.42E-09	4.93E-10	1.10E-05	1.73E-09	6.04E-10	9.65E-06	1.52E-09	5.29E-10
3543	492863.09, 3849877.25	8.69E-06	1.37E-09	4.77E-10	1.06E-05	1.68E-09	5.84E-10	9.32E-06	1.47E-09	5.12E-10
3544	493363.09, 3849877.25	8.44E-06	1.33E-09	4.63E-10	1.03E-05	1.63E-09	5.67E-10	9.06E-06	1.43E-09	4.97E-10
3545	493863.09, 3849877.25	8.49E-06	1.34E-09	4.66E-10	1.04E-05	1.64E-09	5.71E-10	9.11E-06	1.44E-09	5.00E-10
3546	494363.09, 3849877.25	1.05E-05	1.66E-09	5.77E-10	1.29E-05	2.03E-09	7.07E-10	1.13E-05	1.78E-09	6.20E-10
3547	494863.09, 3849877.25	1.23E-05	1.93E-09	6.74E-10	1.50E-05	2.37E-09	8.25E-10	1.32E-05	2.08E-09	7.23E-10
3548	495363.09, 3849877.25	1.13E-05	1.78E-09	6.20E-10	1.38E-05	2.18E-09	7.60E-10	1.21E-05	1.91E-09	6.66E-10
3549	495863.09, 3849877.25	1.33E-05	2.10E-09	7.32E-10	1.63E-05	2.57E-09	8.96E-10	1.43E-05	2.26E-09	7.86E-10
3550	496363.09, 3849877.25	1.44E-05	2.27E-09	7.91E-10	1.76E-05	2.78E-09	9.69E-10	1.55E-05	2.44E-09	8.49E-10
3551	496863.09, 3849877.25	1.53E-05	2.41E-09	8.40E-10	1.88E-05	2.95E-09	1.03E-09	1.64E-05	2.59E-09	9.02E-10
3552	497363.09, 3849877.25	1.86E-05	2.94E-09	1.02E-09	2.28E-05	3.60E-09	1.25E-09	2.00E-05	3.15E-09	1.10E-09
3553	497863.09, 3849877.25	2.02E-05	3.18E-09	1.11E-09	2.48E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
3554	498363.09, 3849877.25	1.98E-05	3.12E-09	1.09E-09	2.43E-05	3.83E-09	1.33E-09	2.13E-05	3.36E-09	1.17E-09
3555	471363.09, 3850377.25	1.06E-05	1.66E-09	5.79E-10	1.29E-05	2.04E-09	7.10E-10	1.13E-05	1.79E-09	6.22E-10
3556	471863.09, 3850377.25	1.31E-05	2.07E-09	7.21E-10	1.61E-05	2.54E-09	8.83E-10	1.41E-05	2.22E-09	7.74E-10
3557	472363.09, 3850377.25	1.42E-05	2.24E-09	7.79E-10	1.74E-05	2.74E-09	9.55E-10	1.53E-05	2.40E-09	8.37E-10
3558	472863.09, 3850377.25	1.61E-05	2.53E-09	8.81E-10	1.97E-05	3.10E-09	1.08E-09	1.72E-05	2.72E-09	9.47E-10
3559	473363.09, 3850377.25	1.70E-05	2.69E-09	9.36E-10	2.09E-05	3.29E-09	1.15E-09	1.83E-05	2.89E-09	1.01E-09
3560	473863.09, 3850377.25	1.86E-05	2.93E-09	1.02E-09	2.27E-05	3.58E-09	1.25E-09	1.99E-05	3.14E-09	1.09E-09
3561	474363.09, 3850377.25	2.02E-05	3.18E-09	1.11E-09	2.47E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
3562	474863.09, 3850377.25	2.18E-05	3.44E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.34E-05	3.69E-09	1.29E-09
3563	475363.09, 3850377.25	2.35E-05	3.70E-09	1.29E-09	2.87E-05	4.53E-09	1.58E-09	2.52E-05	3.97E-09	1.38E-09
3564	475863.09, 3850377.25	2.49E-05	3.92E-09	1.36E-09	3.05E-05	4.80E-09	1.67E-09	2.67E-05	4.21E-09	1.47E-09
3565	476363.09, 3850377.25	2.60E-05	4.09E-09	1.43E-09	3.18E-05	5.01E-09	1.75E-09	2.79E-05	4.39E-09	1.53E-09
3566	476863.09, 3850377.25	2.69E-05	4.24E-09	1.48E-09	3.30E-05	5.19E-09	1.81E-09	2.89E-05	4.55E-09	1.59E-09
3567	477363.09, 3850377.25	2.77E-05	4.37E-09	1.52E-09	3.40E-05	5.35E-09	1.87E-09	2.98E-05	4.70E-09	1.64E-09
3568	477863.09, 3850377.25	2.81E-05	4.42E-09	1.54E-09	3.44E-05	5.42E-09	1.89E-09	3.02E-05	4.75E-09	1.66E-09
3569	478363.09, 3850377.25	2.72E-05	4.28E-09	1.49E-09	3.33E-05	5.24E-09	1.83E-09	2.92E-05	4.60E-09	1.60E-09
3570	478863.09, 3850377.25	2.86E-05	4.51E-09	1.57E-09	3.51E-05	5.52E-09	1.92E-09	3.08E-05	4.85E-09	1.69E-09
3571	479363.09, 3850377.25	3.35E-05	5.28E-09	1.84E-09	4.11E-05	6.47E-09	2.25E-09	3.60E-05	5.68E-09	1.98E-09
3572	479863.09, 3850377.25	3.83E-05	6.03E-09	2.10E-09	4.69E-05	7.39E-09	2.58E-09	4.11E-05	6.48E-09	2.26E-09
3573	480363.09, 3850377.25	3.88E-05	6.11E-09	2.13E-09	4.75E-05	7.48E-09	2.61E-09	4.16E-05	6.56E-09	2.29E-09
3574	480863.09, 3850377.25	3.54E-05	5.57E-09	1.94E-09	4.33E-05	6.82E-09	2.38E-09	3.80E-05	5.98E-09	2.08E-09
3575	481363.09, 3850377.25	2.34E-05	3.69E-09	1.29E-09	2.87E-05	4.53E-09	1.58E-09	2.52E-05	3.97E-09	1.38E-09
3576	481863.09, 3850377.25	2.14E-05	3.38E-09	1.18E-09	2.63E-05	4.14E-09	1.44E-09	2.30E-05	3.63E-09	1.26E-09
3577	482363.09, 3850377.25	1.86E-05	2.93E-09	1.02E-09	2.28E-05	3.59E-09	1.25E-09	2.00E-05	3.15E-09	1.10E-09
3578	482863.09, 3850377.25	1.20E-05	1.89E-09	6.59E-10	1.47E-05	2.32E-09	8.07E-10	1.29E-05	2.03E-09	7.08E-10
3579	483363.09, 3850377.25	9.40E-06	1.48E-09	5.16E-10	1.15E-05	1.81E-09	6.32E-10	1.01E-05	1.59E-09	5.54E-10
3580	483863.09, 3850377.25	1.02E-05	1.61E-09	5.61E-10	1.25E-05	1.97E-09	6.88E-10	1.10E-05	1.73E-09	6.03E-10
3581	484363.09, 3850377.25	1.24E-05	1.95E-09	6.81E-10	1.52E-05	2.39E-09	8.34E-10	1.33E-05	2.10E-09	7.32E-10
3582	484863.09, 3850377.25	1.49E-05	2.35E-09	8.20E-10	1.83E-05	2.88E-09	1.00E-09	1.61E-05	2.53E-09	8.81E-10
3583	485363.09, 3850377.25	1.43E-05	2.26E-09	7.88E-10	1.76E-05	2.77E-09	9.65E-10	1.54E-05	2.43E-09	8.46E-10
3584	485863.09, 3850377.25	1.26E-05	1.98E-09	6.89E-10	1.54E-05	2.42E-09	8.44E-10	1.35E-05	2.13E-09	7.40E-10
3585	486363.09, 3850377.25	1.20E-05	1.89E-09	6.57E-10	1.47E-05	2.31E-09	8.05E-10	1.29E-05	2.03E-09	7.06E-10
3586	486863.09, 3850377.25	1.16E-05	1.83E-09	6.37E-10	1.42E-05	2.24E-09	7.80E-10	1.25E-05	1.96E-09	6.84E-10
3587	487363.09, 3850377.25	1.08E-05	1.71E-09	5.95E-10	1.33E-05	2.09E-09	7.29E-10	1.17E-05	1.84E-09	6.40E-10
3588	487863.09, 3850377.25	1.11E-05	1.75E-09	6.08E-10	1.36E-05	2.14E-09	7.45E-10	1.19E-05	1.88E-09	6.54E-10
3589	488363.09, 3850377.25	1.13E-05	1.78E-09	6.19E-10	1.38E-05	2.18E-09	7.58E-10	1.21E-05	1.91E-09	6.65E-10
3590	488863.09, 3850377.25	1.15E-05	1.81E-09	6.32E-10	1.41E-05	2.22E-09	7.74E-10	1.24E-05	1.95E-09	6.78E-10
3591	489363.09, 3850377.25	1.16E-05	1.83E-09	6.39E-10	1.43E-05	2.25E-09	7.82E-10	1.25E-05	1.97E-09	6.86E-10
3592	489863.09, 3850377.25	1.14E-05	1.80E-09	6.28E-10	1.40E-05	2.21E-09	7.69E-10	1.23E-05	1.94E-09	6.74E-10

3593	490363.09, 3850377.25	1.15E-05	1.81E-09	6.30E-10	1.41E-05	2.22E-09	7.72E-10	1.23E-05	1.94E-09	6.77E-10
3594	490863.09, 3850377.25	1.19E-05	1.87E-09	6.51E-10	1.45E-05	2.29E-09	7.97E-10	1.27E-05	2.01E-09	6.99E-10
3595	491363.09, 3850377.25	1.22E-05	1.92E-09	6.68E-10	1.49E-05	2.35E-09	8.18E-10	1.31E-05	2.06E-09	7.17E-10
3596	491863.09, 3850377.25	1.20E-05	1.88E-09	6.56E-10	1.46E-05	2.31E-09	8.03E-10	1.28E-05	2.02E-09	7.04E-10
3597	492363.09, 3850377.25	1.16E-05	1.82E-09	6.35E-10	1.42E-05	2.23E-09	7.78E-10	1.24E-05	1.96E-09	6.82E-10
3598	492863.09, 3850377.25	1.16E-05	1.82E-09	6.35E-10	1.42E-05	2.23E-09	7.78E-10	1.24E-05	1.96E-09	6.81E-10
3599	493363.09, 3850377.25	1.13E-05	1.78E-09	6.19E-10	1.38E-05	2.18E-09	7.58E-10	1.21E-05	1.91E-09	6.64E-10
3600	493863.09, 3850377.25	1.27E-05	2.00E-09	6.96E-10	1.55E-05	2.45E-09	8.52E-10	1.36E-05	2.14E-09	7.47E-10
3601	494363.09, 3850377.25	1.39E-05	2.20E-09	7.65E-10	1.71E-05	2.69E-09	9.37E-10	1.50E-05	2.36E-09	8.21E-10
3602	494863.09, 3850377.25	1.60E-05	2.52E-09	8.76E-10	1.96E-05	3.08E-09	1.07E-09	1.71E-05	2.70E-09	9.41E-10
3603	495363.09, 3850377.25	1.85E-05	2.91E-09	1.01E-09	2.26E-05	3.57E-09	1.24E-09	1.98E-05	3.13E-09	1.09E-09
3604	495863.09, 3850377.25	1.80E-05	2.84E-09	9.89E-10	2.21E-05	3.48E-09	1.21E-09	1.93E-05	3.05E-09	1.06E-09
3605	496363.09, 3850377.25	2.05E-05	3.24E-09	1.13E-09	2.52E-05	3.96E-09	1.38E-09	2.21E-05	3.48E-09	1.21E-09
3606	496863.09, 3850377.25	2.30E-05	3.62E-09	1.26E-09	2.82E-05	4.44E-09	1.55E-09	2.47E-05	3.89E-09	1.36E-09
3607	497363.09, 3850377.25	2.43E-05	3.82E-09	1.33E-09	2.97E-05	4.68E-09	1.63E-09	2.61E-05	4.10E-09	1.43E-09
3608	497863.09, 3850377.25	2.44E-05	3.84E-09	1.34E-09	2.99E-05	4.71E-09	1.64E-09	2.62E-05	4.13E-09	1.44E-09
3609	498363.09, 3850377.25	2.44E-05	3.85E-09	1.34E-09	2.99E-05	4.72E-09	1.64E-09	2.62E-05	4.13E-09	1.44E-09
3610	471363.09, 3850877.25	1.31E-05	2.06E-09	7.18E-10	1.60E-05	2.52E-09	8.80E-10	1.41E-05	2.21E-09	7.71E-10
3611	471863.09, 3850877.25	1.44E-05	2.27E-09	7.91E-10	1.77E-05	2.78E-09	9.69E-10	1.55E-05	2.44E-09	8.50E-10
3612	472363.09, 3850877.25	1.60E-05	2.52E-09	8.77E-10	1.96E-05	3.08E-09	1.07E-09	1.72E-05	2.70E-09	9.42E-10
3613	472863.09, 3850877.25	1.72E-05	2.71E-09	9.44E-10	2.11E-05	3.32E-09	1.16E-09	1.85E-05	2.91E-09	1.01E-09
3614	473363.09, 3850877.25	1.68E-05	2.65E-09	9.25E-10	2.06E-05	3.25E-09	1.13E-09	1.81E-05	2.85E-09	9.93E-10
3615	473863.09, 3850877.25	1.84E-05	2.89E-09	1.01E-09	2.25E-05	3.54E-09	1.23E-09	1.97E-05	3.11E-09	1.08E-09
3616	474363.09, 3850877.25	2.05E-05	3.23E-09	1.12E-09	2.51E-05	3.95E-09	1.38E-09	2.20E-05	3.47E-09	1.21E-09
3617	474863.09, 3850877.25	2.21E-05	3.48E-09	1.21E-09	2.71E-05	4.26E-09	1.48E-09	2.37E-05	3.74E-09	1.30E-09
3618	475363.09, 3850877.25	2.38E-05	3.75E-09	1.31E-09	2.92E-05	4.59E-09	1.60E-09	2.56E-05	4.03E-09	1.40E-09
3619	475863.09, 3850877.25	2.57E-05	4.06E-09	1.41E-09	3.15E-05	4.97E-09	1.73E-09	2.77E-05	4.36E-09	1.52E-09
3620	476363.09, 3850877.25	2.77E-05	4.36E-09	1.52E-09	3.39E-05	5.34E-09	1.86E-09	2.97E-05	4.69E-09	1.63E-09
3621	476863.09, 3850877.25	2.95E-05	4.64E-09	1.62E-09	3.61E-05	5.69E-09	1.98E-09	3.17E-05	4.99E-09	1.74E-09
3622	477363.09, 3850877.25	3.10E-05	4.89E-09	1.70E-09	3.80E-05	5.98E-09	2.08E-09	3.33E-05	5.25E-09	1.83E-09
3623	477863.09, 3850877.25	3.22E-05	5.07E-09	1.77E-09	3.94E-05	6.21E-09	2.16E-09	3.46E-05	5.44E-09	1.90E-09
3624	478363.09, 3850877.25	3.29E-05	5.18E-09	1.81E-09	4.03E-05	6.35E-09	2.21E-09	3.54E-05	5.57E-09	1.94E-09
3625	478863.09, 3850877.25	3.33E-05	5.24E-09	1.83E-09	4.08E-05	6.42E-09	2.24E-09	3.58E-05	5.63E-09	1.96E-09
3626	479363.09, 3850877.25	3.41E-05	5.37E-09	1.87E-09	4.18E-05	6.58E-09	2.29E-09	3.67E-05	5.77E-09	2.01E-09
3627	479863.09, 3850877.25	3.90E-05	6.14E-09	2.14E-09	4.77E-05	7.52E-09	2.62E-09	4.19E-05	6.59E-09	2.30E-09
3628	480363.09, 3850877.25	4.60E-05	7.24E-09	2.52E-09	5.63E-05	8.87E-09	3.09E-09	4.94E-05	7.78E-09	2.71E-09
3629	480863.09, 3850877.25	4.78E-05	7.53E-09	2.62E-09	5.86E-05	9.22E-09	3.21E-09	5.14E-05	8.09E-09	2.82E-09
3630	481363.09, 3850877.25	4.33E-05	6.82E-09	2.37E-09	5.30E-05	8.35E-09	2.91E-09	4.65E-05	7.32E-09	2.55E-09
3631	481863.09, 3850877.25	3.56E-05	5.61E-09	1.96E-09	4.36E-05	6.87E-09	2.40E-09	3.83E-05	6.03E-09	2.10E-09
3632	482363.09, 3850877.25	2.77E-05	4.36E-09	1.52E-09	3.39E-05	5.34E-09	1.86E-09	2.97E-05	4.68E-09	1.63E-09
3633	482863.09, 3850877.25	2.14E-05	3.38E-09	1.18E-09	2.63E-05	4.14E-09	1.44E-09	2.30E-05	3.63E-09	1.26E-09
3634	483363.09, 3850877.25	1.60E-05	2.52E-09	8.77E-10	1.96E-05	3.08E-09	1.07E-09	1.72E-05	2.70E-09	9.42E-10
3635	483863.09, 3850877.25	1.55E-05	2.44E-09	8.51E-10	1.90E-05	2.99E-09	1.04E-09	1.67E-05	2.62E-09	9.14E-10
3636	484363.09, 3850877.25	1.80E-05	2.84E-09	9.90E-10	2.21E-05	3.48E-09	1.21E-09	1.94E-05	3.05E-09	1.06E-09
3637	484863.09, 3850877.25	1.76E-05	2.77E-09	9.64E-10	2.15E-05	3.39E-09	1.18E-09	1.89E-05	2.97E-09	1.04E-09
3638	485363.09, 3850877.25	1.84E-05	2.89E-09	1.01E-09	2.25E-05	3.54E-09	1.23E-09	1.97E-05	3.11E-09	1.08E-09
3639	485863.09, 3850877.25	1.53E-05	2.41E-09	8.39E-10	1.87E-05	2.95E-09	1.03E-09	1.64E-05	2.59E-09	9.02E-10
3640	486363.09, 3850877.25	1.57E-05	2.48E-09	8.64E-10	1.93E-05	3.04E-09	1.06E-09	1.69E-05	2.66E-09	9.28E-10
3641	486863.09, 3850877.25	1.51E-05	2.38E-09	8.27E-10	1.85E-05	2.91E-09	1.01E-09	1.62E-05	2.55E-09	8.89E-10
3642	487363.09, 3850877.25	1.44E-05	2.27E-09	7.91E-10	1.77E-05	2.78E-09	9.69E-10	1.55E-05	2.44E-09	8.50E-10
3643	487863.09, 3850877.25	1.47E-05	2.31E-09	8.04E-10	1.80E-05	2.83E-09	9.85E-10	1.57E-05	2.48E-09	8.64E-10
3644	488363.09, 3850877.25	1.50E-05	2.36E-09	8.22E-10	1.83E-05	2.89E-09	1.01E-09	1.61E-05	2.54E-09	8.83E-10
3645	488863.09, 3850877.25	1.51E-05	2.38E-09	8.31E-10	1.85E-05	2.92E-09	1.02E-09	1.63E-05	2.56E-09	8.93E-10
3646	489363.09, 3850877.25	1.54E-05	2.43E-09	8.48E-10	1.89E-05	2.98E-09	1.04E-09	1.66E-05	2.61E-09	9.11E-10
3647	489863.09, 3850877.25	1.56E-05	2.46E-09	8.57E-10	1.91E-05	3.01E-09	1.05E-09	1.68E-05	2.64E-09	9.21E-10
3648	490363.09, 3850877.25	1.63E-05	2.56E-09	8.92E-10	1.99E-05	3.14E-09	1.09E-09	1.75E-05	2.75E-09	9.58E-10
3649	490863.09, 3850877.25	1.69E-05	2.66E-09	9.25E-10	2.07E-05	3.25E-09	1.13E-09	1.81E-05	2.85E-09	9.93E-10
3650	491363.09, 3850877.25	1.68E-05	2.65E-09	9.24E-10	2.06E-05	3.25E-09	1.13E-09	1.81E-05	2.85E-09	9.92E-10
3651	491863.09, 3850877.25	1.66E-05	2.61E-09	9.09E-10	2.03E-05	3.20E-09	1.11E-09	1.78E-05	2.80E-09	9.76E-10
3652	492363.09, 3850877.25	1.64E-05	2.58E-09	8.99E-10	2.01E-05	3.16E-09	1.10E-09	1.76E-05	2.77E-09	9.65E-10
3653	492863.09, 3850877.25	1.65E-05	2.60E-09	9.05E-10	2.02E-05	3.18E-09	1.11E-09	1.77E-05	2.79E-09	9.71E-10
3654	493363.09, 3850877.25	1.70E-05	2.67E-09	9.31E-10	2.08E-05	3.28E-09	1.14E-09	1.82E-05	2.87E-09	1.00E-09

3655	493863.09, 3850877.25	1.90E-05	3.00E-09	1.04E-09	2.33E-05	3.67E-09	1.28E-09	2.04E-05	3.22E-09	1.12E-09
3656	494363.09, 3850877.25	2.02E-05	3.18E-09	1.11E-09	2.47E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
3657	494863.09, 3850877.25	2.26E-05	3.56E-09	1.24E-09	2.77E-05	4.36E-09	1.52E-09	2.43E-05	3.82E-09	1.33E-09
3658	495363.09, 3850877.25	2.52E-05	3.98E-09	1.38E-09	3.09E-05	4.87E-09	1.70E-09	2.71E-05	4.27E-09	1.49E-09
3659	495863.09, 3850877.25	2.59E-05	4.09E-09	1.42E-09	3.18E-05	5.00E-09	1.74E-09	2.79E-05	4.39E-09	1.53E-09
3660	496363.09, 3850877.25	2.75E-05	4.33E-09	1.51E-09	3.37E-05	5.31E-09	1.85E-09	2.95E-05	4.65E-09	1.62E-09
3661	496863.09, 3850877.25	3.00E-05	4.72E-09	1.64E-09	3.67E-05	5.78E-09	2.01E-09	3.22E-05	5.07E-09	1.77E-09
3662	497363.09, 3850877.25	3.03E-05	4.77E-09	1.66E-09	3.71E-05	5.85E-09	2.04E-09	3.25E-05	5.13E-09	1.79E-09
3663	497863.09, 3850877.25	2.99E-05	4.71E-09	1.64E-09	3.66E-05	5.77E-09	2.01E-09	3.21E-05	5.06E-09	1.76E-09
3664	498363.09, 3850877.25	2.94E-05	4.63E-09	1.61E-09	3.60E-05	5.68E-09	1.98E-09	3.16E-05	4.98E-09	1.73E-09
3665	471363.09, 3851377.25	1.40E-05	2.20E-09	7.67E-10	1.71E-05	2.70E-09	9.40E-10	1.50E-05	2.37E-09	8.24E-10
3666	471863.09, 3851377.25	1.67E-05	2.63E-09	9.16E-10	2.04E-05	3.22E-09	1.12E-09	1.79E-05	2.82E-09	9.84E-10
3667	472363.09, 3851377.25	1.72E-05	2.72E-09	9.46E-10	2.11E-05	3.33E-09	1.16E-09	1.85E-05	2.92E-09	1.02E-09
3668	472863.09, 3851377.25	1.79E-05	2.81E-09	9.80E-10	2.19E-05	3.44E-09	1.20E-09	1.92E-05	3.02E-09	1.05E-09
3669	473363.09, 3851377.25	1.70E-05	2.68E-09	9.33E-10	2.08E-05	3.28E-09	1.14E-09	1.83E-05	2.88E-09	1.00E-09
3670	473863.09, 3851377.25	1.79E-05	2.82E-09	9.83E-10	2.19E-05	3.46E-09	1.20E-09	1.92E-05	3.03E-09	1.06E-09
3671	474363.09, 3851377.25	2.02E-05	3.19E-09	1.11E-09	2.48E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
3672	474863.09, 3851377.25	2.21E-05	3.48E-09	1.21E-09	2.71E-05	4.27E-09	1.49E-09	2.37E-05	3.74E-09	1.30E-09
3673	475363.09, 3851377.25	2.42E-05	3.81E-09	1.33E-09	2.96E-05	4.66E-09	1.62E-09	2.60E-05	4.09E-09	1.42E-09
3674	475863.09, 3851377.25	2.60E-05	4.10E-09	1.43E-09	3.19E-05	5.02E-09	1.75E-09	2.80E-05	4.41E-09	1.54E-09
3675	476363.09, 3851377.25	2.82E-05	4.44E-09	1.55E-09	3.45E-05	5.44E-09	1.90E-09	3.03E-05	4.77E-09	1.66E-09
3676	476863.09, 3851377.25	3.02E-05	4.76E-09	1.66E-09	3.70E-05	5.83E-09	2.03E-09	3.25E-05	5.12E-09	1.78E-09
3677	477363.09, 3851377.25	3.32E-05	5.24E-09	1.82E-09	4.07E-05	6.41E-09	2.23E-09	3.57E-05	5.63E-09	1.96E-09
3678	477863.09, 3851377.25	3.56E-05	5.61E-09	1.96E-09	4.36E-05	6.88E-09	2.40E-09	3.83E-05	6.03E-09	2.10E-09
3679	478363.09, 3851377.25	3.75E-05	5.91E-09	2.06E-09	4.60E-05	7.24E-09	2.52E-09	4.03E-05	6.35E-09	2.21E-09
3680	478863.09, 3851377.25	3.89E-05	6.14E-09	2.14E-09	4.77E-05	7.52E-09	2.62E-09	4.19E-05	6.59E-09	2.30E-09
3681	479363.09, 3851377.25	3.97E-05	6.25E-09	2.18E-09	4.86E-05	7.65E-09	2.67E-09	4.26E-05	6.72E-09	2.34E-09
3682	479863.09, 3851377.25	4.07E-05	6.41E-09	2.23E-09	4.99E-05	7.86E-09	2.74E-09	4.38E-05	6.89E-09	2.40E-09
3683	480363.09, 3851377.25	4.64E-05	7.31E-09	2.55E-09	5.69E-05	8.96E-09	3.12E-09	4.99E-05	7.86E-09	2.74E-09
3684	480863.09, 3851377.25	5.47E-05	8.62E-09	3.00E-09	6.71E-05	1.06E-08	3.68E-09	5.88E-05	9.27E-09	3.23E-09
3685	481363.09, 3851377.25	5.76E-05	9.08E-09	3.16E-09	7.06E-05	1.11E-08	3.87E-09	6.19E-05	9.76E-09	3.40E-09
3686	481863.09, 3851377.25	5.12E-05	8.07E-09	2.81E-09	6.27E-05	9.88E-09	3.44E-09	5.50E-05	8.67E-09	3.02E-09
3687	482363.09, 3851377.25	4.42E-05	6.97E-09	2.43E-09	5.42E-05	8.54E-09	2.97E-09	4.75E-05	7.49E-09	2.61E-09
3688	482863.09, 3851377.25	3.44E-05	5.41E-09	1.89E-09	4.21E-05	6.63E-09	2.31E-09	3.69E-05	5.82E-09	2.03E-09
3689	483363.09, 3851377.25	2.44E-05	3.84E-09	1.34E-09	2.98E-05	4.70E-09	1.64E-09	2.62E-05	4.12E-09	1.44E-09
3690	483863.09, 3851377.25	2.12E-05	3.35E-09	1.17E-09	2.60E-05	4.10E-09	1.43E-09	2.28E-05	3.59E-09	1.25E-09
3691	484363.09, 3851377.25	2.66E-05	4.19E-09	1.46E-09	3.26E-05	5.13E-09	1.79E-09	2.86E-05	4.50E-09	1.57E-09
3692	484863.09, 3851377.25	1.84E-05	2.90E-09	1.01E-09	2.26E-05	3.56E-09	1.24E-09	1.98E-05	3.12E-09	1.09E-09
3693	485363.09, 3851377.25	2.47E-05	3.88E-09	1.35E-09	3.02E-05	4.76E-09	1.66E-09	2.65E-05	4.17E-09	1.45E-09
3694	485863.09, 3851377.25	1.99E-05	3.14E-09	1.09E-09	2.44E-05	3.85E-09	1.34E-09	2.14E-05	3.38E-09	1.18E-09
3695	486363.09, 3851377.25	2.17E-05	3.42E-09	1.19E-09	2.66E-05	4.19E-09	1.46E-09	2.33E-05	3.68E-09	1.28E-09
3696	486863.09, 3851377.25	2.05E-05	3.24E-09	1.13E-09	2.52E-05	3.96E-09	1.38E-09	2.21E-05	3.48E-09	1.21E-09
3697	487363.09, 3851377.25	1.77E-05	2.79E-09	9.73E-10	2.17E-05	3.42E-09	1.19E-09	1.90E-05	3.00E-09	1.05E-09
3698	487863.09, 3851377.25	1.98E-05	3.12E-09	1.09E-09	2.43E-05	3.83E-09	1.33E-09	2.13E-05	3.36E-09	1.17E-09
3699	488363.09, 3851377.25	2.06E-05	3.25E-09	1.13E-09	2.52E-05	3.98E-09	1.39E-09	2.21E-05	3.49E-09	1.22E-09
3700	488863.09, 3851377.25	2.09E-05	3.30E-09	1.15E-09	2.57E-05	4.04E-09	1.41E-09	2.25E-05	3.54E-09	1.23E-09
3701	489363.09, 3851377.25	2.16E-05	3.40E-09	1.19E-09	2.65E-05	4.17E-09	1.45E-09	2.32E-05	3.66E-09	1.27E-09
3702	489863.09, 3851377.25	2.23E-05	3.51E-09	1.22E-09	2.73E-05	4.30E-09	1.50E-09	2.39E-05	3.77E-09	1.31E-09
3703	490363.09, 3851377.25	2.31E-05	3.63E-09	1.27E-09	2.83E-05	4.45E-09	1.55E-09	2.48E-05	3.90E-09	1.36E-09
3704	490863.09, 3851377.25	2.35E-05	3.71E-09	1.29E-09	2.88E-05	4.54E-09	1.58E-09	2.53E-05	3.98E-09	1.39E-09
3705	491363.09, 3851377.25	2.33E-05	3.67E-09	1.28E-09	2.86E-05	4.50E-09	1.57E-09	2.50E-05	3.94E-09	1.37E-09
3706	491863.09, 3851377.25	2.33E-05	3.67E-09	1.28E-09	2.86E-05	4.50E-09	1.57E-09	2.50E-05	3.94E-09	1.37E-09
3707	492363.09, 3851377.25	2.37E-05	3.73E-09	1.30E-09	2.90E-05	4.57E-09	1.59E-09	2.54E-05	4.00E-09	1.39E-09
3708	492863.09, 3851377.25	2.33E-05	3.68E-09	1.28E-09	2.86E-05	4.51E-09	1.57E-09	2.51E-05	3.95E-09	1.38E-09
3709	493363.09, 3851377.25	2.12E-05	3.35E-09	1.17E-09	2.60E-05	4.10E-09	1.43E-09	2.28E-05	3.59E-09	1.25E-09
3710	493863.09, 3851377.25	2.35E-05	3.71E-09	1.29E-09	2.88E-05	4.54E-09	1.58E-09	2.53E-05	3.98E-09	1.39E-09
3711	494363.09, 3851377.25	2.83E-05	4.46E-09	1.55E-09	3.47E-05	5.46E-09	1.90E-09	3.04E-05	4.79E-09	1.67E-09
3712	494863.09, 3851377.25	2.97E-05	4.67E-09	1.63E-09	3.63E-05	5.72E-09	1.99E-09	3.19E-05	5.02E-09	1.75E-09
3713	495363.09, 3851377.25	3.46E-05	5.45E-09	1.90E-09	4.24E-05	6.67E-09	2.33E-09	3.71E-05	5.85E-09	2.04E-09
3714	495863.09, 3851377.25	3.65E-05	5.75E-09	2.00E-09	4.47E-05	7.05E-09	2.46E-09	3.92E-05	6.18E-09	2.15E-09
3715	496363.09, 3851377.25	3.75E-05	5.90E-09	2.06E-09	4.59E-05	7.23E-09	2.52E-09	4.02E-05	6.34E-09	2.21E-09
3716	496863.09, 3851377.25	3.77E-05	5.94E-09	2.07E-09	4.62E-05	7.27E-09	2.53E-09	4.05E-05	6.38E-09	2.22E-09

3717	497363.09, 3851377.25	3.77E-05	5.94E-09	2.07E-09	4.62E-05	7.28E-09	2.53E-09	4.05E-05	6.38E-09	2.22E-09
3718	497863.09, 3851377.25	3.70E-05	5.83E-09	2.03E-09	4.53E-05	7.14E-09	2.49E-09	3.97E-05	6.26E-09	2.18E-09
3719	498363.09, 3851377.25	3.49E-05	5.50E-09	1.92E-09	4.28E-05	6.74E-09	2.35E-09	3.75E-05	5.91E-09	2.06E-09
3720	471363.09, 3851877.25	1.56E-05	2.45E-09	8.54E-10	1.91E-05	3.00E-09	1.05E-09	1.67E-05	2.63E-09	9.17E-10
3721	471863.09, 3851877.25	1.53E-05	2.42E-09	8.42E-10	1.88E-05	2.96E-09	1.03E-09	1.65E-05	2.59E-09	9.04E-10
3722	472363.09, 3851877.25	1.71E-05	2.69E-09	9.38E-10	2.09E-05	3.30E-09	1.15E-09	1.84E-05	2.89E-09	1.01E-09
3723	472863.09, 3851877.25	1.87E-05	2.94E-09	1.03E-09	2.29E-05	3.61E-09	1.26E-09	2.01E-05	3.16E-09	1.10E-09
3724	473363.09, 3851877.25	1.81E-05	2.85E-09	9.92E-10	2.21E-05	3.49E-09	1.22E-09	1.94E-05	3.06E-09	1.07E-09
3725	473863.09, 3851877.25	1.88E-05	2.96E-09	1.03E-09	2.30E-05	3.63E-09	1.26E-09	2.02E-05	3.18E-09	1.11E-09
3726	474363.09, 3851877.25	2.16E-05	3.40E-09	1.18E-09	2.64E-05	4.16E-09	1.45E-09	2.32E-05	3.65E-09	1.27E-09
3727	474863.09, 3851877.25	2.40E-05	3.77E-09	1.31E-09	2.93E-05	4.62E-09	1.61E-09	2.57E-05	4.05E-09	1.41E-09
3728	475363.09, 3851877.25	2.54E-05	4.00E-09	1.39E-09	3.11E-05	4.90E-09	1.71E-09	2.73E-05	4.30E-09	1.50E-09
3729	475863.09, 3851877.25	2.66E-05	4.19E-09	1.46E-09	3.26E-05	5.14E-09	1.79E-09	2.86E-05	4.50E-09	1.57E-09
3730	476363.09, 3851877.25	2.71E-05	4.27E-09	1.49E-09	3.32E-05	5.23E-09	1.82E-09	2.91E-05	4.58E-09	1.60E-09
3731	476863.09, 3851877.25	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.73E-09	2.00E-09	3.19E-05	5.03E-09	1.75E-09
3732	477363.09, 3851877.25	3.29E-05	5.19E-09	1.81E-09	4.03E-05	6.36E-09	2.21E-09	3.54E-05	5.57E-09	1.94E-09
3733	477863.09, 3851877.25	3.64E-05	5.73E-09	2.00E-09	4.46E-05	7.02E-09	2.45E-09	3.91E-05	6.16E-09	2.15E-09
3734	478363.09, 3851877.25	3.94E-05	6.21E-09	2.16E-09	4.83E-05	7.61E-09	2.65E-09	4.23E-05	6.67E-09	2.32E-09
3735	478863.09, 3851877.25	4.34E-05	6.84E-09	2.38E-09	5.32E-05	8.38E-09	2.92E-09	4.66E-05	7.35E-09	2.56E-09
3736	479363.09, 3851877.25	4.67E-05	7.36E-09	2.56E-09	5.72E-05	9.02E-09	3.14E-09	5.02E-05	7.91E-09	2.76E-09
3737	479863.09, 3851877.25	4.83E-05	7.61E-09	2.65E-09	5.91E-05	9.32E-09	3.25E-09	5.19E-05	8.17E-09	2.85E-09
3738	480363.09, 3851877.25	4.96E-05	7.82E-09	2.72E-09	6.08E-05	9.58E-09	3.34E-09	5.34E-05	8.41E-09	2.93E-09
3739	480863.09, 3851877.25	5.63E-05	8.86E-09	3.09E-09	6.89E-05	1.09E-08	3.78E-09	6.05E-05	9.53E-09	3.32E-09
3740	481363.09, 3851877.25	6.63E-05	1.04E-08	3.64E-09	8.12E-05	1.28E-08	4.46E-09	7.13E-05	1.12E-08	3.91E-09
3741	481863.09, 3851877.25	7.04E-05	1.11E-08	3.86E-09	8.62E-05	1.36E-08	4.73E-09	7.57E-05	1.19E-08	4.15E-09
3742	482363.09, 3851877.25	5.66E-05	8.91E-09	3.11E-09	6.93E-05	1.09E-08	3.80E-09	6.08E-05	9.58E-09	3.34E-09
3743	482863.09, 3851877.25	3.92E-05	6.18E-09	2.15E-09	4.80E-05	7.57E-09	2.64E-09	4.21E-05	6.64E-09	2.31E-09
3744	483363.09, 3851877.25	3.94E-05	6.20E-09	2.16E-09	4.82E-05	7.60E-09	2.65E-09	4.23E-05	6.66E-09	2.32E-09
3745	483863.09, 3851877.25	3.58E-05	5.64E-09	1.96E-09	4.38E-05	6.90E-09	2.41E-09	3.84E-05	6.05E-09	2.11E-09
3746	484363.09, 3851877.25	3.78E-05	5.96E-09	2.07E-09	4.63E-05	7.30E-09	2.54E-09	4.06E-05	6.40E-09	2.23E-09
3747	484863.09, 3851877.25	3.24E-05	5.10E-09	1.78E-09	3.97E-05	6.25E-09	2.18E-09	3.48E-05	5.48E-09	1.91E-09
3748	485363.09, 3851877.25	3.31E-05	5.21E-09	1.82E-09	4.05E-05	6.39E-09	2.22E-09	3.56E-05	5.60E-09	1.95E-09
3749	485863.09, 3851877.25	3.31E-05	5.22E-09	1.82E-09	4.06E-05	6.39E-09	2.23E-09	3.56E-05	5.61E-09	1.95E-09
3750	486363.09, 3851877.25	2.89E-05	4.55E-09	1.58E-09	3.54E-05	5.57E-09	1.94E-09	3.10E-05	4.89E-09	1.70E-09
3751	486863.09, 3851877.25	2.86E-05	4.51E-09	1.57E-09	3.51E-05	5.52E-09	1.92E-09	3.08E-05	4.85E-09	1.69E-09
3752	487363.09, 3851877.25	2.84E-05	4.47E-09	1.56E-09	3.48E-05	5.48E-09	1.91E-09	3.05E-05	4.80E-09	1.67E-09
3753	487863.09, 3851877.25	2.49E-05	3.92E-09	1.37E-09	3.05E-05	4.80E-09	1.67E-09	2.67E-05	4.21E-09	1.47E-09
3754	488363.09, 3851877.25	2.59E-05	4.08E-09	1.42E-09	3.17E-05	5.00E-09	1.74E-09	2.78E-05	4.38E-09	1.53E-09
3755	488863.09, 3851877.25	2.58E-05	4.06E-09	1.41E-09	3.16E-05	4.97E-09	1.73E-09	2.77E-05	4.36E-09	1.52E-09
3756	489363.09, 3851877.25	2.61E-05	4.11E-09	1.43E-09	3.19E-05	5.03E-09	1.75E-09	2.80E-05	4.41E-09	1.54E-09
3757	489863.09, 3851877.25	2.69E-05	4.24E-09	1.48E-09	3.30E-05	5.20E-09	1.81E-09	2.89E-05	4.55E-09	1.59E-09
3758	490363.09, 3851877.25	2.86E-05	4.51E-09	1.57E-09	3.51E-05	5.52E-09	1.92E-09	3.07E-05	4.84E-09	1.69E-09
3759	490863.09, 3851877.25	3.06E-05	4.82E-09	1.68E-09	3.75E-05	5.90E-09	2.06E-09	3.28E-05	5.17E-09	1.80E-09
3760	491363.09, 3851877.25	3.27E-05	5.15E-09	1.79E-09	4.00E-05	6.30E-09	2.20E-09	3.51E-05	5.52E-09	1.92E-09
3761	491863.09, 3851877.25	3.41E-05	5.37E-09	1.87E-09	4.17E-05	6.58E-09	2.29E-09	3.66E-05	5.76E-09	2.01E-09
3762	492363.09, 3851877.25	3.34E-05	5.26E-09	1.83E-09	4.09E-05	6.44E-09	2.25E-09	3.58E-05	5.65E-09	1.97E-09
3763	492863.09, 3851877.25	2.90E-05	4.57E-09	1.59E-09	3.56E-05	5.60E-09	1.95E-09	3.12E-05	4.91E-09	1.71E-09
3764	493363.09, 3851877.25	3.51E-05	5.53E-09	1.93E-09	4.30E-05	6.78E-09	2.36E-09	3.77E-05	5.94E-09	2.07E-09
3765	493863.09, 3851877.25	4.20E-05	6.61E-09	2.30E-09	5.14E-05	8.10E-09	2.82E-09	4.51E-05	7.10E-09	2.47E-09
3766	494363.09, 3851877.25	4.08E-05	6.42E-09	2.24E-09	5.00E-05	7.87E-09	2.74E-09	4.38E-05	6.90E-09	2.40E-09
3767	494863.09, 3851877.25	4.51E-05	7.11E-09	2.48E-09	5.53E-05	8.71E-09	3.03E-09	4.85E-05	7.64E-09	2.66E-09
3768	495363.09, 3851877.25	4.78E-05	7.53E-09	2.62E-09	5.85E-05	9.22E-09	3.21E-09	5.13E-05	8.09E-09	2.82E-09
3769	495863.09, 3851877.25	4.93E-05	7.76E-09	2.70E-09	6.03E-05	9.51E-09	3.31E-09	5.29E-05	8.33E-09	2.90E-09
3770	496363.09, 3851877.25	4.85E-05	7.64E-09	2.66E-09	5.94E-05	9.36E-09	3.26E-09	5.21E-05	8.20E-09	2.86E-09
3771	496863.09, 3851877.25	4.73E-05	7.45E-09	2.59E-09	5.79E-05	9.12E-09	3.18E-09	5.08E-05	8.00E-09	2.79E-09
3772	497363.09, 3851877.25	4.57E-05	7.20E-09	2.51E-09	5.60E-05	8.82E-09	3.07E-09	4.91E-05	7.73E-09	2.69E-09
3773	497863.09, 3851877.25	4.25E-05	6.69E-09	2.33E-09	5.20E-05	8.19E-09	2.85E-09	4.56E-05	7.18E-09	2.50E-09
3774	498363.09, 3851877.25	3.95E-05	6.23E-09	2.17E-09	4.84E-05	7.63E-09	2.66E-09	4.25E-05	6.69E-09	2.33E-09
3775	471363.09, 3852377.25	1.45E-05	2.29E-09	7.97E-10	1.78E-05	2.80E-09	9.77E-10	1.56E-05	2.46E-09	8.56E-10
3776	471863.09, 3852377.25	1.66E-05	2.61E-09	9.09E-10	2.03E-05	3.19E-09	1.11E-09	1.78E-05	2.80E-09	9.75E-10
3777	472363.09, 3852377.25	1.80E-05	2.84E-09	9.89E-10	2.21E-05	3.48E-09	1.21E-09	1.93E-05	3.05E-09	1.06E-09
3778	472863.09, 3852377.25	1.93E-05	3.04E-09	1.06E-09	2.36E-05	3.72E-09	1.30E-09	2.07E-05	3.26E-09	1.14E-09

3779	473363.09, 3852377.25	2.01E-05	3.17E-09	1.10E-09	2.46E-05	3.88E-09	1.35E-09	2.16E-05	3.40E-09	1.18E-09
3780	473863.09, 3852377.25	2.06E-05	3.24E-09	1.13E-09	2.52E-05	3.97E-09	1.38E-09	2.21E-05	3.48E-09	1.21E-09
3781	474363.09, 3852377.25	2.13E-05	3.36E-09	1.17E-09	2.61E-05	4.11E-09	1.43E-09	2.29E-05	3.61E-09	1.26E-09
3782	474863.09, 3852377.25	2.58E-05	4.06E-09	1.42E-09	3.16E-05	4.98E-09	1.73E-09	2.77E-05	4.36E-09	1.52E-09
3783	475363.09, 3852377.25	2.69E-05	4.24E-09	1.48E-09	3.30E-05	5.20E-09	1.81E-09	2.89E-05	4.56E-09	1.59E-09
3784	475863.09, 3852377.25	2.81E-05	4.42E-09	1.54E-09	3.44E-05	5.41E-09	1.89E-09	3.01E-05	4.75E-09	1.65E-09
3785	476363.09, 3852377.25	2.87E-05	4.52E-09	1.57E-09	3.51E-05	5.53E-09	1.93E-09	3.08E-05	4.85E-09	1.69E-09
3786	476863.09, 3852377.25	3.04E-05	4.78E-09	1.67E-09	3.72E-05	5.86E-09	2.04E-09	3.26E-05	5.14E-09	1.79E-09
3787	477363.09, 3852377.25	3.15E-05	4.96E-09	1.73E-09	3.86E-05	6.08E-09	2.12E-09	3.38E-05	5.33E-09	1.86E-09
3788	477863.09, 3852377.25	2.95E-05	4.65E-09	1.62E-09	3.62E-05	5.70E-09	1.99E-09	3.17E-05	5.00E-09	1.74E-09
3789	478363.09, 3852377.25	2.90E-05	4.58E-09	1.59E-09	3.56E-05	5.60E-09	1.95E-09	3.12E-05	4.91E-09	1.71E-09
3790	478863.09, 3852377.25	3.82E-05	6.01E-09	2.09E-09	4.68E-05	7.37E-09	2.57E-09	4.10E-05	6.46E-09	2.25E-09
3791	479363.09, 3852377.25	4.59E-05	7.23E-09	2.52E-09	5.62E-05	8.86E-09	3.09E-09	4.93E-05	7.77E-09	2.71E-09
3792	479863.09, 3852377.25	5.55E-05	8.74E-09	3.05E-09	6.80E-05	1.07E-08	3.73E-09	5.96E-05	9.39E-09	3.27E-09
3793	480363.09, 3852377.25	6.05E-05	9.54E-09	3.32E-09	7.42E-05	1.17E-08	4.07E-09	6.51E-05	1.02E-08	3.57E-09
3794	480863.09, 3852377.25	6.28E-05	9.90E-09	3.45E-09	7.70E-05	1.21E-08	4.22E-09	6.75E-05	1.06E-08	3.71E-09
3795	481363.09, 3852377.25	7.11E-05	1.12E-08	3.90E-09	8.71E-05	1.37E-08	4.78E-09	7.65E-05	1.20E-08	4.20E-09
3796	481863.09, 3852377.25	8.40E-05	1.32E-08	4.61E-09	1.03E-04	1.62E-08	5.64E-09	9.02E-05	1.42E-08	4.95E-09
3797	482363.09, 3852377.25	8.82E-05	1.39E-08	4.84E-09	1.08E-04	1.70E-08	5.93E-09	9.48E-05	1.49E-08	5.20E-09
3798	482863.09, 3852377.25	7.96E-05	1.25E-08	4.37E-09	9.75E-05	1.54E-08	5.35E-09	8.55E-05	1.35E-08	4.69E-09
3799	483363.09, 3852377.25	5.82E-05	9.17E-09	3.19E-09	7.13E-05	1.12E-08	3.91E-09	6.25E-05	9.85E-09	3.43E-09
3800	483863.09, 3852377.25	4.77E-05	7.52E-09	2.62E-09	5.85E-05	9.21E-09	3.21E-09	5.13E-05	8.08E-09	2.81E-09
3801	484363.09, 3852377.25	5.25E-05	8.27E-09	2.88E-09	6.43E-05	1.01E-08	3.53E-09	5.64E-05	8.88E-09	3.10E-09
3802	484863.09, 3852377.25	5.29E-05	8.33E-09	2.90E-09	6.48E-05	1.02E-08	3.56E-09	5.69E-05	8.96E-09	3.12E-09
3803	485363.09, 3852377.25	5.47E-05	8.62E-09	3.00E-09	6.71E-05	1.06E-08	3.68E-09	5.89E-05	9.27E-09	3.23E-09
3804	485863.09, 3852377.25	4.96E-05	7.81E-09	2.72E-09	6.07E-05	9.57E-09	3.33E-09	5.33E-05	8.40E-09	2.92E-09
3805	486363.09, 3852377.25	4.15E-05	6.54E-09	2.28E-09	5.08E-05	8.01E-09	2.79E-09	4.46E-05	7.02E-09	2.45E-09
3806	486863.09, 3852377.25	3.91E-05	6.16E-09	2.15E-09	4.79E-05	7.54E-09	2.63E-09	4.20E-05	6.62E-09	2.31E-09
3807	487363.09, 3852377.25	3.60E-05	5.67E-09	1.97E-09	4.41E-05	6.94E-09	2.42E-09	3.87E-05	6.09E-09	2.12E-09
3808	487863.09, 3852377.25	3.44E-05	5.41E-09	1.89E-09	4.21E-05	6.63E-09	2.31E-09	3.69E-05	5.82E-09	2.03E-09
3809	488363.09, 3852377.25	3.37E-05	5.30E-09	1.85E-09	4.13E-05	6.50E-09	2.26E-09	3.62E-05	5.70E-09	1.98E-09
3810	488863.09, 3852377.25	3.27E-05	5.15E-09	1.79E-09	4.00E-05	6.31E-09	2.20E-09	3.51E-05	5.53E-09	1.93E-09
3811	489363.09, 3852377.25	3.28E-05	5.16E-09	1.80E-09	4.02E-05	6.33E-09	2.20E-09	3.52E-05	5.54E-09	1.93E-09
3812	489863.09, 3852377.25	3.15E-05	4.97E-09	1.73E-09	3.86E-05	6.08E-09	2.12E-09	3.38E-05	5.33E-09	1.86E-09
3813	490363.09, 3852377.25	3.63E-05	5.72E-09	1.99E-09	4.45E-05	7.00E-09	2.44E-09	3.89E-05	6.14E-09	2.14E-09
3814	490863.09, 3852377.25	4.01E-05	6.32E-09	2.20E-09	4.91E-05	7.74E-09	2.70E-09	4.30E-05	6.78E-09	2.36E-09
3815	491363.09, 3852377.25	4.81E-05	7.58E-09	2.64E-09	5.89E-05	9.28E-09	3.23E-09	5.16E-05	8.13E-09	2.83E-09
3816	491863.09, 3852377.25	5.00E-05	7.88E-09	2.74E-09	6.12E-05	9.65E-09	3.36E-09	5.37E-05	8.46E-09	2.95E-09
3817	492363.09, 3852377.25	5.09E-05	8.02E-09	2.80E-09	6.24E-05	9.83E-09	3.42E-09	5.47E-05	8.62E-09	3.00E-09
3818	492863.09, 3852377.25	5.46E-05	8.60E-09	3.00E-09	6.68E-05	1.05E-08	3.67E-09	5.86E-05	9.23E-09	3.22E-09
3819	493363.09, 3852377.25	6.08E-05	9.57E-09	3.33E-09	7.44E-05	1.17E-08	4.08E-09	6.52E-05	1.03E-08	3.58E-09
3820	493863.09, 3852377.25	6.01E-05	9.46E-09	3.30E-09	7.36E-05	1.16E-08	4.04E-09	6.45E-05	1.02E-08	3.54E-09
3821	494363.09, 3852377.25	5.94E-05	9.36E-09	3.26E-09	7.28E-05	1.15E-08	3.99E-09	6.38E-05	1.00E-08	3.50E-09
3822	494863.09, 3852377.25	6.23E-05	9.81E-09	3.42E-09	7.63E-05	1.20E-08	4.19E-09	6.69E-05	1.05E-08	3.67E-09
3823	495363.09, 3852377.25	6.51E-05	1.03E-08	3.57E-09	7.97E-05	1.26E-08	4.38E-09	6.99E-05	1.10E-08	3.84E-09
3824	495863.09, 3852377.25	6.23E-05	9.82E-09	3.42E-09	7.64E-05	1.20E-08	4.19E-09	6.69E-05	1.05E-08	3.67E-09
3825	496363.09, 3852377.25	5.94E-05	9.35E-09	3.26E-09	7.27E-05	1.15E-08	3.99E-09	6.38E-05	1.00E-08	3.50E-09
3826	496863.09, 3852377.25	5.73E-05	9.03E-09	3.15E-09	7.02E-05	1.11E-08	3.85E-09	6.16E-05	9.70E-09	3.38E-09
3827	497363.09, 3852377.25	5.19E-05	8.18E-09	2.85E-09	6.36E-05	1.00E-08	3.49E-09	5.58E-05	8.78E-09	3.06E-09
3828	497863.09, 3852377.25	4.67E-05	7.35E-09	2.56E-09	5.72E-05	9.01E-09	3.14E-09	5.01E-05	7.90E-09	2.75E-09
3829	498363.09, 3852377.25	4.20E-05	6.62E-09	2.31E-09	5.15E-05	8.11E-09	2.82E-09	4.51E-05	7.11E-09	2.48E-09
3830	471363.09, 3852877.25	1.50E-05	2.36E-09	8.21E-10	1.83E-05	2.89E-09	1.01E-09	1.61E-05	2.53E-09	8.81E-10
3831	471863.09, 3852877.25	1.66E-05	2.61E-09	9.10E-10	2.03E-05	3.20E-09	1.11E-09	1.78E-05	2.81E-09	9.77E-10
3832	472363.09, 3852877.25	1.83E-05	2.88E-09	1.00E-09	2.24E-05	3.52E-09	1.23E-09	1.96E-05	3.09E-09	1.08E-09
3833	472863.09, 3852877.25	1.98E-05	3.13E-09	1.09E-09	2.43E-05	3.83E-09	1.33E-09	2.13E-05	3.36E-09	1.17E-09
3834	473363.09, 3852877.25	2.16E-05	3.41E-09	1.19E-09	2.65E-05	4.17E-09	1.45E-09	2.32E-05	3.66E-09	1.27E-09
3835	473863.09, 3852877.25	2.38E-05	3.74E-09	1.30E-09	2.91E-05	4.58E-09	1.60E-09	2.55E-05	4.02E-09	1.40E-09
3836	474363.09, 3852877.25	2.59E-05	4.09E-09	1.42E-09	3.18E-05	5.00E-09	1.74E-09	2.78E-05	4.39E-09	1.53E-09
3837	474863.09, 3852877.25	2.54E-05	4.00E-09	1.39E-09	3.11E-05	4.90E-09	1.71E-09	2.73E-05	4.30E-09	1.50E-09
3838	475363.09, 3852877.25	2.78E-05	4.38E-09	1.53E-09	3.41E-05	5.37E-09	1.87E-09	2.99E-05	4.71E-09	1.64E-09
3839	475863.09, 3852877.25	2.90E-05	4.57E-09	1.59E-09	3.55E-05	5.60E-09	1.95E-09	3.12E-05	4.91E-09	1.71E-09
3840	476363.09, 3852877.25	2.83E-05	4.46E-09	1.55E-09	3.47E-05	5.46E-09	1.90E-09	3.04E-05	4.79E-09	1.67E-09

3841	476863.09, 3852877.25	2.59E-05	4.08E-09	1.42E-09	3.17E-05	5.00E-09	1.74E-09	2.78E-05	4.38E-09	1.53E-09
3842	477363.09, 3852877.25	2.42E-05	3.81E-09	1.33E-09	2.96E-05	4.67E-09	1.63E-09	2.60E-05	4.09E-09	1.43E-09
3843	477863.09, 3852877.25	2.21E-05	3.49E-09	1.22E-09	2.71E-05	4.27E-09	1.49E-09	2.38E-05	3.74E-09	1.30E-09
3844	478363.09, 3852877.25	1.73E-05	2.72E-09	9.49E-10	2.12E-05	3.34E-09	1.16E-09	1.86E-05	2.93E-09	1.02E-09
3845	478863.09, 3852877.25	2.12E-05	3.34E-09	1.16E-09	2.60E-05	4.09E-09	1.43E-09	2.28E-05	3.59E-09	1.25E-09
3846	479363.09, 3852877.25	3.06E-05	4.82E-09	1.68E-09	3.75E-05	5.90E-09	2.06E-09	3.29E-05	5.18E-09	1.80E-09
3847	479863.09, 3852877.25	5.37E-05	8.46E-09	2.95E-09	6.58E-05	1.04E-08	3.61E-09	5.77E-05	9.09E-09	3.17E-09
3848	480363.09, 3852877.25	7.14E-05	1.12E-08	3.92E-09	8.74E-05	1.38E-08	4.80E-09	7.67E-05	1.21E-08	4.21E-09
3849	480863.09, 3852877.25	7.96E-05	1.25E-08	4.37E-09	9.75E-05	1.54E-08	5.35E-09	8.55E-05	1.35E-08	4.69E-09
3850	481363.09, 3852877.25	8.43E-05	1.33E-08	4.63E-09	1.03E-04	1.63E-08	5.67E-09	9.06E-05	1.43E-08	4.97E-09
3851	481863.09, 3852877.25	9.67E-05	1.52E-08	5.31E-09	1.19E-04	1.87E-08	6.50E-09	1.04E-04	1.64E-08	5.71E-09
3852	482363.09, 3852877.25	1.14E-04	1.80E-08	6.27E-09	1.40E-04	2.20E-08	7.68E-09	1.23E-04	1.93E-08	6.74E-09
3853	482863.09, 3852877.25	1.23E-04	1.93E-08	6.73E-09	1.50E-04	2.36E-08	8.24E-09	1.32E-04	2.08E-08	7.23E-09
3854	483363.09, 3852877.25	1.05E-04	1.66E-08	5.77E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.78E-08	6.20E-09
3855	483863.09, 3852877.25	7.69E-05	1.21E-08	4.22E-09	9.42E-05	1.48E-08	5.17E-09	8.26E-05	1.30E-08	4.53E-09
3856	484363.09, 3852877.25	8.65E-05	1.36E-08	4.75E-09	1.06E-04	1.67E-08	5.82E-09	9.31E-05	1.47E-08	5.11E-09
3857	484863.09, 3852877.25	8.91E-05	1.40E-08	4.89E-09	1.09E-04	1.72E-08	5.99E-09	9.58E-05	1.51E-08	5.26E-09
3858	485363.09, 3852877.25	6.44E-05	1.02E-08	3.54E-09	7.90E-05	1.24E-08	4.33E-09	6.93E-05	1.09E-08	3.81E-09
3859	485863.09, 3852877.25	5.76E-05	9.08E-09	3.16E-09	7.06E-05	1.11E-08	3.88E-09	6.20E-05	9.76E-09	3.40E-09
3860	486363.09, 3852877.25	5.04E-05	7.94E-09	2.77E-09	6.18E-05	9.73E-09	3.39E-09	5.42E-05	8.54E-09	2.97E-09
3861	486863.09, 3852877.25	4.94E-05	7.78E-09	2.71E-09	6.05E-05	9.53E-09	3.32E-09	5.31E-05	8.37E-09	2.91E-09
3862	487363.09, 3852877.25	4.73E-05	7.45E-09	2.60E-09	5.79E-05	9.13E-09	3.18E-09	5.08E-05	8.00E-09	2.79E-09
3863	487863.09, 3852877.25	4.70E-05	7.41E-09	2.58E-09	5.76E-05	9.08E-09	3.16E-09	5.05E-05	7.96E-09	2.77E-09
3864	488363.09, 3852877.25	3.71E-05	5.84E-09	2.03E-09	4.54E-05	7.16E-09	2.49E-09	3.98E-05	6.27E-09	2.18E-09
3865	488863.09, 3852877.25	4.23E-05	6.67E-09	2.32E-09	5.19E-05	8.17E-09	2.85E-09	4.54E-05	7.16E-09	2.49E-09
3866	489363.09, 3852877.25	4.52E-05	7.12E-09	2.48E-09	5.54E-05	8.72E-09	3.04E-09	4.85E-05	7.64E-09	2.66E-09
3867	489863.09, 3852877.25	4.75E-05	7.48E-09	2.61E-09	5.82E-05	9.16E-09	3.19E-09	5.09E-05	8.03E-09	2.80E-09
3868	490363.09, 3852877.25	6.14E-05	9.67E-09	3.37E-09	7.52E-05	1.18E-08	4.13E-09	6.59E-05	1.04E-08	3.61E-09
3869	490863.09, 3852877.25	6.80E-05	1.07E-08	3.73E-09	8.34E-05	1.31E-08	4.58E-09	7.30E-05	1.15E-08	4.01E-09
3870	491363.09, 3852877.25	7.35E-05	1.16E-08	4.03E-09	9.00E-05	1.42E-08	4.94E-09	7.89E-05	1.24E-08	4.33E-09
3871	491863.09, 3852877.25	7.52E-05	1.18E-08	4.13E-09	9.21E-05	1.45E-08	5.05E-09	8.07E-05	1.27E-08	4.43E-09
3872	492363.09, 3852877.25	7.75E-05	1.22E-08	4.26E-09	9.50E-05	1.50E-08	5.21E-09	8.33E-05	1.31E-08	4.57E-09
3873	492863.09, 3852877.25	8.32E-05	1.31E-08	4.57E-09	1.02E-04	1.61E-08	5.59E-09	8.93E-05	1.41E-08	4.90E-09
3874	493363.09, 3852877.25	8.63E-05	1.36E-08	4.74E-09	1.06E-04	1.67E-08	5.80E-09	9.27E-05	1.46E-08	5.09E-09
3875	493863.09, 3852877.25	8.46E-05	1.33E-08	4.64E-09	1.04E-04	1.63E-08	5.69E-09	9.09E-05	1.43E-08	4.99E-09
3876	494363.09, 3852877.25	8.34E-05	1.31E-08	4.58E-09	1.02E-04	1.61E-08	5.61E-09	8.96E-05	1.41E-08	4.92E-09
3877	494863.09, 3852877.25	8.36E-05	1.32E-08	4.59E-09	1.02E-04	1.61E-08	5.62E-09	8.98E-05	1.41E-08	4.93E-09
3878	495363.09, 3852877.25	7.87E-05	1.24E-08	4.32E-09	9.65E-05	1.52E-08	5.29E-09	8.46E-05	1.33E-08	4.64E-09
3879	495863.09, 3852877.25	7.40E-05	1.17E-08	4.06E-09	9.07E-05	1.43E-08	4.98E-09	7.95E-05	1.25E-08	4.36E-09
3880	496363.09, 3852877.25	7.22E-05	1.14E-08	3.96E-09	8.84E-05	1.39E-08	4.85E-09	7.75E-05	1.22E-08	4.25E-09
3881	496863.09, 3852877.25	6.85E-05	1.08E-08	3.76E-09	8.39E-05	1.32E-08	4.61E-09	7.36E-05	1.16E-08	4.04E-09
3882	497363.09, 3852877.25	5.87E-05	9.25E-09	3.22E-09	7.19E-05	1.13E-08	3.95E-09	6.31E-05	9.93E-09	3.46E-09
3883	497863.09, 3852877.25	4.46E-05	7.03E-09	2.45E-09	5.47E-05	8.61E-09	3.00E-09	4.79E-05	7.55E-09	2.63E-09
3884	498363.09, 3852877.25	4.18E-05	6.58E-09	2.29E-09	5.12E-05	8.06E-09	2.81E-09	4.49E-05	7.07E-09	2.46E-09
3885	471363.09, 3853377.25	1.56E-05	2.46E-09	8.58E-10	1.92E-05	3.02E-09	1.05E-09	1.68E-05	2.65E-09	9.22E-10
3886	471863.09, 3853377.25	1.70E-05	2.69E-09	9.35E-10	2.09E-05	3.29E-09	1.15E-09	1.83E-05	2.88E-09	1.00E-09
3887	472363.09, 3853377.25	1.85E-05	2.91E-09	1.01E-09	2.26E-05	3.56E-09	1.24E-09	1.98E-05	3.12E-09	1.09E-09
3888	472863.09, 3853377.25	2.00E-05	3.15E-09	1.10E-09	2.45E-05	3.86E-09	1.34E-09	2.15E-05	3.38E-09	1.18E-09
3889	473363.09, 3853377.25	2.13E-05	3.36E-09	1.17E-09	2.61E-05	4.11E-09	1.43E-09	2.29E-05	3.60E-09	1.26E-09
3890	473863.09, 3853377.25	2.29E-05	3.61E-09	1.26E-09	2.80E-05	4.42E-09	1.54E-09	2.46E-05	3.87E-09	1.35E-09
3891	474363.09, 3853377.25	2.45E-05	3.87E-09	1.35E-09	3.01E-05	4.74E-09	1.65E-09	2.64E-05	4.15E-09	1.45E-09
3892	474863.09, 3853377.25	2.50E-05	3.94E-09	1.37E-09	3.06E-05	4.82E-09	1.68E-09	2.68E-05	4.23E-09	1.47E-09
3893	475363.09, 3853377.25	2.59E-05	4.09E-09	1.42E-09	3.18E-05	5.01E-09	1.74E-09	2.79E-05	4.39E-09	1.53E-09
3894	475863.09, 3853377.25	2.67E-05	4.21E-09	1.47E-09	3.28E-05	5.16E-09	1.80E-09	2.87E-05	4.52E-09	1.58E-09
3895	476363.09, 3853377.25	2.55E-05	4.02E-09	1.40E-09	3.13E-05	4.93E-09	1.72E-09	2.74E-05	4.32E-09	1.50E-09
3896	476863.09, 3853377.25	2.20E-05	3.46E-09	1.21E-09	2.69E-05	4.24E-09	1.48E-09	2.36E-05	3.72E-09	1.30E-09
3897	477363.09, 3853377.25	2.15E-05	3.39E-09	1.18E-09	2.64E-05	4.15E-09	1.45E-09	2.31E-05	3.64E-09	1.27E-09
3898	477863.09, 3853377.25	2.20E-05	3.47E-09	1.21E-09	2.70E-05	4.25E-09	1.48E-09	2.36E-05	3.72E-09	1.30E-09
3899	478363.09, 3853377.25	1.87E-05	2.94E-09	1.02E-09	2.29E-05	3.60E-09	1.25E-09	2.00E-05	3.16E-09	1.10E-09
3900	478863.09, 3853377.25	1.45E-05	2.28E-09	7.93E-10	1.77E-05	2.79E-09	9.72E-10	1.55E-05	2.44E-09	8.52E-10
3901	479363.09, 3853377.25	2.60E-05	4.09E-09	1.42E-09	3.18E-05	5.01E-09	1.74E-09	2.79E-05	4.39E-09	1.53E-09
3902	479863.09, 3853377.25	4.28E-05	6.74E-09	2.35E-09	5.24E-05	8.26E-09	2.88E-09	4.59E-05	7.24E-09	2.52E-09

3903	480363.09, 3853377.25	7.03E-05	1.11E-08	3.86E-09	8.61E-05	1.36E-08	4.72E-09	7.55E-05	1.19E-08	4.14E-09
3904	480863.09, 3853377.25	7.65E-05	1.21E-08	4.20E-09	9.38E-05	1.48E-08	5.15E-09	8.22E-05	1.30E-08	4.51E-09
3905	481363.09, 3853377.25	1.08E-04	1.71E-08	5.95E-09	1.33E-04	2.09E-08	7.29E-09	1.17E-04	1.84E-08	6.40E-09
3906	481863.09, 3853377.25	1.29E-04	2.03E-08	7.07E-09	1.58E-04	2.49E-08	8.66E-09	1.38E-04	2.18E-08	7.60E-09
3907	482363.09, 3853377.25	1.65E-04	2.59E-08	9.03E-09	2.02E-04	3.18E-08	1.11E-08	1.77E-04	2.79E-08	9.72E-09
3908	482863.09, 3853377.25	2.02E-04	3.18E-08	1.11E-08	2.47E-04	3.89E-08	1.36E-08	2.17E-04	3.42E-08	1.19E-08
3909	483363.09, 3853377.25	2.12E-04	3.35E-08	1.17E-08	2.60E-04	4.10E-08	1.43E-08	2.28E-04	3.60E-08	1.25E-08
3910	483863.09, 3853377.25	1.93E-04	3.04E-08	1.06E-08	2.36E-04	3.72E-08	1.30E-08	2.07E-04	3.27E-08	1.14E-08
3911	484363.09, 3853377.25	1.81E-04	2.86E-08	9.96E-09	2.22E-04	3.50E-08	1.22E-08	1.95E-04	3.08E-08	1.07E-08
3912	484863.09, 3853377.25	1.38E-04	2.18E-08	7.60E-09	1.70E-04	2.67E-08	9.31E-09	1.49E-04	2.35E-08	8.18E-09
3913	485363.09, 3853377.25	8.62E-05	1.36E-08	4.73E-09	1.06E-04	1.66E-08	5.80E-09	9.28E-05	1.46E-08	5.09E-09
3914	485863.09, 3853377.25	6.34E-05	9.99E-09	3.48E-09	7.77E-05	1.22E-08	4.27E-09	6.82E-05	1.07E-08	3.74E-09
3915	486363.09, 3853377.25	6.81E-05	1.07E-08	3.74E-09	8.34E-05	1.31E-08	4.58E-09	7.32E-05	1.15E-08	4.02E-09
3916	486863.09, 3853377.25	7.27E-05	1.14E-08	3.99E-09	8.90E-05	1.40E-08	4.89E-09	7.80E-05	1.23E-08	4.28E-09
3917	487363.09, 3853377.25	8.18E-05	1.29E-08	4.49E-09	1.00E-04	1.58E-08	5.50E-09	8.78E-05	1.38E-08	4.82E-09
3918	487863.09, 3853377.25	8.85E-05	1.39E-08	4.86E-09	1.08E-04	1.71E-08	5.95E-09	9.50E-05	1.50E-08	5.21E-09
3919	488363.09, 3853377.25	9.67E-05	1.52E-08	5.31E-09	1.19E-04	1.87E-08	6.51E-09	1.04E-04	1.63E-08	5.70E-09
3920	488863.09, 3853377.25	9.90E-05	1.56E-08	5.43E-09	1.21E-04	1.91E-08	6.66E-09	1.06E-04	1.67E-08	5.83E-09
3921	489363.09, 3853377.25	1.00E-04	1.58E-08	5.49E-09	1.23E-04	1.93E-08	6.73E-09	1.07E-04	1.69E-08	5.90E-09
3922	489863.09, 3853377.25	9.77E-05	1.54E-08	5.36E-09	1.20E-04	1.89E-08	6.57E-09	1.05E-04	1.65E-08	5.76E-09
3923	490363.09, 3853377.25	1.04E-04	1.64E-08	5.72E-09	1.28E-04	2.01E-08	7.00E-09	1.12E-04	1.76E-08	6.14E-09
3924	490863.09, 3853377.25	1.08E-04	1.70E-08	5.91E-09	1.32E-04	2.08E-08	7.24E-09	1.16E-04	1.82E-08	6.35E-09
3925	491363.09, 3853377.25	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
3926	491863.09, 3853377.25	1.12E-04	1.76E-08	6.14E-09	1.37E-04	2.16E-08	7.52E-09	1.20E-04	1.89E-08	6.60E-09
3927	492363.09, 3853377.25	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.81E-09	1.25E-04	1.96E-08	6.84E-09
3928	492863.09, 3853377.25	1.19E-04	1.88E-08	6.55E-09	1.46E-04	2.30E-08	8.03E-09	1.28E-04	2.02E-08	7.04E-09
3929	493363.09, 3853377.25	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.27E-08	7.92E-09	1.27E-04	1.99E-08	6.94E-09
3930	493863.09, 3853377.25	1.15E-04	1.81E-08	6.31E-09	1.41E-04	2.22E-08	7.73E-09	1.24E-04	1.95E-08	6.78E-09
3931	494363.09, 3853377.25	1.09E-04	1.72E-08	5.98E-09	1.33E-04	2.10E-08	7.32E-09	1.17E-04	1.84E-08	6.42E-09
3932	494863.09, 3853377.25	1.02E-04	1.60E-08	5.58E-09	1.24E-04	1.96E-08	6.83E-09	1.09E-04	1.72E-08	5.99E-09
3933	495363.09, 3853377.25	9.73E-05	1.53E-08	5.34E-09	1.19E-04	1.88E-08	6.54E-09	1.05E-04	1.65E-08	5.74E-09
3934	495863.09, 3853377.25	9.14E-05	1.44E-08	5.01E-09	1.12E-04	1.76E-08	6.14E-09	9.81E-05	1.55E-08	5.39E-09
3935	496363.09, 3853377.25	8.36E-05	1.32E-08	4.59E-09	1.02E-04	1.61E-08	5.62E-09	8.98E-05	1.41E-08	4.93E-09
3936	496863.09, 3853377.25	7.31E-05	1.15E-08	4.01E-09	8.95E-05	1.41E-08	4.91E-09	7.85E-05	1.24E-08	4.31E-09
3937	497363.09, 3853377.25	6.07E-05	9.57E-09	3.33E-09	7.44E-05	1.17E-08	4.08E-09	6.52E-05	1.03E-08	3.58E-09
3938	497863.09, 3853377.25	4.11E-05	6.48E-09	2.26E-09	5.03E-05	7.93E-09	2.76E-09	4.41E-05	6.95E-09	2.42E-09
3939	498363.09, 3853377.25	3.26E-05	5.13E-09	1.79E-09	3.99E-05	6.28E-09	2.19E-09	3.50E-05	5.51E-09	1.92E-09
3940	471363.09, 3853877.25	1.58E-05	2.49E-09	8.69E-10	1.94E-05	3.05E-09	1.06E-09	1.70E-05	2.68E-09	9.33E-10
3941	471863.09, 3853877.25	1.74E-05	2.75E-09	9.57E-10	2.14E-05	3.37E-09	1.17E-09	1.87E-05	2.95E-09	1.03E-09
3942	472363.09, 3853877.25	1.85E-05	2.92E-09	1.02E-09	2.27E-05	3.58E-09	1.25E-09	1.99E-05	3.14E-09	1.09E-09
3943	472863.09, 3853877.25	2.00E-05	3.15E-09	1.10E-09	2.45E-05	3.86E-09	1.35E-09	2.15E-05	3.39E-09	1.18E-09
3944	473363.09, 3853877.25	2.11E-05	3.33E-09	1.16E-09	2.59E-05	4.07E-09	1.42E-09	2.27E-05	3.57E-09	1.24E-09
3945	473863.09, 3853877.25	2.23E-05	3.52E-09	1.23E-09	2.74E-05	4.31E-09	1.50E-09	2.40E-05	3.78E-09	1.32E-09
3946	474363.09, 3853877.25	2.40E-05	3.78E-09	1.32E-09	2.94E-05	4.63E-09	1.61E-09	2.58E-05	4.06E-09	1.41E-09
3947	474863.09, 3853877.25	2.55E-05	4.02E-09	1.40E-09	3.12E-05	4.92E-09	1.71E-09	2.74E-05	4.31E-09	1.50E-09
3948	475363.09, 3853877.25	2.54E-05	4.00E-09	1.39E-09	3.11E-05	4.90E-09	1.71E-09	2.73E-05	4.29E-09	1.50E-09
3949	475863.09, 3853877.25	2.24E-05	3.53E-09	1.23E-09	2.75E-05	4.33E-09	1.51E-09	2.41E-05	3.80E-09	1.32E-09
3950	476363.09, 3853877.25	1.91E-05	3.00E-09	1.05E-09	2.34E-05	3.68E-09	1.28E-09	2.05E-05	3.22E-09	1.12E-09
3951	476863.09, 3853877.25	1.50E-05	2.37E-09	8.25E-10	1.84E-05	2.90E-09	1.01E-09	1.61E-05	2.54E-09	8.86E-10
3952	477363.09, 3853877.25	1.67E-05	2.63E-09	9.17E-10	2.05E-05	3.22E-09	1.12E-09	1.79E-05	2.83E-09	9.85E-10
3953	477863.09, 3853877.25	1.97E-05	3.10E-09	1.08E-09	2.41E-05	3.79E-09	1.32E-09	2.11E-05	3.33E-09	1.16E-09
3954	478363.09, 3853877.25	2.11E-05	3.32E-09	1.16E-09	2.58E-05	4.07E-09	1.42E-09	2.27E-05	3.57E-09	1.24E-09
3955	478863.09, 3853877.25	1.49E-05	2.34E-09	8.16E-10	1.82E-05	2.87E-09	9.99E-10	1.60E-05	2.51E-09	8.76E-10
3956	479363.09, 3853877.25	2.09E-05	3.30E-09	1.15E-09	2.56E-05	4.04E-09	1.41E-09	2.25E-05	3.54E-09	1.23E-09
3957	479863.09, 3853877.25	4.23E-05	6.66E-09	2.32E-09	5.18E-05	8.16E-09	2.84E-09	4.54E-05	7.16E-09	2.49E-09
3958	480363.09, 3853877.25	6.46E-05	1.02E-08	3.54E-09	7.91E-05	1.25E-08	4.34E-09	6.93E-05	1.09E-08	3.80E-09
3959	480863.09, 3853877.25	1.01E-04	1.58E-08	5.52E-09	1.23E-04	1.94E-08	6.76E-09	1.08E-04	1.70E-08	5.93E-09
3960	481363.09, 3853877.25	1.32E-04	2.07E-08	7.22E-09	1.61E-04	2.54E-08	8.85E-09	1.41E-04	2.23E-08	7.76E-09
3961	481863.09, 3853877.25	1.67E-04	2.63E-08	9.15E-09	2.04E-04	3.22E-08	1.12E-08	1.79E-04	2.82E-08	9.84E-09
3962	482363.09, 3853877.25	2.53E-04	3.99E-08	1.39E-08	3.10E-04	4.89E-08	1.70E-08	2.73E-04	4.29E-08	1.50E-08
3963	482863.09, 3853877.25	1.22E-03	1.92E-07	6.68E-08	1.49E-03	2.35E-07	8.19E-08	1.31E-03	2.07E-07	7.21E-08
3964	483363.09, 3853877.25	7.27E-04	1.15E-07	3.99E-08	8.91E-04	1.40E-07	4.89E-08	7.84E-04	1.23E-07	4.30E-08

3965	483863.09, 3853877.25	4.78E-04	7.54E-08	2.63E-08	5.86E-04	9.23E-08	3.22E-08	5.15E-04	8.12E-08	2.83E-08
3966	484363.09, 3853877.25	3.23E-04	5.09E-08	1.77E-08	3.96E-04	6.23E-08	2.17E-08	3.48E-04	5.48E-08	1.91E-08
3967	484863.09, 3853877.25	2.04E-04	3.22E-08	1.12E-08	2.50E-04	3.94E-08	1.37E-08	2.20E-04	3.46E-08	1.21E-08
3968	485363.09, 3853877.25	1.23E-04	1.93E-08	6.74E-09	1.50E-04	2.37E-08	8.26E-09	1.32E-04	2.08E-08	7.25E-09
3969	485863.09, 3853877.25	1.42E-04	2.23E-08	7.78E-09	1.74E-04	2.74E-08	9.53E-09	1.52E-04	2.40E-08	8.36E-09
3970	486363.09, 3853877.25	1.45E-04	2.29E-08	7.97E-09	1.78E-04	2.80E-08	9.76E-09	1.56E-04	2.45E-08	8.55E-09
3971	486863.09, 3853877.25	1.43E-04	2.25E-08	7.84E-09	1.75E-04	2.76E-08	9.61E-09	1.53E-04	2.41E-08	8.41E-09
3972	487363.09, 3853877.25	1.54E-04	2.42E-08	8.44E-09	1.88E-04	2.97E-08	1.03E-08	1.65E-04	2.60E-08	9.05E-09
3973	487863.09, 3853877.25	1.75E-04	2.76E-08	9.63E-09	2.15E-04	3.39E-08	1.18E-08	1.88E-04	2.96E-08	1.03E-08
3974	488363.09, 3853877.25	1.81E-04	2.86E-08	9.96E-09	2.22E-04	3.50E-08	1.22E-08	1.95E-04	3.06E-08	1.07E-08
3975	488863.09, 3853877.25	1.91E-04	3.01E-08	1.05E-08	2.34E-04	3.68E-08	1.28E-08	2.05E-04	3.23E-08	1.12E-08
3976	489363.09, 3853877.25	1.77E-04	2.79E-08	9.73E-09	2.17E-04	3.42E-08	1.19E-08	1.90E-04	3.00E-08	1.04E-08
3977	489863.09, 3853877.25	1.77E-04	2.79E-08	9.72E-09	2.17E-04	3.42E-08	1.19E-08	1.90E-04	3.00E-08	1.04E-08
3978	490363.09, 3853877.25	1.71E-04	2.69E-08	9.37E-09	2.09E-04	3.29E-08	1.15E-08	1.83E-04	2.89E-08	1.01E-08
3979	490863.09, 3853877.25	1.68E-04	2.65E-08	9.22E-09	2.06E-04	3.24E-08	1.13E-08	1.80E-04	2.84E-08	9.90E-09
3980	491363.09, 3853877.25	1.66E-04	2.61E-08	9.10E-09	2.03E-04	3.20E-08	1.11E-08	1.78E-04	2.81E-08	9.77E-09
3981	491863.09, 3853877.25	1.63E-04	2.57E-08	8.95E-09	2.00E-04	3.15E-08	1.10E-08	1.75E-04	2.76E-08	9.61E-09
3982	492363.09, 3853877.25	1.65E-04	2.60E-08	9.05E-09	2.02E-04	3.18E-08	1.11E-08	1.77E-04	2.79E-08	9.72E-09
3983	492863.09, 3853877.25	1.63E-04	2.56E-08	8.92E-09	1.99E-04	3.14E-08	1.09E-08	1.75E-04	2.75E-08	9.58E-09
3984	493363.09, 3853877.25	1.55E-04	2.45E-08	8.53E-09	1.90E-04	3.00E-08	1.04E-08	1.67E-04	2.63E-08	9.16E-09
3985	493863.09, 3853877.25	1.46E-04	2.31E-08	8.04E-09	1.79E-04	2.83E-08	9.85E-09	1.57E-04	2.48E-08	8.63E-09
3986	494363.09, 3853877.25	1.39E-04	2.19E-08	7.64E-09	1.70E-04	2.68E-08	9.35E-09	1.49E-04	2.35E-08	8.20E-09
3987	494863.09, 3853877.25	1.29E-04	2.04E-08	7.10E-09	1.58E-04	2.49E-08	8.69E-09	1.39E-04	2.19E-08	7.62E-09
3988	495363.09, 3853877.25	1.12E-04	1.76E-08	6.12E-09	1.37E-04	2.15E-08	7.50E-09	1.20E-04	1.89E-08	6.58E-09
3989	495863.09, 3853877.25	9.77E-05	1.54E-08	5.36E-09	1.20E-04	1.89E-08	6.57E-09	1.05E-04	1.65E-08	5.76E-09
3990	496363.09, 3853877.25	8.87E-05	1.40E-08	4.87E-09	1.09E-04	1.71E-08	5.96E-09	9.52E-05	1.50E-08	5.23E-09
3991	496863.09, 3853877.25	7.45E-05	1.17E-08	4.09E-09	9.12E-05	1.44E-08	5.01E-09	8.00E-05	1.26E-08	4.39E-09
3992	497363.09, 3853877.25	6.34E-05	9.98E-09	3.48E-09	7.76E-05	1.22E-08	4.26E-09	6.81E-05	1.07E-08	3.73E-09
3993	497863.09, 3853877.25	4.99E-05	7.85E-09	2.74E-09	6.11E-05	9.62E-09	3.35E-09	5.35E-05	8.44E-09	2.94E-09
3994	498363.09, 3853877.25	4.23E-05	6.67E-09	2.32E-09	5.19E-05	8.17E-09	2.85E-09	4.55E-05	7.16E-09	2.50E-09
3995	471363.09, 3854377.25	1.63E-05	2.56E-09	8.92E-10	1.99E-05	3.14E-09	1.09E-09	1.74E-05	2.75E-09	9.58E-10
3996	471863.09, 3854377.25	1.78E-05	2.81E-09	9.78E-10	2.18E-05	3.44E-09	1.20E-09	1.91E-05	3.01E-09	1.05E-09
3997	472363.09, 3854377.25	1.91E-05	3.00E-09	1.05E-09	2.34E-05	3.68E-09	1.28E-09	2.05E-05	3.23E-09	1.12E-09
3998	472863.09, 3854377.25	2.01E-05	3.17E-09	1.11E-09	2.47E-05	3.89E-09	1.35E-09	2.16E-05	3.41E-09	1.19E-09
3999	473363.09, 3854377.25	2.16E-05	3.40E-09	1.19E-09	2.65E-05	4.17E-09	1.45E-09	2.32E-05	3.65E-09	1.27E-09
4000	473863.09, 3854377.25	2.34E-05	3.69E-09	1.28E-09	2.87E-05	4.51E-09	1.57E-09	2.51E-05	3.96E-09	1.38E-09
4001	474363.09, 3854377.25	2.52E-05	3.97E-09	1.38E-09	3.09E-05	4.87E-09	1.70E-09	2.71E-05	4.27E-09	1.49E-09
4002	474863.09, 3854377.25	2.51E-05	3.95E-09	1.38E-09	3.07E-05	4.84E-09	1.69E-09	2.69E-05	4.24E-09	1.48E-09
4003	475363.09, 3854377.25	2.25E-05	3.55E-09	1.24E-09	2.76E-05	4.35E-09	1.52E-09	2.42E-05	3.81E-09	1.33E-09
4004	475863.09, 3854377.25	1.58E-05	2.48E-09	8.66E-10	1.93E-05	3.04E-09	1.06E-09	1.69E-05	2.67E-09	9.30E-10
4005	476363.09, 3854377.25	1.42E-05	2.24E-09	7.80E-10	1.74E-05	2.74E-09	9.56E-10	1.53E-05	2.41E-09	8.38E-10
4006	476863.09, 3854377.25	1.38E-05	2.18E-09	7.58E-10	1.69E-05	2.67E-09	9.29E-10	1.48E-05	2.34E-09	8.14E-10
4007	477363.09, 3854377.25	1.38E-05	2.18E-09	7.60E-10	1.70E-05	2.67E-09	9.31E-10	1.49E-05	2.34E-09	8.16E-10
4008	477863.09, 3854377.25	1.43E-05	2.26E-09	7.86E-10	1.75E-05	2.76E-09	9.63E-10	1.54E-05	2.42E-09	8.44E-10
4009	478363.09, 3854377.25	1.72E-05	2.70E-09	9.41E-10	2.10E-05	3.31E-09	1.15E-09	1.84E-05	2.90E-09	1.01E-09
4010	478863.09, 3854377.25	1.91E-05	3.01E-09	1.05E-09	2.34E-05	3.68E-09	1.28E-09	2.05E-05	3.23E-09	1.12E-09
4011	479363.09, 3854377.25	3.10E-05	4.89E-09	1.70E-09	3.80E-05	5.99E-09	2.09E-09	3.33E-05	5.25E-09	1.83E-09
4012	479863.09, 3854377.25	4.24E-05	6.67E-09	2.32E-09	5.19E-05	8.17E-09	2.85E-09	4.55E-05	7.17E-09	2.50E-09
4013	480363.09, 3854377.25	6.31E-05	9.95E-09	3.47E-09	7.74E-05	1.22E-08	4.25E-09	6.78E-05	1.07E-08	3.72E-09
4014	480863.09, 3854377.25	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.79E-09	1.08E-04	1.71E-08	5.95E-09
4015	481363.09, 3854377.25	1.46E-04	2.30E-08	8.00E-09	1.79E-04	2.81E-08	9.81E-09	1.57E-04	2.47E-08	8.59E-09
4016	481863.09, 3854377.25	1.95E-04	3.07E-08	1.07E-08	2.39E-04	3.76E-08	1.31E-08	2.10E-04	3.30E-08	1.15E-08
4017	482363.09, 3854377.25	2.76E-04	4.34E-08	1.51E-08	3.38E-04	5.32E-08	1.85E-08	2.96E-04	4.67E-08	1.63E-08
4018	482863.09, 3854377.25	5.76E-04	9.08E-08	3.16E-08	7.06E-04	1.11E-07	3.88E-08	6.21E-04	9.78E-08	3.41E-08
4019	483363.09, 3854377.25	1.67E-03	2.63E-07	9.17E-08	2.05E-03	3.23E-07	1.12E-07	1.80E-03	2.84E-07	9.89E-08
4020	483863.09, 3854377.25	8.48E-04	1.34E-07	4.66E-08	1.04E-03	1.64E-07	5.71E-08	9.13E-04	1.44E-07	5.01E-08
4021	484363.09, 3854377.25	5.06E-04	7.97E-08	2.78E-08	6.20E-04	9.76E-08	3.40E-08	5.44E-04	8.58E-08	2.99E-08
4022	484863.09, 3854377.25	3.18E-04	5.01E-08	1.75E-08	3.90E-04	6.14E-08	2.14E-08	3.42E-04	5.39E-08	1.88E-08
4023	485363.09, 3854377.25	4.21E-04	6.63E-08	2.31E-08	5.16E-04	8.12E-08	2.83E-08	4.51E-04	7.11E-08	2.48E-08
4024	485863.09, 3854377.25	3.37E-04	5.31E-08	1.85E-08	4.13E-04	6.50E-08	2.26E-08	3.61E-04	5.68E-08	1.98E-08
4025	486363.09, 3854377.25	3.53E-04	5.56E-08	1.94E-08	4.32E-04	6.81E-08	2.37E-08	3.78E-04	5.95E-08	2.07E-08
4026	486863.09, 3854377.25	3.17E-04	5.00E-08	1.74E-08	3.89E-04	6.13E-08	2.13E-08	3.40E-04	5.36E-08	1.87E-08

4027	487363.09, 3854377.25	3.17E-04	5.00E-08	1.74E-08	3.89E-04	6.12E-08	2.13E-08	3.40E-04	5.36E-08	1.87E-08
4028	487863.09, 3854377.25	3.26E-04	5.14E-08	1.79E-08	4.00E-04	6.30E-08	2.19E-08	3.50E-04	5.51E-08	1.92E-08
4029	488363.09, 3854377.25	3.20E-04	5.04E-08	1.76E-08	3.92E-04	6.17E-08	2.15E-08	3.43E-04	5.41E-08	1.88E-08
4030	488863.09, 3854377.25	3.10E-04	4.88E-08	1.70E-08	3.79E-04	5.98E-08	2.08E-08	3.32E-04	5.24E-08	1.82E-08
4031	489363.09, 3854377.25	2.96E-04	4.66E-08	1.62E-08	3.62E-04	5.70E-08	1.99E-08	3.17E-04	5.00E-08	1.74E-08
4032	489863.09, 3854377.25	2.79E-04	4.39E-08	1.53E-08	3.42E-04	5.38E-08	1.88E-08	3.00E-04	4.72E-08	1.64E-08
4033	490363.09, 3854377.25	2.61E-04	4.11E-08	1.43E-08	3.19E-04	5.03E-08	1.75E-08	2.80E-04	4.41E-08	1.54E-08
4034	490863.09, 3854377.25	2.13E-04	3.36E-08	1.17E-08	2.61E-04	4.12E-08	1.43E-08	2.29E-04	3.61E-08	1.26E-08
4035	491363.09, 3854377.25	2.24E-04	3.52E-08	1.23E-08	2.74E-04	4.32E-08	1.50E-08	2.40E-04	3.79E-08	1.32E-08
4036	491863.09, 3854377.25	2.27E-04	3.57E-08	1.24E-08	2.78E-04	4.37E-08	1.52E-08	2.43E-04	3.83E-08	1.34E-08
4037	492363.09, 3854377.25	2.20E-04	3.47E-08	1.21E-08	2.70E-04	4.25E-08	1.48E-08	2.37E-04	3.73E-08	1.30E-08
4038	492863.09, 3854377.25	2.09E-04	3.29E-08	1.14E-08	2.55E-04	4.02E-08	1.40E-08	2.24E-04	3.53E-08	1.23E-08
4039	493363.09, 3854377.25	1.94E-04	3.06E-08	1.07E-08	2.38E-04	3.75E-08	1.31E-08	2.09E-04	3.29E-08	1.15E-08
4040	493863.09, 3854377.25	1.80E-04	2.84E-08	9.88E-09	2.21E-04	3.48E-08	1.21E-08	1.93E-04	3.05E-08	1.06E-08
4041	494363.09, 3854377.25	1.67E-04	2.63E-08	9.17E-09	2.05E-04	3.23E-08	1.12E-08	1.80E-04	2.83E-08	9.85E-09
4042	494863.09, 3854377.25	1.37E-04	2.16E-08	7.52E-09	1.68E-04	2.64E-08	9.21E-09	1.47E-04	2.32E-08	8.08E-09
4043	495363.09, 3854377.25	1.08E-04	1.70E-08	5.93E-09	1.32E-04	2.08E-08	7.26E-09	1.16E-04	1.83E-08	6.37E-09
4044	495863.09, 3854377.25	8.98E-05	1.41E-08	4.93E-09	1.10E-04	1.73E-08	6.04E-09	9.64E-05	1.52E-08	5.29E-09
4045	496363.09, 3854377.25	8.09E-05	1.27E-08	4.44E-09	9.90E-05	1.56E-08	5.44E-09	8.68E-05	1.37E-08	4.77E-09
4046	496863.09, 3854377.25	7.01E-05	1.10E-08	3.85E-09	8.58E-05	1.35E-08	4.71E-09	7.53E-05	1.19E-08	4.13E-09
4047	497363.09, 3854377.25	5.51E-05	8.69E-09	3.03E-09	6.75E-05	1.06E-08	3.71E-09	5.92E-05	9.33E-09	3.25E-09
4048	497863.09, 3854377.25	5.60E-05	8.82E-09	3.07E-09	6.86E-05	1.08E-08	3.76E-09	6.01E-05	9.47E-09	3.30E-09
4049	498363.09, 3854377.25	4.81E-05	7.57E-09	2.64E-09	5.89E-05	9.27E-09	3.23E-09	5.16E-05	8.13E-09	2.83E-09
4050	471363.09, 3854877.25	1.66E-05	2.62E-09	9.12E-10	2.04E-05	3.21E-09	1.12E-09	1.78E-05	2.81E-09	9.79E-10
4051	471863.09, 3854877.25	1.79E-05	2.82E-09	9.83E-10	2.19E-05	3.45E-09	1.20E-09	1.92E-05	3.03E-09	1.06E-09
4052	472363.09, 3854877.25	1.91E-05	3.01E-09	1.05E-09	2.34E-05	3.69E-09	1.28E-09	2.05E-05	3.23E-09	1.13E-09
4053	472863.09, 3854877.25	1.98E-05	3.13E-09	1.09E-09	2.43E-05	3.83E-09	1.33E-09	2.13E-05	3.36E-09	1.17E-09
4054	473363.09, 3854877.25	2.17E-05	3.42E-09	1.19E-09	2.66E-05	4.19E-09	1.46E-09	2.33E-05	3.67E-09	1.28E-09
4055	473863.09, 3854877.25	2.36E-05	3.71E-09	1.29E-09	2.89E-05	4.55E-09	1.58E-09	2.53E-05	3.99E-09	1.39E-09
4056	474363.09, 3854877.25	2.60E-05	4.09E-09	1.42E-09	3.18E-05	5.01E-09	1.75E-09	2.79E-05	4.39E-09	1.53E-09
4057	474863.09, 3854877.25	2.32E-05	3.66E-09	1.28E-09	2.85E-05	4.48E-09	1.56E-09	2.49E-05	3.93E-09	1.37E-09
4058	475363.09, 3854877.25	1.87E-05	2.95E-09	1.03E-09	2.30E-05	3.62E-09	1.26E-09	2.01E-05	3.17E-09	1.10E-09
4059	475863.09, 3854877.25	1.41E-05	2.22E-09	7.74E-10	1.73E-05	2.72E-09	9.48E-10	1.51E-05	2.39E-09	8.31E-10
4060	476363.09, 3854877.25	9.02E-06	1.42E-09	4.95E-10	1.11E-05	1.74E-09	6.06E-10	9.69E-06	1.53E-09	5.32E-10
4061	476863.09, 3854877.25	9.02E-06	1.42E-09	4.95E-10	1.10E-05	1.74E-09	6.06E-10	9.69E-06	1.53E-09	5.32E-10
4062	477363.09, 3854877.25	1.11E-05	1.76E-09	6.12E-10	1.37E-05	2.15E-09	7.50E-10	1.20E-05	1.89E-09	6.57E-10
4063	477863.09, 3854877.25	1.33E-05	2.10E-09	7.31E-10	1.63E-05	2.57E-09	8.95E-10	1.43E-05	2.25E-09	7.85E-10
4064	478363.09, 3854877.25	1.85E-05	2.91E-09	1.02E-09	2.27E-05	3.57E-09	1.24E-09	1.99E-05	3.13E-09	1.09E-09
4065	478863.09, 3854877.25	2.76E-05	4.34E-09	1.51E-09	3.38E-05	5.32E-09	1.85E-09	2.96E-05	4.66E-09	1.62E-09
4066	479363.09, 3854877.25	4.16E-05	6.55E-09	2.28E-09	5.09E-05	8.02E-09	2.79E-09	4.46E-05	7.03E-09	2.45E-09
4067	479863.09, 3854877.25	6.10E-05	9.61E-09	3.35E-09	7.47E-05	1.18E-08	4.10E-09	6.55E-05	1.03E-08	3.59E-09
4068	480363.09, 3854877.25	8.16E-05	1.29E-08	4.48E-09	1.00E-04	1.58E-08	5.49E-09	8.77E-05	1.38E-08	4.81E-09
4069	480863.09, 3854877.25	1.17E-04	1.85E-08	6.44E-09	1.44E-04	2.27E-08	7.89E-09	1.26E-04	1.99E-08	6.92E-09
4070	481363.09, 3854877.25	1.52E-04	2.40E-08	8.37E-09	1.87E-04	2.94E-08	1.03E-08	1.64E-04	2.58E-08	8.99E-09
4071	481863.09, 3854877.25	1.80E-04	2.84E-08	9.89E-09	2.21E-04	3.48E-08	1.21E-08	1.93E-04	3.05E-08	1.06E-08
4072	482363.09, 3854877.25	2.64E-04	4.16E-08	1.45E-08	3.24E-04	5.10E-08	1.78E-08	2.84E-04	4.47E-08	1.56E-08
4073	482863.09, 3854877.25	3.96E-04	6.24E-08	2.17E-08	4.85E-04	7.65E-08	2.66E-08	4.25E-04	6.70E-08	2.33E-08
4074	483363.09, 3854877.25	6.76E-04	1.07E-07	3.71E-08	8.29E-04	1.31E-07	4.55E-08	7.26E-04	1.14E-07	3.98E-08
4075	483863.09, 3854877.25	2.25E-03	3.54E-07	1.23E-07	2.75E-03	4.34E-07	1.51E-07	2.40E-03	3.78E-07	1.32E-07
4076	484363.09, 3854877.25	8.75E-03	1.38E-06	4.80E-07	1.07E-02	1.69E-06	5.88E-07	9.35E-03	1.47E-06	5.13E-07
4077	484863.09, 3854877.25	3.58E-03	5.63E-07	1.96E-07	4.38E-03	6.90E-07	2.40E-07	3.82E-03	6.02E-07	2.10E-07
4078	485363.09, 3854877.25	1.74E-03	2.75E-07	9.57E-08	2.14E-03	3.37E-07	1.17E-07	1.86E-03	2.94E-07	1.02E-07
4079	485863.09, 3854877.25	1.12E-03	1.76E-07	6.12E-08	1.37E-03	2.15E-07	7.50E-08	1.19E-03	1.88E-07	6.55E-08
4080	486363.09, 3854877.25	8.08E-04	1.27E-07	4.44E-08	9.90E-04	1.56E-07	5.44E-08	8.66E-04	1.36E-07	4.75E-08
4081	486863.09, 3854877.25	6.46E-04	1.02E-07	3.55E-08	7.92E-04	1.25E-07	4.34E-08	6.93E-04	1.09E-07	3.80E-08
4082	487363.09, 3854877.25	5.88E-04	9.27E-08	3.23E-08	7.21E-04	1.14E-07	3.96E-08	6.31E-04	9.95E-08	3.47E-08
4083	487863.09, 3854877.25	5.41E-04	8.52E-08	2.97E-08	6.63E-04	1.04E-07	3.64E-08	5.81E-04	9.15E-08	3.19E-08
4084	488363.09, 3854877.25	5.02E-04	7.91E-08	2.76E-08	6.15E-04	9.69E-08	3.38E-08	5.39E-04	8.49E-08	2.96E-08
4085	488863.09, 3854877.25	4.71E-04	7.41E-08	2.58E-08	5.77E-04	9.08E-08	3.16E-08	5.06E-04	7.97E-08	2.78E-08
4086	489363.09, 3854877.25	4.33E-04	6.82E-08	2.37E-08	5.30E-04	8.35E-08	2.91E-08	4.65E-04	7.32E-08	2.55E-08
4087	489863.09, 3854877.25	3.86E-04	6.09E-08	2.12E-08	4.73E-04	7.46E-08	2.60E-08	4.15E-04	6.54E-08	2.28E-08
4088	490363.09, 3854877.25	2.94E-04	4.63E-08	1.61E-08	3.60E-04	5.67E-08	1.98E-08	3.16E-04	4.98E-08	1.73E-08

4089	490863.09, 3854877.25	2.06E-04	3.24E-08	1.13E-08	2.52E-04	3.97E-08	1.38E-08	2.21E-04	3.48E-08	1.21E-08
4090	491363.09, 3854877.25	2.16E-04	3.41E-08	1.19E-08	2.65E-04	4.17E-08	1.45E-08	2.32E-04	3.66E-08	1.28E-08
4091	491863.09, 3854877.25	2.87E-04	4.53E-08	1.58E-08	3.52E-04	5.54E-08	1.93E-08	3.09E-04	4.86E-08	1.69E-08
4092	492363.09, 3854877.25	2.74E-04	4.31E-08	1.50E-08	3.35E-04	5.28E-08	1.84E-08	2.94E-04	4.63E-08	1.61E-08
4093	492863.09, 3854877.25	2.53E-04	3.98E-08	1.39E-08	3.10E-04	4.88E-08	1.70E-08	2.72E-04	4.28E-08	1.49E-08
4094	493363.09, 3854877.25	2.30E-04	3.63E-08	1.26E-08	2.82E-04	4.45E-08	1.55E-08	2.48E-04	3.90E-08	1.36E-08
4095	493863.09, 3854877.25	2.12E-04	3.33E-08	1.16E-08	2.59E-04	4.08E-08	1.42E-08	2.27E-04	3.58E-08	1.25E-08
4096	494363.09, 3854877.25	1.65E-04	2.60E-08	9.07E-09	2.02E-04	3.19E-08	1.11E-08	1.77E-04	2.80E-08	9.74E-09
4097	494863.09, 3854877.25	1.20E-04	1.89E-08	6.59E-09	1.47E-04	2.32E-08	8.07E-09	1.29E-04	2.03E-08	7.07E-09
4098	495363.09, 3854877.25	9.44E-05	1.49E-08	5.18E-09	1.16E-04	1.82E-08	6.35E-09	1.01E-04	1.60E-08	5.57E-09
4099	495863.09, 3854877.25	8.05E-05	1.27E-08	4.42E-09	9.86E-05	1.55E-08	5.41E-09	8.65E-05	1.36E-08	4.75E-09
4100	496363.09, 3854877.25	6.42E-05	1.01E-08	3.53E-09	7.87E-05	1.24E-08	4.32E-09	6.90E-05	1.09E-08	3.79E-09
4101	496863.09, 3854877.25	5.48E-05	8.63E-09	3.01E-09	6.71E-05	1.06E-08	3.68E-09	5.88E-05	9.27E-09	3.23E-09
4102	497363.09, 3854877.25	5.13E-05	8.09E-09	2.82E-09	6.29E-05	9.90E-09	3.45E-09	5.51E-05	8.68E-09	3.03E-09
4103	497863.09, 3854877.25	5.51E-05	8.68E-09	3.03E-09	6.75E-05	1.06E-08	3.71E-09	5.92E-05	9.32E-09	3.25E-09
4104	498363.09, 3854877.25	5.27E-05	8.31E-09	2.89E-09	6.46E-05	1.02E-08	3.55E-09	5.66E-05	8.92E-09	3.11E-09
4105	471363.09, 3855377.25	1.66E-05	2.62E-09	9.12E-10	2.04E-05	3.21E-09	1.12E-09	1.79E-05	2.81E-09	9.80E-10
4106	471863.09, 3855377.25	1.75E-05	2.76E-09	9.60E-10	2.14E-05	3.38E-09	1.18E-09	1.88E-05	2.96E-09	1.03E-09
4107	472363.09, 3855377.25	1.89E-05	2.98E-09	1.04E-09	2.32E-05	3.66E-09	1.27E-09	2.04E-05	3.21E-09	1.12E-09
4108	472863.09, 3855377.25	1.99E-05	3.14E-09	1.09E-09	2.44E-05	3.85E-09	1.34E-09	2.14E-05	3.37E-09	1.17E-09
4109	473363.09, 3855377.25	2.19E-05	3.45E-09	1.20E-09	2.68E-05	4.23E-09	1.47E-09	2.35E-05	3.71E-09	1.29E-09
4110	473863.09, 3855377.25	2.38E-05	3.74E-09	1.30E-09	2.91E-05	4.58E-09	1.60E-09	2.55E-05	4.02E-09	1.40E-09
4111	474363.09, 3855377.25	2.56E-05	4.04E-09	1.41E-09	3.14E-05	4.94E-09	1.72E-09	2.75E-05	4.34E-09	1.51E-09
4112	474863.09, 3855377.25	2.33E-05	3.67E-09	1.28E-09	2.85E-05	4.50E-09	1.57E-09	2.50E-05	3.94E-09	1.37E-09
4113	475363.09, 3855377.25	1.19E-05	1.88E-09	6.54E-10	1.46E-05	2.30E-09	8.01E-10	1.28E-05	2.02E-09	7.02E-10
4114	475863.09, 3855377.25	8.94E-06	1.41E-09	4.91E-10	1.10E-05	1.73E-09	6.01E-10	9.60E-06	1.51E-09	5.27E-10
4115	476363.09, 3855377.25	1.07E-05	1.69E-09	5.88E-10	1.31E-05	2.07E-09	7.21E-10	1.15E-05	1.81E-09	6.32E-10
4116	476863.09, 3855377.25	1.05E-05	1.66E-09	5.79E-10	1.29E-05	2.03E-09	7.09E-10	1.13E-05	1.78E-09	6.21E-10
4117	477363.09, 3855377.25	1.19E-05	1.88E-09	6.54E-10	1.46E-05	2.30E-09	8.01E-10	1.28E-05	2.02E-09	7.02E-10
4118	477863.09, 3855377.25	1.60E-05	2.53E-09	8.80E-10	1.96E-05	3.10E-09	1.08E-09	1.72E-05	2.71E-09	9.45E-10
4119	478363.09, 3855377.25	2.14E-05	3.38E-09	1.18E-09	2.63E-05	4.14E-09	1.44E-09	2.30E-05	3.63E-09	1.26E-09
4120	478863.09, 3855377.25	2.81E-05	4.42E-09	1.54E-09	3.44E-05	5.42E-09	1.89E-09	3.02E-05	4.75E-09	1.66E-09
4121	479363.09, 3855377.25	3.98E-05	6.27E-09	2.19E-09	4.88E-05	7.68E-09	2.68E-09	4.28E-05	6.74E-09	2.35E-09
4122	479863.09, 3855377.25	5.41E-05	8.53E-09	2.97E-09	6.63E-05	1.04E-08	3.64E-09	5.81E-05	9.16E-09	3.19E-09
4123	480363.09, 3855377.25	8.37E-05	1.32E-08	4.59E-09	1.02E-04	1.61E-08	5.62E-09	8.99E-05	1.42E-08	4.93E-09
4124	480863.09, 3855377.25	1.24E-04	1.95E-08	6.79E-09	1.52E-04	2.39E-08	8.32E-09	1.33E-04	2.09E-08	7.29E-09
4125	481363.09, 3855377.25	1.65E-04	2.60E-08	9.07E-09	2.03E-04	3.19E-08	1.11E-08	1.78E-04	2.80E-08	9.75E-09
4126	481863.09, 3855377.25	2.04E-04	3.21E-08	1.12E-08	2.50E-04	3.93E-08	1.37E-08	2.19E-04	3.45E-08	1.20E-08
4127	482363.09, 3855377.25	2.46E-04	3.88E-08	1.35E-08	3.02E-04	4.75E-08	1.66E-08	2.65E-04	4.17E-08	1.45E-08
4128	482863.09, 3855377.25	3.33E-04	5.25E-08	1.83E-08	4.08E-04	6.43E-08	2.24E-08	3.58E-04	5.63E-08	1.96E-08
4129	483363.09, 3855377.25	4.77E-04	7.52E-08	2.62E-08	5.84E-04	9.21E-08	3.21E-08	5.11E-04	8.06E-08	2.81E-08
4130	483863.09, 3855377.25	8.05E-04	1.27E-07	4.42E-08	9.86E-04	1.55E-07	5.41E-08	8.61E-04	1.36E-07	4.73E-08
4131	484363.09, 3855377.25	1.97E-03	3.10E-07	1.08E-07	2.41E-03	3.80E-07	1.32E-07	2.11E-03	3.33E-07	1.16E-07
4132	484863.09, 3855377.25	6.24E-03	9.83E-07	3.42E-07	7.64E-03	1.20E-06	4.19E-07	6.72E-03	1.06E-06	3.69E-07
4133	485363.09, 3855377.25	4.94E-03	7.78E-07	2.71E-07	6.05E-03	9.53E-07	3.32E-07	5.32E-03	8.38E-07	2.92E-07
4134	485863.09, 3855377.25	2.37E-03	3.73E-07	1.30E-07	2.90E-03	4.57E-07	1.59E-07	2.55E-03	4.02E-07	1.40E-07
4135	486363.09, 3855377.25	1.50E-03	2.36E-07	8.23E-08	1.84E-03	2.89E-07	1.01E-07	1.61E-03	2.54E-07	8.85E-08
4136	486863.09, 3855377.25	1.08E-03	1.69E-07	5.90E-08	1.32E-03	2.07E-07	7.23E-08	1.16E-03	1.82E-07	6.34E-08
4137	487363.09, 3855377.25	9.28E-04	1.46E-07	5.09E-08	1.14E-03	1.79E-07	6.24E-08	9.98E-04	1.57E-07	5.48E-08
4138	487863.09, 3855377.25	8.13E-04	1.28E-07	4.46E-08	9.96E-04	1.57E-07	5.47E-08	8.75E-04	1.38E-07	4.80E-08
4139	488363.09, 3855377.25	7.22E-04	1.14E-07	3.96E-08	8.84E-04	1.39E-07	4.85E-08	7.76E-04	1.22E-07	4.26E-08
4140	488863.09, 3855377.25	6.45E-04	1.02E-07	3.54E-08	7.89E-04	1.24E-07	4.33E-08	6.93E-04	1.09E-07	3.81E-08
4141	489363.09, 3855377.25	5.76E-04	9.07E-08	3.16E-08	7.05E-04	1.11E-07	3.87E-08	6.19E-04	9.75E-08	3.40E-08
4142	489863.09, 3855377.25	5.11E-04	8.05E-08	2.80E-08	6.26E-04	9.85E-08	3.43E-08	5.49E-04	8.65E-08	3.01E-08
4143	490363.09, 3855377.25	4.67E-04	7.36E-08	2.57E-08	5.73E-04	9.02E-08	3.14E-08	5.03E-04	7.92E-08	2.76E-08
4144	490863.09, 3855377.25	3.19E-04	5.03E-08	1.75E-08	3.91E-04	6.16E-08	2.15E-08	3.43E-04	5.41E-08	1.88E-08
4145	491363.09, 3855377.25	2.64E-04	4.16E-08	1.45E-08	3.24E-04	5.10E-08	1.78E-08	2.84E-04	4.47E-08	1.56E-08
4146	491863.09, 3855377.25	3.45E-04	5.44E-08	1.89E-08	4.23E-04	6.66E-08	2.32E-08	3.71E-04	5.84E-08	2.04E-08
4147	492363.09, 3855377.25	3.21E-04	5.05E-08	1.76E-08	3.93E-04	6.19E-08	2.16E-08	3.45E-04	5.43E-08	1.89E-08
4148	492863.09, 3855377.25	2.92E-04	4.60E-08	1.60E-08	3.57E-04	5.63E-08	1.96E-08	3.14E-04	4.94E-08	1.72E-08
4149	493363.09, 3855377.25	2.55E-04	4.02E-08	1.40E-08	3.12E-04	4.92E-08	1.71E-08	2.74E-04	4.32E-08	1.50E-08
4150	493863.09, 3855377.25	1.99E-04	3.14E-08	1.09E-08	2.44E-04	3.85E-08	1.34E-08	2.14E-04	3.37E-08	1.18E-08

4151	494363.09, 3855377.25	1.46E-04	2.29E-08	7.99E-09	1.78E-04	2.81E-08	9.78E-09	1.56E-04	2.46E-08	8.58E-09
4152	494863.09, 3855377.25	1.04E-04	1.65E-08	5.73E-09	1.28E-04	2.02E-08	7.02E-09	1.12E-04	1.77E-08	6.16E-09
4153	495363.09, 3855377.25	7.97E-05	1.26E-08	4.37E-09	9.76E-05	1.54E-08	5.36E-09	8.56E-05	1.35E-08	4.70E-09
4154	495863.09, 3855377.25	6.45E-05	1.02E-08	3.54E-09	7.90E-05	1.24E-08	4.33E-09	6.93E-05	1.09E-08	3.80E-09
4155	496363.09, 3855377.25	6.01E-05	9.46E-09	3.30E-09	7.36E-05	1.16E-08	4.04E-09	6.45E-05	1.02E-08	3.54E-09
4156	496863.09, 3855377.25	5.67E-05	8.94E-09	3.11E-09	6.95E-05	1.09E-08	3.81E-09	6.09E-05	9.60E-09	3.34E-09
4157	497363.09, 3855377.25	5.58E-05	8.79E-09	3.06E-09	6.84E-05	1.08E-08	3.75E-09	5.99E-05	9.44E-09	3.29E-09
4158	497863.09, 3855377.25	5.72E-05	9.00E-09	3.14E-09	7.00E-05	1.10E-08	3.84E-09	6.14E-05	9.67E-09	3.37E-09
4159	498363.09, 3855377.25	5.94E-05	9.35E-09	3.26E-09	7.27E-05	1.15E-08	3.99E-09	6.37E-05	1.00E-08	3.50E-09
4160	471363.09, 3855877.25	1.70E-05	2.68E-09	9.35E-10	2.09E-05	3.29E-09	1.15E-09	1.83E-05	2.88E-09	1.00E-09
4161	471863.09, 3855877.25	1.80E-05	2.83E-09	9.86E-10	2.20E-05	3.47E-09	1.21E-09	1.93E-05	3.04E-09	1.06E-09
4162	472363.09, 3855877.25	1.97E-05	3.10E-09	1.08E-09	2.41E-05	3.80E-09	1.33E-09	2.12E-05	3.33E-09	1.16E-09
4163	472863.09, 3855877.25	2.05E-05	3.23E-09	1.13E-09	2.51E-05	3.96E-09	1.38E-09	2.20E-05	3.47E-09	1.21E-09
4164	473363.09, 3855877.25	2.28E-05	3.60E-09	1.25E-09	2.80E-05	4.41E-09	1.54E-09	2.45E-05	3.86E-09	1.35E-09
4165	473863.09, 3855877.25	2.49E-05	3.92E-09	1.36E-09	3.05E-05	4.80E-09	1.67E-09	2.67E-05	4.21E-09	1.47E-09
4166	474363.09, 3855877.25	2.66E-05	4.19E-09	1.46E-09	3.26E-05	5.13E-09	1.79E-09	2.85E-05	4.50E-09	1.57E-09
4167	474863.09, 3855877.25	2.30E-05	3.62E-09	1.26E-09	2.81E-05	4.43E-09	1.54E-09	2.46E-05	3.88E-09	1.35E-09
4168	475363.09, 3855877.25	1.51E-05	2.38E-09	8.31E-10	1.85E-05	2.92E-09	1.02E-09	1.63E-05	2.56E-09	8.92E-10
4169	475863.09, 3855877.25	6.58E-06	1.04E-09	3.61E-10	8.05E-06	1.27E-09	4.42E-10	7.06E-06	1.11E-09	3.88E-10
4170	476363.09, 3855877.25	7.11E-06	1.12E-09	3.90E-10	8.71E-06	1.37E-09	4.78E-10	7.63E-06	1.20E-09	4.19E-10
4171	476863.09, 3855877.25	1.09E-05	1.72E-09	6.00E-10	1.34E-05	2.11E-09	7.35E-10	1.17E-05	1.85E-09	6.44E-10
4172	477363.09, 3855877.25	1.36E-05	2.14E-09	7.45E-10	1.66E-05	2.62E-09	9.12E-10	1.46E-05	2.30E-09	8.00E-10
4173	477863.09, 3855877.25	1.71E-05	2.70E-09	9.40E-10	2.10E-05	3.30E-09	1.15E-09	1.84E-05	2.90E-09	1.01E-09
4174	478363.09, 3855877.25	2.26E-05	3.56E-09	1.24E-09	2.77E-05	4.36E-09	1.52E-09	2.43E-05	3.82E-09	1.33E-09
4175	478863.09, 3855877.25	3.10E-05	4.88E-09	1.70E-09	3.79E-05	5.97E-09	2.08E-09	3.33E-05	5.24E-09	1.82E-09
4176	479363.09, 3855877.25	4.42E-05	6.97E-09	2.43E-09	5.42E-05	8.53E-09	2.97E-09	4.75E-05	7.48E-09	2.61E-09
4177	479863.09, 3855877.25	6.04E-05	9.52E-09	3.32E-09	7.40E-05	1.17E-08	4.06E-09	6.49E-05	1.02E-08	3.56E-09
4178	480363.09, 3855877.25	8.56E-05	1.35E-08	4.70E-09	1.05E-04	1.65E-08	5.75E-09	9.19E-05	1.45E-08	5.04E-09
4179	480863.09, 3855877.25	1.20E-04	1.89E-08	6.59E-09	1.47E-04	2.32E-08	8.07E-09	1.29E-04	2.03E-08	7.08E-09
4180	481363.09, 3855877.25	1.43E-04	2.26E-08	7.86E-09	1.76E-04	2.77E-08	9.63E-09	1.54E-04	2.42E-08	8.44E-09
4181	481863.09, 3855877.25	1.99E-04	3.13E-08	1.09E-08	2.43E-04	3.83E-08	1.33E-08	2.13E-04	3.36E-08	1.17E-08
4182	482363.09, 3855877.25	2.28E-04	3.60E-08	1.25E-08	2.80E-04	4.41E-08	1.54E-08	2.45E-04	3.86E-08	1.35E-08
4183	482863.09, 3855877.25	2.89E-04	4.55E-08	1.59E-08	3.54E-04	5.58E-08	1.94E-08	3.10E-04	4.89E-08	1.70E-08
4184	483363.09, 3855877.25	3.78E-04	5.95E-08	2.07E-08	4.63E-04	7.29E-08	2.54E-08	4.06E-04	6.39E-08	2.23E-08
4185	483863.09, 3855877.25	5.24E-04	8.25E-08	2.88E-08	6.42E-04	1.01E-07	3.52E-08	5.63E-04	8.86E-08	3.09E-08
4186	484363.09, 3855877.25	8.14E-04	1.28E-07	4.47E-08	9.97E-04	1.57E-07	5.47E-08	8.75E-04	1.38E-07	4.80E-08
4187	484863.09, 3855877.25	1.66E-03	2.61E-07	9.09E-08	2.03E-03	3.19E-07	1.11E-07	1.78E-03	2.81E-07	9.79E-08
4188	485363.09, 3855877.25	7.07E-03	1.11E-06	3.88E-07	8.66E-03	1.36E-06	4.76E-07	7.64E-03	1.20E-06	4.19E-07
4189	485863.09, 3855877.25	6.24E-03	9.83E-07	3.42E-07	7.64E-03	1.20E-06	4.19E-07	6.73E-03	1.06E-06	3.69E-07
4190	486363.09, 3855877.25	2.54E-03	3.99E-07	1.39E-07	3.11E-03	4.89E-07	1.70E-07	2.73E-03	4.31E-07	1.50E-07
4191	486863.09, 3855877.25	1.69E-03	2.67E-07	9.30E-08	2.08E-03	3.27E-07	1.14E-07	1.83E-03	2.88E-07	1.00E-07
4192	487363.09, 3855877.25	1.37E-03	2.16E-07	7.53E-08	1.68E-03	2.65E-07	9.23E-08	1.48E-03	2.33E-07	8.12E-08
4193	487863.09, 3855877.25	1.14E-03	1.80E-07	6.28E-08	1.40E-03	2.21E-07	7.69E-08	1.23E-03	1.94E-07	6.77E-08
4194	488363.09, 3855877.25	9.66E-04	1.52E-07	5.30E-08	1.18E-03	1.86E-07	6.49E-08	1.04E-03	1.64E-07	5.71E-08
4195	488863.09, 3855877.25	8.29E-04	1.31E-07	4.55E-08	1.02E-03	1.60E-07	5.58E-08	8.93E-04	1.41E-07	4.90E-08
4196	489363.09, 3855877.25	7.20E-04	1.13E-07	3.95E-08	8.82E-04	1.39E-07	4.84E-08	7.75E-04	1.22E-07	4.25E-08
4197	489863.09, 3855877.25	6.32E-04	9.95E-08	3.47E-08	7.74E-04	1.22E-07	4.25E-08	6.80E-04	1.07E-07	3.73E-08
4198	490363.09, 3855877.25	5.60E-04	8.83E-08	3.07E-08	6.86E-04	1.08E-07	3.77E-08	6.02E-04	9.49E-08	3.31E-08
4199	490863.09, 3855877.25	4.97E-04	7.83E-08	2.73E-08	6.08E-04	9.58E-08	3.34E-08	5.34E-04	8.41E-08	2.93E-08
4200	491363.09, 3855877.25	4.24E-04	6.67E-08	2.32E-08	5.19E-04	8.17E-08	2.85E-08	4.55E-04	7.17E-08	2.50E-08
4201	491863.09, 3855877.25	4.01E-04	6.31E-08	2.20E-08	4.91E-04	7.73E-08	2.69E-08	4.30E-04	6.78E-08	2.36E-08
4202	492363.09, 3855877.25	3.58E-04	5.64E-08	1.96E-08	4.38E-04	6.90E-08	2.40E-08	3.84E-04	6.05E-08	2.11E-08
4203	492863.09, 3855877.25	3.21E-04	5.05E-08	1.76E-08	3.93E-04	6.19E-08	2.16E-08	3.44E-04	5.42E-08	1.89E-08
4204	493363.09, 3855877.25	2.53E-04	3.98E-08	1.39E-08	3.09E-04	4.87E-08	1.70E-08	2.71E-04	4.27E-08	1.49E-08
4205	493863.09, 3855877.25	1.78E-04	2.80E-08	9.75E-09	2.18E-04	3.43E-08	1.19E-08	1.91E-04	3.00E-08	1.05E-08
4206	494363.09, 3855877.25	1.23E-04	1.93E-08	6.72E-09	1.50E-04	2.36E-08	8.23E-09	1.32E-04	2.07E-08	7.22E-09
4207	494863.09, 3855877.25	9.06E-05	1.43E-08	4.97E-09	1.11E-04	1.75E-08	6.09E-09	9.73E-05	1.53E-08	5.34E-09
4208	495363.09, 3855877.25	6.41E-05	1.01E-08	3.52E-09	7.85E-05	1.24E-08	4.31E-09	6.89E-05	1.08E-08	3.78E-09
4209	495863.09, 3855877.25	6.03E-05	9.51E-09	3.31E-09	7.39E-05	1.16E-08	4.06E-09	6.48E-05	1.02E-08	3.56E-09
4210	496363.09, 3855877.25	5.79E-05	9.12E-09	3.18E-09	7.09E-05	1.12E-08	3.89E-09	6.21E-05	9.79E-09	3.41E-09
4211	496863.09, 3855877.25	5.82E-05	9.16E-09	3.19E-09	7.12E-05	1.12E-08	3.91E-09	6.24E-05	9.84E-09	3.43E-09
4212	497363.09, 3855877.25	5.90E-05	9.29E-09	3.24E-09	7.22E-05	1.14E-08	3.96E-09	6.33E-05	9.98E-09	3.48E-09

4213	497863.09, 3855877.25	6.11E-05	9.62E-09	3.35E-09	7.48E-05	1.18E-08	4.10E-09	6.56E-05	1.03E-08	3.60E-09
4214	498363.09, 3855877.25	6.80E-05	1.07E-08	3.73E-09	8.32E-05	1.31E-08	4.57E-09	7.30E-05	1.15E-08	4.01E-09
4215	471363.09, 3856377.25	1.77E-05	2.79E-09	9.71E-10	2.17E-05	3.41E-09	1.19E-09	1.90E-05	2.99E-09	1.04E-09
4216	471863.09, 3856377.25	1.86E-05	2.92E-09	1.02E-09	2.27E-05	3.58E-09	1.25E-09	1.99E-05	3.14E-09	1.09E-09
4217	472363.09, 3856377.25	2.00E-05	3.14E-09	1.10E-09	2.44E-05	3.85E-09	1.34E-09	2.14E-05	3.37E-09	1.18E-09
4218	472863.09, 3856377.25	2.17E-05	3.41E-09	1.19E-09	2.65E-05	4.18E-09	1.46E-09	2.33E-05	3.66E-09	1.28E-09
4219	473363.09, 3856377.25	2.33E-05	3.67E-09	1.28E-09	2.85E-05	4.49E-09	1.57E-09	2.50E-05	3.94E-09	1.37E-09
4220	473863.09, 3856377.25	2.58E-05	4.06E-09	1.41E-09	3.16E-05	4.97E-09	1.73E-09	2.77E-05	4.36E-09	1.52E-09
4221	474363.09, 3856377.25	2.63E-05	4.14E-09	1.44E-09	3.22E-05	5.07E-09	1.77E-09	2.82E-05	4.45E-09	1.55E-09
4222	474863.09, 3856377.25	2.59E-05	4.07E-09	1.42E-09	3.17E-05	4.99E-09	1.74E-09	2.78E-05	4.38E-09	1.52E-09
4223	475363.09, 3856377.25	2.18E-05	3.43E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.34E-05	3.69E-09	1.28E-09
4224	475863.09, 3856377.25	1.51E-05	2.38E-09	8.28E-10	1.85E-05	2.91E-09	1.01E-09	1.62E-05	2.55E-09	8.90E-10
4225	476363.09, 3856377.25	1.42E-05	2.23E-09	7.78E-10	1.74E-05	2.74E-09	9.53E-10	1.52E-05	2.40E-09	8.36E-10
4226	476863.09, 3856377.25	1.46E-05	2.30E-09	8.03E-10	1.79E-05	2.82E-09	9.84E-10	1.57E-05	2.48E-09	8.63E-10
4227	477363.09, 3856377.25	1.59E-05	2.51E-09	8.74E-10	1.95E-05	3.07E-09	1.07E-09	1.71E-05	2.69E-09	9.39E-10
4228	477863.09, 3856377.25	1.28E-05	2.02E-09	7.05E-10	1.57E-05	2.48E-09	8.63E-10	1.38E-05	2.17E-09	7.57E-10
4229	478363.09, 3856377.25	1.16E-05	1.83E-09	6.36E-10	1.42E-05	2.24E-09	7.80E-10	1.25E-05	1.96E-09	6.84E-10
4230	478863.09, 3856377.25	2.43E-05	3.83E-09	1.33E-09	2.98E-05	4.69E-09	1.63E-09	2.61E-05	4.11E-09	1.43E-09
4231	479363.09, 3856377.25	3.34E-05	5.26E-09	1.83E-09	4.09E-05	6.44E-09	2.24E-09	3.59E-05	5.65E-09	1.97E-09
4232	479863.09, 3856377.25	5.96E-05	9.40E-09	3.27E-09	7.31E-05	1.15E-08	4.01E-09	6.41E-05	1.01E-08	3.52E-09
4233	480363.09, 3856377.25	9.08E-05	1.43E-08	4.98E-09	1.11E-04	1.75E-08	6.10E-09	9.74E-05	1.53E-08	5.35E-09
4234	480863.09, 3856377.25	1.20E-04	1.88E-08	6.56E-09	1.46E-04	2.31E-08	8.04E-09	1.28E-04	2.02E-08	7.04E-09
4235	481363.09, 3856377.25	1.52E-04	2.40E-08	8.36E-09	1.87E-04	2.94E-08	1.02E-08	1.63E-04	2.58E-08	8.97E-09
4236	481863.09, 3856377.25	1.82E-04	2.86E-08	9.98E-09	2.23E-04	3.51E-08	1.22E-08	1.95E-04	3.07E-08	1.07E-08
4237	482363.09, 3856377.25	2.04E-04	3.22E-08	1.12E-08	2.50E-04	3.94E-08	1.37E-08	2.19E-04	3.46E-08	1.20E-08
4238	482863.09, 3856377.25	2.49E-04	3.93E-08	1.37E-08	3.06E-04	4.81E-08	1.68E-08	2.68E-04	4.22E-08	1.47E-08
4239	483363.09, 3856377.25	3.12E-04	4.91E-08	1.71E-08	3.82E-04	6.02E-08	2.10E-08	3.35E-04	5.28E-08	1.84E-08
4240	483863.09, 3856377.25	4.01E-04	6.31E-08	2.20E-08	4.91E-04	7.73E-08	2.69E-08	4.31E-04	6.78E-08	2.36E-08
4241	484363.09, 3856377.25	5.25E-04	8.26E-08	2.88E-08	6.42E-04	1.01E-07	3.53E-08	5.64E-04	8.89E-08	3.10E-08
4242	484863.09, 3856377.25	7.54E-04	1.19E-07	4.14E-08	9.23E-04	1.45E-07	5.07E-08	8.12E-04	1.28E-07	4.46E-08
4243	485363.09, 3856377.25	1.38E-03	2.18E-07	7.59E-08	1.69E-03	2.67E-07	9.30E-08	1.49E-03	2.35E-07	8.19E-08
4244	485863.09, 3856377.25	5.25E-03	8.28E-07	2.88E-07	6.43E-03	1.01E-06	3.53E-07	5.67E-03	8.93E-07	3.11E-07
4245	486363.09, 3856377.25	6.64E-03	1.05E-06	3.65E-07	8.14E-03	1.28E-06	4.47E-07	7.17E-03	1.13E-06	3.94E-07
4246	486863.09, 3856377.25	3.07E-03	4.84E-07	1.69E-07	3.77E-03	5.93E-07	2.07E-07	3.32E-03	5.23E-07	1.82E-07
4247	487363.09, 3856377.25	2.04E-03	3.22E-07	1.12E-07	2.50E-03	3.94E-07	1.37E-07	2.20E-03	3.47E-07	1.21E-07
4248	487863.09, 3856377.25	1.54E-03	2.42E-07	8.43E-08	1.88E-03	2.96E-07	1.03E-07	1.65E-03	2.61E-07	9.08E-08
4249	488363.09, 3856377.25	1.22E-03	1.92E-07	6.68E-08	1.49E-03	2.35E-07	8.18E-08	1.31E-03	2.06E-07	7.19E-08
4250	488863.09, 3856377.25	1.00E-03	1.57E-07	5.49E-08	1.22E-03	1.93E-07	6.72E-08	1.08E-03	1.69E-07	5.90E-08
4251	489363.09, 3856377.25	8.42E-04	1.33E-07	4.62E-08	1.03E-03	1.62E-07	5.66E-08	9.05E-04	1.43E-07	4.97E-08
4252	489863.09, 3856377.25	7.22E-04	1.14E-07	3.96E-08	8.85E-04	1.39E-07	4.86E-08	7.76E-04	1.22E-07	4.26E-08
4253	490363.09, 3856377.25	6.27E-04	9.88E-08	3.44E-08	7.68E-04	1.21E-07	4.22E-08	6.73E-04	1.06E-07	3.70E-08
4254	490863.09, 3856377.25	5.51E-04	8.67E-08	3.02E-08	6.74E-04	1.06E-07	3.70E-08	5.91E-04	9.31E-08	3.24E-08
4255	491363.09, 3856377.25	4.87E-04	7.67E-08	2.67E-08	5.97E-04	9.40E-08	3.27E-08	5.23E-04	8.24E-08	2.87E-08
4256	491863.09, 3856377.25	4.33E-04	6.82E-08	2.37E-08	5.30E-04	8.35E-08	2.91E-08	4.64E-04	7.32E-08	2.55E-08
4257	492363.09, 3856377.25	3.81E-04	6.00E-08	2.09E-08	4.66E-04	7.35E-08	2.56E-08	4.09E-04	6.44E-08	2.24E-08
4258	492863.09, 3856377.25	3.14E-04	4.95E-08	1.72E-08	3.85E-04	6.06E-08	2.11E-08	3.37E-04	5.31E-08	1.85E-08
4259	493363.09, 3856377.25	2.03E-04	3.19E-08	1.11E-08	2.48E-04	3.91E-08	1.36E-08	2.18E-04	3.43E-08	1.19E-08
4260	493863.09, 3856377.25	1.53E-04	2.41E-08	8.39E-09	1.87E-04	2.95E-08	1.03E-08	1.64E-04	2.59E-08	9.01E-09
4261	494363.09, 3856377.25	1.08E-04	1.70E-08	5.93E-09	1.32E-04	2.08E-08	7.26E-09	1.16E-04	1.83E-08	6.37E-09
4262	494863.09, 3856377.25	7.92E-05	1.25E-08	4.35E-09	9.70E-05	1.53E-08	5.32E-09	8.50E-05	1.34E-08	4.67E-09
4263	495363.09, 3856377.25	6.31E-05	9.94E-09	3.46E-09	7.73E-05	1.22E-08	4.24E-09	6.78E-05	1.07E-08	3.72E-09
4264	495863.09, 3856377.25	5.90E-05	9.29E-09	3.24E-09	7.22E-05	1.14E-08	3.96E-09	6.33E-05	9.97E-09	3.47E-09
4265	496363.09, 3856377.25	5.77E-05	9.09E-09	3.17E-09	7.07E-05	1.11E-08	3.88E-09	6.20E-05	9.76E-09	3.40E-09
4266	496863.09, 3856377.25	6.06E-05	9.55E-09	3.33E-09	7.42E-05	1.17E-08	4.07E-09	6.51E-05	1.03E-08	3.57E-09
4267	497363.09, 3856377.25	6.29E-05	9.91E-09	3.45E-09	7.70E-05	1.21E-08	4.23E-09	6.75E-05	1.06E-08	3.71E-09
4268	497863.09, 3856377.25	6.77E-05	1.07E-08	3.71E-09	8.29E-05	1.31E-08	4.55E-09	7.27E-05	1.14E-08	3.99E-09
4269	498363.09, 3856377.25	7.43E-05	1.17E-08	4.08E-09	9.10E-05	1.43E-08	5.00E-09	7.98E-05	1.26E-08	4.38E-09
4270	471363.09, 3856877.25	1.81E-05	2.85E-09	9.94E-10	2.22E-05	3.49E-09	1.22E-09	1.94E-05	3.06E-09	1.07E-09
4271	471863.09, 3856877.25	1.88E-05	2.96E-09	1.03E-09	2.30E-05	3.63E-09	1.26E-09	2.02E-05	3.18E-09	1.11E-09
4272	472363.09, 3856877.25	2.01E-05	3.17E-09	1.11E-09	2.47E-05	3.89E-09	1.35E-09	2.16E-05	3.41E-09	1.19E-09
4273	472863.09, 3856877.25	2.16E-05	3.40E-09	1.18E-09	2.64E-05	4.16E-09	1.45E-09	2.32E-05	3.65E-09	1.27E-09
4274	473363.09, 3856877.25	2.39E-05	3.77E-09	1.31E-09	2.93E-05	4.62E-09	1.61E-09	2.57E-05	4.05E-09	1.41E-09

4275	473863.09, 3856877.25	2.56E-05	4.04E-09	1.41E-09	3.14E-05	4.95E-09	1.72E-09	2.75E-05	4.34E-09	1.51E-09
4276	474363.09, 3856877.25	2.59E-05	4.08E-09	1.42E-09	3.18E-05	5.00E-09	1.74E-09	2.78E-05	4.38E-09	1.53E-09
4277	474863.09, 3856877.25	2.52E-05	3.97E-09	1.38E-09	3.09E-05	4.87E-09	1.70E-09	2.71E-05	4.27E-09	1.49E-09
4278	475363.09, 3856877.25	2.23E-05	3.52E-09	1.23E-09	2.74E-05	4.31E-09	1.50E-09	2.40E-05	3.78E-09	1.32E-09
4279	475863.09, 3856877.25	2.27E-05	3.58E-09	1.25E-09	2.79E-05	4.39E-09	1.53E-09	2.44E-05	3.85E-09	1.34E-09
4280	476363.09, 3856877.25	2.01E-05	3.16E-09	1.10E-09	2.46E-05	3.87E-09	1.35E-09	2.15E-05	3.39E-09	1.18E-09
4281	476863.09, 3856877.25	1.95E-05	3.08E-09	1.07E-09	2.39E-05	3.77E-09	1.31E-09	2.10E-05	3.30E-09	1.15E-09
4282	477363.09, 3856877.25	1.74E-05	2.74E-09	9.53E-10	2.13E-05	3.35E-09	1.17E-09	1.86E-05	2.94E-09	1.02E-09
4283	477863.09, 3856877.25	1.17E-05	1.85E-09	6.43E-10	1.44E-05	2.26E-09	7.88E-10	1.26E-05	1.98E-09	6.91E-10
4284	478363.09, 3856877.25	1.04E-05	1.64E-09	5.73E-10	1.28E-05	2.01E-09	7.01E-10	1.12E-05	1.77E-09	6.15E-10
4285	478863.09, 3856877.25	1.36E-05	2.15E-09	7.49E-10	1.67E-05	2.63E-09	9.17E-10	1.47E-05	2.31E-09	8.04E-10
4286	479363.09, 3856877.25	1.90E-05	3.00E-09	1.04E-09	2.33E-05	3.67E-09	1.28E-09	2.04E-05	3.22E-09	1.12E-09
4287	479863.09, 3856877.25	5.44E-05	8.58E-09	2.99E-09	6.67E-05	1.05E-08	3.66E-09	5.85E-05	9.21E-09	3.21E-09
4288	480363.09, 3856877.25	8.81E-05	1.39E-08	4.84E-09	1.08E-04	1.70E-08	5.92E-09	9.46E-05	1.49E-08	5.19E-09
4289	480863.09, 3856877.25	1.16E-04	1.83E-08	6.37E-09	1.42E-04	2.24E-08	7.81E-09	1.25E-04	1.96E-08	6.84E-09
4290	481363.09, 3856877.25	1.40E-04	2.21E-08	7.70E-09	1.72E-04	2.71E-08	9.44E-09	1.51E-04	2.38E-08	8.27E-09
4291	481863.09, 3856877.25	1.65E-04	2.59E-08	9.03E-09	2.02E-04	3.18E-08	1.11E-08	1.77E-04	2.79E-08	9.70E-09
4292	482363.09, 3856877.25	1.83E-04	2.89E-08	1.01E-08	2.25E-04	3.54E-08	1.23E-08	1.97E-04	3.10E-08	1.08E-08
4293	482863.09, 3856877.25	2.15E-04	3.39E-08	1.18E-08	2.64E-04	4.16E-08	1.45E-08	2.31E-04	3.64E-08	1.27E-08
4294	483363.09, 3856877.25	2.59E-04	4.09E-08	1.42E-08	3.18E-04	5.01E-08	1.74E-08	2.79E-04	4.39E-08	1.53E-08
4295	483863.09, 3856877.25	3.18E-04	5.00E-08	1.74E-08	3.89E-04	6.13E-08	2.13E-08	3.41E-04	5.38E-08	1.87E-08
4296	484363.09, 3856877.25	3.96E-04	6.23E-08	2.17E-08	4.84E-04	7.63E-08	2.66E-08	4.26E-04	6.70E-08	2.34E-08
4297	484863.09, 3856877.25	5.05E-04	7.96E-08	2.77E-08	6.19E-04	9.75E-08	3.40E-08	5.44E-04	8.57E-08	2.98E-08
4298	485363.09, 3856877.25	7.14E-04	1.12E-07	3.92E-08	8.74E-04	1.38E-07	4.80E-08	7.68E-04	1.21E-07	4.22E-08
4299	485863.09, 3856877.25	1.19E-03	1.87E-07	6.51E-08	1.45E-03	2.29E-07	7.98E-08	1.28E-03	2.01E-07	7.01E-08
4300	486363.09, 3856877.25	5.40E-03	8.51E-07	2.97E-07	6.62E-03	1.04E-06	3.63E-07	5.83E-03	9.19E-07	3.20E-07
4301	486863.09, 3856877.25	8.01E-03	1.26E-06	4.39E-07	9.80E-03	1.54E-06	5.38E-07	8.64E-03	1.36E-06	4.74E-07
4302	487363.09, 3856877.25	3.21E-03	5.05E-07	1.76E-07	3.93E-03	6.19E-07	2.16E-07	3.45E-03	5.44E-07	1.90E-07
4303	487863.09, 3856877.25	1.95E-03	3.07E-07	1.07E-07	2.39E-03	3.76E-07	1.31E-07	2.09E-03	3.30E-07	1.15E-07
4304	488363.09, 3856877.25	1.43E-03	2.25E-07	7.84E-08	1.75E-03	2.76E-07	9.60E-08	1.53E-03	2.41E-07	8.40E-08
4305	488863.09, 3856877.25	1.13E-03	1.77E-07	6.18E-08	1.38E-03	2.17E-07	7.56E-08	1.21E-03	1.90E-07	6.61E-08
4306	489363.09, 3856877.25	9.20E-04	1.45E-07	5.05E-08	1.13E-03	1.78E-07	6.18E-08	9.85E-04	1.55E-07	5.41E-08
4307	489863.09, 3856877.25	7.72E-04	1.22E-07	4.23E-08	9.45E-04	1.49E-07	5.19E-08	8.27E-04	1.30E-07	4.54E-08
4308	490363.09, 3856877.25	6.59E-04	1.04E-07	3.62E-08	8.07E-04	1.27E-07	4.43E-08	7.06E-04	1.11E-07	3.88E-08
4309	490863.09, 3856877.25	5.70E-04	8.98E-08	3.13E-08	6.98E-04	1.10E-07	3.83E-08	6.11E-04	9.62E-08	3.35E-08
4310	491363.09, 3856877.25	4.99E-04	7.86E-08	2.74E-08	6.11E-04	9.63E-08	3.35E-08	5.35E-04	8.43E-08	2.94E-08
4311	491863.09, 3856877.25	4.40E-04	6.94E-08	2.42E-08	5.39E-04	8.50E-08	2.96E-08	4.72E-04	7.44E-08	2.59E-08
4312	492363.09, 3856877.25	3.64E-04	5.73E-08	2.00E-08	4.45E-04	7.02E-08	2.44E-08	3.90E-04	6.14E-08	2.14E-08
4313	492863.09, 3856877.25	2.86E-04	4.50E-08	1.57E-08	3.50E-04	5.51E-08	1.92E-08	3.06E-04	4.83E-08	1.68E-08
4314	493363.09, 3856877.25	2.04E-04	3.22E-08	1.12E-08	2.50E-04	3.94E-08	1.37E-08	2.19E-04	3.45E-08	1.20E-08
4315	493863.09, 3856877.25	1.35E-04	2.13E-08	7.41E-09	1.65E-04	2.61E-08	9.08E-09	1.45E-04	2.28E-08	7.96E-09
4316	494363.09, 3856877.25	9.39E-05	1.48E-08	5.15E-09	1.15E-04	1.81E-08	6.31E-09	1.01E-04	1.59E-08	5.53E-09
4317	494863.09, 3856877.25	7.69E-05	1.21E-08	4.22E-09	9.42E-05	1.48E-08	5.17E-09	8.26E-05	1.30E-08	4.53E-09
4318	495363.09, 3856877.25	6.76E-05	1.07E-08	3.71E-09	8.28E-05	1.30E-08	4.55E-09	7.26E-05	1.14E-08	3.98E-09
4319	495863.09, 3856877.25	6.45E-05	1.02E-08	3.54E-09	7.90E-05	1.24E-08	4.33E-09	6.92E-05	1.09E-08	3.80E-09
4320	496363.09, 3856877.25	6.26E-05	9.87E-09	3.44E-09	7.67E-05	1.21E-08	4.21E-09	6.72E-05	1.06E-08	3.69E-09
4321	496863.09, 3856877.25	6.32E-05	9.96E-09	3.47E-09	7.75E-05	1.22E-08	4.25E-09	6.79E-05	1.07E-08	3.73E-09
4322	497363.09, 3856877.25	6.61E-05	1.04E-08	3.63E-09	8.10E-05	1.28E-08	4.45E-09	7.10E-05	1.12E-08	3.90E-09
4323	497863.09, 3856877.25	7.41E-05	1.17E-08	4.07E-09	9.08E-05	1.43E-08	4.98E-09	7.95E-05	1.25E-08	4.37E-09
4324	498363.09, 3856877.25	8.38E-05	1.32E-08	4.60E-09	1.03E-04	1.62E-08	5.63E-09	9.00E-05	1.42E-08	4.94E-09
4325	471363.09, 3857377.25	1.84E-05	2.90E-09	1.01E-09	2.25E-05	3.55E-09	1.24E-09	1.98E-05	3.11E-09	1.08E-09
4326	471863.09, 3857377.25	1.91E-05	3.00E-09	1.05E-09	2.34E-05	3.68E-09	1.28E-09	2.05E-05	3.23E-09	1.12E-09
4327	472363.09, 3857377.25	2.02E-05	3.18E-09	1.11E-09	2.48E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
4328	472863.09, 3857377.25	2.17E-05	3.41E-09	1.19E-09	2.65E-05	4.18E-09	1.46E-09	2.33E-05	3.67E-09	1.28E-09
4329	473363.09, 3857377.25	2.35E-05	3.71E-09	1.29E-09	2.88E-05	4.54E-09	1.58E-09	2.53E-05	3.98E-09	1.39E-09
4330	473863.09, 3857377.25	2.58E-05	4.07E-09	1.42E-09	3.16E-05	4.98E-09	1.74E-09	2.77E-05	4.37E-09	1.52E-09
4331	474363.09, 3857377.25	2.55E-05	4.02E-09	1.40E-09	3.13E-05	4.92E-09	1.72E-09	2.74E-05	4.32E-09	1.50E-09
4332	474863.09, 3857377.25	2.09E-05	3.29E-09	1.15E-09	2.56E-05	4.03E-09	1.40E-09	2.24E-05	3.53E-09	1.23E-09
4333	475363.09, 3857377.25	1.47E-05	2.32E-09	8.09E-10	1.81E-05	2.84E-09	9.91E-10	1.58E-05	2.49E-09	8.69E-10
4334	475863.09, 3857377.25	1.38E-05	2.17E-09	7.55E-10	1.68E-05	2.65E-09	9.24E-10	1.48E-05	2.33E-09	8.10E-10
4335	476363.09, 3857377.25	1.86E-05	2.94E-09	1.02E-09	2.28E-05	3.60E-09	1.25E-09	2.00E-05	3.15E-09	1.10E-09
4336	476863.09, 3857377.25	2.03E-05	3.19E-09	1.11E-09	2.48E-05	3.91E-09	1.36E-09	2.18E-05	3.43E-09	1.19E-09

4337	477363.09, 3857377.25	1.77E-05	2.78E-09	9.69E-10	2.16E-05	3.41E-09	1.19E-09	1.90E-05	2.99E-09	1.04E-09
4338	477863.09, 3857377.25	1.30E-05	2.04E-09	7.11E-10	1.59E-05	2.50E-09	8.71E-10	1.39E-05	2.19E-09	7.64E-10
4339	478363.09, 3857377.25	9.78E-06	1.54E-09	5.37E-10	1.20E-05	1.89E-09	6.57E-10	1.05E-05	1.65E-09	5.77E-10
4340	478863.09, 3857377.25	8.38E-06	1.32E-09	4.60E-10	1.03E-05	1.62E-09	5.64E-10	9.01E-06	1.42E-09	4.94E-10
4341	479363.09, 3857377.25	1.42E-05	2.24E-09	7.81E-10	1.74E-05	2.75E-09	9.57E-10	1.53E-05	2.41E-09	8.39E-10
4342	479863.09, 3857377.25	4.48E-05	7.06E-09	2.46E-09	5.49E-05	8.65E-09	3.02E-09	4.82E-05	7.59E-09	2.64E-09
4343	480363.09, 3857377.25	3.60E-05	5.68E-09	1.98E-09	4.41E-05	6.95E-09	2.42E-09	3.87E-05	6.10E-09	2.12E-09
4344	480863.09, 3857377.25	1.07E-04	1.69E-08	5.88E-09	1.31E-04	2.07E-08	7.21E-09	1.15E-04	1.81E-08	6.32E-09
4345	481363.09, 3857377.25	1.22E-04	1.92E-08	6.69E-09	1.49E-04	2.35E-08	8.19E-09	1.31E-04	2.06E-08	7.18E-09
4346	481863.09, 3857377.25	1.47E-04	2.31E-08	8.05E-09	1.80E-04	2.83E-08	9.86E-09	1.58E-04	2.48E-08	8.65E-09
4347	482363.09, 3857377.25	1.67E-04	2.62E-08	9.14E-09	2.04E-04	3.21E-08	1.12E-08	1.79E-04	2.82E-08	9.82E-09
4348	482863.09, 3857377.25	1.87E-04	2.95E-08	1.03E-08	2.30E-04	3.62E-08	1.26E-08	2.01E-04	3.17E-08	1.11E-08
4349	483363.09, 3857377.25	2.17E-04	3.42E-08	1.19E-08	2.66E-04	4.18E-08	1.46E-08	2.33E-04	3.67E-08	1.28E-08
4350	483863.09, 3857377.25	2.57E-04	4.04E-08	1.41E-08	3.14E-04	4.95E-08	1.72E-08	2.76E-04	4.35E-08	1.51E-08
4351	484363.09, 3857377.25	3.04E-04	4.79E-08	1.67E-08	3.73E-04	5.87E-08	2.05E-08	3.27E-04	5.16E-08	1.80E-08
4352	484863.09, 3857377.25	3.70E-04	5.83E-08	2.03E-08	4.54E-04	7.14E-08	2.49E-08	3.98E-04	6.27E-08	2.19E-08
4353	485363.09, 3857377.25	4.65E-04	7.33E-08	2.55E-08	5.70E-04	8.97E-08	3.13E-08	5.00E-04	7.88E-08	2.74E-08
4354	485863.09, 3857377.25	6.22E-04	9.81E-08	3.42E-08	7.62E-04	1.20E-07	4.18E-08	6.69E-04	1.05E-07	3.67E-08
4355	486363.09, 3857377.25	1.02E-03	1.61E-07	5.62E-08	1.25E-03	1.98E-07	6.88E-08	1.10E-03	1.73E-07	6.03E-08
4356	486863.09, 3857377.25	3.32E-03	5.23E-07	1.82E-07	4.07E-03	6.41E-07	2.23E-07	3.55E-03	5.59E-07	1.95E-07
4357	487363.09, 3857377.25	6.20E-03	9.77E-07	3.40E-07	7.60E-03	1.20E-06	4.17E-07	6.46E-03	1.02E-06	3.55E-07
4358	487863.09, 3857377.25	2.42E-03	3.81E-07	1.33E-07	2.96E-03	4.67E-07	1.63E-07	2.56E-03	4.03E-07	1.41E-07
4359	488363.09, 3857377.25	1.58E-03	2.49E-07	8.68E-08	1.94E-03	3.05E-07	1.06E-07	1.68E-03	2.65E-07	9.24E-08
4360	488863.09, 3857377.25	1.17E-03	1.84E-07	6.42E-08	1.43E-03	2.26E-07	7.86E-08	1.25E-03	1.97E-07	6.86E-08
4361	489363.09, 3857377.25	9.23E-04	1.45E-07	5.06E-08	1.13E-03	1.78E-07	6.20E-08	9.87E-04	1.55E-07	5.42E-08
4362	489863.09, 3857377.25	7.60E-04	1.20E-07	4.17E-08	9.31E-04	1.47E-07	5.11E-08	8.14E-04	1.28E-07	4.47E-08
4363	490363.09, 3857377.25	6.41E-04	1.01E-07	3.52E-08	7.85E-04	1.24E-07	4.31E-08	6.86E-04	1.08E-07	3.77E-08
4364	490863.09, 3857377.25	5.51E-04	8.68E-08	3.02E-08	6.74E-04	1.06E-07	3.70E-08	5.90E-04	9.30E-08	3.24E-08
4365	491363.09, 3857377.25	4.80E-04	7.56E-08	2.63E-08	5.88E-04	9.26E-08	3.22E-08	5.14E-04	8.10E-08	2.82E-08
4366	491863.09, 3857377.25	4.20E-04	6.61E-08	2.30E-08	5.14E-04	8.10E-08	2.82E-08	4.50E-04	7.09E-08	2.47E-08
4367	492363.09, 3857377.25	3.27E-04	5.16E-08	1.80E-08	4.01E-04	6.32E-08	2.20E-08	3.51E-04	5.53E-08	1.93E-08
4368	492863.09, 3857377.25	2.27E-04	3.57E-08	1.24E-08	2.78E-04	4.37E-08	1.52E-08	2.43E-04	3.83E-08	1.33E-08
4369	493363.09, 3857377.25	1.51E-04	2.38E-08	8.30E-09	1.85E-04	2.92E-08	1.02E-08	1.62E-04	2.56E-08	8.90E-09
4370	493863.09, 3857377.25	1.22E-04	1.92E-08	6.70E-09	1.49E-04	2.35E-08	8.20E-09	1.31E-04	2.06E-08	7.19E-09
4371	494363.09, 3857377.25	9.70E-05	1.53E-08	5.32E-09	1.19E-04	1.87E-08	6.52E-09	1.04E-04	1.64E-08	5.71E-09
4372	494863.09, 3857377.25	8.52E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.73E-09	9.14E-05	1.44E-08	5.02E-09
4373	495363.09, 3857377.25	7.61E-05	1.20E-08	4.18E-09	9.33E-05	1.47E-08	5.12E-09	8.17E-05	1.29E-08	4.49E-09
4374	495863.09, 3857377.25	7.27E-05	1.15E-08	3.99E-09	8.91E-05	1.40E-08	4.89E-09	7.81E-05	1.23E-08	4.28E-09
4375	496363.09, 3857377.25	7.08E-05	1.12E-08	3.89E-09	8.67E-05	1.37E-08	4.76E-09	7.60E-05	1.20E-08	4.17E-09
4376	496863.09, 3857377.25	7.01E-05	1.10E-08	3.85E-09	8.58E-05	1.35E-08	4.71E-09	7.52E-05	1.18E-08	4.13E-09
4377	497363.09, 3857377.25	7.29E-05	1.15E-08	4.00E-09	8.93E-05	1.41E-08	4.90E-09	7.83E-05	1.23E-08	4.29E-09
4378	497863.09, 3857377.25	7.86E-05	1.24E-08	4.32E-09	9.63E-05	1.52E-08	5.29E-09	8.44E-05	1.33E-08	4.63E-09
4379	498363.09, 3857377.25	9.51E-05	1.50E-08	5.22E-09	1.16E-04	1.84E-08	6.39E-09	1.02E-04	1.61E-08	5.60E-09
4380	471363.09, 3857877.25	1.84E-05	2.91E-09	1.01E-09	2.26E-05	3.56E-09	1.24E-09	1.98E-05	3.12E-09	1.09E-09
4381	471863.09, 3857877.25	1.93E-05	3.03E-09	1.06E-09	2.36E-05	3.72E-09	1.30E-09	2.07E-05	3.26E-09	1.14E-09
4382	472363.09, 3857877.25	2.05E-05	3.22E-09	1.12E-09	2.51E-05	3.95E-09	1.38E-09	2.20E-05	3.46E-09	1.21E-09
4383	472863.09, 3857877.25	2.22E-05	3.50E-09	1.22E-09	2.72E-05	4.29E-09	1.49E-09	2.39E-05	3.76E-09	1.31E-09
4384	473363.09, 3857877.25	2.37E-05	3.74E-09	1.30E-09	2.91E-05	4.58E-09	1.60E-09	2.55E-05	4.02E-09	1.40E-09
4385	473863.09, 3857877.25	2.59E-05	4.07E-09	1.42E-09	3.17E-05	4.99E-09	1.74E-09	2.78E-05	4.38E-09	1.52E-09
4386	474363.09, 3857877.25	2.53E-05	3.98E-09	1.39E-09	3.10E-05	4.88E-09	1.70E-09	2.71E-05	4.28E-09	1.49E-09
4387	474863.09, 3857877.25	2.00E-05	3.15E-09	1.10E-09	2.45E-05	3.86E-09	1.34E-09	2.15E-05	3.38E-09	1.18E-09
4388	475363.09, 3857877.25	1.10E-05	1.74E-09	6.05E-10	1.35E-05	2.13E-09	7.41E-10	1.18E-05	1.87E-09	6.50E-10
4389	475863.09, 3857877.25	4.90E-06	7.72E-10	2.69E-10	6.00E-06	9.45E-10	3.29E-10	5.26E-06	8.29E-10	2.89E-10
4390	476363.09, 3857877.25	1.28E-05	2.02E-09	7.02E-10	1.57E-05	2.47E-09	8.60E-10	1.37E-05	2.17E-09	7.54E-10
4391	476863.09, 3857877.25	1.64E-05	2.58E-09	9.00E-10	2.01E-05	3.17E-09	1.10E-09	1.76E-05	2.78E-09	9.67E-10
4392	477363.09, 3857877.25	1.61E-05	2.54E-09	8.83E-10	1.97E-05	3.11E-09	1.08E-09	1.73E-05	2.72E-09	9.49E-10
4393	477863.09, 3857877.25	1.55E-05	2.45E-09	8.53E-10	1.90E-05	3.00E-09	1.04E-09	1.67E-05	2.63E-09	9.16E-10
4394	478363.09, 3857877.25	8.25E-06	1.30E-09	4.53E-10	1.01E-05	1.59E-09	5.55E-10	8.86E-06	1.40E-09	4.86E-10
4395	478863.09, 3857877.25	6.73E-06	1.06E-09	3.70E-10	8.25E-06	1.30E-09	4.53E-10	7.23E-06	1.14E-09	3.97E-10
4396	479363.09, 3857877.25	4.01E-05	6.32E-09	2.20E-09	4.92E-05	7.75E-09	2.70E-09	4.31E-05	6.79E-09	2.37E-09
4397	479863.09, 3857877.25	7.23E-05	1.14E-08	3.97E-09	8.86E-05	1.40E-08	4.86E-09	7.77E-05	1.22E-08	4.26E-09
4398	480363.09, 3857877.25	8.69E-05	1.37E-08	4.77E-09	1.06E-04	1.68E-08	5.84E-09	9.34E-05	1.47E-08	5.13E-09

4399	480863.09, 3857877.25	9.83E-05	1.55E-08	5.40E-09	1.20E-04	1.90E-08	6.61E-09	1.06E-04	1.66E-08	5.80E-09
4400	481363.09, 3857877.25	1.12E-04	1.76E-08	6.13E-09	1.37E-04	2.16E-08	7.51E-09	1.20E-04	1.89E-08	6.59E-09
4401	481863.09, 3857877.25	1.30E-04	2.05E-08	7.14E-09	1.59E-04	2.51E-08	8.75E-09	1.40E-04	2.20E-08	7.68E-09
4402	482363.09, 3857877.25	1.51E-04	2.37E-08	8.27E-09	1.85E-04	2.91E-08	1.01E-08	1.62E-04	2.55E-08	8.88E-09
4403	482863.09, 3857877.25	1.61E-04	2.54E-08	8.85E-09	1.98E-04	3.11E-08	1.08E-08	1.73E-04	2.73E-08	9.51E-09
4404	483363.09, 3857877.25	1.82E-04	2.87E-08	1.00E-08	2.24E-04	3.52E-08	1.23E-08	1.96E-04	3.09E-08	1.08E-08
4405	483863.09, 3857877.25	2.10E-04	3.31E-08	1.15E-08	2.57E-04	4.05E-08	1.41E-08	2.26E-04	3.56E-08	1.24E-08
4406	484363.09, 3857877.25	2.41E-04	3.80E-08	1.32E-08	2.96E-04	4.66E-08	1.62E-08	2.59E-04	4.09E-08	1.42E-08
4407	484863.09, 3857877.25	2.82E-04	4.44E-08	1.55E-08	3.45E-04	5.43E-08	1.89E-08	3.03E-04	4.77E-08	1.66E-08
4408	485363.09, 3857877.25	3.34E-04	5.26E-08	1.83E-08	4.09E-04	6.45E-08	2.25E-08	3.59E-04	5.65E-08	1.97E-08
4409	485863.09, 3857877.25	4.09E-04	6.44E-08	2.24E-08	5.01E-04	7.89E-08	2.75E-08	4.39E-04	6.91E-08	2.41E-08
4410	486363.09, 3857877.25	5.26E-04	8.28E-08	2.89E-08	6.44E-04	1.01E-07	3.53E-08	5.64E-04	8.88E-08	3.09E-08
4411	486863.09, 3857877.25	7.58E-04	1.19E-07	4.16E-08	9.28E-04	1.46E-07	5.09E-08	8.11E-04	1.28E-07	4.45E-08
4412	487363.09, 3857877.25	1.72E-03	2.71E-07	9.44E-08	2.11E-03	3.32E-07	1.16E-07	1.85E-03	2.91E-07	1.01E-07
4413	487863.09, 3857877.25	2.83E-03	4.45E-07	1.55E-07	3.46E-03	5.45E-07	1.90E-07	3.04E-03	4.79E-07	1.67E-07
4414	488363.09, 3857877.25	1.43E-03	2.25E-07	7.84E-08	1.75E-03	2.76E-07	9.60E-08	1.53E-03	2.42E-07	8.42E-08
4415	488863.09, 3857877.25	1.02E-03	1.60E-07	5.58E-08	1.25E-03	1.96E-07	6.84E-08	1.09E-03	1.72E-07	5.99E-08
4416	489363.09, 3857877.25	8.13E-04	1.28E-07	4.46E-08	9.96E-04	1.57E-07	5.47E-08	8.72E-04	1.37E-07	4.78E-08
4417	489863.09, 3857877.25	6.77E-04	1.07E-07	3.71E-08	8.29E-04	1.31E-07	4.55E-08	7.25E-04	1.14E-07	3.98E-08
4418	490363.09, 3857877.25	5.76E-04	9.07E-08	3.16E-08	7.05E-04	1.11E-07	3.87E-08	6.17E-04	9.72E-08	3.39E-08
4419	490863.09, 3857877.25	4.97E-04	7.83E-08	2.73E-08	6.08E-04	9.59E-08	3.34E-08	5.33E-04	8.39E-08	2.92E-08
4420	491363.09, 3857877.25	4.29E-04	6.77E-08	2.36E-08	5.26E-04	8.29E-08	2.89E-08	4.61E-04	7.26E-08	2.53E-08
4421	491863.09, 3857877.25	3.65E-04	5.76E-08	2.01E-08	4.48E-04	7.05E-08	2.46E-08	3.92E-04	6.18E-08	2.15E-08
4422	492363.09, 3857877.25	2.65E-04	4.17E-08	1.45E-08	3.24E-04	5.11E-08	1.78E-08	2.84E-04	4.47E-08	1.56E-08
4423	492863.09, 3857877.25	1.77E-04	2.79E-08	9.72E-09	2.17E-04	3.42E-08	1.19E-08	1.90E-04	2.99E-08	1.04E-08
4424	493363.09, 3857877.25	1.42E-04	2.24E-08	7.80E-09	1.74E-04	2.74E-08	9.56E-09	1.53E-04	2.40E-08	8.38E-09
4425	493863.09, 3857877.25	1.24E-04	1.95E-08	6.79E-09	1.52E-04	2.39E-08	8.32E-09	1.33E-04	2.09E-08	7.29E-09
4426	494363.09, 3857877.25	1.11E-04	1.74E-08	6.08E-09	1.36E-04	2.14E-08	7.44E-09	1.19E-04	1.87E-08	6.52E-09
4427	494863.09, 3857877.25	9.29E-05	1.46E-08	5.10E-09	1.14E-04	1.79E-08	6.25E-09	9.98E-05	1.57E-08	5.47E-09
4428	495363.09, 3857877.25	8.61E-05	1.36E-08	4.73E-09	1.05E-04	1.66E-08	5.79E-09	9.24E-05	1.46E-08	5.07E-09
4429	495863.09, 3857877.25	8.04E-05	1.27E-08	4.41E-09	9.84E-05	1.55E-08	5.40E-09	8.63E-05	1.36E-08	4.73E-09
4430	496363.09, 3857877.25	7.99E-05	1.26E-08	4.38E-09	9.78E-05	1.54E-08	5.37E-09	8.57E-05	1.35E-08	4.70E-09
4431	496863.09, 3857877.25	7.96E-05	1.25E-08	4.37E-09	9.74E-05	1.53E-08	5.35E-09	8.54E-05	1.35E-08	4.69E-09
4432	497363.09, 3857877.25	7.78E-05	1.23E-08	4.27E-09	9.53E-05	1.50E-08	5.23E-09	8.36E-05	1.32E-08	4.59E-09
4433	497863.09, 3857877.25	8.83E-05	1.39E-08	4.84E-09	1.08E-04	1.70E-08	5.93E-09	9.47E-05	1.49E-08	5.20E-09
4434	498363.09, 3857877.25	9.82E-05	1.55E-08	5.39E-09	1.20E-04	1.89E-08	6.60E-09	1.05E-04	1.66E-08	5.78E-09
4435	471363.09, 3858377.25	1.90E-05	2.99E-09	1.04E-09	2.33E-05	3.66E-09	1.28E-09	2.04E-05	3.21E-09	1.12E-09
4436	471863.09, 3858377.25	1.99E-05	3.14E-09	1.09E-09	2.44E-05	3.84E-09	1.34E-09	2.14E-05	3.37E-09	1.17E-09
4437	472363.09, 3858377.25	2.10E-05	3.30E-09	1.15E-09	2.57E-05	4.05E-09	1.41E-09	2.25E-05	3.55E-09	1.24E-09
4438	472863.09, 3858377.25	2.26E-05	3.56E-09	1.24E-09	2.77E-05	4.36E-09	1.52E-09	2.42E-05	3.82E-09	1.33E-09
4439	473363.09, 3858377.25	2.51E-05	3.95E-09	1.38E-09	3.07E-05	4.84E-09	1.69E-09	2.69E-05	4.24E-09	1.48E-09
4440	473863.09, 3858377.25	2.62E-05	4.13E-09	1.44E-09	3.21E-05	5.06E-09	1.76E-09	2.81E-05	4.43E-09	1.54E-09
4441	474363.09, 3858377.25	2.49E-05	3.92E-09	1.37E-09	3.05E-05	4.80E-09	1.67E-09	2.67E-05	4.21E-09	1.47E-09
4442	474863.09, 3858377.25	2.10E-05	3.30E-09	1.15E-09	2.57E-05	4.04E-09	1.41E-09	2.25E-05	3.54E-09	1.23E-09
4443	475363.09, 3858377.25	1.39E-05	2.19E-09	7.62E-10	1.70E-05	2.68E-09	9.34E-10	1.49E-05	2.35E-09	8.19E-10
4444	475863.09, 3858377.25	9.62E-06	1.52E-09	5.28E-10	1.18E-05	1.86E-09	6.47E-10	1.03E-05	1.63E-09	5.67E-10
4445	476363.09, 3858377.25	1.06E-05	1.68E-09	5.84E-10	1.30E-05	2.05E-09	7.15E-10	1.14E-05	1.80E-09	6.27E-10
4446	476863.09, 3858377.25	1.20E-05	1.89E-09	6.60E-10	1.47E-05	2.32E-09	8.08E-10	1.29E-05	2.03E-09	7.09E-10
4447	477363.09, 3858377.25	1.14E-05	1.79E-09	6.25E-10	1.40E-05	2.20E-09	7.66E-10	1.22E-05	1.93E-09	6.71E-10
4448	477863.09, 3858377.25	1.61E-05	2.54E-09	8.86E-10	1.98E-05	3.12E-09	1.09E-09	1.73E-05	2.73E-09	9.52E-10
4449	478363.09, 3858377.25	1.76E-05	2.78E-09	9.67E-10	2.16E-05	3.40E-09	1.19E-09	1.89E-05	2.98E-09	1.04E-09
4450	478863.09, 3858377.25	1.14E-05	1.80E-09	6.26E-10	1.40E-05	2.20E-09	7.67E-10	1.23E-05	1.93E-09	6.73E-10
4451	479363.09, 3858377.25	4.17E-05	6.57E-09	2.29E-09	5.11E-05	8.05E-09	2.81E-09	4.48E-05	7.06E-09	2.46E-09
4452	479863.09, 3858377.25	7.09E-05	1.12E-08	3.89E-09	8.69E-05	1.37E-08	4.77E-09	7.62E-05	1.20E-08	4.18E-09
4453	480363.09, 3858377.25	8.23E-05	1.30E-08	4.52E-09	1.01E-04	1.59E-08	5.53E-09	8.84E-05	1.39E-08	4.85E-09
4454	480863.09, 3858377.25	9.15E-05	1.44E-08	5.02E-09	1.12E-04	1.77E-08	6.15E-09	9.83E-05	1.55E-08	5.40E-09
4455	481363.09, 3858377.25	1.03E-04	1.62E-08	5.66E-09	1.26E-04	1.99E-08	6.93E-09	1.11E-04	1.75E-08	6.08E-09
4456	481863.09, 3858377.25	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.82E-09	1.25E-04	1.97E-08	6.86E-09
4457	482363.09, 3858377.25	1.32E-04	2.08E-08	7.26E-09	1.62E-04	2.55E-08	8.89E-09	1.42E-04	2.24E-08	7.80E-09
4458	482863.09, 3858377.25	1.48E-04	2.33E-08	8.13E-09	1.82E-04	2.86E-08	9.96E-09	1.59E-04	2.51E-08	8.74E-09
4459	483363.09, 3858377.25	1.58E-04	2.48E-08	8.65E-09	1.93E-04	3.04E-08	1.06E-08	1.69E-04	2.67E-08	9.29E-09
4460	483863.09, 3858377.25	1.73E-04	2.72E-08	9.48E-09	2.12E-04	3.33E-08	1.16E-08	1.86E-04	2.92E-08	1.02E-08

4461	484363.09, 3858377.25	1.95E-04	3.07E-08	1.07E-08	2.39E-04	3.76E-08	1.31E-08	2.09E-04	3.30E-08	1.15E-08
4462	484863.09, 3858377.25	2.20E-04	3.46E-08	1.21E-08	2.69E-04	4.24E-08	1.48E-08	2.36E-04	3.72E-08	1.29E-08
4463	485363.09, 3858377.25	2.49E-04	3.92E-08	1.36E-08	3.04E-04	4.80E-08	1.67E-08	2.67E-04	4.20E-08	1.46E-08
4464	485863.09, 3858377.25	2.86E-04	4.51E-08	1.57E-08	3.50E-04	5.52E-08	1.92E-08	3.07E-04	4.84E-08	1.69E-08
4465	486363.09, 3858377.25	3.35E-04	5.28E-08	1.84E-08	4.11E-04	6.47E-08	2.25E-08	3.60E-04	5.67E-08	1.97E-08
4466	486863.09, 3858377.25	3.98E-04	6.27E-08	2.19E-08	4.88E-04	7.68E-08	2.68E-08	4.27E-04	6.73E-08	2.35E-08
4467	487363.09, 3858377.25	5.07E-04	7.99E-08	2.78E-08	6.21E-04	9.79E-08	3.41E-08	5.45E-04	8.59E-08	2.99E-08
4468	487863.09, 3858377.25	8.55E-04	1.35E-07	4.69E-08	1.05E-03	1.65E-07	5.75E-08	9.21E-04	1.45E-07	5.05E-08
4469	488363.09, 3858377.25	2.16E-03	3.40E-07	1.19E-07	2.65E-03	4.17E-07	1.45E-07	2.33E-03	3.67E-07	1.28E-07
4470	488863.09, 3858377.25	1.00E-03	1.58E-07	5.51E-08	1.23E-03	1.94E-07	6.74E-08	1.08E-03	1.70E-07	5.93E-08
4471	489363.09, 3858377.25	7.31E-04	1.15E-07	4.01E-08	8.96E-04	1.41E-07	4.92E-08	7.86E-04	1.24E-07	4.32E-08
4472	489863.09, 3858377.25	5.92E-04	9.33E-08	3.25E-08	7.26E-04	1.14E-07	3.98E-08	6.37E-04	1.00E-07	3.49E-08
4473	490363.09, 3858377.25	4.97E-04	7.83E-08	2.73E-08	6.08E-04	9.58E-08	3.34E-08	5.34E-04	8.40E-08	2.93E-08
4474	490863.09, 3858377.25	4.26E-04	6.72E-08	2.34E-08	5.22E-04	8.23E-08	2.87E-08	4.58E-04	7.21E-08	2.51E-08
4475	491363.09, 3858377.25	3.66E-04	5.76E-08	2.01E-08	4.48E-04	7.06E-08	2.46E-08	3.92E-04	6.18E-08	2.15E-08
4476	491863.09, 3858377.25	2.89E-04	4.55E-08	1.59E-08	3.54E-04	5.58E-08	1.94E-08	3.10E-04	4.89E-08	1.70E-08
4477	492363.09, 3858377.25	1.89E-04	2.98E-08	1.04E-08	2.32E-04	3.65E-08	1.27E-08	2.03E-04	3.20E-08	1.11E-08
4478	492863.09, 3858377.25	1.95E-04	3.07E-08	1.07E-08	2.39E-04	3.76E-08	1.31E-08	2.09E-04	3.30E-08	1.15E-08
4479	493363.09, 3858377.25	1.62E-04	2.55E-08	8.88E-09	1.98E-04	3.12E-08	1.09E-08	1.74E-04	2.73E-08	9.53E-09
4480	493863.09, 3858377.25	1.44E-04	2.27E-08	7.90E-09	1.76E-04	2.78E-08	9.67E-09	1.54E-04	2.43E-08	8.47E-09
4481	494363.09, 3858377.25	1.25E-04	1.97E-08	6.88E-09	1.53E-04	2.42E-08	8.42E-09	1.34E-04	2.12E-08	7.38E-09
4482	494863.09, 3858377.25	1.11E-04	1.74E-08	6.07E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
4483	495363.09, 3858377.25	9.53E-05	1.50E-08	5.23E-09	1.17E-04	1.84E-08	6.40E-09	1.02E-04	1.61E-08	5.61E-09
4484	495863.09, 3858377.25	9.14E-05	1.44E-08	5.02E-09	1.12E-04	1.76E-08	6.15E-09	9.82E-05	1.55E-08	5.39E-09
4485	496363.09, 3858377.25	8.71E-05	1.37E-08	4.78E-09	1.07E-04	1.68E-08	5.85E-09	9.35E-05	1.47E-08	5.13E-09
4486	496863.09, 3858377.25	8.98E-05	1.41E-08	4.93E-09	1.10E-04	1.73E-08	6.03E-09	9.64E-05	1.52E-08	5.29E-09
4487	497363.09, 3858377.25	8.88E-05	1.40E-08	4.88E-09	1.09E-04	1.71E-08	5.97E-09	9.54E-05	1.50E-08	5.23E-09
4488	497863.09, 3858377.25	9.65E-05	1.52E-08	5.30E-09	1.18E-04	1.86E-08	6.49E-09	1.04E-04	1.63E-08	5.69E-09
4489	498363.09, 3858377.25	1.06E-04	1.67E-08	5.81E-09	1.30E-04	2.04E-08	7.12E-09	1.14E-04	1.79E-08	6.24E-09
4490	471363.09, 3858877.25	1.93E-05	3.03E-09	1.06E-09	2.36E-05	3.71E-09	1.29E-09	2.07E-05	3.26E-09	1.13E-09
4491	471863.09, 3858877.25	2.02E-05	3.18E-09	1.11E-09	2.47E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
4492	472363.09, 3858877.25	2.18E-05	3.44E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.34E-05	3.69E-09	1.29E-09
4493	472863.09, 3858877.25	2.34E-05	3.69E-09	1.28E-09	2.87E-05	4.52E-09	1.57E-09	2.51E-05	3.96E-09	1.38E-09
4494	473363.09, 3858877.25	2.54E-05	4.01E-09	1.40E-09	3.11E-05	4.91E-09	1.71E-09	2.73E-05	4.30E-09	1.50E-09
4495	473863.09, 3858877.25	2.66E-05	4.18E-09	1.46E-09	3.25E-05	5.13E-09	1.79E-09	2.85E-05	4.49E-09	1.57E-09
4496	474363.09, 3858877.25	2.59E-05	4.08E-09	1.42E-09	3.17E-05	5.00E-09	1.74E-09	2.78E-05	4.38E-09	1.53E-09
4497	474863.09, 3858877.25	1.33E-05	2.10E-09	7.30E-10	1.63E-05	2.57E-09	8.95E-10	1.43E-05	2.25E-09	7.84E-10
4498	475363.09, 3858877.25	9.51E-06	1.50E-09	5.22E-10	1.17E-05	1.84E-09	6.40E-10	1.02E-05	1.61E-09	5.61E-10
4499	475863.09, 3858877.25	1.12E-05	1.77E-09	6.17E-10	1.38E-05	2.17E-09	7.55E-10	1.21E-05	1.90E-09	6.62E-10
4500	476363.09, 3858877.25	6.75E-06	1.06E-09	3.70E-10	8.27E-06	1.30E-09	4.54E-10	7.25E-06	1.14E-09	3.98E-10
4501	476863.09, 3858877.25	8.86E-06	1.40E-09	4.86E-10	1.09E-05	1.71E-09	5.96E-10	9.52E-06	1.50E-09	5.22E-10
4502	477363.09, 3858877.25	9.19E-06	1.45E-09	5.04E-10	1.13E-05	1.77E-09	6.18E-10	9.87E-06	1.55E-09	5.42E-10
4503	477863.09, 3858877.25	1.19E-05	1.88E-09	6.53E-10	1.46E-05	2.30E-09	8.00E-10	1.28E-05	2.01E-09	7.02E-10
4504	478363.09, 3858877.25	2.72E-05	4.28E-09	1.49E-09	3.33E-05	5.24E-09	1.83E-09	2.92E-05	4.60E-09	1.60E-09
4505	478863.09, 3858877.25	2.29E-05	3.61E-09	1.26E-09	2.81E-05	4.42E-09	1.54E-09	2.46E-05	3.88E-09	1.35E-09
4506	479363.09, 3858877.25	1.81E-05	2.86E-09	9.96E-10	2.22E-05	3.50E-09	1.22E-09	1.95E-05	3.07E-09	1.07E-09
4507	479863.09, 3858877.25	6.77E-05	1.07E-08	3.72E-09	8.29E-05	1.31E-08	4.55E-09	7.28E-05	1.15E-08	3.99E-09
4508	480363.09, 3858877.25	7.61E-05	1.20E-08	4.17E-09	9.32E-05	1.47E-08	5.11E-09	8.17E-05	1.29E-08	4.49E-09
4509	480863.09, 3858877.25	8.44E-05	1.33E-08	4.63E-09	1.03E-04	1.63E-08	5.68E-09	9.07E-05	1.43E-08	4.98E-09
4510	481363.09, 3858877.25	9.35E-05	1.47E-08	5.13E-09	1.15E-04	1.80E-08	6.29E-09	1.00E-04	1.58E-08	5.51E-09
4511	481863.09, 3858877.25	1.04E-04	1.64E-08	5.72E-09	1.28E-04	2.01E-08	7.01E-09	1.12E-04	1.76E-08	6.14E-09
4512	482363.09, 3858877.25	1.16E-04	1.82E-08	6.34E-09	1.42E-04	2.23E-08	7.77E-09	1.24E-04	1.96E-08	6.81E-09
4513	482863.09, 3858877.25	1.28E-04	2.02E-08	7.04E-09	1.57E-04	2.47E-08	8.62E-09	1.38E-04	2.17E-08	7.56E-09
4514	483363.09, 3858877.25	1.34E-04	2.11E-08	7.33E-09	1.64E-04	2.58E-08	8.98E-09	1.43E-04	2.26E-08	7.88E-09
4515	483863.09, 3858877.25	1.44E-04	2.27E-08	7.90E-09	1.76E-04	2.78E-08	9.68E-09	1.55E-04	2.44E-08	8.48E-09
4516	484363.09, 3858877.25	1.58E-04	2.50E-08	8.70E-09	1.94E-04	3.06E-08	1.07E-08	1.70E-04	2.68E-08	9.34E-09
4517	484863.09, 3858877.25	1.74E-04	2.74E-08	9.53E-09	2.13E-04	3.35E-08	1.17E-08	1.87E-04	2.94E-08	1.02E-08
4518	485363.09, 3858877.25	1.91E-04	3.00E-08	1.05E-08	2.34E-04	3.68E-08	1.28E-08	2.05E-04	3.23E-08	1.12E-08
4519	485863.09, 3858877.25	2.11E-04	3.32E-08	1.16E-08	2.58E-04	4.07E-08	1.42E-08	2.26E-04	3.57E-08	1.24E-08
4520	486363.09, 3858877.25	2.32E-04	3.65E-08	1.27E-08	2.84E-04	4.47E-08	1.56E-08	2.49E-04	3.92E-08	1.36E-08
4521	486863.09, 3858877.25	2.58E-04	4.06E-08	1.41E-08	3.16E-04	4.97E-08	1.73E-08	2.77E-04	4.36E-08	1.52E-08
4522	487363.09, 3858877.25	2.98E-04	4.69E-08	1.64E-08	3.65E-04	5.75E-08	2.00E-08	3.20E-04	5.05E-08	1.76E-08

4523	487863.09, 3858877.25	3.55E-04	5.60E-08	1.95E-08	4.35E-04	6.86E-08	2.39E-08	3.82E-04	6.02E-08	2.10E-08
4524	488363.09, 3858877.25	5.14E-04	8.10E-08	2.82E-08	6.30E-04	9.92E-08	3.46E-08	5.53E-04	8.72E-08	3.04E-08
4525	488863.09, 3858877.25	1.86E-03	2.93E-07	1.02E-07	2.28E-03	3.59E-07	1.25E-07	2.01E-03	3.16E-07	1.10E-07
4526	489363.09, 3858877.25	6.39E-04	1.01E-07	3.51E-08	7.83E-04	1.23E-07	4.30E-08	6.89E-04	1.08E-07	3.78E-08
4527	489863.09, 3858877.25	4.47E-04	7.05E-08	2.46E-08	5.48E-04	8.63E-08	3.01E-08	4.81E-04	7.58E-08	2.64E-08
4528	490363.09, 3858877.25	3.70E-04	5.84E-08	2.03E-08	4.54E-04	7.15E-08	2.49E-08	3.98E-04	6.27E-08	2.19E-08
4529	490863.09, 3858877.25	3.16E-04	4.97E-08	1.73E-08	3.87E-04	6.09E-08	2.12E-08	3.39E-04	5.34E-08	1.86E-08
4530	491363.09, 3858877.25	2.60E-04	4.09E-08	1.43E-08	3.18E-04	5.01E-08	1.75E-08	2.79E-04	4.39E-08	1.53E-08
4531	491863.09, 3858877.25	1.94E-04	3.06E-08	1.06E-08	2.38E-04	3.74E-08	1.30E-08	2.08E-04	3.28E-08	1.14E-08
4532	492363.09, 3858877.25	2.05E-04	3.23E-08	1.13E-08	2.51E-04	3.96E-08	1.38E-08	2.20E-04	3.47E-08	1.21E-08
4533	492863.09, 3858877.25	2.09E-04	3.29E-08	1.15E-08	2.56E-04	4.03E-08	1.40E-08	2.24E-04	3.53E-08	1.23E-08
4534	493363.09, 3858877.25	1.88E-04	2.96E-08	1.03E-08	2.30E-04	3.62E-08	1.26E-08	2.01E-04	3.17E-08	1.11E-08
4535	493863.09, 3858877.25	1.56E-04	2.46E-08	8.56E-09	1.91E-04	3.01E-08	1.05E-08	1.67E-04	2.64E-08	9.18E-09
4536	494363.09, 3858877.25	1.42E-04	2.23E-08	7.78E-09	1.74E-04	2.73E-08	9.53E-09	1.52E-04	2.40E-08	8.35E-09
4537	494863.09, 3858877.25	1.26E-04	1.98E-08	6.89E-09	1.54E-04	2.42E-08	8.44E-09	1.35E-04	2.12E-08	7.40E-09
4538	495363.09, 3858877.25	1.11E-04	1.76E-08	6.11E-09	1.36E-04	2.15E-08	7.49E-09	1.20E-04	1.88E-08	6.56E-09
4539	495863.09, 3858877.25	1.04E-04	1.64E-08	5.71E-09	1.27E-04	2.01E-08	6.99E-09	1.12E-04	1.76E-08	6.13E-09
4540	496363.09, 3858877.25	1.01E-04	1.59E-08	5.54E-09	1.24E-04	1.95E-08	6.79E-09	1.08E-04	1.71E-08	5.95E-09
4541	496863.09, 3858877.25	9.81E-05	1.55E-08	5.39E-09	1.20E-04	1.89E-08	6.60E-09	1.05E-04	1.66E-08	5.78E-09
4542	497363.09, 3858877.25	9.50E-05	1.50E-08	5.22E-09	1.16E-04	1.83E-08	6.39E-09	1.02E-04	1.61E-08	5.60E-09
4543	497863.09, 3858877.25	1.03E-04	1.62E-08	5.64E-09	1.26E-04	1.98E-08	6.91E-09	1.10E-04	1.74E-08	6.05E-09
4544	498363.09, 3858877.25	1.08E-04	1.69E-08	5.90E-09	1.32E-04	2.08E-08	7.23E-09	1.15E-04	1.82E-08	6.34E-09
4545	471363.09, 3859377.25	1.95E-05	3.08E-09	1.07E-09	2.39E-05	3.77E-09	1.31E-09	2.10E-05	3.30E-09	1.15E-09
4546	471863.09, 3859377.25	2.07E-05	3.26E-09	1.14E-09	2.53E-05	3.99E-09	1.39E-09	2.22E-05	3.50E-09	1.22E-09
4547	472363.09, 3859377.25	2.22E-05	3.49E-09	1.22E-09	2.72E-05	4.28E-09	1.49E-09	2.38E-05	3.75E-09	1.31E-09
4548	472863.09, 3859377.25	2.36E-05	3.72E-09	1.30E-09	2.89E-05	4.56E-09	1.59E-09	2.54E-05	3.99E-09	1.39E-09
4549	473363.09, 3859377.25	2.53E-05	3.98E-09	1.39E-09	3.09E-05	4.87E-09	1.70E-09	2.71E-05	4.27E-09	1.49E-09
4550	473863.09, 3859377.25	2.67E-05	4.20E-09	1.46E-09	3.27E-05	5.15E-09	1.79E-09	2.87E-05	4.51E-09	1.57E-09
4551	474363.09, 3859377.25	2.59E-05	4.09E-09	1.42E-09	3.18E-05	5.01E-09	1.74E-09	2.79E-05	4.39E-09	1.53E-09
4552	474863.09, 3859377.25	2.09E-05	3.29E-09	1.15E-09	2.56E-05	4.04E-09	1.41E-09	2.25E-05	3.54E-09	1.23E-09
4553	475363.09, 3859377.25	1.39E-05	2.19E-09	7.62E-10	1.70E-05	2.68E-09	9.33E-10	1.49E-05	2.35E-09	8.18E-10
4554	475863.09, 3859377.25	8.57E-06	1.35E-09	4.70E-10	1.05E-05	1.65E-09	5.76E-10	9.20E-06	1.45E-09	5.05E-10
4555	476363.09, 3859377.25	7.57E-06	1.19E-09	4.15E-10	9.27E-06	1.46E-09	5.09E-10	8.13E-06	1.28E-09	4.46E-10
4556	476863.09, 3859377.25	6.05E-06	9.54E-10	3.32E-10	7.42E-06	1.17E-09	4.07E-10	6.50E-06	1.02E-09	3.57E-10
4557	477363.09, 3859377.25	6.72E-06	1.06E-09	3.69E-10	8.23E-06	1.30E-09	4.52E-10	7.22E-06	1.14E-09	3.96E-10
4558	477863.09, 3859377.25	1.37E-05	2.15E-09	7.50E-10	1.67E-05	2.64E-09	9.19E-10	1.47E-05	2.31E-09	8.06E-10
4559	478363.09, 3859377.25	2.36E-05	3.72E-09	1.30E-09	2.89E-05	4.56E-09	1.59E-09	2.54E-05	4.00E-09	1.39E-09
4560	478863.09, 3859377.25	3.85E-05	6.06E-09	2.11E-09	4.71E-05	7.42E-09	2.59E-09	4.13E-05	6.51E-09	2.27E-09
4561	479363.09, 3859377.25	5.13E-05	8.08E-09	2.81E-09	6.28E-05	9.89E-09	3.45E-09	5.51E-05	8.68E-09	3.02E-09
4562	479863.09, 3859377.25	6.12E-05	9.64E-09	3.36E-09	7.50E-05	1.18E-08	4.12E-09	6.58E-05	1.04E-08	3.61E-09
4563	480363.09, 3859377.25	6.99E-05	1.10E-08	3.84E-09	8.56E-05	1.35E-08	4.70E-09	7.51E-05	1.18E-08	4.12E-09
4564	480863.09, 3859377.25	7.70E-05	1.21E-08	4.22E-09	9.43E-05	1.48E-08	5.17E-09	8.26E-05	1.30E-08	4.54E-09
4565	481363.09, 3859377.25	8.46E-05	1.33E-08	4.65E-09	1.04E-04	1.63E-08	5.69E-09	9.09E-05	1.43E-08	4.99E-09
4566	481863.09, 3859377.25	9.30E-05	1.47E-08	5.10E-09	1.14E-04	1.79E-08	6.25E-09	9.99E-05	1.57E-08	5.48E-09
4567	482363.09, 3859377.25	1.01E-04	1.60E-08	5.56E-09	1.24E-04	1.96E-08	6.82E-09	1.09E-04	1.71E-08	5.97E-09
4568	482863.09, 3859377.25	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.51E-09
4569	483363.09, 3859377.25	1.18E-04	1.86E-08	6.48E-09	1.45E-04	2.28E-08	7.94E-09	1.27E-04	2.00E-08	6.96E-09
4570	483863.09, 3859377.25	1.20E-04	1.90E-08	6.61E-09	1.48E-04	2.32E-08	8.10E-09	1.29E-04	2.04E-08	7.10E-09
4571	484363.09, 3859377.25	1.30E-04	2.05E-08	7.13E-09	1.59E-04	2.51E-08	8.73E-09	1.40E-04	2.20E-08	7.66E-09
4572	484863.09, 3859377.25	1.40E-04	2.20E-08	7.68E-09	1.71E-04	2.70E-08	9.40E-09	1.50E-04	2.37E-08	8.25E-09
4573	485363.09, 3859377.25	1.50E-04	2.36E-08	8.23E-09	1.84E-04	2.89E-08	1.01E-08	1.61E-04	2.54E-08	8.84E-09
4574	485863.09, 3859377.25	1.60E-04	2.53E-08	8.80E-09	1.96E-04	3.09E-08	1.08E-08	1.72E-04	2.71E-08	9.45E-09
4575	486363.09, 3859377.25	1.71E-04	2.70E-08	9.41E-09	2.10E-04	3.31E-08	1.15E-08	1.84E-04	2.90E-08	1.01E-08
4576	486863.09, 3859377.25	1.81E-04	2.85E-08	9.93E-09	2.22E-04	3.49E-08	1.22E-08	1.94E-04	3.06E-08	1.07E-08
4577	487363.09, 3859377.25	1.92E-04	3.03E-08	1.05E-08	2.35E-04	3.71E-08	1.29E-08	2.06E-04	3.25E-08	1.13E-08
4578	487863.09, 3859377.25	2.11E-04	3.32E-08	1.16E-08	2.58E-04	4.06E-08	1.42E-08	2.26E-04	3.57E-08	1.24E-08
4579	488363.09, 3859377.25	2.29E-04	3.61E-08	1.26E-08	2.81E-04	4.42E-08	1.54E-08	2.46E-04	3.88E-08	1.35E-08
4580	488863.09, 3859377.25	2.41E-04	3.79E-08	1.32E-08	2.95E-04	4.65E-08	1.62E-08	2.59E-04	4.08E-08	1.42E-08
4581	489363.09, 3859377.25	2.44E-04	3.84E-08	1.34E-08	2.99E-04	4.71E-08	1.64E-08	2.62E-04	4.13E-08	1.44E-08
4582	489863.09, 3859377.25	2.36E-04	3.72E-08	1.30E-08	2.89E-04	4.55E-08	1.59E-08	2.54E-04	4.00E-08	1.39E-08
4583	490363.09, 3859377.25	2.29E-04	3.60E-08	1.25E-08	2.80E-04	4.41E-08	1.54E-08	2.46E-04	3.87E-08	1.35E-08
4584	490863.09, 3859377.25	2.16E-04	3.41E-08	1.19E-08	2.65E-04	4.17E-08	1.45E-08	2.32E-04	3.66E-08	1.27E-08

4585	491363.09, 3859377.25	1.86E-04	2.93E-08	1.02E-08	2.28E-04	3.58E-08	1.25E-08	1.99E-04	3.14E-08	1.09E-08
4586	491863.09, 3859377.25	1.96E-04	3.09E-08	1.08E-08	2.40E-04	3.78E-08	1.32E-08	2.11E-04	3.32E-08	1.16E-08
4587	492363.09, 3859377.25	1.87E-04	2.95E-08	1.03E-08	2.29E-04	3.61E-08	1.26E-08	2.01E-04	3.16E-08	1.10E-08
4588	492863.09, 3859377.25	1.78E-04	2.80E-08	9.77E-09	2.18E-04	3.43E-08	1.20E-08	1.91E-04	3.01E-08	1.05E-08
4589	493363.09, 3859377.25	1.64E-04	2.59E-08	9.02E-09	2.01E-04	3.17E-08	1.11E-08	1.76E-04	2.78E-08	9.68E-09
4590	493863.09, 3859377.25	1.55E-04	2.45E-08	8.53E-09	1.90E-04	3.00E-08	1.05E-08	1.67E-04	2.63E-08	9.16E-09
4591	494363.09, 3859377.25	1.45E-04	2.28E-08	7.95E-09	1.77E-04	2.79E-08	9.73E-09	1.55E-04	2.45E-08	8.53E-09
4592	494863.09, 3859377.25	1.29E-04	2.03E-08	7.06E-09	1.58E-04	2.48E-08	8.65E-09	1.38E-04	2.18E-08	7.58E-09
4593	495363.09, 3859377.25	1.22E-04	1.92E-08	6.70E-09	1.50E-04	2.36E-08	8.21E-09	1.31E-04	2.06E-08	7.19E-09
4594	495863.09, 3859377.25	1.13E-04	1.78E-08	6.22E-09	1.39E-04	2.19E-08	7.61E-09	1.22E-04	1.92E-08	6.67E-09
4595	496363.09, 3859377.25	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.42E-09	1.19E-04	1.87E-08	6.51E-09
4596	496863.09, 3859377.25	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.74E-09	1.08E-04	1.70E-08	5.91E-09
4597	497363.09, 3859377.25	1.01E-04	1.60E-08	5.57E-09	1.24E-04	1.96E-08	6.82E-09	1.09E-04	1.71E-08	5.97E-09
4598	497863.09, 3859377.25	1.04E-04	1.65E-08	5.73E-09	1.28E-04	2.02E-08	7.02E-09	1.12E-04	1.77E-08	6.15E-09
4599	498363.09, 3859377.25	1.03E-04	1.63E-08	5.68E-09	1.27E-04	2.00E-08	6.96E-09	1.11E-04	1.75E-08	6.10E-09
4600	471363.09, 3859877.25	1.98E-05	3.12E-09	1.09E-09	2.43E-05	3.82E-09	1.33E-09	2.13E-05	3.35E-09	1.17E-09
4601	471863.09, 3859877.25	2.09E-05	3.30E-09	1.15E-09	2.57E-05	4.04E-09	1.41E-09	2.25E-05	3.54E-09	1.23E-09
4602	472363.09, 3859877.25	2.21E-05	3.48E-09	1.21E-09	2.70E-05	4.26E-09	1.48E-09	2.37E-05	3.73E-09	1.30E-09
4603	472863.09, 3859877.25	2.36E-05	3.71E-09	1.29E-09	2.89E-05	4.55E-09	1.58E-09	2.53E-05	3.99E-09	1.39E-09
4604	473363.09, 3859877.25	2.52E-05	3.97E-09	1.38E-09	3.09E-05	4.86E-09	1.69E-09	2.71E-05	4.26E-09	1.49E-09
4605	473863.09, 3859877.25	2.69E-05	4.23E-09	1.47E-09	3.29E-05	5.18E-09	1.81E-09	2.88E-05	4.54E-09	1.58E-09
4606	474363.09, 3859877.25	2.72E-05	4.29E-09	1.49E-09	3.33E-05	5.25E-09	1.83E-09	2.92E-05	4.60E-09	1.60E-09
4607	474863.09, 3859877.25	2.55E-05	4.02E-09	1.40E-09	3.13E-05	4.93E-09	1.72E-09	2.74E-05	4.32E-09	1.50E-09
4608	475363.09, 3859877.25	1.69E-05	2.67E-09	9.30E-10	2.08E-05	3.27E-09	1.14E-09	1.82E-05	2.87E-09	9.99E-10
4609	475863.09, 3859877.25	8.29E-06	1.31E-09	4.55E-10	1.01E-05	1.60E-09	5.57E-10	8.90E-06	1.40E-09	4.88E-10
4610	476363.09, 3859877.25	4.86E-06	7.66E-10	2.67E-10	5.96E-06	9.39E-10	3.27E-10	5.22E-06	8.23E-10	2.87E-10
4611	476863.09, 3859877.25	5.75E-06	9.06E-10	3.16E-10	7.04E-06	1.11E-09	3.87E-10	6.18E-06	9.73E-10	3.39E-10
4612	477363.09, 3859877.25	6.29E-06	9.90E-10	3.45E-10	7.70E-06	1.21E-09	4.23E-10	6.75E-06	1.06E-09	3.70E-10
4613	477863.09, 3859877.25	1.23E-05	1.93E-09	6.73E-10	1.50E-05	2.37E-09	8.25E-10	1.32E-05	2.08E-09	7.23E-10
4614	478363.09, 3859877.25	2.32E-05	3.66E-09	1.28E-09	2.85E-05	4.48E-09	1.56E-09	2.50E-05	3.93E-09	1.37E-09
4615	478863.09, 3859877.25	3.70E-05	5.84E-09	2.03E-09	4.54E-05	7.15E-09	2.49E-09	3.98E-05	6.27E-09	2.18E-09
4616	479363.09, 3859877.25	4.98E-05	7.85E-09	2.73E-09	6.10E-05	9.61E-09	3.35E-09	5.35E-05	8.43E-09	2.94E-09
4617	479863.09, 3859877.25	5.80E-05	9.14E-09	3.18E-09	7.10E-05	1.12E-08	3.90E-09	6.23E-05	9.81E-09	3.42E-09
4618	480363.09, 3859877.25	6.44E-05	1.02E-08	3.54E-09	7.89E-05	1.24E-08	4.33E-09	6.92E-05	1.09E-08	3.80E-09
4619	480863.09, 3859877.25	6.99E-05	1.10E-08	3.84E-09	8.57E-05	1.35E-08	4.70E-09	7.51E-05	1.18E-08	4.12E-09
4620	481363.09, 3859877.25	7.60E-05	1.20E-08	4.17E-09	9.30E-05	1.47E-08	5.11E-09	8.15E-05	1.28E-08	4.48E-09
4621	481863.09, 3859877.25	8.21E-05	1.29E-08	4.50E-09	1.01E-04	1.58E-08	5.52E-09	8.81E-05	1.39E-08	4.83E-09
4622	482363.09, 3859877.25	8.81E-05	1.39E-08	4.84E-09	1.08E-04	1.70E-08	5.93E-09	9.46E-05	1.49E-08	5.19E-09
4623	482863.09, 3859877.25	9.49E-05	1.49E-08	5.21E-09	1.16E-04	1.83E-08	6.38E-09	1.02E-04	1.61E-08	5.59E-09
4624	483363.09, 3859877.25	1.02E-04	1.60E-08	5.57E-09	1.24E-04	1.96E-08	6.82E-09	1.09E-04	1.72E-08	5.99E-09
4625	483863.09, 3859877.25	1.03E-04	1.62E-08	5.65E-09	1.26E-04	1.98E-08	6.91E-09	1.11E-04	1.74E-08	6.07E-09
4626	484363.09, 3859877.25	1.08E-04	1.70E-08	5.92E-09	1.32E-04	2.08E-08	7.25E-09	1.16E-04	1.83E-08	6.36E-09
4627	484863.09, 3859877.25	1.14E-04	1.80E-08	6.28E-09	1.40E-04	2.21E-08	7.69E-09	1.23E-04	1.94E-08	6.75E-09
4628	485363.09, 3859877.25	1.21E-04	1.90E-08	6.64E-09	1.48E-04	2.33E-08	8.13E-09	1.30E-04	2.05E-08	7.13E-09
4629	485863.09, 3859877.25	1.27E-04	2.00E-08	6.96E-09	1.55E-04	2.45E-08	8.52E-09	1.36E-04	2.14E-08	7.47E-09
4630	486363.09, 3859877.25	1.31E-04	2.07E-08	7.20E-09	1.61E-04	2.53E-08	8.82E-09	1.41E-04	2.22E-08	7.73E-09
4631	486863.09, 3859877.25	1.36E-04	2.14E-08	7.46E-09	1.66E-04	2.62E-08	9.13E-09	1.46E-04	2.30E-08	8.01E-09
4632	487363.09, 3859877.25	1.38E-04	2.17E-08	7.57E-09	1.69E-04	2.66E-08	9.27E-09	1.48E-04	2.34E-08	8.14E-09
4633	487863.09, 3859877.25	1.47E-04	2.31E-08	8.05E-09	1.80E-04	2.83E-08	9.86E-09	1.58E-04	2.48E-08	8.65E-09
4634	488363.09, 3859877.25	1.48E-04	2.33E-08	8.12E-09	1.81E-04	2.85E-08	9.94E-09	1.59E-04	2.50E-08	8.72E-09
4635	488863.09, 3859877.25	1.52E-04	2.40E-08	8.34E-09	1.86E-04	2.93E-08	1.02E-08	1.63E-04	2.57E-08	8.96E-09
4636	489363.09, 3859877.25	1.57E-04	2.47E-08	8.60E-09	1.92E-04	3.02E-08	1.05E-08	1.68E-04	2.65E-08	9.23E-09
4637	489863.09, 3859877.25	1.57E-04	2.48E-08	8.63E-09	1.93E-04	3.04E-08	1.06E-08	1.69E-04	2.66E-08	9.27E-09
4638	490363.09, 3859877.25	1.48E-04	2.33E-08	8.12E-09	1.81E-04	2.85E-08	9.94E-09	1.59E-04	2.50E-08	8.72E-09
4639	490863.09, 3859877.25	1.49E-04	2.35E-08	8.17E-09	1.82E-04	2.87E-08	1.00E-08	1.60E-04	2.52E-08	8.78E-09
4640	491363.09, 3859877.25	1.48E-04	2.34E-08	8.15E-09	1.82E-04	2.87E-08	9.98E-09	1.59E-04	2.51E-08	8.75E-09
4641	491863.09, 3859877.25	1.48E-04	2.34E-08	8.15E-09	1.82E-04	2.86E-08	9.98E-09	1.59E-04	2.51E-08	8.75E-09
4642	492363.09, 3859877.25	1.47E-04	2.32E-08	8.07E-09	1.80E-04	2.84E-08	9.88E-09	1.58E-04	2.49E-08	8.66E-09
4643	492863.09, 3859877.25	1.44E-04	2.27E-08	7.89E-09	1.76E-04	2.77E-08	9.67E-09	1.54E-04	2.43E-08	8.47E-09
4644	493363.09, 3859877.25	1.39E-04	2.19E-08	7.63E-09	1.70E-04	2.68E-08	9.35E-09	1.49E-04	2.35E-08	8.19E-09
4645	493863.09, 3859877.25	1.33E-04	2.10E-08	7.32E-09	1.63E-04	2.57E-08	8.97E-09	1.43E-04	2.26E-08	7.86E-09
4646	494363.09, 3859877.25	1.27E-04	2.00E-08	6.97E-09	1.56E-04	2.45E-08	8.54E-09	1.36E-04	2.15E-08	7.48E-09

4647	494863.09, 3859877.25	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.18E-09	1.31E-04	2.06E-08	7.17E-09
4648	495363.09, 3859877.25	1.16E-04	1.83E-08	6.36E-09	1.42E-04	2.24E-08	7.79E-09	1.24E-04	1.96E-08	6.83E-09
4649	495863.09, 3859877.25	1.10E-04	1.74E-08	6.05E-09	1.35E-04	2.13E-08	7.41E-09	1.18E-04	1.86E-08	6.49E-09
4650	496363.09, 3859877.25	1.02E-04	1.61E-08	5.61E-09	1.25E-04	1.97E-08	6.87E-09	1.10E-04	1.73E-08	6.02E-09
4651	496863.09, 3859877.25	8.24E-05	1.30E-08	4.52E-09	1.01E-04	1.59E-08	5.54E-09	8.85E-05	1.39E-08	4.86E-09
4652	497363.09, 3859877.25	9.27E-05	1.46E-08	5.09E-09	1.14E-04	1.79E-08	6.23E-09	9.95E-05	1.57E-08	5.46E-09
4653	497863.09, 3859877.25	9.58E-05	1.51E-08	5.26E-09	1.17E-04	1.85E-08	6.44E-09	1.03E-04	1.62E-08	5.64E-09
4654	498363.09, 3859877.25	9.25E-05	1.46E-08	5.07E-09	1.13E-04	1.78E-08	6.21E-09	9.92E-05	1.56E-08	5.45E-09
4655	471363.09, 3860377.25	1.99E-05	3.13E-09	1.09E-09	2.43E-05	3.83E-09	1.34E-09	2.13E-05	3.36E-09	1.17E-09
4656	471863.09, 3860377.25	2.10E-05	3.30E-09	1.15E-09	2.57E-05	4.05E-09	1.41E-09	2.25E-05	3.55E-09	1.24E-09
4657	472363.09, 3860377.25	2.23E-05	3.51E-09	1.22E-09	2.73E-05	4.29E-09	1.50E-09	2.39E-05	3.77E-09	1.31E-09
4658	472863.09, 3860377.25	2.37E-05	3.74E-09	1.30E-09	2.91E-05	4.58E-09	1.60E-09	2.55E-05	4.02E-09	1.40E-09
4659	473363.09, 3860377.25	2.52E-05	3.98E-09	1.39E-09	3.09E-05	4.87E-09	1.70E-09	2.71E-05	4.27E-09	1.49E-09
4660	473863.09, 3860377.25	2.67E-05	4.20E-09	1.46E-09	3.27E-05	5.15E-09	1.79E-09	2.87E-05	4.52E-09	1.57E-09
4661	474363.09, 3860377.25	2.78E-05	4.38E-09	1.52E-09	3.40E-05	5.36E-09	1.87E-09	2.98E-05	4.70E-09	1.64E-09
4662	474863.09, 3860377.25	2.82E-05	4.44E-09	1.55E-09	3.45E-05	5.44E-09	1.89E-09	3.03E-05	4.77E-09	1.66E-09
4663	475363.09, 3860377.25	2.65E-05	4.18E-09	1.46E-09	3.25E-05	5.12E-09	1.78E-09	2.85E-05	4.49E-09	1.57E-09
4664	475863.09, 3860377.25	2.33E-05	3.67E-09	1.28E-09	2.85E-05	4.50E-09	1.57E-09	2.50E-05	3.94E-09	1.37E-09
4665	476363.09, 3860377.25	1.87E-05	2.95E-09	1.03E-09	2.30E-05	3.62E-09	1.26E-09	2.01E-05	3.17E-09	1.11E-09
4666	476863.09, 3860377.25	1.71E-05	2.69E-09	9.36E-10	2.09E-05	3.29E-09	1.15E-09	1.83E-05	2.89E-09	1.01E-09
4667	477363.09, 3860377.25	9.92E-06	1.56E-09	5.44E-10	1.22E-05	1.91E-09	6.67E-10	1.07E-05	1.68E-09	5.85E-10
4668	477863.09, 3860377.25	1.30E-05	2.05E-09	7.13E-10	1.59E-05	2.51E-09	8.74E-10	1.40E-05	2.20E-09	7.66E-10
4669	478363.09, 3860377.25	2.54E-05	4.00E-09	1.39E-09	3.11E-05	4.90E-09	1.71E-09	2.73E-05	4.30E-09	1.50E-09
4670	478863.09, 3860377.25	3.64E-05	5.74E-09	2.00E-09	4.46E-05	7.03E-09	2.45E-09	3.91E-05	6.16E-09	2.15E-09
4671	479363.09, 3860377.25	4.67E-05	7.36E-09	2.56E-09	5.72E-05	9.02E-09	3.14E-09	5.02E-05	7.91E-09	2.75E-09
4672	479863.09, 3860377.25	5.39E-05	8.49E-09	2.96E-09	6.60E-05	1.04E-08	3.62E-09	5.79E-05	9.12E-09	3.18E-09
4673	480363.09, 3860377.25	5.87E-05	9.24E-09	3.22E-09	7.18E-05	1.13E-08	3.94E-09	6.30E-05	9.92E-09	3.46E-09
4674	480863.09, 3860377.25	6.31E-05	9.93E-09	3.46E-09	7.72E-05	1.22E-08	4.24E-09	6.77E-05	1.07E-08	3.71E-09
4675	481363.09, 3860377.25	6.78E-05	1.07E-08	3.72E-09	8.30E-05	1.31E-08	4.56E-09	7.27E-05	1.15E-08	3.99E-09
4676	481863.09, 3860377.25	7.23E-05	1.14E-08	3.97E-09	8.85E-05	1.39E-08	4.86E-09	7.76E-05	1.22E-08	4.26E-09
4677	482363.09, 3860377.25	7.69E-05	1.21E-08	4.22E-09	9.42E-05	1.48E-08	5.17E-09	8.26E-05	1.30E-08	4.54E-09
4678	482863.09, 3860377.25	8.22E-05	1.29E-08	4.51E-09	1.01E-04	1.59E-08	5.52E-09	8.83E-05	1.39E-08	4.84E-09
4679	483363.09, 3860377.25	8.66E-05	1.36E-08	4.75E-09	1.06E-04	1.67E-08	5.82E-09	9.30E-05	1.47E-08	5.11E-09
4680	483863.09, 3860377.25	9.16E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.16E-09	9.84E-05	1.55E-08	5.40E-09
4681	484363.09, 3860377.25	9.20E-05	1.45E-08	5.05E-09	1.13E-04	1.78E-08	6.19E-09	9.89E-05	1.56E-08	5.43E-09
4682	484863.09, 3860377.25	9.57E-05	1.51E-08	5.25E-09	1.17E-04	1.85E-08	6.43E-09	1.03E-04	1.62E-08	5.64E-09
4683	485363.09, 3860377.25	9.89E-05	1.56E-08	5.43E-09	1.21E-04	1.91E-08	6.65E-09	1.06E-04	1.67E-08	5.83E-09
4684	485863.09, 3860377.25	1.02E-04	1.61E-08	5.60E-09	1.25E-04	1.97E-08	6.86E-09	1.10E-04	1.73E-08	6.01E-09
4685	486363.09, 3860377.25	1.03E-04	1.63E-08	5.68E-09	1.27E-04	2.00E-08	6.95E-09	1.11E-04	1.75E-08	6.09E-09
4686	486863.09, 3860377.25	1.05E-04	1.65E-08	5.74E-09	1.28E-04	2.02E-08	7.03E-09	1.12E-04	1.77E-08	6.17E-09
4687	487363.09, 3860377.25	1.05E-04	1.66E-08	5.79E-09	1.29E-04	2.03E-08	7.09E-09	1.13E-04	1.79E-08	6.22E-09
4688	487863.09, 3860377.25	1.08E-04	1.71E-08	5.95E-09	1.33E-04	2.09E-08	7.29E-09	1.17E-04	1.84E-08	6.40E-09
4689	488363.09, 3860377.25	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.44E-09
4690	488863.09, 3860377.25	1.10E-04	1.74E-08	6.06E-09	1.35E-04	2.13E-08	7.42E-09	1.19E-04	1.87E-08	6.51E-09
4691	489363.09, 3860377.25	1.13E-04	1.77E-08	6.18E-09	1.38E-04	2.17E-08	7.57E-09	1.21E-04	1.91E-08	6.64E-09
4692	489863.09, 3860377.25	1.16E-04	1.82E-08	6.35E-09	1.42E-04	2.23E-08	7.78E-09	1.24E-04	1.96E-08	6.82E-09
4693	490363.09, 3860377.25	1.15E-04	1.82E-08	6.33E-09	1.41E-04	2.23E-08	7.75E-09	1.24E-04	1.95E-08	6.80E-09
4694	490863.09, 3860377.25	1.09E-04	1.72E-08	5.99E-09	1.34E-04	2.11E-08	7.34E-09	1.17E-04	1.85E-08	6.44E-09
4695	491363.09, 3860377.25	1.05E-04	1.65E-08	5.75E-09	1.28E-04	2.02E-08	7.04E-09	1.12E-04	1.77E-08	6.17E-09
4696	491863.09, 3860377.25	1.06E-04	1.66E-08	5.79E-09	1.29E-04	2.04E-08	7.10E-09	1.13E-04	1.79E-08	6.22E-09
4697	492363.09, 3860377.25	1.09E-04	1.72E-08	5.98E-09	1.33E-04	2.10E-08	7.32E-09	1.17E-04	1.84E-08	6.42E-09
4698	492863.09, 3860377.25	1.10E-04	1.73E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.45E-09
4699	493363.09, 3860377.25	1.11E-04	1.75E-08	6.09E-09	1.36E-04	2.14E-08	7.45E-09	1.19E-04	1.88E-08	6.53E-09
4700	493863.09, 3860377.25	1.09E-04	1.71E-08	5.96E-09	1.33E-04	2.10E-08	7.30E-09	1.17E-04	1.84E-08	6.40E-09
4701	494363.09, 3860377.25	1.07E-04	1.68E-08	5.86E-09	1.31E-04	2.06E-08	7.18E-09	1.15E-04	1.81E-08	6.29E-09
4702	494863.09, 3860377.25	1.03E-04	1.62E-08	5.65E-09	1.26E-04	1.99E-08	6.92E-09	1.11E-04	1.74E-08	6.07E-09
4703	495363.09, 3860377.25	9.99E-05	1.57E-08	5.48E-09	1.22E-04	1.93E-08	6.71E-09	1.07E-04	1.69E-08	5.88E-09
4704	495863.09, 3860377.25	9.64E-05	1.52E-08	5.29E-09	1.18E-04	1.86E-08	6.48E-09	1.03E-04	1.63E-08	5.68E-09
4705	496363.09, 3860377.25	9.18E-05	1.45E-08	5.04E-09	1.12E-04	1.77E-08	6.17E-09	9.85E-05	1.55E-08	5.41E-09
4706	496863.09, 3860377.25	8.65E-05	1.36E-08	4.75E-09	1.06E-04	1.67E-08	5.81E-09	9.29E-05	1.46E-08	5.10E-09
4707	497363.09, 3860377.25	7.95E-05	1.25E-08	4.36E-09	9.74E-05	1.53E-08	5.34E-09	8.53E-05	1.34E-08	4.68E-09
4708	497863.09, 3860377.25	8.33E-05	1.31E-08	4.57E-09	1.02E-04	1.61E-08	5.60E-09	8.94E-05	1.41E-08	4.91E-09

4709	498363.09, 3860377.25	8.17E-05	1.29E-08	4.49E-09	1.00E-04	1.58E-08	5.49E-09	8.77E-05	1.38E-08	4.81E-09
4710	471363.09, 3860877.25	1.99E-05	3.14E-09	1.09E-09	2.44E-05	3.85E-09	1.34E-09	2.14E-05	3.37E-09	1.18E-09
4711	471863.09, 3860877.25	2.11E-05	3.32E-09	1.16E-09	2.58E-05	4.07E-09	1.42E-09	2.26E-05	3.57E-09	1.24E-09
4712	472363.09, 3860877.25	2.23E-05	3.51E-09	1.22E-09	2.73E-05	4.30E-09	1.50E-09	2.39E-05	3.77E-09	1.31E-09
4713	472863.09, 3860877.25	2.35E-05	3.71E-09	1.29E-09	2.88E-05	4.54E-09	1.58E-09	2.53E-05	3.98E-09	1.39E-09
4714	473363.09, 3860877.25	2.48E-05	3.90E-09	1.36E-09	3.03E-05	4.78E-09	1.67E-09	2.66E-05	4.19E-09	1.46E-09
4715	473863.09, 3860877.25	2.59E-05	4.08E-09	1.42E-09	3.17E-05	5.00E-09	1.74E-09	2.78E-05	4.38E-09	1.53E-09
4716	474363.09, 3860877.25	2.71E-05	4.26E-09	1.48E-09	3.31E-05	5.22E-09	1.82E-09	2.91E-05	4.58E-09	1.60E-09
4717	474863.09, 3860877.25	2.83E-05	4.46E-09	1.55E-09	3.47E-05	5.46E-09	1.90E-09	3.04E-05	4.79E-09	1.67E-09
4718	475363.09, 3860877.25	2.91E-05	4.59E-09	1.60E-09	3.57E-05	5.62E-09	1.96E-09	3.13E-05	4.93E-09	1.72E-09
4719	475863.09, 3860877.25	2.93E-05	4.61E-09	1.61E-09	3.58E-05	5.65E-09	1.97E-09	3.14E-05	4.95E-09	1.73E-09
4720	476363.09, 3860877.25	2.81E-05	4.42E-09	1.54E-09	3.44E-05	5.41E-09	1.89E-09	3.01E-05	4.75E-09	1.65E-09
4721	476863.09, 3860877.25	2.78E-05	4.38E-09	1.53E-09	3.41E-05	5.37E-09	1.87E-09	2.99E-05	4.70E-09	1.64E-09
4722	477363.09, 3860877.25	2.90E-05	4.57E-09	1.59E-09	3.55E-05	5.60E-09	1.95E-09	3.11E-05	4.91E-09	1.71E-09
4723	477863.09, 3860877.25	2.61E-05	4.11E-09	1.43E-09	3.19E-05	5.03E-09	1.75E-09	2.80E-05	4.41E-09	1.54E-09
4724	478363.09, 3860877.25	1.58E-05	2.49E-09	8.66E-10	1.93E-05	3.04E-09	1.06E-09	1.70E-05	2.67E-09	9.30E-10
4725	478863.09, 3860877.25	3.36E-05	5.30E-09	1.85E-09	4.12E-05	6.49E-09	2.26E-09	3.61E-05	5.69E-09	1.98E-09
4726	479363.09, 3860877.25	4.37E-05	6.89E-09	2.40E-09	5.35E-05	8.43E-09	2.94E-09	4.69E-05	7.39E-09	2.58E-09
4727	479863.09, 3860877.25	4.95E-05	7.79E-09	2.72E-09	6.06E-05	9.55E-09	3.33E-09	5.31E-05	8.37E-09	2.91E-09
4728	480363.09, 3860877.25	5.33E-05	8.40E-09	2.93E-09	6.53E-05	1.03E-08	3.58E-09	5.72E-05	9.02E-09	3.14E-09
4729	480863.09, 3860877.25	5.70E-05	8.98E-09	3.13E-09	6.98E-05	1.10E-08	3.83E-09	6.12E-05	9.64E-09	3.36E-09
4730	481363.09, 3860877.25	6.05E-05	9.54E-09	3.32E-09	7.42E-05	1.17E-08	4.07E-09	6.50E-05	1.02E-08	3.57E-09
4731	481863.09, 3860877.25	6.40E-05	1.01E-08	3.51E-09	7.84E-05	1.23E-08	4.30E-09	6.87E-05	1.08E-08	3.77E-09
4732	482363.09, 3860877.25	6.75E-05	1.06E-08	3.70E-09	8.26E-05	1.30E-08	4.53E-09	7.25E-05	1.14E-08	3.98E-09
4733	482863.09, 3860877.25	7.16E-05	1.13E-08	3.93E-09	8.77E-05	1.38E-08	4.82E-09	7.70E-05	1.21E-08	4.22E-09
4734	483363.09, 3860877.25	7.54E-05	1.19E-08	4.14E-09	9.24E-05	1.46E-08	5.07E-09	8.11E-05	1.28E-08	4.45E-09
4735	483863.09, 3860877.25	7.89E-05	1.24E-08	4.33E-09	9.66E-05	1.52E-08	5.30E-09	8.48E-05	1.34E-08	4.65E-09
4736	484363.09, 3860877.25	8.06E-05	1.27E-08	4.42E-09	9.87E-05	1.56E-08	5.42E-09	8.66E-05	1.36E-08	4.75E-09
4737	484863.09, 3860877.25	8.04E-05	1.27E-08	4.41E-09	9.85E-05	1.55E-08	5.40E-09	8.64E-05	1.36E-08	4.74E-09
4738	485363.09, 3860877.25	8.25E-05	1.30E-08	4.53E-09	1.01E-04	1.59E-08	5.54E-09	8.86E-05	1.40E-08	4.86E-09
4739	485863.09, 3860877.25	8.52E-05	1.34E-08	4.68E-09	1.04E-04	1.64E-08	5.73E-09	9.15E-05	1.44E-08	5.02E-09
4740	486363.09, 3860877.25	8.49E-05	1.34E-08	4.66E-09	1.04E-04	1.64E-08	5.71E-09	9.12E-05	1.44E-08	5.01E-09
4741	486863.09, 3860877.25	8.51E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.72E-09	9.14E-05	1.44E-08	5.02E-09
4742	487363.09, 3860877.25	8.47E-05	1.33E-08	4.65E-09	1.04E-04	1.63E-08	5.69E-09	9.10E-05	1.43E-08	4.99E-09
4743	487863.09, 3860877.25	8.44E-05	1.33E-08	4.63E-09	1.03E-04	1.63E-08	5.67E-09	9.06E-05	1.43E-08	4.97E-09
4744	488363.09, 3860877.25	8.72E-05	1.37E-08	4.79E-09	1.07E-04	1.68E-08	5.86E-09	9.37E-05	1.48E-08	5.14E-09
4745	488863.09, 3860877.25	8.56E-05	1.35E-08	4.70E-09	1.05E-04	1.65E-08	5.75E-09	9.19E-05	1.45E-08	5.04E-09
4746	489363.09, 3860877.25	8.87E-05	1.40E-08	4.87E-09	1.09E-04	1.71E-08	5.96E-09	9.53E-05	1.50E-08	5.23E-09
4747	489863.09, 3860877.25	8.76E-05	1.38E-08	4.81E-09	1.07E-04	1.69E-08	5.89E-09	9.41E-05	1.48E-08	5.17E-09
4748	490363.09, 3860877.25	8.92E-05	1.40E-08	4.89E-09	1.09E-04	1.72E-08	5.99E-09	9.58E-05	1.51E-08	5.26E-09
4749	490863.09, 3860877.25	8.99E-05	1.42E-08	4.93E-09	1.10E-04	1.73E-08	6.04E-09	9.65E-05	1.52E-08	5.30E-09
4750	491363.09, 3860877.25	8.61E-05	1.36E-08	4.73E-09	1.06E-04	1.66E-08	5.79E-09	9.25E-05	1.46E-08	5.08E-09
4751	491863.09, 3860877.25	8.24E-05	1.30E-08	4.52E-09	1.01E-04	1.59E-08	5.54E-09	8.85E-05	1.39E-08	4.86E-09
4752	492363.09, 3860877.25	8.01E-05	1.26E-08	4.40E-09	9.81E-05	1.55E-08	5.39E-09	8.60E-05	1.36E-08	4.72E-09
4753	492863.09, 3860877.25	8.17E-05	1.29E-08	4.48E-09	1.00E-04	1.58E-08	5.49E-09	8.77E-05	1.38E-08	4.81E-09
4754	493363.09, 3860877.25	8.48E-05	1.34E-08	4.65E-09	1.04E-04	1.64E-08	5.70E-09	9.10E-05	1.43E-08	5.00E-09
4755	493863.09, 3860877.25	8.55E-05	1.35E-08	4.69E-09	1.05E-04	1.65E-08	5.75E-09	9.18E-05	1.45E-08	5.04E-09
4756	494363.09, 3860877.25	8.57E-05	1.35E-08	4.70E-09	1.05E-04	1.65E-08	5.76E-09	9.20E-05	1.45E-08	5.05E-09
4757	494863.09, 3860877.25	8.54E-05	1.35E-08	4.69E-09	1.05E-04	1.65E-08	5.74E-09	9.17E-05	1.44E-08	5.03E-09
4758	495363.09, 3860877.25	8.42E-05	1.33E-08	4.62E-09	1.03E-04	1.62E-08	5.66E-09	9.04E-05	1.42E-08	4.96E-09
4759	495863.09, 3860877.25	8.19E-05	1.29E-08	4.50E-09	1.00E-04	1.58E-08	5.51E-09	8.79E-05	1.39E-08	4.83E-09
4760	496363.09, 3860877.25	8.05E-05	1.27E-08	4.42E-09	9.86E-05	1.55E-08	5.41E-09	8.64E-05	1.36E-08	4.74E-09
4761	496863.09, 3860877.25	7.85E-05	1.24E-08	4.31E-09	9.62E-05	1.51E-08	5.28E-09	8.43E-05	1.33E-08	4.63E-09
4762	497363.09, 3860877.25	7.62E-05	1.20E-08	4.18E-09	9.34E-05	1.47E-08	5.13E-09	8.18E-05	1.29E-08	4.49E-09
4763	497863.09, 3860877.25	7.41E-05	1.17E-08	4.07E-09	9.07E-05	1.43E-08	4.98E-09	7.95E-05	1.25E-08	4.36E-09
4764	498363.09, 3860877.25	7.19E-05	1.13E-08	3.95E-09	8.81E-05	1.39E-08	4.84E-09	7.72E-05	1.22E-08	4.24E-09
4765	471363.09, 3861377.25	1.99E-05	3.13E-09	1.09E-09	2.43E-05	3.83E-09	1.34E-09	2.13E-05	3.36E-09	1.17E-09
4766	471863.09, 3861377.25	2.09E-05	3.29E-09	1.15E-09	2.56E-05	4.03E-09	1.40E-09	2.24E-05	3.54E-09	1.23E-09
4767	472363.09, 3861377.25	2.19E-05	3.45E-09	1.20E-09	2.68E-05	4.23E-09	1.47E-09	2.35E-05	3.71E-09	1.29E-09
4768	472863.09, 3861377.25	2.30E-05	3.62E-09	1.26E-09	2.81E-05	4.43E-09	1.54E-09	2.47E-05	3.89E-09	1.35E-09
4769	473363.09, 3861377.25	2.40E-05	3.77E-09	1.31E-09	2.93E-05	4.62E-09	1.61E-09	2.57E-05	4.05E-09	1.41E-09
4770	473863.09, 3861377.25	2.49E-05	3.93E-09	1.37E-09	3.06E-05	4.81E-09	1.68E-09	2.68E-05	4.22E-09	1.47E-09

4771	474363.09, 3861377.25	2.61E-05	4.12E-09	1.43E-09	3.20E-05	5.04E-09	1.76E-09	2.81E-05	4.42E-09	1.54E-09
4772	474863.09, 3861377.25	2.73E-05	4.31E-09	1.50E-09	3.35E-05	5.27E-09	1.84E-09	2.94E-05	4.63E-09	1.61E-09
4773	475363.09, 3861377.25	2.87E-05	4.52E-09	1.58E-09	3.52E-05	5.54E-09	1.93E-09	3.08E-05	4.86E-09	1.69E-09
4774	475863.09, 3861377.25	2.99E-05	4.71E-09	1.64E-09	3.66E-05	5.77E-09	2.01E-09	3.21E-05	5.06E-09	1.76E-09
4775	476363.09, 3861377.25	3.08E-05	4.85E-09	1.69E-09	3.77E-05	5.94E-09	2.07E-09	3.30E-05	5.21E-09	1.81E-09
4776	476863.09, 3861377.25	3.16E-05	4.98E-09	1.74E-09	3.87E-05	6.10E-09	2.13E-09	3.40E-05	5.35E-09	1.86E-09
4777	477363.09, 3861377.25	3.25E-05	5.12E-09	1.78E-09	3.98E-05	6.27E-09	2.18E-09	3.49E-05	5.50E-09	1.92E-09
4778	477863.09, 3861377.25	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.73E-09	2.00E-09	3.19E-05	5.03E-09	1.75E-09
4779	478363.09, 3861377.25	1.94E-05	3.05E-09	1.06E-09	2.37E-05	3.74E-09	1.30E-09	2.08E-05	3.28E-09	1.14E-09
4780	478863.09, 3861377.25	2.44E-05	3.85E-09	1.34E-09	2.99E-05	4.72E-09	1.64E-09	2.62E-05	4.13E-09	1.44E-09
4781	479363.09, 3861377.25	3.96E-05	6.24E-09	2.17E-09	4.85E-05	7.64E-09	2.66E-09	4.25E-05	6.69E-09	2.33E-09
4782	479863.09, 3861377.25	4.52E-05	7.11E-09	2.48E-09	5.53E-05	8.71E-09	3.04E-09	4.85E-05	7.64E-09	2.66E-09
4783	480363.09, 3861377.25	4.87E-05	7.67E-09	2.67E-09	5.96E-05	9.39E-09	3.27E-09	5.23E-05	8.23E-09	2.87E-09
4784	480863.09, 3861377.25	5.14E-05	8.09E-09	2.82E-09	6.29E-05	9.91E-09	3.45E-09	5.52E-05	8.69E-09	3.03E-09
4785	481363.09, 3861377.25	5.40E-05	8.51E-09	2.96E-09	6.62E-05	1.04E-08	3.63E-09	5.80E-05	9.14E-09	3.19E-09
4786	481863.09, 3861377.25	5.68E-05	8.94E-09	3.12E-09	6.95E-05	1.10E-08	3.82E-09	6.10E-05	9.61E-09	3.35E-09
4787	482363.09, 3861377.25	5.99E-05	9.43E-09	3.29E-09	7.33E-05	1.15E-08	4.02E-09	6.43E-05	1.01E-08	3.53E-09
4788	482863.09, 3861377.25	6.30E-05	9.93E-09	3.46E-09	7.72E-05	1.22E-08	4.24E-09	6.77E-05	1.07E-08	3.72E-09
4789	483363.09, 3861377.25	6.58E-05	1.04E-08	3.61E-09	8.05E-05	1.27E-08	4.42E-09	7.07E-05	1.11E-08	3.88E-09
4790	483863.09, 3861377.25	6.81E-05	1.07E-08	3.73E-09	8.33E-05	1.31E-08	4.57E-09	7.31E-05	1.15E-08	4.01E-09
4791	484363.09, 3861377.25	7.05E-05	1.11E-08	3.87E-09	8.63E-05	1.36E-08	4.74E-09	7.57E-05	1.19E-08	4.15E-09
4792	484863.09, 3861377.25	7.02E-05	1.11E-08	3.85E-09	8.59E-05	1.35E-08	4.72E-09	7.54E-05	1.19E-08	4.14E-09
4793	485363.09, 3861377.25	6.98E-05	1.10E-08	3.83E-09	8.55E-05	1.35E-08	4.69E-09	7.50E-05	1.18E-08	4.11E-09
4794	485863.09, 3861377.25	7.09E-05	1.12E-08	3.89E-09	8.68E-05	1.37E-08	4.77E-09	7.61E-05	1.20E-08	4.18E-09
4795	486363.09, 3861377.25	7.13E-05	1.12E-08	3.91E-09	8.74E-05	1.38E-08	4.79E-09	7.66E-05	1.21E-08	4.20E-09
4796	486863.09, 3861377.25	7.12E-05	1.12E-08	3.91E-09	8.72E-05	1.37E-08	4.78E-09	7.65E-05	1.20E-08	4.20E-09
4797	487363.09, 3861377.25	7.02E-05	1.11E-08	3.85E-09	8.60E-05	1.35E-08	4.72E-09	7.54E-05	1.19E-08	4.14E-09
4798	487863.09, 3861377.25	6.97E-05	1.10E-08	3.83E-09	8.54E-05	1.35E-08	4.69E-09	7.49E-05	1.18E-08	4.11E-09
4799	488363.09, 3861377.25	6.93E-05	1.09E-08	3.80E-09	8.48E-05	1.34E-08	4.66E-09	7.44E-05	1.17E-08	4.08E-09
4800	488863.09, 3861377.25	6.94E-05	1.09E-08	3.81E-09	8.49E-05	1.34E-08	4.66E-09	7.45E-05	1.17E-08	4.09E-09
4801	489363.09, 3861377.25	6.99E-05	1.10E-08	3.84E-09	8.56E-05	1.35E-08	4.70E-09	7.51E-05	1.18E-08	4.12E-09
4802	489863.09, 3861377.25	7.11E-05	1.12E-08	3.90E-09	8.70E-05	1.37E-08	4.78E-09	7.63E-05	1.20E-08	4.19E-09
4803	490363.09, 3861377.25	7.15E-05	1.13E-08	3.93E-09	8.76E-05	1.38E-08	4.81E-09	7.68E-05	1.21E-08	4.22E-09
4804	490863.09, 3861377.25	7.22E-05	1.14E-08	3.96E-09	8.84E-05	1.39E-08	4.85E-09	7.75E-05	1.22E-08	4.25E-09
4805	491363.09, 3861377.25	7.29E-05	1.15E-08	4.00E-09	8.93E-05	1.41E-08	4.90E-09	7.83E-05	1.23E-08	4.30E-09
4806	491863.09, 3861377.25	7.07E-05	1.11E-08	3.88E-09	8.66E-05	1.36E-08	4.75E-09	7.60E-05	1.20E-08	4.17E-09
4807	492363.09, 3861377.25	6.74E-05	1.06E-08	3.70E-09	8.25E-05	1.30E-08	4.53E-09	7.23E-05	1.14E-08	3.97E-09
4808	492863.09, 3861377.25	6.55E-05	1.03E-08	3.60E-09	8.02E-05	1.26E-08	4.40E-09	7.03E-05	1.11E-08	3.86E-09
4809	493363.09, 3861377.25	6.57E-05	1.04E-08	3.61E-09	8.05E-05	1.27E-08	4.42E-09	7.06E-05	1.11E-08	3.87E-09
4810	493863.09, 3861377.25	6.66E-05	1.05E-08	3.66E-09	8.16E-05	1.29E-08	4.48E-09	7.15E-05	1.13E-08	3.93E-09
4811	494363.09, 3861377.25	6.78E-05	1.07E-08	3.72E-09	8.30E-05	1.31E-08	4.55E-09	7.27E-05	1.15E-08	3.99E-09
4812	494863.09, 3861377.25	6.87E-05	1.08E-08	3.77E-09	8.41E-05	1.33E-08	4.62E-09	7.38E-05	1.16E-08	4.05E-09
4813	495363.09, 3861377.25	6.89E-05	1.08E-08	3.78E-09	8.43E-05	1.33E-08	4.63E-09	7.39E-05	1.16E-08	4.06E-09
4814	495863.09, 3861377.25	6.80E-05	1.07E-08	3.73E-09	8.33E-05	1.31E-08	4.57E-09	7.30E-05	1.15E-08	4.01E-09
4815	496363.09, 3861377.25	6.79E-05	1.07E-08	3.73E-09	8.31E-05	1.31E-08	4.56E-09	7.29E-05	1.15E-08	4.00E-09
4816	496863.09, 3861377.25	6.79E-05	1.07E-08	3.73E-09	8.32E-05	1.31E-08	4.57E-09	7.29E-05	1.15E-08	4.00E-09
4817	497363.09, 3861377.25	6.64E-05	1.05E-08	3.65E-09	8.14E-05	1.28E-08	4.46E-09	7.13E-05	1.12E-08	3.91E-09
4818	497863.09, 3861377.25	6.48E-05	1.02E-08	3.56E-09	7.94E-05	1.25E-08	4.36E-09	6.96E-05	1.10E-08	3.82E-09
4819	498363.09, 3861377.25	6.33E-05	9.98E-09	3.48E-09	7.76E-05	1.22E-08	4.26E-09	6.80E-05	1.07E-08	3.73E-09
4820	471363.09, 3861877.25	1.96E-05	3.09E-09	1.08E-09	2.40E-05	3.79E-09	1.32E-09	2.11E-05	3.32E-09	1.16E-09
4821	471863.09, 3861877.25	2.04E-05	3.22E-09	1.12E-09	2.50E-05	3.95E-09	1.37E-09	2.20E-05	3.46E-09	1.21E-09
4822	472363.09, 3861877.25	2.13E-05	3.35E-09	1.17E-09	2.60E-05	4.10E-09	1.43E-09	2.28E-05	3.60E-09	1.25E-09
4823	472863.09, 3861877.25	2.21E-05	3.48E-09	1.21E-09	2.71E-05	4.27E-09	1.49E-09	2.38E-05	3.74E-09	1.30E-09
4824	473363.09, 3861877.25	2.30E-05	3.62E-09	1.26E-09	2.82E-05	4.44E-09	1.55E-09	2.47E-05	3.89E-09	1.36E-09
4825	473863.09, 3861877.25	2.40E-05	3.78E-09	1.32E-09	2.94E-05	4.63E-09	1.61E-09	2.58E-05	4.06E-09	1.41E-09
4826	474363.09, 3861877.25	2.50E-05	3.94E-09	1.37E-09	3.07E-05	4.83E-09	1.68E-09	2.69E-05	4.24E-09	1.48E-09
4827	474863.09, 3861877.25	2.62E-05	4.12E-09	1.44E-09	3.21E-05	5.05E-09	1.76E-09	2.81E-05	4.43E-09	1.54E-09
4828	475363.09, 3861877.25	2.73E-05	4.31E-09	1.50E-09	3.35E-05	5.27E-09	1.84E-09	2.94E-05	4.63E-09	1.61E-09
4829	475863.09, 3861877.25	2.86E-05	4.50E-09	1.57E-09	3.50E-05	5.51E-09	1.92E-09	3.07E-05	4.84E-09	1.68E-09
4830	476363.09, 3861877.25	2.98E-05	4.70E-09	1.64E-09	3.65E-05	5.75E-09	2.00E-09	3.20E-05	5.04E-09	1.76E-09
4831	476863.09, 3861877.25	3.08E-05	4.85E-09	1.69E-09	3.77E-05	5.94E-09	2.07E-09	3.31E-05	5.21E-09	1.81E-09
4832	477363.09, 3861877.25	3.17E-05	4.99E-09	1.74E-09	3.88E-05	6.11E-09	2.13E-09	3.40E-05	5.36E-09	1.87E-09

4833	477863.09, 3861877.25	2.88E-05	4.54E-09	1.58E-09	3.53E-05	5.56E-09	1.94E-09	3.09E-05	4.87E-09	1.70E-09
4834	478363.09, 3861877.25	1.59E-05	2.50E-09	8.72E-10	1.95E-05	3.07E-09	1.07E-09	1.71E-05	2.69E-09	9.37E-10
4835	478863.09, 3861877.25	2.64E-05	4.16E-09	1.45E-09	3.24E-05	5.10E-09	1.78E-09	2.84E-05	4.47E-09	1.56E-09
4836	479363.09, 3861877.25	2.48E-05	3.90E-09	1.36E-09	3.03E-05	4.78E-09	1.66E-09	2.66E-05	4.19E-09	1.46E-09
4837	479863.09, 3861877.25	4.11E-05	6.47E-09	2.25E-09	5.03E-05	7.93E-09	2.76E-09	4.41E-05	6.95E-09	2.42E-09
4838	480363.09, 3861877.25	4.42E-05	6.96E-09	2.43E-09	5.41E-05	8.53E-09	2.97E-09	4.75E-05	7.48E-09	2.61E-09
4839	480863.09, 3861877.25	4.65E-05	7.32E-09	2.55E-09	5.69E-05	8.97E-09	3.12E-09	4.99E-05	7.86E-09	2.74E-09
4840	481363.09, 3861877.25	4.86E-05	7.66E-09	2.67E-09	5.96E-05	9.39E-09	3.27E-09	5.23E-05	8.23E-09	2.87E-09
4841	481863.09, 3861877.25	5.09E-05	8.02E-09	2.79E-09	6.24E-05	9.83E-09	3.42E-09	5.47E-05	8.62E-09	3.00E-09
4842	482363.09, 3861877.25	5.35E-05	8.42E-09	2.93E-09	6.55E-05	1.03E-08	3.59E-09	5.74E-05	9.05E-09	3.15E-09
4843	482863.09, 3861877.25	5.59E-05	8.81E-09	3.07E-09	6.85E-05	1.08E-08	3.76E-09	6.01E-05	9.46E-09	3.30E-09
4844	483363.09, 3861877.25	5.78E-05	9.11E-09	3.17E-09	7.08E-05	1.12E-08	3.89E-09	6.21E-05	9.78E-09	3.41E-09
4845	483863.09, 3861877.25	5.96E-05	9.39E-09	3.27E-09	7.30E-05	1.15E-08	4.01E-09	6.40E-05	1.01E-08	3.51E-09
4846	484363.09, 3861877.25	6.06E-05	9.55E-09	3.33E-09	7.42E-05	1.17E-08	4.07E-09	6.51E-05	1.03E-08	3.57E-09
4847	484863.09, 3861877.25	6.16E-05	9.70E-09	3.38E-09	7.54E-05	1.19E-08	4.14E-09	6.61E-05	1.04E-08	3.63E-09
4848	485363.09, 3861877.25	6.12E-05	9.63E-09	3.36E-09	7.49E-05	1.18E-08	4.11E-09	6.57E-05	1.04E-08	3.61E-09
4849	485863.09, 3861877.25	6.05E-05	9.54E-09	3.32E-09	7.41E-05	1.17E-08	4.07E-09	6.50E-05	1.02E-08	3.57E-09
4850	486363.09, 3861877.25	6.09E-05	9.60E-09	3.34E-09	7.46E-05	1.18E-08	4.09E-09	6.54E-05	1.03E-08	3.59E-09
4851	486863.09, 3861877.25	6.05E-05	9.53E-09	3.32E-09	7.41E-05	1.17E-08	4.07E-09	6.50E-05	1.02E-08	3.57E-09
4852	487363.09, 3861877.25	5.98E-05	9.41E-09	3.28E-09	7.32E-05	1.15E-08	4.02E-09	6.42E-05	1.01E-08	3.52E-09
4853	487863.09, 3861877.25	5.91E-05	9.31E-09	3.24E-09	7.24E-05	1.14E-08	3.97E-09	6.35E-05	1.00E-08	3.49E-09
4854	488363.09, 3861877.25	5.87E-05	9.25E-09	3.22E-09	7.19E-05	1.13E-08	3.95E-09	6.30E-05	9.93E-09	3.46E-09
4855	488863.09, 3861877.25	5.82E-05	9.17E-09	3.20E-09	7.13E-05	1.12E-08	3.91E-09	6.25E-05	9.85E-09	3.43E-09
4856	489363.09, 3861877.25	5.80E-05	9.14E-09	3.18E-09	7.10E-05	1.12E-08	3.90E-09	6.23E-05	9.82E-09	3.42E-09
4857	489863.09, 3861877.25	5.88E-05	9.27E-09	3.23E-09	7.21E-05	1.14E-08	3.95E-09	6.32E-05	9.95E-09	3.47E-09
4858	490363.09, 3861877.25	5.90E-05	9.30E-09	3.24E-09	7.23E-05	1.14E-08	3.97E-09	6.34E-05	9.99E-09	3.48E-09
4859	490863.09, 3861877.25	5.94E-05	9.35E-09	3.26E-09	7.27E-05	1.15E-08	3.99E-09	6.38E-05	1.00E-08	3.50E-09
4860	491363.09, 3861877.25	6.01E-05	9.47E-09	3.30E-09	7.36E-05	1.16E-08	4.04E-09	6.46E-05	1.02E-08	3.54E-09
4861	491863.09, 3861877.25	6.12E-05	9.65E-09	3.36E-09	7.50E-05	1.18E-08	4.12E-09	6.57E-05	1.04E-08	3.61E-09
4862	492363.09, 3861877.25	5.94E-05	9.37E-09	3.26E-09	7.28E-05	1.15E-08	4.00E-09	6.38E-05	1.01E-08	3.50E-09
4863	492863.09, 3861877.25	5.67E-05	8.93E-09	3.11E-09	6.94E-05	1.09E-08	3.81E-09	6.09E-05	9.59E-09	3.34E-09
4864	493363.09, 3861877.25	5.48E-05	8.64E-09	3.01E-09	6.72E-05	1.06E-08	3.69E-09	5.89E-05	9.28E-09	3.23E-09
4865	493863.09, 3861877.25	5.43E-05	8.55E-09	2.98E-09	6.65E-05	1.05E-08	3.65E-09	5.83E-05	9.18E-09	3.20E-09
4866	494363.09, 3861877.25	5.47E-05	8.62E-09	3.00E-09	6.70E-05	1.06E-08	3.68E-09	5.87E-05	9.25E-09	3.22E-09
4867	494863.09, 3861877.25	5.58E-05	8.80E-09	3.06E-09	6.84E-05	1.08E-08	3.75E-09	5.99E-05	9.44E-09	3.29E-09
4868	495363.09, 3861877.25	5.67E-05	8.94E-09	3.11E-09	6.95E-05	1.09E-08	3.81E-09	6.09E-05	9.59E-09	3.34E-09
4869	495863.09, 3861877.25	5.73E-05	9.02E-09	3.14E-09	7.01E-05	1.10E-08	3.85E-09	6.15E-05	9.68E-09	3.37E-09
4870	496363.09, 3861877.25	5.75E-05	9.06E-09	3.16E-09	7.05E-05	1.11E-08	3.87E-09	6.18E-05	9.73E-09	3.39E-09
4871	496863.09, 3861877.25	6.06E-05	9.55E-09	3.33E-09	7.43E-05	1.17E-08	4.08E-09	6.51E-05	1.03E-08	3.57E-09
4872	497363.09, 3861877.25	5.77E-05	9.08E-09	3.16E-09	7.06E-05	1.11E-08	3.88E-09	6.19E-05	9.75E-09	3.40E-09
4873	497863.09, 3861877.25	5.59E-05	8.81E-09	3.07E-09	6.85E-05	1.08E-08	3.76E-09	6.00E-05	9.45E-09	3.29E-09
4874	498363.09, 3861877.25	5.45E-05	8.59E-09	2.99E-09	6.68E-05	1.05E-08	3.67E-09	5.85E-05	9.22E-09	3.21E-09
4875	471363.09, 3862377.25	1.91E-05	3.00E-09	1.05E-09	2.33E-05	3.68E-09	1.28E-09	2.05E-05	3.22E-09	1.12E-09
4876	471863.09, 3862377.25	1.97E-05	3.11E-09	1.08E-09	2.42E-05	3.81E-09	1.33E-09	2.12E-05	3.34E-09	1.16E-09
4877	472363.09, 3862377.25	2.04E-05	3.22E-09	1.12E-09	2.50E-05	3.94E-09	1.37E-09	2.20E-05	3.46E-09	1.21E-09
4878	472863.09, 3862377.25	2.12E-05	3.34E-09	1.16E-09	2.60E-05	4.09E-09	1.43E-09	2.28E-05	3.59E-09	1.25E-09
4879	473363.09, 3862377.25	2.20E-05	3.47E-09	1.21E-09	2.70E-05	4.25E-09	1.48E-09	2.37E-05	3.73E-09	1.30E-09
4880	473863.09, 3862377.25	2.29E-05	3.61E-09	1.26E-09	2.81E-05	4.42E-09	1.54E-09	2.46E-05	3.88E-09	1.35E-09
4881	474363.09, 3862377.25	2.39E-05	3.76E-09	1.31E-09	2.92E-05	4.60E-09	1.60E-09	2.56E-05	4.04E-09	1.41E-09
4882	474863.09, 3862377.25	2.48E-05	3.91E-09	1.36E-09	3.04E-05	4.79E-09	1.67E-09	2.67E-05	4.20E-09	1.46E-09
4883	475363.09, 3862377.25	2.59E-05	4.08E-09	1.42E-09	3.17E-05	4.99E-09	1.74E-09	2.78E-05	4.38E-09	1.53E-09
4884	475863.09, 3862377.25	2.69E-05	4.24E-09	1.48E-09	3.30E-05	5.19E-09	1.81E-09	2.89E-05	4.55E-09	1.59E-09
4885	476363.09, 3862377.25	2.80E-05	4.41E-09	1.53E-09	3.43E-05	5.40E-09	1.88E-09	3.00E-05	4.73E-09	1.65E-09
4886	476863.09, 3862377.25	2.91E-05	4.58E-09	1.59E-09	3.56E-05	5.61E-09	1.95E-09	3.12E-05	4.91E-09	1.71E-09
4887	477363.09, 3862377.25	3.03E-05	4.77E-09	1.66E-09	3.71E-05	5.84E-09	2.03E-09	3.25E-05	5.12E-09	1.78E-09
4888	477863.09, 3862377.25	2.91E-05	4.59E-09	1.60E-09	3.57E-05	5.62E-09	1.96E-09	3.13E-05	4.92E-09	1.72E-09
4889	478363.09, 3862377.25	2.61E-05	4.12E-09	1.43E-09	3.20E-05	5.04E-09	1.76E-09	2.81E-05	4.42E-09	1.54E-09
4890	478863.09, 3862377.25	2.76E-05	4.35E-09	1.51E-09	3.38E-05	5.33E-09	1.86E-09	2.96E-05	4.67E-09	1.63E-09
4891	479363.09, 3862377.25	3.17E-05	4.99E-09	1.74E-09	3.88E-05	6.11E-09	2.13E-09	3.40E-05	5.36E-09	1.87E-09
4892	479863.09, 3862377.25	3.81E-05	6.00E-09	2.09E-09	4.67E-05	7.35E-09	2.56E-09	4.09E-05	6.45E-09	2.25E-09
4893	480363.09, 3862377.25	4.04E-05	6.37E-09	2.22E-09	4.95E-05	7.80E-09	2.72E-09	4.34E-05	6.84E-09	2.38E-09
4894	480863.09, 3862377.25	4.23E-05	6.66E-09	2.32E-09	5.18E-05	8.16E-09	2.84E-09	4.54E-05	7.16E-09	2.49E-09

4895	481363.09, 3862377.25	4.40E-05	6.93E-09	2.42E-09	5.39E-05	8.49E-09	2.96E-09	4.73E-05	7.45E-09	2.60E-09
4896	481863.09, 3862377.25	4.57E-05	7.20E-09	2.51E-09	5.60E-05	8.82E-09	3.07E-09	4.91E-05	7.74E-09	2.70E-09
4897	482363.09, 3862377.25	4.78E-05	7.53E-09	2.62E-09	5.85E-05	9.22E-09	3.21E-09	5.13E-05	8.09E-09	2.82E-09
4898	482863.09, 3862377.25	4.97E-05	7.83E-09	2.73E-09	6.09E-05	9.59E-09	3.34E-09	5.34E-05	8.41E-09	2.93E-09
4899	483363.09, 3862377.25	5.14E-05	8.10E-09	2.82E-09	6.30E-05	9.92E-09	3.46E-09	5.52E-05	8.70E-09	3.03E-09
4900	483863.09, 3862377.25	5.23E-05	8.24E-09	2.87E-09	6.40E-05	1.01E-08	3.52E-09	5.62E-05	8.85E-09	3.08E-09
4901	484363.09, 3862377.25	5.35E-05	8.43E-09	2.94E-09	6.56E-05	1.03E-08	3.60E-09	5.75E-05	9.06E-09	3.16E-09
4902	484863.09, 3862377.25	5.32E-05	8.38E-09	2.92E-09	6.51E-05	1.03E-08	3.58E-09	5.71E-05	9.00E-09	3.14E-09
4903	485363.09, 3862377.25	5.27E-05	8.31E-09	2.89E-09	6.46E-05	1.02E-08	3.55E-09	5.67E-05	8.93E-09	3.11E-09
4904	485863.09, 3862377.25	5.29E-05	8.34E-09	2.90E-09	6.48E-05	1.02E-08	3.56E-09	5.68E-05	8.95E-09	3.12E-09
4905	486363.09, 3862377.25	5.26E-05	8.29E-09	2.89E-09	6.44E-05	1.01E-08	3.54E-09	5.65E-05	8.90E-09	3.10E-09
4906	486863.09, 3862377.25	5.21E-05	8.21E-09	2.86E-09	6.38E-05	1.01E-08	3.50E-09	5.60E-05	8.82E-09	3.07E-09
4907	487363.09, 3862377.25	5.15E-05	8.11E-09	2.83E-09	6.31E-05	9.93E-09	3.46E-09	5.53E-05	8.72E-09	3.04E-09
4908	487863.09, 3862377.25	5.10E-05	8.04E-09	2.80E-09	6.25E-05	9.85E-09	3.43E-09	5.49E-05	8.64E-09	3.01E-09
4909	488363.09, 3862377.25	5.07E-05	7.98E-09	2.78E-09	6.21E-05	9.78E-09	3.41E-09	5.44E-05	8.58E-09	2.99E-09
4910	488863.09, 3862377.25	5.04E-05	7.94E-09	2.77E-09	6.17E-05	9.72E-09	3.39E-09	5.41E-05	8.53E-09	2.97E-09
4911	489363.09, 3862377.25	5.02E-05	7.91E-09	2.76E-09	6.15E-05	9.69E-09	3.38E-09	5.40E-05	8.50E-09	2.96E-09
4912	489863.09, 3862377.25	5.06E-05	7.97E-09	2.78E-09	6.19E-05	9.76E-09	3.40E-09	5.43E-05	8.56E-09	2.98E-09
4913	490363.09, 3862377.25	5.12E-05	8.06E-09	2.81E-09	6.27E-05	9.88E-09	3.44E-09	5.50E-05	8.66E-09	3.02E-09
4914	490863.09, 3862377.25	5.15E-05	8.11E-09	2.83E-09	6.31E-05	9.94E-09	3.46E-09	5.53E-05	8.72E-09	3.04E-09
4915	491363.09, 3862377.25	5.16E-05	8.12E-09	2.83E-09	6.31E-05	9.95E-09	3.47E-09	5.54E-05	8.72E-09	3.04E-09
4916	491863.09, 3862377.25	5.16E-05	8.13E-09	2.83E-09	6.32E-05	9.96E-09	3.47E-09	5.54E-05	8.73E-09	3.04E-09
4917	492363.09, 3862377.25	5.25E-05	8.28E-09	2.88E-09	6.44E-05	1.01E-08	3.53E-09	5.64E-05	8.89E-09	3.10E-09
4918	492863.09, 3862377.25	5.18E-05	8.16E-09	2.84E-09	6.34E-05	9.99E-09	3.48E-09	5.56E-05	8.76E-09	3.05E-09
4919	493363.09, 3862377.25	4.95E-05	7.80E-09	2.72E-09	6.07E-05	9.56E-09	3.33E-09	5.32E-05	8.38E-09	2.92E-09
4920	493863.09, 3862377.25	4.76E-05	7.49E-09	2.61E-09	5.83E-05	9.18E-09	3.20E-09	5.11E-05	8.05E-09	2.80E-09
4921	494363.09, 3862377.25	4.66E-05	7.35E-09	2.56E-09	5.71E-05	9.00E-09	3.14E-09	5.01E-05	7.89E-09	2.75E-09
4922	494863.09, 3862377.25	4.67E-05	7.36E-09	2.56E-09	5.72E-05	9.01E-09	3.14E-09	5.01E-05	7.90E-09	2.75E-09
4923	495363.09, 3862377.25	4.69E-05	7.39E-09	2.57E-09	5.74E-05	9.05E-09	3.15E-09	5.04E-05	7.93E-09	2.76E-09
4924	495863.09, 3862377.25	4.76E-05	7.50E-09	2.61E-09	5.83E-05	9.19E-09	3.20E-09	5.11E-05	8.06E-09	2.81E-09
4925	496363.09, 3862377.25	4.83E-05	7.60E-09	2.65E-09	5.91E-05	9.31E-09	3.24E-09	5.18E-05	8.16E-09	2.84E-09
4926	496863.09, 3862377.25	4.92E-05	7.75E-09	2.70E-09	6.03E-05	9.50E-09	3.31E-09	5.28E-05	8.32E-09	2.90E-09
4927	497363.09, 3862377.25	4.89E-05	7.71E-09	2.69E-09	5.99E-05	9.44E-09	3.29E-09	5.25E-05	8.27E-09	2.88E-09
4928	497863.09, 3862377.25	4.85E-05	7.63E-09	2.66E-09	5.93E-05	9.35E-09	3.26E-09	5.20E-05	8.19E-09	2.85E-09
4929	498363.09, 3862377.25	4.75E-05	7.48E-09	2.61E-09	5.81E-05	9.16E-09	3.19E-09	5.10E-05	8.03E-09	2.80E-09
4930	471363.09, 3862877.25	1.83E-05	2.88E-09	1.00E-09	2.24E-05	3.53E-09	1.23E-09	1.97E-05	3.10E-09	1.08E-09
4931	471863.09, 3862877.25	1.89E-05	2.98E-09	1.04E-09	2.32E-05	3.65E-09	1.27E-09	2.03E-05	3.20E-09	1.12E-09
4932	472363.09, 3862877.25	1.96E-05	3.08E-09	1.07E-09	2.40E-05	3.78E-09	1.32E-09	2.10E-05	3.31E-09	1.15E-09
4933	472863.09, 3862877.25	2.03E-05	3.20E-09	1.11E-09	2.48E-05	3.91E-09	1.36E-09	2.18E-05	3.43E-09	1.20E-09
4934	473363.09, 3862877.25	2.10E-05	3.31E-09	1.15E-09	2.57E-05	4.06E-09	1.41E-09	2.26E-05	3.56E-09	1.24E-09
4935	473863.09, 3862877.25	2.18E-05	3.44E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.34E-05	3.69E-09	1.29E-09
4936	474363.09, 3862877.25	2.26E-05	3.57E-09	1.24E-09	2.77E-05	4.37E-09	1.52E-09	2.43E-05	3.83E-09	1.33E-09
4937	474863.09, 3862877.25	2.35E-05	3.70E-09	1.29E-09	2.88E-05	4.54E-09	1.58E-09	2.53E-05	3.98E-09	1.39E-09
4938	475363.09, 3862877.25	2.43E-05	3.83E-09	1.34E-09	2.98E-05	4.69E-09	1.64E-09	2.61E-05	4.12E-09	1.43E-09
4939	475863.09, 3862877.25	2.52E-05	3.97E-09	1.38E-09	3.09E-05	4.86E-09	1.69E-09	2.71E-05	4.26E-09	1.48E-09
4940	476363.09, 3862877.25	2.61E-05	4.11E-09	1.43E-09	3.20E-05	5.04E-09	1.76E-09	2.80E-05	4.42E-09	1.54E-09
4941	476863.09, 3862877.25	2.72E-05	4.28E-09	1.49E-09	3.33E-05	5.25E-09	1.83E-09	2.92E-05	4.60E-09	1.60E-09
4942	477363.09, 3862877.25	2.84E-05	4.48E-09	1.56E-09	3.48E-05	5.48E-09	1.91E-09	3.05E-05	4.81E-09	1.67E-09
4943	477863.09, 3862877.25	2.89E-05	4.55E-09	1.58E-09	3.53E-05	5.57E-09	1.94E-09	3.10E-05	4.88E-09	1.70E-09
4944	478363.09, 3862877.25	2.74E-05	4.32E-09	1.50E-09	3.36E-05	5.29E-09	1.84E-09	2.94E-05	4.64E-09	1.62E-09
4945	478863.09, 3862877.25	2.88E-05	4.54E-09	1.58E-09	3.53E-05	5.56E-09	1.94E-09	3.09E-05	4.87E-09	1.70E-09
4946	479363.09, 3862877.25	3.08E-05	4.85E-09	1.69E-09	3.77E-05	5.94E-09	2.07E-09	3.30E-05	5.21E-09	1.81E-09
4947	479863.09, 3862877.25	3.57E-05	5.62E-09	1.96E-09	4.37E-05	6.88E-09	2.40E-09	3.83E-05	6.04E-09	2.10E-09
4948	480363.09, 3862877.25	3.71E-05	5.85E-09	2.04E-09	4.54E-05	7.16E-09	2.49E-09	3.99E-05	6.28E-09	2.19E-09
4949	480863.09, 3862877.25	3.86E-05	6.08E-09	2.12E-09	4.73E-05	7.45E-09	2.59E-09	4.15E-05	6.53E-09	2.28E-09
4950	481363.09, 3862877.25	3.97E-05	6.26E-09	2.18E-09	4.87E-05	7.67E-09	2.67E-09	4.27E-05	6.73E-09	2.34E-09
4951	481863.09, 3862877.25	4.17E-05	6.57E-09	2.29E-09	5.11E-05	8.05E-09	2.80E-09	4.48E-05	7.06E-09	2.46E-09
4952	482363.09, 3862877.25	4.30E-05	6.77E-09	2.36E-09	5.26E-05	8.29E-09	2.89E-09	4.62E-05	7.27E-09	2.53E-09
4953	482863.09, 3862877.25	4.46E-05	7.03E-09	2.45E-09	5.46E-05	8.61E-09	3.00E-09	4.79E-05	7.55E-09	2.63E-09
4954	483363.09, 3862877.25	4.58E-05	7.21E-09	2.51E-09	5.60E-05	8.83E-09	3.08E-09	4.92E-05	7.74E-09	2.70E-09
4955	483863.09, 3862877.25	4.65E-05	7.33E-09	2.55E-09	5.70E-05	8.98E-09	3.13E-09	5.00E-05	7.87E-09	2.74E-09
4956	484363.09, 3862877.25	4.72E-05	7.43E-09	2.59E-09	5.78E-05	9.10E-09	3.17E-09	5.07E-05	7.98E-09	2.78E-09

4957	484863.09, 3862877.25	4.66E-05	7.35E-09	2.56E-09	5.71E-05	9.00E-09	3.13E-09	5.01E-05	7.89E-09	2.75E-09
4958	485363.09, 3862877.25	4.65E-05	7.32E-09	2.55E-09	5.69E-05	8.97E-09	3.12E-09	4.99E-05	7.87E-09	2.74E-09
4959	485863.09, 3862877.25	4.62E-05	7.29E-09	2.54E-09	5.66E-05	8.92E-09	3.11E-09	4.97E-05	7.83E-09	2.73E-09
4960	486363.09, 3862877.25	4.63E-05	7.29E-09	2.54E-09	5.67E-05	8.93E-09	3.11E-09	4.97E-05	7.83E-09	2.73E-09
4961	486863.09, 3862877.25	4.55E-05	7.17E-09	2.50E-09	5.57E-05	8.78E-09	3.06E-09	4.89E-05	7.70E-09	2.68E-09
4962	487363.09, 3862877.25	4.51E-05	7.10E-09	2.47E-09	5.52E-05	8.70E-09	3.03E-09	4.84E-05	7.63E-09	2.66E-09
4963	487863.09, 3862877.25	4.47E-05	7.04E-09	2.45E-09	5.47E-05	8.62E-09	3.00E-09	4.80E-05	7.57E-09	2.64E-09
4964	488363.09, 3862877.25	4.45E-05	7.01E-09	2.44E-09	5.45E-05	8.59E-09	2.99E-09	4.78E-05	7.53E-09	2.62E-09
4965	488863.09, 3862877.25	4.42E-05	6.96E-09	2.42E-09	5.41E-05	8.52E-09	2.97E-09	4.74E-05	7.47E-09	2.60E-09
4966	489363.09, 3862877.25	4.39E-05	6.91E-09	2.41E-09	5.37E-05	8.46E-09	2.95E-09	4.71E-05	7.42E-09	2.59E-09
4967	489863.09, 3862877.25	4.40E-05	6.93E-09	2.41E-09	5.38E-05	8.48E-09	2.96E-09	4.72E-05	7.44E-09	2.59E-09
4968	490363.09, 3862877.25	4.43E-05	6.98E-09	2.43E-09	5.43E-05	8.55E-09	2.98E-09	4.76E-05	7.50E-09	2.61E-09
4969	490863.09, 3862877.25	4.48E-05	7.05E-09	2.46E-09	5.48E-05	8.64E-09	3.01E-09	4.81E-05	7.57E-09	2.64E-09
4970	491363.09, 3862877.25	4.55E-05	7.16E-09	2.50E-09	5.57E-05	8.77E-09	3.06E-09	4.88E-05	7.69E-09	2.68E-09
4971	491863.09, 3862877.25	4.49E-05	7.07E-09	2.46E-09	5.50E-05	8.66E-09	3.02E-09	4.82E-05	7.60E-09	2.65E-09
4972	492363.09, 3862877.25	4.52E-05	7.12E-09	2.48E-09	5.54E-05	8.73E-09	3.04E-09	4.86E-05	7.65E-09	2.67E-09
4973	492863.09, 3862877.25	4.59E-05	7.23E-09	2.52E-09	5.62E-05	8.86E-09	3.09E-09	4.93E-05	7.77E-09	2.71E-09
4974	493363.09, 3862877.25	4.56E-05	7.19E-09	2.50E-09	5.59E-05	8.80E-09	3.07E-09	4.90E-05	7.72E-09	2.69E-09
4975	493863.09, 3862877.25	4.40E-05	6.93E-09	2.42E-09	5.39E-05	8.49E-09	2.96E-09	4.73E-05	7.44E-09	2.59E-09
4976	494363.09, 3862877.25	4.22E-05	6.64E-09	2.31E-09	5.16E-05	8.14E-09	2.83E-09	4.53E-05	7.13E-09	2.48E-09
4977	494863.09, 3862877.25	4.08E-05	6.43E-09	2.24E-09	5.00E-05	7.87E-09	2.74E-09	4.38E-05	6.90E-09	2.40E-09
4978	495363.09, 3862877.25	4.04E-05	6.36E-09	2.22E-09	4.95E-05	7.79E-09	2.71E-09	4.34E-05	6.83E-09	2.38E-09
4979	495863.09, 3862877.25	4.06E-05	6.39E-09	2.23E-09	4.97E-05	7.83E-09	2.73E-09	4.36E-05	6.86E-09	2.39E-09
4980	496363.09, 3862877.25	4.11E-05	6.47E-09	2.25E-09	5.03E-05	7.92E-09	2.76E-09	4.41E-05	6.94E-09	2.42E-09
4981	496863.09, 3862877.25	4.17E-05	6.56E-09	2.29E-09	5.10E-05	8.04E-09	2.80E-09	4.47E-05	7.05E-09	2.45E-09
4982	497363.09, 3862877.25	4.21E-05	6.63E-09	2.31E-09	5.15E-05	8.11E-09	2.83E-09	4.51E-05	7.11E-09	2.48E-09
4983	497863.09, 3862877.25	4.23E-05	6.67E-09	2.32E-09	5.18E-05	8.17E-09	2.85E-09	4.54E-05	7.16E-09	2.49E-09
4984	498363.09, 3862877.25	4.24E-05	6.68E-09	2.33E-09	5.20E-05	8.19E-09	2.85E-09	4.55E-05	7.18E-09	2.50E-09
4985	471363.09, 3863377.25	1.76E-05	2.77E-09	9.64E-10	2.15E-05	3.39E-09	1.18E-09	1.89E-05	2.97E-09	1.04E-09
4986	471863.09, 3863377.25	1.81E-05	2.86E-09	9.95E-10	2.22E-05	3.50E-09	1.22E-09	1.95E-05	3.07E-09	1.07E-09
4987	472363.09, 3863377.25	1.88E-05	2.95E-09	1.03E-09	2.30E-05	3.62E-09	1.26E-09	2.01E-05	3.17E-09	1.11E-09
4988	472863.09, 3863377.25	1.94E-05	3.05E-09	1.06E-09	2.37E-05	3.74E-09	1.30E-09	2.08E-05	3.28E-09	1.14E-09
4989	473363.09, 3863377.25	2.00E-05	3.15E-09	1.10E-09	2.45E-05	3.86E-09	1.34E-09	2.15E-05	3.39E-09	1.18E-09
4990	473863.09, 3863377.25	2.07E-05	3.26E-09	1.14E-09	2.54E-05	3.99E-09	1.39E-09	2.22E-05	3.50E-09	1.22E-09
4991	474363.09, 3863377.25	2.14E-05	3.37E-09	1.17E-09	2.62E-05	4.13E-09	1.44E-09	2.30E-05	3.62E-09	1.26E-09
4992	474863.09, 3863377.25	2.20E-05	3.47E-09	1.21E-09	2.70E-05	4.25E-09	1.48E-09	2.37E-05	3.73E-09	1.30E-09
4993	475363.09, 3863377.25	2.28E-05	3.59E-09	1.25E-09	2.79E-05	4.39E-09	1.53E-09	2.44E-05	3.85E-09	1.34E-09
4994	475863.09, 3863377.25	2.35E-05	3.70E-09	1.29E-09	2.88E-05	4.54E-09	1.58E-09	2.52E-05	3.98E-09	1.39E-09
4995	476363.09, 3863377.25	2.43E-05	3.84E-09	1.34E-09	2.98E-05	4.70E-09	1.64E-09	2.61E-05	4.12E-09	1.44E-09
4996	476863.09, 3863377.25	2.53E-05	3.99E-09	1.39E-09	3.10E-05	4.89E-09	1.70E-09	2.72E-05	4.28E-09	1.49E-09
4997	477363.09, 3863377.25	2.65E-05	4.17E-09	1.45E-09	3.24E-05	5.11E-09	1.78E-09	2.84E-05	4.48E-09	1.56E-09
4998	477863.09, 3863377.25	2.76E-05	4.34E-09	1.51E-09	3.38E-05	5.32E-09	1.85E-09	2.96E-05	4.66E-09	1.62E-09
4999	478363.09, 3863377.25	2.80E-05	4.41E-09	1.54E-09	3.43E-05	5.41E-09	1.88E-09	3.01E-05	4.74E-09	1.65E-09
5000	478863.09, 3863377.25	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.73E-09	2.00E-09	3.19E-05	5.03E-09	1.75E-09
5001	479363.09, 3863377.25	3.16E-05	4.98E-09	1.74E-09	3.88E-05	6.11E-09	2.13E-09	3.40E-05	5.35E-09	1.87E-09
5002	479863.09, 3863377.25	3.27E-05	5.15E-09	1.80E-09	4.01E-05	6.31E-09	2.20E-09	3.51E-05	5.53E-09	1.93E-09
5003	480363.09, 3863377.25	3.39E-05	5.34E-09	1.86E-09	4.15E-05	6.54E-09	2.28E-09	3.64E-05	5.74E-09	2.00E-09
5004	480863.09, 3863377.25	3.51E-05	5.53E-09	1.93E-09	4.30E-05	6.78E-09	2.36E-09	3.78E-05	5.95E-09	2.07E-09
5005	481363.09, 3863377.25	3.61E-05	5.69E-09	1.98E-09	4.42E-05	6.96E-09	2.43E-09	3.88E-05	6.11E-09	2.13E-09
5006	481863.09, 3863377.25	3.75E-05	5.91E-09	2.06E-09	4.60E-05	7.24E-09	2.52E-09	4.03E-05	6.35E-09	2.21E-09
5007	482363.09, 3863377.25	3.90E-05	6.14E-09	2.14E-09	4.78E-05	7.52E-09	2.62E-09	4.19E-05	6.60E-09	2.30E-09
5008	482863.09, 3863377.25	4.00E-05	6.29E-09	2.19E-09	4.89E-05	7.71E-09	2.69E-09	4.29E-05	6.76E-09	2.36E-09
5009	483363.09, 3863377.25	4.08E-05	6.43E-09	2.24E-09	5.00E-05	7.88E-09	2.74E-09	4.38E-05	6.91E-09	2.41E-09
5010	483863.09, 3863377.25	4.15E-05	6.53E-09	2.28E-09	5.08E-05	8.00E-09	2.79E-09	4.45E-05	7.02E-09	2.44E-09
5011	484363.09, 3863377.25	4.16E-05	6.56E-09	2.29E-09	5.10E-05	8.04E-09	2.80E-09	4.47E-05	7.05E-09	2.46E-09
5012	484863.09, 3863377.25	4.16E-05	6.55E-09	2.28E-09	5.09E-05	8.02E-09	2.79E-09	4.47E-05	7.04E-09	2.45E-09
5013	485363.09, 3863377.25	4.11E-05	6.48E-09	2.26E-09	5.04E-05	7.93E-09	2.76E-09	4.42E-05	6.96E-09	2.43E-09
5014	485863.09, 3863377.25	4.10E-05	6.45E-09	2.25E-09	5.02E-05	7.90E-09	2.75E-09	4.40E-05	6.93E-09	2.41E-09
5015	486363.09, 3863377.25	4.07E-05	6.41E-09	2.23E-09	4.99E-05	7.86E-09	2.74E-09	4.37E-05	6.89E-09	2.40E-09
5016	486863.09, 3863377.25	4.04E-05	6.37E-09	2.22E-09	4.95E-05	7.80E-09	2.72E-09	4.34E-05	6.84E-09	2.38E-09
5017	487363.09, 3863377.25	4.00E-05	6.30E-09	2.20E-09	4.90E-05	7.72E-09	2.69E-09	4.30E-05	6.77E-09	2.36E-09
5018	487863.09, 3863377.25	3.96E-05	6.23E-09	2.17E-09	4.85E-05	7.64E-09	2.66E-09	4.25E-05	6.70E-09	2.33E-09

5019	488363.09, 3863377.25	3.94E-05	6.21E-09	2.16E-09	4.82E-05	7.60E-09	2.65E-09	4.23E-05	6.67E-09	2.32E-09
5020	488863.09, 3863377.25	3.92E-05	6.17E-09	2.15E-09	4.80E-05	7.56E-09	2.63E-09	4.21E-05	6.63E-09	2.31E-09
5021	489363.09, 3863377.25	3.88E-05	6.11E-09	2.13E-09	4.75E-05	7.48E-09	2.61E-09	4.17E-05	6.56E-09	2.29E-09
5022	489863.09, 3863377.25	3.87E-05	6.09E-09	2.12E-09	4.73E-05	7.46E-09	2.60E-09	4.15E-05	6.54E-09	2.28E-09
5023	490363.09, 3863377.25	3.88E-05	6.12E-09	2.13E-09	4.76E-05	7.49E-09	2.61E-09	4.17E-05	6.57E-09	2.29E-09
5024	490863.09, 3863377.25	3.94E-05	6.21E-09	2.16E-09	4.83E-05	7.61E-09	2.65E-09	4.23E-05	6.67E-09	2.32E-09
5025	491363.09, 3863377.25	3.96E-05	6.24E-09	2.17E-09	4.85E-05	7.64E-09	2.66E-09	4.25E-05	6.70E-09	2.33E-09
5026	491863.09, 3863377.25	3.97E-05	6.26E-09	2.18E-09	4.87E-05	7.67E-09	2.67E-09	4.27E-05	6.72E-09	2.34E-09
5027	492363.09, 3863377.25	4.02E-05	6.33E-09	2.20E-09	4.92E-05	7.75E-09	2.70E-09	4.31E-05	6.79E-09	2.37E-09
5028	492863.09, 3863377.25	4.13E-05	6.50E-09	2.27E-09	5.06E-05	7.97E-09	2.78E-09	4.43E-05	6.98E-09	2.43E-09
5029	493363.09, 3863377.25	4.26E-05	6.71E-09	2.34E-09	5.22E-05	8.22E-09	2.86E-09	4.57E-05	7.20E-09	2.51E-09
5030	493863.09, 3863377.25	4.22E-05	6.66E-09	2.32E-09	5.17E-05	8.15E-09	2.84E-09	4.54E-05	7.15E-09	2.49E-09
5031	494363.09, 3863377.25	4.03E-05	6.34E-09	2.21E-09	4.93E-05	7.77E-09	2.71E-09	4.32E-05	6.81E-09	2.37E-09
5032	494863.09, 3863377.25	3.87E-05	6.09E-09	2.12E-09	4.74E-05	7.46E-09	2.60E-09	4.15E-05	6.54E-09	2.28E-09
5033	495363.09, 3863377.25	3.79E-05	5.97E-09	2.08E-09	4.64E-05	7.31E-09	2.55E-09	4.07E-05	6.41E-09	2.23E-09
5034	495863.09, 3863377.25	3.75E-05	5.92E-09	2.06E-09	4.60E-05	7.24E-09	2.52E-09	4.03E-05	6.35E-09	2.21E-09
5035	496363.09, 3863377.25	3.62E-05	5.70E-09	1.99E-09	4.43E-05	6.98E-09	2.43E-09	3.89E-05	6.12E-09	2.13E-09
5036	496863.09, 3863377.25	3.57E-05	5.62E-09	1.96E-09	4.37E-05	6.89E-09	2.40E-09	3.83E-05	6.04E-09	2.10E-09
5037	497363.09, 3863377.25	3.61E-05	5.69E-09	1.98E-09	4.43E-05	6.97E-09	2.43E-09	3.88E-05	6.11E-09	2.13E-09
5038	497863.09, 3863377.25	3.68E-05	5.79E-09	2.02E-09	4.50E-05	7.09E-09	2.47E-09	3.95E-05	6.22E-09	2.17E-09
5039	498363.09, 3863377.25	3.72E-05	5.86E-09	2.04E-09	4.56E-05	7.18E-09	2.50E-09	3.99E-05	6.29E-09	2.19E-09
5040	471363.09, 3863877.25	1.68E-05	2.65E-09	9.23E-10	2.06E-05	3.25E-09	1.13E-09	1.81E-05	2.85E-09	9.92E-10
5041	471863.09, 3863877.25	1.74E-05	2.74E-09	9.54E-10	2.13E-05	3.36E-09	1.17E-09	1.87E-05	2.94E-09	1.03E-09
5042	472363.09, 3863877.25	1.79E-05	2.82E-09	9.82E-10	2.19E-05	3.45E-09	1.20E-09	1.92E-05	3.03E-09	1.06E-09
5043	472863.09, 3863877.25	1.84E-05	2.90E-09	1.01E-09	2.26E-05	3.56E-09	1.24E-09	1.98E-05	3.12E-09	1.09E-09
5044	473363.09, 3863877.25	1.90E-05	2.99E-09	1.04E-09	2.32E-05	3.66E-09	1.27E-09	2.04E-05	3.21E-09	1.12E-09
5045	473863.09, 3863877.25	1.95E-05	3.08E-09	1.07E-09	2.39E-05	3.77E-09	1.31E-09	2.10E-05	3.31E-09	1.15E-09
5046	474363.09, 3863877.25	2.01E-05	3.16E-09	1.10E-09	2.46E-05	3.87E-09	1.35E-09	2.16E-05	3.40E-09	1.18E-09
5047	474863.09, 3863877.25	2.06E-05	3.24E-09	1.13E-09	2.52E-05	3.97E-09	1.38E-09	2.21E-05	3.48E-09	1.21E-09
5048	475363.09, 3863877.25	2.12E-05	3.35E-09	1.17E-09	2.60E-05	4.10E-09	1.43E-09	2.28E-05	3.60E-09	1.25E-09
5049	475863.09, 3863877.25	2.19E-05	3.45E-09	1.20E-09	2.68E-05	4.23E-09	1.47E-09	2.35E-05	3.71E-09	1.29E-09
5050	476363.09, 3863877.25	2.28E-05	3.59E-09	1.25E-09	2.79E-05	4.39E-09	1.53E-09	2.45E-05	3.85E-09	1.34E-09
5051	476863.09, 3863877.25	2.37E-05	3.73E-09	1.30E-09	2.90E-05	4.57E-09	1.59E-09	2.55E-05	4.01E-09	1.40E-09
5052	477363.09, 3863877.25	2.47E-05	3.90E-09	1.36E-09	3.03E-05	4.78E-09	1.66E-09	2.66E-05	4.19E-09	1.46E-09
5053	477863.09, 3863877.25	2.59E-05	4.09E-09	1.42E-09	3.18E-05	5.01E-09	1.74E-09	2.79E-05	4.39E-09	1.53E-09
5054	478363.09, 3863877.25	2.70E-05	4.25E-09	1.48E-09	3.31E-05	5.21E-09	1.81E-09	2.90E-05	4.57E-09	1.59E-09
5055	478863.09, 3863877.25	2.83E-05	4.45E-09	1.55E-09	3.46E-05	5.45E-09	1.90E-09	3.04E-05	4.78E-09	1.67E-09
5056	479363.09, 3863877.25	2.92E-05	4.60E-09	1.60E-09	3.58E-05	5.64E-09	1.96E-09	3.14E-05	4.94E-09	1.72E-09
5057	479863.09, 3863877.25	3.02E-05	4.76E-09	1.66E-09	3.70E-05	5.83E-09	2.03E-09	3.24E-05	5.11E-09	1.78E-09
5058	480363.09, 3863877.25	3.11E-05	4.91E-09	1.71E-09	3.81E-05	6.01E-09	2.09E-09	3.35E-05	5.27E-09	1.84E-09
5059	480863.09, 3863877.25	3.22E-05	5.07E-09	1.77E-09	3.94E-05	6.21E-09	2.16E-09	3.46E-05	5.45E-09	1.90E-09
5060	481363.09, 3863877.25	3.32E-05	5.23E-09	1.82E-09	4.06E-05	6.40E-09	2.23E-09	3.57E-05	5.62E-09	1.96E-09
5061	481863.09, 3863877.25	3.43E-05	5.41E-09	1.88E-09	4.20E-05	6.62E-09	2.31E-09	3.69E-05	5.81E-09	2.02E-09
5062	482363.09, 3863877.25	3.54E-05	5.58E-09	1.95E-09	4.34E-05	6.84E-09	2.38E-09	3.81E-05	6.00E-09	2.09E-09
5063	482863.09, 3863877.25	3.61E-05	5.69E-09	1.98E-09	4.42E-05	6.96E-09	2.43E-09	3.88E-05	6.11E-09	2.13E-09
5064	483363.09, 3863877.25	3.67E-05	5.78E-09	2.01E-09	4.49E-05	7.08E-09	2.47E-09	3.94E-05	6.21E-09	2.16E-09
5065	483863.09, 3863877.25	3.72E-05	5.86E-09	2.04E-09	4.56E-05	7.18E-09	2.50E-09	4.00E-05	6.30E-09	2.19E-09
5066	484363.09, 3863877.25	3.72E-05	5.86E-09	2.04E-09	4.56E-05	7.18E-09	2.50E-09	4.00E-05	6.30E-09	2.19E-09
5067	484863.09, 3863877.25	3.71E-05	5.84E-09	2.04E-09	4.54E-05	7.15E-09	2.49E-09	3.99E-05	6.28E-09	2.19E-09
5068	485363.09, 3863877.25	3.69E-05	5.81E-09	2.02E-09	4.52E-05	7.11E-09	2.48E-09	3.96E-05	6.24E-09	2.17E-09
5069	485863.09, 3863877.25	3.67E-05	5.79E-09	2.02E-09	4.50E-05	7.09E-09	2.47E-09	3.95E-05	6.22E-09	2.17E-09
5070	486363.09, 3863877.25	3.62E-05	5.71E-09	1.99E-09	4.44E-05	6.99E-09	2.44E-09	3.89E-05	6.13E-09	2.14E-09
5071	486863.09, 3863877.25	3.60E-05	5.67E-09	1.97E-09	4.41E-05	6.94E-09	2.42E-09	3.86E-05	6.09E-09	2.12E-09
5072	487363.09, 3863877.25	3.57E-05	5.62E-09	1.96E-09	4.37E-05	6.89E-09	2.40E-09	3.84E-05	6.04E-09	2.11E-09
5073	487863.09, 3863877.25	3.54E-05	5.57E-09	1.94E-09	4.33E-05	6.82E-09	2.38E-09	3.80E-05	5.99E-09	2.09E-09
5074	488363.09, 3863877.25	3.53E-05	5.56E-09	1.94E-09	4.32E-05	6.81E-09	2.37E-09	3.79E-05	5.97E-09	2.08E-09
5075	488863.09, 3863877.25	3.51E-05	5.53E-09	1.93E-09	4.30E-05	6.77E-09	2.36E-09	3.77E-05	5.94E-09	2.07E-09
5076	489363.09, 3863877.25	3.47E-05	5.47E-09	1.91E-09	4.25E-05	6.70E-09	2.33E-09	3.73E-05	5.88E-09	2.05E-09
5077	489863.09, 3863877.25	3.45E-05	5.44E-09	1.89E-09	4.23E-05	6.66E-09	2.32E-09	3.71E-05	5.84E-09	2.04E-09
5078	490363.09, 3863877.25	3.45E-05	5.44E-09	1.89E-09	4.23E-05	6.66E-09	2.32E-09	3.71E-05	5.84E-09	2.03E-09
5079	490863.09, 3863877.25	3.48E-05	5.49E-09	1.91E-09	4.27E-05	6.72E-09	2.34E-09	3.74E-05	5.89E-09	2.05E-09
5080	491363.09, 3863877.25	3.52E-05	5.55E-09	1.93E-09	4.31E-05	6.79E-09	2.37E-09	3.78E-05	5.96E-09	2.07E-09

5081	491863.09, 3863877.25	3.65E-05	5.74E-09	2.00E-09	4.46E-05	7.03E-09	2.45E-09	3.92E-05	6.17E-09	2.15E-09
5082	492363.09, 3863877.25	3.74E-05	5.89E-09	2.05E-09	4.58E-05	7.22E-09	2.51E-09	4.02E-05	6.33E-09	2.20E-09
5083	492863.09, 3863877.25	3.75E-05	5.90E-09	2.06E-09	4.59E-05	7.23E-09	2.52E-09	4.02E-05	6.34E-09	2.21E-09
5084	493363.09, 3863877.25	3.75E-05	5.91E-09	2.06E-09	4.60E-05	7.24E-09	2.52E-09	4.03E-05	6.35E-09	2.21E-09
5085	493863.09, 3863877.25	3.84E-05	6.05E-09	2.11E-09	4.71E-05	7.41E-09	2.58E-09	4.13E-05	6.50E-09	2.26E-09
5086	494363.09, 3863877.25	3.82E-05	6.01E-09	2.09E-09	4.67E-05	7.36E-09	2.57E-09	4.10E-05	6.45E-09	2.25E-09
5087	494863.09, 3863877.25	3.67E-05	5.79E-09	2.02E-09	4.50E-05	7.09E-09	2.47E-09	3.94E-05	6.21E-09	2.16E-09
5088	495363.09, 3863877.25	3.52E-05	5.54E-09	1.93E-09	4.31E-05	6.78E-09	2.36E-09	3.77E-05	5.95E-09	2.07E-09
5089	495863.09, 3863877.25	3.41E-05	5.37E-09	1.87E-09	4.18E-05	6.58E-09	2.29E-09	3.66E-05	5.77E-09	2.01E-09
5090	496363.09, 3863877.25	3.31E-05	5.22E-09	1.82E-09	4.06E-05	6.39E-09	2.23E-09	3.56E-05	5.60E-09	1.95E-09
5091	496863.09, 3863877.25	3.25E-05	5.11E-09	1.78E-09	3.98E-05	6.26E-09	2.18E-09	3.49E-05	5.49E-09	1.91E-09
5092	497363.09, 3863877.25	3.22E-05	5.06E-09	1.76E-09	3.94E-05	6.20E-09	2.16E-09	3.45E-05	5.44E-09	1.89E-09
5093	497863.09, 3863877.25	3.23E-05	5.08E-09	1.77E-09	3.95E-05	6.23E-09	2.17E-09	3.47E-05	5.46E-09	1.90E-09
5094	498363.09, 3863877.25	3.25E-05	5.12E-09	1.78E-09	3.98E-05	6.27E-09	2.18E-09	3.49E-05	5.49E-09	1.91E-09
5095	471363.09, 3864377.25	1.61E-05	2.54E-09	8.85E-10	1.98E-05	3.11E-09	1.08E-09	1.73E-05	2.73E-09	9.51E-10
5096	471863.09, 3864377.25	1.66E-05	2.61E-09	9.10E-10	2.03E-05	3.20E-09	1.11E-09	1.78E-05	2.81E-09	9.78E-10
5097	472363.09, 3864377.25	1.70E-05	2.69E-09	9.35E-10	2.09E-05	3.29E-09	1.15E-09	1.83E-05	2.88E-09	1.00E-09
5098	472863.09, 3864377.25	1.75E-05	2.76E-09	9.60E-10	2.14E-05	3.38E-09	1.18E-09	1.88E-05	2.96E-09	1.03E-09
5099	473363.09, 3864377.25	1.79E-05	2.82E-09	9.83E-10	2.19E-05	3.46E-09	1.20E-09	1.92E-05	3.03E-09	1.06E-09
5100	473863.09, 3864377.25	1.83E-05	2.89E-09	1.01E-09	2.25E-05	3.54E-09	1.23E-09	1.97E-05	3.10E-09	1.08E-09
5101	474363.09, 3864377.25	1.88E-05	2.96E-09	1.03E-09	2.30E-05	3.63E-09	1.26E-09	2.02E-05	3.18E-09	1.11E-09
5102	474863.09, 3864377.25	1.93E-05	3.04E-09	1.06E-09	2.36E-05	3.72E-09	1.30E-09	2.07E-05	3.26E-09	1.14E-09
5103	475363.09, 3864377.25	1.99E-05	3.14E-09	1.09E-09	2.44E-05	3.84E-09	1.34E-09	2.14E-05	3.37E-09	1.17E-09
5104	475863.09, 3864377.25	2.06E-05	3.25E-09	1.13E-09	2.52E-05	3.98E-09	1.39E-09	2.21E-05	3.49E-09	1.22E-09
5105	476363.09, 3864377.25	2.15E-05	3.38E-09	1.18E-09	2.63E-05	4.14E-09	1.44E-09	2.31E-05	3.63E-09	1.27E-09
5106	476863.09, 3864377.25	2.24E-05	3.53E-09	1.23E-09	2.74E-05	4.32E-09	1.50E-09	2.40E-05	3.79E-09	1.32E-09
5107	477363.09, 3864377.25	2.32E-05	3.65E-09	1.27E-09	2.84E-05	4.48E-09	1.56E-09	2.49E-05	3.93E-09	1.37E-09
5108	477863.09, 3864377.25	2.41E-05	3.80E-09	1.32E-09	2.95E-05	4.65E-09	1.62E-09	2.59E-05	4.08E-09	1.42E-09
5109	478363.09, 3864377.25	2.51E-05	3.95E-09	1.38E-09	3.07E-05	4.84E-09	1.69E-09	2.69E-05	4.24E-09	1.48E-09
5110	478863.09, 3864377.25	2.61E-05	4.10E-09	1.43E-09	3.19E-05	5.03E-09	1.75E-09	2.80E-05	4.41E-09	1.54E-09
5111	479363.09, 3864377.25	2.69E-05	4.24E-09	1.48E-09	3.30E-05	5.20E-09	1.81E-09	2.89E-05	4.56E-09	1.59E-09
5112	479863.09, 3864377.25	2.79E-05	4.40E-09	1.53E-09	3.42E-05	5.39E-09	1.88E-09	3.00E-05	4.73E-09	1.65E-09
5113	480363.09, 3864377.25	2.89E-05	4.55E-09	1.59E-09	3.54E-05	5.58E-09	1.94E-09	3.11E-05	4.89E-09	1.71E-09
5114	480863.09, 3864377.25	2.96E-05	4.66E-09	1.62E-09	3.62E-05	5.71E-09	1.99E-09	3.18E-05	5.01E-09	1.74E-09
5115	481363.09, 3864377.25	3.04E-05	4.79E-09	1.67E-09	3.73E-05	5.87E-09	2.05E-09	3.27E-05	5.15E-09	1.79E-09
5116	481863.09, 3864377.25	3.14E-05	4.95E-09	1.72E-09	3.85E-05	6.06E-09	2.11E-09	3.37E-05	5.31E-09	1.85E-09
5117	482363.09, 3864377.25	3.22E-05	5.07E-09	1.77E-09	3.94E-05	6.21E-09	2.16E-09	3.46E-05	5.44E-09	1.90E-09
5118	482863.09, 3864377.25	3.27E-05	5.16E-09	1.80E-09	4.01E-05	6.32E-09	2.20E-09	3.52E-05	5.54E-09	1.93E-09
5119	483363.09, 3864377.25	3.31E-05	5.22E-09	1.82E-09	4.06E-05	6.39E-09	2.23E-09	3.56E-05	5.61E-09	1.95E-09
5120	483863.09, 3864377.25	3.34E-05	5.26E-09	1.83E-09	4.09E-05	6.45E-09	2.25E-09	3.59E-05	5.65E-09	1.97E-09
5121	484363.09, 3864377.25	3.35E-05	5.27E-09	1.84E-09	4.10E-05	6.46E-09	2.25E-09	3.60E-05	5.66E-09	1.97E-09
5122	484863.09, 3864377.25	3.33E-05	5.24E-09	1.83E-09	4.07E-05	6.42E-09	2.24E-09	3.57E-05	5.63E-09	1.96E-09
5123	485363.09, 3864377.25	3.31E-05	5.22E-09	1.82E-09	4.05E-05	6.39E-09	2.23E-09	3.56E-05	5.60E-09	1.95E-09
5124	485863.09, 3864377.25	3.28E-05	5.17E-09	1.80E-09	4.02E-05	6.34E-09	2.21E-09	3.53E-05	5.56E-09	1.94E-09
5125	486363.09, 3864377.25	3.25E-05	5.12E-09	1.78E-09	3.98E-05	6.28E-09	2.19E-09	3.49E-05	5.50E-09	1.92E-09
5126	486863.09, 3864377.25	3.24E-05	5.10E-09	1.78E-09	3.96E-05	6.24E-09	2.18E-09	3.48E-05	5.48E-09	1.91E-09
5127	487363.09, 3864377.25	3.22E-05	5.07E-09	1.77E-09	3.94E-05	6.21E-09	2.16E-09	3.46E-05	5.45E-09	1.90E-09
5128	487863.09, 3864377.25	3.19E-05	5.03E-09	1.75E-09	3.91E-05	6.16E-09	2.14E-09	3.43E-05	5.40E-09	1.88E-09
5129	488363.09, 3864377.25	3.18E-05	5.01E-09	1.74E-09	3.89E-05	6.13E-09	2.14E-09	3.42E-05	5.38E-09	1.87E-09
5130	488863.09, 3864377.25	3.17E-05	5.00E-09	1.74E-09	3.89E-05	6.12E-09	2.13E-09	3.41E-05	5.37E-09	1.87E-09
5131	489363.09, 3864377.25	3.14E-05	4.95E-09	1.72E-09	3.85E-05	6.06E-09	2.11E-09	3.37E-05	5.32E-09	1.85E-09
5132	489863.09, 3864377.25	3.12E-05	4.91E-09	1.71E-09	3.82E-05	6.01E-09	2.10E-09	3.35E-05	5.27E-09	1.84E-09
5133	490363.09, 3864377.25	3.11E-05	4.90E-09	1.71E-09	3.81E-05	6.00E-09	2.09E-09	3.34E-05	5.26E-09	1.83E-09
5134	490863.09, 3864377.25	3.14E-05	4.95E-09	1.72E-09	3.85E-05	6.06E-09	2.11E-09	3.38E-05	5.32E-09	1.85E-09
5135	491363.09, 3864377.25	3.30E-05	5.20E-09	1.81E-09	4.04E-05	6.37E-09	2.22E-09	3.54E-05	5.58E-09	1.94E-09
5136	491863.09, 3864377.25	2.38E-05	3.76E-09	1.31E-09	2.92E-05	4.60E-09	1.60E-09	2.56E-05	4.03E-09	1.40E-09
5137	492363.09, 3864377.25	3.27E-05	5.15E-09	1.79E-09	4.00E-05	6.30E-09	2.20E-09	3.51E-05	5.53E-09	1.93E-09
5138	492863.09, 3864377.25	2.79E-05	4.39E-09	1.53E-09	3.41E-05	5.38E-09	1.87E-09	2.99E-05	4.71E-09	1.64E-09
5139	493363.09, 3864377.25	3.15E-05	4.96E-09	1.73E-09	3.85E-05	6.07E-09	2.11E-09	3.38E-05	5.32E-09	1.85E-09
5140	493863.09, 3864377.25	3.33E-05	5.24E-09	1.83E-09	4.07E-05	6.42E-09	2.24E-09	3.57E-05	5.63E-09	1.96E-09
5141	494363.09, 3864377.25	3.46E-05	5.44E-09	1.90E-09	4.23E-05	6.67E-09	2.32E-09	3.71E-05	5.84E-09	2.04E-09
5142	494863.09, 3864377.25	3.44E-05	5.42E-09	1.89E-09	4.22E-05	6.64E-09	2.31E-09	3.70E-05	5.82E-09	2.03E-09

5143	495363.09, 3864377.25	3.33E-05	5.24E-09	1.83E-09	4.07E-05	6.42E-09	2.24E-09	3.57E-05	5.63E-09	1.96E-09
5144	495863.09, 3864377.25	3.19E-05	5.02E-09	1.75E-09	3.90E-05	6.15E-09	2.14E-09	3.42E-05	5.39E-09	1.88E-09
5145	496363.09, 3864377.25	3.07E-05	4.84E-09	1.69E-09	3.76E-05	5.93E-09	2.06E-09	3.30E-05	5.19E-09	1.81E-09
5146	496863.09, 3864377.25	3.00E-05	4.73E-09	1.65E-09	3.68E-05	5.79E-09	2.02E-09	3.22E-05	5.08E-09	1.77E-09
5147	497363.09, 3864377.25	2.94E-05	4.64E-09	1.62E-09	3.61E-05	5.68E-09	1.98E-09	3.16E-05	4.98E-09	1.73E-09
5148	497863.09, 3864377.25	2.95E-05	4.65E-09	1.62E-09	3.61E-05	5.69E-09	1.98E-09	3.17E-05	4.99E-09	1.74E-09
5149	498363.09, 3864377.25	2.91E-05	4.58E-09	1.60E-09	3.56E-05	5.61E-09	1.95E-09	3.12E-05	4.92E-09	1.71E-09
5150	471363.09, 3864877.25	1.54E-05	2.42E-09	8.43E-10	1.88E-05	2.97E-09	1.03E-09	1.65E-05	2.60E-09	9.06E-10
5151	471863.09, 3864877.25	1.58E-05	2.48E-09	8.65E-10	1.93E-05	3.04E-09	1.06E-09	1.69E-05	2.67E-09	9.29E-10
5152	472363.09, 3864877.25	1.61E-05	2.54E-09	8.86E-10	1.98E-05	3.12E-09	1.09E-09	1.73E-05	2.73E-09	9.51E-10
5153	472863.09, 3864877.25	1.65E-05	2.60E-09	9.06E-10	2.02E-05	3.19E-09	1.11E-09	1.77E-05	2.79E-09	9.73E-10
5154	473363.09, 3864877.25	1.68E-05	2.65E-09	9.24E-10	2.06E-05	3.25E-09	1.13E-09	1.81E-05	2.85E-09	9.92E-10
5155	473863.09, 3864877.25	1.72E-05	2.71E-09	9.44E-10	2.11E-05	3.32E-09	1.16E-09	1.85E-05	2.91E-09	1.01E-09
5156	474363.09, 3864877.25	1.76E-05	2.78E-09	9.68E-10	2.16E-05	3.40E-09	1.19E-09	1.90E-05	2.99E-09	1.04E-09
5157	474863.09, 3864877.25	1.82E-05	2.86E-09	9.97E-10	2.22E-05	3.50E-09	1.22E-09	1.95E-05	3.07E-09	1.07E-09
5158	475363.09, 3864877.25	1.88E-05	2.96E-09	1.03E-09	2.30E-05	3.62E-09	1.26E-09	2.02E-05	3.18E-09	1.11E-09
5159	475863.09, 3864877.25	1.95E-05	3.07E-09	1.07E-09	2.38E-05	3.76E-09	1.31E-09	2.09E-05	3.29E-09	1.15E-09
5160	476363.09, 3864877.25	2.02E-05	3.19E-09	1.11E-09	2.48E-05	3.91E-09	1.36E-09	2.17E-05	3.43E-09	1.19E-09
5161	476863.09, 3864877.25	2.11E-05	3.33E-09	1.16E-09	2.59E-05	4.07E-09	1.42E-09	2.27E-05	3.57E-09	1.24E-09
5162	477363.09, 3864877.25	2.18E-05	3.44E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.34E-05	3.69E-09	1.29E-09
5163	477863.09, 3864877.25	2.26E-05	3.56E-09	1.24E-09	2.77E-05	4.36E-09	1.52E-09	2.43E-05	3.82E-09	1.33E-09
5164	478363.09, 3864877.25	2.34E-05	3.69E-09	1.29E-09	2.87E-05	4.52E-09	1.57E-09	2.52E-05	3.96E-09	1.38E-09
5165	478863.09, 3864877.25	2.42E-05	3.82E-09	1.33E-09	2.97E-05	4.68E-09	1.63E-09	2.60E-05	4.10E-09	1.43E-09
5166	479363.09, 3864877.25	2.51E-05	3.95E-09	1.38E-09	3.07E-05	4.84E-09	1.69E-09	2.70E-05	4.25E-09	1.48E-09
5167	479863.09, 3864877.25	2.59E-05	4.08E-09	1.42E-09	3.17E-05	5.00E-09	1.74E-09	2.78E-05	4.39E-09	1.53E-09
5168	480363.09, 3864877.25	2.67E-05	4.21E-09	1.47E-09	3.27E-05	5.16E-09	1.80E-09	2.87E-05	4.52E-09	1.58E-09
5169	480863.09, 3864877.25	2.73E-05	4.30E-09	1.50E-09	3.35E-05	5.27E-09	1.84E-09	2.93E-05	4.62E-09	1.61E-09
5170	481363.09, 3864877.25	2.80E-05	4.42E-09	1.54E-09	3.43E-05	5.41E-09	1.88E-09	3.01E-05	4.74E-09	1.65E-09
5171	481863.09, 3864877.25	2.87E-05	4.52E-09	1.57E-09	3.51E-05	5.54E-09	1.93E-09	3.08E-05	4.86E-09	1.69E-09
5172	482363.09, 3864877.25	2.93E-05	4.62E-09	1.61E-09	3.59E-05	5.66E-09	1.97E-09	3.15E-05	4.96E-09	1.73E-09
5173	482863.09, 3864877.25	2.98E-05	4.70E-09	1.64E-09	3.65E-05	5.75E-09	2.00E-09	3.20E-05	5.05E-09	1.76E-09
5174	483363.09, 3864877.25	3.01E-05	4.75E-09	1.65E-09	3.69E-05	5.82E-09	2.03E-09	3.24E-05	5.10E-09	1.78E-09
5175	483863.09, 3864877.25	3.02E-05	4.76E-09	1.66E-09	3.70E-05	5.83E-09	2.03E-09	3.24E-05	5.11E-09	1.78E-09
5176	484363.09, 3864877.25	3.03E-05	4.77E-09	1.66E-09	3.71E-05	5.84E-09	2.03E-09	3.25E-05	5.12E-09	1.78E-09
5177	484863.09, 3864877.25	3.02E-05	4.75E-09	1.66E-09	3.70E-05	5.82E-09	2.03E-09	3.24E-05	5.11E-09	1.78E-09
5178	485363.09, 3864877.25	3.01E-05	4.74E-09	1.65E-09	3.68E-05	5.80E-09	2.02E-09	3.23E-05	5.09E-09	1.77E-09
5179	485863.09, 3864877.25	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.73E-09	2.00E-09	3.19E-05	5.02E-09	1.75E-09
5180	486363.09, 3864877.25	2.94E-05	4.63E-09	1.61E-09	3.60E-05	5.67E-09	1.98E-09	3.16E-05	4.97E-09	1.73E-09
5181	486863.09, 3864877.25	2.93E-05	4.61E-09	1.61E-09	3.58E-05	5.65E-09	1.97E-09	3.14E-05	4.95E-09	1.73E-09
5182	487363.09, 3864877.25	2.91E-05	4.58E-09	1.59E-09	3.56E-05	5.61E-09	1.95E-09	3.12E-05	4.92E-09	1.71E-09
5183	487863.09, 3864877.25	2.89E-05	4.55E-09	1.59E-09	3.54E-05	5.58E-09	1.94E-09	3.11E-05	4.89E-09	1.70E-09
5184	488363.09, 3864877.25	2.89E-05	4.56E-09	1.59E-09	3.54E-05	5.58E-09	1.94E-09	3.11E-05	4.90E-09	1.71E-09
5185	488863.09, 3864877.25	2.89E-05	4.55E-09	1.59E-09	3.54E-05	5.57E-09	1.94E-09	3.10E-05	4.89E-09	1.70E-09
5186	489363.09, 3864877.25	2.87E-05	4.52E-09	1.57E-09	3.51E-05	5.53E-09	1.93E-09	3.08E-05	4.85E-09	1.69E-09
5187	489863.09, 3864877.25	2.83E-05	4.46E-09	1.56E-09	3.47E-05	5.47E-09	1.91E-09	3.04E-05	4.80E-09	1.67E-09
5188	490363.09, 3864877.25	2.82E-05	4.45E-09	1.55E-09	3.46E-05	5.45E-09	1.90E-09	3.03E-05	4.78E-09	1.67E-09
5189	490863.09, 3864877.25	2.97E-05	4.68E-09	1.63E-09	3.64E-05	5.73E-09	2.00E-09	3.19E-05	5.03E-09	1.75E-09
5190	491363.09, 3864877.25	2.98E-05	4.69E-09	1.63E-09	3.64E-05	5.74E-09	2.00E-09	3.20E-05	5.03E-09	1.75E-09
5191	491863.09, 3864877.25	3.04E-05	4.78E-09	1.67E-09	3.72E-05	5.86E-09	2.04E-09	3.26E-05	5.13E-09	1.79E-09
5192	492363.09, 3864877.25	1.48E-05	2.33E-09	8.12E-10	1.81E-05	2.86E-09	9.95E-10	1.59E-05	2.50E-09	8.73E-10
5193	492863.09, 3864877.25	2.03E-05	3.19E-09	1.11E-09	2.48E-05	3.91E-09	1.36E-09	2.18E-05	3.43E-09	1.19E-09
5194	493363.09, 3864877.25	1.93E-05	3.04E-09	1.06E-09	2.36E-05	3.72E-09	1.30E-09	2.07E-05	3.26E-09	1.14E-09
5195	493863.09, 3864877.25	2.88E-05	4.53E-09	1.58E-09	3.53E-05	5.55E-09	1.93E-09	3.09E-05	4.87E-09	1.70E-09
5196	494363.09, 3864877.25	3.02E-05	4.76E-09	1.66E-09	3.70E-05	5.83E-09	2.03E-09	3.25E-05	5.11E-09	1.78E-09
5197	494863.09, 3864877.25	3.12E-05	4.91E-09	1.71E-09	3.82E-05	6.02E-09	2.10E-09	3.35E-05	5.28E-09	1.84E-09
5198	495363.09, 3864877.25	3.12E-05	4.91E-09	1.71E-09	3.82E-05	6.02E-09	2.10E-09	3.35E-05	5.28E-09	1.84E-09
5199	495863.09, 3864877.25	3.01E-05	4.74E-09	1.65E-09	3.69E-05	5.81E-09	2.02E-09	3.23E-05	5.09E-09	1.77E-09
5200	496363.09, 3864877.25	2.91E-05	4.58E-09	1.59E-09	3.56E-05	5.61E-09	1.95E-09	3.12E-05	4.92E-09	1.71E-09
5201	496863.09, 3864877.25	2.80E-05	4.42E-09	1.54E-09	3.43E-05	5.41E-09	1.88E-09	3.01E-05	4.74E-09	1.65E-09
5202	497363.09, 3864877.25	2.73E-05	4.30E-09	1.50E-09	3.34E-05	5.26E-09	1.83E-09	2.93E-05	4.61E-09	1.61E-09
5203	497863.09, 3864877.25	2.69E-05	4.24E-09	1.48E-09	3.30E-05	5.20E-09	1.81E-09	2.89E-05	4.56E-09	1.59E-09
5204	498363.09, 3864877.25	2.66E-05	4.19E-09	1.46E-09	3.26E-05	5.13E-09	1.79E-09	2.85E-05	4.50E-09	1.57E-09

5205	471363.09, 3865377.25	1.46E-05	2.30E-09	8.00E-10	1.79E-05	2.81E-09	9.80E-10	1.57E-05	2.47E-09	8.59E-10
5206	471863.09, 3865377.25	1.49E-05	2.35E-09	8.19E-10	1.83E-05	2.88E-09	1.00E-09	1.60E-05	2.52E-09	8.79E-10
5207	472363.09, 3865377.25	1.52E-05	2.40E-09	8.36E-10	1.87E-05	2.94E-09	1.02E-09	1.64E-05	2.58E-09	8.97E-10
5208	472863.09, 3865377.25	1.56E-05	2.45E-09	8.54E-10	1.91E-05	3.00E-09	1.05E-09	1.67E-05	2.63E-09	9.18E-10
5209	473363.09, 3865377.25	1.58E-05	2.50E-09	8.70E-10	1.94E-05	3.06E-09	1.07E-09	1.70E-05	2.68E-09	9.34E-10
5210	473863.09, 3865377.25	1.62E-05	2.55E-09	8.90E-10	1.99E-05	3.13E-09	1.09E-09	1.74E-05	2.74E-09	9.56E-10
5211	474363.09, 3865377.25	1.67E-05	2.63E-09	9.15E-10	2.04E-05	3.22E-09	1.12E-09	1.79E-05	2.82E-09	9.83E-10
5212	474863.09, 3865377.25	1.72E-05	2.71E-09	9.46E-10	2.11E-05	3.32E-09	1.16E-09	1.85E-05	2.92E-09	1.02E-09
5213	475363.09, 3865377.25	1.78E-05	2.80E-09	9.77E-10	2.18E-05	3.44E-09	1.20E-09	1.91E-05	3.01E-09	1.05E-09
5214	475863.09, 3865377.25	1.85E-05	2.91E-09	1.01E-09	2.26E-05	3.57E-09	1.24E-09	1.99E-05	3.13E-09	1.09E-09
5215	476363.09, 3865377.25	1.94E-05	3.06E-09	1.07E-09	2.38E-05	3.75E-09	1.31E-09	2.09E-05	3.29E-09	1.15E-09
5216	476863.09, 3865377.25	2.01E-05	3.17E-09	1.10E-09	2.47E-05	3.88E-09	1.35E-09	2.16E-05	3.41E-09	1.19E-09
5217	477363.09, 3865377.25	2.08E-05	3.27E-09	1.14E-09	2.54E-05	4.01E-09	1.40E-09	2.23E-05	3.51E-09	1.22E-09
5218	477863.09, 3865377.25	2.13E-05	3.36E-09	1.17E-09	2.61E-05	4.11E-09	1.43E-09	2.29E-05	3.60E-09	1.26E-09
5219	478363.09, 3865377.25	2.21E-05	3.48E-09	1.21E-09	2.70E-05	4.26E-09	1.48E-09	2.37E-05	3.73E-09	1.30E-09
5220	478863.09, 3865377.25	2.27E-05	3.58E-09	1.25E-09	2.78E-05	4.39E-09	1.53E-09	2.44E-05	3.85E-09	1.34E-09
5221	479363.09, 3865377.25	2.35E-05	3.70E-09	1.29E-09	2.87E-05	4.53E-09	1.58E-09	2.52E-05	3.97E-09	1.38E-09
5222	479863.09, 3865377.25	2.42E-05	3.81E-09	1.33E-09	2.97E-05	4.67E-09	1.63E-09	2.60E-05	4.10E-09	1.43E-09
5223	480363.09, 3865377.25	2.47E-05	3.89E-09	1.36E-09	3.03E-05	4.77E-09	1.66E-09	2.65E-05	4.18E-09	1.46E-09
5224	480863.09, 3865377.25	2.52E-05	3.97E-09	1.38E-09	3.09E-05	4.86E-09	1.69E-09	2.71E-05	4.26E-09	1.49E-09
5225	481363.09, 3865377.25	2.58E-05	4.07E-09	1.42E-09	3.16E-05	4.98E-09	1.74E-09	2.77E-05	4.37E-09	1.52E-09
5226	481863.09, 3865377.25	2.64E-05	4.16E-09	1.45E-09	3.23E-05	5.10E-09	1.78E-09	2.84E-05	4.47E-09	1.56E-09
5227	482363.09, 3865377.25	2.69E-05	4.24E-09	1.48E-09	3.30E-05	5.19E-09	1.81E-09	2.89E-05	4.55E-09	1.59E-09
5228	482863.09, 3865377.25	2.72E-05	4.29E-09	1.50E-09	3.34E-05	5.26E-09	1.83E-09	2.93E-05	4.61E-09	1.61E-09
5229	483363.09, 3865377.25	2.74E-05	4.32E-09	1.51E-09	3.36E-05	5.30E-09	1.84E-09	2.95E-05	4.64E-09	1.62E-09
5230	483863.09, 3865377.25	2.75E-05	4.33E-09	1.51E-09	3.37E-05	5.31E-09	1.85E-09	2.96E-05	4.66E-09	1.62E-09
5231	484363.09, 3865377.25	2.76E-05	4.35E-09	1.52E-09	3.38E-05	5.33E-09	1.86E-09	2.97E-05	4.68E-09	1.63E-09
5232	484863.09, 3865377.25	2.76E-05	4.35E-09	1.52E-09	3.38E-05	5.33E-09	1.86E-09	2.97E-05	4.67E-09	1.63E-09
5233	485363.09, 3865377.25	2.74E-05	4.32E-09	1.50E-09	3.36E-05	5.29E-09	1.84E-09	2.94E-05	4.64E-09	1.62E-09
5234	485863.09, 3865377.25	2.70E-05	4.26E-09	1.48E-09	3.31E-05	5.21E-09	1.82E-09	2.90E-05	4.57E-09	1.59E-09
5235	486363.09, 3865377.25	2.68E-05	4.23E-09	1.47E-09	3.29E-05	5.18E-09	1.80E-09	2.88E-05	4.54E-09	1.58E-09
5236	486863.09, 3865377.25	2.67E-05	4.20E-09	1.46E-09	3.27E-05	5.15E-09	1.79E-09	2.87E-05	4.52E-09	1.57E-09
5237	487363.09, 3865377.25	2.65E-05	4.17E-09	1.45E-09	3.24E-05	5.11E-09	1.78E-09	2.85E-05	4.48E-09	1.56E-09
5238	487863.09, 3865377.25	2.64E-05	4.15E-09	1.45E-09	3.23E-05	5.09E-09	1.77E-09	2.83E-05	4.47E-09	1.56E-09
5239	488363.09, 3865377.25	2.65E-05	4.17E-09	1.45E-09	3.24E-05	5.11E-09	1.78E-09	2.84E-05	4.48E-09	1.56E-09
5240	488863.09, 3865377.25	2.65E-05	4.17E-09	1.45E-09	3.24E-05	5.11E-09	1.78E-09	2.85E-05	4.48E-09	1.56E-09
5241	489363.09, 3865377.25	2.64E-05	4.16E-09	1.45E-09	3.23E-05	5.09E-09	1.77E-09	2.84E-05	4.47E-09	1.56E-09
5242	489863.09, 3865377.25	2.63E-05	4.14E-09	1.44E-09	3.22E-05	5.08E-09	1.77E-09	2.83E-05	4.45E-09	1.55E-09
5243	490363.09, 3865377.25	2.70E-05	4.25E-09	1.48E-09	3.31E-05	5.21E-09	1.82E-09	2.90E-05	4.57E-09	1.59E-09
5244	490863.09, 3865377.25	2.69E-05	4.24E-09	1.48E-09	3.30E-05	5.19E-09	1.81E-09	2.89E-05	4.55E-09	1.59E-09
5245	491363.09, 3865377.25	2.70E-05	4.26E-09	1.48E-09	3.31E-05	5.21E-09	1.82E-09	2.90E-05	4.57E-09	1.59E-09
5246	491863.09, 3865377.25	2.74E-05	4.31E-09	1.50E-09	3.35E-05	5.28E-09	1.84E-09	2.94E-05	4.63E-09	1.61E-09
5247	492363.09, 3865377.25	2.55E-05	4.02E-09	1.40E-09	3.12E-05	4.92E-09	1.71E-09	2.74E-05	4.31E-09	1.50E-09
5248	492863.09, 3865377.25	2.17E-05	3.41E-09	1.19E-09	2.65E-05	4.18E-09	1.46E-09	2.33E-05	3.66E-09	1.28E-09
5249	493363.09, 3865377.25	1.80E-05	2.83E-09	9.88E-10	2.20E-05	3.47E-09	1.21E-09	1.93E-05	3.04E-09	1.06E-09
5250	493863.09, 3865377.25	2.43E-05	3.83E-09	1.33E-09	2.98E-05	4.69E-09	1.63E-09	2.61E-05	4.11E-09	1.43E-09
5251	494363.09, 3865377.25	2.64E-05	4.15E-09	1.45E-09	3.23E-05	5.09E-09	1.77E-09	2.83E-05	4.46E-09	1.55E-09
5252	494863.09, 3865377.25	2.74E-05	4.32E-09	1.50E-09	3.36E-05	5.29E-09	1.84E-09	2.94E-05	4.64E-09	1.62E-09
5253	495363.09, 3865377.25	2.84E-05	4.47E-09	1.56E-09	3.48E-05	5.48E-09	1.91E-09	3.05E-05	4.80E-09	1.67E-09
5254	495863.09, 3865377.25	2.84E-05	4.47E-09	1.56E-09	3.47E-05	5.47E-09	1.91E-09	3.05E-05	4.80E-09	1.67E-09
5255	496363.09, 3865377.25	2.78E-05	4.38E-09	1.53E-09	3.41E-05	5.36E-09	1.87E-09	2.99E-05	4.70E-09	1.64E-09
5256	496863.09, 3865377.25	2.67E-05	4.21E-09	1.47E-09	3.27E-05	5.15E-09	1.80E-09	2.87E-05	4.52E-09	1.57E-09
5257	497363.09, 3865377.25	2.57E-05	4.05E-09	1.41E-09	3.15E-05	4.96E-09	1.73E-09	2.76E-05	4.35E-09	1.51E-09
5258	497863.09, 3865377.25	2.50E-05	3.94E-09	1.37E-09	3.06E-05	4.83E-09	1.68E-09	2.69E-05	4.23E-09	1.47E-09
5259	498363.09, 3865377.25	2.48E-05	3.90E-09	1.36E-09	3.03E-05	4.78E-09	1.66E-09	2.66E-05	4.19E-09	1.46E-09
5260	471363.09, 3865877.25	1.38E-05	2.18E-09	7.59E-10	1.69E-05	2.67E-09	9.30E-10	1.49E-05	2.34E-09	8.15E-10
5261	471863.09, 3865877.25	1.41E-05	2.22E-09	7.74E-10	1.73E-05	2.72E-09	9.48E-10	1.51E-05	2.39E-09	8.31E-10
5262	472363.09, 3865877.25	1.44E-05	2.28E-09	7.93E-10	1.77E-05	2.79E-09	9.71E-10	1.55E-05	2.44E-09	8.51E-10
5263	472863.09, 3865877.25	1.47E-05	2.31E-09	8.04E-10	1.79E-05	2.83E-09	9.85E-10	1.57E-05	2.48E-09	8.64E-10
5264	473363.09, 3865877.25	1.50E-05	2.36E-09	8.22E-10	1.83E-05	2.89E-09	1.01E-09	1.61E-05	2.53E-09	8.83E-10
5265	473863.09, 3865877.25	1.54E-05	2.42E-09	8.44E-10	1.88E-05	2.97E-09	1.03E-09	1.65E-05	2.60E-09	9.07E-10
5266	474363.09, 3865877.25	1.59E-05	2.50E-09	8.70E-10	1.94E-05	3.06E-09	1.07E-09	1.70E-05	2.68E-09	9.35E-10

5267	474863.09, 3865877.25	1.64E-05	2.59E-09	9.02E-10	2.01E-05	3.17E-09	1.10E-09	1.77E-05	2.78E-09	9.69E-10
5268	475363.09, 3865877.25	1.70E-05	2.68E-09	9.33E-10	2.08E-05	3.28E-09	1.14E-09	1.83E-05	2.88E-09	1.00E-09
5269	475863.09, 3865877.25	1.76E-05	2.77E-09	9.66E-10	2.16E-05	3.40E-09	1.18E-09	1.89E-05	2.98E-09	1.04E-09
5270	476363.09, 3865877.25	1.85E-05	2.92E-09	1.02E-09	2.27E-05	3.57E-09	1.24E-09	1.99E-05	3.13E-09	1.09E-09
5271	476863.09, 3865877.25	1.91E-05	3.01E-09	1.05E-09	2.34E-05	3.68E-09	1.28E-09	2.05E-05	3.23E-09	1.13E-09
5272	477363.09, 3865877.25	1.98E-05	3.12E-09	1.09E-09	2.43E-05	3.82E-09	1.33E-09	2.13E-05	3.35E-09	1.17E-09
5273	477863.09, 3865877.25	2.02E-05	3.19E-09	1.11E-09	2.48E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
5274	478363.09, 3865877.25	2.08E-05	3.28E-09	1.14E-09	2.55E-05	4.02E-09	1.40E-09	2.24E-05	3.53E-09	1.23E-09
5275	478863.09, 3865877.25	2.15E-05	3.38E-09	1.18E-09	2.63E-05	4.14E-09	1.44E-09	2.31E-05	3.63E-09	1.27E-09
5276	479363.09, 3865877.25	2.21E-05	3.48E-09	1.21E-09	2.70E-05	4.26E-09	1.48E-09	2.37E-05	3.74E-09	1.30E-09
5277	479863.09, 3865877.25	2.26E-05	3.55E-09	1.24E-09	2.76E-05	4.35E-09	1.52E-09	2.42E-05	3.82E-09	1.33E-09
5278	480363.09, 3865877.25	2.30E-05	3.62E-09	1.26E-09	2.81E-05	4.43E-09	1.54E-09	2.47E-05	3.89E-09	1.35E-09
5279	480863.09, 3865877.25	2.34E-05	3.69E-09	1.29E-09	2.87E-05	4.52E-09	1.57E-09	2.52E-05	3.96E-09	1.38E-09
5280	481363.09, 3865877.25	2.39E-05	3.77E-09	1.31E-09	2.93E-05	4.61E-09	1.61E-09	2.57E-05	4.05E-09	1.41E-09
5281	481863.09, 3865877.25	2.44E-05	3.85E-09	1.34E-09	2.99E-05	4.71E-09	1.64E-09	2.62E-05	4.13E-09	1.44E-09
5282	482363.09, 3865877.25	2.48E-05	3.90E-09	1.36E-09	3.03E-05	4.78E-09	1.66E-09	2.66E-05	4.19E-09	1.46E-09
5283	482863.09, 3865877.25	2.50E-05	3.94E-09	1.37E-09	3.06E-05	4.82E-09	1.68E-09	2.68E-05	4.23E-09	1.47E-09
5284	483363.09, 3865877.25	2.52E-05	3.96E-09	1.38E-09	3.08E-05	4.85E-09	1.69E-09	2.70E-05	4.26E-09	1.48E-09
5285	483863.09, 3865877.25	2.53E-05	3.99E-09	1.39E-09	3.10E-05	4.88E-09	1.70E-09	2.72E-05	4.28E-09	1.49E-09
5286	484363.09, 3865877.25	2.55E-05	4.01E-09	1.40E-09	3.12E-05	4.91E-09	1.71E-09	2.74E-05	4.31E-09	1.50E-09
5287	484863.09, 3865877.25	2.54E-05	3.99E-09	1.39E-09	3.10E-05	4.89E-09	1.70E-09	2.72E-05	4.29E-09	1.49E-09
5288	485363.09, 3865877.25	2.51E-05	3.95E-09	1.37E-09	3.07E-05	4.83E-09	1.68E-09	2.69E-05	4.24E-09	1.48E-09
5289	485863.09, 3865877.25	2.47E-05	3.90E-09	1.36E-09	3.03E-05	4.77E-09	1.66E-09	2.66E-05	4.19E-09	1.46E-09
5290	486363.09, 3865877.25	2.45E-05	3.87E-09	1.35E-09	3.01E-05	4.74E-09	1.65E-09	2.64E-05	4.16E-09	1.45E-09
5291	486863.09, 3865877.25	2.44E-05	3.85E-09	1.34E-09	2.99E-05	4.71E-09	1.64E-09	2.62E-05	4.13E-09	1.44E-09
5292	487363.09, 3865877.25	2.42E-05	3.82E-09	1.33E-09	2.97E-05	4.68E-09	1.63E-09	2.60E-05	4.10E-09	1.43E-09
5293	487863.09, 3865877.25	2.43E-05	3.83E-09	1.33E-09	2.98E-05	4.69E-09	1.63E-09	2.61E-05	4.11E-09	1.43E-09
5294	488363.09, 3865877.25	2.43E-05	3.83E-09	1.34E-09	2.98E-05	4.69E-09	1.64E-09	2.62E-05	4.12E-09	1.44E-09
5295	488863.09, 3865877.25	2.45E-05	3.86E-09	1.34E-09	3.00E-05	4.72E-09	1.65E-09	2.63E-05	4.14E-09	1.44E-09
5296	489363.09, 3865877.25	2.45E-05	3.86E-09	1.35E-09	3.00E-05	4.73E-09	1.65E-09	2.63E-05	4.15E-09	1.45E-09
5297	489863.09, 3865877.25	2.44E-05	3.84E-09	1.34E-09	2.99E-05	4.71E-09	1.64E-09	2.62E-05	4.13E-09	1.44E-09
5298	490363.09, 3865877.25	2.45E-05	3.87E-09	1.35E-09	3.01E-05	4.73E-09	1.65E-09	2.64E-05	4.15E-09	1.45E-09
5299	490863.09, 3865877.25	2.46E-05	3.88E-09	1.35E-09	3.02E-05	4.75E-09	1.66E-09	2.65E-05	4.17E-09	1.45E-09
5300	491363.09, 3865877.25	2.45E-05	3.86E-09	1.34E-09	3.00E-05	4.73E-09	1.65E-09	2.63E-05	4.15E-09	1.44E-09
5301	491863.09, 3865877.25	2.47E-05	3.89E-09	1.36E-09	3.03E-05	4.77E-09	1.66E-09	2.66E-05	4.18E-09	1.46E-09
5302	492363.09, 3865877.25	2.45E-05	3.87E-09	1.35E-09	3.01E-05	4.74E-09	1.65E-09	2.64E-05	4.15E-09	1.45E-09
5303	492863.09, 3865877.25	2.07E-05	3.26E-09	1.13E-09	2.53E-05	3.99E-09	1.39E-09	2.22E-05	3.50E-09	1.22E-09
5304	493363.09, 3865877.25	2.10E-05	3.31E-09	1.15E-09	2.57E-05	4.05E-09	1.41E-09	2.25E-05	3.55E-09	1.24E-09
5305	493863.09, 3865877.25	2.34E-05	3.69E-09	1.28E-09	2.87E-05	4.52E-09	1.57E-09	2.51E-05	3.96E-09	1.38E-09
5306	494363.09, 3865877.25	2.45E-05	3.85E-09	1.34E-09	3.00E-05	4.72E-09	1.64E-09	2.63E-05	4.14E-09	1.44E-09
5307	494863.09, 3865877.25	2.49E-05	3.92E-09	1.37E-09	3.05E-05	4.80E-09	1.67E-09	2.67E-05	4.21E-09	1.47E-09
5308	495363.09, 3865877.25	2.52E-05	3.96E-09	1.38E-09	3.08E-05	4.85E-09	1.69E-09	2.70E-05	4.26E-09	1.48E-09
5309	495863.09, 3865877.25	2.60E-05	4.09E-09	1.43E-09	3.18E-05	5.01E-09	1.75E-09	2.79E-05	4.39E-09	1.53E-09
5310	496363.09, 3865877.25	2.63E-05	4.14E-09	1.44E-09	3.22E-05	5.07E-09	1.77E-09	2.82E-05	4.44E-09	1.55E-09
5311	496863.09, 3865877.25	2.58E-05	4.07E-09	1.42E-09	3.16E-05	4.98E-09	1.74E-09	2.77E-05	4.37E-09	1.52E-09
5312	497363.09, 3865877.25	2.46E-05	3.88E-09	1.35E-09	3.02E-05	4.75E-09	1.66E-09	2.65E-05	4.17E-09	1.45E-09
5313	497863.09, 3865877.25	2.37E-05	3.73E-09	1.30E-09	2.90E-05	4.57E-09	1.59E-09	2.54E-05	4.01E-09	1.40E-09
5314	498363.09, 3865877.25	2.30E-05	3.62E-09	1.26E-09	2.82E-05	4.44E-09	1.55E-09	2.47E-05	3.89E-09	1.35E-09
5315	471363.09, 3866377.25	1.31E-05	2.06E-09	7.19E-10	1.60E-05	2.53E-09	8.80E-10	1.41E-05	2.22E-09	7.72E-10
5316	471863.09, 3866377.25	1.34E-05	2.11E-09	7.35E-10	1.64E-05	2.58E-09	9.00E-10	1.44E-05	2.27E-09	7.89E-10
5317	472363.09, 3866377.25	1.37E-05	2.15E-09	7.50E-10	1.67E-05	2.64E-09	9.18E-10	1.47E-05	2.31E-09	8.06E-10
5318	472863.09, 3866377.25	1.39E-05	2.19E-09	7.62E-10	1.70E-05	2.68E-09	9.34E-10	1.49E-05	2.35E-09	8.19E-10
5319	473363.09, 3866377.25	1.43E-05	2.25E-09	7.83E-10	1.75E-05	2.75E-09	9.59E-10	1.53E-05	2.42E-09	8.42E-10
5320	473863.09, 3866377.25	1.47E-05	2.31E-09	8.05E-10	1.80E-05	2.83E-09	9.86E-10	1.58E-05	2.48E-09	8.65E-10
5321	474363.09, 3866377.25	1.51E-05	2.38E-09	8.31E-10	1.85E-05	2.92E-09	1.02E-09	1.63E-05	2.56E-09	8.92E-10
5322	474863.09, 3866377.25	1.57E-05	2.47E-09	8.61E-10	1.92E-05	3.03E-09	1.05E-09	1.68E-05	2.65E-09	9.24E-10
5323	475363.09, 3866377.25	1.62E-05	2.55E-09	8.87E-10	1.98E-05	3.12E-09	1.09E-09	1.74E-05	2.74E-09	9.53E-10
5324	475863.09, 3866377.25	1.67E-05	2.63E-09	9.15E-10	2.04E-05	3.22E-09	1.12E-09	1.79E-05	2.82E-09	9.83E-10
5325	476363.09, 3866377.25	1.76E-05	2.77E-09	9.65E-10	2.15E-05	3.39E-09	1.18E-09	1.89E-05	2.97E-09	1.04E-09
5326	476863.09, 3866377.25	1.81E-05	2.85E-09	9.91E-10	2.21E-05	3.49E-09	1.21E-09	1.94E-05	3.06E-09	1.07E-09
5327	477363.09, 3866377.25	1.90E-05	2.99E-09	1.04E-09	2.33E-05	3.66E-09	1.28E-09	2.04E-05	3.21E-09	1.12E-09
5328	477863.09, 3866377.25	1.93E-05	3.04E-09	1.06E-09	2.37E-05	3.73E-09	1.30E-09	2.08E-05	3.27E-09	1.14E-09

5329	478363.09, 3866377.25	1.97E-05	3.10E-09	1.08E-09	2.41E-05	3.80E-09	1.32E-09	2.12E-05	3.33E-09	1.16E-09
5330	478863.09, 3866377.25	2.03E-05	3.19E-09	1.11E-09	2.48E-05	3.91E-09	1.36E-09	2.18E-05	3.43E-09	1.20E-09
5331	479363.09, 3866377.25	2.08E-05	3.28E-09	1.14E-09	2.55E-05	4.01E-09	1.40E-09	2.23E-05	3.52E-09	1.23E-09
5332	479863.09, 3866377.25	2.13E-05	3.35E-09	1.17E-09	2.60E-05	4.10E-09	1.43E-09	2.28E-05	3.60E-09	1.25E-09
5333	480363.09, 3866377.25	2.16E-05	3.41E-09	1.19E-09	2.65E-05	4.17E-09	1.45E-09	2.32E-05	3.66E-09	1.28E-09
5334	480863.09, 3866377.25	2.20E-05	3.46E-09	1.21E-09	2.69E-05	4.24E-09	1.48E-09	2.36E-05	3.72E-09	1.29E-09
5335	481363.09, 3866377.25	2.24E-05	3.53E-09	1.23E-09	2.75E-05	4.33E-09	1.51E-09	2.41E-05	3.79E-09	1.32E-09
5336	481863.09, 3866377.25	2.27E-05	3.58E-09	1.25E-09	2.78E-05	4.38E-09	1.53E-09	2.44E-05	3.84E-09	1.34E-09
5337	482363.09, 3866377.25	2.29E-05	3.61E-09	1.26E-09	2.81E-05	4.42E-09	1.54E-09	2.46E-05	3.88E-09	1.35E-09
5338	482863.09, 3866377.25	2.31E-05	3.64E-09	1.27E-09	2.83E-05	4.46E-09	1.55E-09	2.48E-05	3.91E-09	1.36E-09
5339	483363.09, 3866377.25	2.32E-05	3.66E-09	1.27E-09	2.84E-05	4.48E-09	1.56E-09	2.50E-05	3.93E-09	1.37E-09
5340	483863.09, 3866377.25	2.34E-05	3.68E-09	1.28E-09	2.86E-05	4.51E-09	1.57E-09	2.51E-05	3.96E-09	1.38E-09
5341	484363.09, 3866377.25	2.34E-05	3.69E-09	1.29E-09	2.87E-05	4.52E-09	1.58E-09	2.52E-05	3.97E-09	1.38E-09
5342	484863.09, 3866377.25	2.34E-05	3.69E-09	1.29E-09	2.87E-05	4.52E-09	1.58E-09	2.52E-05	3.97E-09	1.38E-09
5343	485363.09, 3866377.25	2.31E-05	3.63E-09	1.27E-09	2.82E-05	4.45E-09	1.55E-09	2.48E-05	3.90E-09	1.36E-09
5344	485863.09, 3866377.25	2.27E-05	3.58E-09	1.25E-09	2.78E-05	4.39E-09	1.53E-09	2.44E-05	3.85E-09	1.34E-09
5345	486363.09, 3866377.25	2.26E-05	3.56E-09	1.24E-09	2.77E-05	4.36E-09	1.52E-09	2.43E-05	3.83E-09	1.33E-09
5346	486863.09, 3866377.25	2.25E-05	3.55E-09	1.24E-09	2.76E-05	4.34E-09	1.51E-09	2.42E-05	3.81E-09	1.33E-09
5347	487363.09, 3866377.25	2.29E-05	3.60E-09	1.25E-09	2.80E-05	4.41E-09	1.54E-09	2.46E-05	3.87E-09	1.35E-09
5348	487863.09, 3866377.25	2.32E-05	3.65E-09	1.27E-09	2.84E-05	4.47E-09	1.56E-09	2.49E-05	3.92E-09	1.37E-09
5349	488363.09, 3866377.25	2.32E-05	3.65E-09	1.27E-09	2.84E-05	4.47E-09	1.56E-09	2.49E-05	3.92E-09	1.37E-09
5350	488863.09, 3866377.25	2.34E-05	3.68E-09	1.28E-09	2.86E-05	4.51E-09	1.57E-09	2.51E-05	3.96E-09	1.38E-09
5351	489363.09, 3866377.25	2.33E-05	3.68E-09	1.28E-09	2.86E-05	4.50E-09	1.57E-09	2.51E-05	3.95E-09	1.38E-09
5352	489863.09, 3866377.25	2.31E-05	3.64E-09	1.27E-09	2.83E-05	4.46E-09	1.55E-09	2.48E-05	3.91E-09	1.36E-09
5353	490363.09, 3866377.25	2.27E-05	3.57E-09	1.24E-09	2.78E-05	4.38E-09	1.52E-09	2.44E-05	3.84E-09	1.34E-09
5354	490863.09, 3866377.25	2.24E-05	3.53E-09	1.23E-09	2.74E-05	4.32E-09	1.51E-09	2.41E-05	3.79E-09	1.32E-09
5355	491363.09, 3866377.25	2.26E-05	3.56E-09	1.24E-09	2.77E-05	4.36E-09	1.52E-09	2.43E-05	3.82E-09	1.33E-09
5356	491863.09, 3866377.25	2.23E-05	3.51E-09	1.22E-09	2.73E-05	4.30E-09	1.50E-09	2.39E-05	3.77E-09	1.31E-09
5357	492363.09, 3866377.25	2.26E-05	3.57E-09	1.24E-09	2.77E-05	4.37E-09	1.52E-09	2.43E-05	3.83E-09	1.34E-09
5358	492863.09, 3866377.25	2.14E-05	3.36E-09	1.17E-09	2.62E-05	4.12E-09	1.44E-09	2.29E-05	3.61E-09	1.26E-09
5359	493363.09, 3866377.25	2.15E-05	3.39E-09	1.18E-09	2.64E-05	4.16E-09	1.45E-09	2.31E-05	3.65E-09	1.27E-09
5360	493863.09, 3866377.25	2.26E-05	3.55E-09	1.24E-09	2.76E-05	4.35E-09	1.52E-09	2.42E-05	3.82E-09	1.33E-09
5361	494363.09, 3866377.25	2.33E-05	3.67E-09	1.28E-09	2.85E-05	4.50E-09	1.57E-09	2.50E-05	3.94E-09	1.37E-09
5362	494863.09, 3866377.25	2.29E-05	3.62E-09	1.26E-09	2.81E-05	4.43E-09	1.54E-09	2.46E-05	3.88E-09	1.35E-09
5363	495363.09, 3866377.25	2.22E-05	3.50E-09	1.22E-09	2.72E-05	4.29E-09	1.49E-09	2.39E-05	3.76E-09	1.31E-09
5364	495863.09, 3866377.25	2.26E-05	3.57E-09	1.24E-09	2.77E-05	4.37E-09	1.52E-09	2.43E-05	3.83E-09	1.33E-09
5365	496363.09, 3866377.25	2.40E-05	3.78E-09	1.32E-09	2.94E-05	4.63E-09	1.61E-09	2.57E-05	4.06E-09	1.41E-09
5366	496863.09, 3866377.25	2.42E-05	3.81E-09	1.33E-09	2.96E-05	4.67E-09	1.63E-09	2.60E-05	4.09E-09	1.43E-09
5367	497363.09, 3866377.25	2.38E-05	3.75E-09	1.31E-09	2.91E-05	4.59E-09	1.60E-09	2.55E-05	4.02E-09	1.40E-09
5368	497863.09, 3866377.25	2.28E-05	3.60E-09	1.25E-09	2.80E-05	4.41E-09	1.54E-09	2.45E-05	3.86E-09	1.35E-09
5369	498363.09, 3866377.25	2.08E-05	3.28E-09	1.14E-09	2.55E-05	4.01E-09	1.40E-09	2.23E-05	3.52E-09	1.23E-09
5370	474494.92, 3848334.16	1.52E-05	2.39E-09	8.32E-10	1.86E-05	2.92E-09	1.02E-09	1.63E-05	2.56E-09	8.93E-10
5371	475167.27, 3848920.79	1.73E-05	2.72E-09	9.49E-10	2.12E-05	3.34E-09	1.16E-09	1.86E-05	2.93E-09	1.02E-09
5372	475297.89, 3848997.96	1.76E-05	2.77E-09	9.67E-10	2.16E-05	3.40E-09	1.18E-09	1.89E-05	2.98E-09	1.04E-09
5373	475439.05, 3849062	1.76E-05	2.77E-09	9.65E-10	2.15E-05	3.39E-09	1.18E-09	1.89E-05	2.97E-09	1.04E-09
5374	475486.86, 3849061.09	1.75E-05	2.75E-09	9.59E-10	2.14E-05	3.37E-09	1.18E-09	1.88E-05	2.96E-09	1.03E-09
5375	475538.46, 3849075.56	1.76E-05	2.77E-09	9.66E-10	2.16E-05	3.40E-09	1.18E-09	1.89E-05	2.98E-09	1.04E-09
5376	475751.79, 3849137.15	1.83E-05	2.89E-09	1.01E-09	2.25E-05	3.54E-09	1.23E-09	1.97E-05	3.10E-09	1.08E-09
5377	476303.62, 3849223.38	1.93E-05	3.03E-09	1.06E-09	2.36E-05	3.72E-09	1.29E-09	2.07E-05	3.26E-09	1.14E-09
5378	476304.51, 3849238.92	1.94E-05	3.05E-09	1.06E-09	2.37E-05	3.73E-09	1.30E-09	2.08E-05	3.28E-09	1.14E-09
5379	476365.04, 3849247.98	1.95E-05	3.06E-09	1.07E-09	2.38E-05	3.75E-09	1.31E-09	2.09E-05	3.29E-09	1.15E-09
5380	476444.86, 3849267.13	1.95E-05	3.07E-09	1.07E-09	2.39E-05	3.76E-09	1.31E-09	2.09E-05	3.30E-09	1.15E-09
5381	476550.75, 3849300.66	1.98E-05	3.12E-09	1.09E-09	2.42E-05	3.82E-09	1.33E-09	2.13E-05	3.35E-09	1.17E-09
5382	476656.71, 3849346.88	2.01E-05	3.16E-09	1.10E-09	2.46E-05	3.87E-09	1.35E-09	2.15E-05	3.39E-09	1.18E-09
5383	476873.55, 3849454.53	2.08E-05	3.28E-09	1.14E-09	2.55E-05	4.02E-09	1.40E-09	2.24E-05	3.53E-09	1.23E-09
5384	477700, 3849859.7	2.38E-05	3.75E-09	1.31E-09	2.91E-05	4.59E-09	1.60E-09	2.56E-05	4.03E-09	1.40E-09
5385	477743.16, 3849856.38	2.35E-05	3.70E-09	1.29E-09	2.88E-05	4.53E-09	1.58E-09	2.52E-05	3.98E-09	1.39E-09
5386	478477.35, 3850216.33	2.55E-05	4.02E-09	1.40E-09	3.13E-05	4.93E-09	1.72E-09	2.74E-05	4.32E-09	1.51E-09
5387	478485.8, 3850201.6	2.55E-05	4.01E-09	1.40E-09	3.12E-05	4.92E-09	1.71E-09	2.74E-05	4.31E-09	1.50E-09
5388	479113.21, 3850501.53	3.09E-05	4.86E-09	1.69E-09	3.78E-05	5.96E-09	2.08E-09	3.32E-05	5.23E-09	1.82E-09
5389	479108.11, 3850382.28	3.07E-05	4.84E-09	1.69E-09	3.76E-05	5.93E-09	2.07E-09	3.30E-05	5.20E-09	1.81E-09
5390	479689.85, 3850674.28	3.66E-05	5.76E-09	2.01E-09	4.48E-05	7.06E-09	2.46E-09	3.93E-05	6.19E-09	2.16E-09

5391	479952.42, 3850774.28	4.03E-05	6.35E-09	2.21E-09	4.94E-05	7.77E-09	2.71E-09	4.33E-05	6.82E-09	2.38E-09
5392	479911.32, 3850884.85	3.97E-05	6.25E-09	2.18E-09	4.86E-05	7.65E-09	2.67E-09	4.26E-05	6.71E-09	2.34E-09
5393	480500.92, 3851178.12	4.87E-05	7.68E-09	2.68E-09	5.97E-05	9.41E-09	3.28E-09	5.24E-05	8.25E-09	2.87E-09
5394	480738.01, 3851289.27	5.26E-05	8.28E-09	2.88E-09	6.44E-05	1.01E-08	3.53E-09	5.65E-05	8.90E-09	3.10E-09
5395	481055.42, 3851443.58	5.76E-05	9.07E-09	3.16E-09	7.05E-05	1.11E-08	3.87E-09	6.18E-05	9.74E-09	3.39E-09
5396	481110.22, 3851443.15	5.81E-05	9.15E-09	3.19E-09	7.11E-05	1.12E-08	3.90E-09	6.24E-05	9.83E-09	3.42E-09
5397	481111.1, 3851417.45	5.77E-05	9.10E-09	3.17E-09	7.07E-05	1.11E-08	3.88E-09	6.20E-05	9.77E-09	3.41E-09
5398	482248.44, 3852605.09	9.83E-05	1.55E-08	5.40E-09	1.20E-04	1.90E-08	6.61E-09	1.06E-04	1.66E-08	5.80E-09
5399	482273.34, 3852632.31	9.99E-05	1.57E-08	5.48E-09	1.22E-04	1.93E-08	6.72E-09	1.07E-04	1.69E-08	5.89E-09
5400	482665.46, 3853038.72	1.33E-04	2.10E-08	7.32E-09	1.63E-04	2.57E-08	8.96E-09	1.43E-04	2.26E-08	7.87E-09
5401	483077.95, 3853844.31	1.40E-03	2.20E-07	7.66E-08	1.71E-03	2.70E-07	9.39E-08	1.51E-03	2.37E-07	8.27E-08
5402	483121.38, 3853909.38	1.32E-03	2.08E-07	7.24E-08	1.62E-03	2.55E-07	8.87E-08	1.42E-03	2.24E-07	7.82E-08
5403	483492.64, 3853911.49	6.71E-04	1.06E-07	3.68E-08	8.22E-04	1.29E-07	4.51E-08	7.23E-04	1.14E-07	3.97E-08
5404	483498.29, 3854204.73	9.22E-04	1.45E-07	5.06E-08	1.13E-03	1.78E-07	6.20E-08	9.93E-04	1.56E-07	5.45E-08
5405	484132.44, 3854662.55	1.89E-03	2.97E-07	1.04E-07	2.31E-03	3.64E-07	1.27E-07	2.03E-03	3.20E-07	1.11E-07
5406	484627.62, 3854876.13	7.16E-03	1.13E-06	3.93E-07	8.78E-03	1.38E-06	4.82E-07	7.68E-03	1.21E-06	4.22E-07
5407	484756.14, 3854949.04	6.86E-03	1.08E-06	3.77E-07	8.41E-03	1.32E-06	4.61E-07	7.33E-03	1.16E-06	4.03E-07
5408	486697.51, 3856599.17	6.58E-03	1.04E-06	3.61E-07	8.06E-03	1.27E-06	4.43E-07	7.11E-03	1.12E-06	3.90E-07
5409	487105.31, 3856962.27	6.22E-03	9.79E-07	3.41E-07	7.61E-03	1.20E-06	4.18E-07	6.70E-03	1.06E-06	3.68E-07
5410	487157.57, 3856901.7	4.73E-03	7.45E-07	2.60E-07	5.79E-03	9.13E-07	3.18E-07	5.10E-03	8.03E-07	2.80E-07
5411	487173.5, 3856853.74	4.18E-03	6.59E-07	2.30E-07	5.12E-03	8.07E-07	2.81E-07	4.51E-03	7.11E-07	2.48E-07
5412	487564.41, 3856860.83	2.50E-03	3.94E-07	1.37E-07	3.07E-03	4.83E-07	1.68E-07	2.69E-03	4.24E-07	1.48E-07
5413	487563.31, 3856931.58	2.57E-03	4.05E-07	1.41E-07	3.15E-03	4.97E-07	1.73E-07	2.76E-03	4.35E-07	1.52E-07
5414	487782.7, 3856926.85	2.11E-03	3.32E-07	1.16E-07	2.58E-03	4.06E-07	1.42E-07	2.26E-03	3.56E-07	1.24E-07
5415	487782.39, 3856757.07	1.98E-03	3.11E-07	1.08E-07	2.42E-03	3.81E-07	1.33E-07	2.13E-03	3.35E-07	1.17E-07
5416	487917.26, 3856752.41	1.79E-03	2.82E-07	9.84E-08	2.20E-03	3.46E-07	1.21E-07	1.93E-03	3.04E-07	1.06E-07
5417	487919.57, 3856953.35	1.91E-03	3.01E-07	1.05E-07	2.34E-03	3.69E-07	1.29E-07	2.05E-03	3.23E-07	1.12E-07
5418	487932.76, 3857000.32	1.93E-03	3.03E-07	1.06E-07	2.36E-03	3.72E-07	1.29E-07	2.06E-03	3.24E-07	1.13E-07
5419	487960.5, 3857044.75	1.92E-03	3.02E-07	1.05E-07	2.35E-03	3.70E-07	1.29E-07	2.05E-03	3.23E-07	1.12E-07
5420	488016.54, 3857089.54	1.88E-03	2.96E-07	1.03E-07	2.30E-03	3.62E-07	1.26E-07	2.00E-03	3.15E-07	1.10E-07
5421	488114.39, 3857165.47	1.80E-03	2.83E-07	9.87E-08	2.20E-03	3.47E-07	1.21E-07	1.91E-03	3.01E-07	1.05E-07
5422	488171.49, 3857234.24	1.76E-03	2.78E-07	9.67E-08	2.16E-03	3.40E-07	1.18E-07	1.87E-03	2.95E-07	1.03E-07
5423	488193.16, 3857297.8	1.76E-03	2.77E-07	9.65E-08	2.15E-03	3.39E-07	1.18E-07	1.87E-03	2.94E-07	1.03E-07
5424	488189.27, 3857649.94	1.91E-03	3.00E-07	1.05E-07	2.33E-03	3.68E-07	1.28E-07	2.04E-03	3.21E-07	1.12E-07
5425	488127.43, 3857732.32	2.07E-03	3.26E-07	1.13E-07	2.53E-03	3.99E-07	1.39E-07	2.22E-03	3.49E-07	1.22E-07
5426	488149.93, 3857752.94	1.99E-03	3.14E-07	1.09E-07	2.44E-03	3.84E-07	1.34E-07	2.14E-03	3.37E-07	1.17E-07
5427	488144.76, 3857758.71	2.00E-03	3.15E-07	1.10E-07	2.45E-03	3.86E-07	1.35E-07	2.15E-03	3.38E-07	1.18E-07
5428	488335.58, 3857932.55	1.41E-03	2.22E-07	7.73E-08	1.72E-03	2.72E-07	9.46E-08	1.51E-03	2.38E-07	8.30E-08
5429	488372.29, 3857943.79	1.36E-03	2.14E-07	7.44E-08	1.66E-03	2.61E-07	9.11E-08	1.46E-03	2.29E-07	7.99E-08
5430	488828.64, 3857936.4	1.01E-03	1.59E-07	5.54E-08	1.24E-03	1.95E-07	6.79E-08	1.08E-03	1.71E-07	5.95E-08
5431	488829.08, 3857959.58	1.00E-03	1.58E-07	5.49E-08	1.23E-03	1.93E-07	6.73E-08	1.07E-03	1.69E-07	5.89E-08
5432	488351.61, 3857964.55	1.36E-03	2.15E-07	7.48E-08	1.67E-03	2.63E-07	9.15E-08	1.46E-03	2.31E-07	8.03E-08
5433	488316.87, 3857947.65	1.42E-03	2.23E-07	7.78E-08	1.73E-03	2.73E-07	9.52E-08	1.52E-03	2.40E-07	8.35E-08
5434	488129.1, 3857775.77	2.03E-03	3.20E-07	1.11E-07	2.49E-03	3.91E-07	1.36E-07	2.18E-03	3.43E-07	1.20E-07
5435	488062.53, 3857846.13	2.09E-03	3.30E-07	1.15E-07	2.56E-03	4.04E-07	1.41E-07	2.25E-03	3.54E-07	1.23E-07
5436	488330.41, 3858091.34	1.34E-03	2.11E-07	7.36E-08	1.64E-03	2.59E-07	9.01E-08	1.44E-03	2.27E-07	7.92E-08
5437	488470.87, 3858174.45	1.23E-03	1.93E-07	6.74E-08	1.50E-03	2.37E-07	8.25E-08	1.32E-03	2.08E-07	7.25E-08
5438	488568.9, 3858262.31	1.21E-03	1.90E-07	6.63E-08	1.48E-03	2.33E-07	8.12E-08	1.30E-03	2.05E-07	7.14E-08
5439	488964.27, 3858025.71	9.15E-04	1.44E-07	5.02E-08	1.12E-03	1.76E-07	6.15E-08	9.82E-04	1.55E-07	5.39E-08
5440	489147.25, 3857956.64	8.63E-04	1.36E-07	4.74E-08	1.06E-03	1.67E-07	5.80E-08	9.26E-04	1.46E-07	5.08E-08
5441	489343.52, 3857932.45	8.04E-04	1.27E-07	4.42E-08	9.85E-04	1.55E-07	5.41E-08	8.63E-04	1.36E-07	4.73E-08
5442	489866.19, 3857923.19	6.67E-04	1.05E-07	3.66E-08	8.17E-04	1.29E-07	4.48E-08	7.15E-04	1.13E-07	3.93E-08
5443	489955.65, 3857902.27	6.51E-04	1.03E-07	3.57E-08	7.97E-04	1.26E-07	4.38E-08	6.98E-04	1.10E-07	3.83E-08
5444	490079.44, 3857847.9	6.35E-04	1.00E-07	3.48E-08	7.77E-04	1.22E-07	4.26E-08	6.80E-04	1.07E-07	3.73E-08
5445	490108.49, 3857934.13	6.14E-04	9.68E-08	3.37E-08	7.52E-04	1.18E-07	4.13E-08	6.59E-04	1.04E-07	3.61E-08
5446	489884.48, 3858014.17	6.46E-04	1.02E-07	3.55E-08	7.91E-04	1.25E-07	4.34E-08	6.93E-04	1.09E-07	3.80E-08
5447	489326.56, 3858025.86	7.85E-04	1.24E-07	4.31E-08	9.62E-04	1.52E-07	5.28E-08	8.43E-04	1.33E-07	4.63E-08
5448	489130.38, 3858056.71	8.43E-04	1.33E-07	4.62E-08	1.03E-03	1.63E-07	5.66E-08	9.04E-04	1.42E-07	4.96E-08
5449	488936.49, 3858143.93	9.06E-04	1.43E-07	4.97E-08	1.11E-03	1.75E-07	6.09E-08	9.73E-04	1.53E-07	5.34E-08
5450	488638.08, 3858327.45	1.19E-03	1.88E-07	6.56E-08	1.46E-03	2.31E-07	8.03E-08	1.29E-03	2.03E-07	7.06E-08
5451	488663.79, 3858349.57	1.19E-03	1.87E-07	6.52E-08	1.46E-03	2.29E-07	7.99E-08	1.28E-03	2.02E-07	7.03E-08
5452	488694.56, 3858349.5	1.15E-03	1.81E-07	6.31E-08	1.41E-03	2.22E-07	7.73E-08	1.24E-03	1.95E-07	6.80E-08

5453	488694.35, 3858336.75	1.14E-03	1.79E-07	6.24E-08	1.39E-03	2.19E-07	7.64E-08	1.22E-03	1.93E-07	6.72E-08
5454	488712.81, 3858336.38	1.12E-03	1.76E-07	6.12E-08	1.37E-03	2.15E-07	7.50E-08	1.20E-03	1.89E-07	6.59E-08
5455	488713.23, 3858367.46	1.15E-03	1.81E-07	6.30E-08	1.41E-03	2.21E-07	7.72E-08	1.24E-03	1.95E-07	6.79E-08
5456	488704.63, 3858384.05	1.18E-03	1.86E-07	6.47E-08	1.44E-03	2.28E-07	7.93E-08	1.27E-03	2.00E-07	6.97E-08
5457	488604.15, 3858488.29	1.67E-03	2.63E-07	9.16E-08	2.05E-03	3.22E-07	1.12E-07	1.80E-03	2.84E-07	9.88E-08
5458	488605.66, 3858550.47	2.04E-03	3.21E-07	1.12E-07	2.50E-03	3.94E-07	1.37E-07	2.20E-03	3.47E-07	1.21E-07
5459	488692.68, 3858548.71	1.62E-03	2.55E-07	8.89E-08	1.98E-03	3.13E-07	1.09E-07	1.75E-03	2.75E-07	9.59E-08
5460	488759.93, 3858461.81	1.22E-03	1.92E-07	6.67E-08	1.49E-03	2.35E-07	8.18E-08	1.31E-03	2.06E-07	7.19E-08
5461	488816.57, 3858541.79	1.27E-03	2.00E-07	6.97E-08	1.56E-03	2.45E-07	8.54E-08	1.37E-03	2.16E-07	7.52E-08
5462	488944.63, 3858656.77	1.27E-03	1.99E-07	6.94E-08	1.55E-03	2.44E-07	8.51E-08	1.36E-03	2.15E-07	7.49E-08
5463	489134.91, 3858830.7	1.01E-03	1.59E-07	5.55E-08	1.24E-03	1.95E-07	6.79E-08	1.09E-03	1.72E-07	5.98E-08
5464	489193.99, 3858886.05	7.89E-04	1.24E-07	4.33E-08	9.66E-04	1.52E-07	5.30E-08	8.50E-04	1.34E-07	4.67E-08
5465	489295.2, 3858954.34	5.73E-04	9.02E-08	3.14E-08	7.01E-04	1.10E-07	3.85E-08	6.17E-04	9.72E-08	3.39E-08
5466	489295.64, 3858992.74	5.14E-04	8.09E-08	2.82E-08	6.29E-04	9.91E-08	3.45E-08	5.53E-04	8.72E-08	3.04E-08
5467	489183.74, 3858911.72	7.40E-04	1.17E-07	4.06E-08	9.06E-04	1.43E-07	4.97E-08	7.97E-04	1.26E-07	4.37E-08
5468	488873.37, 3858625.59	1.35E-03	2.13E-07	7.41E-08	1.65E-03	2.61E-07	9.08E-08	1.46E-03	2.29E-07	7.99E-08
5469	488842.84, 3858658.69	1.55E-03	2.45E-07	8.53E-08	1.90E-03	3.00E-07	1.04E-07	1.68E-03	2.64E-07	9.20E-08
5470	488856.39, 3858670.93	1.56E-03	2.45E-07	8.53E-08	1.91E-03	3.00E-07	1.05E-07	1.68E-03	2.64E-07	9.21E-08
5471	488805.7, 3858724.5	2.18E-03	3.43E-07	1.20E-07	2.67E-03	4.21E-07	1.47E-07	2.35E-03	3.71E-07	1.29E-07
5472	488805.87, 3858804.16	3.62E-03	5.70E-07	1.99E-07	4.44E-03	6.99E-07	2.44E-07	3.91E-03	6.16E-07	2.15E-07
5473	488995.78, 3858936.96	8.47E-04	1.33E-07	4.65E-08	1.04E-03	1.63E-07	5.69E-08	9.13E-04	1.44E-07	5.01E-08
5474	489130.76, 3859017.38	5.06E-04	7.96E-08	2.77E-08	6.19E-04	9.76E-08	3.40E-08	5.44E-04	8.58E-08	2.99E-08
5475	489130.92, 3859052.24	4.43E-04	6.98E-08	2.43E-08	5.43E-04	8.55E-08	2.98E-08	4.77E-04	7.52E-08	2.62E-08
5476	489200.33, 3859090.6	3.94E-04	6.21E-08	2.16E-08	4.83E-04	7.60E-08	2.65E-08	4.24E-04	6.68E-08	2.33E-08
5477	489296.07, 3859143.7	3.45E-04	5.44E-08	1.90E-08	4.23E-04	6.67E-08	2.32E-08	3.72E-04	5.86E-08	2.04E-08
5478	489296.43, 3858954.74	5.71E-04	9.00E-08	3.14E-08	7.00E-04	1.10E-07	3.84E-08	6.15E-04	9.70E-08	3.38E-08
5479	489410.33, 3859033.19	4.38E-04	6.90E-08	2.40E-08	5.36E-04	8.45E-08	2.94E-08	4.71E-04	7.42E-08	2.59E-08
5480	489371.37, 3859089.8	3.89E-04	6.13E-08	2.14E-08	4.77E-04	7.51E-08	2.62E-08	4.19E-04	6.60E-08	2.30E-08
5481	489390.52, 3859102.82	3.77E-04	5.94E-08	2.07E-08	4.62E-04	7.27E-08	2.53E-08	4.06E-04	6.39E-08	2.23E-08
5482	489382.3, 3859114.53	3.68E-04	5.79E-08	2.02E-08	4.50E-04	7.10E-08	2.47E-08	3.96E-04	6.23E-08	2.17E-08
5483	489363.04, 3859102.45	3.79E-04	5.97E-08	2.08E-08	4.64E-04	7.31E-08	2.55E-08	4.08E-04	6.42E-08	2.24E-08
5484	489337.52, 3859140.71	3.48E-04	5.48E-08	1.91E-08	4.26E-04	6.71E-08	2.34E-08	3.74E-04	5.89E-08	2.05E-08
5485	489375.14, 3859164.55	3.30E-04	5.21E-08	1.81E-08	4.05E-04	6.38E-08	2.22E-08	3.55E-04	5.60E-08	1.95E-08
5486	489409.3, 3859114.5	3.66E-04	5.77E-08	2.01E-08	4.49E-04	7.07E-08	2.46E-08	3.94E-04	6.21E-08	2.16E-08
5487	489434.87, 3859131.81	3.52E-04	5.55E-08	1.93E-08	4.31E-04	6.80E-08	2.37E-08	3.79E-04	5.97E-08	2.08E-08
5488	489471.87, 3859075.75	3.91E-04	6.16E-08	2.15E-08	4.79E-04	7.55E-08	2.63E-08	4.21E-04	6.63E-08	2.31E-08
5489	489602.62, 3859164.69	3.24E-04	5.10E-08	1.78E-08	3.96E-04	6.24E-08	2.17E-08	3.48E-04	5.48E-08	1.91E-08
5490	489558.29, 3859232.45	2.91E-04	4.59E-08	1.60E-08	3.57E-04	5.62E-08	1.96E-08	3.13E-04	4.93E-08	1.72E-08
5491	489620.11, 3859273.56	2.73E-04	4.29E-08	1.50E-08	3.34E-04	5.26E-08	1.83E-08	2.93E-04	4.62E-08	1.61E-08
5492	489666.06, 3859206.42	3.00E-04	4.73E-08	1.65E-08	3.68E-04	5.80E-08	2.02E-08	3.23E-04	5.09E-08	1.77E-08
5493	489787.9, 3859285.65	2.66E-04	4.18E-08	1.46E-08	3.25E-04	5.12E-08	1.79E-08	2.86E-04	4.50E-08	1.57E-08
5494	489752.17, 3859343.13	2.47E-04	3.89E-08	1.36E-08	3.02E-04	4.76E-08	1.66E-08	2.65E-04	4.18E-08	1.46E-08
5495	489814.94, 3859385.33	2.34E-04	3.69E-08	1.28E-08	2.87E-04	4.52E-08	1.57E-08	2.52E-04	3.96E-08	1.38E-08
5496	489853.42, 3859330.74	2.50E-04	3.93E-08	1.37E-08	3.06E-04	4.82E-08	1.68E-08	2.68E-04	4.23E-08	1.47E-08
5497	489969.5, 3859401.91	2.28E-04	3.60E-08	1.25E-08	2.80E-04	4.41E-08	1.54E-08	2.46E-04	3.87E-08	1.35E-08
5498	490166.91, 3859486.96	2.07E-04	3.26E-08	1.14E-08	2.53E-04	3.99E-08	1.39E-08	2.22E-04	3.50E-08	1.22E-08
5499	490128.86, 3859571.46	1.90E-04	3.00E-08	1.05E-08	2.33E-04	3.68E-08	1.28E-08	2.05E-04	3.22E-08	1.12E-08
5500	490186.65, 3859593.65	1.86E-04	2.94E-08	1.02E-08	2.28E-04	3.60E-08	1.25E-08	2.00E-04	3.16E-08	1.10E-08
5501	490223.74, 3859517.48	2.01E-04	3.16E-08	1.10E-08	2.46E-04	3.87E-08	1.35E-08	2.15E-04	3.39E-08	1.18E-08
5502	490846.34, 3859817.22	1.56E-04	2.45E-08	8.54E-09	1.91E-04	3.00E-08	1.05E-08	1.67E-04	2.63E-08	9.18E-09
5503	490925.65, 3859844.59	1.53E-04	2.41E-08	8.39E-09	1.87E-04	2.95E-08	1.03E-08	1.64E-04	2.59E-08	9.01E-09
5504	491159.29, 3859896.28	1.46E-04	2.31E-08	8.04E-09	1.79E-04	2.83E-08	9.84E-09	1.57E-04	2.48E-08	8.63E-09
5505	491370.69, 3859960.89	1.39E-04	2.19E-08	7.63E-09	1.70E-04	2.68E-08	9.35E-09	1.49E-04	2.35E-08	8.20E-09
5506	491330.28, 3860063.17	1.29E-04	2.03E-08	7.06E-09	1.57E-04	2.48E-08	8.64E-09	1.38E-04	2.18E-08	7.58E-09
5507	491636.45, 3860180.75	1.20E-04	1.89E-08	6.58E-09	1.47E-04	2.31E-08	8.06E-09	1.29E-04	2.03E-08	7.07E-09
5508	491617.94, 3860203.93	1.18E-04	1.86E-08	6.47E-09	1.44E-04	2.28E-08	7.93E-09	1.27E-04	2.00E-08	6.95E-09
5509	491805.68, 3860271.59	1.14E-04	1.79E-08	6.23E-09	1.39E-04	2.19E-08	7.63E-09	1.22E-04	1.92E-08	6.69E-09
5510	491654.23, 3860414.02	1.04E-04	1.64E-08	5.70E-09	1.27E-04	2.00E-08	6.98E-09	1.12E-04	1.76E-08	6.12E-09
5511	491592.62, 3860510.76	9.75E-05	1.54E-08	5.35E-09	1.19E-04	1.88E-08	6.56E-09	1.05E-04	1.65E-08	5.75E-09
5512	491475.41, 3860368.93	1.05E-04	1.65E-08	5.76E-09	1.29E-04	2.03E-08	7.06E-09	1.13E-04	1.78E-08	6.19E-09
5513	491445.61, 3860337.28	1.07E-04	1.68E-08	5.87E-09	1.31E-04	2.06E-08	7.19E-09	1.15E-04	1.81E-08	6.30E-09
5514	491399.05, 3860300.37	1.09E-04	1.72E-08	6.01E-09	1.34E-04	2.11E-08	7.36E-09	1.18E-04	1.85E-08	6.45E-09

5515	491228.84, 3860235.98	1.14E-04	1.79E-08	6.23E-09	1.39E-04	2.19E-08	7.63E-09	1.22E-04	1.92E-08	6.69E-09
5516	491228.47, 3860174.57	1.18E-04	1.86E-08	6.50E-09	1.45E-04	2.28E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09
5517	491145.77, 3860112.55	1.24E-04	1.95E-08	6.79E-09	1.52E-04	2.39E-08	8.32E-09	1.33E-04	2.09E-08	7.29E-09
5518	490844.41, 3859966.22	1.38E-04	2.18E-08	7.60E-09	1.70E-04	2.67E-08	9.31E-09	1.49E-04	2.34E-08	8.16E-09
5519	490845.55, 3859928.15	1.42E-04	2.24E-08	7.82E-09	1.74E-04	2.75E-08	9.58E-09	1.53E-04	2.41E-08	8.40E-09
5520	490046.91, 3859625.6	1.82E-04	2.86E-08	9.97E-09	2.23E-04	3.51E-08	1.22E-08	1.95E-04	3.08E-08	1.07E-08
5521	489970.48, 3859589.4	1.88E-04	2.97E-08	1.03E-08	2.31E-04	3.63E-08	1.27E-08	2.02E-04	3.19E-08	1.11E-08
5522	489865.89, 3859529.06	2.00E-04	3.15E-08	1.10E-08	2.45E-04	3.86E-08	1.35E-08	2.15E-04	3.39E-08	1.18E-08
5523	489826.89, 3859531.74	2.00E-04	3.15E-08	1.10E-08	2.45E-04	3.86E-08	1.35E-08	2.15E-04	3.39E-08	1.18E-08
5524	489410.47, 3859303.06	2.63E-04	4.15E-08	1.44E-08	3.22E-04	5.08E-08	1.77E-08	2.83E-04	4.46E-08	1.55E-08
5525	489407.15, 3859286.09	2.69E-04	4.24E-08	1.48E-08	3.30E-04	5.19E-08	1.81E-08	2.89E-04	4.56E-08	1.59E-08
5526	488806.07, 3858963.62	6.47E-04	1.02E-07	3.55E-08	7.93E-04	1.25E-07	4.35E-08	6.98E-04	1.10E-07	3.83E-08
5527	488817.64, 3859546.3	2.00E-04	3.15E-08	1.10E-08	2.45E-04	3.86E-08	1.34E-08	2.15E-04	3.39E-08	1.18E-08
5528	489187.25, 3859549.52	2.04E-04	3.22E-08	1.12E-08	2.50E-04	3.94E-08	1.37E-08	2.19E-04	3.46E-08	1.20E-08
5529	489187.66, 3859523.74	2.10E-04	3.30E-08	1.15E-08	2.57E-04	4.04E-08	1.41E-08	2.25E-04	3.55E-08	1.24E-08
5530	489232.59, 3859522.85	2.11E-04	3.32E-08	1.16E-08	2.58E-04	4.06E-08	1.42E-08	2.26E-04	3.56E-08	1.24E-08
5531	489224.98, 3859759.91	1.69E-04	2.67E-08	9.29E-09	2.07E-04	3.26E-08	1.14E-08	1.82E-04	2.86E-08	9.98E-09
5532	488401.39, 3859763.34	1.61E-04	2.54E-08	8.84E-09	1.97E-04	3.11E-08	1.08E-08	1.73E-04	2.73E-08	9.50E-09
5533	488405.51, 3859966.16	1.39E-04	2.20E-08	7.65E-09	1.71E-04	2.69E-08	9.37E-09	1.50E-04	2.36E-08	8.22E-09
5534	489202.85, 3859956.57	1.46E-04	2.30E-08	8.02E-09	1.79E-04	2.82E-08	9.82E-09	1.57E-04	2.47E-08	8.61E-09
5535	489191.9, 3860676.74	9.57E-05	1.51E-08	5.25E-09	1.17E-04	1.85E-08	6.43E-09	1.03E-04	1.62E-08	5.64E-09
5536	488392.82, 3860687.88	9.41E-05	1.48E-08	5.17E-09	1.15E-04	1.82E-08	6.33E-09	1.01E-04	1.59E-08	5.55E-09
5537	488392.82, 3860760.27	9.16E-05	1.44E-08	5.03E-09	1.12E-04	1.77E-08	6.16E-09	9.84E-05	1.55E-08	5.40E-09
5538	487549.05, 3860777.45	8.86E-05	1.40E-08	4.86E-09	1.09E-04	1.71E-08	5.96E-09	9.52E-05	1.50E-08	5.23E-09
5539	487554.62, 3859571.83	1.72E-04	2.71E-08	9.44E-09	2.11E-04	3.32E-08	1.16E-08	1.85E-04	2.91E-08	1.01E-08
5540	485949.46, 3859558.54	1.48E-04	2.33E-08	8.13E-09	1.81E-04	2.86E-08	9.95E-09	1.59E-04	2.50E-08	8.72E-09
5541	485947.55, 3857943.61	4.08E-04	6.44E-08	2.24E-08	5.00E-04	7.88E-08	2.75E-08	4.38E-04	6.90E-08	2.41E-08
5542	484738.38, 3857940.21	2.63E-04	4.14E-08	1.44E-08	3.22E-04	5.07E-08	1.76E-08	2.82E-04	4.45E-08	1.55E-08
5543	484737.06, 3857535.68	3.22E-04	5.08E-08	1.77E-08	3.95E-04	6.22E-08	2.17E-08	3.47E-04	5.46E-08	1.90E-08
5544	483730.2, 3857530.13	2.31E-04	3.65E-08	1.27E-08	2.83E-04	4.47E-08	1.56E-08	2.49E-04	3.92E-08	1.37E-08
5545	483727.27, 3857130.01	2.71E-04	4.26E-08	1.49E-08	3.32E-04	5.22E-08	1.82E-08	2.91E-04	4.58E-08	1.60E-08
5546	483124.42, 3857123.45	2.19E-04	3.46E-08	1.20E-08	2.69E-04	4.23E-08	1.47E-08	2.36E-04	3.71E-08	1.29E-08
5547	483111.13, 3855921.03	3.22E-04	5.08E-08	1.77E-08	3.95E-04	6.22E-08	2.17E-08	3.46E-04	5.45E-08	1.90E-08
5548	482701.73, 3855918.24	2.65E-04	4.17E-08	1.45E-08	3.24E-04	5.11E-08	1.78E-08	2.84E-04	4.48E-08	1.56E-08
5549	482668.02, 3853521.78	2.85E-04	4.49E-08	1.57E-08	3.49E-04	5.50E-08	1.92E-08	3.07E-04	4.84E-08	1.69E-08
5550	482579.91, 3853219.19	1.52E-04	2.39E-08	8.32E-09	1.86E-04	2.93E-08	1.02E-08	1.63E-04	2.57E-08	8.95E-09
5551	482434.06, 3852961.94	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.18E-09	1.31E-04	2.06E-08	7.18E-09
5552	482332.11, 3852832.85	1.11E-04	1.75E-08	6.09E-09	1.36E-04	2.14E-08	7.46E-09	1.19E-04	1.88E-08	6.54E-09
5553	481334.99, 3851818.96	6.53E-05	1.03E-08	3.58E-09	8.00E-05	1.26E-08	4.39E-09	7.01E-05	1.10E-08	3.85E-09
5554	481127.62, 3851646.36	6.03E-05	9.51E-09	3.31E-09	7.39E-05	1.16E-08	4.06E-09	6.48E-05	1.02E-08	3.56E-09
5555	481025.04, 3851591.73	5.84E-05	9.20E-09	3.20E-09	7.15E-05	1.13E-08	3.93E-09	6.27E-05	9.88E-09	3.44E-09
5556	480513.6, 3851335.76	4.91E-05	7.73E-09	2.69E-09	6.01E-05	9.47E-09	3.30E-09	5.27E-05	8.31E-09	2.89E-09
5557	480523.56, 3851317.66	4.93E-05	7.76E-09	2.70E-09	6.03E-05	9.50E-09	3.31E-09	5.29E-05	8.34E-09	2.90E-09
5558	476921.56, 3849569.11	2.21E-05	3.47E-09	1.21E-09	2.70E-05	4.25E-09	1.48E-09	2.37E-05	3.73E-09	1.30E-09
5559	476521.19, 3849373.96	2.05E-05	3.23E-09	1.12E-09	2.51E-05	3.96E-09	1.38E-09	2.20E-05	3.47E-09	1.21E-09
5560	476391.45, 3849333.38	2.03E-05	3.20E-09	1.11E-09	2.48E-05	3.91E-09	1.36E-09	2.18E-05	3.43E-09	1.20E-09
5561	476219.41, 3849304.29	2.01E-05	3.17E-09	1.10E-09	2.46E-05	3.88E-09	1.35E-09	2.16E-05	3.40E-09	1.19E-09
5562	475679.11, 3849218.47	1.92E-05	3.02E-09	1.05E-09	2.35E-05	3.70E-09	1.29E-09	2.06E-05	3.25E-09	1.13E-09
5563	475677.71, 3849233.88	1.93E-05	3.04E-09	1.06E-09	2.36E-05	3.73E-09	1.30E-09	2.07E-05	3.27E-09	1.14E-09
5564	475492.74, 3849204.66	1.75E-05	2.76E-09	9.61E-10	2.14E-05	3.38E-09	1.18E-09	1.88E-05	2.96E-09	1.03E-09
5565	475497.64, 3849158.75	1.79E-05	2.82E-09	9.83E-10	2.19E-05	3.46E-09	1.20E-09	1.92E-05	3.03E-09	1.06E-09
5566	475391.35, 3849141.94	1.83E-05	2.89E-09	1.01E-09	2.25E-05	3.54E-09	1.23E-09	1.97E-05	3.10E-09	1.08E-09
5567	475277, 3849095.47	1.83E-05	2.88E-09	1.00E-09	2.24E-05	3.53E-09	1.23E-09	1.96E-05	3.09E-09	1.08E-09
5568	475183.93, 3849025.66	1.79E-05	2.82E-09	9.84E-10	2.20E-05	3.46E-09	1.21E-09	1.93E-05	3.03E-09	1.06E-09
5569	474453.23, 3848378.77	1.55E-05	2.44E-09	8.51E-10	1.90E-05	2.99E-09	1.04E-09	1.67E-05	2.62E-09	9.14E-10
5570	474569.63, 3848399.34	1.54E-05	2.43E-09	8.46E-10	1.89E-05	2.97E-09	1.04E-09	1.66E-05	2.61E-09	9.08E-10
5571	474644.33, 3848464.52	1.57E-05	2.47E-09	8.60E-10	1.92E-05	3.02E-09	1.05E-09	1.68E-05	2.65E-09	9.24E-10
5572	474719.04, 3848529.7	1.59E-05	2.50E-09	8.73E-10	1.95E-05	3.07E-09	1.07E-09	1.71E-05	2.69E-09	9.37E-10
5573	474793.74, 3848594.88	1.60E-05	2.53E-09	8.80E-10	1.96E-05	3.09E-09	1.08E-09	1.72E-05	2.71E-09	9.46E-10
5574	474868.45, 3848660.07	1.61E-05	2.54E-09	8.84E-10	1.97E-05	3.11E-09	1.08E-09	1.73E-05	2.72E-09	9.49E-10
5575	474943.15, 3848725.25	1.63E-05	2.56E-09	8.93E-10	1.99E-05	3.14E-09	1.09E-09	1.75E-05	2.75E-09	9.60E-10
5576	475017.86, 3848790.43	1.66E-05	2.61E-09	9.10E-10	2.03E-05	3.20E-09	1.11E-09	1.78E-05	2.80E-09	9.77E-10

5577 475092.56, 3848855.61	1.69E-05	2.67E-09	9.30E-10	2.08E-05	3.27E-09	1.14E-09	1.82E-05	2.87E-09	9.99E-10
5578 475232.58, 3848959.38	1.75E-05	2.75E-09	9.59E-10	2.14E-05	3.37E-09	1.17E-09	1.88E-05	2.96E-09	1.03E-09
5579 475368.47, 3849029.98	1.77E-05	2.79E-09	9.71E-10	2.17E-05	3.41E-09	1.19E-09	1.90E-05	2.99E-09	1.04E-09
5580 475609.57, 3849096.09	1.78E-05	2.81E-09	9.77E-10	2.18E-05	3.44E-09	1.20E-09	1.91E-05	3.01E-09	1.05E-09
5581 475680.68, 3849116.62	1.82E-05	2.86E-09	9.98E-10	2.23E-05	3.51E-09	1.22E-09	1.95E-05	3.08E-09	1.07E-09
5582 475843.76, 3849151.52	1.86E-05	2.93E-09	1.02E-09	2.28E-05	3.59E-09	1.25E-09	2.00E-05	3.15E-09	1.10E-09
5583 475935.73, 3849165.89	1.90E-05	3.00E-09	1.05E-09	2.33E-05	3.67E-09	1.28E-09	2.05E-05	3.22E-09	1.12E-09
5584 476027.71, 3849180.27	1.94E-05	3.05E-09	1.06E-09	2.37E-05	3.74E-09	1.30E-09	2.08E-05	3.28E-09	1.14E-09
5585 476119.68, 3849194.64	1.91E-05	3.02E-09	1.05E-09	2.34E-05	3.69E-09	1.29E-09	2.06E-05	3.24E-09	1.13E-09
5586 476211.65, 3849209.01	1.92E-05	3.02E-09	1.05E-09	2.35E-05	3.70E-09	1.29E-09	2.06E-05	3.25E-09	1.13E-09
5587 476497.81, 3849283.9	1.96E-05	3.09E-09	1.08E-09	2.40E-05	3.79E-09	1.32E-09	2.11E-05	3.32E-09	1.16E-09
5588 476603.73, 3849323.77	1.99E-05	3.14E-09	1.09E-09	2.44E-05	3.85E-09	1.34E-09	2.14E-05	3.37E-09	1.18E-09
5589 476728.99, 3849382.76	2.03E-05	3.20E-09	1.12E-09	2.49E-05	3.92E-09	1.37E-09	2.18E-05	3.44E-09	1.20E-09
5590 476801.27, 3849418.65	2.06E-05	3.24E-09	1.13E-09	2.52E-05	3.97E-09	1.38E-09	2.21E-05	3.49E-09	1.21E-09
5591 476956.2, 3849495.05	2.12E-05	3.34E-09	1.16E-09	2.59E-05	4.09E-09	1.42E-09	2.28E-05	3.58E-09	1.25E-09
5592 477038.84, 3849535.56	2.13E-05	3.36E-09	1.17E-09	2.61E-05	4.12E-09	1.43E-09	2.29E-05	3.61E-09	1.26E-09
5593 477121.49, 3849576.08	2.16E-05	3.41E-09	1.19E-09	2.65E-05	4.17E-09	1.45E-09	2.32E-05	3.66E-09	1.28E-09
5594 477204.13, 3849616.6	2.18E-05	3.43E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.34E-05	3.69E-09	1.29E-09
5595 477286.78, 3849657.12	2.16E-05	3.40E-09	1.18E-09	2.64E-05	4.16E-09	1.45E-09	2.32E-05	3.65E-09	1.27E-09
5596 477369.42, 3849697.63	2.23E-05	3.52E-09	1.23E-09	2.73E-05	4.31E-09	1.50E-09	2.40E-05	3.78E-09	1.32E-09
5597 477452.07, 3849738.15	2.25E-05	3.54E-09	1.23E-09	2.75E-05	4.33E-09	1.51E-09	2.41E-05	3.80E-09	1.32E-09
5598 477534.71, 3849778.67	2.31E-05	3.64E-09	1.27E-09	2.83E-05	4.45E-09	1.55E-09	2.48E-05	3.91E-09	1.36E-09
5599 477617.36, 3849819.18	2.33E-05	3.67E-09	1.28E-09	2.85E-05	4.50E-09	1.57E-09	2.50E-05	3.94E-09	1.37E-09
5600 477824.74, 3849896.37	2.39E-05	3.77E-09	1.31E-09	2.93E-05	4.62E-09	1.61E-09	2.57E-05	4.05E-09	1.41E-09
5601 477906.31, 3849936.37	2.36E-05	3.71E-09	1.29E-09	2.89E-05	4.55E-09	1.58E-09	2.53E-05	3.99E-09	1.39E-09
5602 477987.89, 3849976.36	2.41E-05	3.79E-09	1.32E-09	2.95E-05	4.65E-09	1.62E-09	2.59E-05	4.08E-09	1.42E-09
5603 478069.47, 3850016.36	2.39E-05	3.77E-09	1.31E-09	2.93E-05	4.62E-09	1.61E-09	2.57E-05	4.05E-09	1.41E-09
5604 478151.04, 3850056.35	2.38E-05	3.75E-09	1.31E-09	2.92E-05	4.60E-09	1.60E-09	2.56E-05	4.03E-09	1.41E-09
5605 478232.62, 3850096.35	2.42E-05	3.81E-09	1.33E-09	2.96E-05	4.67E-09	1.63E-09	2.60E-05	4.09E-09	1.43E-09
5606 478314.2, 3850136.34	2.46E-05	3.87E-09	1.35E-09	3.01E-05	4.75E-09	1.65E-09	2.64E-05	4.16E-09	1.45E-09
5607 478395.77, 3850176.34	2.51E-05	3.95E-09	1.38E-09	3.07E-05	4.83E-09	1.68E-09	2.69E-05	4.24E-09	1.48E-09
5608 478575.43, 3850244.45	2.61E-05	4.11E-09	1.43E-09	3.20E-05	5.04E-09	1.76E-09	2.81E-05	4.42E-09	1.54E-09
5609 478665.06, 3850287.29	2.68E-05	4.23E-09	1.47E-09	3.29E-05	5.18E-09	1.80E-09	2.88E-05	4.54E-09	1.58E-09
5610 478754.69, 3850330.14	2.76E-05	4.34E-09	1.51E-09	3.38E-05	5.32E-09	1.85E-09	2.96E-05	4.67E-09	1.63E-09
5611 478844.32, 3850372.99	2.84E-05	4.48E-09	1.56E-09	3.48E-05	5.48E-09	1.91E-09	3.05E-05	4.81E-09	1.68E-09
5612 478933.95, 3850415.84	2.94E-05	4.62E-09	1.61E-09	3.60E-05	5.66E-09	1.97E-09	3.15E-05	4.97E-09	1.73E-09
5613 479023.58, 3850458.68	3.00E-05	4.72E-09	1.64E-09	3.67E-05	5.78E-09	2.01E-09	3.22E-05	5.07E-09	1.77E-09
5614 479110.66, 3850441.91	3.08E-05	4.86E-09	1.69E-09	3.78E-05	5.95E-09	2.07E-09	3.31E-05	5.22E-09	1.82E-09
5615 479191.22, 3850423.99	3.16E-05	4.98E-09	1.74E-09	3.87E-05	6.10E-09	2.13E-09	3.40E-05	5.35E-09	1.86E-09
5616 479274.32, 3850465.71	3.24E-05	5.11E-09	1.78E-09	3.97E-05	6.26E-09	2.18E-09	3.49E-05	5.49E-09	1.91E-09
5617 479357.43, 3850507.42	3.32E-05	5.22E-09	1.82E-09	4.06E-05	6.40E-09	2.23E-09	3.56E-05	5.61E-09	1.96E-09
5618 479440.53, 3850549.14	3.38E-05	5.33E-09	1.86E-09	4.14E-05	6.52E-09	2.27E-09	3.63E-05	5.72E-09	1.99E-09
5619 479523.64, 3850590.85	3.46E-05	5.46E-09	1.90E-09	4.24E-05	6.68E-09	2.33E-09	3.72E-05	5.86E-09	2.04E-09
5620 479606.74, 3850632.57	3.56E-05	5.61E-09	1.95E-09	4.36E-05	6.87E-09	2.39E-09	3.83E-05	6.03E-09	2.10E-09
5621 479777.37, 3850707.61	3.77E-05	5.94E-09	2.07E-09	4.62E-05	7.28E-09	2.53E-09	4.05E-05	6.38E-09	2.22E-09
5622 479864.9, 3850740.95	3.90E-05	6.14E-09	2.14E-09	4.78E-05	7.53E-09	2.62E-09	4.19E-05	6.60E-09	2.30E-09
5623 479931.87, 3850829.57	4.00E-05	6.29E-09	2.19E-09	4.89E-05	7.71E-09	2.69E-09	4.29E-05	6.76E-09	2.36E-09
5624 479995.55, 3850926.75	4.10E-05	6.46E-09	2.25E-09	5.02E-05	7.91E-09	2.76E-09	4.40E-05	6.94E-09	2.42E-09
5625 480079.78, 3850968.64	4.23E-05	6.66E-09	2.32E-09	5.18E-05	8.16E-09	2.84E-09	4.54E-05	7.16E-09	2.49E-09
5626 480164.01, 3851010.54	4.36E-05	6.87E-09	2.39E-09	5.34E-05	8.41E-09	2.93E-09	4.68E-05	7.38E-09	2.57E-09
5627 480248.23, 3851052.43	4.48E-05	7.06E-09	2.46E-09	5.49E-05	8.65E-09	3.02E-09	4.82E-05	7.59E-09	2.64E-09
5628 480332.46, 3851094.33	4.62E-05	7.27E-09	2.53E-09	5.65E-05	8.91E-09	3.10E-09	4.96E-05	7.81E-09	2.72E-09
5629 480416.69, 3851136.22	4.74E-05	7.47E-09	2.60E-09	5.81E-05	9.15E-09	3.19E-09	5.10E-05	8.03E-09	2.80E-09
5630 480579.95, 3851215.17	5.00E-05	7.88E-09	2.74E-09	6.13E-05	9.65E-09	3.36E-09	5.37E-05	8.46E-09	2.95E-09
5631 480658.98, 3851252.22	5.13E-05	8.08E-09	2.82E-09	6.28E-05	9.90E-09	3.45E-09	5.51E-05	8.68E-09	3.03E-09
5632 480817.36, 3851327.85	5.38E-05	8.48E-09	2.95E-09	6.59E-05	1.04E-08	3.62E-09	5.78E-05	9.11E-09	3.17E-09
5633 480896.72, 3851366.43	5.51E-05	8.68E-09	3.02E-09	6.75E-05	1.06E-08	3.70E-09	5.92E-05	9.33E-09	3.25E-09
5634 480976.07, 3851405	5.63E-05	8.87E-09	3.09E-09	6.90E-05	1.09E-08	3.79E-09	6.05E-05	9.53E-09	3.32E-09
5635 481178, 3851487.31	5.92E-05	9.33E-09	3.25E-09	7.26E-05	1.14E-08	3.98E-09	6.37E-05	1.00E-08	3.49E-09
5636 481244.9, 3851557.17	6.08E-05	9.58E-09	3.34E-09	7.45E-05	1.17E-08	4.09E-09	6.53E-05	1.03E-08	3.59E-09
5637 481311.81, 3851627.03	6.25E-05	9.84E-09	3.43E-09	7.65E-05	1.21E-08	4.20E-09	6.71E-05	1.06E-08	3.68E-09
5638 481378.71, 3851696.89	6.43E-05	1.01E-08	3.53E-09	7.87E-05	1.24E-08	4.32E-09	6.90E-05	1.09E-08	3.79E-09

5639	481445.61, 3851766.76	6.61E-05	1.04E-08	3.63E-09	8.10E-05	1.28E-08	4.44E-09	7.10E-05	1.12E-08	3.90E-09
5640	481512.51, 3851836.62	6.81E-05	1.07E-08	3.74E-09	8.34E-05	1.31E-08	4.58E-09	7.32E-05	1.15E-08	4.01E-09
5641	481579.42, 3851906.48	7.02E-05	1.11E-08	3.85E-09	8.60E-05	1.35E-08	4.72E-09	7.54E-05	1.19E-08	4.14E-09
5642	481646.32, 3851976.34	7.24E-05	1.14E-08	3.97E-09	8.87E-05	1.40E-08	4.87E-09	7.78E-05	1.23E-08	4.27E-09
5643	481713.22, 3852046.2	7.48E-05	1.18E-08	4.11E-09	9.17E-05	1.44E-08	5.03E-09	8.04E-05	1.27E-08	4.41E-09
5644	481780.12, 3852116.06	7.73E-05	1.22E-08	4.24E-09	9.47E-05	1.49E-08	5.20E-09	8.31E-05	1.31E-08	4.56E-09
5645	481847.03, 3852185.92	7.99E-05	1.26E-08	4.38E-09	9.78E-05	1.54E-08	5.37E-09	8.58E-05	1.35E-08	4.71E-09
5646	481913.93, 3852255.78	8.25E-05	1.30E-08	4.53E-09	1.01E-04	1.59E-08	5.55E-09	8.86E-05	1.40E-08	4.86E-09
5647	481980.83, 3852325.65	8.50E-05	1.34E-08	4.67E-09	1.04E-04	1.64E-08	5.72E-09	9.14E-05	1.44E-08	5.01E-09
5648	482047.73, 3852395.51	8.80E-05	1.39E-08	4.83E-09	1.08E-04	1.70E-08	5.92E-09	9.46E-05	1.49E-08	5.19E-09
5649	482114.64, 3852465.37	9.09E-05	1.43E-08	4.99E-09	1.11E-04	1.75E-08	6.11E-09	9.77E-05	1.54E-08	5.36E-09
5650	482181.54, 3852535.23	9.46E-05	1.49E-08	5.19E-09	1.16E-04	1.83E-08	6.36E-09	1.02E-04	1.60E-08	5.58E-09
5651	482338.69, 3852700.05	1.04E-04	1.64E-08	5.70E-09	1.27E-04	2.00E-08	6.98E-09	1.12E-04	1.76E-08	6.12E-09
5652	482404.05, 3852767.78	1.08E-04	1.70E-08	5.94E-09	1.33E-04	2.09E-08	7.27E-09	1.16E-04	1.83E-08	6.38E-09
5653	482469.4, 3852835.52	1.13E-04	1.78E-08	6.20E-09	1.38E-04	2.18E-08	7.60E-09	1.21E-04	1.91E-08	6.66E-09
5654	482534.75, 3852903.25	1.19E-04	1.87E-08	6.52E-09	1.45E-04	2.29E-08	7.98E-09	1.28E-04	2.01E-08	7.00E-09
5655	482600.11, 3852970.99	1.25E-04	1.97E-08	6.87E-09	1.53E-04	2.42E-08	8.42E-09	1.35E-04	2.12E-08	7.39E-09
5656	482706.71, 3853119.28	1.44E-04	2.27E-08	7.90E-09	1.76E-04	2.78E-08	9.68E-09	1.55E-04	2.44E-08	8.49E-09
5657	482747.96, 3853199.84	1.56E-04	2.46E-08	8.59E-09	1.92E-04	3.02E-08	1.05E-08	1.68E-04	2.65E-08	9.23E-09
5658	482789.21, 3853280.4	1.73E-04	2.72E-08	9.47E-09	2.11E-04	3.33E-08	1.16E-08	1.86E-04	2.92E-08	1.02E-08
5659	482830.46, 3853360.96	1.95E-04	3.08E-08	1.07E-08	2.39E-04	3.77E-08	1.31E-08	2.10E-04	3.31E-08	1.15E-08
5660	482871.71, 3853441.52	2.32E-04	3.66E-08	1.27E-08	2.85E-04	4.48E-08	1.56E-08	2.50E-04	3.94E-08	1.37E-08
5661	482912.95, 3853522.07	3.70E-04	5.83E-08	2.03E-08	4.53E-04	7.14E-08	2.49E-08	3.99E-04	6.28E-08	2.19E-08
5662	482954.2, 3853602.63	1.13E-03	1.78E-07	6.20E-08	1.38E-03	2.18E-07	7.59E-08	1.22E-03	1.92E-07	6.69E-08
5663	482995.45, 3853683.19	1.41E-03	2.22E-07	7.72E-08	1.72E-03	2.71E-07	9.46E-08	1.52E-03	2.39E-07	8.33E-08
5664	483036.7, 3853763.75	1.42E-03	2.24E-07	7.82E-08	1.75E-03	2.75E-07	9.58E-08	1.54E-03	2.42E-07	8.44E-08
5665	483214.2, 3853909.91	9.67E-04	1.52E-07	5.30E-08	1.18E-03	1.87E-07	6.50E-08	1.04E-03	1.64E-07	5.72E-08
5666	483307.01, 3853910.44	8.37E-04	1.32E-07	4.59E-08	1.03E-03	1.61E-07	5.63E-08	9.02E-04	1.42E-07	4.95E-08
5667	483399.83, 3853910.96	7.38E-04	1.16E-07	4.05E-08	9.04E-04	1.42E-07	4.96E-08	7.96E-04	1.25E-07	4.37E-08
5668	483494.52, 3854009.24	7.43E-04	1.17E-07	4.08E-08	9.10E-04	1.43E-07	5.00E-08	8.01E-04	1.26E-07	4.39E-08
5669	483496.41, 3854106.98	8.24E-04	1.30E-07	4.52E-08	1.01E-03	1.59E-07	5.54E-08	8.88E-04	1.40E-07	4.87E-08
5670	483577.56, 3854261.96	9.17E-04	1.45E-07	5.03E-08	1.12E-03	1.77E-07	6.17E-08	9.88E-04	1.56E-07	5.42E-08
5671	483656.83, 3854319.19	9.24E-04	1.46E-07	5.07E-08	1.13E-03	1.78E-07	6.21E-08	9.95E-04	1.57E-07	5.46E-08
5672	483736.1, 3854376.41	9.50E-04	1.50E-07	5.22E-08	1.16E-03	1.83E-07	6.39E-08	1.02E-03	1.61E-07	5.61E-08
5673	483815.37, 3854433.64	9.98E-04	1.57E-07	5.48E-08	1.22E-03	1.93E-07	6.71E-08	1.07E-03	1.69E-07	5.90E-08
5674	483894.63, 3854490.87	1.07E-03	1.68E-07	5.87E-08	1.31E-03	2.06E-07	7.19E-08	1.15E-03	1.81E-07	6.31E-08
5675	483973.9, 3854548.1	1.18E-03	1.86E-07	6.49E-08	1.45E-03	2.28E-07	7.95E-08	1.27E-03	2.00E-07	6.98E-08
5676	484053.17, 3854605.32	1.42E-03	2.24E-07	7.79E-08	1.74E-03	2.74E-07	9.55E-08	1.53E-03	2.41E-07	8.39E-08
5677	484214.97, 3854698.15	2.45E-03	3.86E-07	1.34E-07	3.00E-03	4.73E-07	1.65E-07	2.64E-03	4.15E-07	1.45E-07
5678	484297.5, 3854733.74	3.19E-03	5.03E-07	1.75E-07	3.91E-03	6.16E-07	2.15E-07	3.43E-03	5.41E-07	1.88E-07
5679	484380.03, 3854769.34	3.85E-03	6.07E-07	2.11E-07	4.72E-03	7.44E-07	2.59E-07	4.14E-03	6.53E-07	2.27E-07
5680	484462.56, 3854804.94	4.98E-03	7.85E-07	2.73E-07	6.11E-03	9.62E-07	3.35E-07	5.35E-03	8.43E-07	2.94E-07
5681	484545.09, 3854840.53	6.01E-03	9.47E-07	3.30E-07	7.37E-03	1.16E-06	4.04E-07	6.45E-03	1.02E-06	3.54E-07
5682	484691.88, 3854912.59	7.41E-03	1.17E-06	4.07E-07	9.08E-03	1.43E-06	4.98E-07	7.94E-03	1.25E-06	4.36E-07
5683	484830.81, 3855012.51	6.90E-03	1.09E-06	3.79E-07	8.46E-03	1.33E-06	4.64E-07	7.37E-03	1.16E-06	4.05E-07
5684	484905.48, 3855075.97	6.92E-03	1.09E-06	3.80E-07	8.48E-03	1.34E-06	4.66E-07	7.41E-03	1.17E-06	4.07E-07
5685	484980.14, 3855139.44	6.89E-03	1.08E-06	3.78E-07	8.44E-03	1.33E-06	4.63E-07	7.39E-03	1.16E-06	4.05E-07
5686	485054.81, 3855202.91	6.80E-03	1.07E-06	3.73E-07	8.33E-03	1.31E-06	4.57E-07	7.30E-03	1.15E-06	4.01E-07
5687	485129.48, 3855266.37	6.58E-03	1.04E-06	3.61E-07	8.06E-03	1.27E-06	4.43E-07	7.08E-03	1.12E-06	3.89E-07
5688	485204.15, 3855329.84	6.71E-03	1.06E-06	3.68E-07	8.22E-03	1.29E-06	4.51E-07	7.22E-03	1.14E-06	3.96E-07
5689	485278.82, 3855393.31	6.66E-03	1.05E-06	3.66E-07	8.16E-03	1.29E-06	4.48E-07	7.18E-03	1.13E-06	3.94E-07
5690	485353.48, 3855456.77	6.69E-03	1.05E-06	3.67E-07	8.19E-03	1.29E-06	4.50E-07	7.21E-03	1.14E-06	3.96E-07
5691	485428.15, 3855520.24	6.63E-03	1.04E-06	3.64E-07	8.12E-03	1.28E-06	4.46E-07	7.15E-03	1.13E-06	3.92E-07
5692	485502.82, 3855583.71	6.60E-03	1.04E-06	3.62E-07	8.08E-03	1.27E-06	4.44E-07	7.12E-03	1.12E-06	3.91E-07
5693	485577.49, 3855647.17	6.67E-03	1.05E-06	3.66E-07	8.17E-03	1.29E-06	4.49E-07	7.20E-03	1.13E-06	3.95E-07
5694	485652.16, 3855710.64	6.71E-03	1.06E-06	3.69E-07	8.23E-03	1.30E-06	4.51E-07	7.25E-03	1.14E-06	3.98E-07
5695	485726.83, 3855774.11	6.70E-03	1.05E-06	3.67E-07	8.20E-03	1.29E-06	4.50E-07	7.23E-03	1.14E-06	3.97E-07
5696	485801.49, 3855837.57	6.63E-03	1.04E-06	3.64E-07	8.12E-03	1.28E-06	4.46E-07	7.15E-03	1.13E-06	3.93E-07
5697	485876.16, 3855901.04	6.63E-03	1.05E-06	3.64E-07	8.13E-03	1.28E-06	4.46E-07	7.16E-03	1.13E-06	3.93E-07
5698	485950.83, 3855964.5	6.59E-03	1.04E-06	3.62E-07	8.07E-03	1.27E-06	4.43E-07	7.11E-03	1.12E-06	3.90E-07
5699	486025.5, 3856027.97	6.50E-03	1.02E-06	3.57E-07	7.96E-03	1.25E-06	4.37E-07	7.02E-03	1.11E-06	3.85E-07
5700	486100.17, 3856091.44	6.64E-03	1.05E-06	3.64E-07	8.13E-03	1.28E-06	4.46E-07	7.16E-03	1.13E-06	3.93E-07

5701	486174.83, 3856154.9	6.51E-03	1.02E-06	3.57E-07	7.97E-03	1.26E-06	4.37E-07	7.02E-03	1.11E-06	3.85E-07
5702	486249.5, 3856218.37	6.19E-03	9.76E-07	3.40E-07	7.59E-03	1.20E-06	4.16E-07	6.69E-03	1.05E-06	3.67E-07
5703	486324.17, 3856281.84	6.13E-03	9.65E-07	3.36E-07	7.51E-03	1.18E-06	4.12E-07	6.62E-03	1.04E-06	3.63E-07
5704	486398.84, 3856345.3	6.35E-03	1.00E-06	3.49E-07	7.78E-03	1.23E-06	4.27E-07	6.86E-03	1.08E-06	3.76E-07
5705	486473.51, 3856408.77	6.41E-03	1.01E-06	3.52E-07	7.85E-03	1.24E-06	4.31E-07	6.92E-03	1.09E-06	3.80E-07
5706	486548.17, 3856472.24	6.52E-03	1.03E-06	3.58E-07	7.98E-03	1.26E-06	4.38E-07	7.03E-03	1.11E-06	3.86E-07
5707	486622.84, 3856535.7	6.57E-03	1.04E-06	3.61E-07	8.05E-03	1.27E-06	4.42E-07	7.09E-03	1.12E-06	3.89E-07
5708	486765.48, 3856659.69	6.62E-03	1.04E-06	3.63E-07	8.11E-03	1.28E-06	4.45E-07	7.14E-03	1.13E-06	3.92E-07
5709	486833.44, 3856720.2	6.68E-03	1.05E-06	3.66E-07	8.18E-03	1.29E-06	4.49E-07	7.21E-03	1.14E-06	3.95E-07
5710	486901.41, 3856780.72	6.67E-03	1.05E-06	3.66E-07	8.17E-03	1.29E-06	4.49E-07	7.20E-03	1.13E-06	3.95E-07
5711	486969.38, 3856841.24	6.66E-03	1.05E-06	3.65E-07	8.15E-03	1.28E-06	4.47E-07	7.18E-03	1.13E-06	3.94E-07
5712	487037.34, 3856901.75	6.59E-03	1.04E-06	3.62E-07	8.08E-03	1.27E-06	4.43E-07	7.11E-03	1.12E-06	3.90E-07
5713	487271.23, 3856855.51	3.59E-03	5.65E-07	1.97E-07	4.39E-03	6.92E-07	2.41E-07	3.86E-03	6.09E-07	2.12E-07
5714	487368.96, 3856857.29	3.13E-03	4.93E-07	1.72E-07	3.83E-03	6.04E-07	2.10E-07	3.37E-03	5.31E-07	1.85E-07
5715	487466.68, 3856859.06	2.78E-03	4.37E-07	1.52E-07	3.40E-03	5.36E-07	1.87E-07	2.99E-03	4.71E-07	1.64E-07
5716	487636.44, 3856930	2.40E-03	3.77E-07	1.31E-07	2.93E-03	4.62E-07	1.61E-07	2.57E-03	4.05E-07	1.41E-07
5717	487709.57, 3856928.43	2.24E-03	3.53E-07	1.23E-07	2.74E-03	4.32E-07	1.50E-07	2.40E-03	3.78E-07	1.32E-07
5718	487782.55, 3856841.96	2.05E-03	3.23E-07	1.12E-07	2.51E-03	3.95E-07	1.38E-07	2.20E-03	3.47E-07	1.21E-07
5719	487849.83, 3856754.74	1.88E-03	2.96E-07	1.03E-07	2.30E-03	3.63E-07	1.26E-07	2.02E-03	3.19E-07	1.11E-07
5720	487918.03, 3856819.39	1.84E-03	2.89E-07	1.01E-07	2.25E-03	3.54E-07	1.23E-07	1.97E-03	3.11E-07	1.08E-07
5721	487918.8, 3856886.37	1.87E-03	2.95E-07	1.03E-07	2.30E-03	3.62E-07	1.26E-07	2.01E-03	3.17E-07	1.10E-07
5722	488065.47, 3857127.51	1.84E-03	2.89E-07	1.01E-07	2.25E-03	3.54E-07	1.23E-07	1.95E-03	3.08E-07	1.07E-07
5723	488192.19, 3857385.84	1.80E-03	2.83E-07	9.86E-08	2.20E-03	3.47E-07	1.21E-07	1.91E-03	3.01E-07	1.05E-07
5724	488191.22, 3857473.87	1.83E-03	2.89E-07	1.01E-07	2.25E-03	3.54E-07	1.23E-07	1.95E-03	3.08E-07	1.07E-07
5725	488190.24, 3857561.91	1.87E-03	2.95E-07	1.03E-07	2.29E-03	3.61E-07	1.26E-07	2.00E-03	3.15E-07	1.10E-07
5726	488158.35, 3857691.13	1.99E-03	3.13E-07	1.09E-07	2.43E-03	3.83E-07	1.33E-07	2.13E-03	3.35E-07	1.17E-07
5727	488208.37, 3857816.66	1.76E-03	2.78E-07	9.68E-08	2.16E-03	3.40E-07	1.18E-07	1.89E-03	2.98E-07	1.04E-07
5728	488271.97, 3857874.6	1.56E-03	2.46E-07	8.58E-08	1.91E-03	3.01E-07	1.05E-07	1.68E-03	2.64E-07	9.21E-08
5729	488463.56, 3857942.31	1.26E-03	1.99E-07	6.94E-08	1.55E-03	2.44E-07	8.50E-08	1.36E-03	2.14E-07	7.45E-08
5730	488554.83, 3857940.83	1.19E-03	1.87E-07	6.51E-08	1.45E-03	2.29E-07	7.97E-08	1.27E-03	2.01E-07	6.99E-08
5731	488646.1, 3857939.36	1.12E-03	1.76E-07	6.15E-08	1.37E-03	2.16E-07	7.52E-08	1.20E-03	1.89E-07	6.59E-08
5732	488737.37, 3857937.88	1.06E-03	1.67E-07	5.82E-08	1.30E-03	2.05E-07	7.13E-08	1.14E-03	1.79E-07	6.25E-08
5733	488733.59, 3857960.57	1.05E-03	1.66E-07	5.78E-08	1.29E-03	2.03E-07	7.08E-08	1.13E-03	1.78E-07	6.21E-08
5734	488638.09, 3857961.57	1.11E-03	1.76E-07	6.12E-08	1.36E-03	2.15E-07	7.49E-08	1.20E-03	1.88E-07	6.57E-08
5735	488542.6, 3857962.56	1.18E-03	1.87E-07	6.50E-08	1.45E-03	2.28E-07	7.96E-08	1.27E-03	2.00E-07	6.98E-08
5736	488447.1, 3857963.56	1.27E-03	1.99E-07	6.95E-08	1.55E-03	2.44E-07	8.51E-08	1.36E-03	2.14E-07	7.46E-08
5737	488254.28, 3857890.36	1.57E-03	2.47E-07	8.61E-08	1.92E-03	3.03E-07	1.05E-07	1.68E-03	2.65E-07	9.25E-08
5738	488191.69, 3857833.06	1.77E-03	2.80E-07	9.74E-08	2.17E-03	3.42E-07	1.19E-07	1.90E-03	3.00E-07	1.05E-07
5739	488129.5, 3857907.43	1.77E-03	2.78E-07	9.70E-08	2.16E-03	3.41E-07	1.19E-07	1.90E-03	2.99E-07	1.04E-07
5740	488196.47, 3857968.74	1.56E-03	2.46E-07	8.55E-08	1.91E-03	3.00E-07	1.05E-07	1.67E-03	2.64E-07	9.19E-08
5741	488263.44, 3858030.04	1.43E-03	2.25E-07	7.83E-08	1.75E-03	2.75E-07	9.59E-08	1.53E-03	2.42E-07	8.42E-08
5742	488400.64, 3858132.9	1.28E-03	2.01E-07	7.02E-08	1.57E-03	2.47E-07	8.59E-08	1.38E-03	2.17E-07	7.55E-08
5743	488519.89, 3858218.38	1.23E-03	1.93E-07	6.72E-08	1.50E-03	2.36E-07	8.24E-08	1.32E-03	2.08E-07	7.24E-08
5744	488647.97, 3858214.99	1.09E-03	1.72E-07	6.00E-08	1.34E-03	2.11E-07	7.35E-08	1.18E-03	1.85E-07	6.46E-08
5745	488727.05, 3858167.67	1.02E-03	1.61E-07	5.61E-08	1.25E-03	1.97E-07	6.87E-08	1.10E-03	1.73E-07	6.03E-08
5746	488806.12, 3858120.35	9.73E-04	1.53E-07	5.34E-08	1.19E-03	1.88E-07	6.54E-08	1.05E-03	1.65E-07	5.74E-08
5747	488885.2, 3858073.03	9.40E-04	1.48E-07	5.16E-08	1.15E-03	1.81E-07	6.32E-08	1.01E-03	1.59E-07	5.54E-08
5748	489055.76, 3857991.18	8.87E-04	1.40E-07	4.87E-08	1.09E-03	1.71E-07	5.96E-08	9.52E-04	1.50E-07	5.23E-08
5749	489245.39, 3857944.55	8.34E-04	1.31E-07	4.57E-08	1.02E-03	1.61E-07	5.60E-08	8.94E-04	1.41E-07	4.91E-08
5750	489430.63, 3857930.91	7.78E-04	1.23E-07	4.27E-08	9.53E-04	1.50E-07	5.23E-08	8.35E-04	1.31E-07	4.58E-08
5751	489517.74, 3857929.36	7.54E-04	1.19E-07	4.14E-08	9.23E-04	1.45E-07	5.06E-08	8.08E-04	1.27E-07	4.43E-08
5752	489604.86, 3857927.82	7.30E-04	1.15E-07	4.01E-08	8.94E-04	1.41E-07	4.91E-08	7.83E-04	1.23E-07	4.30E-08
5753	489691.97, 3857926.28	7.08E-04	1.12E-07	3.89E-08	8.67E-04	1.37E-07	4.76E-08	7.59E-04	1.20E-07	4.17E-08
5754	489779.08, 3857924.73	6.87E-04	1.08E-07	3.77E-08	8.41E-04	1.33E-07	4.62E-08	7.37E-04	1.16E-07	4.04E-08
5755	490017.55, 3857875.09	6.43E-04	1.01E-07	3.53E-08	7.87E-04	1.24E-07	4.32E-08	6.89E-04	1.09E-07	3.78E-08
5756	490033.82, 3857960.81	6.25E-04	9.84E-08	3.43E-08	7.65E-04	1.21E-07	4.20E-08	6.70E-04	1.06E-07	3.68E-08
5757	489959.15, 3857987.49	6.35E-04	1.00E-07	3.49E-08	7.78E-04	1.23E-07	4.27E-08	6.81E-04	1.07E-07	3.74E-08
5758	489791.49, 3858016.12	6.66E-04	1.05E-07	3.66E-08	8.16E-04	1.29E-07	4.48E-08	7.15E-04	1.13E-07	3.92E-08
5759	489698.51, 3858018.07	6.87E-04	1.08E-07	3.77E-08	8.42E-04	1.33E-07	4.62E-08	7.37E-04	1.16E-07	4.05E-08
5760	489605.52, 3858020.02	7.10E-04	1.12E-07	3.90E-08	8.69E-04	1.37E-07	4.77E-08	7.61E-04	1.20E-07	4.18E-08
5761	489512.53, 3858021.96	7.34E-04	1.16E-07	4.03E-08	8.98E-04	1.42E-07	4.93E-08	7.87E-04	1.24E-07	4.32E-08
5762	489419.55, 3858023.91	7.59E-04	1.20E-07	4.16E-08	9.29E-04	1.46E-07	5.10E-08	8.14E-04	1.28E-07	4.47E-08

5763	489228.47, 3858041.29	8.13E-04	1.28E-07	4.46E-08	9.96E-04	1.57E-07	5.46E-08	8.73E-04	1.37E-07	4.79E-08
5764	489065.75, 3858085.78	8.59E-04	1.35E-07	4.72E-08	1.05E-03	1.66E-07	5.78E-08	9.23E-04	1.45E-07	5.06E-08
5765	489001.12, 3858114.86	8.79E-04	1.39E-07	4.83E-08	1.08E-03	1.70E-07	5.91E-08	9.45E-04	1.49E-07	5.18E-08
5766	488861.89, 3858189.81	9.41E-04	1.48E-07	5.16E-08	1.15E-03	1.82E-07	6.32E-08	1.01E-03	1.59E-07	5.55E-08
5767	488787.29, 3858235.69	9.95E-04	1.57E-07	5.46E-08	1.22E-03	1.92E-07	6.69E-08	1.07E-03	1.69E-07	5.87E-08
5768	488712.68, 3858281.57	1.07E-03	1.69E-07	5.89E-08	1.31E-03	2.07E-07	7.21E-08	1.16E-03	1.82E-07	6.34E-08
5769	488654.39, 3858436.17	1.36E-03	2.14E-07	7.45E-08	1.66E-03	2.62E-07	9.12E-08	1.46E-03	2.30E-07	8.03E-08
5770	488726.31, 3858505.26	1.37E-03	2.16E-07	7.54E-08	1.68E-03	2.65E-07	9.24E-08	1.48E-03	2.33E-07	8.13E-08
5771	488880.6, 3858599.28	1.27E-03	2.00E-07	6.96E-08	1.55E-03	2.45E-07	8.53E-08	1.37E-03	2.16E-07	7.51E-08
5772	489008.06, 3858714.75	1.25E-03	1.98E-07	6.88E-08	1.54E-03	2.42E-07	8.43E-08	1.35E-03	2.13E-07	7.42E-08
5773	489071.48, 3858772.72	1.19E-03	1.88E-07	6.56E-08	1.46E-03	2.31E-07	8.03E-08	1.29E-03	2.03E-07	7.07E-08
5774	489244.6, 3858920.2	6.64E-04	1.05E-07	3.65E-08	8.14E-04	1.28E-07	4.47E-08	7.16E-04	1.13E-07	3.93E-08
5775	489239.69, 3858952.23	6.05E-04	9.54E-08	3.32E-08	7.42E-04	1.17E-07	4.07E-08	6.52E-04	1.03E-07	3.58E-08
5776	489121.67, 3858854.49	9.96E-04	1.57E-07	5.47E-08	1.22E-03	1.92E-07	6.70E-08	1.07E-03	1.69E-07	5.89E-08
5777	489059.59, 3858797.27	1.25E-03	1.97E-07	6.86E-08	1.53E-03	2.41E-07	8.40E-08	1.35E-03	2.12E-07	7.40E-08
5778	488997.52, 3858740.04	1.34E-03	2.11E-07	7.36E-08	1.64E-03	2.59E-07	9.01E-08	1.45E-03	2.28E-07	7.93E-08
5779	488935.44, 3858682.82	1.35E-03	2.13E-07	7.43E-08	1.66E-03	2.61E-07	9.10E-08	1.46E-03	2.30E-07	8.01E-08
5780	488869.17, 3858848.43	3.28E-03	5.17E-07	1.80E-07	4.02E-03	6.33E-07	2.21E-07	3.54E-03	5.58E-07	1.94E-07
5781	488932.48, 3858892.69	1.58E-03	2.50E-07	8.70E-08	1.94E-03	3.06E-07	1.07E-07	1.71E-03	2.69E-07	9.39E-08
5782	489063.27, 3858977.17	6.20E-04	9.77E-08	3.40E-08	7.59E-04	1.20E-07	4.17E-08	6.68E-04	1.05E-07	3.67E-08
5783	489248.2, 3859117.15	3.68E-04	5.79E-08	2.02E-08	4.50E-04	7.10E-08	2.47E-08	3.96E-04	6.23E-08	2.17E-08
5784	489296.25, 3859049.22	4.39E-04	6.91E-08	2.41E-08	5.37E-04	8.46E-08	2.95E-08	4.72E-04	7.44E-08	2.59E-08
5785	489353.38, 3858993.97	4.95E-04	7.79E-08	2.71E-08	6.06E-04	9.55E-08	3.33E-08	5.33E-04	8.39E-08	2.92E-08
5786	489537.25, 3859120.22	3.53E-04	5.57E-08	1.94E-08	4.33E-04	6.82E-08	2.38E-08	3.80E-04	5.99E-08	2.09E-08
5787	489726.98, 3859246.04	2.82E-04	4.44E-08	1.55E-08	3.45E-04	5.44E-08	1.89E-08	3.03E-04	4.77E-08	1.66E-08
5788	489911.46, 3859366.33	2.39E-04	3.76E-08	1.31E-08	2.93E-04	4.61E-08	1.61E-08	2.57E-04	4.05E-08	1.41E-08
5789	490035.3, 3859430.26	2.21E-04	3.47E-08	1.21E-08	2.70E-04	4.26E-08	1.48E-08	2.37E-04	3.73E-08	1.30E-08
5790	490101.11, 3859458.61	2.14E-04	3.36E-08	1.17E-08	2.62E-04	4.12E-08	1.44E-08	2.29E-04	3.62E-08	1.26E-08
5791	490312.68, 3859560.3	1.92E-04	3.03E-08	1.05E-08	2.35E-04	3.71E-08	1.29E-08	2.06E-04	3.25E-08	1.13E-08
5792	490401.63, 3859603.12	1.85E-04	2.91E-08	1.01E-08	2.26E-04	3.56E-08	1.24E-08	1.98E-04	3.12E-08	1.09E-08
5793	490490.57, 3859645.94	1.78E-04	2.80E-08	9.76E-09	2.18E-04	3.43E-08	1.19E-08	1.91E-04	3.01E-08	1.05E-08
5794	490579.51, 3859688.76	1.72E-04	2.70E-08	9.42E-09	2.10E-04	3.31E-08	1.15E-08	1.84E-04	2.90E-08	1.01E-08
5795	490668.45, 3859731.58	1.66E-04	2.62E-08	9.13E-09	2.04E-04	3.21E-08	1.12E-08	1.79E-04	2.81E-08	9.81E-09
5796	490757.4, 3859774.4	1.61E-04	2.53E-08	8.81E-09	1.97E-04	3.10E-08	1.08E-08	1.72E-04	2.72E-08	9.46E-09
5797	491003.53, 3859861.82	1.50E-04	2.37E-08	8.25E-09	1.84E-04	2.90E-08	1.01E-08	1.62E-04	2.54E-08	8.86E-09
5798	491081.41, 3859879.05	1.48E-04	2.34E-08	8.14E-09	1.82E-04	2.86E-08	9.97E-09	1.59E-04	2.51E-08	8.74E-09
5799	491229.76, 3859917.82	1.44E-04	2.27E-08	7.90E-09	1.76E-04	2.78E-08	9.68E-09	1.55E-04	2.44E-08	8.49E-09
5800	491300.22, 3859939.35	1.41E-04	2.23E-08	7.77E-09	1.73E-04	2.73E-08	9.51E-09	1.52E-04	2.39E-08	8.34E-09
5801	491350.49, 3860012.03	1.34E-04	2.11E-08	7.33E-09	1.64E-04	2.58E-08	8.98E-09	1.44E-04	2.26E-08	7.88E-09
5802	491406.82, 3860092.57	1.26E-04	1.99E-08	6.93E-09	1.55E-04	2.43E-08	8.48E-09	1.36E-04	2.14E-08	7.44E-09
5803	491483.37, 3860121.96	1.24E-04	1.95E-08	6.81E-09	1.52E-04	2.39E-08	8.34E-09	1.33E-04	2.10E-08	7.31E-09
5804	491559.91, 3860151.36	1.22E-04	1.92E-08	6.68E-09	1.49E-04	2.35E-08	8.19E-09	1.31E-04	2.06E-08	7.18E-09
5805	491711.81, 3860237.76	1.18E-04	1.87E-08	6.50E-09	1.45E-04	2.29E-08	7.96E-09	1.27E-04	2.00E-08	6.98E-09
5806	491755.2, 3860319.07	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.44E-09
5807	491704.71, 3860366.54	1.06E-04	1.67E-08	5.83E-09	1.30E-04	2.05E-08	7.14E-09	1.14E-04	1.80E-08	6.26E-09
5808	491623.43, 3860462.39	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.74E-09	1.08E-04	1.70E-08	5.91E-09
5809	491534.02, 3860439.85	1.05E-04	1.65E-08	5.75E-09	1.28E-04	2.02E-08	7.04E-09	1.12E-04	1.77E-08	6.17E-09
5810	491313.95, 3860268.18	1.11E-04	1.75E-08	6.10E-09	1.36E-04	2.14E-08	7.47E-09	1.19E-04	1.88E-08	6.55E-09
5811	491187.12, 3860143.56	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.14E-09	1.30E-04	2.05E-08	7.14E-09
5812	491070.43, 3860075.97	1.27E-04	2.01E-08	6.99E-09	1.56E-04	2.46E-08	8.56E-09	1.37E-04	2.15E-08	7.50E-09
5813	490995.09, 3860039.39	1.31E-04	2.06E-08	7.17E-09	1.60E-04	2.52E-08	8.78E-09	1.40E-04	2.21E-08	7.70E-09
5814	490919.75, 3860002.8	1.34E-04	2.11E-08	7.36E-09	1.64E-04	2.59E-08	9.02E-09	1.44E-04	2.27E-08	7.91E-09
5815	490756.81, 3859894.53	1.46E-04	2.30E-08	8.01E-09	1.79E-04	2.82E-08	9.81E-09	1.57E-04	2.47E-08	8.60E-09
5816	490668.07, 3859860.92	1.49E-04	2.35E-08	8.19E-09	1.83E-04	2.88E-08	1.00E-08	1.60E-04	2.53E-08	8.80E-09
5817	490579.34, 3859827.3	1.53E-04	2.41E-08	8.40E-09	1.88E-04	2.95E-08	1.03E-08	1.64E-04	2.59E-08	9.03E-09
5818	490490.6, 3859793.68	1.57E-04	2.47E-08	8.60E-09	1.92E-04	3.02E-08	1.05E-08	1.68E-04	2.65E-08	9.24E-09
5819	490401.86, 3859760.07	1.61E-04	2.53E-08	8.82E-09	1.97E-04	3.10E-08	1.08E-08	1.73E-04	2.72E-08	9.47E-09
5820	490313.12, 3859726.45	1.65E-04	2.60E-08	9.07E-09	2.02E-04	3.19E-08	1.11E-08	1.78E-04	2.80E-08	9.74E-09
5821	490224.39, 3859692.83	1.70E-04	2.68E-08	9.34E-09	2.09E-04	3.29E-08	1.14E-08	1.83E-04	2.88E-08	1.00E-08
5822	490135.65, 3859659.22	1.76E-04	2.77E-08	9.65E-09	2.15E-04	3.39E-08	1.18E-08	1.89E-04	2.98E-08	1.04E-08
5823	489918.19, 3859559.23	1.94E-04	3.06E-08	1.07E-08	2.38E-04	3.75E-08	1.31E-08	2.09E-04	3.29E-08	1.14E-08
5824	489743.61, 3859486	2.10E-04	3.31E-08	1.15E-08	2.57E-04	4.05E-08	1.41E-08	2.26E-04	3.55E-08	1.24E-08

5825	489660.32, 3859440.27	2.21E-04	3.48E-08	1.21E-08	2.70E-04	4.26E-08	1.48E-08	2.37E-04	3.74E-08	1.30E-08
5826	489577.04, 3859394.53	2.33E-04	3.67E-08	1.28E-08	2.85E-04	4.50E-08	1.57E-08	2.51E-04	3.95E-08	1.37E-08
5827	489493.75, 3859348.8	2.47E-04	3.89E-08	1.36E-08	3.03E-04	4.77E-08	1.66E-08	2.65E-04	4.18E-08	1.46E-08
5828	489321.28, 3859240.02	2.89E-04	4.56E-08	1.59E-08	3.55E-04	5.59E-08	1.95E-08	3.11E-04	4.90E-08	1.71E-08
5829	489235.41, 3859193.96	3.15E-04	4.96E-08	1.73E-08	3.86E-04	6.07E-08	2.12E-08	3.39E-04	5.33E-08	1.86E-08
5830	489149.54, 3859147.89	3.46E-04	5.45E-08	1.90E-08	4.24E-04	6.68E-08	2.33E-08	3.72E-04	5.86E-08	2.04E-08
5831	489063.68, 3859101.82	3.88E-04	6.11E-08	2.13E-08	4.75E-04	7.48E-08	2.61E-08	4.17E-04	6.57E-08	2.29E-08
5832	488977.81, 3859055.75	4.44E-04	7.00E-08	2.44E-08	5.44E-04	8.58E-08	2.99E-08	4.79E-04	7.54E-08	2.63E-08
5833	488891.94, 3859009.69	5.20E-04	8.20E-08	2.86E-08	6.37E-04	1.00E-07	3.50E-08	5.60E-04	8.83E-08	3.08E-08
5834	488808, 3859060.73	4.29E-04	6.75E-08	2.35E-08	5.25E-04	8.27E-08	2.88E-08	4.61E-04	7.27E-08	2.53E-08
5835	488809.93, 3859157.85	3.38E-04	5.32E-08	1.85E-08	4.14E-04	6.52E-08	2.27E-08	3.63E-04	5.72E-08	1.99E-08
5836	488811.86, 3859254.96	2.84E-04	4.48E-08	1.56E-08	3.48E-04	5.48E-08	1.91E-08	3.06E-04	4.81E-08	1.68E-08
5837	488813.78, 3859352.07	2.47E-04	3.90E-08	1.36E-08	3.03E-04	4.77E-08	1.66E-08	2.66E-04	4.19E-08	1.46E-08
5838	488815.71, 3859449.19	2.21E-04	3.48E-08	1.21E-08	2.70E-04	4.26E-08	1.48E-08	2.37E-04	3.74E-08	1.30E-08
5839	488910.04, 3859547.11	2.00E-04	3.16E-08	1.10E-08	2.46E-04	3.87E-08	1.35E-08	2.15E-04	3.39E-08	1.18E-08
5840	489002.45, 3859547.91	2.02E-04	3.18E-08	1.11E-08	2.47E-04	3.89E-08	1.36E-08	2.17E-04	3.41E-08	1.19E-08
5841	489094.85, 3859548.72	2.03E-04	3.20E-08	1.11E-08	2.49E-04	3.92E-08	1.36E-08	2.18E-04	3.44E-08	1.20E-08
5842	489230.05, 3859601.87	1.94E-04	3.06E-08	1.07E-08	2.38E-04	3.75E-08	1.31E-08	2.09E-04	3.29E-08	1.15E-08
5843	489227.52, 3859680.89	1.81E-04	2.85E-08	9.93E-09	2.22E-04	3.49E-08	1.22E-08	1.94E-04	3.06E-08	1.07E-08
5844	489133.47, 3859760.29	1.68E-04	2.65E-08	9.24E-09	2.06E-04	3.25E-08	1.13E-08	1.81E-04	2.85E-08	9.93E-09
5845	489041.96, 3859760.67	1.68E-04	2.64E-08	9.20E-09	2.05E-04	3.23E-08	1.13E-08	1.80E-04	2.84E-08	9.88E-09
5846	488950.45, 3859761.05	1.67E-04	2.62E-08	9.14E-09	2.04E-04	3.21E-08	1.12E-08	1.79E-04	2.82E-08	9.82E-09
5847	488858.94, 3859761.43	1.66E-04	2.61E-08	9.10E-09	2.03E-04	3.20E-08	1.11E-08	1.78E-04	2.81E-08	9.78E-09
5848	488767.43, 3859761.82	1.65E-04	2.59E-08	9.04E-09	2.02E-04	3.18E-08	1.11E-08	1.77E-04	2.79E-08	9.71E-09
5849	488675.92, 3859762.2	1.64E-04	2.58E-08	9.00E-09	2.01E-04	3.17E-08	1.10E-08	1.76E-04	2.78E-08	9.68E-09
5850	488584.41, 3859762.58	1.63E-04	2.57E-08	8.95E-09	2.00E-04	3.15E-08	1.10E-08	1.75E-04	2.76E-08	9.61E-09
5851	488492.9, 3859762.96	1.62E-04	2.55E-08	8.90E-09	1.99E-04	3.13E-08	1.09E-08	1.74E-04	2.75E-08	9.56E-09
5852	488402.76, 3859830.95	1.54E-04	2.42E-08	8.43E-09	1.88E-04	2.96E-08	1.03E-08	1.65E-04	2.60E-08	9.06E-09
5853	488404.14, 3859898.55	1.46E-04	2.30E-08	8.00E-09	1.79E-04	2.81E-08	9.80E-09	1.57E-04	2.47E-08	8.60E-09
5854	488505.18, 3859964.96	1.40E-04	2.21E-08	7.68E-09	1.71E-04	2.70E-08	9.41E-09	1.50E-04	2.37E-08	8.26E-09
5855	488604.85, 3859963.76	1.41E-04	2.22E-08	7.72E-09	1.72E-04	2.71E-08	9.45E-09	1.51E-04	2.38E-08	8.29E-09
5856	488704.51, 3859962.56	1.42E-04	2.23E-08	7.77E-09	1.73E-04	2.73E-08	9.51E-09	1.52E-04	2.40E-08	8.35E-09
5857	488804.18, 3859961.37	1.43E-04	2.25E-08	7.82E-09	1.75E-04	2.75E-08	9.58E-09	1.53E-04	2.41E-08	8.41E-09
5858	488903.85, 3859960.17	1.44E-04	2.26E-08	7.88E-09	1.76E-04	2.77E-08	9.66E-09	1.54E-04	2.43E-08	8.47E-09
5859	489003.52, 3859958.97	1.45E-04	2.28E-08	7.93E-09	1.77E-04	2.79E-08	9.71E-09	1.55E-04	2.45E-08	8.52E-09
5860	489103.18, 3859957.77	1.45E-04	2.29E-08	7.97E-09	1.78E-04	2.80E-08	9.76E-09	1.56E-04	2.46E-08	8.57E-09
5861	489201.48, 3860046.59	1.38E-04	2.17E-08	7.55E-09	1.69E-04	2.65E-08	9.25E-09	1.48E-04	2.33E-08	8.11E-09
5862	489200.11, 3860136.61	1.30E-04	2.04E-08	7.12E-09	1.59E-04	2.50E-08	8.72E-09	1.39E-04	2.20E-08	7.65E-09
5863	489198.74, 3860226.63	1.23E-04	1.93E-08	6.74E-09	1.50E-04	2.37E-08	8.25E-09	1.32E-04	2.08E-08	7.24E-09
5864	489197.38, 3860316.66	1.16E-04	1.83E-08	6.38E-09	1.42E-04	2.24E-08	7.82E-09	1.25E-04	1.97E-08	6.85E-09
5865	489196.01, 3860406.68	1.11E-04	1.74E-08	6.07E-09	1.35E-04	2.13E-08	7.43E-09	1.19E-04	1.87E-08	6.52E-09
5866	489194.64, 3860496.7	1.05E-04	1.65E-08	5.76E-09	1.29E-04	2.02E-08	7.05E-09	1.13E-04	1.78E-08	6.19E-09
5867	489193.27, 3860586.72	1.00E-04	1.58E-08	5.50E-09	1.23E-04	1.93E-08	6.73E-09	1.08E-04	1.69E-08	5.90E-09
5868	489092.02, 3860678.13	9.50E-05	1.50E-08	5.21E-09	1.16E-04	1.83E-08	6.38E-09	1.02E-04	1.61E-08	5.60E-09
5869	488992.13, 3860679.53	9.43E-05	1.49E-08	5.17E-09	1.15E-04	1.82E-08	6.34E-09	1.01E-04	1.60E-08	5.56E-09
5870	488892.25, 3860680.92	9.38E-05	1.48E-08	5.15E-09	1.15E-04	1.81E-08	6.31E-09	1.01E-04	1.59E-08	5.53E-09
5871	488792.36, 3860682.31	9.34E-05	1.47E-08	5.12E-09	1.14E-04	1.80E-08	6.28E-09	1.00E-04	1.58E-08	5.51E-09
5872	488692.48, 3860683.7	9.32E-05	1.47E-08	5.12E-09	1.14E-04	1.80E-08	6.27E-09	1.00E-04	1.58E-08	5.50E-09
5873	488592.59, 3860685.1	9.28E-05	1.46E-08	5.09E-09	1.14E-04	1.79E-08	6.24E-09	9.97E-05	1.57E-08	5.47E-09
5874	488492.71, 3860686.49	9.33E-05	1.47E-08	5.12E-09	1.14E-04	1.80E-08	6.27E-09	1.00E-04	1.58E-08	5.50E-09
5875	488299.07, 3860762.18	9.19E-05	1.45E-08	5.04E-09	1.13E-04	1.77E-08	6.18E-09	9.87E-05	1.56E-08	5.42E-09
5876	488205.32, 3860764.09	9.13E-05	1.44E-08	5.01E-09	1.12E-04	1.76E-08	6.14E-09	9.81E-05	1.54E-08	5.38E-09
5877	488111.56, 3860766	9.04E-05	1.42E-08	4.96E-09	1.11E-04	1.74E-08	6.08E-09	9.71E-05	1.53E-08	5.33E-09
5878	488017.81, 3860767.91	8.95E-05	1.41E-08	4.91E-09	1.10E-04	1.73E-08	6.01E-09	9.61E-05	1.51E-08	5.27E-09
5879	487924.06, 3860769.81	8.88E-05	1.40E-08	4.87E-09	1.09E-04	1.71E-08	5.97E-09	9.54E-05	1.50E-08	5.23E-09
5880	487830.31, 3860771.72	8.83E-05	1.39E-08	4.85E-09	1.08E-04	1.70E-08	5.94E-09	9.49E-05	1.49E-08	5.21E-09
5881	487736.55, 3860773.63	8.80E-05	1.39E-08	4.83E-09	1.08E-04	1.70E-08	5.92E-09	9.46E-05	1.49E-08	5.19E-09
5882	487642.8, 3860775.54	8.81E-05	1.39E-08	4.84E-09	1.08E-04	1.70E-08	5.92E-09	9.47E-05	1.49E-08	5.20E-09
5883	487549.48, 3860684.71	9.20E-05	1.45E-08	5.05E-09	1.13E-04	1.78E-08	6.19E-09	9.89E-05	1.56E-08	5.43E-09
5884	487549.91, 3860591.97	9.55E-05	1.50E-08	5.24E-09	1.17E-04	1.84E-08	6.42E-09	1.03E-04	1.62E-08	5.63E-09
5885	487550.34, 3860499.23	9.98E-05	1.57E-08	5.48E-09	1.22E-04	1.92E-08	6.71E-09	1.07E-04	1.69E-08	5.88E-09
5886	487550.76, 3860406.49	1.05E-04	1.65E-08	5.74E-09	1.28E-04	2.02E-08	7.03E-09	1.12E-04	1.77E-08	6.17E-09

5887 487551.19, 3860313.75	1.09E-04	1.72E-08	6.00E-09	1.34E-04	2.11E-08	7.35E-09	1.17E-04	1.85E-08	6.45E-09
5888 487551.62, 3860221.01	1.15E-04	1.81E-08	6.29E-09	1.40E-04	2.21E-08	7.71E-09	1.23E-04	1.94E-08	6.76E-09
5889 487552.05, 3860128.27	1.21E-04	1.91E-08	6.65E-09	1.48E-04	2.34E-08	8.15E-09	1.30E-04	2.05E-08	7.15E-09
5890 487552.48, 3860035.53	1.28E-04	2.02E-08	7.03E-09	1.57E-04	2.47E-08	8.61E-09	1.38E-04	2.17E-08	7.55E-09
5891 487552.91, 3859942.79	1.34E-04	2.12E-08	7.37E-09	1.65E-04	2.59E-08	9.03E-09	1.44E-04	2.28E-08	7.93E-09
5892 487553.33, 3859850.05	1.43E-04	2.25E-08	7.83E-09	1.75E-04	2.75E-08	9.60E-09	1.53E-04	2.42E-08	8.42E-09
5893 487553.76, 3859757.31	1.51E-04	2.38E-08	8.29E-09	1.85E-04	2.91E-08	1.02E-08	1.62E-04	2.56E-08	8.91E-09
5894 487554.19, 3859664.57	1.60E-04	2.53E-08	8.80E-09	1.96E-04	3.09E-08	1.08E-08	1.72E-04	2.71E-08	9.46E-09
5895 487460.2, 3859571.05	1.69E-04	2.66E-08	9.27E-09	2.07E-04	3.26E-08	1.14E-08	1.82E-04	2.86E-08	9.96E-09
5896 487365.78, 3859570.27	1.68E-04	2.64E-08	9.20E-09	2.05E-04	3.23E-08	1.13E-08	1.80E-04	2.84E-08	9.89E-09
5897 487271.36, 3859569.48	1.66E-04	2.62E-08	9.13E-09	2.04E-04	3.21E-08	1.12E-08	1.79E-04	2.82E-08	9.81E-09
5898 487176.94, 3859568.7	1.65E-04	2.60E-08	9.06E-09	2.02E-04	3.18E-08	1.11E-08	1.77E-04	2.79E-08	9.73E-09
5899 487082.51, 3859567.92	1.64E-04	2.58E-08	9.00E-09	2.01E-04	3.16E-08	1.10E-08	1.76E-04	2.77E-08	9.67E-09
5900 486988.09, 3859567.14	1.63E-04	2.56E-08	8.93E-09	1.99E-04	3.14E-08	1.09E-08	1.75E-04	2.75E-08	9.59E-09
5901 486893.67, 3859566.36	1.62E-04	2.55E-08	8.87E-09	1.98E-04	3.12E-08	1.09E-08	1.74E-04	2.74E-08	9.53E-09
5902 486799.25, 3859565.58	1.61E-04	2.53E-08	8.81E-09	1.97E-04	3.10E-08	1.08E-08	1.72E-04	2.72E-08	9.46E-09
5903 486704.83, 3859564.79	1.59E-04	2.51E-08	8.75E-09	1.95E-04	3.08E-08	1.07E-08	1.71E-04	2.70E-08	9.40E-09
5904 486610.41, 3859564.01	1.58E-04	2.49E-08	8.69E-09	1.94E-04	3.05E-08	1.06E-08	1.70E-04	2.68E-08	9.33E-09
5905 486515.99, 3859563.23	1.57E-04	2.47E-08	8.60E-09	1.92E-04	3.02E-08	1.05E-08	1.68E-04	2.65E-08	9.23E-09
5906 486421.57, 3859562.45	1.55E-04	2.45E-08	8.52E-09	1.90E-04	3.00E-08	1.04E-08	1.67E-04	2.63E-08	9.15E-09
5907 486327.14, 3859561.67	1.54E-04	2.43E-08	8.47E-09	1.89E-04	2.98E-08	1.04E-08	1.66E-04	2.61E-08	9.09E-09
5908 486232.72, 3859560.89	1.53E-04	2.41E-08	8.38E-09	1.87E-04	2.95E-08	1.03E-08	1.64E-04	2.58E-08	9.00E-09
5909 486138.3, 3859560.1	1.51E-04	2.38E-08	8.30E-09	1.85E-04	2.92E-08	1.02E-08	1.62E-04	2.56E-08	8.91E-09
5910 486043.88, 3859559.32	1.50E-04	2.36E-08	8.21E-09	1.83E-04	2.89E-08	1.01E-08	1.61E-04	2.53E-08	8.82E-09
5911 485949.35, 3859463.54	1.55E-04	2.44E-08	8.51E-09	1.90E-04	2.99E-08	1.04E-08	1.66E-04	2.62E-08	9.14E-09
5912 485949.24, 3859368.55	1.63E-04	2.56E-08	8.93E-09	1.99E-04	3.14E-08	1.09E-08	1.75E-04	2.75E-08	9.59E-09
5913 485949.12, 3859273.55	1.71E-04	2.70E-08	9.40E-09	2.10E-04	3.30E-08	1.15E-08	1.84E-04	2.90E-08	1.01E-08
5914 485949.01, 3859178.56	1.80E-04	2.84E-08	9.89E-09	2.21E-04	3.48E-08	1.21E-08	1.93E-04	3.05E-08	1.06E-08
5915 485948.9, 3859083.56	1.90E-04	3.00E-08	1.04E-08	2.33E-04	3.67E-08	1.28E-08	2.04E-04	3.22E-08	1.12E-08
5916 485948.79, 3858988.56	2.00E-04	3.16E-08	1.10E-08	2.45E-04	3.87E-08	1.35E-08	2.15E-04	3.39E-08	1.18E-08
5917 485948.67, 3858893.57	2.11E-04	3.33E-08	1.16E-08	2.59E-04	4.07E-08	1.42E-08	2.27E-04	3.57E-08	1.24E-08
5918 485948.56, 3858798.57	2.24E-04	3.53E-08	1.23E-08	2.75E-04	4.33E-08	1.51E-08	2.41E-04	3.79E-08	1.32E-08
5919 485948.45, 3858703.58	2.37E-04	3.73E-08	1.30E-08	2.90E-04	4.56E-08	1.59E-08	2.54E-04	4.00E-08	1.39E-08
5920 485948.34, 3858608.58	2.52E-04	3.96E-08	1.38E-08	3.08E-04	4.85E-08	1.69E-08	2.70E-04	4.25E-08	1.48E-08
5921 485948.22, 3858513.59	2.68E-04	4.22E-08	1.47E-08	3.28E-04	5.16E-08	1.80E-08	2.87E-04	4.53E-08	1.58E-08
5922 485948.11, 3858418.59	2.85E-04	4.48E-08	1.56E-08	3.48E-04	5.49E-08	1.91E-08	3.05E-04	4.81E-08	1.68E-08
5923 485948, 3858323.59	3.04E-04	4.79E-08	1.67E-08	3.73E-04	5.87E-08	2.05E-08	3.27E-04	5.15E-08	1.79E-08
5924 485947.89, 3858228.6	3.25E-04	5.12E-08	1.78E-08	3.98E-04	6.27E-08	2.18E-08	3.49E-04	5.49E-08	1.91E-08
5925 485947.77, 3858133.6	3.47E-04	5.47E-08	1.91E-08	4.25E-04	6.70E-08	2.33E-08	3.73E-04	5.87E-08	2.04E-08
5926 485947.66, 3858038.61	3.76E-04	5.92E-08	2.06E-08	4.60E-04	7.25E-08	2.53E-08	4.03E-04	6.35E-08	2.21E-08
5927 485854.54, 3857943.35	3.86E-04	6.09E-08	2.12E-08	4.73E-04	7.45E-08	2.60E-08	4.15E-04	6.53E-08	2.28E-08
5928 485761.52, 3857943.09	3.71E-04	5.85E-08	2.04E-08	4.55E-04	7.17E-08	2.50E-08	3.99E-04	6.28E-08	2.19E-08
5929 485668.51, 3857942.83	3.59E-04	5.65E-08	1.97E-08	4.39E-04	6.92E-08	2.41E-08	3.85E-04	6.07E-08	2.11E-08
5930 485575.5, 3857942.56	3.45E-04	5.44E-08	1.90E-08	4.23E-04	6.66E-08	2.32E-08	3.71E-04	5.84E-08	2.03E-08
5931 485482.48, 3857942.3	3.34E-04	5.26E-08	1.83E-08	4.09E-04	6.45E-08	2.25E-08	3.59E-04	5.65E-08	1.97E-08
5932 485389.47, 3857942.04	3.23E-04	5.09E-08	1.77E-08	3.96E-04	6.24E-08	2.17E-08	3.47E-04	5.47E-08	1.91E-08
5933 485296.46, 3857941.78	3.13E-04	4.94E-08	1.72E-08	3.84E-04	6.04E-08	2.11E-08	3.36E-04	5.30E-08	1.85E-08
5934 485203.45, 3857941.52	3.05E-04	4.80E-08	1.67E-08	3.73E-04	5.88E-08	2.05E-08	3.27E-04	5.16E-08	1.80E-08
5935 485110.43, 3857941.26	2.95E-04	4.65E-08	1.62E-08	3.62E-04	5.70E-08	1.99E-08	3.17E-04	5.00E-08	1.74E-08
5936 485017.42, 3857940.99	2.86E-04	4.51E-08	1.57E-08	3.50E-04	5.52E-08	1.92E-08	3.07E-04	4.84E-08	1.69E-08
5937 484924.41, 3857940.73	2.77E-04	4.36E-08	1.52E-08	3.39E-04	5.35E-08	1.86E-08	2.98E-04	4.69E-08	1.63E-08
5938 484831.39, 3857940.47	2.69E-04	4.24E-08	1.48E-08	3.30E-04	5.19E-08	1.81E-08	2.89E-04	4.56E-08	1.59E-08
5939 484738.12, 3857859.3	2.72E-04	4.29E-08	1.49E-08	3.33E-04	5.25E-08	1.83E-08	2.93E-04	4.61E-08	1.61E-08
5940 484737.85, 3857778.4	2.84E-04	4.48E-08	1.56E-08	3.48E-04	5.48E-08	1.91E-08	3.06E-04	4.81E-08	1.68E-08
5941 484737.59, 3857697.49	2.97E-04	4.67E-08	1.63E-08	3.63E-04	5.72E-08	1.99E-08	3.19E-04	5.02E-08	1.75E-08
5942 484737.32, 3857616.59	3.09E-04	4.87E-08	1.70E-08	3.78E-04	5.96E-08	2.08E-08	3.32E-04	5.23E-08	1.82E-08
5943 484645.53, 3857535.18	3.12E-04	4.92E-08	1.71E-08	3.82E-04	6.02E-08	2.10E-08	3.35E-04	5.29E-08	1.84E-08
5944 484553.99, 3857534.67	3.02E-04	4.75E-08	1.66E-08	3.69E-04	5.82E-08	2.03E-08	3.24E-04	5.11E-08	1.78E-08
5945 484462.46, 3857534.17	2.93E-04	4.61E-08	1.61E-08	3.58E-04	5.65E-08	1.97E-08	3.15E-04	4.96E-08	1.73E-08
5946 484370.93, 3857533.66	2.84E-04	4.47E-08	1.56E-08	3.48E-04	5.48E-08	1.91E-08	3.05E-04	4.81E-08	1.68E-08
5947 484279.4, 3857533.16	2.76E-04	4.34E-08	1.51E-08	3.38E-04	5.32E-08	1.85E-08	2.96E-04	4.67E-08	1.63E-08
5948 484187.86, 3857532.65	2.68E-04	4.21E-08	1.47E-08	3.28E-04	5.16E-08	1.80E-08	2.88E-04	4.53E-08	1.58E-08

5949	484096.33, 3857532.15	2.60E-04	4.10E-08	1.43E-08	3.19E-04	5.02E-08	1.75E-08	2.80E-04	4.41E-08	1.54E-08
5950	484004.8, 3857531.64	2.52E-04	3.98E-08	1.39E-08	3.09E-04	4.87E-08	1.70E-08	2.71E-04	4.28E-08	1.49E-08
5951	483913.27, 3857531.14	2.44E-04	3.85E-08	1.34E-08	2.99E-04	4.71E-08	1.64E-08	2.62E-04	4.13E-08	1.44E-08
5952	483821.73, 3857530.63	2.37E-04	3.73E-08	1.30E-08	2.90E-04	4.57E-08	1.59E-08	2.55E-04	4.01E-08	1.40E-08
5953	483729.61, 3857450.11	2.37E-04	3.74E-08	1.30E-08	2.91E-04	4.58E-08	1.59E-08	2.55E-04	4.02E-08	1.40E-08
5954	483729.03, 3857370.08	2.46E-04	3.88E-08	1.35E-08	3.01E-04	4.75E-08	1.65E-08	2.65E-04	4.17E-08	1.45E-08
5955	483728.44, 3857290.06	2.54E-04	4.01E-08	1.40E-08	3.11E-04	4.91E-08	1.71E-08	2.73E-04	4.31E-08	1.50E-08
5956	483727.86, 3857210.03	2.62E-04	4.13E-08	1.44E-08	3.21E-04	5.06E-08	1.76E-08	2.82E-04	4.44E-08	1.55E-08
5957	483641.15, 3857129.07	2.63E-04	4.15E-08	1.44E-08	3.22E-04	5.08E-08	1.77E-08	2.83E-04	4.46E-08	1.55E-08
5958	483555.03, 3857128.14	2.55E-04	4.02E-08	1.40E-08	3.12E-04	4.92E-08	1.71E-08	2.74E-04	4.32E-08	1.50E-08
5959	483468.91, 3857127.2	2.46E-04	3.87E-08	1.35E-08	3.01E-04	4.74E-08	1.65E-08	2.64E-04	4.16E-08	1.45E-08
5960	483382.78, 3857126.26	2.39E-04	3.77E-08	1.31E-08	2.93E-04	4.62E-08	1.61E-08	2.57E-04	4.05E-08	1.41E-08
5961	483296.66, 3857125.32	2.32E-04	3.66E-08	1.27E-08	2.84E-04	4.48E-08	1.56E-08	2.49E-04	3.93E-08	1.37E-08
5962	483210.54, 3857124.39	2.25E-04	3.54E-08	1.23E-08	2.75E-04	4.33E-08	1.51E-08	2.41E-04	3.80E-08	1.32E-08
5963	483123.4, 3857030.96	2.25E-04	3.54E-08	1.23E-08	2.75E-04	4.34E-08	1.51E-08	2.41E-04	3.80E-08	1.33E-08
5964	483122.38, 3856938.46	2.33E-04	3.67E-08	1.28E-08	2.85E-04	4.49E-08	1.56E-08	2.50E-04	3.94E-08	1.37E-08
5965	483121.35, 3856845.97	2.41E-04	3.79E-08	1.32E-08	2.95E-04	4.65E-08	1.62E-08	2.59E-04	4.08E-08	1.42E-08
5966	483120.33, 3856753.47	2.47E-04	3.90E-08	1.36E-08	3.03E-04	4.77E-08	1.66E-08	2.66E-04	4.19E-08	1.46E-08
5967	483119.31, 3856660.98	2.54E-04	4.00E-08	1.39E-08	3.11E-04	4.90E-08	1.71E-08	2.73E-04	4.30E-08	1.50E-08
5968	483118.29, 3856568.49	2.62E-04	4.12E-08	1.44E-08	3.21E-04	5.05E-08	1.76E-08	2.81E-04	4.43E-08	1.54E-08
5969	483117.26, 3856475.99	2.70E-04	4.26E-08	1.48E-08	3.31E-04	5.21E-08	1.82E-08	2.90E-04	4.57E-08	1.59E-08
5970	483116.24, 3856383.5	2.78E-04	4.38E-08	1.53E-08	3.41E-04	5.37E-08	1.87E-08	2.99E-04	4.70E-08	1.64E-08
5971	483115.22, 3856291.01	2.86E-04	4.51E-08	1.57E-08	3.51E-04	5.53E-08	1.93E-08	3.08E-04	4.85E-08	1.69E-08
5972	483114.2, 3856198.51	2.94E-04	4.63E-08	1.61E-08	3.60E-04	5.67E-08	1.98E-08	3.16E-04	4.97E-08	1.73E-08
5973	483113.17, 3856106.02	3.04E-04	4.79E-08	1.67E-08	3.73E-04	5.87E-08	2.04E-08	3.27E-04	5.15E-08	1.79E-08
5974	483112.15, 3856013.52	3.13E-04	4.93E-08	1.72E-08	3.83E-04	6.04E-08	2.10E-08	3.36E-04	5.30E-08	1.84E-08
5975	483029.25, 3855920.47	3.10E-04	4.89E-08	1.70E-08	3.80E-04	5.99E-08	2.09E-08	3.33E-04	5.25E-08	1.83E-08
5976	482947.37, 3855919.91	2.98E-04	4.69E-08	1.63E-08	3.65E-04	5.74E-08	2.00E-08	3.20E-04	5.03E-08	1.75E-08
5977	482865.49, 3855919.36	2.85E-04	4.50E-08	1.57E-08	3.50E-04	5.51E-08	1.92E-08	3.06E-04	4.83E-08	1.68E-08
5978	482783.61, 3855918.8	2.75E-04	4.33E-08	1.51E-08	3.37E-04	5.31E-08	1.85E-08	2.95E-04	4.65E-08	1.62E-08
5979	482700.33, 3855818.39	2.72E-04	4.28E-08	1.49E-08	3.33E-04	5.24E-08	1.83E-08	2.92E-04	4.60E-08	1.60E-08
5980	482698.92, 3855718.54	2.80E-04	4.41E-08	1.54E-08	3.43E-04	5.40E-08	1.88E-08	3.00E-04	4.73E-08	1.65E-08
5981	482697.52, 3855618.68	2.86E-04	4.50E-08	1.57E-08	3.50E-04	5.52E-08	1.92E-08	3.07E-04	4.83E-08	1.68E-08
5982	482696.11, 3855518.83	2.93E-04	4.62E-08	1.61E-08	3.59E-04	5.66E-08	1.97E-08	3.15E-04	4.96E-08	1.73E-08
5983	482694.71, 3855418.98	2.98E-04	4.70E-08	1.64E-08	3.65E-04	5.76E-08	2.01E-08	3.20E-04	5.04E-08	1.76E-08
5984	482693.3, 3855319.13	3.03E-04	4.78E-08	1.66E-08	3.72E-04	5.85E-08	2.04E-08	3.26E-04	5.13E-08	1.79E-08
5985	482691.9, 3855219.27	3.10E-04	4.89E-08	1.70E-08	3.80E-04	5.98E-08	2.09E-08	3.33E-04	5.25E-08	1.83E-08
5986	482690.49, 3855119.42	3.16E-04	4.99E-08	1.74E-08	3.88E-04	6.11E-08	2.13E-08	3.40E-04	5.35E-08	1.86E-08
5987	482689.09, 3855019.57	3.27E-04	5.15E-08	1.80E-08	4.01E-04	6.31E-08	2.20E-08	3.51E-04	5.54E-08	1.93E-08
5988	482687.68, 3854919.72	3.36E-04	5.30E-08	1.84E-08	4.12E-04	6.49E-08	2.26E-08	3.61E-04	5.69E-08	1.98E-08
5989	482686.28, 3854819.86	3.49E-04	5.49E-08	1.91E-08	4.27E-04	6.73E-08	2.34E-08	3.74E-04	5.90E-08	2.05E-08
5990	482684.88, 3854720.01	3.58E-04	5.64E-08	1.97E-08	4.39E-04	6.91E-08	2.41E-08	3.85E-04	6.06E-08	2.11E-08
5991	482683.47, 3854620.16	3.74E-04	5.90E-08	2.05E-08	4.59E-04	7.22E-08	2.52E-08	4.02E-04	6.34E-08	2.21E-08
5992	482682.07, 3854520.31	3.88E-04	6.12E-08	2.13E-08	4.76E-04	7.50E-08	2.61E-08	4.18E-04	6.58E-08	2.29E-08
5993	482680.66, 3854420.45	4.02E-04	6.34E-08	2.21E-08	4.93E-04	7.77E-08	2.71E-08	4.33E-04	6.82E-08	2.38E-08
5994	482679.26, 3854320.6	4.13E-04	6.51E-08	2.27E-08	5.06E-04	7.98E-08	2.78E-08	4.45E-04	7.01E-08	2.44E-08
5995	482677.85, 3854220.75	4.36E-04	6.87E-08	2.40E-08	5.35E-04	8.42E-08	2.93E-08	4.70E-04	7.40E-08	2.58E-08
5996	482676.45, 3854120.9	4.34E-04	6.84E-08	2.38E-08	5.32E-04	8.39E-08	2.92E-08	4.68E-04	7.37E-08	2.57E-08
5997	482675.04, 3854021.04	4.36E-04	6.87E-08	2.39E-08	5.34E-04	8.42E-08	2.93E-08	4.70E-04	7.40E-08	2.58E-08
5998	482673.64, 3853921.19	4.35E-04	6.85E-08	2.39E-08	5.33E-04	8.39E-08	2.92E-08	4.69E-04	7.38E-08	2.57E-08
5999	482672.23, 3853821.34	4.41E-04	6.94E-08	2.42E-08	5.40E-04	8.51E-08	2.96E-08	4.75E-04	7.49E-08	2.61E-08
6000	482670.83, 3853721.49	4.33E-04	6.83E-08	2.38E-08	5.31E-04	8.37E-08	2.91E-08	4.67E-04	7.36E-08	2.56E-08
6001	482669.42, 3853621.63	3.84E-04	6.05E-08	2.11E-08	4.71E-04	7.42E-08	2.58E-08	4.14E-04	6.53E-08	2.27E-08
6002	482645.99, 3853446.13	2.23E-04	3.51E-08	1.22E-08	2.73E-04	4.31E-08	1.50E-08	2.40E-04	3.78E-08	1.32E-08
6003	482623.97, 3853370.49	1.88E-04	2.97E-08	1.03E-08	2.31E-04	3.64E-08	1.27E-08	2.03E-04	3.19E-08	1.11E-08
6004	482601.94, 3853294.84	1.67E-04	2.63E-08	9.15E-09	2.04E-04	3.22E-08	1.12E-08	1.79E-04	2.82E-08	9.84E-09
6005	482531.29, 3853133.44	1.39E-04	2.19E-08	7.64E-09	1.71E-04	2.69E-08	9.37E-09	1.50E-04	2.36E-08	8.22E-09
6006	482482.68, 3853047.69	1.30E-04	2.05E-08	7.13E-09	1.59E-04	2.51E-08	8.74E-09	1.40E-04	2.20E-08	7.67E-09
6007	482383.09, 3852897.4	1.16E-04	1.83E-08	6.36E-09	1.42E-04	2.24E-08	7.80E-09	1.25E-04	1.96E-08	6.84E-09
6008	482265.64, 3852765.26	1.06E-04	1.67E-08	5.81E-09	1.30E-04	2.04E-08	7.12E-09	1.14E-04	1.79E-08	6.25E-09
6009	482199.16, 3852697.66	1.01E-04	1.60E-08	5.56E-09	1.24E-04	1.96E-08	6.82E-09	1.09E-04	1.72E-08	5.98E-09
6010	482132.69, 3852630.07	9.74E-05	1.53E-08	5.34E-09	1.19E-04	1.88E-08	6.54E-09	1.05E-04	1.65E-08	5.74E-09

6011 482066.21, 3852562.48	9.36E-05	1.47E-08	5.14E-09	1.15E-04	1.81E-08	6.29E-09	1.01E-04	1.58E-08	5.52E-09
6012 481999.74, 3852494.89	9.00E-05	1.42E-08	4.94E-09	1.10E-04	1.74E-08	6.05E-09	9.67E-05	1.52E-08	5.31E-09
6013 481933.26, 3852427.29	8.66E-05	1.36E-08	4.75E-09	1.06E-04	1.67E-08	5.82E-09	9.31E-05	1.47E-08	5.11E-09
6014 481866.79, 3852359.7	8.37E-05	1.32E-08	4.59E-09	1.03E-04	1.62E-08	5.63E-09	8.99E-05	1.42E-08	4.94E-09
6015 481800.31, 3852292.11	8.10E-05	1.28E-08	4.45E-09	9.92E-05	1.56E-08	5.45E-09	8.70E-05	1.37E-08	4.78E-09
6016 481733.84, 3852224.52	7.84E-05	1.24E-08	4.30E-09	9.61E-05	1.51E-08	5.27E-09	8.43E-05	1.33E-08	4.63E-09
6017 481667.36, 3852156.92	7.61E-05	1.20E-08	4.18E-09	9.32E-05	1.47E-08	5.12E-09	8.18E-05	1.29E-08	4.49E-09
6018 481600.89, 3852089.33	7.36E-05	1.16E-08	4.04E-09	9.02E-05	1.42E-08	4.95E-09	7.91E-05	1.25E-08	4.34E-09
6019 481534.41, 3852021.74	7.13E-05	1.12E-08	3.91E-09	8.73E-05	1.38E-08	4.79E-09	7.66E-05	1.21E-08	4.20E-09
6020 481467.94, 3851954.15	6.91E-05	1.09E-08	3.79E-09	8.47E-05	1.33E-08	4.65E-09	7.43E-05	1.17E-08	4.08E-09
6021 481401.46, 3851886.55	6.72E-05	1.06E-08	3.69E-09	8.23E-05	1.30E-08	4.52E-09	7.22E-05	1.14E-08	3.96E-09
6022 481265.87, 3851761.43	6.35E-05	1.00E-08	3.49E-09	7.78E-05	1.23E-08	4.27E-09	6.83E-05	1.08E-08	3.75E-09
6023 481196.74, 3851703.89	6.19E-05	9.75E-09	3.40E-09	7.58E-05	1.19E-08	4.16E-09	6.65E-05	1.05E-08	3.65E-09
6024 481076.33, 3851619.05	5.93E-05	9.35E-09	3.26E-09	7.27E-05	1.15E-08	3.99E-09	6.38E-05	1.00E-08	3.50E-09
6025 480939.8, 3851549.07	5.68E-05	8.95E-09	3.12E-09	6.96E-05	1.10E-08	3.82E-09	6.11E-05	9.62E-09	3.35E-09
6026 480854.56, 3851506.41	5.52E-05	8.70E-09	3.03E-09	6.77E-05	1.07E-08	3.71E-09	5.93E-05	9.35E-09	3.26E-09
6027 480769.32, 3851463.75	5.37E-05	8.46E-09	2.95E-09	6.58E-05	1.04E-08	3.61E-09	5.77E-05	9.09E-09	3.17E-09
6028 480684.08, 3851421.08	5.22E-05	8.22E-09	2.86E-09	6.39E-05	1.01E-08	3.51E-09	5.60E-05	8.83E-09	3.08E-09
6029 480598.84, 3851378.42	5.06E-05	7.97E-09	2.78E-09	6.20E-05	9.76E-09	3.40E-09	5.44E-05	8.56E-09	2.98E-09
6030 480435.71, 3851275.01	4.78E-05	7.53E-09	2.62E-09	5.85E-05	9.22E-09	3.21E-09	5.13E-05	8.09E-09	2.82E-09
6031 480347.85, 3851232.36	4.63E-05	7.29E-09	2.54E-09	5.67E-05	8.94E-09	3.11E-09	4.98E-05	7.84E-09	2.73E-09
6032 480260, 3851189.72	4.49E-05	7.07E-09	2.46E-09	5.50E-05	8.66E-09	3.02E-09	4.82E-05	7.60E-09	2.65E-09
6033 480172.15, 3851147.07	4.35E-05	6.86E-09	2.39E-09	5.33E-05	8.40E-09	2.93E-09	4.68E-05	7.37E-09	2.57E-09
6034 480084.29, 3851104.42	4.22E-05	6.64E-09	2.31E-09	5.16E-05	8.14E-09	2.83E-09	4.53E-05	7.14E-09	2.49E-09
6035 479996.44, 3851061.77	4.09E-05	6.44E-09	2.24E-09	5.01E-05	7.89E-09	2.75E-09	4.39E-05	6.92E-09	2.41E-09
6036 479908.58, 3851019.13	3.95E-05	6.22E-09	2.17E-09	4.84E-05	7.62E-09	2.66E-09	4.25E-05	6.69E-09	2.33E-09
6037 479820.73, 3850976.48	3.83E-05	6.04E-09	2.10E-09	4.69E-05	7.39E-09	2.58E-09	4.12E-05	6.49E-09	2.26E-09
6038 479732.88, 3850933.83	3.72E-05	5.85E-09	2.04E-09	4.55E-05	7.17E-09	2.50E-09	3.99E-05	6.29E-09	2.19E-09
6039 479645.02, 3850891.18	3.61E-05	5.69E-09	1.98E-09	4.42E-05	6.96E-09	2.43E-09	3.88E-05	6.11E-09	2.13E-09
6040 479557.17, 3850848.54	3.51E-05	5.54E-09	1.93E-09	4.31E-05	6.78E-09	2.36E-09	3.78E-05	5.95E-09	2.07E-09
6041 479469.32, 3850805.89	3.41E-05	5.37E-09	1.87E-09	4.18E-05	6.58E-09	2.29E-09	3.67E-05	5.78E-09	2.01E-09
6042 479381.46, 3850763.24	3.34E-05	5.26E-09	1.83E-09	4.09E-05	6.44E-09	2.24E-09	3.59E-05	5.65E-09	1.97E-09
6043 479293.61, 3850720.59	3.28E-05	5.16E-09	1.80E-09	4.02E-05	6.33E-09	2.20E-09	3.52E-05	5.55E-09	1.93E-09
6044 479205.76, 3850677.95	3.22E-05	5.07E-09	1.77E-09	3.94E-05	6.21E-09	2.16E-09	3.46E-05	5.45E-09	1.90E-09
6045 479117.9, 3850635.3	3.16E-05	4.98E-09	1.74E-09	3.88E-05	6.10E-09	2.13E-09	3.40E-05	5.36E-09	1.87E-09
6046 479030.05, 3850592.65	3.11E-05	4.90E-09	1.71E-09	3.81E-05	6.00E-09	2.09E-09	3.34E-05	5.26E-09	1.83E-09
6047 478942.19, 3850550	3.04E-05	4.79E-09	1.67E-09	3.72E-05	5.87E-09	2.04E-09	3.27E-05	5.15E-09	1.79E-09
6048 478854.34, 3850507.36	2.93E-05	4.62E-09	1.61E-09	3.59E-05	5.66E-09	1.97E-09	3.15E-05	4.96E-09	1.73E-09
6049 478766.49, 3850464.71	2.85E-05	4.49E-09	1.57E-09	3.49E-05	5.51E-09	1.92E-09	3.07E-05	4.83E-09	1.68E-09
6050 478678.63, 3850422.06	2.79E-05	4.39E-09	1.53E-09	3.42E-05	5.38E-09	1.87E-09	3.00E-05	4.72E-09	1.65E-09
6051 478590.78, 3850379.41	2.72E-05	4.29E-09	1.49E-09	3.34E-05	5.26E-09	1.83E-09	2.93E-05	4.61E-09	1.61E-09
6052 478502.93, 3850336.77	2.67E-05	4.21E-09	1.47E-09	3.28E-05	5.16E-09	1.80E-09	2.87E-05	4.53E-09	1.58E-09
6053 478415.07, 3850294.12	2.64E-05	4.16E-09	1.45E-09	3.23E-05	5.09E-09	1.77E-09	2.83E-05	4.47E-09	1.56E-09
6054 478327.22, 3850251.47	2.58E-05	4.06E-09	1.41E-09	3.16E-05	4.97E-09	1.73E-09	2.77E-05	4.36E-09	1.52E-09
6055 478239.36, 3850208.82	2.53E-05	3.99E-09	1.39E-09	3.10E-05	4.88E-09	1.70E-09	2.72E-05	4.28E-09	1.49E-09
6056 478151.51, 3850166.18	2.49E-05	3.92E-09	1.37E-09	3.05E-05	4.81E-09	1.67E-09	2.68E-05	4.22E-09	1.47E-09
6057 478063.66, 3850123.53	2.46E-05	3.87E-09	1.35E-09	3.01E-05	4.74E-09	1.65E-09	2.64E-05	4.16E-09	1.45E-09
6058 477975.8, 3850080.88	2.51E-05	3.95E-09	1.38E-09	3.07E-05	4.84E-09	1.68E-09	2.69E-05	4.24E-09	1.48E-09
6059 477887.95, 3850038.23	2.49E-05	3.93E-09	1.37E-09	3.05E-05	4.81E-09	1.68E-09	2.68E-05	4.22E-09	1.47E-09
6060 477800.1, 3849995.59	2.49E-05	3.92E-09	1.37E-09	3.05E-05	4.80E-09	1.67E-09	2.67E-05	4.21E-09	1.47E-09
6061 477712.24, 3849952.94	2.46E-05	3.88E-09	1.35E-09	3.02E-05	4.75E-09	1.66E-09	2.65E-05	4.17E-09	1.45E-09
6062 477624.39, 3849910.29	2.44E-05	3.84E-09	1.34E-09	2.99E-05	4.71E-09	1.64E-09	2.62E-05	4.13E-09	1.44E-09
6063 477536.54, 3849867.64	2.42E-05	3.82E-09	1.33E-09	2.97E-05	4.67E-09	1.63E-09	2.60E-05	4.10E-09	1.43E-09
6064 477448.68, 3849825	2.39E-05	3.77E-09	1.31E-09	2.93E-05	4.62E-09	1.61E-09	2.57E-05	4.05E-09	1.41E-09
6065 477360.83, 3849782.35	2.37E-05	3.73E-09	1.30E-09	2.90E-05	4.57E-09	1.59E-09	2.54E-05	4.01E-09	1.40E-09
6066 477272.97, 3849739.7	2.34E-05	3.69E-09	1.28E-09	2.87E-05	4.52E-09	1.57E-09	2.52E-05	3.96E-09	1.38E-09
6067 477185.12, 3849697.05	2.32E-05	3.65E-09	1.27E-09	2.84E-05	4.47E-09	1.56E-09	2.49E-05	3.93E-09	1.37E-09
6068 477097.27, 3849654.41	2.29E-05	3.60E-09	1.26E-09	2.80E-05	4.41E-09	1.54E-09	2.46E-05	3.87E-09	1.35E-09
6069 477009.41, 3849611.76	2.24E-05	3.53E-09	1.23E-09	2.74E-05	4.32E-09	1.51E-09	2.41E-05	3.79E-09	1.32E-09
6070 476841.49, 3849530.08	2.18E-05	3.44E-09	1.20E-09	2.67E-05	4.21E-09	1.47E-09	2.35E-05	3.70E-09	1.29E-09
6071 476761.41, 3849491.05	2.16E-05	3.41E-09	1.19E-09	2.65E-05	4.18E-09	1.45E-09	2.33E-05	3.66E-09	1.28E-09
6072 476681.34, 3849452.02	2.13E-05	3.36E-09	1.17E-09	2.61E-05	4.11E-09	1.43E-09	2.29E-05	3.61E-09	1.26E-09

6073	476601.26, 3849412.99	2.09E-05	3.30E-09	1.15E-09	2.57E-05	4.04E-09	1.41E-09	2.25E-05	3.54E-09	1.24E-09
6074	476456.32, 3849353.67	2.02E-05	3.19E-09	1.11E-09	2.48E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
6075	476305.43, 3849318.84	2.02E-05	3.19E-09	1.11E-09	2.48E-05	3.90E-09	1.36E-09	2.17E-05	3.42E-09	1.19E-09
6076	476129.36, 3849289.99	2.01E-05	3.16E-09	1.10E-09	2.46E-05	3.87E-09	1.35E-09	2.15E-05	3.39E-09	1.18E-09
6077	476039.31, 3849275.68	2.00E-05	3.15E-09	1.10E-09	2.45E-05	3.86E-09	1.35E-09	2.15E-05	3.39E-09	1.18E-09
6078	475949.26, 3849261.38	1.97E-05	3.10E-09	1.08E-09	2.41E-05	3.79E-09	1.32E-09	2.11E-05	3.33E-09	1.16E-09
6079	475859.21, 3849247.08	1.96E-05	3.08E-09	1.07E-09	2.40E-05	3.77E-09	1.31E-09	2.10E-05	3.31E-09	1.15E-09
6080	475769.16, 3849232.77	1.94E-05	3.06E-09	1.06E-09	2.38E-05	3.74E-09	1.30E-09	2.08E-05	3.28E-09	1.14E-09
6081	475585.23, 3849219.27	1.75E-05	2.76E-09	9.63E-10	2.15E-05	3.39E-09	1.18E-09	1.88E-05	2.97E-09	1.03E-09
6082	475444.5, 3849150.35	1.83E-05	2.88E-09	1.00E-09	2.24E-05	3.53E-09	1.23E-09	1.96E-05	3.09E-09	1.08E-09
6083	475334.18, 3849118.71	1.83E-05	2.89E-09	1.01E-09	2.24E-05	3.53E-09	1.23E-09	1.97E-05	3.10E-09	1.08E-09
6084	475230.47, 3849060.57	1.81E-05	2.85E-09	9.92E-10	2.21E-05	3.49E-09	1.22E-09	1.94E-05	3.06E-09	1.07E-09
6085	475110.86, 3848960.97	1.76E-05	2.77E-09	9.67E-10	2.16E-05	3.40E-09	1.18E-09	1.89E-05	2.98E-09	1.04E-09
6086	475037.79, 3848896.28	1.72E-05	2.72E-09	9.46E-10	2.11E-05	3.33E-09	1.16E-09	1.85E-05	2.92E-09	1.02E-09
6087	474964.72, 3848831.59	1.69E-05	2.66E-09	9.26E-10	2.07E-05	3.25E-09	1.13E-09	1.81E-05	2.85E-09	9.94E-10
6088	474891.65, 3848766.9	1.66E-05	2.62E-09	9.12E-10	2.03E-05	3.21E-09	1.12E-09	1.78E-05	2.81E-09	9.79E-10
6089	474818.58, 3848702.22	1.64E-05	2.59E-09	9.01E-10	2.01E-05	3.17E-09	1.10E-09	1.76E-05	2.78E-09	9.68E-10
6090	474745.51, 3848637.53	1.64E-05	2.59E-09	9.02E-10	2.01E-05	3.17E-09	1.10E-09	1.76E-05	2.78E-09	9.69E-10
6091	474672.44, 3848572.84	1.63E-05	2.57E-09	8.94E-10	2.00E-05	3.14E-09	1.10E-09	1.75E-05	2.76E-09	9.60E-10
6092	474599.37, 3848508.15	1.60E-05	2.52E-09	8.77E-10	1.96E-05	3.08E-09	1.07E-09	1.72E-05	2.70E-09	9.42E-10
6093	474526.3, 3848443.46	1.58E-05	2.48E-09	8.65E-10	1.93E-05	3.04E-09	1.06E-09	1.69E-05	2.67E-09	9.29E-10

IMF - Park Risk

		2028 Mitigated			2033 Mitigated			2048 Mitigated		
Rec#	X, Y	Concentrat	Dose	Risk	Concentrat	Dose	Risk	Concentrat	Dose	Risk
1	485973.61, 3854936.5	1.14E-03	3.61E-07	1.05E-07	1.40E-03	4.43E-07	1.29E-07	1.23E-03	3.87E-07	1.12E-07
2	486023.61, 3854936.5	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.17E-03	3.70E-07	1.08E-07
3	486073.61, 3854936.5	1.06E-03	3.34E-07	9.72E-08	1.30E-03	4.09E-07	1.19E-07	1.13E-03	3.58E-07	1.04E-07
4	486123.61, 3854936.5	1.00E-03	3.16E-07	9.20E-08	1.23E-03	3.87E-07	1.13E-07	1.07E-03	3.39E-07	9.85E-08
5	486173.61, 3854936.5	9.82E-04	3.10E-07	9.01E-08	1.20E-03	3.80E-07	1.10E-07	1.05E-03	3.32E-07	9.65E-08
6	486223.61, 3854936.5	9.43E-04	2.98E-07	8.66E-08	1.16E-03	3.65E-07	1.06E-07	1.01E-03	3.19E-07	9.28E-08
7	486273.61, 3854936.5	9.13E-04	2.88E-07	8.38E-08	1.12E-03	3.53E-07	1.03E-07	9.78E-04	3.09E-07	8.98E-08
8	486323.61, 3854936.5	8.86E-04	2.80E-07	8.13E-08	1.09E-03	3.43E-07	9.96E-08	9.49E-04	3.00E-07	8.71E-08
9	485973.61, 3854986.5	1.24E-03	3.90E-07	1.13E-07	1.51E-03	4.78E-07	1.39E-07	1.32E-03	4.18E-07	1.22E-07
10	486023.61, 3854986.5	1.19E-03	3.75E-07	1.09E-07	1.45E-03	4.59E-07	1.34E-07	1.27E-03	4.01E-07	1.17E-07
11	486073.61, 3854986.5	1.14E-03	3.58E-07	1.04E-07	1.39E-03	4.39E-07	1.28E-07	1.22E-03	3.84E-07	1.12E-07
12	486123.61, 3854986.5	1.09E-03	3.43E-07	9.99E-08	1.33E-03	4.21E-07	1.22E-07	1.17E-03	3.68E-07	1.07E-07
13	486173.61, 3854986.5	1.06E-03	3.33E-07	9.69E-08	1.29E-03	4.08E-07	1.19E-07	1.13E-03	3.57E-07	1.04E-07
14	486223.61, 3854986.5	1.01E-03	3.19E-07	9.29E-08	1.24E-03	3.91E-07	1.14E-07	1.08E-03	3.42E-07	9.95E-08
15	486273.61, 3854986.5	9.68E-04	3.06E-07	8.89E-08	1.19E-03	3.74E-07	1.09E-07	1.04E-03	3.27E-07	9.52E-08
16	486323.61, 3854986.5	9.53E-04	3.01E-07	8.75E-08	1.17E-03	3.69E-07	1.07E-07	1.02E-03	3.22E-07	9.38E-08
17	485973.61, 3855036.5	1.33E-03	4.21E-07	1.23E-07	1.64E-03	5.16E-07	1.50E-07	1.43E-03	4.51E-07	1.31E-07
18	486023.61, 3855036.5	1.28E-03	4.03E-07	1.17E-07	1.56E-03	4.94E-07	1.44E-07	1.37E-03	4.32E-07	1.26E-07
19	486073.61, 3855036.5	1.21E-03	3.83E-07	1.11E-07	1.49E-03	4.69E-07	1.37E-07	1.30E-03	4.11E-07	1.19E-07
20	486123.61, 3855036.5	1.16E-03	3.67E-07	1.07E-07	1.43E-03	4.50E-07	1.31E-07	1.25E-03	3.94E-07	1.14E-07
21	486173.61, 3855036.5	1.13E-03	3.56E-07	1.04E-07	1.38E-03	4.36E-07	1.27E-07	1.21E-03	3.82E-07	1.11E-07
22	486223.61, 3855036.5	1.08E-03	3.40E-07	9.88E-08	1.32E-03	4.16E-07	1.21E-07	1.15E-03	3.64E-07	1.06E-07
23	486273.61, 3855036.5	1.05E-03	3.31E-07	9.63E-08	1.28E-03	4.05E-07	1.18E-07	1.12E-03	3.55E-07	1.03E-07
24	486323.61, 3855036.5	1.01E-03	3.19E-07	9.27E-08	1.24E-03	3.90E-07	1.14E-07	1.08E-03	3.42E-07	9.93E-08
25	485973.61, 3855086.5	1.43E-03	4.52E-07	1.31E-07	1.75E-03	5.53E-07	1.61E-07	1.53E-03	4.84E-07	1.41E-07
26	486023.61, 3855086.5	1.37E-03	4.34E-07	1.26E-07	1.68E-03	5.31E-07	1.54E-07	1.47E-03	4.65E-07	1.35E-07
27	486073.61, 3855086.5	1.30E-03	4.11E-07	1.20E-07	1.60E-03	5.04E-07	1.47E-07	1.40E-03	4.41E-07	1.28E-07
28	486123.61, 3855086.5	1.26E-03	3.96E-07	1.15E-07	1.54E-03	4.85E-07	1.41E-07	1.35E-03	4.25E-07	1.24E-07
29	486173.61, 3855086.5	1.20E-03	3.78E-07	1.10E-07	1.47E-03	4.63E-07	1.35E-07	1.28E-03	4.05E-07	1.18E-07
30	486223.61, 3855086.5	1.15E-03	3.64E-07	1.06E-07	1.41E-03	4.46E-07	1.30E-07	1.24E-03	3.91E-07	1.14E-07
31	485973.61, 3855136.5	1.54E-03	4.86E-07	1.41E-07	1.89E-03	5.95E-07	1.73E-07	1.65E-03	5.21E-07	1.52E-07
32	486023.61, 3855136.5	1.47E-03	4.64E-07	1.35E-07	1.80E-03	5.68E-07	1.65E-07	1.58E-03	4.97E-07	1.45E-07
33	486073.61, 3855136.5	1.40E-03	4.42E-07	1.29E-07	1.72E-03	5.42E-07	1.58E-07	1.50E-03	4.74E-07	1.38E-07
34	486123.61, 3855136.5	1.34E-03	4.23E-07	1.23E-07	1.64E-03	5.19E-07	1.51E-07	1.44E-03	4.54E-07	1.32E-07
35	486173.61, 3855136.5	1.28E-03	4.05E-07	1.18E-07	1.57E-03	4.96E-07	1.44E-07	1.38E-03	4.34E-07	1.26E-07
36	486223.61, 3855136.5	1.23E-03	3.88E-07	1.13E-07	1.51E-03	4.76E-07	1.38E-07	1.32E-03	4.17E-07	1.21E-07
37	485973.61, 3855186.5	1.65E-03	5.21E-07	1.52E-07	2.02E-03	6.38E-07	1.86E-07	1.77E-03	5.59E-07	1.63E-07
38	486023.61, 3855186.5	1.58E-03	4.98E-07	1.45E-07	1.93E-03	6.10E-07	1.77E-07	1.69E-03	5.34E-07	1.55E-07
39	486073.61, 3855186.5	1.50E-03	4.72E-07	1.37E-07	1.83E-03	5.78E-07	1.68E-07	1.61E-03	5.07E-07	1.47E-07
40	486123.61, 3855186.5	1.42E-03	4.48E-07	1.30E-07	1.74E-03	5.49E-07	1.60E-07	1.53E-03	4.81E-07	1.40E-07
41	486173.61, 3855186.5	1.36E-03	4.29E-07	1.25E-07	1.67E-03	5.26E-07	1.53E-07	1.46E-03	4.61E-07	1.34E-07
42	486223.61, 3855186.5	1.30E-03	4.12E-07	1.20E-07	1.60E-03	5.04E-07	1.47E-07	1.40E-03	4.42E-07	1.29E-07
43	486273.61, 3855186.5	1.25E-03	3.94E-07	1.15E-07	1.53E-03	4.83E-07	1.40E-07	1.34E-03	4.23E-07	1.23E-07
44	486323.61, 3855186.5	1.23E-03	3.88E-07	1.13E-07	1.51E-03	4.75E-07	1.38E-07	1.32E-03	4.16E-07	1.21E-07
45	485973.61, 3855236.5	1.76E-03	5.57E-07	1.62E-07	2.16E-03	6.82E-07	1.98E-07	1.89E-03	5.98E-07	1.74E-07
46	486023.61, 3855236.5	1.67E-03	5.28E-07	1.53E-07	2.05E-03	6.46E-07	1.88E-07	1.79E-03	5.67E-07	1.65E-07
47	486073.61, 3855236.5	1.58E-03	5.00E-07	1.45E-07	1.94E-03	6.12E-07	1.78E-07	1.70E-03	5.36E-07	1.56E-07
48	486123.61, 3855236.5	1.51E-03	4.77E-07	1.39E-07	1.85E-03	5.84E-07	1.70E-07	1.62E-03	5.12E-07	1.49E-07
49	486173.61, 3855236.5	1.44E-03	4.56E-07	1.33E-07	1.77E-03	5.59E-07	1.62E-07	1.55E-03	4.90E-07	1.42E-07
50	486223.61, 3855236.5	1.38E-03	4.36E-07	1.27E-07	1.69E-03	5.34E-07	1.55E-07	1.48E-03	4.68E-07	1.36E-07
51	486273.61, 3855236.5	1.30E-03	4.12E-07	1.20E-07	1.60E-03	5.05E-07	1.47E-07	1.40E-03	4.42E-07	1.29E-07
52	486323.61, 3855236.5	1.30E-03	4.10E-07	1.19E-07	1.59E-03	5.02E-07	1.46E-07	1.39E-03	4.40E-07	1.28E-07
53	485973.61, 3855286.5	1.88E-03	5.93E-07	1.72E-07	2.30E-03	7.26E-07	2.11E-07	2.02E-03	6.37E-07	1.85E-07
54	486023.61, 3855286.5	1.77E-03	5.60E-07	1.63E-07	2.17E-03	6.86E-07	1.99E-07	1.91E-03	6.02E-07	1.75E-07
55	486073.61, 3855286.5	1.68E-03	5.32E-07	1.55E-07	2.06E-03	6.51E-07	1.89E-07	1.81E-03	5.71E-07	1.66E-07
56	486123.61, 3855286.5	1.60E-03	5.04E-07	1.47E-07	1.96E-03	6.18E-07	1.80E-07	1.72E-03	5.42E-07	1.58E-07
57	486173.61, 3855286.5	1.52E-03	4.80E-07	1.40E-07	1.86E-03	5.88E-07	1.71E-07	1.63E-03	5.16E-07	1.50E-07

58	486223.61, 3855286.5	1.46E-03	4.60E-07	1.34E-07	1.79E-03	5.64E-07	1.64E-07	1.57E-03	4.94E-07	1.44E-07
59	486123.61, 3855336.5	1.69E-03	5.32E-07	1.55E-07	2.07E-03	6.52E-07	1.90E-07	1.81E-03	5.72E-07	1.66E-07
60	486173.61, 3855336.5	1.61E-03	5.08E-07	1.48E-07	1.97E-03	6.23E-07	1.81E-07	1.73E-03	5.46E-07	1.59E-07
61	486223.61, 3855336.5	1.54E-03	4.85E-07	1.41E-07	1.88E-03	5.94E-07	1.73E-07	1.65E-03	5.22E-07	1.52E-07
62	486123.61, 3855386.5	1.78E-03	5.63E-07	1.64E-07	2.19E-03	6.90E-07	2.01E-07	1.92E-03	6.05E-07	1.76E-07
63	486173.61, 3855386.5	1.70E-03	5.37E-07	1.56E-07	2.08E-03	6.58E-07	1.91E-07	1.83E-03	5.77E-07	1.68E-07
64	486223.61, 3855386.5	1.63E-03	5.13E-07	1.49E-07	1.99E-03	6.29E-07	1.83E-07	1.75E-03	5.52E-07	1.61E-07
65	486533.18, 3855443.1	1.37E-03	4.31E-07	1.25E-07	1.67E-03	5.28E-07	1.54E-07	1.47E-03	4.64E-07	1.35E-07
66	486583.18, 3855443.1	1.32E-03	4.15E-07	1.21E-07	1.61E-03	5.09E-07	1.48E-07	1.42E-03	4.47E-07	1.30E-07
67	486633.18, 3855443.1	1.27E-03	4.01E-07	1.17E-07	1.56E-03	4.91E-07	1.43E-07	1.37E-03	4.31E-07	1.25E-07
68	486683.18, 3855443.1	1.23E-03	3.90E-07	1.13E-07	1.51E-03	4.77E-07	1.39E-07	1.33E-03	4.19E-07	1.22E-07
69	486533.18, 3855493.1	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.53E-07	1.61E-07	1.54E-03	4.85E-07	1.41E-07
70	486583.18, 3855493.1	1.38E-03	4.36E-07	1.27E-07	1.69E-03	5.33E-07	1.55E-07	1.48E-03	4.69E-07	1.36E-07
71	486633.18, 3855493.1	1.33E-03	4.20E-07	1.22E-07	1.63E-03	5.15E-07	1.50E-07	1.43E-03	4.52E-07	1.31E-07
72	486683.18, 3855493.1	1.29E-03	4.06E-07	1.18E-07	1.58E-03	4.97E-07	1.45E-07	1.38E-03	4.37E-07	1.27E-07
73	486533.18, 3855543.1	1.50E-03	4.74E-07	1.38E-07	1.84E-03	5.81E-07	1.69E-07	1.62E-03	5.10E-07	1.48E-07
74	486583.18, 3855543.1	1.44E-03	4.54E-07	1.32E-07	1.76E-03	5.56E-07	1.62E-07	1.55E-03	4.88E-07	1.42E-07
75	486633.18, 3855543.1	1.39E-03	4.38E-07	1.27E-07	1.70E-03	5.37E-07	1.56E-07	1.49E-03	4.72E-07	1.37E-07
76	486683.18, 3855543.1	1.33E-03	4.20E-07	1.22E-07	1.63E-03	5.14E-07	1.50E-07	1.43E-03	4.52E-07	1.31E-07
77	486533.18, 3855593.1	1.57E-03	4.96E-07	1.44E-07	1.92E-03	6.07E-07	1.77E-07	1.69E-03	5.34E-07	1.55E-07
78	486583.18, 3855593.1	1.51E-03	4.75E-07	1.38E-07	1.84E-03	5.82E-07	1.69E-07	1.62E-03	5.12E-07	1.49E-07
79	486633.18, 3855593.1	1.45E-03	4.57E-07	1.33E-07	1.78E-03	5.60E-07	1.63E-07	1.56E-03	4.92E-07	1.43E-07
80	486683.18, 3855593.1	1.40E-03	4.42E-07	1.29E-07	1.72E-03	5.42E-07	1.58E-07	1.51E-03	4.76E-07	1.38E-07
81	486533.18, 3855643.1	1.65E-03	5.20E-07	1.51E-07	2.02E-03	6.36E-07	1.85E-07	1.77E-03	5.60E-07	1.63E-07
82	486583.18, 3855643.1	1.58E-03	4.99E-07	1.45E-07	1.94E-03	6.11E-07	1.78E-07	1.70E-03	5.37E-07	1.56E-07
83	486633.18, 3855643.1	1.52E-03	4.79E-07	1.39E-07	1.86E-03	5.87E-07	1.71E-07	1.63E-03	5.16E-07	1.50E-07
84	486683.18, 3855643.1	1.46E-03	4.62E-07	1.34E-07	1.79E-03	5.66E-07	1.65E-07	1.58E-03	4.97E-07	1.45E-07
85	486533.18, 3855693.1	1.74E-03	5.48E-07	1.59E-07	2.13E-03	6.71E-07	1.95E-07	1.87E-03	5.90E-07	1.72E-07
86	486583.18, 3855693.1	1.65E-03	5.21E-07	1.52E-07	2.02E-03	6.39E-07	1.86E-07	1.78E-03	5.62E-07	1.63E-07
87	486633.18, 3855693.1	1.57E-03	4.96E-07	1.44E-07	1.93E-03	6.08E-07	1.77E-07	1.69E-03	5.35E-07	1.55E-07
88	486683.18, 3855693.1	1.53E-03	4.82E-07	1.40E-07	1.87E-03	5.91E-07	1.72E-07	1.65E-03	5.19E-07	1.51E-07
89	486733.18, 3855693.1	1.50E-03	4.73E-07	1.38E-07	1.83E-03	5.79E-07	1.68E-07	1.61E-03	5.09E-07	1.48E-07
90	486783.18, 3855693.1	1.48E-03	4.66E-07	1.35E-07	1.81E-03	5.70E-07	1.66E-07	1.59E-03	5.01E-07	1.46E-07
91	486533.18, 3855743.1	1.82E-03	5.76E-07	1.67E-07	2.23E-03	7.05E-07	2.05E-07	1.96E-03	6.20E-07	1.80E-07
92	486583.18, 3855743.1	1.72E-03	5.43E-07	1.58E-07	2.11E-03	6.66E-07	1.94E-07	1.86E-03	5.86E-07	1.70E-07
93	486633.18, 3855743.1	1.65E-03	5.20E-07	1.51E-07	2.02E-03	6.37E-07	1.85E-07	1.78E-03	5.60E-07	1.63E-07
94	486683.18, 3855743.1	1.61E-03	5.08E-07	1.48E-07	1.97E-03	6.22E-07	1.81E-07	1.73E-03	5.47E-07	1.59E-07
95	486733.18, 3855743.1	1.56E-03	4.93E-07	1.43E-07	1.91E-03	6.04E-07	1.76E-07	1.68E-03	5.31E-07	1.54E-07
96	486783.18, 3855743.1	1.54E-03	4.87E-07	1.42E-07	1.89E-03	5.97E-07	1.74E-07	1.66E-03	5.25E-07	1.53E-07
97	486533.18, 3855793.1	1.92E-03	6.06E-07	1.76E-07	2.35E-03	7.42E-07	2.16E-07	2.07E-03	6.53E-07	1.90E-07
98	486583.18, 3855793.1	1.79E-03	5.65E-07	1.64E-07	2.19E-03	6.92E-07	2.01E-07	1.93E-03	6.09E-07	1.77E-07
99	486633.18, 3855793.1	1.74E-03	5.50E-07	1.60E-07	2.13E-03	6.73E-07	1.96E-07	1.88E-03	5.93E-07	1.72E-07
100	486683.18, 3855793.1	1.70E-03	5.36E-07	1.56E-07	2.08E-03	6.57E-07	1.91E-07	1.83E-03	5.78E-07	1.68E-07
101	486733.18, 3855793.1	1.65E-03	5.22E-07	1.52E-07	2.02E-03	6.39E-07	1.86E-07	1.78E-03	5.62E-07	1.63E-07
102	486783.18, 3855793.1	1.61E-03	5.09E-07	1.48E-07	1.98E-03	6.24E-07	1.81E-07	1.74E-03	5.49E-07	1.60E-07
103	486533.18, 3855843.1	2.01E-03	6.33E-07	1.84E-07	2.46E-03	7.75E-07	2.26E-07	2.16E-03	6.82E-07	1.98E-07
104	486583.18, 3855843.1	1.89E-03	5.96E-07	1.73E-07	2.31E-03	7.30E-07	2.12E-07	2.04E-03	6.42E-07	1.87E-07
105	486633.18, 3855843.1	1.84E-03	5.80E-07	1.69E-07	2.25E-03	7.10E-07	2.07E-07	1.98E-03	6.25E-07	1.82E-07
106	486683.18, 3855843.1	1.79E-03	5.65E-07	1.64E-07	2.19E-03	6.92E-07	2.01E-07	1.93E-03	6.09E-07	1.77E-07
107	486733.18, 3855843.1	1.74E-03	5.50E-07	1.60E-07	2.14E-03	6.74E-07	1.96E-07	1.88E-03	5.93E-07	1.73E-07
108	486783.18, 3855843.1	1.70E-03	5.36E-07	1.56E-07	2.08E-03	6.56E-07	1.91E-07	1.83E-03	5.77E-07	1.68E-07
109	486533.18, 3855893.1	2.07E-03	6.54E-07	1.90E-07	2.54E-03	8.01E-07	2.33E-07	2.23E-03	7.05E-07	2.05E-07
110	486583.18, 3855893.1	2.00E-03	6.32E-07	1.84E-07	2.45E-03	7.75E-07	2.25E-07	2.16E-03	6.82E-07	1.98E-07
111	486633.18, 3855893.1	1.94E-03	6.12E-07	1.78E-07	2.38E-03	7.50E-07	2.18E-07	2.09E-03	6.60E-07	1.92E-07
112	486683.18, 3855893.1	1.89E-03	5.95E-07	1.73E-07	2.31E-03	7.29E-07	2.12E-07	2.03E-03	6.42E-07	1.87E-07
113	486733.18, 3855893.1	1.84E-03	5.79E-07	1.68E-07	2.25E-03	7.09E-07	2.06E-07	1.98E-03	6.24E-07	1.82E-07
114	486783.18, 3855893.1	1.79E-03	5.66E-07	1.65E-07	2.20E-03	6.93E-07	2.02E-07	1.93E-03	6.10E-07	1.77E-07
115	486533.18, 3855943.1	2.19E-03	6.90E-07	2.01E-07	2.68E-03	8.45E-07	2.46E-07	2.36E-03	7.44E-07	2.16E-07
116	486583.18, 3855943.1	2.13E-03	6.73E-07	1.96E-07	2.61E-03	8.24E-07	2.40E-07	2.30E-03	7.26E-07	2.11E-07
117	486633.18, 3855943.1	2.05E-03	6.48E-07	1.88E-07	2.51E-03	7.93E-07	2.31E-07	2.21E-03	6.98E-07	2.03E-07
118	486683.18, 3855943.1	2.00E-03	6.31E-07	1.84E-07	2.45E-03	7.73E-07	2.25E-07	2.16E-03	6.80E-07	1.98E-07

119	486733.18, 3855943.1	1.94E-03	6.11E-07	1.78E-07	2.37E-03	7.48E-07	2.18E-07	2.09E-03	6.59E-07	1.92E-07
120	486783.18, 3855943.1	1.89E-03	5.97E-07	1.74E-07	2.32E-03	7.31E-07	2.13E-07	2.04E-03	6.43E-07	1.87E-07
121	486533.18, 3855993.1	2.33E-03	7.37E-07	2.14E-07	2.86E-03	9.02E-07	2.62E-07	2.52E-03	7.94E-07	2.31E-07
122	486583.18, 3855993.1	2.26E-03	7.12E-07	2.07E-07	2.76E-03	8.72E-07	2.54E-07	2.43E-03	7.68E-07	2.23E-07
123	486633.18, 3855993.1	2.18E-03	6.88E-07	2.00E-07	2.67E-03	8.42E-07	2.45E-07	2.35E-03	7.42E-07	2.16E-07
124	486683.18, 3855993.1	2.12E-03	6.68E-07	1.94E-07	2.59E-03	8.18E-07	2.38E-07	2.28E-03	7.21E-07	2.10E-07
125	486733.18, 3855993.1	2.05E-03	6.47E-07	1.88E-07	2.51E-03	7.93E-07	2.31E-07	2.21E-03	6.98E-07	2.03E-07
126	486783.18, 3855993.1	1.99E-03	6.29E-07	1.83E-07	2.44E-03	7.70E-07	2.24E-07	2.15E-03	6.78E-07	1.97E-07
127	486533.18, 3856043.1	2.49E-03	7.87E-07	2.29E-07	3.05E-03	9.64E-07	2.80E-07	2.69E-03	8.49E-07	2.47E-07
128	486583.18, 3856043.1	2.41E-03	7.61E-07	2.21E-07	2.95E-03	9.32E-07	2.71E-07	2.60E-03	8.21E-07	2.39E-07
129	486633.18, 3856043.1	2.32E-03	7.32E-07	2.13E-07	2.84E-03	8.96E-07	2.61E-07	2.50E-03	7.89E-07	2.30E-07
130	486683.18, 3856043.1	2.25E-03	7.11E-07	2.07E-07	2.76E-03	8.70E-07	2.53E-07	2.43E-03	7.66E-07	2.23E-07
131	486733.18, 3856043.1	2.17E-03	6.86E-07	1.99E-07	2.66E-03	8.40E-07	2.44E-07	2.34E-03	7.39E-07	2.15E-07
132	486783.18, 3856043.1	2.12E-03	6.68E-07	1.94E-07	2.59E-03	8.18E-07	2.38E-07	2.28E-03	7.20E-07	2.09E-07
133	486533.18, 3856093.1	2.69E-03	8.50E-07	2.47E-07	3.30E-03	1.04E-06	3.03E-07	2.91E-03	9.17E-07	2.67E-07
134	486583.18, 3856093.1	2.59E-03	8.16E-07	2.37E-07	3.17E-03	1.00E-06	2.91E-07	2.79E-03	8.80E-07	2.56E-07
135	486633.18, 3856093.1	2.48E-03	7.84E-07	2.28E-07	3.04E-03	9.60E-07	2.79E-07	2.68E-03	8.45E-07	2.46E-07
136	486683.18, 3856093.1	2.40E-03	7.58E-07	2.20E-07	2.94E-03	9.28E-07	2.70E-07	2.59E-03	8.17E-07	2.38E-07
137	486733.18, 3856093.1	2.31E-03	7.31E-07	2.12E-07	2.84E-03	8.95E-07	2.60E-07	2.50E-03	7.88E-07	2.29E-07
138	486783.18, 3856093.1	2.24E-03	7.08E-07	2.06E-07	2.75E-03	8.67E-07	2.52E-07	2.42E-03	7.64E-07	2.22E-07
139	486533.18, 3856143.1	2.92E-03	9.22E-07	2.68E-07	3.58E-03	1.13E-06	3.28E-07	3.15E-03	9.94E-07	2.89E-07
140	486583.18, 3856143.1	2.78E-03	8.77E-07	2.55E-07	3.40E-03	1.07E-06	3.13E-07	3.00E-03	9.46E-07	2.75E-07
141	486633.18, 3856143.1	2.67E-03	8.43E-07	2.45E-07	3.27E-03	1.03E-06	3.00E-07	2.88E-03	9.10E-07	2.65E-07
142	486683.18, 3856143.1	2.57E-03	8.10E-07	2.36E-07	3.14E-03	9.93E-07	2.89E-07	2.77E-03	8.74E-07	2.54E-07
143	486733.18, 3856143.1	2.47E-03	7.80E-07	2.27E-07	3.03E-03	9.56E-07	2.78E-07	2.67E-03	8.41E-07	2.45E-07
144	486783.18, 3856143.1	2.40E-03	7.57E-07	2.20E-07	2.94E-03	9.27E-07	2.70E-07	2.59E-03	8.17E-07	2.38E-07
145	486533.18, 3856193.1	3.21E-03	1.01E-06	2.94E-07	3.93E-03	1.24E-06	3.61E-07	3.46E-03	1.09E-06	3.18E-07
146	486583.18, 3856193.1	3.02E-03	9.53E-07	2.77E-07	3.70E-03	1.17E-06	3.40E-07	3.26E-03	1.03E-06	2.99E-07
147	486633.18, 3856193.1	2.89E-03	9.11E-07	2.65E-07	3.54E-03	1.12E-06	3.25E-07	3.11E-03	9.83E-07	2.86E-07
148	486683.18, 3856193.1	2.78E-03	8.76E-07	2.55E-07	3.40E-03	1.07E-06	3.12E-07	2.99E-03	9.45E-07	2.75E-07
149	486733.18, 3856193.1	2.65E-03	8.38E-07	2.44E-07	3.25E-03	1.03E-06	2.98E-07	2.86E-03	9.04E-07	2.63E-07
150	486783.18, 3856193.1	2.56E-03	8.09E-07	2.35E-07	3.14E-03	9.91E-07	2.88E-07	2.77E-03	8.73E-07	2.54E-07
151	486533.18, 3856243.1	3.54E-03	1.12E-06	3.25E-07	4.33E-03	1.37E-06	3.98E-07	3.82E-03	1.20E-06	3.50E-07
152	486583.18, 3856243.1	3.33E-03	1.05E-06	3.05E-07	4.07E-03	1.29E-06	3.74E-07	3.59E-03	1.13E-06	3.29E-07
153	486633.18, 3856243.1	3.14E-03	9.93E-07	2.89E-07	3.85E-03	1.22E-06	3.54E-07	3.39E-03	1.07E-06	3.11E-07
154	486683.18, 3856243.1	2.99E-03	9.45E-07	2.75E-07	3.67E-03	1.16E-06	3.37E-07	3.23E-03	1.02E-06	2.96E-07
155	486733.18, 3856243.1	2.87E-03	9.04E-07	2.63E-07	3.51E-03	1.11E-06	3.22E-07	3.09E-03	9.76E-07	2.84E-07
156	486783.18, 3856243.1	2.74E-03	8.65E-07	2.52E-07	3.36E-03	1.06E-06	3.08E-07	2.96E-03	9.33E-07	2.71E-07
157	486533.18, 3856293.1	3.95E-03	1.25E-06	3.63E-07	4.84E-03	1.53E-06	4.44E-07	4.27E-03	1.35E-06	3.92E-07
158	486583.18, 3856293.1	3.67E-03	1.16E-06	3.37E-07	4.50E-03	1.42E-06	4.13E-07	3.96E-03	1.25E-06	3.64E-07
159	486633.18, 3856293.1	3.44E-03	1.09E-06	3.16E-07	4.22E-03	1.33E-06	3.87E-07	3.72E-03	1.17E-06	3.41E-07
160	486683.18, 3856293.1	3.25E-03	1.03E-06	2.99E-07	3.99E-03	1.26E-06	3.66E-07	3.51E-03	1.11E-06	3.22E-07
161	486733.18, 3856293.1	3.10E-03	9.77E-07	2.84E-07	3.79E-03	1.20E-06	3.48E-07	3.34E-03	1.05E-06	3.07E-07
162	486783.18, 3856293.1	2.95E-03	9.30E-07	2.70E-07	3.61E-03	1.14E-06	3.31E-07	3.18E-03	1.00E-06	2.92E-07
163	486783.18, 3856343.1	3.19E-03	1.01E-06	2.92E-07	3.90E-03	1.23E-06	3.58E-07	3.44E-03	1.08E-06	3.16E-07
164	486833.18, 3856343.1	3.03E-03	9.55E-07	2.78E-07	3.71E-03	1.17E-06	3.40E-07	3.26E-03	1.03E-06	3.00E-07
165	486883.18, 3856343.1	2.88E-03	9.10E-07	2.65E-07	3.53E-03	1.12E-06	3.24E-07	3.11E-03	9.82E-07	2.86E-07
166	486783.18, 3856393.1	3.44E-03	1.09E-06	3.16E-07	4.22E-03	1.33E-06	3.87E-07	3.72E-03	1.17E-06	3.41E-07
167	486833.18, 3856393.1	3.25E-03	1.03E-06	2.99E-07	3.98E-03	1.26E-06	3.66E-07	3.51E-03	1.11E-06	3.22E-07
168	486883.18, 3856393.1	3.08E-03	9.72E-07	2.83E-07	3.77E-03	1.19E-06	3.46E-07	3.32E-03	1.05E-06	3.05E-07
169	487208.74, 3856886.1	4.15E-03	1.31E-06	3.81E-07	5.08E-03	1.60E-06	4.66E-07	4.47E-03	1.41E-06	4.10E-07
170	487258.74, 3856886.1	3.79E-03	1.20E-06	3.48E-07	4.65E-03	1.47E-06	4.26E-07	4.09E-03	1.29E-06	3.75E-07
171	487308.74, 3856886.1	3.49E-03	1.10E-06	3.21E-07	4.28E-03	1.35E-06	3.93E-07	3.77E-03	1.19E-06	3.46E-07
172	487358.74, 3856886.1	3.25E-03	1.02E-06	2.98E-07	3.98E-03	1.25E-06	3.65E-07	3.50E-03	1.10E-06	3.21E-07
173	487208.74, 3856936.1	4.42E-03	1.39E-06	4.05E-07	5.41E-03	1.71E-06	4.97E-07	4.76E-03	1.50E-06	4.37E-07
174	487258.74, 3856936.1	3.97E-03	1.25E-06	3.64E-07	4.86E-03	1.53E-06	4.46E-07	4.27E-03	1.35E-06	3.92E-07
175	487308.74, 3856936.1	3.61E-03	1.14E-06	3.31E-07	4.42E-03	1.40E-06	4.06E-07	3.89E-03	1.23E-06	3.57E-07
176	487358.74, 3856936.1	3.33E-03	1.05E-06	3.06E-07	4.08E-03	1.29E-06	3.74E-07	3.58E-03	1.13E-06	3.29E-07
177	487208.74, 3856986.1	4.44E-03	1.40E-06	4.07E-07	5.44E-03	1.72E-06	4.99E-07	4.78E-03	1.51E-06	4.38E-07
178	487258.74, 3856986.1	3.97E-03	1.25E-06	3.65E-07	4.86E-03	1.54E-06	4.47E-07	4.27E-03	1.35E-06	3.92E-07
179	487308.74, 3856986.1	3.63E-03	1.15E-06	3.33E-07	4.45E-03	1.40E-06	4.08E-07	3.90E-03	1.23E-06	3.58E-07

180	487358.74, 3856986.1	3.35E-03	1.06E-06	3.07E-07	4.10E-03	1.29E-06	3.77E-07	3.60E-03	1.14E-06	3.30E-07
181	487208.74, 3857036.1	4.25E-03	1.34E-06	3.90E-07	5.20E-03	1.64E-06	4.78E-07	4.56E-03	1.44E-06	4.18E-07
182	487258.74, 3857036.1	3.89E-03	1.23E-06	3.58E-07	4.77E-03	1.51E-06	4.38E-07	4.17E-03	1.32E-06	3.83E-07
183	487308.74, 3857036.1	3.60E-03	1.14E-06	3.30E-07	4.40E-03	1.39E-06	4.04E-07	3.85E-03	1.22E-06	3.54E-07
184	487358.74, 3857036.1	3.35E-03	1.06E-06	3.08E-07	4.10E-03	1.30E-06	3.77E-07	3.59E-03	1.13E-06	3.29E-07
185	487427.14, 3856878.2	2.94E-03	9.29E-07	2.70E-07	3.61E-03	1.14E-06	3.31E-07	3.17E-03	1.00E-06	2.91E-07
186	487477.14, 3856878.2	2.77E-03	8.75E-07	2.54E-07	3.39E-03	1.07E-06	3.12E-07	2.98E-03	9.42E-07	2.74E-07
187	487527.14, 3856878.2	2.62E-03	8.28E-07	2.41E-07	3.21E-03	1.01E-06	2.95E-07	2.82E-03	8.90E-07	2.59E-07
188	487427.14, 3856928.2	3.01E-03	9.50E-07	2.76E-07	3.69E-03	1.16E-06	3.39E-07	3.24E-03	1.02E-06	2.97E-07
189	487477.14, 3856928.2	2.83E-03	8.94E-07	2.60E-07	3.47E-03	1.09E-06	3.18E-07	3.04E-03	9.61E-07	2.79E-07
190	487527.14, 3856928.2	2.67E-03	8.44E-07	2.45E-07	3.27E-03	1.03E-06	3.01E-07	2.87E-03	9.07E-07	2.64E-07
191	487577.14, 3856928.2	2.53E-03	8.00E-07	2.33E-07	3.10E-03	9.80E-07	2.85E-07	2.72E-03	8.59E-07	2.50E-07
192	487627.14, 3856928.2	2.42E-03	7.62E-07	2.22E-07	2.96E-03	9.34E-07	2.72E-07	2.59E-03	8.18E-07	2.38E-07
193	487677.14, 3856928.2	2.31E-03	7.28E-07	2.12E-07	2.82E-03	8.91E-07	2.59E-07	2.47E-03	7.81E-07	2.27E-07
194	487727.14, 3856928.2	2.21E-03	6.96E-07	2.02E-07	2.70E-03	8.52E-07	2.48E-07	2.37E-03	7.47E-07	2.17E-07
195	487777.14, 3856928.2	2.12E-03	6.68E-07	1.94E-07	2.59E-03	8.18E-07	2.38E-07	2.27E-03	7.16E-07	2.08E-07
196	487427.14, 3856978.2	3.05E-03	9.62E-07	2.80E-07	3.73E-03	1.18E-06	3.43E-07	3.27E-03	1.03E-06	3.00E-07
197	487477.14, 3856978.2	2.87E-03	9.04E-07	2.63E-07	3.51E-03	1.11E-06	3.22E-07	3.07E-03	9.70E-07	2.82E-07
198	487527.14, 3856978.2	2.71E-03	8.55E-07	2.49E-07	3.32E-03	1.05E-06	3.04E-07	2.90E-03	9.16E-07	2.67E-07
199	487577.14, 3856978.2	2.57E-03	8.11E-07	2.36E-07	3.15E-03	9.94E-07	2.89E-07	2.76E-03	8.70E-07	2.53E-07
200	487627.14, 3856978.2	2.45E-03	7.74E-07	2.25E-07	3.00E-03	9.47E-07	2.76E-07	2.63E-03	8.29E-07	2.41E-07
201	487677.14, 3856978.2	2.34E-03	7.38E-07	2.15E-07	2.86E-03	9.04E-07	2.63E-07	2.51E-03	7.91E-07	2.30E-07
202	487727.14, 3856978.2	2.25E-03	7.09E-07	2.06E-07	2.75E-03	8.68E-07	2.52E-07	2.40E-03	7.59E-07	2.21E-07
203	487777.14, 3856978.2	2.15E-03	6.77E-07	1.97E-07	2.63E-03	8.30E-07	2.41E-07	2.30E-03	7.25E-07	2.11E-07
204	487427.14, 3857028.2	3.07E-03	9.68E-07	2.82E-07	3.76E-03	1.19E-06	3.45E-07	3.28E-03	1.04E-06	3.01E-07
205	487477.14, 3857028.2	2.89E-03	9.13E-07	2.66E-07	3.54E-03	1.12E-06	3.25E-07	3.10E-03	9.77E-07	2.84E-07
206	487527.14, 3857028.2	2.74E-03	8.66E-07	2.52E-07	3.36E-03	1.06E-06	3.08E-07	2.93E-03	9.26E-07	2.69E-07
207	487577.14, 3857028.2	2.61E-03	8.23E-07	2.39E-07	3.19E-03	1.01E-06	2.93E-07	2.79E-03	8.80E-07	2.56E-07
208	487627.14, 3857028.2	2.49E-03	7.86E-07	2.28E-07	3.05E-03	9.62E-07	2.80E-07	2.66E-03	8.40E-07	2.44E-07
209	487677.14, 3857028.2	2.38E-03	7.50E-07	2.18E-07	2.91E-03	9.19E-07	2.67E-07	2.54E-03	8.02E-07	2.33E-07
210	487727.14, 3857028.2	2.27E-03	7.18E-07	2.09E-07	2.78E-03	8.79E-07	2.56E-07	2.43E-03	7.67E-07	2.23E-07
211	487777.14, 3857028.2	2.18E-03	6.89E-07	2.00E-07	2.67E-03	8.43E-07	2.45E-07	2.33E-03	7.36E-07	2.14E-07
212	487427.14, 3857078.2	3.12E-03	9.84E-07	2.86E-07	3.82E-03	1.21E-06	3.51E-07	3.32E-03	1.05E-06	3.05E-07
213	487477.14, 3857078.2	2.95E-03	9.31E-07	2.71E-07	3.61E-03	1.14E-06	3.32E-07	3.14E-03	9.92E-07	2.89E-07
214	487527.14, 3857078.2	2.80E-03	8.83E-07	2.57E-07	3.42E-03	1.08E-06	3.14E-07	2.98E-03	9.41E-07	2.74E-07
215	487577.14, 3857078.2	2.66E-03	8.40E-07	2.44E-07	3.26E-03	1.03E-06	2.99E-07	2.83E-03	8.95E-07	2.60E-07
216	487627.14, 3857078.2	2.54E-03	8.01E-07	2.33E-07	3.11E-03	9.81E-07	2.85E-07	2.71E-03	8.54E-07	2.48E-07
217	487677.14, 3857078.2	2.43E-03	7.65E-07	2.23E-07	2.97E-03	9.37E-07	2.73E-07	2.58E-03	8.16E-07	2.37E-07
218	487727.14, 3857078.2	2.32E-03	7.32E-07	2.13E-07	2.84E-03	8.97E-07	2.61E-07	2.47E-03	7.80E-07	2.27E-07
219	487777.14, 3857078.2	2.23E-03	7.03E-07	2.04E-07	2.73E-03	8.61E-07	2.50E-07	2.37E-03	7.49E-07	2.18E-07
220	487427.14, 3857128.2	3.23E-03	1.02E-06	2.97E-07	3.96E-03	1.25E-06	3.63E-07	3.43E-03	1.08E-06	3.15E-07
221	487477.14, 3857128.2	3.05E-03	9.63E-07	2.80E-07	3.74E-03	1.18E-06	3.43E-07	3.24E-03	1.02E-06	2.97E-07
222	487527.14, 3857128.2	2.89E-03	9.12E-07	2.65E-07	3.54E-03	1.12E-06	3.25E-07	3.07E-03	9.68E-07	2.82E-07
223	487577.14, 3857128.2	2.74E-03	8.66E-07	2.52E-07	3.36E-03	1.06E-06	3.08E-07	2.91E-03	9.19E-07	2.67E-07
224	487627.14, 3857128.2	2.61E-03	8.24E-07	2.40E-07	3.20E-03	1.01E-06	2.93E-07	2.77E-03	8.75E-07	2.54E-07
225	487677.14, 3857128.2	2.49E-03	7.87E-07	2.29E-07	3.05E-03	9.63E-07	2.80E-07	2.65E-03	8.36E-07	2.43E-07
226	487727.14, 3857128.2	2.38E-03	7.51E-07	2.18E-07	2.91E-03	9.19E-07	2.67E-07	2.53E-03	7.98E-07	2.32E-07
227	487777.14, 3857128.2	2.28E-03	7.20E-07	2.09E-07	2.79E-03	8.81E-07	2.56E-07	2.42E-03	7.65E-07	2.23E-07
228	488049.44, 3856539.3	1.51E-03	4.77E-07	1.39E-07	1.85E-03	5.84E-07	1.70E-07	1.63E-03	5.14E-07	1.49E-07
229	488099.44, 3856539.3	1.47E-03	4.65E-07	1.35E-07	1.80E-03	5.69E-07	1.66E-07	1.59E-03	5.01E-07	1.46E-07
230	488149.44, 3856539.3	1.44E-03	4.53E-07	1.32E-07	1.76E-03	5.55E-07	1.61E-07	1.55E-03	4.88E-07	1.42E-07
231	488049.44, 3856589.3	1.55E-03	4.88E-07	1.42E-07	1.89E-03	5.97E-07	1.74E-07	1.66E-03	5.25E-07	1.53E-07
232	488099.44, 3856589.3	1.50E-03	4.75E-07	1.38E-07	1.84E-03	5.82E-07	1.69E-07	1.62E-03	5.11E-07	1.49E-07
233	488149.44, 3856589.3	1.47E-03	4.63E-07	1.35E-07	1.79E-03	5.66E-07	1.65E-07	1.58E-03	4.98E-07	1.45E-07
234	488199.44, 3856589.3	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.52E-07	1.61E-07	1.54E-03	4.85E-07	1.41E-07
235	488249.44, 3856589.3	1.39E-03	4.39E-07	1.28E-07	1.70E-03	5.38E-07	1.56E-07	1.50E-03	4.73E-07	1.37E-07
236	488049.44, 3856639.3	1.58E-03	4.98E-07	1.45E-07	1.93E-03	6.10E-07	1.77E-07	1.70E-03	5.36E-07	1.56E-07
237	488099.44, 3856639.3	1.54E-03	4.85E-07	1.41E-07	1.88E-03	5.93E-07	1.73E-07	1.65E-03	5.21E-07	1.52E-07
238	488149.44, 3856639.3	1.49E-03	4.72E-07	1.37E-07	1.83E-03	5.78E-07	1.68E-07	1.61E-03	5.07E-07	1.48E-07
239	488199.44, 3856639.3	1.45E-03	4.59E-07	1.34E-07	1.78E-03	5.62E-07	1.64E-07	1.56E-03	4.94E-07	1.44E-07
240	488249.44, 3856639.3	1.42E-03	4.47E-07	1.30E-07	1.74E-03	5.48E-07	1.59E-07	1.52E-03	4.81E-07	1.40E-07

241	488299.44, 3856639.3	1.38E-03	4.36E-07	1.27E-07	1.69E-03	5.34E-07	1.55E-07	1.49E-03	4.69E-07	1.36E-07
242	488349.44, 3856639.3	1.35E-03	4.26E-07	1.24E-07	1.65E-03	5.21E-07	1.52E-07	1.45E-03	4.57E-07	1.33E-07
243	488399.44, 3856639.3	1.32E-03	4.15E-07	1.21E-07	1.61E-03	5.08E-07	1.48E-07	1.41E-03	4.46E-07	1.30E-07
244	488099.44, 3856689.3	1.56E-03	4.94E-07	1.44E-07	1.92E-03	6.05E-07	1.76E-07	1.68E-03	5.31E-07	1.54E-07
245	488149.44, 3856689.3	1.52E-03	4.80E-07	1.40E-07	1.86E-03	5.88E-07	1.71E-07	1.64E-03	5.16E-07	1.50E-07
246	488199.44, 3856689.3	1.48E-03	4.67E-07	1.36E-07	1.81E-03	5.72E-07	1.66E-07	1.59E-03	5.02E-07	1.46E-07
247	488249.44, 3856689.3	1.44E-03	4.55E-07	1.32E-07	1.77E-03	5.57E-07	1.62E-07	1.55E-03	4.89E-07	1.42E-07
248	488299.44, 3856689.3	1.40E-03	4.43E-07	1.29E-07	1.72E-03	5.43E-07	1.58E-07	1.51E-03	4.76E-07	1.39E-07
249	488349.44, 3856689.3	1.37E-03	4.32E-07	1.26E-07	1.68E-03	5.29E-07	1.54E-07	1.47E-03	4.64E-07	1.35E-07
250	488399.44, 3856689.3	1.34E-03	4.22E-07	1.23E-07	1.64E-03	5.17E-07	1.50E-07	1.44E-03	4.53E-07	1.32E-07
251	488099.44, 3856739.3	1.59E-03	5.02E-07	1.46E-07	1.95E-03	6.15E-07	1.79E-07	1.71E-03	5.40E-07	1.57E-07
252	488149.44, 3856739.3	1.55E-03	4.88E-07	1.42E-07	1.90E-03	5.98E-07	1.74E-07	1.66E-03	5.25E-07	1.53E-07
253	488199.44, 3856739.3	1.50E-03	4.75E-07	1.38E-07	1.84E-03	5.81E-07	1.69E-07	1.62E-03	5.10E-07	1.48E-07
254	488249.44, 3856739.3	1.46E-03	4.62E-07	1.34E-07	1.79E-03	5.66E-07	1.65E-07	1.57E-03	4.96E-07	1.44E-07
255	488299.44, 3856739.3	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.52E-07	1.61E-07	1.53E-03	4.84E-07	1.41E-07
256	488349.44, 3856739.3	1.39E-03	4.39E-07	1.28E-07	1.70E-03	5.37E-07	1.56E-07	1.49E-03	4.71E-07	1.37E-07
257	488399.44, 3856739.3	1.35E-03	4.27E-07	1.24E-07	1.66E-03	5.23E-07	1.52E-07	1.45E-03	4.59E-07	1.33E-07
258	487999.44, 3856789.3	1.72E-03	5.44E-07	1.58E-07	2.11E-03	6.66E-07	1.94E-07	1.85E-03	5.84E-07	1.70E-07
259	488049.44, 3856789.3	1.67E-03	5.27E-07	1.53E-07	2.04E-03	6.45E-07	1.88E-07	1.79E-03	5.66E-07	1.65E-07
260	488099.44, 3856789.3	1.62E-03	5.11E-07	1.49E-07	1.98E-03	6.25E-07	1.82E-07	1.74E-03	5.48E-07	1.60E-07
261	488149.44, 3856789.3	1.57E-03	4.96E-07	1.44E-07	1.93E-03	6.08E-07	1.77E-07	1.69E-03	5.33E-07	1.55E-07
262	488199.44, 3856789.3	1.53E-03	4.82E-07	1.40E-07	1.87E-03	5.90E-07	1.72E-07	1.64E-03	5.18E-07	1.51E-07
263	488249.44, 3856789.3	1.49E-03	4.69E-07	1.36E-07	1.82E-03	5.74E-07	1.67E-07	1.60E-03	5.03E-07	1.46E-07
264	488299.44, 3856789.3	1.45E-03	4.57E-07	1.33E-07	1.77E-03	5.60E-07	1.63E-07	1.55E-03	4.91E-07	1.43E-07
265	488349.44, 3856789.3	1.41E-03	4.45E-07	1.29E-07	1.72E-03	5.44E-07	1.58E-07	1.51E-03	4.77E-07	1.39E-07
266	488399.44, 3856789.3	1.37E-03	4.33E-07	1.26E-07	1.68E-03	5.30E-07	1.54E-07	1.47E-03	4.64E-07	1.35E-07
267	487949.44, 3856839.3	1.81E-03	5.72E-07	1.66E-07	2.22E-03	7.00E-07	2.04E-07	1.94E-03	6.14E-07	1.79E-07
268	487999.44, 3856839.3	1.75E-03	5.53E-07	1.61E-07	2.15E-03	6.77E-07	1.97E-07	1.88E-03	5.94E-07	1.73E-07
269	488049.44, 3856839.3	1.70E-03	5.35E-07	1.56E-07	2.08E-03	6.56E-07	1.91E-07	1.82E-03	5.75E-07	1.67E-07
270	488099.44, 3856839.3	1.64E-03	5.19E-07	1.51E-07	2.01E-03	6.35E-07	1.85E-07	1.76E-03	5.57E-07	1.62E-07
271	488149.44, 3856839.3	1.59E-03	5.03E-07	1.46E-07	1.95E-03	6.16E-07	1.79E-07	1.71E-03	5.40E-07	1.57E-07
272	488199.44, 3856839.3	1.55E-03	4.89E-07	1.42E-07	1.90E-03	5.99E-07	1.74E-07	1.66E-03	5.24E-07	1.53E-07
273	487949.44, 3856889.3	1.84E-03	5.81E-07	1.69E-07	2.25E-03	7.12E-07	2.07E-07	1.97E-03	6.23E-07	1.81E-07
274	487999.44, 3856889.3	1.78E-03	5.61E-07	1.63E-07	2.18E-03	6.87E-07	2.00E-07	1.91E-03	6.02E-07	1.75E-07
275	488049.44, 3856889.3	1.72E-03	5.44E-07	1.58E-07	2.11E-03	6.66E-07	1.94E-07	1.85E-03	5.83E-07	1.70E-07
276	488099.44, 3856889.3	1.67E-03	5.26E-07	1.53E-07	2.04E-03	6.45E-07	1.87E-07	1.79E-03	5.64E-07	1.64E-07
277	488635.86, 3857895.0	1.15E-03	3.64E-07	1.06E-07	1.41E-03	4.45E-07	1.30E-07	1.24E-03	3.90E-07	1.13E-07
278	489137.64, 3857804.1	9.17E-04	2.89E-07	8.42E-08	1.12E-03	3.54E-07	1.03E-07	9.83E-04	3.10E-07	9.02E-08
279	488617.32, 3857859.4	1.19E-03	3.75E-07	1.09E-07	1.46E-03	4.59E-07	1.34E-07	1.27E-03	4.02E-07	1.17E-07
280	488667.32, 3857859.4	1.15E-03	3.63E-07	1.06E-07	1.41E-03	4.45E-07	1.29E-07	1.23E-03	3.90E-07	1.13E-07
281	488717.32, 3857859.4	1.12E-03	3.52E-07	1.03E-07	1.37E-03	4.32E-07	1.26E-07	1.20E-03	3.78E-07	1.10E-07
282	488767.32, 3857859.4	1.08E-03	3.42E-07	9.94E-08	1.33E-03	4.18E-07	1.22E-07	1.16E-03	3.66E-07	1.07E-07
283	488617.32, 3857909.4	1.16E-03	3.65E-07	1.06E-07	1.42E-03	4.47E-07	1.30E-07	1.24E-03	3.92E-07	1.14E-07
284	488667.32, 3857909.4	1.12E-03	3.54E-07	1.03E-07	1.37E-03	4.33E-07	1.26E-07	1.20E-03	3.79E-07	1.10E-07
285	488717.32, 3857909.4	1.09E-03	3.44E-07	1.00E-07	1.33E-03	4.21E-07	1.22E-07	1.17E-03	3.69E-07	1.07E-07
286	488767.32, 3857909.4	1.06E-03	3.34E-07	9.71E-08	1.29E-03	4.09E-07	1.19E-07	1.13E-03	3.58E-07	1.04E-07
287	488417.32, 3857959.4	1.30E-03	4.09E-07	1.19E-07	1.59E-03	5.01E-07	1.46E-07	1.39E-03	4.40E-07	1.28E-07
288	488467.32, 3857959.4	1.25E-03	3.95E-07	1.15E-07	1.53E-03	4.83E-07	1.40E-07	1.34E-03	4.24E-07	1.23E-07
289	488517.32, 3857959.4	1.21E-03	3.81E-07	1.11E-07	1.48E-03	4.66E-07	1.36E-07	1.30E-03	4.09E-07	1.19E-07
290	488567.32, 3857959.4	1.17E-03	3.68E-07	1.07E-07	1.43E-03	4.51E-07	1.31E-07	1.25E-03	3.95E-07	1.15E-07
291	488617.32, 3857959.4	1.13E-03	3.57E-07	1.04E-07	1.38E-03	4.37E-07	1.27E-07	1.21E-03	3.83E-07	1.11E-07
292	488667.32, 3857959.4	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
293	488717.32, 3857959.4	1.06E-03	3.36E-07	9.77E-08	1.30E-03	4.11E-07	1.20E-07	1.14E-03	3.60E-07	1.05E-07
294	488767.32, 3857959.4	1.03E-03	3.27E-07	9.50E-08	1.27E-03	4.00E-07	1.16E-07	1.11E-03	3.50E-07	1.02E-07
295	488417.32, 3858009.4	1.27E-03	4.01E-07	1.17E-07	1.55E-03	4.91E-07	1.43E-07	1.36E-03	4.30E-07	1.25E-07
296	488467.32, 3858009.4	1.22E-03	3.86E-07	1.12E-07	1.50E-03	4.73E-07	1.38E-07	1.31E-03	4.15E-07	1.21E-07
297	488517.32, 3858009.4	1.18E-03	3.73E-07	1.09E-07	1.45E-03	4.57E-07	1.33E-07	1.27E-03	4.01E-07	1.17E-07
298	488567.32, 3858009.4	1.15E-03	3.61E-07	1.05E-07	1.40E-03	4.42E-07	1.29E-07	1.23E-03	3.88E-07	1.13E-07
299	488617.32, 3858009.4	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.29E-07	1.25E-07	1.19E-03	3.76E-07	1.09E-07
300	488667.32, 3858009.4	1.08E-03	3.40E-07	9.88E-08	1.32E-03	4.16E-07	1.21E-07	1.16E-03	3.65E-07	1.06E-07
301	488717.32, 3858009.4	1.05E-03	3.30E-07	9.60E-08	1.28E-03	4.04E-07	1.18E-07	1.12E-03	3.54E-07	1.03E-07

302	488767.32, 3858009.4	1.02E-03	3.21E-07	9.33E-08	1.24E-03	3.93E-07	1.14E-07	1.09E-03	3.45E-07	1.00E-07
303	488417.32, 3858059.4	1.26E-03	3.97E-07	1.15E-07	1.54E-03	4.85E-07	1.41E-07	1.35E-03	4.26E-07	1.24E-07
304	488467.32, 3858059.4	1.21E-03	3.82E-07	1.11E-07	1.48E-03	4.68E-07	1.36E-07	1.30E-03	4.11E-07	1.20E-07
305	488517.32, 3858059.4	1.17E-03	3.69E-07	1.07E-07	1.43E-03	4.52E-07	1.32E-07	1.26E-03	3.97E-07	1.15E-07
306	488567.32, 3858059.4	1.13E-03	3.58E-07	1.04E-07	1.39E-03	4.38E-07	1.27E-07	1.22E-03	3.84E-07	1.12E-07
307	488617.32, 3858059.4	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.18E-03	3.72E-07	1.08E-07
308	488667.32, 3858059.4	1.06E-03	3.36E-07	9.77E-08	1.30E-03	4.11E-07	1.20E-07	1.14E-03	3.61E-07	1.05E-07
309	488417.32, 3858109.4	1.26E-03	3.97E-07	1.15E-07	1.54E-03	4.86E-07	1.41E-07	1.35E-03	4.27E-07	1.24E-07
310	488467.32, 3858109.4	1.21E-03	3.83E-07	1.11E-07	1.48E-03	4.69E-07	1.36E-07	1.30E-03	4.11E-07	1.20E-07
311	488517.32, 3858109.4	1.17E-03	3.70E-07	1.08E-07	1.43E-03	4.53E-07	1.32E-07	1.26E-03	3.97E-07	1.16E-07
312	488567.32, 3858109.4	1.13E-03	3.57E-07	1.04E-07	1.38E-03	4.37E-07	1.27E-07	1.22E-03	3.84E-07	1.12E-07
313	488617.32, 3858109.4	1.09E-03	3.45E-07	1.00E-07	1.34E-03	4.23E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
314	488667.32, 3858109.4	1.06E-03	3.34E-07	9.71E-08	1.30E-03	4.09E-07	1.19E-07	1.14E-03	3.59E-07	1.04E-07
315	488769.93, 3858449.2	1.18E-03	3.73E-07	1.08E-07	1.45E-03	4.56E-07	1.33E-07	1.27E-03	4.02E-07	1.17E-07
316	488819.93, 3858449.2	1.11E-03	3.51E-07	1.02E-07	1.36E-03	4.30E-07	1.25E-07	1.20E-03	3.79E-07	1.10E-07
317	488819.93, 3858499.2	1.18E-03	3.74E-07	1.09E-07	1.45E-03	4.58E-07	1.33E-07	1.28E-03	4.03E-07	1.17E-07
318	488869.93, 3858499.2	1.11E-03	3.51E-07	1.02E-07	1.36E-03	4.30E-07	1.25E-07	1.20E-03	3.79E-07	1.10E-07
319	488869.93, 3858549.2	1.19E-03	3.75E-07	1.09E-07	1.46E-03	4.60E-07	1.34E-07	1.28E-03	4.05E-07	1.18E-07
320	489438.17, 3859571.4	2.02E-04	6.36E-08	1.85E-08	2.47E-04	7.79E-08	2.27E-08	2.17E-04	6.84E-08	1.99E-08
321	489488.17, 3859571.4	2.01E-04	6.35E-08	1.85E-08	2.46E-04	7.77E-08	2.26E-08	2.16E-04	6.82E-08	1.98E-08
322	489538.17, 3859571.4	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.74E-08	2.25E-08	2.15E-04	6.79E-08	1.98E-08
323	489588.17, 3859571.4	1.99E-04	6.28E-08	1.83E-08	2.44E-04	7.69E-08	2.24E-08	2.14E-04	6.75E-08	1.96E-08
324	489438.17, 3859621.4	1.93E-04	6.08E-08	1.77E-08	2.36E-04	7.45E-08	2.17E-08	2.07E-04	6.54E-08	1.90E-08
325	489488.17, 3859621.4	1.93E-04	6.08E-08	1.77E-08	2.36E-04	7.44E-08	2.17E-08	2.07E-04	6.53E-08	1.90E-08
326	489538.17, 3859621.4	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.52E-08	1.90E-08
327	489588.17, 3859621.4	1.92E-04	6.05E-08	1.76E-08	2.35E-04	7.41E-08	2.15E-08	2.06E-04	6.50E-08	1.89E-08
328	489238.17, 3859671.4	1.83E-04	5.77E-08	1.68E-08	2.24E-04	7.06E-08	2.05E-08	1.96E-04	6.20E-08	1.80E-08
329	489288.17, 3859671.4	1.83E-04	5.78E-08	1.68E-08	2.24E-04	7.08E-08	2.06E-08	1.97E-04	6.21E-08	1.81E-08
330	489338.17, 3859671.4	1.84E-04	5.80E-08	1.69E-08	2.25E-04	7.11E-08	2.07E-08	1.98E-04	6.24E-08	1.81E-08
331	489388.17, 3859671.4	1.85E-04	5.83E-08	1.69E-08	2.26E-04	7.14E-08	2.08E-08	1.98E-04	6.26E-08	1.82E-08
332	489438.17, 3859671.4	1.85E-04	5.83E-08	1.70E-08	2.26E-04	7.14E-08	2.08E-08	1.98E-04	6.26E-08	1.82E-08
333	489488.17, 3859671.4	1.85E-04	5.84E-08	1.70E-08	2.27E-04	7.15E-08	2.08E-08	1.99E-04	6.27E-08	1.82E-08
334	489538.17, 3859671.4	1.85E-04	5.84E-08	1.70E-08	2.26E-04	7.15E-08	2.08E-08	1.99E-04	6.27E-08	1.82E-08
335	489588.17, 3859671.4	1.85E-04	5.83E-08	1.70E-08	2.26E-04	7.14E-08	2.08E-08	1.98E-04	6.26E-08	1.82E-08
336	489238.17, 3859721.4	1.75E-04	5.52E-08	1.61E-08	2.14E-04	6.76E-08	1.97E-08	1.88E-04	5.93E-08	1.73E-08
337	489288.17, 3859721.4	1.76E-04	5.55E-08	1.61E-08	2.15E-04	6.80E-08	1.98E-08	1.89E-04	5.97E-08	1.74E-08
338	489338.17, 3859721.4	1.77E-04	5.57E-08	1.62E-08	2.16E-04	6.82E-08	1.98E-08	1.90E-04	5.99E-08	1.74E-08
339	489388.17, 3859721.4	1.77E-04	5.59E-08	1.63E-08	2.17E-04	6.84E-08	1.99E-08	1.90E-04	6.00E-08	1.75E-08
340	489438.17, 3859721.4	1.77E-04	5.59E-08	1.63E-08	2.17E-04	6.85E-08	1.99E-08	1.90E-04	6.01E-08	1.75E-08
341	489488.17, 3859721.4	1.78E-04	5.61E-08	1.63E-08	2.18E-04	6.87E-08	2.00E-08	1.91E-04	6.03E-08	1.75E-08
342	489538.17, 3859721.4	1.78E-04	5.62E-08	1.63E-08	2.18E-04	6.88E-08	2.00E-08	1.91E-04	6.03E-08	1.76E-08
343	489588.17, 3859721.4	1.78E-04	5.62E-08	1.63E-08	2.18E-04	6.88E-08	2.00E-08	1.91E-04	6.03E-08	1.76E-08
344	489238.17, 3859771.4	1.68E-04	5.30E-08	1.54E-08	2.06E-04	6.50E-08	1.89E-08	1.81E-04	5.70E-08	1.66E-08
345	489288.17, 3859771.4	1.69E-04	5.33E-08	1.55E-08	2.07E-04	6.53E-08	1.90E-08	1.81E-04	5.73E-08	1.67E-08
346	489338.17, 3859771.4	1.69E-04	5.35E-08	1.56E-08	2.07E-04	6.55E-08	1.90E-08	1.82E-04	5.74E-08	1.67E-08
347	489388.17, 3859771.4	1.70E-04	5.36E-08	1.56E-08	2.08E-04	6.57E-08	1.91E-08	1.83E-04	5.76E-08	1.68E-08
348	489438.17, 3859771.4	1.70E-04	5.37E-08	1.56E-08	2.09E-04	6.58E-08	1.91E-08	1.83E-04	5.77E-08	1.68E-08
349	489488.17, 3859771.4	1.71E-04	5.40E-08	1.57E-08	2.10E-04	6.61E-08	1.92E-08	1.84E-04	5.80E-08	1.69E-08
350	489538.17, 3859771.4	1.71E-04	5.41E-08	1.57E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.82E-08	1.69E-08
351	489588.17, 3859771.4	1.72E-04	5.41E-08	1.57E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.82E-08	1.69E-08
352	489238.17, 3859821.4	1.62E-04	5.10E-08	1.48E-08	1.98E-04	6.24E-08	1.82E-08	1.74E-04	5.48E-08	1.59E-08
353	489288.17, 3859821.4	1.62E-04	5.13E-08	1.49E-08	1.99E-04	6.28E-08	1.83E-08	1.74E-04	5.51E-08	1.60E-08
354	489338.17, 3859821.4	1.63E-04	5.14E-08	1.50E-08	2.00E-04	6.30E-08	1.83E-08	1.75E-04	5.52E-08	1.61E-08
355	489388.17, 3859821.4	1.63E-04	5.16E-08	1.50E-08	2.00E-04	6.32E-08	1.84E-08	1.76E-04	5.54E-08	1.61E-08
356	489438.17, 3859821.4	1.64E-04	5.18E-08	1.51E-08	2.01E-04	6.35E-08	1.85E-08	1.76E-04	5.57E-08	1.62E-08
357	489488.17, 3859821.4	1.65E-04	5.20E-08	1.51E-08	2.02E-04	6.37E-08	1.85E-08	1.77E-04	5.59E-08	1.63E-08
358	489538.17, 3859821.4	1.65E-04	5.22E-08	1.52E-08	2.03E-04	6.39E-08	1.86E-08	1.78E-04	5.61E-08	1.63E-08
359	489588.17, 3859821.4	1.66E-04	5.22E-08	1.52E-08	2.03E-04	6.40E-08	1.86E-08	1.78E-04	5.61E-08	1.63E-08
360	489238.17, 3859871.4	1.56E-04	4.91E-08	1.43E-08	1.91E-04	6.02E-08	1.75E-08	1.67E-04	5.28E-08	1.54E-08
361	489288.17, 3859871.4	1.56E-04	4.93E-08	1.43E-08	1.91E-04	6.04E-08	1.76E-08	1.68E-04	5.30E-08	1.54E-08
362	489338.17, 3859871.4	1.57E-04	4.95E-08	1.44E-08	1.92E-04	6.06E-08	1.76E-08	1.69E-04	5.32E-08	1.55E-08

363	489388.17, 3859871.4	1.58E-04	4.98E-08	1.45E-08	1.93E-04	6.10E-08	1.77E-08	1.69E-04	5.35E-08	1.56E-08
364	489438.17, 3859871.4	1.59E-04	5.01E-08	1.46E-08	1.94E-04	6.13E-08	1.78E-08	1.70E-04	5.38E-08	1.56E-08
365	489488.17, 3859871.4	1.60E-04	5.04E-08	1.47E-08	1.95E-04	6.17E-08	1.79E-08	1.71E-04	5.41E-08	1.57E-08
366	489538.17, 3859871.4	1.60E-04	5.04E-08	1.47E-08	1.96E-04	6.18E-08	1.80E-08	1.72E-04	5.42E-08	1.58E-08
367	489588.17, 3859871.4	1.60E-04	5.05E-08	1.47E-08	1.96E-04	6.19E-08	1.80E-08	1.72E-04	5.43E-08	1.58E-08
368	489238.17, 3859921.4	1.50E-04	4.75E-08	1.38E-08	1.84E-04	5.81E-08	1.69E-08	1.62E-04	5.10E-08	1.48E-08
369	489288.17, 3859921.4	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
370	489338.17, 3859921.4	1.52E-04	4.79E-08	1.39E-08	1.86E-04	5.87E-08	1.71E-08	1.63E-04	5.14E-08	1.50E-08
371	489388.17, 3859921.4	1.53E-04	4.82E-08	1.40E-08	1.87E-04	5.90E-08	1.72E-08	1.64E-04	5.17E-08	1.51E-08
372	489438.17, 3859921.4	1.54E-04	4.85E-08	1.41E-08	1.88E-04	5.94E-08	1.73E-08	1.65E-04	5.21E-08	1.52E-08
373	489488.17, 3859921.4	1.54E-04	4.87E-08	1.42E-08	1.89E-04	5.96E-08	1.73E-08	1.66E-04	5.23E-08	1.52E-08
374	489538.17, 3859921.4	1.55E-04	4.88E-08	1.42E-08	1.89E-04	5.98E-08	1.74E-08	1.66E-04	5.24E-08	1.52E-08
375	489588.17, 3859921.4	1.55E-04	4.89E-08	1.42E-08	1.90E-04	5.99E-08	1.74E-08	1.67E-04	5.26E-08	1.53E-08
376	489238.17, 3859971.4	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.94E-08	1.44E-08
377	489288.17, 3859971.4	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.65E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
378	489338.17, 3859971.4	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
379	489388.17, 3859971.4	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.71E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
380	489438.17, 3859971.4	1.49E-04	4.70E-08	1.37E-08	1.82E-04	5.76E-08	1.67E-08	1.60E-04	5.05E-08	1.47E-08
381	489488.17, 3859971.4	1.50E-04	4.72E-08	1.37E-08	1.83E-04	5.78E-08	1.68E-08	1.61E-04	5.07E-08	1.48E-08
382	489538.17, 3859971.4	1.50E-04	4.74E-08	1.38E-08	1.84E-04	5.80E-08	1.69E-08	1.61E-04	5.09E-08	1.48E-08
383	489588.17, 3859971.4	1.50E-04	4.75E-08	1.38E-08	1.84E-04	5.81E-08	1.69E-08	1.62E-04	5.10E-08	1.48E-08
384	483577.7, 3854071	7.35E-04	2.32E-07	6.75E-08	9.01E-04	2.84E-07	8.27E-08	7.92E-04	2.50E-07	7.27E-08
385	483627.7, 3854071	7.06E-04	2.23E-07	6.48E-08	8.64E-04	2.73E-07	7.94E-08	7.60E-04	2.40E-07	6.98E-08
386	483677.7, 3854071	6.78E-04	2.14E-07	6.22E-08	8.31E-04	2.62E-07	7.62E-08	7.30E-04	2.30E-07	6.70E-08
387	483727.7, 3854071	6.53E-04	2.06E-07	5.99E-08	8.00E-04	2.52E-07	7.34E-08	7.03E-04	2.22E-07	6.46E-08
388	483777.7, 3854071	6.25E-04	1.97E-07	5.74E-08	7.66E-04	2.42E-07	7.03E-08	6.73E-04	2.12E-07	6.18E-08
389	483577.7, 3854121	7.77E-04	2.45E-07	7.13E-08	9.52E-04	3.00E-07	8.74E-08	8.37E-04	2.64E-07	7.69E-08
390	483627.7, 3854121	7.43E-04	2.34E-07	6.82E-08	9.10E-04	2.87E-07	8.36E-08	8.00E-04	2.53E-07	7.35E-08
391	483677.7, 3854121	7.10E-04	2.24E-07	6.51E-08	8.70E-04	2.74E-07	7.98E-08	7.64E-04	2.41E-07	7.02E-08
392	483727.7, 3854121	6.77E-04	2.14E-07	6.22E-08	8.30E-04	2.62E-07	7.62E-08	7.29E-04	2.30E-07	6.69E-08
393	483777.7, 3854121	6.52E-04	2.06E-07	5.99E-08	7.99E-04	2.52E-07	7.34E-08	7.02E-04	2.22E-07	6.45E-08
394	483577.7, 3854171	8.16E-04	2.58E-07	7.49E-08	1.00E-03	3.16E-07	9.18E-08	8.79E-04	2.77E-07	8.07E-08
395	483627.7, 3854171	7.74E-04	2.44E-07	7.11E-08	9.49E-04	2.99E-07	8.71E-08	8.34E-04	2.63E-07	7.66E-08
396	483677.7, 3854171	7.40E-04	2.33E-07	6.79E-08	9.06E-04	2.86E-07	8.32E-08	7.97E-04	2.51E-07	7.31E-08
397	483727.7, 3854171	7.11E-04	2.24E-07	6.52E-08	8.71E-04	2.75E-07	7.99E-08	7.65E-04	2.41E-07	7.02E-08
398	483777.7, 3854171	6.83E-04	2.16E-07	6.27E-08	8.37E-04	2.64E-07	7.68E-08	7.35E-04	2.32E-07	6.75E-08
399	483827.7, 3854171	6.49E-04	2.05E-07	5.96E-08	7.95E-04	2.51E-07	7.30E-08	6.99E-04	2.21E-07	6.41E-08
400	483877.7, 3854171	6.25E-04	1.97E-07	5.74E-08	7.65E-04	2.42E-07	7.03E-08	6.73E-04	2.12E-07	6.17E-08
401	483727.7, 3854221	7.52E-04	2.37E-07	6.90E-08	9.21E-04	2.91E-07	8.46E-08	8.09E-04	2.55E-07	7.43E-08
402	483777.7, 3854221	7.21E-04	2.27E-07	6.62E-08	8.83E-04	2.79E-07	8.11E-08	7.76E-04	2.45E-07	7.12E-08
403	483827.7, 3854221	7.04E-04	2.22E-07	6.46E-08	8.63E-04	2.72E-07	7.92E-08	7.58E-04	2.39E-07	6.96E-08
404	483877.7, 3854221	6.72E-04	2.12E-07	6.17E-08	8.23E-04	2.60E-07	7.56E-08	7.23E-04	2.28E-07	6.64E-08
405	489150.19, 3858726.4	9.97E-04	3.15E-07	9.15E-08	1.22E-03	3.85E-07	1.12E-07	1.07E-03	3.39E-07	9.87E-08
406	489200.19, 3858726.4	9.25E-04	2.92E-07	8.49E-08	1.13E-03	3.58E-07	1.04E-07	9.97E-04	3.15E-07	9.15E-08
407	489150.19, 3858776.4	1.01E-03	3.20E-07	9.31E-08	1.24E-03	3.92E-07	1.14E-07	1.09E-03	3.45E-07	1.00E-07
408	489200.19, 3858776.4	9.25E-04	2.92E-07	8.49E-08	1.13E-03	3.58E-07	1.04E-07	9.97E-04	3.15E-07	9.15E-08
409	488919.6, 3856400.76	9.86E-04	3.11E-07	9.06E-08	1.21E-03	3.81E-07	1.11E-07	1.06E-03	3.35E-07	9.74E-08
410	488919.6, 3856450.76	1.00E-03	3.16E-07	9.19E-08	1.23E-03	3.87E-07	1.13E-07	1.08E-03	3.40E-07	9.88E-08
411	488969.6, 3856450.76	9.83E-04	3.10E-07	9.02E-08	1.20E-03	3.80E-07	1.10E-07	1.06E-03	3.33E-07	9.70E-08
412	488919.6, 3856500.76	1.01E-03	3.20E-07	9.32E-08	1.24E-03	3.92E-07	1.14E-07	1.09E-03	3.44E-07	1.00E-07
413	488969.6, 3856500.76	9.96E-04	3.14E-07	9.14E-08	1.22E-03	3.85E-07	1.12E-07	1.07E-03	3.38E-07	9.82E-08
414	488919.6, 3856550.76	1.03E-03	3.24E-07	9.44E-08	1.26E-03	3.97E-07	1.16E-07	1.10E-03	3.49E-07	1.01E-07
415	488969.6, 3856550.76	1.01E-03	3.18E-07	9.26E-08	1.24E-03	3.90E-07	1.13E-07	1.08E-03	3.42E-07	9.95E-08
416	488819.6, 3856600.76	1.08E-03	3.42E-07	9.94E-08	1.33E-03	4.19E-07	1.22E-07	1.16E-03	3.67E-07	1.07E-07
417	488869.6, 3856600.76	1.06E-03	3.35E-07	9.75E-08	1.30E-03	4.10E-07	1.19E-07	1.14E-03	3.60E-07	1.05E-07
418	488919.6, 3856600.76	1.04E-03	3.28E-07	9.55E-08	1.27E-03	4.02E-07	1.17E-07	1.12E-03	3.53E-07	1.03E-07
419	488819.6, 3856650.76	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
420	488869.6, 3856650.76	1.07E-03	3.39E-07	9.86E-08	1.32E-03	4.15E-07	1.21E-07	1.15E-03	3.64E-07	1.06E-07
421	488819.6, 3856700.76	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.28E-07	1.25E-07	1.19E-03	3.75E-07	1.09E-07
422	488869.6, 3856700.76	1.09E-03	3.43E-07	9.97E-08	1.33E-03	4.20E-07	1.22E-07	1.17E-03	3.68E-07	1.07E-07
423	488819.6, 3856750.76	1.12E-03	3.54E-07	1.03E-07	1.37E-03	4.33E-07	1.26E-07	1.20E-03	3.79E-07	1.10E-07

424	488869.6, 3856750.76	1.10E-03	3.46E-07	1.01E-07	1.34E-03	4.24E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
425	488819.6, 3857050.76	1.18E-03	3.72E-07	1.08E-07	1.44E-03	4.55E-07	1.32E-07	1.26E-03	3.97E-07	1.16E-07
426	488869.6, 3857050.76	1.15E-03	3.63E-07	1.06E-07	1.41E-03	4.44E-07	1.29E-07	1.23E-03	3.88E-07	1.13E-07
427	488919.6, 3857050.76	1.12E-03	3.55E-07	1.03E-07	1.38E-03	4.34E-07	1.26E-07	1.20E-03	3.79E-07	1.10E-07
428	488819.6, 3857100.76	1.18E-03	3.74E-07	1.09E-07	1.45E-03	4.58E-07	1.33E-07	1.27E-03	3.99E-07	1.16E-07
429	488869.6, 3857100.76	1.16E-03	3.65E-07	1.06E-07	1.42E-03	4.47E-07	1.30E-07	1.24E-03	3.90E-07	1.13E-07
430	488919.6, 3857100.76	1.13E-03	3.56E-07	1.04E-07	1.38E-03	4.37E-07	1.27E-07	1.21E-03	3.81E-07	1.11E-07
431	488819.6, 3857150.76	1.19E-03	3.76E-07	1.09E-07	1.46E-03	4.60E-07	1.34E-07	1.27E-03	4.01E-07	1.17E-07
432	488869.6, 3857150.76	1.16E-03	3.67E-07	1.07E-07	1.42E-03	4.49E-07	1.31E-07	1.24E-03	3.91E-07	1.14E-07
433	488919.6, 3857150.76	1.13E-03	3.58E-07	1.04E-07	1.39E-03	4.38E-07	1.27E-07	1.21E-03	3.82E-07	1.11E-07
434	488969.6, 3857150.76	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.28E-07	1.25E-07	1.18E-03	3.74E-07	1.09E-07
435	488819.6, 3857200.76	1.19E-03	3.77E-07	1.10E-07	1.46E-03	4.62E-07	1.34E-07	1.28E-03	4.03E-07	1.17E-07
436	488869.6, 3857200.76	1.16E-03	3.68E-07	1.07E-07	1.43E-03	4.50E-07	1.31E-07	1.24E-03	3.93E-07	1.14E-07
437	488919.6, 3857200.76	1.14E-03	3.59E-07	1.04E-07	1.39E-03	4.39E-07	1.28E-07	1.21E-03	3.83E-07	1.11E-07
438	488969.6, 3857200.76	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.29E-07	1.25E-07	1.19E-03	3.74E-07	1.09E-07
439	488819.6, 3857250.76	1.20E-03	3.78E-07	1.10E-07	1.47E-03	4.63E-07	1.35E-07	1.28E-03	4.04E-07	1.17E-07
440	488869.6, 3857250.76	1.17E-03	3.69E-07	1.07E-07	1.43E-03	4.51E-07	1.31E-07	1.25E-03	3.93E-07	1.14E-07
441	488919.6, 3857250.76	1.14E-03	3.59E-07	1.05E-07	1.39E-03	4.40E-07	1.28E-07	1.22E-03	3.84E-07	1.12E-07
442	488969.6, 3857250.76	1.11E-03	3.51E-07	1.02E-07	1.36E-03	4.30E-07	1.25E-07	1.19E-03	3.75E-07	1.09E-07
443	488819.6, 3857300.76	1.20E-03	3.78E-07	1.10E-07	1.47E-03	4.63E-07	1.35E-07	1.28E-03	4.04E-07	1.18E-07
444	488869.6, 3857300.76	1.17E-03	3.69E-07	1.07E-07	1.43E-03	4.51E-07	1.31E-07	1.25E-03	3.94E-07	1.14E-07
445	488919.6, 3857300.76	1.14E-03	3.59E-07	1.05E-07	1.39E-03	4.40E-07	1.28E-07	1.22E-03	3.84E-07	1.12E-07
446	488819.6, 3857450.76	1.19E-03	3.76E-07	1.09E-07	1.46E-03	4.61E-07	1.34E-07	1.27E-03	4.02E-07	1.17E-07
447	488869.6, 3857450.76	1.16E-03	3.66E-07	1.06E-07	1.42E-03	4.48E-07	1.30E-07	1.24E-03	3.91E-07	1.14E-07
448	488919.6, 3857450.76	1.13E-03	3.56E-07	1.03E-07	1.38E-03	4.36E-07	1.27E-07	1.20E-03	3.80E-07	1.11E-07
449	488819.6, 3857500.76	1.19E-03	3.74E-07	1.09E-07	1.45E-03	4.58E-07	1.33E-07	1.27E-03	4.00E-07	1.16E-07
450	488869.6, 3857500.76	1.15E-03	3.63E-07	1.06E-07	1.41E-03	4.45E-07	1.29E-07	1.23E-03	3.88E-07	1.13E-07
451	488919.6, 3857500.76	1.12E-03	3.53E-07	1.03E-07	1.37E-03	4.33E-07	1.26E-07	1.20E-03	3.78E-07	1.10E-07
452	488819.6, 3857550.76	1.18E-03	3.71E-07	1.08E-07	1.44E-03	4.55E-07	1.32E-07	1.26E-03	3.97E-07	1.15E-07
453	488869.6, 3857550.76	1.14E-03	3.60E-07	1.05E-07	1.40E-03	4.41E-07	1.28E-07	1.22E-03	3.85E-07	1.12E-07
454	488919.6, 3857550.76	1.11E-03	3.50E-07	1.02E-07	1.36E-03	4.29E-07	1.25E-07	1.19E-03	3.74E-07	1.09E-07
455	489663.71, 3860900.0	8.61E-05	2.72E-08	7.91E-09	1.05E-04	3.33E-08	9.68E-09	9.25E-05	2.92E-08	8.49E-09
456	489813.71, 3860900.0	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.30E-05	2.94E-08	8.54E-09
457	489863.71, 3860900.0	8.67E-05	2.74E-08	7.96E-09	1.06E-04	3.35E-08	9.75E-09	9.31E-05	2.94E-08	8.55E-09
458	489913.71, 3860900.0	8.70E-05	2.75E-08	7.99E-09	1.07E-04	3.36E-08	9.78E-09	9.34E-05	2.95E-08	8.58E-09
459	489963.71, 3860900.0	8.71E-05	2.75E-08	7.99E-09	1.07E-04	3.37E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
460	490013.71, 3860900.0	8.74E-05	2.76E-08	8.02E-09	1.07E-04	3.38E-08	9.83E-09	9.39E-05	2.96E-08	8.62E-09
461	490063.71, 3860900.0	8.76E-05	2.76E-08	8.04E-09	1.07E-04	3.39E-08	9.85E-09	9.41E-05	2.97E-08	8.64E-09
462	489663.71, 3860950.0	8.42E-05	2.66E-08	7.73E-09	1.03E-04	3.26E-08	9.47E-09	9.05E-05	2.86E-08	8.31E-09
463	489813.71, 3860950.0	8.47E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.10E-05	2.87E-08	8.35E-09
464	489863.71, 3860950.0	8.47E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.10E-05	2.87E-08	8.35E-09
465	489913.71, 3860950.0	8.49E-05	2.68E-08	7.80E-09	1.04E-04	3.28E-08	9.55E-09	9.12E-05	2.88E-08	8.38E-09
466	489963.71, 3860950.0	8.50E-05	2.68E-08	7.81E-09	1.04E-04	3.29E-08	9.56E-09	9.13E-05	2.88E-08	8.39E-09
467	490013.71, 3860950.0	8.53E-05	2.69E-08	7.83E-09	1.04E-04	3.30E-08	9.59E-09	9.16E-05	2.89E-08	8.41E-09
468	490063.71, 3860950.0	8.55E-05	2.70E-08	7.85E-09	1.05E-04	3.30E-08	9.61E-09	9.18E-05	2.90E-08	8.43E-09
469	489513.71, 3861000.0	8.23E-05	2.60E-08	7.56E-09	1.01E-04	3.18E-08	9.25E-09	8.84E-05	2.79E-08	8.12E-09
470	489563.71, 3861000.0	8.23E-05	2.60E-08	7.56E-09	1.01E-04	3.18E-08	9.26E-09	8.84E-05	2.79E-08	8.12E-09
471	489613.71, 3861000.0	8.24E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.85E-05	2.79E-08	8.13E-09
472	489663.71, 3861000.0	8.25E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.28E-09	8.86E-05	2.80E-08	8.13E-09
473	489713.71, 3861000.0	8.25E-05	2.60E-08	7.58E-09	1.01E-04	3.19E-08	9.28E-09	8.86E-05	2.80E-08	8.14E-09
474	489763.71, 3861000.0	8.26E-05	2.61E-08	7.58E-09	1.01E-04	3.19E-08	9.29E-09	8.87E-05	2.80E-08	8.15E-09
475	489813.71, 3861000.0	8.29E-05	2.62E-08	7.61E-09	1.02E-04	3.20E-08	9.32E-09	8.90E-05	2.81E-08	8.17E-09
476	489863.71, 3861000.0	8.29E-05	2.62E-08	7.61E-09	1.02E-04	3.20E-08	9.32E-09	8.90E-05	2.81E-08	8.17E-09
477	489913.71, 3861000.0	8.31E-05	2.62E-08	7.63E-09	1.02E-04	3.21E-08	9.34E-09	8.92E-05	2.82E-08	8.19E-09
478	489963.71, 3861000.0	8.31E-05	2.62E-08	7.63E-09	1.02E-04	3.21E-08	9.35E-09	8.93E-05	2.82E-08	8.20E-09
479	490013.71, 3861000.0	8.33E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.95E-05	2.82E-08	8.22E-09
480	490063.71, 3861000.0	8.35E-05	2.64E-08	7.67E-09	1.02E-04	3.23E-08	9.39E-09	8.97E-05	2.83E-08	8.23E-09
481	489513.71, 3861050.0	8.07E-05	2.55E-08	7.41E-09	9.88E-05	3.12E-08	9.07E-09	8.67E-05	2.74E-08	7.96E-09
482	489563.71, 3861050.0	8.07E-05	2.55E-08	7.41E-09	9.88E-05	3.12E-08	9.07E-09	8.67E-05	2.74E-08	7.96E-09
483	489613.71, 3861050.0	8.09E-05	2.55E-08	7.43E-09	9.91E-05	3.13E-08	9.09E-09	8.69E-05	2.74E-08	7.98E-09
484	489663.71, 3861050.0	8.08E-05	2.55E-08	7.42E-09	9.90E-05	3.12E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09

485	489713.71, 3861050.0	8.08E-05	2.55E-08	7.42E-09	9.89E-05	3.12E-08	9.08E-09	8.68E-05	2.74E-08	7.97E-09
486	489763.71, 3861050.0	8.09E-05	2.55E-08	7.43E-09	9.91E-05	3.13E-08	9.10E-09	8.69E-05	2.74E-08	7.98E-09
487	489813.71, 3861050.0	8.10E-05	2.56E-08	7.44E-09	9.93E-05	3.13E-08	9.11E-09	8.70E-05	2.75E-08	7.99E-09
488	489863.71, 3861050.0	8.11E-05	2.56E-08	7.45E-09	9.93E-05	3.14E-08	9.12E-09	8.71E-05	2.75E-08	8.00E-09
489	489913.71, 3861050.0	8.12E-05	2.56E-08	7.46E-09	9.95E-05	3.14E-08	9.13E-09	8.72E-05	2.75E-08	8.01E-09
490	489963.71, 3861050.0	8.13E-05	2.57E-08	7.47E-09	9.96E-05	3.14E-08	9.14E-09	8.73E-05	2.76E-08	8.02E-09
491	490013.71, 3861050.0	8.16E-05	2.57E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.76E-08	8.04E-09
492	490063.71, 3861050.0	8.17E-05	2.58E-08	7.50E-09	1.00E-04	3.16E-08	9.18E-09	8.77E-05	2.77E-08	8.05E-09
493	489513.71, 3861100.0	7.93E-05	2.50E-08	7.28E-09	9.71E-05	3.07E-08	8.92E-09	8.52E-05	2.69E-08	7.82E-09
494	489563.71, 3861100.0	7.91E-05	2.50E-08	7.26E-09	9.69E-05	3.06E-08	8.89E-09	8.49E-05	2.68E-08	7.80E-09
495	489613.71, 3861100.0	7.89E-05	2.49E-08	7.24E-09	9.66E-05	3.05E-08	8.87E-09	8.47E-05	2.67E-08	7.78E-09
496	489663.71, 3861100.0	7.90E-05	2.49E-08	7.25E-09	9.67E-05	3.05E-08	8.88E-09	8.48E-05	2.68E-08	7.79E-09
497	489713.71, 3861100.0	7.90E-05	2.49E-08	7.26E-09	9.68E-05	3.06E-08	8.89E-09	8.49E-05	2.68E-08	7.79E-09
498	489763.71, 3861100.0	7.91E-05	2.50E-08	7.26E-09	9.69E-05	3.06E-08	8.90E-09	8.50E-05	2.68E-08	7.80E-09
499	489813.71, 3861100.0	7.93E-05	2.50E-08	7.28E-09	9.71E-05	3.06E-08	8.91E-09	8.51E-05	2.69E-08	7.82E-09
500	489863.71, 3861100.0	7.95E-05	2.51E-08	7.30E-09	9.74E-05	3.07E-08	8.94E-09	8.54E-05	2.69E-08	7.84E-09
501	489913.71, 3861100.0	7.95E-05	2.51E-08	7.30E-09	9.74E-05	3.07E-08	8.94E-09	8.54E-05	2.69E-08	7.84E-09
502	489963.71, 3861100.0	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
503	490013.71, 3861100.0	7.97E-05	2.51E-08	7.31E-09	9.76E-05	3.08E-08	8.96E-09	8.56E-05	2.70E-08	7.85E-09
504	490063.71, 3861100.0	7.98E-05	2.52E-08	7.33E-09	9.77E-05	3.08E-08	8.97E-09	8.57E-05	2.70E-08	7.87E-09
505	489713.71, 3861150.0	7.74E-05	2.44E-08	7.10E-09	9.48E-05	2.99E-08	8.70E-09	8.31E-05	2.62E-08	7.63E-09
506	489763.71, 3861150.0	7.75E-05	2.45E-08	7.12E-09	9.49E-05	3.00E-08	8.71E-09	8.32E-05	2.63E-08	7.64E-09
507	489813.71, 3861150.0	7.76E-05	2.45E-08	7.13E-09	9.51E-05	3.00E-08	8.73E-09	8.34E-05	2.63E-08	7.66E-09
508	489863.71, 3861150.0	7.77E-05	2.45E-08	7.14E-09	9.52E-05	3.00E-08	8.74E-09	8.35E-05	2.63E-08	7.66E-09
509	489913.71, 3861150.0	7.78E-05	2.46E-08	7.14E-09	9.53E-05	3.01E-08	8.75E-09	8.36E-05	2.64E-08	7.67E-09
510	489963.71, 3861150.0	7.78E-05	2.46E-08	7.15E-09	9.53E-05	3.01E-08	8.75E-09	8.36E-05	2.64E-08	7.68E-09
511	490013.71, 3861150.0	7.79E-05	2.46E-08	7.15E-09	9.54E-05	3.01E-08	8.76E-09	8.37E-05	2.64E-08	7.68E-09
512	490063.71, 3861150.0	7.81E-05	2.46E-08	7.17E-09	9.56E-05	3.02E-08	8.78E-09	8.38E-05	2.65E-08	7.70E-09
513	489613.71, 3861200.0	7.56E-05	2.39E-08	6.94E-09	9.26E-05	2.92E-08	8.50E-09	8.12E-05	2.56E-08	7.46E-09
514	489663.71, 3861200.0	7.57E-05	2.39E-08	6.95E-09	9.27E-05	2.93E-08	8.51E-09	8.13E-05	2.57E-08	7.47E-09
515	489713.71, 3861200.0	7.58E-05	2.39E-08	6.96E-09	9.29E-05	2.93E-08	8.52E-09	8.14E-05	2.57E-08	7.48E-09
516	489763.71, 3861200.0	7.59E-05	2.40E-08	6.97E-09	9.30E-05	2.93E-08	8.54E-09	8.15E-05	2.57E-08	7.49E-09
517	489813.71, 3861200.0	7.61E-05	2.40E-08	6.98E-09	9.32E-05	2.94E-08	8.55E-09	8.17E-05	2.58E-08	7.50E-09
518	489863.71, 3861200.0	7.62E-05	2.41E-08	7.00E-09	9.33E-05	2.95E-08	8.57E-09	8.19E-05	2.58E-08	7.51E-09
519	489913.71, 3861200.0	7.63E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.57E-09	8.19E-05	2.58E-08	7.52E-09
520	489963.71, 3861200.0	7.63E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.58E-09	8.19E-05	2.59E-08	7.52E-09
521	490013.71, 3861200.0	7.64E-05	2.41E-08	7.01E-09	9.35E-05	2.95E-08	8.58E-09	8.20E-05	2.59E-08	7.53E-09
522	490063.71, 3861200.0	7.64E-05	2.41E-08	7.02E-09	9.36E-05	2.95E-08	8.59E-09	8.21E-05	2.59E-08	7.53E-09
523	489513.71, 3861250.0	7.39E-05	2.33E-08	6.78E-09	9.05E-05	2.86E-08	8.31E-09	7.94E-05	2.50E-08	7.29E-09
524	489563.71, 3861250.0	7.41E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.33E-09	7.96E-05	2.51E-08	7.30E-09
525	489613.71, 3861250.0	7.42E-05	2.34E-08	6.81E-09	9.08E-05	2.87E-08	8.34E-09	7.97E-05	2.51E-08	7.31E-09
526	489663.71, 3861250.0	7.42E-05	2.34E-08	6.82E-09	9.09E-05	2.87E-08	8.35E-09	7.97E-05	2.52E-08	7.32E-09
527	489713.71, 3861250.0	7.43E-05	2.35E-08	6.82E-09	9.10E-05	2.87E-08	8.36E-09	7.98E-05	2.52E-08	7.33E-09
528	489763.71, 3861250.0	7.44E-05	2.35E-08	6.83E-09	9.12E-05	2.88E-08	8.37E-09	7.99E-05	2.52E-08	7.34E-09
529	489813.71, 3861250.0	7.45E-05	2.35E-08	6.84E-09	9.13E-05	2.88E-08	8.38E-09	8.00E-05	2.53E-08	7.35E-09
530	489863.71, 3861250.0	7.46E-05	2.36E-08	6.85E-09	9.14E-05	2.88E-08	8.39E-09	8.01E-05	2.53E-08	7.36E-09
531	489913.71, 3861250.0	7.47E-05	2.36E-08	6.86E-09	9.15E-05	2.89E-08	8.40E-09	8.03E-05	2.53E-08	7.37E-09
532	489963.71, 3861250.0	7.48E-05	2.36E-08	6.87E-09	9.16E-05	2.89E-08	8.41E-09	8.04E-05	2.54E-08	7.38E-09
533	490013.71, 3861250.0	7.49E-05	2.36E-08	6.87E-09	9.17E-05	2.89E-08	8.42E-09	8.04E-05	2.54E-08	7.38E-09
534	490063.71, 3861250.0	7.49E-05	2.36E-08	6.87E-09	9.17E-05	2.89E-08	8.42E-09	8.04E-05	2.54E-08	7.38E-09
535	489528.13, 3861308.4	7.22E-05	2.28E-08	6.63E-09	8.84E-05	2.79E-08	8.12E-09	7.76E-05	2.45E-08	7.12E-09
536	489578.13, 3861308.4	7.23E-05	2.28E-08	6.64E-09	8.86E-05	2.80E-08	8.13E-09	7.77E-05	2.45E-08	7.13E-09
537	489628.13, 3861308.4	7.24E-05	2.29E-08	6.65E-09	8.87E-05	2.80E-08	8.15E-09	7.78E-05	2.46E-08	7.14E-09
538	489678.13, 3861308.4	7.26E-05	2.29E-08	6.66E-09	8.89E-05	2.81E-08	8.16E-09	7.79E-05	2.46E-08	7.16E-09
539	489728.13, 3861308.4	7.27E-05	2.29E-08	6.67E-09	8.90E-05	2.81E-08	8.17E-09	7.81E-05	2.46E-08	7.17E-09
540	489778.13, 3861308.4	7.27E-05	2.30E-08	6.68E-09	8.91E-05	2.81E-08	8.18E-09	7.81E-05	2.47E-08	7.17E-09
541	489678.13, 3861358.4	7.12E-05	2.25E-08	6.53E-09	8.71E-05	2.75E-08	8.00E-09	7.64E-05	2.41E-08	7.02E-09
542	489728.13, 3861358.4	7.12E-05	2.25E-08	6.54E-09	8.72E-05	2.75E-08	8.01E-09	7.65E-05	2.41E-08	7.02E-09
543	489528.13, 3861408.4	6.94E-05	2.19E-08	6.37E-09	8.50E-05	2.68E-08	7.80E-09	7.45E-05	2.35E-08	6.84E-09
544	489578.13, 3861408.4	6.95E-05	2.19E-08	6.38E-09	8.51E-05	2.69E-08	7.82E-09	7.47E-05	2.36E-08	6.85E-09
545	489628.13, 3861408.4	6.98E-05	2.20E-08	6.40E-09	8.54E-05	2.70E-08	7.84E-09	7.49E-05	2.36E-08	6.88E-09

546	489678.13, 3861408.4	6.98E-05	2.20E-08	6.41E-09	8.55E-05	2.70E-08	7.85E-09	7.50E-05	2.37E-08	6.88E-09
547	489728.13, 3861408.4	6.98E-05	2.20E-08	6.41E-09	8.55E-05	2.70E-08	7.85E-09	7.50E-05	2.37E-08	6.89E-09
548	489528.13, 3861458.4	6.81E-05	2.15E-08	6.25E-09	8.34E-05	2.63E-08	7.66E-09	7.32E-05	2.31E-08	6.72E-09
549	489578.13, 3861458.4	6.83E-05	2.15E-08	6.27E-09	8.36E-05	2.64E-08	7.68E-09	7.33E-05	2.31E-08	6.73E-09
550	489628.13, 3861458.4	6.84E-05	2.16E-08	6.28E-09	8.38E-05	2.64E-08	7.69E-09	7.34E-05	2.32E-08	6.74E-09
551	489678.13, 3861458.4	6.85E-05	2.16E-08	6.28E-09	8.38E-05	2.65E-08	7.70E-09	7.35E-05	2.32E-08	6.75E-09
552	489728.13, 3861458.4	6.84E-05	2.16E-08	6.28E-09	8.38E-05	2.65E-08	7.70E-09	7.35E-05	2.32E-08	6.75E-09
553	489528.13, 3861508.4	6.69E-05	2.11E-08	6.14E-09	8.19E-05	2.58E-08	7.52E-09	7.18E-05	2.27E-08	6.59E-09
554	489578.13, 3861508.4	6.70E-05	2.11E-08	6.15E-09	8.20E-05	2.59E-08	7.53E-09	7.19E-05	2.27E-08	6.60E-09
555	489628.13, 3861508.4	6.70E-05	2.12E-08	6.15E-09	8.21E-05	2.59E-08	7.54E-09	7.20E-05	2.27E-08	6.61E-09
556	489678.13, 3861508.4	6.71E-05	2.12E-08	6.16E-09	8.22E-05	2.59E-08	7.54E-09	7.21E-05	2.27E-08	6.62E-09
557	489728.13, 3861508.4	6.71E-05	2.12E-08	6.16E-09	8.22E-05	2.60E-08	7.55E-09	7.21E-05	2.28E-08	6.62E-09
558	489628.13, 3861558.4	6.59E-05	2.08E-08	6.05E-09	8.07E-05	2.55E-08	7.41E-09	7.08E-05	2.23E-08	6.50E-09
559	489678.13, 3861558.4	6.60E-05	2.08E-08	6.06E-09	8.08E-05	2.55E-08	7.42E-09	7.09E-05	2.24E-08	6.51E-09
560	489728.13, 3861558.4	6.61E-05	2.08E-08	6.06E-09	8.09E-05	2.55E-08	7.43E-09	7.09E-05	2.24E-08	6.51E-09
561	489357.08, 3861015.8	8.16E-05	2.58E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.77E-08	8.05E-09
562	489407.08, 3861015.8	8.15E-05	2.57E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.76E-08	8.04E-09
563	489457.08, 3861015.8	8.16E-05	2.58E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.77E-08	8.05E-09
564	489357.08, 3861065.8	7.99E-05	2.52E-08	7.34E-09	9.79E-05	3.09E-08	8.99E-09	8.59E-05	2.71E-08	7.88E-09
565	489407.08, 3861065.8	7.99E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.98E-09	8.58E-05	2.71E-08	7.88E-09
566	489457.08, 3861065.8	7.99E-05	2.52E-08	7.34E-09	9.79E-05	3.09E-08	8.99E-09	8.59E-05	2.71E-08	7.88E-09
567	489357.08, 3861115.8	7.83E-05	2.47E-08	7.19E-09	9.59E-05	3.03E-08	8.80E-09	8.41E-05	2.65E-08	7.72E-09
568	489407.08, 3861115.8	7.84E-05	2.47E-08	7.20E-09	9.60E-05	3.03E-08	8.81E-09	8.42E-05	2.66E-08	7.73E-09
569	489457.08, 3861115.8	7.85E-05	2.48E-08	7.20E-09	9.61E-05	3.03E-08	8.82E-09	8.43E-05	2.66E-08	7.74E-09
570	489407.08, 3861165.8	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.58E-09
571	489457.08, 3861165.8	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.58E-09
572	489407.08, 3861215.8	7.50E-05	2.37E-08	6.89E-09	9.19E-05	2.90E-08	8.43E-09	8.06E-05	2.54E-08	7.40E-09
573	489457.08, 3861215.8	7.51E-05	2.37E-08	6.89E-09	9.19E-05	2.90E-08	8.44E-09	8.06E-05	2.54E-08	7.40E-09
574	489407.08, 3861265.8	7.31E-05	2.31E-08	6.71E-09	8.96E-05	2.83E-08	8.22E-09	7.86E-05	2.48E-08	7.21E-09
575	489457.08, 3861265.8	7.33E-05	2.31E-08	6.73E-09	8.98E-05	2.83E-08	8.24E-09	7.87E-05	2.49E-08	7.23E-09
576	489309.86, 3861110.1	7.83E-05	2.47E-08	7.19E-09	9.59E-05	3.03E-08	8.80E-09	8.41E-05	2.65E-08	7.72E-09
577	489407.08, 3861315.8	7.17E-05	2.26E-08	6.58E-09	8.78E-05	2.77E-08	8.06E-09	7.70E-05	2.43E-08	7.07E-09
578	489457.08, 3861315.8	7.19E-05	2.27E-08	6.60E-09	8.80E-05	2.78E-08	8.08E-09	7.72E-05	2.44E-08	7.09E-09
579	488906.03, 3861006.7	8.15E-05	2.57E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.76E-08	8.04E-09
580	488956.03, 3861006.7	8.19E-05	2.58E-08	7.51E-09	1.00E-04	3.16E-08	9.20E-09	8.79E-05	2.78E-08	8.07E-09
581	488904.24, 3861051.8	8.12E-05	2.56E-08	7.46E-09	9.95E-05	3.14E-08	9.13E-09	8.72E-05	2.75E-08	8.01E-09
582	488954.24, 3861051.8	8.07E-05	2.55E-08	7.41E-09	9.89E-05	3.12E-08	9.08E-09	8.67E-05	2.74E-08	7.96E-09
583	489004.24, 3861051.8	8.12E-05	2.56E-08	7.45E-09	9.94E-05	3.14E-08	9.13E-09	8.72E-05	2.75E-08	8.01E-09
584	488804.24, 3861101.8	7.89E-05	2.49E-08	7.24E-09	9.66E-05	3.05E-08	8.87E-09	8.47E-05	2.67E-08	7.78E-09
585	488854.24, 3861101.8	7.91E-05	2.50E-08	7.26E-09	9.69E-05	3.06E-08	8.89E-09	8.50E-05	2.68E-08	7.80E-09
586	488904.24, 3861101.8	7.82E-05	2.47E-08	7.18E-09	9.58E-05	3.02E-08	8.79E-09	8.40E-05	2.65E-08	7.71E-09
587	488954.24, 3861101.8	7.79E-05	2.46E-08	7.16E-09	9.55E-05	3.01E-08	8.76E-09	8.37E-05	2.64E-08	7.69E-09
588	489004.24, 3861101.8	7.81E-05	2.46E-08	7.17E-09	9.56E-05	3.02E-08	8.78E-09	8.38E-05	2.65E-08	7.70E-09
589	488804.24, 3861151.8	7.61E-05	2.40E-08	6.98E-09	9.32E-05	2.94E-08	8.55E-09	8.17E-05	2.58E-08	7.50E-09
590	488854.24, 3861151.8	7.59E-05	2.40E-08	6.97E-09	9.30E-05	2.93E-08	8.53E-09	8.15E-05	2.57E-08	7.48E-09
591	489129.49, 3861187.5	7.50E-05	2.37E-08	6.89E-09	9.19E-05	2.90E-08	8.44E-09	8.06E-05	2.54E-08	7.40E-09
592	489179.49, 3861187.5	7.51E-05	2.37E-08	6.89E-09	9.20E-05	2.90E-08	8.44E-09	8.07E-05	2.55E-08	7.41E-09
593	488804.24, 3861201.8	7.46E-05	2.35E-08	6.85E-09	9.13E-05	2.88E-08	8.38E-09	8.01E-05	2.53E-08	7.35E-09
594	488854.24, 3861201.8	7.42E-05	2.34E-08	6.81E-09	9.09E-05	2.87E-08	8.34E-09	7.97E-05	2.52E-08	7.32E-09
595	489129.49, 3861237.5	7.37E-05	2.33E-08	6.76E-09	9.02E-05	2.85E-08	8.28E-09	7.92E-05	2.50E-08	7.27E-09
596	489179.49, 3861237.5	7.36E-05	2.32E-08	6.76E-09	9.01E-05	2.84E-08	8.27E-09	7.91E-05	2.50E-08	7.26E-09
597	488804.24, 3861251.8	7.32E-05	2.31E-08	6.72E-09	8.97E-05	2.83E-08	8.23E-09	7.86E-05	2.48E-08	7.22E-09
598	488854.24, 3861251.8	7.28E-05	2.30E-08	6.68E-09	8.91E-05	2.81E-08	8.18E-09	7.82E-05	2.47E-08	7.18E-09
599	488804.24, 3861301.8	7.17E-05	2.26E-08	6.58E-09	8.78E-05	2.77E-08	8.06E-09	7.70E-05	2.43E-08	7.07E-09
600	488854.24, 3861301.8	7.14E-05	2.25E-08	6.56E-09	8.75E-05	2.76E-08	8.03E-09	7.67E-05	2.42E-08	7.04E-09
601	490943.5, 3860181.97	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
602	490993.5, 3860181.97	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
603	491043.5, 3860181.97	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
604	491093.5, 3860181.97	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.27E-04	3.99E-08	1.16E-08
605	490943.5, 3860231.97	1.16E-04	3.65E-08	1.06E-08	1.41E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
606	490993.5, 3860231.97	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08

607	491043.5, 3860231.97	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.90E-08	1.13E-08
608	491093.5, 3860231.97	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
609	490943.5, 3860281.97	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
610	490993.5, 3860281.97	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
611	491043.5, 3860281.97	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
612	491093.5, 3860281.97	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
613	490943.5, 3860331.97	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
614	490993.5, 3860331.97	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
615	491043.5, 3860331.97	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
616	491093.5, 3860331.97	1.09E-04	3.43E-08	9.97E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
617	490086.72, 3859935.1	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.67E-08	1.59E-04	5.02E-08	1.46E-08
618	490136.72, 3859935.1	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.99E-08	1.45E-08
619	490186.72, 3859935.1	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.64E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
620	490236.72, 3859935.1	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.61E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
621	490286.72, 3859935.1	1.44E-04	4.55E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
622	490336.72, 3859935.1	1.43E-04	4.52E-08	1.31E-08	1.75E-04	5.53E-08	1.61E-08	1.54E-04	4.85E-08	1.41E-08
623	490386.72, 3859935.1	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
624	490436.72, 3859935.1	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
625	490486.72, 3859935.1	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
626	490536.72, 3859935.1	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
627	490586.72, 3859935.1	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
628	490636.72, 3859935.1	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
629	490686.72, 3859935.1	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
630	490736.72, 3859935.1	1.42E-04	4.48E-08	1.30E-08	1.74E-04	5.48E-08	1.60E-08	1.52E-04	4.81E-08	1.40E-08
631	490086.72, 3859985.1	1.44E-04	4.55E-08	1.32E-08	1.77E-04	5.58E-08	1.62E-08	1.55E-04	4.89E-08	1.42E-08
632	490136.72, 3859985.1	1.43E-04	4.52E-08	1.32E-08	1.75E-04	5.54E-08	1.61E-08	1.54E-04	4.86E-08	1.41E-08
633	490186.72, 3859985.1	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
634	490236.72, 3859985.1	1.42E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
635	490286.72, 3859985.1	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.39E-08
636	490336.72, 3859985.1	1.40E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
637	490386.72, 3859985.1	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.69E-08	1.37E-08
638	490436.72, 3859985.1	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.67E-08	1.36E-08
639	490486.72, 3859985.1	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
640	490536.72, 3859985.1	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
641	490586.72, 3859985.1	1.36E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.53E-08	1.47E-04	4.63E-08	1.35E-08
642	490636.72, 3859985.1	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
643	490686.72, 3859985.1	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
644	490736.72, 3859985.1	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
645	490786.72, 3859985.1	1.37E-04	4.31E-08	1.26E-08	1.67E-04	5.29E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
646	490086.72, 3860035.1	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.39E-08
647	490136.72, 3860035.1	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.74E-08	1.38E-08
648	490186.72, 3860035.1	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
649	490236.72, 3860035.1	1.38E-04	4.35E-08	1.27E-08	1.69E-04	5.33E-08	1.55E-08	1.48E-04	4.68E-08	1.36E-08
650	490286.72, 3860035.1	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
651	490336.72, 3860035.1	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.62E-08	1.34E-08
652	490386.72, 3860035.1	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.22E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
653	490436.72, 3860035.1	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
654	490486.72, 3860035.1	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
655	490536.72, 3860035.1	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
656	490586.72, 3860035.1	1.32E-04	4.18E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
657	490636.72, 3860035.1	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
658	490686.72, 3860035.1	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.41E-04	4.46E-08	1.30E-08
659	490736.72, 3860035.1	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
660	490786.72, 3860035.1	1.32E-04	4.16E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
661	490836.72, 3860035.1	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
662	490086.72, 3860085.1	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.48E-04	4.66E-08	1.35E-08
663	490136.72, 3860085.1	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.62E-08	1.34E-08
664	490186.72, 3860085.1	1.36E-04	4.28E-08	1.25E-08	1.66E-04	5.24E-08	1.52E-08	1.46E-04	4.60E-08	1.34E-08
665	490236.72, 3860085.1	1.35E-04	4.25E-08	1.24E-08	1.65E-04	5.21E-08	1.52E-08	1.45E-04	4.57E-08	1.33E-08
666	490286.72, 3860085.1	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.44E-04	4.54E-08	1.32E-08
667	490336.72, 3860085.1	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08

668	490386.72, 3860085.1	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
669	490436.72, 3860085.1	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
670	490486.72, 3860085.1	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.40E-04	4.40E-08	1.28E-08
671	490536.72, 3860085.1	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
672	490586.72, 3860085.1	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
673	490636.72, 3860085.1	1.28E-04	4.04E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.34E-08	1.26E-08
674	490686.72, 3860085.1	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
675	490736.72, 3860085.1	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
676	490786.72, 3860085.1	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
677	490836.72, 3860085.1	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.31E-08	1.26E-08
678	490086.72, 3860135.1	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.51E-08	1.31E-08
679	490136.72, 3860135.1	1.33E-04	4.18E-08	1.22E-08	1.62E-04	5.13E-08	1.49E-08	1.42E-04	4.49E-08	1.31E-08
680	490186.72, 3860135.1	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
681	490236.72, 3860135.1	1.31E-04	4.15E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.30E-08
682	490286.72, 3860135.1	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
683	490336.72, 3860135.1	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
684	490386.72, 3860135.1	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
685	490436.72, 3860135.1	1.28E-04	4.03E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
686	490486.72, 3860135.1	1.27E-04	4.01E-08	1.17E-08	1.55E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
687	490536.72, 3860135.1	1.26E-04	3.98E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.36E-04	4.28E-08	1.24E-08
688	490586.72, 3860135.1	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
689	490636.72, 3860135.1	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
690	490686.72, 3860135.1	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
691	490736.72, 3860135.1	1.24E-04	3.90E-08	1.14E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
692	490786.72, 3860135.1	1.24E-04	3.90E-08	1.13E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
693	490836.72, 3860135.1	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
694	490086.72, 3860185.1	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
695	490136.72, 3860185.1	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
696	490186.72, 3860185.1	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
697	490236.72, 3860185.1	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.38E-04	4.34E-08	1.26E-08
698	490286.72, 3860185.1	1.28E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
699	490336.72, 3860185.1	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
700	490386.72, 3860185.1	1.26E-04	3.97E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
701	490436.72, 3860185.1	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
702	490486.72, 3860185.1	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
703	490536.72, 3860185.1	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
704	490586.72, 3860185.1	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
705	490636.72, 3860185.1	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
706	490686.72, 3860185.1	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
707	490736.72, 3860185.1	1.20E-04	3.80E-08	1.11E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
708	490786.72, 3860185.1	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
709	490836.72, 3860185.1	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
710	490086.72, 3860235.1	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
711	490136.72, 3860235.1	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
712	490186.72, 3860235.1	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.84E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
713	490236.72, 3860235.1	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
714	490286.72, 3860235.1	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
715	490336.72, 3860235.1	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
716	490386.72, 3860235.1	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
717	490436.72, 3860235.1	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
718	490486.72, 3860235.1	1.22E-04	3.83E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.30E-04	4.12E-08	1.20E-08
719	490536.72, 3860235.1	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
720	490586.72, 3860235.1	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
721	490636.72, 3860235.1	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
722	490686.72, 3860235.1	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
723	490736.72, 3860235.1	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
724	490786.72, 3860235.1	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
725	490086.72, 3860285.1	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
726	490136.72, 3860285.1	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
727	490186.72, 3860285.1	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
728	490236.72, 3860285.1	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08

729	490286.72, 3860285.1	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
730	490336.72, 3860285.1	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
731	490386.72, 3860285.1	1.20E-04	3.80E-08	1.11E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
732	490436.72, 3860285.1	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
733	490486.72, 3860285.1	1.19E-04	3.75E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
734	490536.72, 3860285.1	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
735	490586.72, 3860285.1	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
736	490636.72, 3860285.1	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
737	490686.72, 3860285.1	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
738	490736.72, 3860285.1	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.14E-08
739	490786.72, 3860285.1	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
740	490086.72, 3860335.1	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
741	490136.72, 3860335.1	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
742	490186.72, 3860335.1	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
743	490236.72, 3860335.1	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
744	490286.72, 3860335.1	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
745	490336.72, 3860335.1	1.18E-04	3.72E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
746	490386.72, 3860335.1	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
747	490436.72, 3860335.1	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
748	490486.72, 3860335.1	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
749	490536.72, 3860335.1	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
750	490586.72, 3860335.1	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.90E-08	1.13E-08
751	490636.72, 3860335.1	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.28E-08	1.23E-04	3.87E-08	1.13E-08
752	490686.72, 3860335.1	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
753	490736.72, 3860335.1	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
754	490786.72, 3860335.1	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
755	490086.72, 3860385.1	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
756	490136.72, 3860385.1	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
757	490186.72, 3860385.1	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
758	490236.72, 3860385.1	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
759	490286.72, 3860385.1	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
760	490336.72, 3860385.1	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
761	490386.72, 3860385.1	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
762	490436.72, 3860385.1	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
763	490486.72, 3860385.1	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
764	490536.72, 3860385.1	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
765	490586.72, 3860385.1	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
766	490636.72, 3860385.1	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
767	490686.72, 3860385.1	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.20E-04	3.77E-08	1.10E-08
768	490736.72, 3860385.1	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
769	490786.72, 3860385.1	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
770	490136.72, 3860435.1	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
771	490186.72, 3860435.1	1.12E-04	3.54E-08	1.03E-08	1.38E-04	4.34E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
772	490236.72, 3860435.1	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.34E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
773	490286.72, 3860435.1	1.12E-04	3.54E-08	1.03E-08	1.38E-04	4.34E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
774	490336.72, 3860435.1	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
775	490386.72, 3860435.1	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
776	490436.72, 3860435.1	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
777	490486.72, 3860435.1	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.20E-04	3.77E-08	1.10E-08
778	490536.72, 3860435.1	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
779	490586.72, 3860435.1	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
780	490636.72, 3860435.1	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
781	490686.72, 3860435.1	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
782	490736.72, 3860435.1	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.68E-08	1.07E-08
783	490786.72, 3860435.1	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
784	490136.72, 3860485.1	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
785	490186.72, 3860485.1	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
786	490236.72, 3860485.1	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
787	490286.72, 3860485.1	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
788	490336.72, 3860485.1	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
789	490386.72, 3860485.1	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08

790	490436.72, 3860485.1	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
791	490486.72, 3860485.1	1.09E-04	3.44E-08	9.99E-09	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
792	490536.72, 3860485.1	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.68E-08	1.07E-08
793	490586.72, 3860485.1	1.08E-04	3.41E-08	9.91E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
794	490636.72, 3860485.1	1.08E-04	3.39E-08	9.87E-09	1.32E-04	4.16E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
795	490686.72, 3860485.1	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
796	490736.72, 3860485.1	1.06E-04	3.36E-08	9.76E-09	1.30E-04	4.11E-08	1.20E-08	1.14E-04	3.60E-08	1.05E-08
797	490786.72, 3860485.1	1.06E-04	3.34E-08	9.71E-09	1.29E-04	4.09E-08	1.19E-08	1.14E-04	3.58E-08	1.04E-08
798	490136.72, 3860535.1	1.06E-04	3.35E-08	9.75E-09	1.30E-04	4.11E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
799	490186.72, 3860535.1	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.15E-04	3.61E-08	1.05E-08
800	490236.72, 3860535.1	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
801	490286.72, 3860535.1	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
802	490336.72, 3860535.1	1.07E-04	3.36E-08	9.78E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
803	490386.72, 3860535.1	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
804	490436.72, 3860535.1	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
805	490486.72, 3860535.1	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
806	490536.72, 3860535.1	1.07E-04	3.36E-08	9.78E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
807	490586.72, 3860535.1	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.58E-08	1.04E-08
808	490636.72, 3860535.1	1.05E-04	3.32E-08	9.67E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
809	490686.72, 3860535.1	1.05E-04	3.31E-08	9.62E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
810	490736.72, 3860535.1	1.04E-04	3.29E-08	9.57E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
811	490786.72, 3860535.1	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.52E-08	1.02E-08
812	490136.72, 3860585.1	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
813	490186.72, 3860585.1	1.03E-04	3.26E-08	9.48E-09	1.26E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
814	490236.72, 3860585.1	1.04E-04	3.27E-08	9.50E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.51E-08	1.02E-08
815	490286.72, 3860585.1	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.52E-08	1.02E-08
816	490336.72, 3860585.1	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
817	490386.72, 3860585.1	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
818	490436.72, 3860585.1	1.04E-04	3.29E-08	9.56E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
819	490486.72, 3860585.1	1.04E-04	3.30E-08	9.58E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
820	490536.72, 3860585.1	1.04E-04	3.29E-08	9.56E-09	1.28E-04	4.02E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
821	490586.72, 3860585.1	1.03E-04	3.26E-08	9.49E-09	1.27E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
822	490636.72, 3860585.1	1.03E-04	3.25E-08	9.46E-09	1.26E-04	3.98E-08	1.16E-08	1.11E-04	3.49E-08	1.02E-08
823	490686.72, 3860585.1	1.03E-04	3.24E-08	9.43E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
824	490736.72, 3860585.1	1.02E-04	3.23E-08	9.38E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
825	490786.72, 3860585.1	1.02E-04	3.21E-08	9.33E-09	1.25E-04	3.93E-08	1.14E-08	1.09E-04	3.45E-08	1.00E-08
826	490136.72, 3860635.1	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
827	490186.72, 3860635.1	1.01E-04	3.19E-08	9.29E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.98E-09
828	490236.72, 3860635.1	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.95E-09
829	490286.72, 3860635.1	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.96E-09
830	490336.72, 3860635.1	1.01E-04	3.19E-08	9.29E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.97E-09
831	490386.72, 3860635.1	1.01E-04	3.20E-08	9.30E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.98E-09
832	490436.72, 3860635.1	1.01E-04	3.20E-08	9.30E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.43E-08	9.99E-09
833	490486.72, 3860635.1	1.01E-04	3.20E-08	9.30E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.43E-08	9.99E-09
834	490536.72, 3860635.1	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
835	490586.72, 3860635.1	1.01E-04	3.19E-08	9.28E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.97E-09
836	490636.72, 3860635.1	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.95E-09
837	490686.72, 3860635.1	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
838	490736.72, 3860635.1	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
839	490786.72, 3860635.1	9.97E-05	3.15E-08	9.16E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.83E-09
840	490136.72, 3860685.1	9.87E-05	3.12E-08	9.06E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.73E-09
841	490186.72, 3860685.1	9.93E-05	3.13E-08	9.12E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.37E-08	9.79E-09
842	490236.72, 3860685.1	9.89E-05	3.12E-08	9.07E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
843	490286.72, 3860685.1	9.83E-05	3.10E-08	9.02E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.69E-09
844	490336.72, 3860685.1	9.86E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.72E-09
845	490386.72, 3860685.1	9.87E-05	3.12E-08	9.06E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.73E-09
846	490436.72, 3860685.1	9.87E-05	3.12E-08	9.06E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.73E-09
847	490486.72, 3860685.1	9.87E-05	3.11E-08	9.06E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.73E-09
848	490536.72, 3860685.1	9.87E-05	3.12E-08	9.06E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.73E-09
849	490586.72, 3860685.1	9.87E-05	3.11E-08	9.06E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.73E-09
850	490636.72, 3860685.1	9.87E-05	3.11E-08	9.06E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.73E-09

851	490686.72, 3860685.1	9.85E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.72E-09
852	490736.72, 3860685.1	9.82E-05	3.10E-08	9.02E-09	1.20E-04	3.80E-08	1.10E-08	1.05E-04	3.33E-08	9.68E-09
853	490786.72, 3860685.1	9.80E-05	3.09E-08	9.00E-09	1.20E-04	3.79E-08	1.10E-08	1.05E-04	3.32E-08	9.66E-09
854	490136.72, 3860735.1	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
855	490186.72, 3860735.1	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.07E-08	1.03E-04	3.24E-08	9.43E-09
856	490236.72, 3860735.1	9.57E-05	3.02E-08	8.79E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.44E-09
857	490286.72, 3860735.1	9.59E-05	3.03E-08	8.80E-09	1.17E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.45E-09
858	490336.72, 3860735.1	9.60E-05	3.03E-08	8.81E-09	1.18E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.46E-09
859	490386.72, 3860735.1	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
860	490436.72, 3860735.1	9.66E-05	3.05E-08	8.87E-09	1.18E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.53E-09
861	490486.72, 3860735.1	9.65E-05	3.05E-08	8.86E-09	1.18E-04	3.73E-08	1.09E-08	1.04E-04	3.27E-08	9.52E-09
862	490536.72, 3860735.1	9.63E-05	3.04E-08	8.84E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
863	490586.72, 3860735.1	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
864	490636.72, 3860735.1	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.48E-09
865	490686.72, 3860735.1	9.63E-05	3.04E-08	8.84E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
866	490736.72, 3860735.1	9.63E-05	3.04E-08	8.84E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
867	490136.72, 3860785.1	9.29E-05	2.93E-08	8.53E-09	1.14E-04	3.59E-08	1.04E-08	9.98E-05	3.15E-08	9.16E-09
868	490186.72, 3860785.1	9.30E-05	2.94E-08	8.54E-09	1.14E-04	3.60E-08	1.05E-08	9.99E-05	3.15E-08	9.17E-09
869	490236.72, 3860785.1	9.32E-05	2.94E-08	8.55E-09	1.14E-04	3.60E-08	1.05E-08	1.00E-04	3.16E-08	9.19E-09
870	490286.72, 3860785.1	9.33E-05	2.94E-08	8.57E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
871	490336.72, 3860785.1	9.34E-05	2.95E-08	8.58E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.17E-08	9.21E-09
872	490386.72, 3860785.1	9.38E-05	2.96E-08	8.61E-09	1.15E-04	3.62E-08	1.05E-08	1.01E-04	3.18E-08	9.24E-09
873	490436.72, 3860785.1	9.39E-05	2.96E-08	8.62E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.26E-09
874	490486.72, 3860785.1	9.42E-05	2.97E-08	8.64E-09	1.15E-04	3.64E-08	1.06E-08	1.01E-04	3.19E-08	9.28E-09
875	490536.72, 3860785.1	9.41E-05	2.97E-08	8.64E-09	1.15E-04	3.64E-08	1.06E-08	1.01E-04	3.19E-08	9.28E-09
876	490586.72, 3860785.1	9.38E-05	2.96E-08	8.61E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.25E-09
877	490636.72, 3860785.1	9.38E-05	2.96E-08	8.61E-09	1.15E-04	3.63E-08	1.05E-08	1.01E-04	3.18E-08	9.25E-09
878	490686.72, 3860785.1	9.39E-05	2.96E-08	8.62E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.25E-09
879	490736.72, 3860785.1	9.40E-05	2.97E-08	8.63E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.26E-09
880	490086.72, 3860835.1	9.04E-05	2.85E-08	8.30E-09	1.11E-04	3.49E-08	1.02E-08	9.71E-05	3.06E-08	8.91E-09
881	490136.72, 3860835.1	9.07E-05	2.86E-08	8.32E-09	1.11E-04	3.51E-08	1.02E-08	9.74E-05	3.07E-08	8.94E-09
882	490186.72, 3860835.1	9.07E-05	2.86E-08	8.33E-09	1.11E-04	3.51E-08	1.02E-08	9.74E-05	3.07E-08	8.94E-09
883	490236.72, 3860835.1	9.08E-05	2.87E-08	8.33E-09	1.11E-04	3.51E-08	1.02E-08	9.75E-05	3.08E-08	8.95E-09
884	490286.72, 3860835.1	9.09E-05	2.87E-08	8.35E-09	1.11E-04	3.52E-08	1.02E-08	9.77E-05	3.08E-08	8.97E-09
885	490336.72, 3860835.1	9.10E-05	2.87E-08	8.36E-09	1.11E-04	3.52E-08	1.02E-08	9.78E-05	3.09E-08	8.97E-09
886	490386.72, 3860835.1	9.12E-05	2.88E-08	8.37E-09	1.12E-04	3.52E-08	1.03E-08	9.79E-05	3.09E-08	8.99E-09
887	490436.72, 3860835.1	9.14E-05	2.89E-08	8.39E-09	1.12E-04	3.53E-08	1.03E-08	9.82E-05	3.10E-08	9.01E-09
888	490486.72, 3860835.1	9.16E-05	2.89E-08	8.41E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.03E-09
889	490536.72, 3860835.1	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.54E-08	1.03E-08	9.85E-05	3.11E-08	9.04E-09
890	490586.72, 3860835.1	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.04E-09
891	490636.72, 3860835.1	9.16E-05	2.89E-08	8.41E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.03E-09
892	490686.72, 3860835.1	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.54E-08	1.03E-08	9.85E-05	3.11E-08	9.04E-09
893	490736.72, 3860835.1	9.18E-05	2.90E-08	8.43E-09	1.12E-04	3.55E-08	1.03E-08	9.86E-05	3.11E-08	9.05E-09
894	490086.72, 3860885.1	8.83E-05	2.79E-08	8.11E-09	1.08E-04	3.41E-08	9.93E-09	9.48E-05	2.99E-08	8.71E-09
895	490136.72, 3860885.1	8.84E-05	2.79E-08	8.12E-09	1.08E-04	3.42E-08	9.94E-09	9.50E-05	3.00E-08	8.72E-09
896	490186.72, 3860885.1	8.85E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.95E-09	9.51E-05	3.00E-08	8.73E-09
897	490236.72, 3860885.1	8.86E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.96E-09	9.52E-05	3.00E-08	8.74E-09
898	490286.72, 3860885.1	8.87E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.97E-09	9.53E-05	3.01E-08	8.75E-09
899	490336.72, 3860885.1	8.88E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.53E-05	3.01E-08	8.75E-09
900	490386.72, 3860885.1	8.89E-05	2.81E-08	8.17E-09	1.09E-04	3.44E-08	1.00E-08	9.55E-05	3.01E-08	8.77E-09
901	490436.72, 3860885.1	8.92E-05	2.81E-08	8.19E-09	1.09E-04	3.45E-08	1.00E-08	9.58E-05	3.02E-08	8.79E-09
902	490486.72, 3860885.1	8.93E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
903	490536.72, 3860885.1	8.94E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.60E-05	3.03E-08	8.82E-09
904	490586.72, 3860885.1	8.95E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
905	490636.72, 3860885.1	8.95E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
906	490686.72, 3860885.1	8.95E-05	2.82E-08	8.22E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
907	490736.72, 3860885.1	8.95E-05	2.83E-08	8.22E-09	1.10E-04	3.46E-08	1.01E-08	9.62E-05	3.03E-08	8.83E-09
908	490086.72, 3860935.1	8.61E-05	2.72E-08	7.91E-09	1.06E-04	3.33E-08	9.69E-09	9.25E-05	2.92E-08	8.49E-09
909	490136.72, 3860935.1	8.61E-05	2.72E-08	7.91E-09	1.06E-04	3.33E-08	9.69E-09	9.25E-05	2.92E-08	8.49E-09
910	490186.72, 3860935.1	8.63E-05	2.72E-08	7.92E-09	1.06E-04	3.34E-08	9.70E-09	9.27E-05	2.93E-08	8.51E-09
911	490236.72, 3860935.1	8.65E-05	2.73E-08	7.94E-09	1.06E-04	3.34E-08	9.72E-09	9.28E-05	2.93E-08	8.52E-09

912	490286.72, 3860935.1	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.30E-05	2.94E-08	8.54E-09
913	490336.72, 3860935.1	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.30E-05	2.94E-08	8.54E-09
914	490386.72, 3860935.1	8.68E-05	2.74E-08	7.97E-09	1.06E-04	3.36E-08	9.76E-09	9.33E-05	2.94E-08	8.56E-09
915	490436.72, 3860935.1	8.70E-05	2.75E-08	7.99E-09	1.07E-04	3.36E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
916	490486.72, 3860935.1	8.71E-05	2.75E-08	8.00E-09	1.07E-04	3.37E-08	9.80E-09	9.36E-05	2.95E-08	8.59E-09
917	490536.72, 3860935.1	8.73E-05	2.75E-08	8.01E-09	1.07E-04	3.37E-08	9.81E-09	9.37E-05	2.96E-08	8.61E-09
918	490586.72, 3860935.1	8.73E-05	2.76E-08	8.02E-09	1.07E-04	3.38E-08	9.82E-09	9.38E-05	2.96E-08	8.61E-09
919	490636.72, 3860935.1	8.74E-05	2.76E-08	8.02E-09	1.07E-04	3.38E-08	9.82E-09	9.38E-05	2.96E-08	8.61E-09
920	490686.72, 3860935.1	8.74E-05	2.76E-08	8.03E-09	1.07E-04	3.38E-08	9.83E-09	9.39E-05	2.96E-08	8.62E-09
921	490736.72, 3860935.1	8.75E-05	2.76E-08	8.03E-09	1.07E-04	3.38E-08	9.84E-09	9.39E-05	2.96E-08	8.62E-09
922	490786.72, 3860935.1	8.75E-05	2.76E-08	8.03E-09	1.07E-04	3.38E-08	9.84E-09	9.40E-05	2.97E-08	8.63E-09
923	490836.72, 3860935.1	8.76E-05	2.77E-08	8.04E-09	1.07E-04	3.39E-08	9.85E-09	9.41E-05	2.97E-08	8.64E-09
924	490086.72, 3860985.1	8.42E-05	2.66E-08	7.73E-09	1.03E-04	3.25E-08	9.46E-09	9.04E-05	2.85E-08	8.30E-09
925	490136.72, 3860985.1	8.43E-05	2.66E-08	7.74E-09	1.03E-04	3.26E-08	9.47E-09	9.05E-05	2.86E-08	8.31E-09
926	490186.72, 3860985.1	8.44E-05	2.66E-08	7.75E-09	1.03E-04	3.26E-08	9.49E-09	9.07E-05	2.86E-08	8.33E-09
927	490236.72, 3860985.1	8.44E-05	2.67E-08	7.75E-09	1.03E-04	3.26E-08	9.49E-09	9.07E-05	2.86E-08	8.33E-09
928	490286.72, 3860985.1	8.45E-05	2.67E-08	7.76E-09	1.04E-04	3.27E-08	9.50E-09	9.08E-05	2.86E-08	8.33E-09
929	490336.72, 3860985.1	8.46E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.09E-05	2.87E-08	8.34E-09
930	490386.72, 3860985.1	8.48E-05	2.68E-08	7.78E-09	1.04E-04	3.28E-08	9.53E-09	9.10E-05	2.87E-08	8.36E-09
931	490436.72, 3860985.1	8.50E-05	2.68E-08	7.81E-09	1.04E-04	3.29E-08	9.56E-09	9.13E-05	2.88E-08	8.38E-09
932	490486.72, 3860985.1	8.51E-05	2.69E-08	7.81E-09	1.04E-04	3.29E-08	9.57E-09	9.14E-05	2.89E-08	8.39E-09
933	490536.72, 3860985.1	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
934	490586.72, 3860985.1	8.52E-05	2.69E-08	7.83E-09	1.04E-04	3.30E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
935	490636.72, 3860985.1	8.54E-05	2.69E-08	7.84E-09	1.05E-04	3.30E-08	9.60E-09	9.17E-05	2.89E-08	8.42E-09
936	490686.72, 3860985.1	8.54E-05	2.70E-08	7.84E-09	1.05E-04	3.30E-08	9.60E-09	9.17E-05	2.90E-08	8.42E-09
937	490736.72, 3860985.1	8.54E-05	2.70E-08	7.84E-09	1.05E-04	3.30E-08	9.61E-09	9.18E-05	2.90E-08	8.42E-09
938	490786.72, 3860985.1	8.55E-05	2.70E-08	7.85E-09	1.05E-04	3.31E-08	9.61E-09	9.18E-05	2.90E-08	8.43E-09
939	490836.72, 3860985.1	8.56E-05	2.70E-08	7.86E-09	1.05E-04	3.31E-08	9.63E-09	9.20E-05	2.90E-08	8.44E-09
940	490086.72, 3861035.1	8.23E-05	2.60E-08	7.55E-09	1.01E-04	3.18E-08	9.25E-09	8.83E-05	2.79E-08	8.11E-09
941	490136.72, 3861035.1	8.24E-05	2.60E-08	7.56E-09	1.01E-04	3.18E-08	9.26E-09	8.85E-05	2.79E-08	8.12E-09
942	490186.72, 3861035.1	8.24E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.85E-05	2.79E-08	8.13E-09
943	490236.72, 3861035.1	8.26E-05	2.61E-08	7.58E-09	1.01E-04	3.19E-08	9.28E-09	8.87E-05	2.80E-08	8.14E-09
944	490286.72, 3861035.1	8.26E-05	2.61E-08	7.58E-09	1.01E-04	3.19E-08	9.29E-09	8.87E-05	2.80E-08	8.14E-09
945	490336.72, 3861035.1	8.26E-05	2.61E-08	7.59E-09	1.01E-04	3.19E-08	9.29E-09	8.88E-05	2.80E-08	8.15E-09
946	490386.72, 3861035.1	8.29E-05	2.62E-08	7.61E-09	1.01E-04	3.20E-08	9.32E-09	8.90E-05	2.81E-08	8.17E-09
947	490436.72, 3861035.1	8.31E-05	2.62E-08	7.63E-09	1.02E-04	3.21E-08	9.34E-09	8.92E-05	2.82E-08	8.19E-09
948	490486.72, 3861035.1	8.32E-05	2.63E-08	7.64E-09	1.02E-04	3.22E-08	9.35E-09	8.93E-05	2.82E-08	8.20E-09
949	490536.72, 3861035.1	8.33E-05	2.63E-08	7.64E-09	1.02E-04	3.22E-08	9.36E-09	8.94E-05	2.82E-08	8.21E-09
950	490586.72, 3861035.1	8.33E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.95E-05	2.82E-08	8.21E-09
951	490636.72, 3861035.1	8.34E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.95E-05	2.83E-08	8.22E-09
952	490686.72, 3861035.1	8.34E-05	2.63E-08	7.66E-09	1.02E-04	3.22E-08	9.38E-09	8.96E-05	2.83E-08	8.22E-09
953	490736.72, 3861035.1	8.35E-05	2.63E-08	7.66E-09	1.02E-04	3.23E-08	9.39E-09	8.96E-05	2.83E-08	8.23E-09
954	490786.72, 3861035.1	8.36E-05	2.64E-08	7.67E-09	1.02E-04	3.23E-08	9.40E-09	8.97E-05	2.83E-08	8.24E-09
955	490836.72, 3861035.1	8.37E-05	2.64E-08	7.68E-09	1.03E-04	3.24E-08	9.41E-09	8.99E-05	2.84E-08	8.25E-09
956	490086.72, 3861085.1	8.04E-05	2.54E-08	7.38E-09	9.85E-05	3.11E-08	9.04E-09	8.64E-05	2.73E-08	7.93E-09
957	490136.72, 3861085.1	8.06E-05	2.54E-08	7.40E-09	9.88E-05	3.12E-08	9.07E-09	8.66E-05	2.73E-08	7.95E-09
958	490186.72, 3861085.1	8.09E-05	2.55E-08	7.42E-09	9.90E-05	3.13E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
959	490236.72, 3861085.1	8.08E-05	2.55E-08	7.42E-09	9.90E-05	3.12E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
960	490286.72, 3861085.1	8.08E-05	2.55E-08	7.42E-09	9.90E-05	3.13E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
961	490336.72, 3861085.1	8.09E-05	2.55E-08	7.42E-09	9.90E-05	3.13E-08	9.09E-09	8.69E-05	2.74E-08	7.97E-09
962	490386.72, 3861085.1	8.11E-05	2.56E-08	7.44E-09	9.93E-05	3.13E-08	9.11E-09	8.70E-05	2.75E-08	7.99E-09
963	490436.72, 3861085.1	8.12E-05	2.56E-08	7.45E-09	9.94E-05	3.14E-08	9.12E-09	8.72E-05	2.75E-08	8.00E-09
964	490486.72, 3861085.1	8.13E-05	2.56E-08	7.46E-09	9.95E-05	3.14E-08	9.14E-09	8.73E-05	2.75E-08	8.01E-09
965	490536.72, 3861085.1	8.14E-05	2.57E-08	7.48E-09	9.97E-05	3.15E-08	9.16E-09	8.75E-05	2.76E-08	8.03E-09
966	490586.72, 3861085.1	8.15E-05	2.57E-08	7.48E-09	9.98E-05	3.15E-08	9.16E-09	8.75E-05	2.76E-08	8.03E-09
967	490636.72, 3861085.1	8.14E-05	2.57E-08	7.48E-09	9.97E-05	3.15E-08	9.16E-09	8.74E-05	2.76E-08	8.03E-09
968	490686.72, 3861085.1	8.15E-05	2.57E-08	7.48E-09	9.98E-05	3.15E-08	9.16E-09	8.75E-05	2.76E-08	8.03E-09
969	490736.72, 3861085.1	8.16E-05	2.57E-08	7.49E-09	9.99E-05	3.15E-08	9.17E-09	8.76E-05	2.76E-08	8.04E-09
970	490786.72, 3861085.1	8.17E-05	2.58E-08	7.50E-09	1.00E-04	3.16E-08	9.19E-09	8.77E-05	2.77E-08	8.05E-09
971	490836.72, 3861085.1	8.18E-05	2.58E-08	7.51E-09	1.00E-04	3.16E-08	9.20E-09	8.78E-05	2.77E-08	8.06E-09
972	490086.72, 3861135.1	7.87E-05	2.48E-08	7.22E-09	9.64E-05	3.04E-08	8.85E-09	8.45E-05	2.67E-08	7.76E-09

973	490136.72, 3861135.1	7.88E-05	2.49E-08	7.24E-09	9.66E-05	3.05E-08	8.86E-09	8.47E-05	2.67E-08	7.77E-09
974	490186.72, 3861135.1	7.90E-05	2.49E-08	7.25E-09	9.68E-05	3.05E-08	8.89E-09	8.49E-05	2.68E-08	7.79E-09
975	490236.72, 3861135.1	7.91E-05	2.50E-08	7.27E-09	9.69E-05	3.06E-08	8.90E-09	8.50E-05	2.68E-08	7.80E-09
976	490286.72, 3861135.1	7.92E-05	2.50E-08	7.27E-09	9.70E-05	3.06E-08	8.90E-09	8.50E-05	2.68E-08	7.81E-09
977	490336.72, 3861135.1	7.92E-05	2.50E-08	7.27E-09	9.70E-05	3.06E-08	8.91E-09	8.51E-05	2.69E-08	7.81E-09
978	490386.72, 3861135.1	7.93E-05	2.50E-08	7.28E-09	9.71E-05	3.07E-08	8.92E-09	8.52E-05	2.69E-08	7.82E-09
979	490436.72, 3861135.1	7.94E-05	2.51E-08	7.29E-09	9.72E-05	3.07E-08	8.93E-09	8.53E-05	2.69E-08	7.83E-09
980	490486.72, 3861135.1	7.95E-05	2.51E-08	7.30E-09	9.74E-05	3.07E-08	8.94E-09	8.54E-05	2.69E-08	7.84E-09
981	490536.72, 3861135.1	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
982	490586.72, 3861135.1	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
983	490636.72, 3861135.1	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
984	490686.72, 3861135.1	7.97E-05	2.52E-08	7.32E-09	9.76E-05	3.08E-08	8.96E-09	8.56E-05	2.70E-08	7.86E-09
985	490736.72, 3861135.1	7.98E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.97E-09	8.57E-05	2.71E-08	7.87E-09
986	490786.72, 3861135.1	7.99E-05	2.52E-08	7.34E-09	9.79E-05	3.09E-08	8.99E-09	8.58E-05	2.71E-08	7.88E-09
987	490836.72, 3861135.1	8.00E-05	2.52E-08	7.34E-09	9.80E-05	3.09E-08	8.99E-09	8.59E-05	2.71E-08	7.89E-09
988	490086.72, 3861185.1	7.70E-05	2.43E-08	7.07E-09	9.43E-05	2.98E-08	8.66E-09	8.27E-05	2.61E-08	7.59E-09
989	490136.72, 3861185.1	7.70E-05	2.43E-08	7.07E-09	9.43E-05	2.98E-08	8.66E-09	8.27E-05	2.61E-08	7.59E-09
990	490186.72, 3861185.1	7.72E-05	2.44E-08	7.08E-09	9.45E-05	2.98E-08	8.67E-09	8.29E-05	2.62E-08	7.61E-09
991	490236.72, 3861185.1	7.73E-05	2.44E-08	7.10E-09	9.47E-05	2.99E-08	8.69E-09	8.30E-05	2.62E-08	7.62E-09
992	490286.72, 3861185.1	7.75E-05	2.45E-08	7.11E-09	9.49E-05	3.00E-08	8.71E-09	8.32E-05	2.63E-08	7.64E-09
993	490336.72, 3861185.1	7.74E-05	2.44E-08	7.10E-09	9.48E-05	2.99E-08	8.70E-09	8.31E-05	2.62E-08	7.63E-09
994	490386.72, 3861185.1	7.75E-05	2.45E-08	7.11E-09	9.49E-05	3.00E-08	8.71E-09	8.32E-05	2.63E-08	7.64E-09
995	490436.72, 3861185.1	7.77E-05	2.45E-08	7.13E-09	9.51E-05	3.00E-08	8.73E-09	8.34E-05	2.63E-08	7.66E-09
996	490486.72, 3861185.1	7.77E-05	2.45E-08	7.14E-09	9.52E-05	3.00E-08	8.74E-09	8.35E-05	2.63E-08	7.66E-09
997	490536.72, 3861185.1	7.80E-05	2.46E-08	7.16E-09	9.55E-05	3.01E-08	8.77E-09	8.37E-05	2.64E-08	7.69E-09
998	490586.72, 3861185.1	7.80E-05	2.46E-08	7.16E-09	9.55E-05	3.01E-08	8.77E-09	8.37E-05	2.64E-08	7.69E-09
999	490636.72, 3861185.1	7.79E-05	2.46E-08	7.15E-09	9.54E-05	3.01E-08	8.76E-09	8.36E-05	2.64E-08	7.68E-09
1000	490686.72, 3861185.1	7.79E-05	2.46E-08	7.15E-09	9.54E-05	3.01E-08	8.76E-09	8.37E-05	2.64E-08	7.68E-09
1001	490736.72, 3861185.1	7.81E-05	2.47E-08	7.17E-09	9.57E-05	3.02E-08	8.78E-09	8.39E-05	2.65E-08	7.70E-09
1002	490786.72, 3861185.1	7.82E-05	2.47E-08	7.18E-09	9.58E-05	3.02E-08	8.80E-09	8.40E-05	2.65E-08	7.71E-09
1003	490836.72, 3861185.1	7.83E-05	2.47E-08	7.19E-09	9.59E-05	3.03E-08	8.81E-09	8.41E-05	2.65E-08	7.72E-09
1004	490086.72, 3861235.1	7.53E-05	2.38E-08	6.91E-09	9.22E-05	2.91E-08	8.47E-09	8.09E-05	2.55E-08	7.43E-09
1005	490136.72, 3861235.1	7.54E-05	2.38E-08	6.92E-09	9.23E-05	2.91E-08	8.48E-09	8.10E-05	2.56E-08	7.43E-09
1006	490186.72, 3861235.1	7.55E-05	2.38E-08	6.93E-09	9.25E-05	2.92E-08	8.49E-09	8.11E-05	2.56E-08	7.45E-09
1007	490236.72, 3861235.1	7.56E-05	2.38E-08	6.94E-09	9.25E-05	2.92E-08	8.50E-09	8.11E-05	2.56E-08	7.45E-09
1008	490386.72, 3861235.1	7.58E-05	2.39E-08	6.95E-09	9.28E-05	2.93E-08	8.52E-09	8.14E-05	2.57E-08	7.47E-09
1009	490436.72, 3861235.1	7.58E-05	2.39E-08	6.96E-09	9.28E-05	2.93E-08	8.52E-09	8.14E-05	2.57E-08	7.47E-09
1010	490486.72, 3861235.1	7.59E-05	2.39E-08	6.97E-09	9.29E-05	2.93E-08	8.53E-09	8.15E-05	2.57E-08	7.48E-09
1011	490536.72, 3861235.1	7.62E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.57E-09	8.19E-05	2.58E-08	7.51E-09
1012	490586.72, 3861235.1	7.64E-05	2.41E-08	7.02E-09	9.36E-05	2.95E-08	8.59E-09	8.21E-05	2.59E-08	7.54E-09
1013	490636.72, 3861235.1	7.62E-05	2.40E-08	6.99E-09	9.33E-05	2.95E-08	8.57E-09	8.18E-05	2.58E-08	7.51E-09
1014	490686.72, 3861235.1	7.63E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.58E-09	8.19E-05	2.59E-08	7.52E-09
1015	490736.72, 3861235.1	7.64E-05	2.41E-08	7.02E-09	9.36E-05	2.95E-08	8.59E-09	8.21E-05	2.59E-08	7.54E-09
1016	490786.72, 3861235.1	7.66E-05	2.42E-08	7.03E-09	9.38E-05	2.96E-08	8.61E-09	8.23E-05	2.60E-08	7.55E-09
1017	490836.72, 3861235.1	7.67E-05	2.42E-08	7.04E-09	9.39E-05	2.96E-08	8.62E-09	8.24E-05	2.60E-08	7.56E-09
1018	490086.72, 3861285.1	7.38E-05	2.33E-08	6.78E-09	9.04E-05	2.85E-08	8.30E-09	7.93E-05	2.50E-08	7.28E-09
1019	490136.72, 3861285.1	7.40E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.32E-09	7.95E-05	2.51E-08	7.30E-09
1020	490186.72, 3861285.1	7.40E-05	2.34E-08	6.79E-09	9.06E-05	2.86E-08	8.32E-09	7.95E-05	2.51E-08	7.30E-09
1021	490236.72, 3861285.1	7.40E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.33E-09	7.95E-05	2.51E-08	7.30E-09
1022	490386.72, 3861285.1	7.42E-05	2.34E-08	6.81E-09	9.09E-05	2.87E-08	8.34E-09	7.97E-05	2.51E-08	7.32E-09
1023	490436.72, 3861285.1	7.43E-05	2.35E-08	6.82E-09	9.10E-05	2.87E-08	8.36E-09	7.98E-05	2.52E-08	7.33E-09
1024	490486.72, 3861285.1	7.43E-05	2.35E-08	6.82E-09	9.10E-05	2.87E-08	8.36E-09	7.98E-05	2.52E-08	7.33E-09
1025	490536.72, 3861285.1	7.44E-05	2.35E-08	6.83E-09	9.12E-05	2.88E-08	8.37E-09	7.99E-05	2.52E-08	7.34E-09
1026	490586.72, 3861285.1	7.46E-05	2.35E-08	6.85E-09	9.13E-05	2.88E-08	8.38E-09	8.01E-05	2.53E-08	7.35E-09
1027	490636.72, 3861285.1	7.45E-05	2.35E-08	6.84E-09	9.13E-05	2.88E-08	8.38E-09	8.00E-05	2.53E-08	7.35E-09
1028	490686.72, 3861285.1	7.46E-05	2.35E-08	6.85E-09	9.14E-05	2.88E-08	8.39E-09	8.01E-05	2.53E-08	7.35E-09
1029	490736.72, 3861285.1	7.49E-05	2.36E-08	6.87E-09	9.17E-05	2.89E-08	8.42E-09	8.04E-05	2.54E-08	7.38E-09
1030	490786.72, 3861285.1	7.49E-05	2.37E-08	6.88E-09	9.18E-05	2.90E-08	8.43E-09	8.05E-05	2.54E-08	7.39E-09
1031	490836.72, 3861285.1	7.50E-05	2.37E-08	6.88E-09	9.18E-05	2.90E-08	8.43E-09	8.05E-05	2.54E-08	7.39E-09
1032	490061.24, 3859716.1	1.69E-04	5.34E-08	1.55E-08	2.07E-04	6.53E-08	1.90E-08	1.82E-04	5.73E-08	1.67E-08
1033	490111.24, 3859716.1	1.68E-04	5.31E-08	1.55E-08	2.06E-04	6.51E-08	1.89E-08	1.81E-04	5.71E-08	1.66E-08

1034	490161.24, 3859716.1	1.68E-04	5.29E-08	1.54E-08	2.05E-04	6.48E-08	1.89E-08	1.80E-04	5.68E-08	1.65E-08
1035	490211.24, 3859716.1	1.67E-04	5.27E-08	1.53E-08	2.05E-04	6.46E-08	1.88E-08	1.79E-04	5.66E-08	1.65E-08
1036	490061.24, 3859766.1	1.64E-04	5.17E-08	1.50E-08	2.00E-04	6.33E-08	1.84E-08	1.76E-04	5.55E-08	1.61E-08
1037	490111.24, 3859766.1	1.63E-04	5.13E-08	1.49E-08	1.99E-04	6.29E-08	1.83E-08	1.75E-04	5.52E-08	1.60E-08
1038	490161.24, 3859766.1	1.62E-04	5.10E-08	1.48E-08	1.98E-04	6.25E-08	1.82E-08	1.74E-04	5.48E-08	1.59E-08
1039	490211.24, 3859766.1	1.61E-04	5.08E-08	1.48E-08	1.97E-04	6.23E-08	1.81E-08	1.73E-04	5.46E-08	1.59E-08
1040	490061.24, 3859816.1	1.59E-04	5.01E-08	1.46E-08	1.95E-04	6.14E-08	1.79E-08	1.71E-04	5.38E-08	1.57E-08
1041	490111.24, 3859816.1	1.58E-04	4.98E-08	1.45E-08	1.93E-04	6.09E-08	1.77E-08	1.69E-04	5.35E-08	1.55E-08
1042	490161.24, 3859816.1	1.57E-04	4.94E-08	1.44E-08	1.92E-04	6.05E-08	1.76E-08	1.68E-04	5.31E-08	1.54E-08
1043	490211.24, 3859816.1	1.56E-04	4.92E-08	1.43E-08	1.91E-04	6.02E-08	1.75E-08	1.67E-04	5.28E-08	1.54E-08
1044	490061.24, 3859866.1	1.54E-04	4.87E-08	1.42E-08	1.89E-04	5.97E-08	1.74E-08	1.66E-04	5.23E-08	1.52E-08
1045	490111.24, 3859866.1	1.53E-04	4.84E-08	1.41E-08	1.88E-04	5.92E-08	1.72E-08	1.65E-04	5.19E-08	1.51E-08
1046	490161.24, 3859866.1	1.52E-04	4.80E-08	1.40E-08	1.86E-04	5.88E-08	1.71E-08	1.63E-04	5.16E-08	1.50E-08
1047	490211.24, 3859866.1	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.85E-08	1.70E-08	1.62E-04	5.13E-08	1.49E-08
1048	490061.24, 3859916.1	1.50E-04	4.74E-08	1.38E-08	1.84E-04	5.80E-08	1.69E-08	1.61E-04	5.09E-08	1.48E-08
1049	490111.24, 3859916.1	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.76E-08	1.68E-08	1.60E-04	5.05E-08	1.47E-08
1050	490161.24, 3859916.1	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.02E-08	1.46E-08
1051	490211.24, 3859916.1	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
1052	490229.25, 3859815.2	1.56E-04	4.91E-08	1.43E-08	1.91E-04	6.02E-08	1.75E-08	1.67E-04	5.28E-08	1.53E-08
1053	490279.25, 3859815.2	1.55E-04	4.89E-08	1.42E-08	1.90E-04	5.99E-08	1.74E-08	1.66E-04	5.25E-08	1.53E-08
1054	490329.25, 3859815.2	1.54E-04	4.87E-08	1.42E-08	1.89E-04	5.96E-08	1.73E-08	1.66E-04	5.23E-08	1.52E-08
1055	490379.25, 3859815.2	1.54E-04	4.86E-08	1.41E-08	1.89E-04	5.95E-08	1.73E-08	1.65E-04	5.22E-08	1.52E-08
1056	490429.25, 3859815.2	1.54E-04	4.86E-08	1.41E-08	1.89E-04	5.95E-08	1.73E-08	1.65E-04	5.22E-08	1.52E-08
1057	490229.25, 3859865.2	1.51E-04	4.76E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
1058	490279.25, 3859865.2	1.50E-04	4.74E-08	1.38E-08	1.84E-04	5.80E-08	1.69E-08	1.61E-04	5.09E-08	1.48E-08
1059	490329.25, 3859865.2	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.77E-08	1.68E-08	1.60E-04	5.06E-08	1.47E-08
1060	490379.25, 3859865.2	1.49E-04	4.69E-08	1.37E-08	1.82E-04	5.75E-08	1.67E-08	1.60E-04	5.04E-08	1.47E-08
1061	490429.25, 3859865.2	1.48E-04	4.68E-08	1.36E-08	1.82E-04	5.74E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
1062	490229.25, 3859915.2	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
1063	490279.25, 3859915.2	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.57E-04	4.94E-08	1.44E-08
1064	490329.25, 3859915.2	1.45E-04	4.57E-08	1.33E-08	1.77E-04	5.60E-08	1.63E-08	1.56E-04	4.91E-08	1.43E-08
1065	490379.25, 3859915.2	1.44E-04	4.55E-08	1.32E-08	1.77E-04	5.57E-08	1.62E-08	1.55E-04	4.89E-08	1.42E-08
1066	490429.25, 3859915.2	1.44E-04	4.53E-08	1.32E-08	1.76E-04	5.55E-08	1.61E-08	1.54E-04	4.87E-08	1.42E-08
1067	490451.43, 3859872.5	1.47E-04	4.65E-08	1.35E-08	1.81E-04	5.70E-08	1.66E-08	1.58E-04	5.00E-08	1.45E-08
1068	490501.43, 3859872.5	1.47E-04	4.65E-08	1.35E-08	1.81E-04	5.70E-08	1.66E-08	1.58E-04	5.00E-08	1.45E-08
1069	490551.43, 3859872.5	1.48E-04	4.66E-08	1.36E-08	1.81E-04	5.71E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
1070	490601.43, 3859872.5	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.02E-08	1.46E-08
1071	490451.43, 3859922.5	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.84E-08	1.41E-08
1072	490501.43, 3859922.5	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1073	490551.43, 3859922.5	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
1074	490601.43, 3859922.5	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.41E-08
1075	482129.67, 3852241.0	8.34E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.96E-05	2.83E-08	8.23E-09
1076	482029.67, 3852291.0	8.48E-05	2.68E-08	7.78E-09	1.04E-04	3.28E-08	9.53E-09	9.11E-05	2.88E-08	8.36E-09
1077	482079.67, 3852291.0	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
1078	482129.67, 3852291.0	8.54E-05	2.69E-08	7.84E-09	1.05E-04	3.30E-08	9.60E-09	9.18E-05	2.90E-08	8.42E-09
1079	482179.67, 3852291.0	8.54E-05	2.70E-08	7.84E-09	1.05E-04	3.30E-08	9.61E-09	9.18E-05	2.90E-08	8.43E-09
1080	482229.67, 3852291.0	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
1081	482029.67, 3852341.0	8.62E-05	2.72E-08	7.91E-09	1.06E-04	3.33E-08	9.70E-09	9.26E-05	2.92E-08	8.51E-09
1082	482079.67, 3852341.0	8.69E-05	2.74E-08	7.97E-09	1.06E-04	3.36E-08	9.77E-09	9.33E-05	2.95E-08	8.57E-09
1083	482129.67, 3852341.0	8.72E-05	2.75E-08	8.01E-09	1.07E-04	3.37E-08	9.81E-09	9.38E-05	2.96E-08	8.61E-09
1084	482179.67, 3852341.0	8.75E-05	2.76E-08	8.04E-09	1.07E-04	3.38E-08	9.84E-09	9.41E-05	2.97E-08	8.64E-09
1085	482259.06, 3852400.1	8.95E-05	2.83E-08	8.22E-09	1.10E-04	3.46E-08	1.01E-08	9.62E-05	3.04E-08	8.83E-09
1086	482309.06, 3852400.1	9.00E-05	2.84E-08	8.26E-09	1.10E-04	3.48E-08	1.01E-08	9.67E-05	3.05E-08	8.88E-09
1087	482209.06, 3852450.1	9.13E-05	2.88E-08	8.38E-09	1.12E-04	3.53E-08	1.03E-08	9.81E-05	3.10E-08	9.01E-09
1088	482259.06, 3852450.1	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.54E-08	1.03E-08	9.85E-05	3.11E-08	9.05E-09
1089	482309.06, 3852450.1	9.23E-05	2.91E-08	8.47E-09	1.13E-04	3.57E-08	1.04E-08	9.92E-05	3.13E-08	9.11E-09
1090	482209.06, 3852500.1	9.33E-05	2.94E-08	8.56E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
1091	482259.06, 3852500.1	9.39E-05	2.96E-08	8.62E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.26E-09
1092	482309.06, 3852500.1	9.44E-05	2.98E-08	8.67E-09	1.16E-04	3.65E-08	1.06E-08	1.01E-04	3.20E-08	9.32E-09
1093	482283.91, 3852513.6	9.47E-05	2.99E-08	8.69E-09	1.16E-04	3.66E-08	1.06E-08	1.02E-04	3.21E-08	9.34E-09
1094	482333.91, 3852513.6	9.51E-05	3.00E-08	8.73E-09	1.17E-04	3.68E-08	1.07E-08	1.02E-04	3.23E-08	9.38E-09

1095	482283.91, 3852563.6	9.66E-05	3.05E-08	8.87E-09	1.18E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.53E-09
1096	482333.91, 3852563.6	9.71E-05	3.06E-08	8.91E-09	1.19E-04	3.75E-08	1.09E-08	1.04E-04	3.29E-08	9.58E-09
1097	482383.91, 3852563.6	9.74E-05	3.07E-08	8.94E-09	1.19E-04	3.77E-08	1.10E-08	1.05E-04	3.30E-08	9.61E-09
1098	482283.91, 3852613.6	9.91E-05	3.13E-08	9.10E-09	1.21E-04	3.83E-08	1.11E-08	1.06E-04	3.36E-08	9.77E-09
1099	482333.91, 3852613.6	9.94E-05	3.14E-08	9.12E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.37E-08	9.81E-09
1100	482383.91, 3852613.6	9.96E-05	3.14E-08	9.14E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.38E-08	9.83E-09
1101	482602.38, 3852600.8	1.02E-04	3.21E-08	9.33E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.45E-08	1.00E-08
1102	482652.38, 3852600.8	1.02E-04	3.21E-08	9.34E-09	1.25E-04	3.94E-08	1.14E-08	1.09E-04	3.45E-08	1.00E-08
1103	482702.38, 3852600.8	1.01E-04	3.19E-08	9.29E-09	1.24E-04	3.91E-08	1.14E-08	1.09E-04	3.43E-08	9.98E-09
1104	482552.38, 3852650.8	1.04E-04	3.29E-08	9.56E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
1105	482602.38, 3852650.8	1.05E-04	3.30E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
1106	482652.38, 3852650.8	1.05E-04	3.32E-08	9.65E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
1107	482702.38, 3852650.8	1.05E-04	3.32E-08	9.66E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
1108	482552.38, 3852700.8	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.63E-08	1.05E-08
1109	482602.38, 3852700.8	1.08E-04	3.40E-08	9.88E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1110	482652.38, 3852700.8	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
1111	482702.38, 3852700.8	1.09E-04	3.43E-08	9.96E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
1112	482452.38, 3852750.8	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
1113	482521.29, 3852749.7	1.09E-04	3.44E-08	9.99E-09	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
1114	482571.29, 3852749.7	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
1115	482521.29, 3852799.7	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
1116	482571.29, 3852799.7	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
1117	482621.29, 3852799.7	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
1118	482571.29, 3852849.7	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1119	482621.29, 3852849.7	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1120	482577.42, 3852901.5	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1121	482627.42, 3852901.5	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
1122	482629.96, 3852955.8	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
1123	482679.96, 3852955.8	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1124	482781.63, 3853034.4	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
1125	482831.63, 3853034.4	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.50E-04	4.72E-08	1.37E-08
1126	482881.63, 3853034.4	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.50E-04	4.72E-08	1.37E-08
1127	482781.63, 3853084.4	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
1128	482831.63, 3853084.4	1.45E-04	4.57E-08	1.33E-08	1.78E-04	5.60E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
1129	482881.63, 3853084.4	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.61E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
1130	482781.63, 3853134.4	1.50E-04	4.72E-08	1.37E-08	1.83E-04	5.79E-08	1.68E-08	1.61E-04	5.08E-08	1.48E-08
1131	482831.63, 3853134.4	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.13E-08	1.49E-08
1132	482881.63, 3853134.4	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.85E-08	1.70E-08	1.63E-04	5.13E-08	1.49E-08
1133	482831.63, 3853184.4	1.58E-04	4.98E-08	1.45E-08	1.93E-04	6.10E-08	1.78E-08	1.70E-04	5.36E-08	1.56E-08
1134	482881.63, 3853184.4	1.58E-04	4.99E-08	1.45E-08	1.94E-04	6.11E-08	1.78E-08	1.70E-04	5.37E-08	1.56E-08
1135	484154.84, 3854250.9	5.53E-04	1.74E-07	5.07E-08	6.77E-04	2.14E-07	6.22E-08	5.95E-04	1.88E-07	5.46E-08
1136	484204.84, 3854250.9	5.36E-04	1.69E-07	4.92E-08	6.57E-04	2.07E-07	6.03E-08	5.77E-04	1.82E-07	5.30E-08
1137	484154.84, 3854300.9	5.73E-04	1.81E-07	5.26E-08	7.03E-04	2.22E-07	6.45E-08	6.17E-04	1.95E-07	5.67E-08
1138	484204.84, 3854300.9	5.64E-04	1.78E-07	5.18E-08	6.92E-04	2.18E-07	6.35E-08	6.08E-04	1.92E-07	5.58E-08
1139	484074.19, 3854519.8	9.25E-04	2.92E-07	8.49E-08	1.13E-03	3.58E-07	1.04E-07	9.95E-04	3.14E-07	9.14E-08
1140	484124.19, 3854519.8	8.79E-04	2.77E-07	8.07E-08	1.08E-03	3.40E-07	9.89E-08	9.46E-04	2.99E-07	8.69E-08
1141	484074.19, 3854569.8	1.10E-03	3.48E-07	1.01E-07	1.35E-03	4.26E-07	1.24E-07	1.19E-03	3.75E-07	1.09E-07
1142	484124.19, 3854569.8	1.03E-03	3.25E-07	9.45E-08	1.26E-03	3.98E-07	1.16E-07	1.11E-03	3.50E-07	1.02E-07
1143	485205.11, 3855188.8	4.23E-03	1.33E-06	3.88E-07	5.18E-03	1.64E-06	4.76E-07	4.54E-03	1.43E-06	4.17E-07
1144	485255.11, 3855188.8	3.78E-03	1.19E-06	3.47E-07	4.63E-03	1.46E-06	4.25E-07	4.06E-03	1.28E-06	3.73E-07
1145	485205.11, 3855238.8	4.63E-03	1.46E-06	4.25E-07	5.68E-03	1.79E-06	5.21E-07	4.98E-03	1.57E-06	4.57E-07
1146	485255.11, 3855238.8	4.18E-03	1.32E-06	3.84E-07	5.12E-03	1.62E-06	4.70E-07	4.49E-03	1.42E-06	4.12E-07
1147	485205.11, 3855288.8	5.65E-03	1.78E-06	5.18E-07	6.92E-03	2.18E-06	6.35E-07	6.08E-03	1.92E-06	5.58E-07
1148	485255.11, 3855288.8	4.89E-03	1.54E-06	4.49E-07	5.99E-03	1.89E-06	5.50E-07	5.26E-03	1.66E-06	4.83E-07
1149	485255.11, 3855338.8	5.85E-03	1.85E-06	5.37E-07	7.16E-03	2.26E-06	6.58E-07	6.30E-03	1.99E-06	5.78E-07
1150	485305.11, 3855338.8	5.06E-03	1.60E-06	4.64E-07	6.19E-03	1.96E-06	5.69E-07	5.44E-03	1.72E-06	5.00E-07
1151	485852.5, 3855635.28	3.50E-03	1.11E-06	3.22E-07	4.29E-03	1.35E-06	3.94E-07	3.78E-03	1.19E-06	3.47E-07
1152	485902.5, 3855635.28	3.23E-03	1.02E-06	2.96E-07	3.96E-03	1.25E-06	3.63E-07	3.48E-03	1.10E-06	3.20E-07
1153	485852.5, 3855685.28	3.83E-03	1.21E-06	3.52E-07	4.69E-03	1.48E-06	4.31E-07	4.13E-03	1.30E-06	3.79E-07
1154	485902.5, 3855685.28	3.50E-03	1.10E-06	3.21E-07	4.28E-03	1.35E-06	3.93E-07	3.77E-03	1.19E-06	3.46E-07
1155	485852.5, 3855735.28	4.23E-03	1.33E-06	3.88E-07	5.18E-03	1.63E-06	4.75E-07	4.56E-03	1.44E-06	4.19E-07

1156	485902.5, 3855735.28	3.85E-03	1.22E-06	3.53E-07	4.72E-03	1.49E-06	4.33E-07	4.15E-03	1.31E-06	3.81E-07
1157	485852.5, 3855785.28	4.81E-03	1.52E-06	4.42E-07	5.90E-03	1.86E-06	5.41E-07	5.19E-03	1.64E-06	4.77E-07
1158	485902.5, 3855785.28	4.24E-03	1.34E-06	3.89E-07	5.19E-03	1.64E-06	4.77E-07	4.57E-03	1.44E-06	4.20E-07
1159	486809.46, 3856465.2	3.76E-03	1.19E-06	3.45E-07	4.61E-03	1.45E-06	4.23E-07	4.06E-03	1.28E-06	3.72E-07
1160	486859.46, 3856465.2	3.52E-03	1.11E-06	3.23E-07	4.31E-03	1.36E-06	3.96E-07	3.80E-03	1.20E-06	3.49E-07
1161	486909.46, 3856465.2	3.31E-03	1.04E-06	3.04E-07	4.06E-03	1.28E-06	3.72E-07	3.57E-03	1.13E-06	3.28E-07
1162	486809.46, 3856515.2	4.12E-03	1.30E-06	3.78E-07	5.04E-03	1.59E-06	4.63E-07	4.44E-03	1.40E-06	4.08E-07
1163	486859.46, 3856515.2	3.82E-03	1.21E-06	3.51E-07	4.68E-03	1.48E-06	4.30E-07	4.12E-03	1.30E-06	3.78E-07
1164	486909.46, 3856515.2	3.57E-03	1.13E-06	3.28E-07	4.37E-03	1.38E-06	4.01E-07	3.85E-03	1.22E-06	3.54E-07
1165	486980.94, 3856357.9	2.68E-03	8.45E-07	2.46E-07	3.28E-03	1.04E-06	3.01E-07	2.89E-03	9.12E-07	2.65E-07
1166	487030.94, 3856357.9	2.57E-03	8.10E-07	2.36E-07	3.14E-03	9.92E-07	2.88E-07	2.77E-03	8.73E-07	2.54E-07
1167	486980.94, 3856407.9	2.85E-03	8.98E-07	2.61E-07	3.49E-03	1.10E-06	3.20E-07	3.07E-03	9.69E-07	2.82E-07
1168	487030.94, 3856407.9	2.72E-03	8.57E-07	2.49E-07	3.33E-03	1.05E-06	3.05E-07	2.93E-03	9.25E-07	2.69E-07
1169	487447.18, 3856437.4	2.03E-03	6.40E-07	1.86E-07	2.48E-03	7.84E-07	2.28E-07	2.19E-03	6.90E-07	2.01E-07
1170	487497.18, 3856437.4	1.96E-03	6.20E-07	1.80E-07	2.40E-03	7.59E-07	2.21E-07	2.12E-03	6.68E-07	1.94E-07
1171	487547.18, 3856437.4	1.90E-03	6.00E-07	1.75E-07	2.33E-03	7.35E-07	2.14E-07	2.05E-03	6.47E-07	1.88E-07
1172	487447.18, 3856487.4	2.11E-03	6.66E-07	1.94E-07	2.58E-03	8.15E-07	2.37E-07	2.27E-03	7.18E-07	2.09E-07
1173	487497.18, 3856487.4	2.04E-03	6.43E-07	1.87E-07	2.50E-03	7.88E-07	2.29E-07	2.20E-03	6.94E-07	2.02E-07
1174	487547.18, 3856487.4	1.97E-03	6.22E-07	1.81E-07	2.41E-03	7.62E-07	2.22E-07	2.13E-03	6.71E-07	1.95E-07
1175	487447.18, 3856537.4	2.19E-03	6.93E-07	2.01E-07	2.69E-03	8.48E-07	2.47E-07	2.37E-03	7.47E-07	2.17E-07
1176	487497.18, 3856537.4	2.12E-03	6.68E-07	1.94E-07	2.59E-03	8.18E-07	2.38E-07	2.28E-03	7.20E-07	2.09E-07
1177	487547.18, 3856537.4	2.04E-03	6.45E-07	1.88E-07	2.50E-03	7.90E-07	2.30E-07	2.20E-03	6.95E-07	2.02E-07
1178	489285.89, 3858826.5	7.69E-04	2.43E-07	7.06E-08	9.42E-04	2.97E-07	8.65E-08	8.29E-04	2.62E-07	7.61E-08
1179	489335.89, 3858826.5	7.18E-04	2.27E-07	6.59E-08	8.80E-04	2.78E-07	8.08E-08	7.74E-04	2.44E-07	7.10E-08
1180	489385.89, 3858826.5	6.75E-04	2.13E-07	6.20E-08	8.27E-04	2.61E-07	7.59E-08	7.27E-04	2.30E-07	6.68E-08
1181	489435.89, 3858826.5	6.39E-04	2.02E-07	5.87E-08	7.83E-04	2.47E-07	7.19E-08	6.89E-04	2.17E-07	6.32E-08
1182	489485.89, 3858826.5	6.09E-04	1.92E-07	5.59E-08	7.46E-04	2.36E-07	6.85E-08	6.56E-04	2.07E-07	6.02E-08
1183	489535.89, 3858826.5	5.83E-04	1.84E-07	5.35E-08	7.14E-04	2.25E-07	6.56E-08	6.28E-04	1.98E-07	5.76E-08
1184	489585.89, 3858826.5	5.60E-04	1.77E-07	5.15E-08	6.87E-04	2.17E-07	6.30E-08	6.03E-04	1.90E-07	5.54E-08
1185	489635.89, 3858826.5	5.41E-04	1.71E-07	4.96E-08	6.62E-04	2.09E-07	6.08E-08	5.82E-04	1.84E-07	5.34E-08
1186	489685.89, 3858826.5	5.23E-04	1.65E-07	4.80E-08	6.40E-04	2.02E-07	5.88E-08	5.63E-04	1.78E-07	5.17E-08
1187	489735.89, 3858826.5	5.07E-04	1.60E-07	4.65E-08	6.21E-04	1.96E-07	5.70E-08	5.45E-04	1.72E-07	5.00E-08
1188	489785.89, 3858826.5	4.92E-04	1.55E-07	4.52E-08	6.03E-04	1.90E-07	5.53E-08	5.30E-04	1.67E-07	4.86E-08
1189	489835.89, 3858826.5	4.79E-04	1.51E-07	4.40E-08	5.87E-04	1.85E-07	5.38E-08	5.15E-04	1.63E-07	4.73E-08
1190	489885.89, 3858826.5	4.67E-04	1.47E-07	4.29E-08	5.72E-04	1.80E-07	5.25E-08	5.02E-04	1.59E-07	4.61E-08
1191	489935.89, 3858826.5	4.56E-04	1.44E-07	4.18E-08	5.58E-04	1.76E-07	5.13E-08	4.90E-04	1.55E-07	4.50E-08
1192	489985.89, 3858826.5	4.46E-04	1.41E-07	4.09E-08	5.46E-04	1.72E-07	5.01E-08	4.79E-04	1.51E-07	4.40E-08
1193	490035.89, 3858826.5	4.36E-04	1.38E-07	4.00E-08	5.34E-04	1.69E-07	4.90E-08	4.69E-04	1.48E-07	4.31E-08
1194	489285.89, 3858876.5	7.03E-04	2.22E-07	6.46E-08	8.62E-04	2.72E-07	7.91E-08	7.58E-04	2.39E-07	6.96E-08
1195	489335.89, 3858876.5	6.60E-04	2.08E-07	6.06E-08	8.09E-04	2.55E-07	7.43E-08	7.11E-04	2.25E-07	6.53E-08
1196	489385.89, 3858876.5	6.24E-04	1.97E-07	5.73E-08	7.65E-04	2.41E-07	7.02E-08	6.73E-04	2.12E-07	6.17E-08
1197	489435.89, 3858876.5	5.94E-04	1.87E-07	5.45E-08	7.27E-04	2.30E-07	6.68E-08	6.40E-04	2.02E-07	5.87E-08
1198	489485.89, 3858876.5	5.67E-04	1.79E-07	5.21E-08	6.95E-04	2.19E-07	6.38E-08	6.11E-04	1.93E-07	5.61E-08
1199	489535.89, 3858876.5	5.45E-04	1.72E-07	5.00E-08	6.67E-04	2.11E-07	6.13E-08	5.87E-04	1.85E-07	5.38E-08
1200	489585.89, 3858876.5	5.25E-04	1.66E-07	4.82E-08	6.43E-04	2.03E-07	5.90E-08	5.65E-04	1.78E-07	5.19E-08
1201	489635.89, 3858876.5	5.08E-04	1.60E-07	4.66E-08	6.22E-04	1.96E-07	5.71E-08	5.46E-04	1.72E-07	5.02E-08
1202	489685.89, 3858876.5	4.92E-04	1.55E-07	4.52E-08	6.03E-04	1.90E-07	5.53E-08	5.30E-04	1.67E-07	4.86E-08
1203	489735.89, 3858876.5	4.78E-04	1.51E-07	4.39E-08	5.86E-04	1.85E-07	5.38E-08	5.14E-04	1.62E-07	4.72E-08
1204	489785.89, 3858876.5	4.65E-04	1.47E-07	4.27E-08	5.70E-04	1.80E-07	5.23E-08	5.01E-04	1.58E-07	4.60E-08
1205	489835.89, 3858876.5	4.54E-04	1.43E-07	4.16E-08	5.56E-04	1.75E-07	5.10E-08	4.88E-04	1.54E-07	4.48E-08
1206	489885.89, 3858876.5	4.43E-04	1.40E-07	4.07E-08	5.43E-04	1.71E-07	4.98E-08	4.77E-04	1.50E-07	4.38E-08
1207	489935.89, 3858876.5	4.33E-04	1.37E-07	3.98E-08	5.31E-04	1.67E-07	4.87E-08	4.66E-04	1.47E-07	4.28E-08
1208	489985.89, 3858876.5	4.24E-04	1.34E-07	3.89E-08	5.19E-04	1.64E-07	4.77E-08	4.56E-04	1.44E-07	4.19E-08
1209	490035.89, 3858876.5	4.16E-04	1.31E-07	3.82E-08	5.09E-04	1.61E-07	4.67E-08	4.47E-04	1.41E-07	4.10E-08
1210	489285.89, 3858926.5	6.23E-04	1.97E-07	5.72E-08	7.63E-04	2.41E-07	7.01E-08	6.71E-04	2.12E-07	6.16E-08
1211	489335.89, 3858926.5	5.92E-04	1.87E-07	5.44E-08	7.26E-04	2.29E-07	6.66E-08	6.38E-04	2.01E-07	5.86E-08
1212	489385.89, 3858926.5	5.66E-04	1.79E-07	5.19E-08	6.93E-04	2.19E-07	6.36E-08	6.09E-04	1.92E-07	5.59E-08
1213	489435.89, 3858926.5	5.42E-04	1.71E-07	4.98E-08	6.64E-04	2.10E-07	6.10E-08	5.84E-04	1.84E-07	5.36E-08
1214	489485.89, 3858926.5	5.22E-04	1.65E-07	4.79E-08	6.39E-04	2.02E-07	5.87E-08	5.62E-04	1.77E-07	5.16E-08
1215	489535.89, 3858926.5	5.03E-04	1.59E-07	4.62E-08	6.17E-04	1.95E-07	5.66E-08	5.42E-04	1.71E-07	4.98E-08
1216	489585.89, 3858926.5	4.87E-04	1.54E-07	4.47E-08	5.97E-04	1.88E-07	5.48E-08	5.24E-04	1.65E-07	4.81E-08

1217	489635.89, 3858926.5	4.72E-04	1.49E-07	4.34E-08	5.79E-04	1.83E-07	5.31E-08	5.09E-04	1.61E-07	4.67E-08
1218	489685.89, 3858926.5	4.60E-04	1.45E-07	4.22E-08	5.63E-04	1.78E-07	5.17E-08	4.95E-04	1.56E-07	4.54E-08
1219	489735.89, 3858926.5	4.48E-04	1.41E-07	4.11E-08	5.49E-04	1.73E-07	5.04E-08	4.82E-04	1.52E-07	4.43E-08
1220	489785.89, 3858926.5	4.37E-04	1.38E-07	4.01E-08	5.36E-04	1.69E-07	4.92E-08	4.71E-04	1.49E-07	4.32E-08
1221	489835.89, 3858926.5	4.27E-04	1.35E-07	3.92E-08	5.24E-04	1.65E-07	4.81E-08	4.60E-04	1.45E-07	4.22E-08
1222	489885.89, 3858926.5	4.18E-04	1.32E-07	3.84E-08	5.13E-04	1.62E-07	4.71E-08	4.50E-04	1.42E-07	4.13E-08
1223	489935.89, 3858926.5	4.10E-04	1.29E-07	3.76E-08	5.02E-04	1.59E-07	4.61E-08	4.41E-04	1.39E-07	4.05E-08
1224	489985.89, 3858926.5	4.02E-04	1.27E-07	3.69E-08	4.93E-04	1.55E-07	4.52E-08	4.32E-04	1.36E-07	3.97E-08
1225	490035.89, 3858926.5	3.95E-04	1.25E-07	3.62E-08	4.83E-04	1.53E-07	4.44E-08	4.24E-04	1.34E-07	3.90E-08
1226	489335.89, 3858976.5	5.23E-04	1.65E-07	4.80E-08	6.41E-04	2.02E-07	5.88E-08	5.63E-04	1.78E-07	5.17E-08
1227	489385.89, 3858976.5	5.06E-04	1.60E-07	4.64E-08	6.19E-04	1.95E-07	5.69E-08	5.44E-04	1.72E-07	5.00E-08
1228	489435.89, 3858976.5	4.90E-04	1.55E-07	4.49E-08	6.00E-04	1.89E-07	5.51E-08	5.27E-04	1.66E-07	4.84E-08
1229	489485.89, 3858976.5	4.75E-04	1.50E-07	4.36E-08	5.82E-04	1.84E-07	5.34E-08	5.11E-04	1.61E-07	4.69E-08
1230	489535.89, 3858976.5	4.61E-04	1.46E-07	4.23E-08	5.65E-04	1.78E-07	5.19E-08	4.97E-04	1.57E-07	4.56E-08
1231	489585.89, 3858976.5	4.49E-04	1.42E-07	4.12E-08	5.50E-04	1.74E-07	5.05E-08	4.83E-04	1.53E-07	4.44E-08
1232	489635.89, 3858976.5	4.37E-04	1.38E-07	4.02E-08	5.36E-04	1.69E-07	4.92E-08	4.71E-04	1.49E-07	4.32E-08
1233	489685.89, 3858976.5	4.27E-04	1.35E-07	3.92E-08	5.23E-04	1.65E-07	4.80E-08	4.59E-04	1.45E-07	4.22E-08
1234	489735.89, 3858976.5	4.17E-04	1.32E-07	3.83E-08	5.11E-04	1.61E-07	4.69E-08	4.49E-04	1.42E-07	4.12E-08
1235	489785.89, 3858976.5	4.09E-04	1.29E-07	3.75E-08	5.01E-04	1.58E-07	4.60E-08	4.40E-04	1.39E-07	4.04E-08
1236	489835.89, 3858976.5	4.01E-04	1.26E-07	3.68E-08	4.91E-04	1.55E-07	4.51E-08	4.31E-04	1.36E-07	3.96E-08
1237	489885.89, 3858976.5	3.94E-04	1.24E-07	3.61E-08	4.82E-04	1.52E-07	4.43E-08	4.23E-04	1.34E-07	3.89E-08
1238	489935.89, 3858976.5	3.86E-04	1.22E-07	3.55E-08	4.73E-04	1.49E-07	4.35E-08	4.16E-04	1.31E-07	3.82E-08
1239	489985.89, 3858976.5	3.80E-04	1.20E-07	3.49E-08	4.65E-04	1.47E-07	4.27E-08	4.09E-04	1.29E-07	3.75E-08
1240	490035.89, 3858976.5	3.73E-04	1.18E-07	3.43E-08	4.57E-04	1.44E-07	4.20E-08	4.01E-04	1.27E-07	3.68E-08
1241	489385.89, 3859026.5	4.49E-04	1.42E-07	4.12E-08	5.50E-04	1.74E-07	5.05E-08	4.84E-04	1.53E-07	4.44E-08
1242	489435.89, 3859026.5	4.39E-04	1.39E-07	4.03E-08	5.38E-04	1.70E-07	4.94E-08	4.73E-04	1.49E-07	4.34E-08
1243	489485.89, 3859026.5	4.30E-04	1.36E-07	3.95E-08	5.26E-04	1.66E-07	4.83E-08	4.63E-04	1.46E-07	4.25E-08
1244	489535.89, 3859026.5	4.21E-04	1.33E-07	3.86E-08	5.15E-04	1.63E-07	4.73E-08	4.53E-04	1.43E-07	4.16E-08
1245	489585.89, 3859026.5	4.12E-04	1.30E-07	3.78E-08	5.04E-04	1.59E-07	4.63E-08	4.43E-04	1.40E-07	4.07E-08
1246	489635.89, 3859026.5	4.03E-04	1.27E-07	3.70E-08	4.94E-04	1.56E-07	4.54E-08	4.34E-04	1.37E-07	3.98E-08
1247	489685.89, 3859026.5	3.95E-04	1.25E-07	3.63E-08	4.84E-04	1.53E-07	4.45E-08	4.25E-04	1.34E-07	3.91E-08
1248	489735.89, 3859026.5	3.88E-04	1.22E-07	3.56E-08	4.75E-04	1.50E-07	4.36E-08	4.17E-04	1.32E-07	3.83E-08
1249	489785.89, 3859026.5	3.81E-04	1.20E-07	3.50E-08	4.67E-04	1.47E-07	4.29E-08	4.10E-04	1.29E-07	3.76E-08
1250	489835.89, 3859026.5	3.75E-04	1.18E-07	3.44E-08	4.59E-04	1.45E-07	4.21E-08	4.03E-04	1.27E-07	3.70E-08
1251	489885.89, 3859026.5	3.69E-04	1.16E-07	3.39E-08	4.52E-04	1.43E-07	4.15E-08	3.97E-04	1.25E-07	3.64E-08
1252	489935.89, 3859026.5	3.63E-04	1.15E-07	3.33E-08	4.45E-04	1.40E-07	4.08E-08	3.91E-04	1.23E-07	3.59E-08
1253	489985.89, 3859026.5	3.58E-04	1.13E-07	3.29E-08	4.38E-04	1.38E-07	4.02E-08	3.85E-04	1.21E-07	3.53E-08
1254	490035.89, 3859026.5	3.52E-04	1.11E-07	3.23E-08	4.31E-04	1.36E-07	3.96E-08	3.79E-04	1.19E-07	3.48E-08
1255	489485.89, 3859076.5	3.89E-04	1.23E-07	3.57E-08	4.76E-04	1.50E-07	4.37E-08	4.19E-04	1.32E-07	3.84E-08
1256	489535.89, 3859076.5	3.83E-04	1.21E-07	3.52E-08	4.69E-04	1.48E-07	4.31E-08	4.12E-04	1.30E-07	3.78E-08
1257	489585.89, 3859076.5	3.77E-04	1.19E-07	3.46E-08	4.62E-04	1.46E-07	4.24E-08	4.06E-04	1.28E-07	3.72E-08
1258	489635.89, 3859076.5	3.71E-04	1.17E-07	3.41E-08	4.55E-04	1.44E-07	4.17E-08	3.99E-04	1.26E-07	3.67E-08
1259	489685.89, 3859076.5	3.65E-04	1.15E-07	3.36E-08	4.48E-04	1.41E-07	4.11E-08	3.93E-04	1.24E-07	3.61E-08
1260	489735.89, 3859076.5	3.60E-04	1.14E-07	3.30E-08	4.41E-04	1.39E-07	4.05E-08	3.87E-04	1.22E-07	3.56E-08
1261	489785.89, 3859076.5	3.55E-04	1.12E-07	3.26E-08	4.35E-04	1.37E-07	3.99E-08	3.82E-04	1.20E-07	3.50E-08
1262	489835.89, 3859076.5	3.50E-04	1.10E-07	3.21E-08	4.28E-04	1.35E-07	3.93E-08	3.76E-04	1.19E-07	3.45E-08
1263	489885.89, 3859076.5	3.45E-04	1.09E-07	3.17E-08	4.22E-04	1.33E-07	3.88E-08	3.71E-04	1.17E-07	3.40E-08
1264	489935.89, 3859076.5	3.40E-04	1.07E-07	3.13E-08	4.17E-04	1.32E-07	3.83E-08	3.66E-04	1.16E-07	3.36E-08
1265	489985.89, 3859076.5	3.36E-04	1.06E-07	3.09E-08	4.12E-04	1.30E-07	3.78E-08	3.62E-04	1.14E-07	3.32E-08
1266	490035.89, 3859076.5	3.32E-04	1.05E-07	3.05E-08	4.06E-04	1.28E-07	3.73E-08	3.57E-04	1.13E-07	3.28E-08
1267	489585.89, 3859126.5	3.46E-04	1.09E-07	3.17E-08	4.24E-04	1.34E-07	3.89E-08	3.72E-04	1.17E-07	3.42E-08
1268	489635.89, 3859126.5	3.42E-04	1.08E-07	3.14E-08	4.19E-04	1.32E-07	3.84E-08	3.68E-04	1.16E-07	3.38E-08
1269	489685.89, 3859126.5	3.38E-04	1.07E-07	3.10E-08	4.14E-04	1.31E-07	3.80E-08	3.64E-04	1.15E-07	3.34E-08
1270	489735.89, 3859126.5	3.34E-04	1.05E-07	3.07E-08	4.09E-04	1.29E-07	3.76E-08	3.59E-04	1.13E-07	3.30E-08
1271	489785.89, 3859126.5	3.30E-04	1.04E-07	3.03E-08	4.04E-04	1.28E-07	3.71E-08	3.55E-04	1.12E-07	3.26E-08
1272	489835.89, 3859126.5	3.26E-04	1.03E-07	3.00E-08	4.00E-04	1.26E-07	3.67E-08	3.51E-04	1.11E-07	3.22E-08
1273	489885.89, 3859126.5	3.23E-04	1.02E-07	2.96E-08	3.95E-04	1.25E-07	3.63E-08	3.47E-04	1.09E-07	3.18E-08
1274	489935.89, 3859126.5	3.19E-04	1.01E-07	2.93E-08	3.91E-04	1.23E-07	3.59E-08	3.43E-04	1.08E-07	3.15E-08
1275	489985.89, 3859126.5	3.16E-04	9.96E-08	2.90E-08	3.87E-04	1.22E-07	3.55E-08	3.39E-04	1.07E-07	3.12E-08
1276	490035.89, 3859126.5	3.12E-04	9.86E-08	2.87E-08	3.83E-04	1.21E-07	3.51E-08	3.36E-04	1.06E-07	3.08E-08
1277	489585.89, 3859176.5	3.18E-04	1.00E-07	2.92E-08	3.90E-04	1.23E-07	3.58E-08	3.42E-04	1.08E-07	3.14E-08

1278	489635.89, 3859176.5	3.16E-04	9.97E-08	2.90E-08	3.87E-04	1.22E-07	3.55E-08	3.40E-04	1.07E-07	3.12E-08
1279	489685.89, 3859176.5	3.13E-04	9.88E-08	2.87E-08	3.83E-04	1.21E-07	3.52E-08	3.37E-04	1.06E-07	3.09E-08
1280	489735.89, 3859176.5	3.10E-04	9.79E-08	2.85E-08	3.80E-04	1.20E-07	3.49E-08	3.34E-04	1.05E-07	3.06E-08
1281	489785.89, 3859176.5	3.08E-04	9.71E-08	2.82E-08	3.77E-04	1.19E-07	3.46E-08	3.31E-04	1.04E-07	3.04E-08
1282	489835.89, 3859176.5	3.05E-04	9.62E-08	2.80E-08	3.73E-04	1.18E-07	3.43E-08	3.28E-04	1.03E-07	3.01E-08
1283	489885.89, 3859176.5	3.02E-04	9.54E-08	2.77E-08	3.70E-04	1.17E-07	3.40E-08	3.25E-04	1.03E-07	2.98E-08
1284	489935.89, 3859176.5	2.99E-04	9.45E-08	2.75E-08	3.67E-04	1.16E-07	3.37E-08	3.22E-04	1.02E-07	2.96E-08
1285	489985.89, 3859176.5	2.97E-04	9.36E-08	2.72E-08	3.63E-04	1.15E-07	3.33E-08	3.19E-04	1.01E-07	2.93E-08
1286	490035.89, 3859176.5	2.94E-04	9.28E-08	2.70E-08	3.60E-04	1.14E-07	3.31E-08	3.16E-04	9.98E-08	2.90E-08
1287	489685.89, 3859226.5	2.91E-04	9.18E-08	2.67E-08	3.56E-04	1.12E-07	3.27E-08	3.13E-04	9.88E-08	2.87E-08
1288	489735.89, 3859226.5	2.89E-04	9.12E-08	2.65E-08	3.54E-04	1.12E-07	3.25E-08	3.11E-04	9.81E-08	2.85E-08
1289	489785.89, 3859226.5	2.87E-04	9.06E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.84E-08
1290	489835.89, 3859226.5	2.85E-04	9.01E-08	2.62E-08	3.50E-04	1.10E-07	3.21E-08	3.07E-04	9.69E-08	2.82E-08
1291	489885.89, 3859226.5	2.83E-04	8.95E-08	2.60E-08	3.47E-04	1.10E-07	3.19E-08	3.05E-04	9.62E-08	2.80E-08
1292	489935.89, 3859226.5	2.81E-04	8.88E-08	2.58E-08	3.45E-04	1.09E-07	3.16E-08	3.03E-04	9.55E-08	2.78E-08
1293	489985.89, 3859226.5	2.79E-04	8.81E-08	2.56E-08	3.42E-04	1.08E-07	3.14E-08	3.00E-04	9.47E-08	2.75E-08
1294	490035.89, 3859226.5	2.77E-04	8.75E-08	2.54E-08	3.39E-04	1.07E-07	3.12E-08	2.98E-04	9.40E-08	2.74E-08
1295	489735.89, 3859276.5	2.70E-04	8.52E-08	2.48E-08	3.31E-04	1.04E-07	3.04E-08	2.90E-04	9.16E-08	2.66E-08
1296	489785.89, 3859276.5	2.69E-04	8.48E-08	2.47E-08	3.29E-04	1.04E-07	3.02E-08	2.89E-04	9.12E-08	2.65E-08
1297	489835.89, 3859276.5	2.68E-04	8.45E-08	2.46E-08	3.28E-04	1.03E-07	3.01E-08	2.88E-04	9.08E-08	2.64E-08
1298	489885.89, 3859276.5	2.66E-04	8.40E-08	2.44E-08	3.26E-04	1.03E-07	2.99E-08	2.86E-04	9.04E-08	2.63E-08
1299	489935.89, 3859276.5	2.65E-04	8.36E-08	2.43E-08	3.25E-04	1.02E-07	2.98E-08	2.85E-04	8.99E-08	2.62E-08
1300	489985.89, 3859276.5	2.63E-04	8.31E-08	2.42E-08	3.22E-04	1.02E-07	2.96E-08	2.83E-04	8.93E-08	2.60E-08
1301	490035.89, 3859276.5	2.62E-04	8.26E-08	2.40E-08	3.21E-04	1.01E-07	2.94E-08	2.81E-04	8.88E-08	2.58E-08
1302	490458.06, 3859590.7	1.87E-04	5.89E-08	1.71E-08	2.29E-04	7.22E-08	2.10E-08	2.01E-04	6.33E-08	1.84E-08
1303	490508.06, 3859590.7	1.87E-04	5.90E-08	1.71E-08	2.29E-04	7.22E-08	2.10E-08	2.01E-04	6.33E-08	1.84E-08
1304	490558.06, 3859590.7	1.87E-04	5.90E-08	1.72E-08	2.29E-04	7.22E-08	2.10E-08	2.01E-04	6.34E-08	1.84E-08
1305	490608.06, 3859590.7	1.87E-04	5.90E-08	1.71E-08	2.29E-04	7.22E-08	2.10E-08	2.01E-04	6.33E-08	1.84E-08
1306	490658.06, 3859590.7	1.87E-04	5.89E-08	1.71E-08	2.29E-04	7.21E-08	2.10E-08	2.01E-04	6.33E-08	1.84E-08
1307	490708.06, 3859590.7	1.86E-04	5.88E-08	1.71E-08	2.28E-04	7.21E-08	2.10E-08	2.00E-04	6.32E-08	1.84E-08
1308	490758.06, 3859590.7	1.86E-04	5.87E-08	1.71E-08	2.28E-04	7.19E-08	2.09E-08	2.00E-04	6.31E-08	1.84E-08
1309	490808.06, 3859590.7	1.86E-04	5.86E-08	1.70E-08	2.27E-04	7.18E-08	2.09E-08	1.99E-04	6.30E-08	1.83E-08
1310	490858.06, 3859590.7	1.85E-04	5.85E-08	1.70E-08	2.27E-04	7.16E-08	2.08E-08	1.99E-04	6.28E-08	1.83E-08
1311	490458.06, 3859640.7	1.79E-04	5.63E-08	1.64E-08	2.19E-04	6.90E-08	2.01E-08	1.92E-04	6.05E-08	1.76E-08
1312	490508.06, 3859640.7	1.79E-04	5.64E-08	1.64E-08	2.19E-04	6.90E-08	2.01E-08	1.92E-04	6.06E-08	1.76E-08
1313	490558.06, 3859640.7	1.79E-04	5.64E-08	1.64E-08	2.19E-04	6.91E-08	2.01E-08	1.92E-04	6.06E-08	1.76E-08
1314	490608.06, 3859640.7	1.79E-04	5.65E-08	1.64E-08	2.19E-04	6.92E-08	2.01E-08	1.92E-04	6.07E-08	1.77E-08
1315	490658.06, 3859640.7	1.79E-04	5.65E-08	1.64E-08	2.19E-04	6.93E-08	2.01E-08	1.93E-04	6.08E-08	1.77E-08
1316	490708.06, 3859640.7	1.79E-04	5.65E-08	1.64E-08	2.19E-04	6.92E-08	2.01E-08	1.92E-04	6.07E-08	1.77E-08
1317	490758.06, 3859640.7	1.79E-04	5.65E-08	1.64E-08	2.19E-04	6.92E-08	2.01E-08	1.92E-04	6.07E-08	1.76E-08
1318	490808.06, 3859640.7	1.79E-04	5.64E-08	1.64E-08	2.19E-04	6.91E-08	2.01E-08	1.92E-04	6.06E-08	1.76E-08
1319	490858.06, 3859640.7	1.78E-04	5.63E-08	1.64E-08	2.19E-04	6.90E-08	2.01E-08	1.92E-04	6.05E-08	1.76E-08
1320	490608.06, 3859690.7	1.71E-04	5.41E-08	1.57E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.82E-08	1.69E-08
1321	490658.06, 3859690.7	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.93E-08	1.85E-04	5.83E-08	1.70E-08
1322	490708.06, 3859690.7	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.94E-08	1.85E-04	5.84E-08	1.70E-08
1323	490758.06, 3859690.7	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.94E-08	1.85E-04	5.84E-08	1.70E-08
1324	490808.06, 3859690.7	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.93E-08	1.85E-04	5.83E-08	1.70E-08
1325	490858.06, 3859690.7	1.72E-04	5.42E-08	1.58E-08	2.10E-04	6.64E-08	1.93E-08	1.85E-04	5.82E-08	1.69E-08
1326	490708.06, 3859740.7	1.65E-04	5.21E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.77E-04	5.60E-08	1.63E-08
1327	490758.06, 3859740.7	1.65E-04	5.22E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.78E-04	5.60E-08	1.63E-08
1328	490808.06, 3859740.7	1.65E-04	5.22E-08	1.52E-08	2.03E-04	6.39E-08	1.86E-08	1.78E-04	5.61E-08	1.63E-08
1329	490858.06, 3859740.7	1.65E-04	5.22E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.78E-04	5.60E-08	1.63E-08
1330	490786.56, 3859749.3	1.64E-04	5.18E-08	1.51E-08	2.01E-04	6.35E-08	1.85E-08	1.76E-04	5.57E-08	1.62E-08
1331	490836.56, 3859749.3	1.64E-04	5.18E-08	1.51E-08	2.01E-04	6.35E-08	1.85E-08	1.76E-04	5.57E-08	1.62E-08
1332	490786.56, 3859799.3	1.57E-04	4.97E-08	1.45E-08	1.93E-04	6.09E-08	1.77E-08	1.69E-04	5.34E-08	1.55E-08
1333	490836.56, 3859799.3	1.58E-04	4.98E-08	1.45E-08	1.93E-04	6.10E-08	1.77E-08	1.69E-04	5.35E-08	1.56E-08
1334	492307.84, 3854508.3	2.36E-04	7.45E-08	2.17E-08	2.89E-04	9.12E-08	2.65E-08	2.54E-04	8.00E-08	2.33E-08
1335	486445.7, 3854753.6	6.65E-04	2.10E-07	6.11E-08	8.15E-04	2.57E-07	7.48E-08	7.12E-04	2.25E-07	6.54E-08
1336	472599.75, 3877830.1	6.35E-06	2.00E-09	5.83E-10	7.78E-06	2.46E-09	7.14E-10	6.83E-06	2.15E-09	6.27E-10
1337	493107.48, 3866840.1	1.98E-05	6.25E-09	1.82E-09	2.42E-05	7.65E-09	2.23E-09	2.12E-05	6.71E-09	1.95E-09
1338	495815.8, 3861662.87	6.10E-05	1.92E-08	5.60E-09	7.47E-05	2.36E-08	6.86E-09	6.54E-05	2.07E-08	6.01E-09

1339	480272.33, 3841389.2	2.09E-06	6.58E-10	1.91E-10	2.55E-06	8.06E-10	2.35E-10	2.24E-06	7.07E-10	2.06E-10
1340	497005.18, 3862813.6	4.25E-05	1.34E-08	3.91E-09	5.21E-05	1.64E-08	4.78E-09	4.57E-05	1.44E-08	4.19E-09
1341	493677.33, 3860302.5	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
1342	493727.33, 3860302.5	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1343	493777.33, 3860302.5	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1344	493827.33, 3860302.5	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
1345	493877.33, 3860302.5	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
1346	493927.33, 3860302.5	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
1347	493977.33, 3860302.5	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
1348	494027.33, 3860302.5	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1349	493677.33, 3860352.5	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
1350	493727.33, 3860352.5	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
1351	493777.33, 3860352.5	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
1352	493827.33, 3860352.5	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
1353	493877.33, 3860352.5	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
1354	493927.33, 3860352.5	1.10E-04	3.47E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
1355	493977.33, 3860352.5	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
1356	494027.33, 3860352.5	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
1357	493677.33, 3860402.5	1.08E-04	3.41E-08	9.92E-09	1.32E-04	4.18E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
1358	493727.33, 3860402.5	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1359	493777.33, 3860402.5	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1360	493827.33, 3860402.5	1.08E-04	3.39E-08	9.87E-09	1.32E-04	4.16E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1361	493877.33, 3860402.5	1.07E-04	3.39E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1362	493927.33, 3860402.5	1.07E-04	3.39E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1363	493977.33, 3860402.5	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1364	494027.33, 3860402.5	1.07E-04	3.38E-08	9.83E-09	1.31E-04	4.14E-08	1.20E-08	1.15E-04	3.63E-08	1.06E-08
1365	493677.33, 3860452.5	1.06E-04	3.33E-08	9.69E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
1366	493727.33, 3860452.5	1.05E-04	3.32E-08	9.66E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1367	493777.33, 3860452.5	1.05E-04	3.32E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1368	493827.33, 3860452.5	1.05E-04	3.32E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1369	493877.33, 3860452.5	1.05E-04	3.31E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.03E-08
1370	493927.33, 3860452.5	1.05E-04	3.32E-08	9.65E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1371	493977.33, 3860452.5	1.05E-04	3.31E-08	9.63E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
1372	494027.33, 3860452.5	1.05E-04	3.30E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
1373	493677.33, 3860502.5	1.03E-04	3.25E-08	9.46E-09	1.26E-04	3.98E-08	1.16E-08	1.11E-04	3.49E-08	1.02E-08
1374	493727.33, 3860502.5	1.03E-04	3.24E-08	9.44E-09	1.26E-04	3.97E-08	1.16E-08	1.10E-04	3.48E-08	1.01E-08
1375	493777.33, 3860502.5	1.03E-04	3.24E-08	9.43E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
1376	493827.33, 3860502.5	1.03E-04	3.24E-08	9.42E-09	1.26E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1377	493877.33, 3860502.5	1.03E-04	3.24E-08	9.42E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
1378	493927.33, 3860502.5	1.03E-04	3.24E-08	9.42E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
1379	493977.33, 3860502.5	1.02E-04	3.23E-08	9.41E-09	1.25E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1380	494027.33, 3860502.5	1.02E-04	3.23E-08	9.39E-09	1.25E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1381	493627.33, 3860552.5	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
1382	493677.33, 3860552.5	1.00E-04	3.17E-08	9.22E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.90E-09
1383	493727.33, 3860552.5	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
1384	493777.33, 3860552.5	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
1385	493827.33, 3860552.5	1.00E-04	3.17E-08	9.21E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
1386	493877.33, 3860552.5	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.07E-04	3.39E-08	9.87E-09
1387	493927.33, 3860552.5	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
1388	493977.33, 3860552.5	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
1389	494027.33, 3860552.5	1.00E-04	3.16E-08	9.18E-09	1.22E-04	3.87E-08	1.12E-08	1.07E-04	3.39E-08	9.86E-09
1390	493627.33, 3860602.5	9.82E-05	3.10E-08	9.01E-09	1.20E-04	3.80E-08	1.10E-08	1.05E-04	3.33E-08	9.68E-09
1391	493727.33, 3860602.5	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
1392	493777.33, 3860602.5	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.64E-09
1393	493827.33, 3860602.5	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
1394	493877.33, 3860602.5	9.79E-05	3.09E-08	8.99E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.65E-09
1395	493927.33, 3860602.5	9.79E-05	3.09E-08	8.99E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.65E-09
1396	493977.33, 3860602.5	9.79E-05	3.09E-08	8.99E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.65E-09
1397	494027.33, 3860602.5	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
1398	493627.33, 3860652.5	9.57E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
1399	493727.33, 3860652.5	9.53E-05	3.01E-08	8.75E-09	1.17E-04	3.68E-08	1.07E-08	1.02E-04	3.23E-08	9.39E-09

1400	493777.33, 3860652.5	9.54E-05	3.01E-08	8.76E-09	1.17E-04	3.69E-08	1.07E-08	1.02E-04	3.23E-08	9.40E-09
1401	493827.33, 3860652.5	9.55E-05	3.01E-08	8.77E-09	1.17E-04	3.69E-08	1.07E-08	1.03E-04	3.24E-08	9.41E-09
1402	493877.33, 3860652.5	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
1403	493927.33, 3860652.5	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
1404	493977.33, 3860652.5	9.56E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.07E-08	1.03E-04	3.24E-08	9.42E-09
1405	494027.33, 3860652.5	9.57E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
1406	494311.06, 3858401.9	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.35E-08	1.26E-08
1407	494361.06, 3858401.9	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
1408	494411.06, 3858401.9	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.21E-08	1.23E-08
1409	494461.06, 3858401.9	1.24E-04	3.90E-08	1.14E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1410	494511.06, 3858401.9	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
1411	494561.06, 3858401.9	1.21E-04	3.83E-08	1.11E-08	1.48E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
1412	494611.06, 3858401.9	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1413	494661.06, 3858401.9	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1414	494711.06, 3858401.9	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
1415	494761.06, 3858401.9	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1416	494811.06, 3858401.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1417	494861.06, 3858401.9	1.12E-04	3.52E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.78E-08	1.10E-08
1418	494911.06, 3858401.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
1419	494961.06, 3858401.9	1.09E-04	3.43E-08	9.98E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
1420	495011.06, 3858401.9	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1421	495061.06, 3858401.9	1.05E-04	3.32E-08	9.67E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
1422	495111.06, 3858401.9	1.03E-04	3.24E-08	9.41E-09	1.26E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1423	495161.06, 3858401.9	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.94E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
1424	495211.06, 3858401.9	9.96E-05	3.14E-08	9.15E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.38E-08	9.82E-09
1425	495261.06, 3858401.9	9.83E-05	3.10E-08	9.03E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.69E-09
1426	495311.06, 3858401.9	9.70E-05	3.06E-08	8.90E-09	1.19E-04	3.75E-08	1.09E-08	1.04E-04	3.29E-08	9.56E-09
1427	495361.06, 3858401.9	9.61E-05	3.03E-08	8.82E-09	1.18E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.47E-09
1428	495411.06, 3858401.9	9.56E-05	3.02E-08	8.77E-09	1.17E-04	3.69E-08	1.07E-08	1.03E-04	3.24E-08	9.42E-09
1429	495461.06, 3858401.9	9.52E-05	3.01E-08	8.74E-09	1.17E-04	3.68E-08	1.07E-08	1.02E-04	3.23E-08	9.38E-09
1430	495511.06, 3858401.9	9.47E-05	2.99E-08	8.70E-09	1.16E-04	3.66E-08	1.07E-08	1.02E-04	3.21E-08	9.34E-09
1431	495561.06, 3858401.9	9.35E-05	2.95E-08	8.58E-09	1.15E-04	3.61E-08	1.05E-08	1.00E-04	3.17E-08	9.22E-09
1432	495611.06, 3858401.9	9.31E-05	2.94E-08	8.54E-09	1.14E-04	3.60E-08	1.05E-08	9.99E-05	3.15E-08	9.17E-09
1433	495661.06, 3858401.9	9.37E-05	2.96E-08	8.60E-09	1.15E-04	3.62E-08	1.05E-08	1.01E-04	3.17E-08	9.23E-09
1434	494311.06, 3858451.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1435	494361.06, 3858451.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
1436	494411.06, 3858451.9	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1437	494461.06, 3858451.9	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
1438	494511.06, 3858451.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1439	494561.06, 3858451.9	1.23E-04	3.90E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
1440	494611.06, 3858451.9	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
1441	494661.06, 3858451.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
1442	494711.06, 3858451.9	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.34E-08	1.27E-04	4.02E-08	1.17E-08
1443	494761.06, 3858451.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1444	494811.06, 3858451.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
1445	494861.06, 3858451.9	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
1446	494911.06, 3858451.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.78E-08	1.10E-08
1447	494961.06, 3858451.9	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
1448	495011.06, 3858451.9	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1449	495061.06, 3858451.9	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1450	495111.06, 3858451.9	1.05E-04	3.31E-08	9.63E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
1451	495161.06, 3858451.9	1.03E-04	3.24E-08	9.43E-09	1.26E-04	3.97E-08	1.16E-08	1.10E-04	3.48E-08	1.01E-08
1452	495211.06, 3858451.9	1.01E-04	3.18E-08	9.25E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.93E-09
1453	495261.06, 3858451.9	9.95E-05	3.14E-08	9.13E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.37E-08	9.80E-09
1454	495311.06, 3858451.9	9.84E-05	3.11E-08	9.04E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.70E-09
1455	495361.06, 3858451.9	9.76E-05	3.08E-08	8.96E-09	1.20E-04	3.77E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
1456	495411.06, 3858451.9	9.72E-05	3.07E-08	8.92E-09	1.19E-04	3.76E-08	1.09E-08	1.04E-04	3.29E-08	9.58E-09
1457	495461.06, 3858451.9	9.69E-05	3.06E-08	8.90E-09	1.19E-04	3.75E-08	1.09E-08	1.04E-04	3.28E-08	9.55E-09
1458	495511.06, 3858451.9	9.59E-05	3.03E-08	8.80E-09	1.17E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.45E-09
1459	495561.06, 3858451.9	9.60E-05	3.03E-08	8.81E-09	1.18E-04	3.71E-08	1.08E-08	1.03E-04	3.25E-08	9.46E-09
1460	495611.06, 3858451.9	9.48E-05	2.99E-08	8.70E-09	1.16E-04	3.66E-08	1.07E-08	1.02E-04	3.21E-08	9.34E-09

1461	495661.06, 3858451.9	9.46E-05	2.99E-08	8.69E-09	1.16E-04	3.66E-08	1.06E-08	1.02E-04	3.21E-08	9.32E-09
1462	494311.06, 3858501.9	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
1463	494361.06, 3858501.9	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
1464	494411.06, 3858501.9	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.97E-08	1.44E-08	1.38E-04	4.35E-08	1.27E-08
1465	494461.06, 3858501.9	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1466	494511.06, 3858501.9	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
1467	494561.06, 3858501.9	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
1468	494611.06, 3858501.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.20E-08	1.22E-08
1469	494661.06, 3858501.9	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1470	494711.06, 3858501.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1471	494761.06, 3858501.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1472	494811.06, 3858501.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.32E-08	1.26E-04	3.96E-08	1.15E-08
1473	494861.06, 3858501.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1474	494911.06, 3858501.9	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1475	494961.06, 3858501.9	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
1476	495011.06, 3858501.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1477	495061.06, 3858501.9	1.08E-04	3.42E-08	9.94E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
1478	495111.06, 3858501.9	1.05E-04	3.33E-08	9.68E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.57E-08	1.04E-08
1479	495161.06, 3858501.9	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
1480	495211.06, 3858501.9	1.02E-04	3.22E-08	9.36E-09	1.25E-04	3.94E-08	1.15E-08	1.09E-04	3.45E-08	1.00E-08
1481	495261.06, 3858501.9	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
1482	495311.06, 3858501.9	1.00E-04	3.15E-08	9.18E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.39E-08	9.85E-09
1483	495361.06, 3858501.9	9.93E-05	3.13E-08	9.12E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.36E-08	9.78E-09
1484	495411.06, 3858501.9	9.89E-05	3.12E-08	9.08E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.74E-09
1485	495461.06, 3858501.9	9.84E-05	3.11E-08	9.04E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.33E-08	9.70E-09
1486	495511.06, 3858501.9	9.78E-05	3.09E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
1487	495561.06, 3858501.9	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
1488	495611.06, 3858501.9	9.67E-05	3.05E-08	8.88E-09	1.18E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.53E-09
1489	495661.06, 3858501.9	9.66E-05	3.05E-08	8.87E-09	1.18E-04	3.73E-08	1.09E-08	1.04E-04	3.27E-08	9.52E-09
1490	494311.06, 3858551.9	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1491	494361.06, 3858551.9	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
1492	494411.06, 3858551.9	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.41E-08	1.28E-08
1493	494461.06, 3858551.9	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
1494	494511.06, 3858551.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1495	494561.06, 3858551.9	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1496	494611.06, 3858551.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
1497	494661.06, 3858551.9	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
1498	494711.06, 3858551.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
1499	494761.06, 3858551.9	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
1500	494811.06, 3858551.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.62E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
1501	494861.06, 3858551.9	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1502	494911.06, 3858551.9	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
1503	494961.06, 3858551.9	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
1504	495011.06, 3858551.9	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
1505	495061.06, 3858551.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
1506	495111.06, 3858551.9	1.07E-04	3.36E-08	9.78E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
1507	495161.06, 3858551.9	1.05E-04	3.31E-08	9.62E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
1508	495211.06, 3858551.9	1.03E-04	3.26E-08	9.47E-09	1.26E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
1509	495261.06, 3858551.9	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
1510	495311.06, 3858551.9	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
1511	495361.06, 3858551.9	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.94E-09
1512	495411.06, 3858551.9	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.91E-09
1513	495461.06, 3858551.9	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.07E-04	3.39E-08	9.86E-09
1514	495511.06, 3858551.9	9.98E-05	3.15E-08	9.16E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.84E-09
1515	495561.06, 3858551.9	9.93E-05	3.13E-08	9.11E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.36E-08	9.78E-09
1516	495611.06, 3858551.9	9.86E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.72E-09
1517	495661.06, 3858551.9	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
1518	494311.06, 3858601.9	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
1519	494361.06, 3858601.9	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.35E-08	1.26E-08
1520	494411.06, 3858601.9	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
1521	494461.06, 3858601.9	1.32E-04	4.18E-08	1.22E-08	1.62E-04	5.12E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08

1522	494511.06, 3858601.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1523	494561.06, 3858601.9	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1524	494611.06, 3858601.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
1525	494661.06, 3858601.9	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1526	494711.06, 3858601.9	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
1527	494761.06, 3858601.9	1.24E-04	3.90E-08	1.14E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1528	494811.06, 3858601.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
1529	494861.06, 3858601.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
1530	494911.06, 3858601.9	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1531	494961.06, 3858601.9	1.15E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1532	495011.06, 3858601.9	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
1533	495061.06, 3858601.9	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
1534	495111.06, 3858601.9	1.07E-04	3.39E-08	9.87E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1535	495161.06, 3858601.9	1.06E-04	3.34E-08	9.72E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
1536	495211.06, 3858601.9	1.05E-04	3.31E-08	9.62E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
1537	495261.06, 3858601.9	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
1538	495311.06, 3858601.9	1.03E-04	3.24E-08	9.44E-09	1.26E-04	3.97E-08	1.16E-08	1.10E-04	3.48E-08	1.01E-08
1539	495361.06, 3858601.9	1.02E-04	3.23E-08	9.40E-09	1.25E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1540	495411.06, 3858601.9	1.02E-04	3.22E-08	9.35E-09	1.25E-04	3.94E-08	1.15E-08	1.09E-04	3.45E-08	1.00E-08
1541	495461.06, 3858601.9	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
1542	495511.06, 3858601.9	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
1543	495561.06, 3858601.9	1.01E-04	3.17E-08	9.23E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.40E-08	9.90E-09
1544	495611.06, 3858601.9	9.95E-05	3.14E-08	9.13E-09	1.22E-04	3.84E-08	1.12E-08	1.07E-04	3.37E-08	9.80E-09
1545	495661.06, 3858601.9	9.92E-05	3.13E-08	9.10E-09	1.21E-04	3.83E-08	1.12E-08	1.06E-04	3.36E-08	9.77E-09
1546	494311.06, 3858651.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.08E-08	1.19E-08
1547	494361.06, 3858651.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.29E-08	1.25E-08
1548	494411.06, 3858651.9	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.43E-04	4.53E-08	1.32E-08
1549	494461.06, 3858651.9	1.34E-04	4.24E-08	1.23E-08	1.64E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
1550	494511.06, 3858651.9	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
1551	494561.06, 3858651.9	1.32E-04	4.18E-08	1.22E-08	1.62E-04	5.12E-08	1.49E-08	1.42E-04	4.49E-08	1.30E-08
1552	494611.06, 3858651.9	1.31E-04	4.15E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
1553	494661.06, 3858651.9	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
1554	494711.06, 3858651.9	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1555	494761.06, 3858651.9	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
1556	494811.06, 3858651.9	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1557	494861.06, 3858651.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
1558	494911.06, 3858651.9	1.18E-04	3.72E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1559	494961.06, 3858651.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1560	495011.06, 3858651.9	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
1561	495061.06, 3858651.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1562	495111.06, 3858651.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1563	495161.06, 3858651.9	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1564	495211.06, 3858651.9	1.06E-04	3.35E-08	9.73E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
1565	495261.06, 3858651.9	1.05E-04	3.33E-08	9.68E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.57E-08	1.04E-08
1566	495311.06, 3858651.9	1.05E-04	3.30E-08	9.60E-09	1.28E-04	4.04E-08	1.18E-08	1.12E-04	3.54E-08	1.03E-08
1567	495361.06, 3858651.9	1.04E-04	3.28E-08	9.55E-09	1.27E-04	4.02E-08	1.17E-08	1.12E-04	3.52E-08	1.03E-08
1568	495411.06, 3858651.9	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
1569	495461.06, 3858651.9	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
1570	495511.06, 3858651.9	1.03E-04	3.24E-08	9.42E-09	1.26E-04	3.97E-08	1.15E-08	1.10E-04	3.48E-08	1.01E-08
1571	495561.06, 3858651.9	1.02E-04	3.21E-08	9.35E-09	1.25E-04	3.94E-08	1.15E-08	1.09E-04	3.45E-08	1.00E-08
1572	495611.06, 3858651.9	1.01E-04	3.18E-08	9.24E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
1573	495661.06, 3858651.9	1.00E-04	3.17E-08	9.21E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
1574	494311.06, 3858701.9	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
1575	494361.06, 3858701.9	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.42E-08	1.29E-08
1576	494411.06, 3858701.9	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1577	494461.06, 3858701.9	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1578	494511.06, 3858701.9	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.22E-08	1.52E-08	1.45E-04	4.57E-08	1.33E-08
1579	494561.06, 3858701.9	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.54E-08	1.32E-08
1580	494611.06, 3858701.9	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
1581	494661.06, 3858701.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
1582	494711.06, 3858701.9	1.25E-04	3.96E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08

1583	494761.06, 3858701.9	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
1584	494811.06, 3858701.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1585	494861.06, 3858701.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
1586	494911.06, 3858701.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1587	494961.06, 3858701.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1588	495011.06, 3858701.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.87E-08	1.12E-08
1589	495061.06, 3858701.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1590	495111.06, 3858701.9	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
1591	495161.06, 3858701.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1592	495211.06, 3858701.9	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1593	495261.06, 3858701.9	1.07E-04	3.38E-08	9.82E-09	1.31E-04	4.14E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1594	495311.06, 3858701.9	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
1595	495361.06, 3858701.9	1.06E-04	3.34E-08	9.72E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
1596	495411.06, 3858701.9	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
1597	495461.06, 3858701.9	1.05E-04	3.32E-08	9.66E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
1598	495511.06, 3858701.9	1.04E-04	3.29E-08	9.58E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
1599	495561.06, 3858701.9	1.03E-04	3.26E-08	9.49E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
1600	495611.06, 3858701.9	1.02E-04	3.23E-08	9.39E-09	1.25E-04	3.96E-08	1.15E-08	1.10E-04	3.47E-08	1.01E-08
1601	495661.06, 3858701.9	1.02E-04	3.21E-08	9.34E-09	1.25E-04	3.93E-08	1.14E-08	1.09E-04	3.45E-08	1.00E-08
1602	494311.06, 3858751.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.20E-08	1.22E-08
1603	494361.06, 3858751.9	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.44E-04	4.53E-08	1.32E-08
1604	494411.06, 3858751.9	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
1605	494461.06, 3858751.9	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1606	494511.06, 3858751.9	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
1607	494561.06, 3858751.9	1.36E-04	4.28E-08	1.24E-08	1.66E-04	5.24E-08	1.52E-08	1.46E-04	4.59E-08	1.34E-08
1608	494611.06, 3858751.9	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
1609	494661.06, 3858751.9	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
1610	494711.06, 3858751.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1611	494761.06, 3858751.9	1.28E-04	4.03E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1612	494811.06, 3858751.9	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.23E-08	1.23E-08
1613	494861.06, 3858751.9	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.74E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
1614	494911.06, 3858751.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1615	494961.06, 3858751.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
1616	495011.06, 3858751.9	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
1617	495061.06, 3858751.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1618	495111.06, 3858751.9	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
1619	495161.06, 3858751.9	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
1620	495211.06, 3858751.9	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.23E-08	1.17E-04	3.69E-08	1.07E-08
1621	495261.06, 3858751.9	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
1622	495311.06, 3858751.9	1.08E-04	3.41E-08	9.92E-09	1.32E-04	4.18E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
1623	495361.06, 3858751.9	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1624	495411.06, 3858751.9	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1625	495461.06, 3858751.9	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1626	495511.06, 3858751.9	1.06E-04	3.35E-08	9.73E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
1627	495561.06, 3858751.9	1.05E-04	3.31E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.03E-08
1628	495611.06, 3858751.9	1.04E-04	3.28E-08	9.55E-09	1.27E-04	4.02E-08	1.17E-08	1.12E-04	3.52E-08	1.03E-08
1629	495661.06, 3858751.9	1.03E-04	3.26E-08	9.48E-09	1.27E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
1630	494311.06, 3858801.9	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.34E-08	1.26E-08
1631	494361.06, 3858801.9	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
1632	494411.06, 3858801.9	1.38E-04	4.35E-08	1.27E-08	1.69E-04	5.33E-08	1.55E-08	1.48E-04	4.67E-08	1.36E-08
1633	494461.06, 3858801.9	1.39E-04	4.37E-08	1.27E-08	1.70E-04	5.36E-08	1.56E-08	1.49E-04	4.69E-08	1.37E-08
1634	494511.06, 3858801.9	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
1635	494561.06, 3858801.9	1.38E-04	4.36E-08	1.27E-08	1.69E-04	5.34E-08	1.55E-08	1.48E-04	4.68E-08	1.36E-08
1636	494611.06, 3858801.9	1.37E-04	4.32E-08	1.26E-08	1.67E-04	5.29E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
1637	494661.06, 3858801.9	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
1638	494711.06, 3858801.9	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.41E-04	4.46E-08	1.30E-08
1639	494761.06, 3858801.9	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1640	494811.06, 3858801.9	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
1641	494861.06, 3858801.9	1.24E-04	3.90E-08	1.14E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1642	494911.06, 3858801.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1643	494961.06, 3858801.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08

1644	495011.06, 3858801.9	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
1645	495061.06, 3858801.9	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1646	495111.06, 3858801.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.21E-04	3.83E-08	1.12E-08
1647	495161.06, 3858801.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1648	495211.06, 3858801.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
1649	495261.06, 3858801.9	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
1650	495311.06, 3858801.9	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
1651	495361.06, 3858801.9	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.23E-08	1.17E-04	3.69E-08	1.07E-08
1652	495411.06, 3858801.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1653	495461.06, 3858801.9	1.09E-04	3.43E-08	9.97E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
1654	495511.06, 3858801.9	1.08E-04	3.39E-08	9.87E-09	1.32E-04	4.16E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
1655	495561.06, 3858801.9	1.07E-04	3.37E-08	9.80E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
1656	495611.06, 3858801.9	1.06E-04	3.33E-08	9.69E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.57E-08	1.04E-08
1657	495661.06, 3858801.9	1.05E-04	3.31E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.03E-08
1658	494311.06, 3858851.9	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
1659	494361.06, 3858851.9	1.41E-04	4.45E-08	1.29E-08	1.73E-04	5.45E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
1660	494411.06, 3858851.9	1.40E-04	4.43E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.75E-08	1.38E-08
1661	494461.06, 3858851.9	1.40E-04	4.43E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.38E-08
1662	494511.06, 3858851.9	1.40E-04	4.42E-08	1.29E-08	1.72E-04	5.42E-08	1.58E-08	1.50E-04	4.75E-08	1.38E-08
1663	494561.06, 3858851.9	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
1664	494611.06, 3858851.9	1.37E-04	4.34E-08	1.26E-08	1.68E-04	5.31E-08	1.55E-08	1.47E-04	4.65E-08	1.35E-08
1665	494661.06, 3858851.9	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1666	494711.06, 3858851.9	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
1667	494761.06, 3858851.9	1.29E-04	4.08E-08	1.19E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
1668	494811.06, 3858851.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
1669	494861.06, 3858851.9	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.23E-08	1.23E-08
1670	494911.06, 3858851.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
1671	494961.06, 3858851.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
1672	495011.06, 3858851.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1673	495061.06, 3858851.9	1.17E-04	3.70E-08	1.07E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
1674	495111.06, 3858851.9	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
1675	495161.06, 3858851.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1676	495211.06, 3858851.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1677	495261.06, 3858851.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1678	495311.06, 3858851.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1679	495361.06, 3858851.9	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
1680	495411.06, 3858851.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
1681	495461.06, 3858851.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
1682	495511.06, 3858851.9	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
1683	495561.06, 3858851.9	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1684	495611.06, 3858851.9	1.06E-04	3.36E-08	9.78E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
1685	495661.06, 3858851.9	1.06E-04	3.35E-08	9.75E-09	1.30E-04	4.11E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
1686	494311.06, 3858901.9	1.40E-04	4.40E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.37E-08
1687	494361.06, 3858901.9	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
1688	494411.06, 3858901.9	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
1689	494461.06, 3858901.9	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.52E-08	1.60E-08	1.53E-04	4.83E-08	1.41E-08
1690	494511.06, 3858901.9	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1691	494561.06, 3858901.9	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.38E-08
1692	494611.06, 3858901.9	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
1693	494661.06, 3858901.9	1.36E-04	4.29E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.60E-08	1.34E-08
1694	494711.06, 3858901.9	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
1695	494761.06, 3858901.9	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
1696	494811.06, 3858901.9	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1697	494861.06, 3858901.9	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
1698	494911.06, 3858901.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1699	494961.06, 3858901.9	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
1700	495011.06, 3858901.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
1701	495061.06, 3858901.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
1702	495111.06, 3858901.9	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
1703	495161.06, 3858901.9	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
1704	495211.06, 3858901.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08

1705	495261.06, 3858901.9	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1706	495311.06, 3858901.9	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
1707	495361.06, 3858901.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1708	495411.06, 3858901.9	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1709	495461.06, 3858901.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1710	495511.06, 3858901.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
1711	495561.06, 3858901.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1712	495611.06, 3858901.9	1.08E-04	3.41E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1713	495661.06, 3858901.9	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
1714	494311.06, 3858951.9	1.44E-04	4.55E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
1715	494361.06, 3858951.9	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.60E-08	1.63E-08	1.56E-04	4.91E-08	1.43E-08
1716	494411.06, 3858951.9	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1717	494461.06, 3858951.9	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1718	494511.06, 3858951.9	1.43E-04	4.51E-08	1.31E-08	1.75E-04	5.52E-08	1.61E-08	1.53E-04	4.84E-08	1.41E-08
1719	494561.06, 3858951.9	1.41E-04	4.46E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.52E-04	4.78E-08	1.39E-08
1720	494611.06, 3858951.9	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
1721	494661.06, 3858951.9	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
1722	494711.06, 3858951.9	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
1723	494761.06, 3858951.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
1724	494811.06, 3858951.9	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
1725	494861.06, 3858951.9	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1726	494911.06, 3858951.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1727	494961.06, 3858951.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
1728	495011.06, 3858951.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1729	495061.06, 3858951.9	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1730	495111.06, 3858951.9	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
1731	495161.06, 3858951.9	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1732	495211.06, 3858951.9	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1733	495261.06, 3858951.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1734	495311.06, 3858951.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1735	495361.06, 3858951.9	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1736	495411.06, 3858951.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.21E-04	3.83E-08	1.12E-08
1737	495461.06, 3858951.9	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
1738	495511.06, 3858951.9	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
1739	495561.06, 3858951.9	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
1740	495611.06, 3858951.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
1741	495661.06, 3858951.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
1742	494311.06, 3859001.9	1.47E-04	4.63E-08	1.35E-08	1.79E-04	5.67E-08	1.65E-08	1.57E-04	4.96E-08	1.44E-08
1743	494361.06, 3859001.9	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.65E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
1744	494411.06, 3859001.9	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.93E-08	1.43E-08
1745	494461.06, 3859001.9	1.45E-04	4.57E-08	1.33E-08	1.77E-04	5.60E-08	1.63E-08	1.55E-04	4.90E-08	1.43E-08
1746	494511.06, 3859001.9	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1747	494561.06, 3859001.9	1.42E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
1748	494611.06, 3859001.9	1.40E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.73E-08	1.37E-08
1749	494661.06, 3859001.9	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1750	494711.06, 3859001.9	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.44E-04	4.53E-08	1.32E-08
1751	494761.06, 3859001.9	1.32E-04	4.16E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
1752	494811.06, 3859001.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1753	494861.06, 3859001.9	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1754	494911.06, 3859001.9	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
1755	494961.06, 3859001.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
1756	495011.06, 3859001.9	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1757	495061.06, 3859001.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1758	495111.06, 3859001.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.87E-08	1.13E-08
1759	495161.06, 3859001.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1760	495211.06, 3859001.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1761	495261.06, 3859001.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1762	495311.06, 3859001.9	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1763	495361.06, 3859001.9	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
1764	495411.06, 3859001.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.87E-08	1.13E-08
1765	495461.06, 3859001.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08

1766	495511.06, 3859001.9	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
1767	495561.06, 3859001.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.78E-08	1.10E-08
1768	495611.06, 3859001.9	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
1769	495661.06, 3859001.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
1770	494311.06, 3859051.9	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
1771	494361.06, 3859051.9	1.48E-04	4.66E-08	1.36E-08	1.81E-04	5.71E-08	1.66E-08	1.59E-04	5.00E-08	1.46E-08
1772	494411.06, 3859051.9	1.47E-04	4.62E-08	1.35E-08	1.79E-04	5.66E-08	1.65E-08	1.57E-04	4.96E-08	1.44E-08
1773	494461.06, 3859051.9	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.61E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
1774	494511.06, 3859051.9	1.43E-04	4.52E-08	1.32E-08	1.76E-04	5.54E-08	1.61E-08	1.54E-04	4.85E-08	1.41E-08
1775	494561.06, 3859051.9	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
1776	494611.06, 3859051.9	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
1777	494661.06, 3859051.9	1.37E-04	4.34E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
1778	494711.06, 3859051.9	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1779	494761.06, 3859051.9	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
1780	494811.06, 3859051.9	1.31E-04	4.14E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
1781	494861.06, 3859051.9	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
1782	494911.06, 3859051.9	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
1783	494961.06, 3859051.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1784	495011.06, 3859051.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1785	495061.06, 3859051.9	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1786	495111.06, 3859051.9	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
1787	495161.06, 3859051.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1788	495211.06, 3859051.9	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
1789	495261.06, 3859051.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.32E-08	1.26E-04	3.96E-08	1.15E-08
1790	495311.06, 3859051.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
1791	495361.06, 3859051.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1792	495411.06, 3859051.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1793	495461.06, 3859051.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1794	495511.06, 3859051.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.23E-04	3.87E-08	1.12E-08
1795	495561.06, 3859051.9	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
1796	495611.06, 3859051.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
1797	495661.06, 3859051.9	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
1798	494311.06, 3859101.9	1.49E-04	4.70E-08	1.37E-08	1.83E-04	5.76E-08	1.68E-08	1.60E-04	5.05E-08	1.47E-08
1799	494361.06, 3859101.9	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
1800	494411.06, 3859101.9	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.69E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
1801	494461.06, 3859101.9	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.94E-08	1.44E-08
1802	494511.06, 3859101.9	1.44E-04	4.53E-08	1.32E-08	1.76E-04	5.55E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1803	494561.06, 3859101.9	1.42E-04	4.48E-08	1.30E-08	1.74E-04	5.49E-08	1.60E-08	1.52E-04	4.81E-08	1.40E-08
1804	494611.06, 3859101.9	1.39E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.72E-08	1.37E-08
1805	494661.06, 3859101.9	1.38E-04	4.35E-08	1.27E-08	1.69E-04	5.33E-08	1.55E-08	1.48E-04	4.67E-08	1.36E-08
1806	494711.06, 3859101.9	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.21E-08	1.52E-08	1.45E-04	4.57E-08	1.33E-08
1807	494761.06, 3859101.9	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.54E-08	1.32E-08
1808	494811.06, 3859101.9	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.47E-08	1.30E-08
1809	494861.06, 3859101.9	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.41E-08	1.28E-08
1810	494911.06, 3859101.9	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1811	494961.06, 3859101.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
1812	495011.06, 3859101.9	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1813	495061.06, 3859101.9	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1814	495111.06, 3859101.9	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
1815	495161.06, 3859101.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1816	495211.06, 3859101.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	3.99E-08	1.16E-08
1817	495261.06, 3859101.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	3.99E-08	1.16E-08
1818	495311.06, 3859101.9	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1819	495361.06, 3859101.9	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1820	495411.06, 3859101.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
1821	495461.06, 3859101.9	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1822	495511.06, 3859101.9	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1823	495561.06, 3859101.9	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1824	495611.06, 3859101.9	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.84E-08	1.12E-08
1825	495661.06, 3859101.9	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
1826	494311.06, 3859151.9	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.77E-08	1.68E-08	1.60E-04	5.06E-08	1.47E-08

1827	494361.06, 3859151.9	1.49E-04	4.69E-08	1.36E-08	1.82E-04	5.74E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
1828	494411.06, 3859151.9	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
1829	494461.06, 3859151.9	1.45E-04	4.59E-08	1.33E-08	1.78E-04	5.62E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
1830	494511.06, 3859151.9	1.43E-04	4.52E-08	1.32E-08	1.75E-04	5.54E-08	1.61E-08	1.54E-04	4.85E-08	1.41E-08
1831	494561.06, 3859151.9	1.42E-04	4.48E-08	1.30E-08	1.74E-04	5.49E-08	1.60E-08	1.52E-04	4.81E-08	1.40E-08
1832	494611.06, 3859151.9	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
1833	494661.06, 3859151.9	1.38E-04	4.37E-08	1.27E-08	1.69E-04	5.35E-08	1.56E-08	1.48E-04	4.69E-08	1.36E-08
1834	494711.06, 3859151.9	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1835	494761.06, 3859151.9	1.35E-04	4.25E-08	1.23E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.56E-08	1.33E-08
1836	494811.06, 3859151.9	1.32E-04	4.18E-08	1.21E-08	1.62E-04	5.12E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
1837	494861.06, 3859151.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
1838	494911.06, 3859151.9	1.28E-04	4.04E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.34E-08	1.26E-08
1839	494961.06, 3859151.9	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.33E-04	4.21E-08	1.23E-08
1840	495011.06, 3859151.9	1.21E-04	3.80E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.08E-08	1.19E-08
1841	495061.06, 3859151.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1842	495111.06, 3859151.9	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1843	495161.06, 3859151.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1844	495211.06, 3859151.9	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1845	495261.06, 3859151.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1846	495311.06, 3859151.9	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
1847	495361.06, 3859151.9	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
1848	495411.06, 3859151.9	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
1849	495461.06, 3859151.9	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.16E-08
1850	495511.06, 3859151.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1851	495561.06, 3859151.9	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
1852	495611.06, 3859151.9	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
1853	495661.06, 3859151.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
1854	494311.06, 3859201.9	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.76E-08	1.68E-08	1.60E-04	5.05E-08	1.47E-08
1855	494361.06, 3859201.9	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.73E-08	1.67E-08	1.59E-04	5.02E-08	1.46E-08
1856	494411.06, 3859201.9	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.97E-08	1.45E-08
1857	494461.06, 3859201.9	1.45E-04	4.57E-08	1.33E-08	1.78E-04	5.60E-08	1.63E-08	1.56E-04	4.91E-08	1.43E-08
1858	494511.06, 3859201.9	1.44E-04	4.53E-08	1.32E-08	1.76E-04	5.55E-08	1.61E-08	1.54E-04	4.86E-08	1.42E-08
1859	494561.06, 3859201.9	1.41E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.79E-08	1.39E-08
1860	494611.06, 3859201.9	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
1861	494661.06, 3859201.9	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.69E-08	1.36E-08
1862	494711.06, 3859201.9	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1863	494761.06, 3859201.9	1.35E-04	4.25E-08	1.24E-08	1.65E-04	5.21E-08	1.51E-08	1.45E-04	4.56E-08	1.33E-08
1864	494811.06, 3859201.9	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.42E-04	4.50E-08	1.31E-08
1865	494861.06, 3859201.9	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.42E-08	1.29E-08
1866	494911.06, 3859201.9	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1867	494961.06, 3859201.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
1868	495011.06, 3859201.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1869	495061.06, 3859201.9	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.37E-08	1.30E-04	4.11E-08	1.20E-08
1870	495111.06, 3859201.9	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
1871	495161.06, 3859201.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1872	495211.06, 3859201.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
1873	495261.06, 3859201.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1874	495311.06, 3859201.9	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
1875	495361.06, 3859201.9	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.18E-08
1876	495411.06, 3859201.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.62E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
1877	495461.06, 3859201.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
1878	495511.06, 3859201.9	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
1879	495561.06, 3859201.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1880	495611.06, 3859201.9	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
1881	495661.06, 3859201.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
1882	494311.06, 3859251.9	1.49E-04	4.69E-08	1.37E-08	1.82E-04	5.75E-08	1.67E-08	1.60E-04	5.04E-08	1.47E-08
1883	494361.06, 3859251.9	1.47E-04	4.65E-08	1.35E-08	1.81E-04	5.70E-08	1.66E-08	1.58E-04	4.99E-08	1.45E-08
1884	494411.06, 3859251.9	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.93E-08	1.43E-08
1885	494461.06, 3859251.9	1.44E-04	4.56E-08	1.33E-08	1.77E-04	5.58E-08	1.62E-08	1.55E-04	4.89E-08	1.42E-08
1886	494511.06, 3859251.9	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1887	494561.06, 3859251.9	1.41E-04	4.45E-08	1.29E-08	1.73E-04	5.45E-08	1.59E-08	1.51E-04	4.78E-08	1.39E-08

1888	494611.06, 3859251.9	1.39E-04	4.39E-08	1.28E-08	1.71E-04	5.38E-08	1.57E-08	1.49E-04	4.72E-08	1.37E-08
1889	494661.06, 3859251.9	1.38E-04	4.36E-08	1.27E-08	1.69E-04	5.34E-08	1.55E-08	1.48E-04	4.68E-08	1.36E-08
1890	494711.06, 3859251.9	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1891	494761.06, 3859251.9	1.34E-04	4.21E-08	1.23E-08	1.64E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.32E-08
1892	494811.06, 3859251.9	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
1893	494861.06, 3859251.9	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
1894	494911.06, 3859251.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.29E-08	1.25E-08
1895	494961.06, 3859251.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1896	495011.06, 3859251.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.21E-08
1897	495061.06, 3859251.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
1898	495111.06, 3859251.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
1899	495161.06, 3859251.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
1900	495211.06, 3859251.9	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
1901	495261.06, 3859251.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1902	495311.06, 3859251.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
1903	495361.06, 3859251.9	1.20E-04	3.80E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
1904	495411.06, 3859251.9	1.20E-04	3.80E-08	1.11E-08	1.48E-04	4.66E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
1905	495461.06, 3859251.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1906	495511.06, 3859251.9	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
1907	495561.06, 3859251.9	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
1908	495611.06, 3859251.9	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
1909	495661.06, 3859251.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
1910	494311.06, 3859301.9	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
1911	494361.06, 3859301.9	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.57E-04	4.97E-08	1.45E-08
1912	494411.06, 3859301.9	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.60E-08	1.63E-08	1.56E-04	4.91E-08	1.43E-08
1913	494461.06, 3859301.9	1.43E-04	4.52E-08	1.32E-08	1.75E-04	5.54E-08	1.61E-08	1.54E-04	4.85E-08	1.41E-08
1914	494511.06, 3859301.9	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
1915	494561.06, 3859301.9	1.40E-04	4.43E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.38E-08
1916	494611.06, 3859301.9	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
1917	494661.06, 3859301.9	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
1918	494711.06, 3859301.9	1.36E-04	4.29E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.60E-08	1.34E-08
1919	494761.06, 3859301.9	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
1920	494811.06, 3859301.9	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.48E-08	1.30E-08
1921	494861.06, 3859301.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
1922	494911.06, 3859301.9	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
1923	494961.06, 3859301.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
1924	495011.06, 3859301.9	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1925	495061.06, 3859301.9	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.33E-04	4.21E-08	1.23E-08
1926	495111.06, 3859301.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
1927	495161.06, 3859301.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
1928	495211.06, 3859301.9	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
1929	495261.06, 3859301.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.14E-08	1.21E-08
1930	495311.06, 3859301.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1931	495361.06, 3859301.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1932	495411.06, 3859301.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
1933	495461.06, 3859301.9	1.20E-04	3.80E-08	1.11E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
1934	495511.06, 3859301.9	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.18E-08
1935	495561.06, 3859301.9	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1936	495611.06, 3859301.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1937	495661.06, 3859301.9	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.93E-08	1.14E-08
1938	494311.06, 3859351.9	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.58E-04	4.97E-08	1.45E-08
1939	494361.06, 3859351.9	1.45E-04	4.59E-08	1.34E-08	1.78E-04	5.62E-08	1.64E-08	1.56E-04	4.93E-08	1.43E-08
1940	494411.06, 3859351.9	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
1941	494461.06, 3859351.9	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1942	494511.06, 3859351.9	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.44E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
1943	494561.06, 3859351.9	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.40E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
1944	494611.06, 3859351.9	1.38E-04	4.37E-08	1.27E-08	1.69E-04	5.35E-08	1.56E-08	1.49E-04	4.69E-08	1.36E-08
1945	494661.06, 3859351.9	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
1946	494711.06, 3859351.9	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1947	494761.06, 3859351.9	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
1948	494811.06, 3859351.9	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.03E-08	1.46E-08	1.40E-04	4.40E-08	1.28E-08

1949	494861.06, 3859351.9	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
1950	494911.06, 3859351.9	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1951	494961.06, 3859351.9	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
1952	495011.06, 3859351.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
1953	495061.06, 3859351.9	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
1954	495111.06, 3859351.9	1.25E-04	3.93E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
1955	495161.06, 3859351.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
1956	495211.06, 3859351.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
1957	495261.06, 3859351.9	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
1958	495311.06, 3859351.9	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
1959	495361.06, 3859351.9	1.21E-04	3.83E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.30E-04	4.11E-08	1.20E-08
1960	495411.06, 3859351.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1961	495461.06, 3859351.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1962	495511.06, 3859351.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.62E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
1963	495561.06, 3859351.9	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
1964	495611.06, 3859351.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.26E-04	3.99E-08	1.16E-08
1965	495661.06, 3859351.9	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
1966	494311.06, 3859401.9	1.46E-04	4.60E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.94E-08	1.44E-08
1967	494361.06, 3859401.9	1.44E-04	4.55E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
1968	494411.06, 3859401.9	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.51E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
1969	494461.06, 3859401.9	1.41E-04	4.45E-08	1.29E-08	1.73E-04	5.45E-08	1.59E-08	1.51E-04	4.78E-08	1.39E-08
1970	494511.06, 3859401.9	1.40E-04	4.42E-08	1.29E-08	1.72E-04	5.42E-08	1.58E-08	1.50E-04	4.75E-08	1.38E-08
1971	494561.06, 3859401.9	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
1972	494611.06, 3859401.9	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
1973	494661.06, 3859401.9	1.37E-04	4.31E-08	1.25E-08	1.67E-04	5.28E-08	1.54E-08	1.47E-04	4.63E-08	1.35E-08
1974	494711.06, 3859401.9	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
1975	494761.06, 3859401.9	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
1976	494811.06, 3859401.9	1.31E-04	4.15E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
1977	494861.06, 3859401.9	1.29E-04	4.07E-08	1.19E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
1978	494911.06, 3859401.9	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
1979	494961.06, 3859401.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
1980	495011.06, 3859401.9	1.26E-04	3.98E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.35E-04	4.28E-08	1.24E-08
1981	495061.06, 3859401.9	1.26E-04	3.97E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.26E-08	1.24E-08
1982	495111.06, 3859401.9	1.25E-04	3.93E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
1983	495161.06, 3859401.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
1984	495211.06, 3859401.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
1985	495261.06, 3859401.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.21E-08
1986	495311.06, 3859401.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
1987	495361.06, 3859401.9	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
1988	495411.06, 3859401.9	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
1989	495461.06, 3859401.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
1990	495511.06, 3859401.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
1991	495561.06, 3859401.9	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
1992	495611.06, 3859401.9	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
1993	495661.06, 3859401.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
1994	494311.06, 3859451.9	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
1995	494361.06, 3859451.9	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.41E-08
1996	494411.06, 3859451.9	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.44E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
1997	494461.06, 3859451.9	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.41E-08	1.57E-08	1.50E-04	4.74E-08	1.38E-08
1998	494511.06, 3859451.9	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.36E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
1999	494561.06, 3859451.9	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
2000	494611.06, 3859451.9	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.29E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
2001	494661.06, 3859451.9	1.36E-04	4.28E-08	1.24E-08	1.66E-04	5.24E-08	1.52E-08	1.45E-04	4.59E-08	1.34E-08
2002	494711.06, 3859451.9	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
2003	494761.06, 3859451.9	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.14E-08	1.50E-08	1.43E-04	4.51E-08	1.31E-08
2004	494811.06, 3859451.9	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
2005	494861.06, 3859451.9	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
2006	494911.06, 3859451.9	1.29E-04	4.06E-08	1.18E-08	1.57E-04	4.97E-08	1.45E-08	1.38E-04	4.35E-08	1.27E-08
2007	494961.06, 3859451.9	1.28E-04	4.03E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2008	495011.06, 3859451.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2009	495061.06, 3859451.9	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08

2010	495111.06, 3859451.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2011	495161.06, 3859451.9	1.25E-04	3.93E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2012	495211.06, 3859451.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2013	495261.06, 3859451.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2014	495311.06, 3859451.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2015	495361.06, 3859451.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
2016	495411.06, 3859451.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
2017	495461.06, 3859451.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
2018	495511.06, 3859451.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2019	495561.06, 3859451.9	1.19E-04	3.75E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2020	495611.06, 3859451.9	1.18E-04	3.72E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
2021	495661.06, 3859451.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2022	494311.06, 3859501.9	1.42E-04	4.50E-08	1.31E-08	1.74E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
2023	494361.06, 3859501.9	1.41E-04	4.45E-08	1.30E-08	1.73E-04	5.46E-08	1.59E-08	1.51E-04	4.78E-08	1.39E-08
2024	494411.06, 3859501.9	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
2025	494461.06, 3859501.9	1.39E-04	4.38E-08	1.27E-08	1.70E-04	5.36E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
2026	494511.06, 3859501.9	1.37E-04	4.34E-08	1.26E-08	1.68E-04	5.31E-08	1.55E-08	1.47E-04	4.66E-08	1.35E-08
2027	494561.06, 3859501.9	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.27E-08	1.53E-08	1.46E-04	4.62E-08	1.34E-08
2028	494611.06, 3859501.9	1.36E-04	4.30E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
2029	494661.06, 3859501.9	1.35E-04	4.25E-08	1.24E-08	1.65E-04	5.21E-08	1.51E-08	1.45E-04	4.56E-08	1.33E-08
2030	494711.06, 3859501.9	1.33E-04	4.20E-08	1.22E-08	1.63E-04	5.14E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
2031	494761.06, 3859501.9	1.32E-04	4.18E-08	1.22E-08	1.62E-04	5.12E-08	1.49E-08	1.42E-04	4.49E-08	1.31E-08
2032	494811.06, 3859501.9	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
2033	494861.06, 3859501.9	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
2034	494911.06, 3859501.9	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
2035	494961.06, 3859501.9	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.31E-08	1.26E-08
2036	495011.06, 3859501.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.29E-08	1.25E-08
2037	495061.06, 3859501.9	1.26E-04	3.98E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2038	495111.06, 3859501.9	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.23E-08	1.23E-08
2039	495161.06, 3859501.9	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2040	495211.06, 3859501.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2041	495261.06, 3859501.9	1.24E-04	3.90E-08	1.13E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
2042	495311.06, 3859501.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2043	495361.06, 3859501.9	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.74E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
2044	495411.06, 3859501.9	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
2045	495461.06, 3859501.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
2046	495511.06, 3859501.9	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
2047	495561.06, 3859501.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
2048	495611.06, 3859501.9	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2049	495661.06, 3859501.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2050	494311.06, 3859551.9	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.44E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
2051	494361.06, 3859551.9	1.39E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.72E-08	1.37E-08
2052	494411.06, 3859551.9	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
2053	494461.06, 3859551.9	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.31E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
2054	494511.06, 3859551.9	1.36E-04	4.29E-08	1.25E-08	1.67E-04	5.26E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
2055	494561.06, 3859551.9	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.22E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
2056	494611.06, 3859551.9	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.56E-08	1.32E-08
2057	494661.06, 3859551.9	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.16E-08	1.50E-08	1.43E-04	4.53E-08	1.32E-08
2058	494711.06, 3859551.9	1.31E-04	4.14E-08	1.21E-08	1.61E-04	5.07E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
2059	494761.06, 3859551.9	1.31E-04	4.15E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.30E-08
2060	494811.06, 3859551.9	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
2061	494861.06, 3859551.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
2062	494911.06, 3859551.9	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2063	494961.06, 3859551.9	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.36E-04	4.31E-08	1.25E-08
2064	495011.06, 3859551.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
2065	495061.06, 3859551.9	1.26E-04	3.97E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.26E-08	1.24E-08
2066	495111.06, 3859551.9	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2067	495161.06, 3859551.9	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.21E-08	1.23E-08
2068	495211.06, 3859551.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.20E-08	1.22E-08
2069	495261.06, 3859551.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.21E-08
2070	495311.06, 3859551.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08

2071	495361.06, 3859551.9	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
2072	495411.06, 3859551.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2073	495461.06, 3859551.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.08E-08	1.19E-08
2074	495511.06, 3859551.9	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
2075	495561.06, 3859551.9	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.34E-08	1.27E-04	4.02E-08	1.17E-08
2076	495611.06, 3859551.9	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
2077	495661.06, 3859551.9	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2078	494311.06, 3859601.9	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
2079	494361.06, 3859601.9	1.37E-04	4.33E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
2080	494411.06, 3859601.9	1.36E-04	4.29E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
2081	494461.06, 3859601.9	1.36E-04	4.28E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.60E-08	1.34E-08
2082	494511.06, 3859601.9	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
2083	494561.06, 3859601.9	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.54E-08	1.32E-08
2084	494611.06, 3859601.9	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
2085	494661.06, 3859601.9	1.32E-04	4.16E-08	1.21E-08	1.61E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
2086	494711.06, 3859601.9	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.41E-08	1.28E-08
2087	494761.06, 3859601.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
2088	494811.06, 3859601.9	1.29E-04	4.08E-08	1.19E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
2089	494861.06, 3859601.9	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.35E-08	1.26E-08
2090	494911.06, 3859601.9	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2091	494961.06, 3859601.9	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2092	495011.06, 3859601.9	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
2093	495061.06, 3859601.9	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
2094	495111.06, 3859601.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.33E-04	4.21E-08	1.23E-08
2095	495161.06, 3859601.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2096	495211.06, 3859601.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
2097	495261.06, 3859601.9	1.23E-04	3.88E-08	1.13E-08	1.50E-04	4.75E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
2098	495311.06, 3859601.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.14E-08	1.21E-08
2099	495361.06, 3859601.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2100	495411.06, 3859601.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
2101	495461.06, 3859601.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2102	495511.06, 3859601.9	1.19E-04	3.75E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2103	495561.06, 3859601.9	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2104	495611.06, 3859601.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2105	495661.06, 3859601.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2106	494311.06, 3859651.9	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.64E-08	1.35E-08
2107	494361.06, 3859651.9	1.35E-04	4.27E-08	1.24E-08	1.66E-04	5.23E-08	1.52E-08	1.45E-04	4.59E-08	1.33E-08
2108	494411.06, 3859651.9	1.35E-04	4.25E-08	1.24E-08	1.65E-04	5.20E-08	1.51E-08	1.44E-04	4.56E-08	1.33E-08
2109	494461.06, 3859651.9	1.34E-04	4.24E-08	1.23E-08	1.64E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
2110	494511.06, 3859651.9	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
2111	494561.06, 3859651.9	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.42E-04	4.50E-08	1.31E-08
2112	494611.06, 3859651.9	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
2113	494661.06, 3859651.9	1.30E-04	4.12E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.42E-08	1.28E-08
2114	494711.06, 3859651.9	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
2115	494761.06, 3859651.9	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
2116	494811.06, 3859651.9	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.38E-04	4.34E-08	1.26E-08
2117	494861.06, 3859651.9	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
2118	494911.06, 3859651.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.29E-08	1.25E-08
2119	494961.06, 3859651.9	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2120	495011.06, 3859651.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2121	495061.06, 3859651.9	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2122	495111.06, 3859651.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2123	495161.06, 3859651.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
2124	495211.06, 3859651.9	1.23E-04	3.88E-08	1.13E-08	1.50E-04	4.75E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
2125	495261.06, 3859651.9	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2126	495311.06, 3859651.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.30E-04	4.12E-08	1.20E-08
2127	495361.06, 3859651.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
2128	495411.06, 3859651.9	1.20E-04	3.80E-08	1.11E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
2129	495461.06, 3859651.9	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.18E-08
2130	495511.06, 3859651.9	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2131	495561.06, 3859651.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	3.99E-08	1.16E-08

2132	495611.06, 3859651.9	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2133	495661.06, 3859651.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2134	494311.06, 3859701.9	1.34E-04	4.24E-08	1.23E-08	1.64E-04	5.19E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
2135	494361.06, 3859701.9	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
2136	494411.06, 3859701.9	1.33E-04	4.19E-08	1.22E-08	1.63E-04	5.13E-08	1.49E-08	1.43E-04	4.50E-08	1.31E-08
2137	494461.06, 3859701.9	1.33E-04	4.19E-08	1.22E-08	1.62E-04	5.13E-08	1.49E-08	1.42E-04	4.49E-08	1.31E-08
2138	494511.06, 3859701.9	1.32E-04	4.16E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
2139	494561.06, 3859701.9	1.31E-04	4.14E-08	1.21E-08	1.61E-04	5.08E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
2140	494611.06, 3859701.9	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
2141	494661.06, 3859701.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.99E-08	1.45E-08	1.39E-04	4.37E-08	1.27E-08
2142	494711.06, 3859701.9	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
2143	494761.06, 3859701.9	1.28E-04	4.03E-08	1.17E-08	1.57E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2144	494811.06, 3859701.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2145	494861.06, 3859701.9	1.27E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
2146	494911.06, 3859701.9	1.26E-04	3.97E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.26E-08	1.24E-08
2147	494961.06, 3859701.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2148	495011.06, 3859701.9	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2149	495061.06, 3859701.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2150	495111.06, 3859701.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2151	495161.06, 3859701.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
2152	495211.06, 3859701.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2153	495261.06, 3859701.9	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
2154	495311.06, 3859701.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
2155	495361.06, 3859701.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
2156	495411.06, 3859701.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
2157	495461.06, 3859701.9	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2158	495511.06, 3859701.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2159	495561.06, 3859701.9	1.17E-04	3.70E-08	1.08E-08	1.43E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2160	495611.06, 3859701.9	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2161	495661.06, 3859701.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2162	494311.06, 3859751.9	1.33E-04	4.19E-08	1.22E-08	1.62E-04	5.13E-08	1.49E-08	1.42E-04	4.49E-08	1.31E-08
2163	494361.06, 3859751.9	1.32E-04	4.16E-08	1.21E-08	1.62E-04	5.10E-08	1.48E-08	1.42E-04	4.47E-08	1.30E-08
2164	494411.06, 3859751.9	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.47E-08	1.41E-04	4.44E-08	1.29E-08
2165	494461.06, 3859751.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
2166	494511.06, 3859751.9	1.30E-04	4.11E-08	1.20E-08	1.60E-04	5.04E-08	1.47E-08	1.40E-04	4.42E-08	1.28E-08
2167	494561.06, 3859751.9	1.30E-04	4.09E-08	1.19E-08	1.59E-04	5.01E-08	1.46E-08	1.39E-04	4.39E-08	1.28E-08
2168	494611.06, 3859751.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
2169	494661.06, 3859751.9	1.28E-04	4.03E-08	1.17E-08	1.56E-04	4.94E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2170	494711.06, 3859751.9	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.31E-08	1.25E-08
2171	494761.06, 3859751.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2172	494811.06, 3859751.9	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2173	494861.06, 3859751.9	1.25E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
2174	494911.06, 3859751.9	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2175	494961.06, 3859751.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2176	495011.06, 3859751.9	1.23E-04	3.90E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.33E-04	4.18E-08	1.22E-08
2177	495061.06, 3859751.9	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.75E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2178	495111.06, 3859751.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.14E-08	1.21E-08
2179	495161.06, 3859751.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2180	495211.06, 3859751.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
2181	495261.06, 3859751.9	1.20E-04	3.80E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
2182	495311.06, 3859751.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
2183	495361.06, 3859751.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2184	495411.06, 3859751.9	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2185	495461.06, 3859751.9	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2186	495511.06, 3859751.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2187	495561.06, 3859751.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
2188	495611.06, 3859751.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2189	495661.06, 3859751.9	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
2190	494311.06, 3859801.9	1.31E-04	4.13E-08	1.20E-08	1.60E-04	5.06E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
2191	494361.06, 3859801.9	1.30E-04	4.11E-08	1.19E-08	1.59E-04	5.03E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
2192	494411.06, 3859801.9	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08

2193	494461.06, 3859801.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
2194	494511.06, 3859801.9	1.29E-04	4.06E-08	1.18E-08	1.57E-04	4.97E-08	1.45E-08	1.38E-04	4.35E-08	1.27E-08
2195	494561.06, 3859801.9	1.28E-04	4.04E-08	1.17E-08	1.57E-04	4.95E-08	1.44E-08	1.37E-04	4.33E-08	1.26E-08
2196	494611.06, 3859801.9	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2197	494661.06, 3859801.9	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
2198	494711.06, 3859801.9	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
2199	494761.06, 3859801.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2200	494811.06, 3859801.9	1.25E-04	3.93E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2201	494861.06, 3859801.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2202	494911.06, 3859801.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
2203	494961.06, 3859801.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
2204	495011.06, 3859801.9	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2205	495061.06, 3859801.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2206	495111.06, 3859801.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
2207	495161.06, 3859801.9	1.20E-04	3.80E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.19E-08
2208	495211.06, 3859801.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2209	495261.06, 3859801.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2210	495311.06, 3859801.9	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2211	495361.06, 3859801.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	3.99E-08	1.16E-08
2212	495411.06, 3859801.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2213	495461.06, 3859801.9	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2214	495511.06, 3859801.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2215	495561.06, 3859801.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
2216	495611.06, 3859801.9	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2217	495661.06, 3859801.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.23E-04	3.87E-08	1.12E-08
2218	494311.06, 3859851.9	1.29E-04	4.07E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
2219	494361.06, 3859851.9	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.34E-08	1.26E-08
2220	494411.06, 3859851.9	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.93E-08	1.43E-08	1.37E-04	4.32E-08	1.26E-08
2221	494461.06, 3859851.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2222	494511.06, 3859851.9	1.26E-04	3.99E-08	1.16E-08	1.55E-04	4.89E-08	1.42E-08	1.36E-04	4.28E-08	1.25E-08
2223	494561.06, 3859851.9	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2224	494611.06, 3859851.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
2225	494661.06, 3859851.9	1.25E-04	3.94E-08	1.14E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2226	494711.06, 3859851.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
2227	494761.06, 3859851.9	1.24E-04	3.90E-08	1.13E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
2228	494811.06, 3859851.9	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.75E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2229	494861.06, 3859851.9	1.22E-04	3.87E-08	1.12E-08	1.50E-04	4.73E-08	1.38E-08	1.31E-04	4.15E-08	1.21E-08
2230	494911.06, 3859851.9	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
2231	494961.06, 3859851.9	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
2232	495011.06, 3859851.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
2233	495061.06, 3859851.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
2234	495111.06, 3859851.9	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
2235	495161.06, 3859851.9	1.19E-04	3.75E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2236	495211.06, 3859851.9	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2237	495261.06, 3859851.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
2238	495311.06, 3859851.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2239	495361.06, 3859851.9	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2240	495411.06, 3859851.9	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.93E-08	1.14E-08
2241	495461.06, 3859851.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2242	495511.06, 3859851.9	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2243	495561.06, 3859851.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.87E-08	1.13E-08
2244	495611.06, 3859851.9	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2245	495661.06, 3859851.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2246	494311.06, 3859901.9	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
2247	494361.06, 3859901.9	1.26E-04	3.98E-08	1.16E-08	1.54E-04	4.87E-08	1.42E-08	1.35E-04	4.27E-08	1.24E-08
2248	494411.06, 3859901.9	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.85E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
2249	494461.06, 3859901.9	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.83E-08	1.41E-08	1.34E-04	4.23E-08	1.23E-08
2250	494511.06, 3859901.9	1.24E-04	3.93E-08	1.14E-08	1.52E-04	4.81E-08	1.40E-08	1.34E-04	4.22E-08	1.23E-08
2251	494561.06, 3859901.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2252	494611.06, 3859901.9	1.23E-04	3.89E-08	1.13E-08	1.51E-04	4.77E-08	1.39E-08	1.32E-04	4.18E-08	1.22E-08
2253	494661.06, 3859901.9	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.75E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08

2254	494711.06, 3859901.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2255	494761.06, 3859901.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2256	494811.06, 3859901.9	1.21E-04	3.83E-08	1.11E-08	1.49E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
2257	494861.06, 3859901.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.09E-08	1.19E-08
2258	494911.06, 3859901.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
2259	494961.06, 3859901.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2260	495011.06, 3859901.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
2261	495061.06, 3859901.9	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2262	495111.06, 3859901.9	1.18E-04	3.72E-08	1.08E-08	1.45E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
2263	495161.06, 3859901.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2264	495211.06, 3859901.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2265	495261.06, 3859901.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2266	495311.06, 3859901.9	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2267	495361.06, 3859901.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2268	495411.06, 3859901.9	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2269	495461.06, 3859901.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.87E-08	1.12E-08
2270	495511.06, 3859901.9	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
2271	495561.06, 3859901.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.12E-08
2272	495611.06, 3859901.9	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.81E-08	1.11E-08
2273	495661.06, 3859901.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2274	494311.06, 3859951.9	1.25E-04	3.94E-08	1.15E-08	1.53E-04	4.82E-08	1.40E-08	1.34E-04	4.23E-08	1.23E-08
2275	494361.06, 3859951.9	1.24E-04	3.92E-08	1.14E-08	1.52E-04	4.80E-08	1.40E-08	1.33E-04	4.21E-08	1.22E-08
2276	494411.06, 3859951.9	1.24E-04	3.90E-08	1.13E-08	1.51E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
2277	494461.06, 3859951.9	1.23E-04	3.88E-08	1.13E-08	1.51E-04	4.76E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
2278	494511.06, 3859951.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
2279	494561.06, 3859951.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.73E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2280	494611.06, 3859951.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.30E-04	4.12E-08	1.20E-08
2281	494661.06, 3859951.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
2282	494711.06, 3859951.9	1.20E-04	3.80E-08	1.11E-08	1.48E-04	4.66E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
2283	494761.06, 3859951.9	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
2284	494811.06, 3859951.9	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
2285	494861.06, 3859951.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.60E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
2286	494911.06, 3859951.9	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2287	494961.06, 3859951.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
2288	495011.06, 3859951.9	1.17E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2289	495061.06, 3859951.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2290	495111.06, 3859951.9	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2291	495161.06, 3859951.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2292	495211.06, 3859951.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.45E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
2293	495261.06, 3859951.9	1.15E-04	3.62E-08	1.05E-08	1.41E-04	4.43E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2294	495311.06, 3859951.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.87E-08	1.13E-08
2295	495361.06, 3859951.9	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2296	495411.06, 3859951.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
2297	495461.06, 3859951.9	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2298	495511.06, 3859951.9	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
2299	495561.06, 3859951.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2300	495611.06, 3859951.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2301	495661.06, 3859951.9	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
2302	494311.06, 3860001.9	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
2303	494361.06, 3860001.9	1.22E-04	3.86E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
2304	494411.06, 3860001.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
2305	494461.06, 3860001.9	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
2306	494511.06, 3860001.9	1.21E-04	3.81E-08	1.11E-08	1.48E-04	4.66E-08	1.36E-08	1.29E-04	4.09E-08	1.19E-08
2307	494561.06, 3860001.9	1.20E-04	3.80E-08	1.10E-08	1.47E-04	4.65E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
2308	494611.06, 3860001.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.29E-04	4.06E-08	1.18E-08
2309	494661.06, 3860001.9	1.19E-04	3.76E-08	1.10E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.18E-08
2310	494711.06, 3860001.9	1.19E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2311	494761.06, 3860001.9	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.16E-08
2312	494811.06, 3860001.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
2313	494861.06, 3860001.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.16E-08
2314	494911.06, 3860001.9	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08

2315	494961.06, 3860001.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
2316	495011.06, 3860001.9	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2317	495061.06, 3860001.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.45E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
2318	495111.06, 3860001.9	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2319	495161.06, 3860001.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.23E-04	3.87E-08	1.12E-08
2320	495211.06, 3860001.9	1.14E-04	3.59E-08	1.04E-08	1.39E-04	4.40E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
2321	495261.06, 3860001.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
2322	495311.06, 3860001.9	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2323	495361.06, 3860001.9	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
2324	495411.06, 3860001.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2325	495461.06, 3860001.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2326	495511.06, 3860001.9	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
2327	495561.06, 3860001.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
2328	495611.06, 3860001.9	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2329	495661.06, 3860001.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
2330	494411.06, 3860051.9	1.20E-04	3.78E-08	1.10E-08	1.47E-04	4.63E-08	1.35E-08	1.28E-04	4.05E-08	1.18E-08
2331	494461.06, 3860051.9	1.19E-04	3.76E-08	1.09E-08	1.46E-04	4.61E-08	1.34E-08	1.28E-04	4.04E-08	1.17E-08
2332	494511.06, 3860051.9	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.33E-08	1.27E-04	4.02E-08	1.17E-08
2333	494561.06, 3860051.9	1.18E-04	3.73E-08	1.09E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
2334	494611.06, 3860051.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.99E-08	1.16E-08
2335	494661.06, 3860051.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2336	494711.06, 3860051.9	1.17E-04	3.69E-08	1.07E-08	1.43E-04	4.52E-08	1.31E-08	1.25E-04	3.96E-08	1.15E-08
2337	494761.06, 3860051.9	1.16E-04	3.67E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2338	494811.06, 3860051.9	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
2339	494861.06, 3860051.9	1.16E-04	3.65E-08	1.06E-08	1.41E-04	4.47E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2340	494911.06, 3860051.9	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.23E-04	3.90E-08	1.13E-08
2341	494961.06, 3860051.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2342	495011.06, 3860051.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2343	495061.06, 3860051.9	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.84E-08	1.12E-08
2344	495111.06, 3860051.9	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2345	495161.06, 3860051.9	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
2346	495211.06, 3860051.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2347	495261.06, 3860051.9	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2348	495311.06, 3860051.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
2349	495361.06, 3860051.9	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
2350	495411.06, 3860051.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
2351	495461.06, 3860051.9	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.72E-08	1.08E-08
2352	495511.06, 3860051.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
2353	495561.06, 3860051.9	1.09E-04	3.44E-08	9.99E-09	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
2354	495611.06, 3860051.9	1.08E-04	3.42E-08	9.95E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
2355	495661.06, 3860051.9	1.08E-04	3.41E-08	9.91E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
2356	494411.06, 3860101.9	1.18E-04	3.71E-08	1.08E-08	1.44E-04	4.55E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
2357	494461.06, 3860101.9	1.17E-04	3.70E-08	1.08E-08	1.44E-04	4.53E-08	1.32E-08	1.26E-04	3.97E-08	1.15E-08
2358	494511.06, 3860101.9	1.17E-04	3.68E-08	1.07E-08	1.43E-04	4.51E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2359	494561.06, 3860101.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2360	494611.06, 3860101.9	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
2361	494661.06, 3860101.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2362	494711.06, 3860101.9	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2363	494761.06, 3860101.9	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2364	494811.06, 3860101.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2365	494861.06, 3860101.9	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
2366	494911.06, 3860101.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2367	494961.06, 3860101.9	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2368	495011.06, 3860101.9	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.34E-08	1.26E-08	1.20E-04	3.80E-08	1.11E-08
2369	495061.06, 3860101.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2370	495111.06, 3860101.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2371	495161.06, 3860101.9	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.28E-08	1.25E-08	1.19E-04	3.75E-08	1.09E-08
2372	495211.06, 3860101.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
2373	495261.06, 3860101.9	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2374	495311.06, 3860101.9	1.09E-04	3.46E-08	1.01E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2375	495361.06, 3860101.9	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.69E-08	1.07E-08

2376	495411.06, 3860101.9	1.09E-04	3.43E-08	9.97E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
2377	495461.06, 3860101.9	1.08E-04	3.41E-08	9.93E-09	1.32E-04	4.18E-08	1.22E-08	1.16E-04	3.66E-08	1.07E-08
2378	495511.06, 3860101.9	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
2379	495561.06, 3860101.9	1.07E-04	3.39E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
2380	495611.06, 3860101.9	1.07E-04	3.37E-08	9.81E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
2381	495661.06, 3860101.9	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.11E-08	1.20E-08	1.14E-04	3.60E-08	1.05E-08
2382	494861.06, 3860151.9	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.78E-08	1.10E-08
2383	494911.06, 3860151.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2384	494961.06, 3860151.9	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
2385	495011.06, 3860151.9	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2386	495061.06, 3860151.9	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
2387	495111.06, 3860151.9	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2388	495161.06, 3860151.9	1.09E-04	3.44E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
2389	495211.06, 3860151.9	1.09E-04	3.43E-08	9.98E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
2390	495261.06, 3860151.9	1.08E-04	3.42E-08	9.94E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
2391	495311.06, 3860151.9	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
2392	495361.06, 3860151.9	1.07E-04	3.39E-08	9.86E-09	1.32E-04	4.15E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
2393	495411.06, 3860151.9	1.07E-04	3.38E-08	9.82E-09	1.31E-04	4.14E-08	1.20E-08	1.15E-04	3.63E-08	1.05E-08
2394	495461.06, 3860151.9	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2395	495511.06, 3860151.9	1.06E-04	3.35E-08	9.75E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
2396	495561.06, 3860151.9	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.58E-08	1.04E-08
2397	495611.06, 3860151.9	1.05E-04	3.32E-08	9.67E-09	1.29E-04	4.07E-08	1.18E-08	1.13E-04	3.57E-08	1.04E-08
2398	495661.06, 3860151.9	1.05E-04	3.31E-08	9.63E-09	1.28E-04	4.05E-08	1.18E-08	1.13E-04	3.55E-08	1.03E-08
2399	495718.25, 3859442.9	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.93E-08	1.14E-08
2400	495818.25, 3859442.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.41E-08	1.28E-08	1.23E-04	3.87E-08	1.13E-08
2401	495918.25, 3859442.9	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2402	496018.25, 3859442.9	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2403	496118.25, 3859442.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2404	496218.25, 3859442.9	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
2405	496318.25, 3859442.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
2406	496418.25, 3859442.9	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2407	495718.25, 3859542.9	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
2408	495818.25, 3859542.9	1.15E-04	3.63E-08	1.05E-08	1.41E-04	4.44E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
2409	495918.25, 3859542.9	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
2410	496018.25, 3859542.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2411	496118.25, 3859542.9	1.12E-04	3.54E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.80E-08	1.10E-08
2412	496218.25, 3859542.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2413	496318.25, 3859542.9	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
2414	496418.25, 3859542.9	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2415	495718.25, 3859642.9	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2416	495818.25, 3859642.9	1.14E-04	3.60E-08	1.05E-08	1.40E-04	4.40E-08	1.28E-08	1.22E-04	3.86E-08	1.12E-08
2417	495918.25, 3859642.9	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2418	496018.25, 3859642.9	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2419	496118.25, 3859642.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2420	496218.25, 3859642.9	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2421	496318.25, 3859642.9	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2422	496418.25, 3859642.9	1.07E-04	3.38E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.63E-08	1.06E-08
2423	495718.25, 3859742.9	1.15E-04	3.61E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
2424	495818.25, 3859742.9	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
2425	495918.25, 3859742.9	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2426	496018.25, 3859742.9	1.11E-04	3.49E-08	1.02E-08	1.35E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
2427	496118.25, 3859742.9	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2428	496218.25, 3859742.9	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2429	496318.25, 3859742.9	1.08E-04	3.41E-08	9.93E-09	1.32E-04	4.18E-08	1.22E-08	1.16E-04	3.66E-08	1.07E-08
2430	496418.25, 3859742.9	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
2431	495718.25, 3859842.9	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2432	495818.25, 3859842.9	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
2433	495918.25, 3859842.9	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
2434	496018.25, 3859842.9	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2435	496118.25, 3859842.9	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2436	496218.25, 3859842.9	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08

2437	496318.25, 3859842.9	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.52E-08	1.02E-08
2438	496418.25, 3859842.9	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.94E-09
2439	495718.25, 3859942.9	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
2440	495818.25, 3859942.9	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
2441	495918.25, 3859942.9	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
2442	496018.25, 3859942.9	1.08E-04	3.41E-08	9.91E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
2443	496118.25, 3859942.9	1.07E-04	3.36E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2444	496218.25, 3859942.9	1.04E-04	3.30E-08	9.59E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
2445	496318.25, 3859942.9	1.02E-04	3.22E-08	9.36E-09	1.25E-04	3.94E-08	1.15E-08	1.09E-04	3.46E-08	1.00E-08
2446	496418.25, 3859942.9	9.82E-05	3.10E-08	9.01E-09	1.20E-04	3.80E-08	1.10E-08	1.05E-04	3.33E-08	9.68E-09
2447	496856.82, 3858864.8	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
2448	496956.82, 3858864.8	9.63E-05	3.04E-08	8.85E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
2449	497056.82, 3858864.8	9.50E-05	3.00E-08	8.72E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.22E-08	9.36E-09
2450	497156.82, 3858864.8	9.33E-05	2.94E-08	8.56E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.19E-09
2451	497256.82, 3858864.8	9.28E-05	2.93E-08	8.52E-09	1.14E-04	3.59E-08	1.04E-08	9.96E-05	3.14E-08	9.14E-09
2452	496856.82, 3858964.8	9.98E-05	3.15E-08	9.16E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.83E-09
2453	496956.82, 3858964.8	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
2454	497056.82, 3858964.8	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.48E-09
2455	497156.82, 3858964.8	9.46E-05	2.99E-08	8.69E-09	1.16E-04	3.66E-08	1.06E-08	1.02E-04	3.21E-08	9.32E-09
2456	497256.82, 3858964.8	9.54E-05	3.01E-08	8.76E-09	1.17E-04	3.69E-08	1.07E-08	1.02E-04	3.23E-08	9.40E-09
2457	496856.82, 3859064.8	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
2458	496956.82, 3859064.8	9.86E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.71E-09
2459	497056.82, 3859064.8	9.73E-05	3.07E-08	8.93E-09	1.19E-04	3.76E-08	1.09E-08	1.04E-04	3.30E-08	9.58E-09
2460	497156.82, 3859064.8	9.61E-05	3.03E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.47E-09
2461	497256.82, 3859064.8	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
2462	496856.82, 3859164.8	9.95E-05	3.14E-08	9.14E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.37E-08	9.81E-09
2463	496956.82, 3859164.8	9.78E-05	3.09E-08	8.98E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.64E-09
2464	497056.82, 3859164.8	9.72E-05	3.07E-08	8.92E-09	1.19E-04	3.76E-08	1.09E-08	1.04E-04	3.29E-08	9.57E-09
2465	497156.82, 3859164.8	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
2466	497256.82, 3859164.8	9.95E-05	3.14E-08	9.14E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.37E-08	9.81E-09
2467	496856.82, 3859264.8	9.82E-05	3.10E-08	9.01E-09	1.20E-04	3.79E-08	1.10E-08	1.05E-04	3.32E-08	9.67E-09
2468	496956.82, 3859264.8	9.79E-05	3.09E-08	8.99E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.32E-08	9.65E-09
2469	497056.82, 3859264.8	9.85E-05	3.11E-08	9.04E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.71E-09
2470	497156.82, 3859264.8	9.89E-05	3.12E-08	9.08E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
2471	497256.82, 3859264.8	1.00E-04	3.17E-08	9.21E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
2472	497088.92, 3858620.9	8.94E-05	2.82E-08	8.21E-09	1.09E-04	3.46E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
2473	497138.92, 3858620.9	8.93E-05	2.82E-08	8.19E-09	1.09E-04	3.45E-08	1.00E-08	9.58E-05	3.02E-08	8.80E-09
2474	497188.92, 3858620.9	8.85E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.95E-09	9.50E-05	3.00E-08	8.72E-09
2475	497238.92, 3858620.9	8.81E-05	2.78E-08	8.09E-09	1.08E-04	3.40E-08	9.90E-09	9.46E-05	2.98E-08	8.68E-09
2476	497088.92, 3858670.9	8.94E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
2477	497138.92, 3858670.9	8.97E-05	2.83E-08	8.24E-09	1.10E-04	3.47E-08	1.01E-08	9.63E-05	3.04E-08	8.84E-09
2478	497188.92, 3858670.9	8.89E-05	2.81E-08	8.16E-09	1.09E-04	3.44E-08	1.00E-08	9.55E-05	3.01E-08	8.76E-09
2479	497238.92, 3858670.9	8.88E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.53E-05	3.01E-08	8.75E-09
2480	497088.92, 3858720.9	9.13E-05	2.88E-08	8.38E-09	1.12E-04	3.53E-08	1.03E-08	9.80E-05	3.09E-08	8.99E-09
2481	497138.92, 3858720.9	8.91E-05	2.81E-08	8.18E-09	1.09E-04	3.44E-08	1.00E-08	9.56E-05	3.02E-08	8.78E-09
2482	497188.92, 3858720.9	8.86E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.96E-09	9.51E-05	3.00E-08	8.73E-09
2483	497238.92, 3858720.9	8.97E-05	2.83E-08	8.24E-09	1.10E-04	3.47E-08	1.01E-08	9.63E-05	3.04E-08	8.84E-09
2484	497088.92, 3858770.9	9.17E-05	2.89E-08	8.42E-09	1.12E-04	3.55E-08	1.03E-08	9.85E-05	3.11E-08	9.04E-09
2485	497138.92, 3858770.9	9.08E-05	2.87E-08	8.34E-09	1.11E-04	3.51E-08	1.02E-08	9.75E-05	3.08E-08	8.95E-09
2486	497188.92, 3858770.9	9.02E-05	2.85E-08	8.28E-09	1.10E-04	3.49E-08	1.01E-08	9.68E-05	3.06E-08	8.89E-09
2487	497238.92, 3858770.9	9.07E-05	2.86E-08	8.33E-09	1.11E-04	3.51E-08	1.02E-08	9.74E-05	3.07E-08	8.94E-09
2488	497396.65, 3858622.6	9.15E-05	2.89E-08	8.40E-09	1.12E-04	3.54E-08	1.03E-08	9.82E-05	3.10E-08	9.02E-09
2489	497496.65, 3858622.6	9.33E-05	2.95E-08	8.57E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
2490	497596.65, 3858622.6	9.68E-05	3.06E-08	8.89E-09	1.19E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.54E-09
2491	497696.65, 3858622.6	9.76E-05	3.08E-08	8.96E-09	1.20E-04	3.77E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
2492	497796.65, 3858622.6	9.96E-05	3.14E-08	9.14E-09	1.22E-04	3.85E-08	1.12E-08	1.07E-04	3.37E-08	9.82E-09
2493	497896.65, 3858622.6	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
2494	497396.65, 3858722.6	9.37E-05	2.96E-08	8.60E-09	1.15E-04	3.62E-08	1.05E-08	1.01E-04	3.17E-08	9.23E-09
2495	497496.65, 3858722.6	9.55E-05	3.01E-08	8.77E-09	1.17E-04	3.69E-08	1.07E-08	1.03E-04	3.24E-08	9.41E-09
2496	497596.65, 3858722.6	9.86E-05	3.11E-08	9.05E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.72E-09
2497	497696.65, 3858722.6	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09

2498	497796.65, 3858722.6	1.01E-04	3.19E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.95E-09
2499	497896.65, 3858722.6	1.02E-04	3.22E-08	9.38E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
2500	497396.65, 3858822.6	9.49E-05	2.99E-08	8.71E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.21E-08	9.35E-09
2501	497496.65, 3858822.6	9.63E-05	3.04E-08	8.84E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.49E-09
2502	497596.65, 3858822.6	9.99E-05	3.15E-08	9.18E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.39E-08	9.85E-09
2503	497696.65, 3858822.6	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.95E-09
2504	497796.65, 3858822.6	1.02E-04	3.21E-08	9.33E-09	1.25E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
2505	497896.65, 3858822.6	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
2506	497396.65, 3858922.6	9.62E-05	3.04E-08	8.83E-09	1.18E-04	3.72E-08	1.08E-08	1.03E-04	3.26E-08	9.48E-09
2507	497496.65, 3858922.6	9.92E-05	3.13E-08	9.10E-09	1.21E-04	3.83E-08	1.12E-08	1.06E-04	3.36E-08	9.77E-09
2508	497596.65, 3858922.6	9.89E-05	3.12E-08	9.08E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
2509	497696.65, 3858922.6	1.02E-04	3.23E-08	9.38E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
2510	497796.65, 3858922.6	1.04E-04	3.27E-08	9.51E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
2511	497896.65, 3858922.6	1.06E-04	3.35E-08	9.74E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.59E-08	1.05E-08
2512	497364.44, 3858201.5	8.75E-05	2.76E-08	8.04E-09	1.07E-04	3.38E-08	9.84E-09	9.40E-05	2.97E-08	8.63E-09
2513	497414.44, 3858201.5	8.85E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.96E-09	9.51E-05	3.00E-08	8.73E-09
2514	497464.44, 3858201.5	8.94E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
2515	497514.44, 3858201.5	8.97E-05	2.83E-08	8.23E-09	1.10E-04	3.47E-08	1.01E-08	9.63E-05	3.04E-08	8.84E-09
2516	497564.44, 3858201.5	8.93E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.80E-09
2517	497614.44, 3858201.5	8.95E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
2518	497364.44, 3858251.5	8.90E-05	2.81E-08	8.17E-09	1.09E-04	3.44E-08	1.00E-08	9.55E-05	3.01E-08	8.77E-09
2519	497414.44, 3858251.5	9.03E-05	2.85E-08	8.29E-09	1.11E-04	3.49E-08	1.01E-08	9.69E-05	3.06E-08	8.90E-09
2520	497464.44, 3858251.5	8.95E-05	2.83E-08	8.22E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
2521	497514.44, 3858251.5	8.86E-05	2.80E-08	8.13E-09	1.09E-04	3.42E-08	9.96E-09	9.51E-05	3.00E-08	8.73E-09
2522	497564.44, 3858251.5	8.83E-05	2.79E-08	8.11E-09	1.08E-04	3.41E-08	9.93E-09	9.48E-05	2.99E-08	8.70E-09
2523	497614.44, 3858251.5	8.80E-05	2.78E-08	8.08E-09	1.08E-04	3.40E-08	9.90E-09	9.45E-05	2.98E-08	8.68E-09
2524	497364.44, 3858301.5	8.92E-05	2.82E-08	8.19E-09	1.09E-04	3.45E-08	1.00E-08	9.58E-05	3.02E-08	8.80E-09
2525	497414.44, 3858301.5	9.00E-05	2.84E-08	8.26E-09	1.10E-04	3.48E-08	1.01E-08	9.66E-05	3.05E-08	8.87E-09
2526	497464.44, 3858301.5	8.90E-05	2.81E-08	8.17E-09	1.09E-04	3.44E-08	1.00E-08	9.56E-05	3.02E-08	8.77E-09
2527	497514.44, 3858301.5	8.84E-05	2.79E-08	8.11E-09	1.08E-04	3.42E-08	9.94E-09	9.49E-05	2.99E-08	8.71E-09
2528	497564.44, 3858301.5	8.74E-05	2.76E-08	8.02E-09	1.07E-04	3.38E-08	9.82E-09	9.38E-05	2.96E-08	8.61E-09
2529	497614.44, 3858301.5	8.71E-05	2.75E-08	7.99E-09	1.07E-04	3.37E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
2530	497364.44, 3858351.5	8.96E-05	2.83E-08	8.23E-09	1.10E-04	3.47E-08	1.01E-08	9.62E-05	3.04E-08	8.84E-09
2531	497414.44, 3858351.5	8.90E-05	2.81E-08	8.17E-09	1.09E-04	3.44E-08	1.00E-08	9.56E-05	3.02E-08	8.78E-09
2532	497464.44, 3858351.5	8.88E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.53E-05	3.01E-08	8.75E-09
2533	497514.44, 3858351.5	8.83E-05	2.79E-08	8.10E-09	1.08E-04	3.41E-08	9.93E-09	9.48E-05	2.99E-08	8.70E-09
2534	497564.44, 3858351.5	8.71E-05	2.75E-08	7.99E-09	1.07E-04	3.37E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
2535	497614.44, 3858351.5	8.68E-05	2.74E-08	7.97E-09	1.06E-04	3.35E-08	9.76E-09	9.32E-05	2.94E-08	8.55E-09
2536	497364.44, 3858401.5	8.87E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.97E-09	9.52E-05	3.00E-08	8.74E-09
2537	497414.44, 3858401.5	8.86E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.96E-09	9.51E-05	3.00E-08	8.73E-09
2538	497464.44, 3858401.5	8.79E-05	2.77E-08	8.07E-09	1.08E-04	3.40E-08	9.88E-09	9.43E-05	2.98E-08	8.66E-09
2539	497514.44, 3858401.5	8.75E-05	2.76E-08	8.04E-09	1.07E-04	3.38E-08	9.84E-09	9.40E-05	2.97E-08	8.63E-09
2540	497564.44, 3858401.5	8.84E-05	2.79E-08	8.12E-09	1.08E-04	3.42E-08	9.94E-09	9.49E-05	3.00E-08	8.72E-09
2541	497614.44, 3858401.5	8.93E-05	2.82E-08	8.20E-09	1.09E-04	3.45E-08	1.00E-08	9.59E-05	3.03E-08	8.81E-09
2542	493478.11, 3860497.9	1.04E-04	3.27E-08	9.51E-09	1.27E-04	4.01E-08	1.16E-08	1.11E-04	3.51E-08	1.02E-08
2543	493528.11, 3860497.9	1.03E-04	3.27E-08	9.50E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.51E-08	1.02E-08
2544	493478.11, 3860547.9	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.95E-09
2545	493528.11, 3860547.9	1.01E-04	3.18E-08	9.26E-09	1.24E-04	3.90E-08	1.13E-08	1.08E-04	3.42E-08	9.94E-09
2546	493478.11, 3860597.9	9.85E-05	3.11E-08	9.04E-09	1.21E-04	3.81E-08	1.11E-08	1.06E-04	3.34E-08	9.70E-09
2547	493528.11, 3860597.9	9.84E-05	3.10E-08	9.03E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.69E-09
2548	493561.88, 3860524.6	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.94E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
2549	493591.88, 3860524.6	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
2550	493561.88, 3860554.6	1.00E-04	3.17E-08	9.23E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.90E-09
2551	493591.88, 3860554.6	1.01E-04	3.17E-08	9.23E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.91E-09
2552	492880.5, 3860293.11	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
2553	492930.5, 3860293.11	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.45E-08	1.30E-08	1.24E-04	3.90E-08	1.14E-08
2554	492980.5, 3860293.11	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2555	493030.5, 3860293.11	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.25E-04	3.93E-08	1.14E-08
2556	493080.5, 3860293.11	1.16E-04	3.68E-08	1.07E-08	1.43E-04	4.50E-08	1.31E-08	1.25E-04	3.95E-08	1.15E-08
2557	493130.5, 3860293.11	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.30E-08	1.25E-04	3.93E-08	1.14E-08
2558	493180.5, 3860293.11	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08

2559	493230.5, 3860293.11	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2560	493280.5, 3860293.11	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2561	493330.5, 3860293.11	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
2562	493380.5, 3860293.11	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08
2563	492880.5, 3860343.11	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2564	492930.5, 3860343.11	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
2565	492980.5, 3860343.11	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2566	493030.5, 3860343.11	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2567	493080.5, 3860343.11	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
2568	493130.5, 3860343.11	1.13E-04	3.57E-08	1.04E-08	1.39E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.12E-08
2569	493180.5, 3860343.11	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2570	493230.5, 3860343.11	1.12E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.26E-08	1.21E-04	3.81E-08	1.11E-08
2571	493280.5, 3860343.11	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2572	493330.5, 3860343.11	1.13E-04	3.56E-08	1.04E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2573	493380.5, 3860343.11	1.13E-04	3.56E-08	1.03E-08	1.38E-04	4.36E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
2574	492880.5, 3860393.11	1.09E-04	3.43E-08	9.97E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
2575	492930.5, 3860393.11	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
2576	492980.5, 3860393.11	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
2577	493030.5, 3860393.11	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2578	493080.5, 3860393.11	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.74E-08	1.09E-08
2579	493130.5, 3860393.11	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
2580	493180.5, 3860393.11	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2581	493230.5, 3860393.11	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.24E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
2582	493280.5, 3860393.11	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.72E-08	1.08E-08
2583	493330.5, 3860393.11	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
2584	493380.5, 3860393.11	1.10E-04	3.47E-08	1.01E-08	1.35E-04	4.25E-08	1.24E-08	1.18E-04	3.73E-08	1.08E-08
2585	492880.5, 3860443.11	1.06E-04	3.33E-08	9.70E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
2586	492930.5, 3860443.11	1.06E-04	3.34E-08	9.71E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.58E-08	1.04E-08
2587	492980.5, 3860443.11	1.06E-04	3.35E-08	9.74E-09	1.30E-04	4.10E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
2588	493030.5, 3860443.11	1.07E-04	3.36E-08	9.78E-09	1.30E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2589	493080.5, 3860443.11	1.07E-04	3.37E-08	9.79E-09	1.31E-04	4.12E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2590	493130.5, 3860443.11	1.07E-04	3.37E-08	9.80E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
2591	493180.5, 3860443.11	1.06E-04	3.36E-08	9.77E-09	1.30E-04	4.11E-08	1.20E-08	1.14E-04	3.61E-08	1.05E-08
2592	493230.5, 3860443.11	1.07E-04	3.37E-08	9.80E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
2593	493280.5, 3860443.11	1.07E-04	3.38E-08	9.82E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
2594	493330.5, 3860443.11	1.07E-04	3.39E-08	9.85E-09	1.31E-04	4.15E-08	1.21E-08	1.15E-04	3.63E-08	1.06E-08
2595	493380.5, 3860443.11	1.07E-04	3.38E-08	9.84E-09	1.31E-04	4.14E-08	1.20E-08	1.15E-04	3.63E-08	1.06E-08
2596	493180.5, 3860493.11	1.04E-04	3.27E-08	9.52E-09	1.27E-04	4.01E-08	1.17E-08	1.11E-04	3.51E-08	1.02E-08
2597	493230.5, 3860493.11	1.04E-04	3.28E-08	9.54E-09	1.27E-04	4.02E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
2598	493280.5, 3860493.11	1.04E-04	3.29E-08	9.57E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
2599	493330.5, 3860493.11	1.04E-04	3.29E-08	9.58E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
2600	493380.5, 3860493.11	1.04E-04	3.29E-08	9.57E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
2601	493330.5, 3860543.11	1.02E-04	3.21E-08	9.33E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
2602	493380.5, 3860543.11	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
2603	494135.94, 3860876.8	8.59E-05	2.71E-08	7.88E-09	1.05E-04	3.32E-08	9.65E-09	9.22E-05	2.91E-08	8.46E-09
2604	494185.94, 3860876.8	8.59E-05	2.71E-08	7.88E-09	1.05E-04	3.32E-08	9.65E-09	9.22E-05	2.91E-08	8.46E-09
2605	494135.94, 3860926.8	8.38E-05	2.64E-08	7.69E-09	1.03E-04	3.24E-08	9.42E-09	8.99E-05	2.84E-08	8.26E-09
2606	494185.94, 3860926.8	8.39E-05	2.65E-08	7.70E-09	1.03E-04	3.24E-08	9.43E-09	9.00E-05	2.84E-08	8.26E-09
2607	494135.94, 3860976.8	8.18E-05	2.58E-08	7.51E-09	1.00E-04	3.16E-08	9.20E-09	8.78E-05	2.77E-08	8.06E-09
2608	494185.94, 3860976.8	8.19E-05	2.58E-08	7.52E-09	1.00E-04	3.16E-08	9.21E-09	8.79E-05	2.77E-08	8.07E-09
2609	494135.94, 3861026.8	7.98E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.97E-09	8.57E-05	2.70E-08	7.87E-09
2610	494185.94, 3861026.8	7.99E-05	2.52E-08	7.34E-09	9.79E-05	3.09E-08	8.99E-09	8.58E-05	2.71E-08	7.88E-09
2611	494135.94, 3861076.8	7.79E-05	2.46E-08	7.15E-09	9.54E-05	3.01E-08	8.76E-09	8.36E-05	2.64E-08	7.68E-09
2612	494185.94, 3861076.8	7.80E-05	2.46E-08	7.16E-09	9.55E-05	3.01E-08	8.77E-09	8.37E-05	2.64E-08	7.69E-09
2613	490360.04, 3858710.0	4.22E-04	1.33E-07	3.88E-08	5.17E-04	1.63E-07	4.75E-08	4.54E-04	1.43E-07	4.17E-08
2614	490410.04, 3858710.0	4.15E-04	1.31E-07	3.81E-08	5.08E-04	1.60E-07	4.66E-08	4.46E-04	1.41E-07	4.09E-08
2615	490460.04, 3858710.0	4.07E-04	1.29E-07	3.74E-08	4.99E-04	1.57E-07	4.58E-08	4.38E-04	1.38E-07	4.02E-08
2616	490510.04, 3858710.0	4.00E-04	1.26E-07	3.67E-08	4.90E-04	1.55E-07	4.50E-08	4.30E-04	1.36E-07	3.95E-08
2617	490560.04, 3858710.0	3.94E-04	1.24E-07	3.62E-08	4.82E-04	1.52E-07	4.43E-08	4.23E-04	1.34E-07	3.88E-08
2618	490610.04, 3858710.0	3.88E-04	1.22E-07	3.56E-08	4.75E-04	1.50E-07	4.36E-08	4.16E-04	1.31E-07	3.82E-08
2619	490660.04, 3858710.0	3.82E-04	1.21E-07	3.51E-08	4.68E-04	1.48E-07	4.30E-08	4.10E-04	1.30E-07	3.77E-08

2620	490710.04, 3858710.0	3.76E-04	1.19E-07	3.45E-08	4.60E-04	1.45E-07	4.23E-08	4.04E-04	1.27E-07	3.71E-08
2621	490760.04, 3858710.0	3.70E-04	1.17E-07	3.40E-08	4.53E-04	1.43E-07	4.16E-08	3.97E-04	1.25E-07	3.65E-08
2622	490810.04, 3858710.0	3.64E-04	1.15E-07	3.34E-08	4.46E-04	1.41E-07	4.10E-08	3.91E-04	1.23E-07	3.59E-08
2623	490860.04, 3858710.0	3.58E-04	1.13E-07	3.29E-08	4.39E-04	1.38E-07	4.03E-08	3.85E-04	1.21E-07	3.53E-08
2624	490360.04, 3858760.0	4.08E-04	1.29E-07	3.74E-08	4.99E-04	1.58E-07	4.58E-08	4.38E-04	1.38E-07	4.02E-08
2625	490410.04, 3858760.0	4.01E-04	1.26E-07	3.68E-08	4.91E-04	1.55E-07	4.51E-08	4.31E-04	1.36E-07	3.95E-08
2626	490460.04, 3858760.0	3.94E-04	1.24E-07	3.61E-08	4.82E-04	1.52E-07	4.43E-08	4.23E-04	1.33E-07	3.88E-08
2627	490510.04, 3858760.0	3.87E-04	1.22E-07	3.55E-08	4.74E-04	1.49E-07	4.35E-08	4.15E-04	1.31E-07	3.81E-08
2628	490560.04, 3858760.0	3.80E-04	1.20E-07	3.49E-08	4.66E-04	1.47E-07	4.28E-08	4.09E-04	1.29E-07	3.75E-08
2629	490610.04, 3858760.0	3.74E-04	1.18E-07	3.43E-08	4.58E-04	1.45E-07	4.21E-08	4.02E-04	1.27E-07	3.69E-08
2630	490660.04, 3858760.0	3.68E-04	1.16E-07	3.38E-08	4.51E-04	1.42E-07	4.14E-08	3.96E-04	1.25E-07	3.63E-08
2631	490710.04, 3858760.0	3.63E-04	1.14E-07	3.33E-08	4.44E-04	1.40E-07	4.08E-08	3.89E-04	1.23E-07	3.58E-08
2632	490760.04, 3858760.0	3.57E-04	1.13E-07	3.27E-08	4.37E-04	1.38E-07	4.01E-08	3.83E-04	1.21E-07	3.52E-08
2633	490810.04, 3858760.0	3.51E-04	1.11E-07	3.22E-08	4.30E-04	1.36E-07	3.95E-08	3.77E-04	1.19E-07	3.46E-08
2634	490860.04, 3858760.0	3.46E-04	1.09E-07	3.18E-08	4.24E-04	1.34E-07	3.89E-08	3.72E-04	1.17E-07	3.41E-08
2635	490360.04, 3858810.0	3.92E-04	1.24E-07	3.60E-08	4.81E-04	1.52E-07	4.41E-08	4.22E-04	1.33E-07	3.87E-08
2636	490410.04, 3858810.0	3.86E-04	1.22E-07	3.54E-08	4.72E-04	1.49E-07	4.34E-08	4.14E-04	1.31E-07	3.80E-08
2637	490460.04, 3858810.0	3.79E-04	1.20E-07	3.48E-08	4.64E-04	1.46E-07	4.26E-08	4.07E-04	1.29E-07	3.74E-08
2638	490510.04, 3858810.0	3.73E-04	1.18E-07	3.42E-08	4.57E-04	1.44E-07	4.19E-08	4.01E-04	1.26E-07	3.68E-08
2639	490560.04, 3858810.0	3.67E-04	1.16E-07	3.37E-08	4.50E-04	1.42E-07	4.13E-08	3.94E-04	1.24E-07	3.62E-08
2640	490610.04, 3858810.0	3.61E-04	1.14E-07	3.31E-08	4.42E-04	1.39E-07	4.06E-08	3.88E-04	1.22E-07	3.56E-08
2641	490660.04, 3858810.0	3.55E-04	1.12E-07	3.26E-08	4.35E-04	1.37E-07	3.99E-08	3.81E-04	1.20E-07	3.50E-08
2642	490710.04, 3858810.0	3.49E-04	1.10E-07	3.21E-08	4.28E-04	1.35E-07	3.93E-08	3.75E-04	1.18E-07	3.45E-08
2643	490760.04, 3858810.0	3.43E-04	1.08E-07	3.15E-08	4.20E-04	1.33E-07	3.86E-08	3.69E-04	1.16E-07	3.38E-08
2644	490810.04, 3858810.0	3.39E-04	1.07E-07	3.11E-08	4.15E-04	1.31E-07	3.81E-08	3.64E-04	1.15E-07	3.34E-08
2645	490860.04, 3858810.0	3.33E-04	1.05E-07	3.06E-08	4.08E-04	1.29E-07	3.75E-08	3.58E-04	1.13E-07	3.29E-08
2646	490360.04, 3858860.0	3.76E-04	1.19E-07	3.45E-08	4.61E-04	1.45E-07	4.23E-08	4.04E-04	1.28E-07	3.71E-08
2647	490410.04, 3858860.0	3.70E-04	1.17E-07	3.40E-08	4.54E-04	1.43E-07	4.16E-08	3.98E-04	1.26E-07	3.65E-08
2648	490460.04, 3858860.0	3.64E-04	1.15E-07	3.34E-08	4.46E-04	1.41E-07	4.09E-08	3.91E-04	1.23E-07	3.59E-08
2649	490510.04, 3858860.0	3.59E-04	1.13E-07	3.29E-08	4.40E-04	1.39E-07	4.04E-08	3.86E-04	1.22E-07	3.54E-08
2650	490560.04, 3858860.0	3.53E-04	1.11E-07	3.24E-08	4.33E-04	1.37E-07	3.97E-08	3.79E-04	1.20E-07	3.48E-08
2651	490610.04, 3858860.0	3.47E-04	1.09E-07	3.18E-08	4.25E-04	1.34E-07	3.90E-08	3.73E-04	1.18E-07	3.42E-08
2652	490660.04, 3858860.0	3.42E-04	1.08E-07	3.14E-08	4.18E-04	1.32E-07	3.84E-08	3.67E-04	1.16E-07	3.37E-08
2653	490710.04, 3858860.0	3.37E-04	1.06E-07	3.09E-08	4.13E-04	1.30E-07	3.79E-08	3.62E-04	1.14E-07	3.32E-08
2654	490760.04, 3858860.0	3.31E-04	1.05E-07	3.04E-08	4.06E-04	1.28E-07	3.72E-08	3.56E-04	1.12E-07	3.27E-08
2655	490810.04, 3858860.0	3.26E-04	1.03E-07	2.99E-08	3.99E-04	1.26E-07	3.66E-08	3.50E-04	1.10E-07	3.21E-08
2656	490860.04, 3858860.0	3.21E-04	1.01E-07	2.94E-08	3.93E-04	1.24E-07	3.60E-08	3.44E-04	1.09E-07	3.16E-08
2657	490360.04, 3858910.0	3.61E-04	1.14E-07	3.31E-08	4.42E-04	1.39E-07	4.06E-08	3.88E-04	1.22E-07	3.56E-08
2658	490410.04, 3858910.0	3.55E-04	1.12E-07	3.26E-08	4.35E-04	1.37E-07	3.99E-08	3.82E-04	1.20E-07	3.50E-08
2659	490460.04, 3858910.0	3.50E-04	1.10E-07	3.21E-08	4.28E-04	1.35E-07	3.93E-08	3.76E-04	1.19E-07	3.45E-08
2660	490510.04, 3858910.0	3.44E-04	1.09E-07	3.16E-08	4.22E-04	1.33E-07	3.87E-08	3.70E-04	1.17E-07	3.40E-08
2661	490560.04, 3858910.0	3.39E-04	1.07E-07	3.11E-08	4.15E-04	1.31E-07	3.81E-08	3.64E-04	1.15E-07	3.34E-08
2662	490610.04, 3858910.0	3.33E-04	1.05E-07	3.06E-08	4.08E-04	1.29E-07	3.75E-08	3.58E-04	1.13E-07	3.29E-08
2663	490660.04, 3858910.0	3.28E-04	1.04E-07	3.01E-08	4.02E-04	1.27E-07	3.69E-08	3.53E-04	1.11E-07	3.24E-08
2664	490710.04, 3858910.0	3.23E-04	1.02E-07	2.97E-08	3.96E-04	1.25E-07	3.63E-08	3.47E-04	1.10E-07	3.19E-08
2665	490760.04, 3858910.0	3.18E-04	1.00E-07	2.92E-08	3.89E-04	1.23E-07	3.57E-08	3.41E-04	1.08E-07	3.13E-08
2666	490810.04, 3858910.0	3.13E-04	9.88E-08	2.87E-08	3.83E-04	1.21E-07	3.52E-08	3.36E-04	1.06E-07	3.09E-08
2667	490860.04, 3858910.0	3.08E-04	9.71E-08	2.82E-08	3.77E-04	1.19E-07	3.46E-08	3.30E-04	1.04E-07	3.03E-08
2668	490360.04, 3858960.0	3.45E-04	1.09E-07	3.16E-08	4.22E-04	1.33E-07	3.88E-08	3.70E-04	1.17E-07	3.40E-08
2669	490410.04, 3858960.0	3.40E-04	1.07E-07	3.12E-08	4.16E-04	1.31E-07	3.82E-08	3.65E-04	1.15E-07	3.35E-08
2670	490460.04, 3858960.0	3.34E-04	1.05E-07	3.07E-08	4.09E-04	1.29E-07	3.76E-08	3.59E-04	1.13E-07	3.30E-08
2671	490510.04, 3858960.0	3.29E-04	1.04E-07	3.02E-08	4.03E-04	1.27E-07	3.70E-08	3.54E-04	1.12E-07	3.25E-08
2672	490560.04, 3858960.0	3.24E-04	1.02E-07	2.98E-08	3.97E-04	1.25E-07	3.65E-08	3.49E-04	1.10E-07	3.20E-08
2673	490610.04, 3858960.0	3.19E-04	1.01E-07	2.93E-08	3.91E-04	1.23E-07	3.59E-08	3.43E-04	1.08E-07	3.14E-08
2674	490660.04, 3858960.0	3.15E-04	9.94E-08	2.89E-08	3.86E-04	1.22E-07	3.54E-08	3.38E-04	1.07E-07	3.11E-08
2675	490710.04, 3858960.0	3.10E-04	9.78E-08	2.84E-08	3.80E-04	1.20E-07	3.48E-08	3.33E-04	1.05E-07	3.06E-08
2676	490760.04, 3858960.0	3.05E-04	9.63E-08	2.80E-08	3.74E-04	1.18E-07	3.43E-08	3.28E-04	1.03E-07	3.01E-08
2677	490810.04, 3858960.0	3.00E-04	9.47E-08	2.76E-08	3.68E-04	1.16E-07	3.38E-08	3.22E-04	1.02E-07	2.96E-08
2678	490860.04, 3858960.0	2.95E-04	9.31E-08	2.71E-08	3.61E-04	1.14E-07	3.32E-08	3.17E-04	1.00E-07	2.91E-08
2679	490360.04, 3859010.0	3.29E-04	1.04E-07	3.02E-08	4.03E-04	1.27E-07	3.70E-08	3.53E-04	1.12E-07	3.24E-08
2680	490410.04, 3859010.0	3.24E-04	1.02E-07	2.97E-08	3.97E-04	1.25E-07	3.64E-08	3.48E-04	1.10E-07	3.20E-08

2681	490460.04, 3859010.0	3.19E-04	1.01E-07	2.93E-08	3.90E-04	1.23E-07	3.58E-08	3.42E-04	1.08E-07	3.14E-08
2682	490510.04, 3859010.0	3.13E-04	9.89E-08	2.88E-08	3.84E-04	1.21E-07	3.52E-08	3.37E-04	1.06E-07	3.09E-08
2683	490560.04, 3859010.0	3.10E-04	9.77E-08	2.84E-08	3.79E-04	1.20E-07	3.48E-08	3.33E-04	1.05E-07	3.05E-08
2684	490610.04, 3859010.0	3.05E-04	9.62E-08	2.80E-08	3.73E-04	1.18E-07	3.43E-08	3.27E-04	1.03E-07	3.00E-08
2685	490660.04, 3859010.0	3.01E-04	9.51E-08	2.77E-08	3.69E-04	1.17E-07	3.39E-08	3.24E-04	1.02E-07	2.97E-08
2686	490710.04, 3859010.0	2.96E-04	9.36E-08	2.72E-08	3.63E-04	1.15E-07	3.33E-08	3.18E-04	1.00E-07	2.92E-08
2687	490760.04, 3859010.0	2.92E-04	9.21E-08	2.68E-08	3.57E-04	1.13E-07	3.28E-08	3.13E-04	9.89E-08	2.88E-08
2688	490810.04, 3859010.0	2.87E-04	9.06E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.08E-04	9.73E-08	2.83E-08
2689	490860.04, 3859010.0	2.83E-04	8.92E-08	2.60E-08	3.46E-04	1.09E-07	3.18E-08	3.04E-04	9.58E-08	2.79E-08
2690	490360.04, 3859060.0	3.13E-04	9.87E-08	2.87E-08	3.83E-04	1.21E-07	3.52E-08	3.36E-04	1.06E-07	3.09E-08
2691	490410.04, 3859060.0	3.08E-04	9.71E-08	2.83E-08	3.77E-04	1.19E-07	3.46E-08	3.31E-04	1.04E-07	3.04E-08
2692	490460.04, 3859060.0	3.03E-04	9.57E-08	2.78E-08	3.71E-04	1.17E-07	3.41E-08	3.26E-04	1.03E-07	2.99E-08
2693	490510.04, 3859060.0	2.99E-04	9.44E-08	2.75E-08	3.66E-04	1.16E-07	3.36E-08	3.21E-04	1.01E-07	2.95E-08
2694	490560.04, 3859060.0	2.94E-04	9.29E-08	2.70E-08	3.61E-04	1.14E-07	3.31E-08	3.16E-04	9.98E-08	2.90E-08
2695	490610.04, 3859060.0	2.91E-04	9.18E-08	2.67E-08	3.56E-04	1.12E-07	3.27E-08	3.12E-04	9.86E-08	2.87E-08
2696	490660.04, 3859060.0	2.87E-04	9.07E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.83E-08
2697	490710.04, 3859060.0	2.83E-04	8.92E-08	2.60E-08	3.46E-04	1.09E-07	3.18E-08	3.04E-04	9.58E-08	2.79E-08
2698	490760.04, 3859060.0	2.78E-04	8.79E-08	2.56E-08	3.41E-04	1.08E-07	3.13E-08	2.99E-04	9.44E-08	2.74E-08
2699	490810.04, 3859060.0	2.74E-04	8.65E-08	2.51E-08	3.36E-04	1.06E-07	3.08E-08	2.94E-04	9.28E-08	2.70E-08
2700	490860.04, 3859060.0	2.70E-04	8.51E-08	2.48E-08	3.30E-04	1.04E-07	3.03E-08	2.90E-04	9.14E-08	2.66E-08
2701	490360.04, 3859110.0	2.98E-04	9.39E-08	2.73E-08	3.65E-04	1.15E-07	3.35E-08	3.20E-04	1.01E-07	2.94E-08
2702	490410.04, 3859110.0	2.93E-04	9.25E-08	2.69E-08	3.59E-04	1.13E-07	3.30E-08	3.15E-04	9.94E-08	2.89E-08
2703	490460.04, 3859110.0	2.90E-04	9.14E-08	2.66E-08	3.55E-04	1.12E-07	3.26E-08	3.11E-04	9.82E-08	2.86E-08
2704	490510.04, 3859110.0	2.84E-04	8.97E-08	2.61E-08	3.48E-04	1.10E-07	3.20E-08	3.05E-04	9.64E-08	2.80E-08
2705	490560.04, 3859110.0	2.80E-04	8.85E-08	2.57E-08	3.44E-04	1.08E-07	3.15E-08	3.01E-04	9.51E-08	2.77E-08
2706	490610.04, 3859110.0	2.76E-04	8.72E-08	2.54E-08	3.38E-04	1.07E-07	3.11E-08	2.97E-04	9.37E-08	2.73E-08
2707	490660.04, 3859110.0	2.72E-04	8.58E-08	2.50E-08	3.33E-04	1.05E-07	3.06E-08	2.92E-04	9.21E-08	2.68E-08
2708	490710.04, 3859110.0	2.69E-04	8.48E-08	2.47E-08	3.29E-04	1.04E-07	3.02E-08	2.89E-04	9.11E-08	2.65E-08
2709	490760.04, 3859110.0	2.65E-04	8.36E-08	2.43E-08	3.25E-04	1.02E-07	2.98E-08	2.85E-04	8.98E-08	2.61E-08
2710	490810.04, 3859110.0	2.61E-04	8.22E-08	2.39E-08	3.19E-04	1.01E-07	2.93E-08	2.80E-04	8.83E-08	2.57E-08
2711	490860.04, 3859110.0	2.56E-04	8.09E-08	2.35E-08	3.14E-04	9.91E-08	2.88E-08	2.75E-04	8.69E-08	2.53E-08
2712	490360.04, 3859160.0	2.83E-04	8.93E-08	2.60E-08	3.47E-04	1.09E-07	3.18E-08	3.04E-04	9.60E-08	2.79E-08
2713	490410.04, 3859160.0	2.79E-04	8.82E-08	2.56E-08	3.42E-04	1.08E-07	3.14E-08	3.00E-04	9.48E-08	2.76E-08
2714	490460.04, 3859160.0	2.76E-04	8.71E-08	2.53E-08	3.38E-04	1.07E-07	3.10E-08	2.96E-04	9.35E-08	2.72E-08
2715	490510.04, 3859160.0	2.72E-04	8.59E-08	2.50E-08	3.33E-04	1.05E-07	3.06E-08	2.92E-04	9.23E-08	2.68E-08
2716	490560.04, 3859160.0	2.68E-04	8.45E-08	2.46E-08	3.28E-04	1.03E-07	3.01E-08	2.88E-04	9.08E-08	2.64E-08
2717	490610.04, 3859160.0	2.64E-04	8.34E-08	2.43E-08	3.24E-04	1.02E-07	2.97E-08	2.84E-04	8.96E-08	2.61E-08
2718	490660.04, 3859160.0	2.58E-04	8.15E-08	2.37E-08	3.16E-04	9.98E-08	2.90E-08	2.77E-04	8.75E-08	2.55E-08
2719	490710.04, 3859160.0	2.55E-04	8.06E-08	2.34E-08	3.13E-04	9.87E-08	2.87E-08	2.74E-04	8.65E-08	2.52E-08
2720	490760.04, 3859160.0	2.50E-04	7.90E-08	2.30E-08	3.07E-04	9.68E-08	2.82E-08	2.69E-04	8.49E-08	2.47E-08
2721	490810.04, 3859160.0	2.47E-04	7.81E-08	2.27E-08	3.03E-04	9.57E-08	2.78E-08	2.66E-04	8.39E-08	2.44E-08
2722	490860.04, 3859160.0	2.44E-04	7.71E-08	2.24E-08	2.99E-04	9.44E-08	2.75E-08	2.62E-04	8.28E-08	2.41E-08
2723	490360.04, 3859210.0	2.69E-04	8.49E-08	2.47E-08	3.29E-04	1.04E-07	3.02E-08	2.89E-04	9.12E-08	2.65E-08
2724	490410.04, 3859210.0	2.67E-04	8.42E-08	2.45E-08	3.27E-04	1.03E-07	3.00E-08	2.87E-04	9.05E-08	2.63E-08
2725	490460.04, 3859210.0	2.63E-04	8.29E-08	2.41E-08	3.22E-04	1.02E-07	2.95E-08	2.82E-04	8.91E-08	2.59E-08
2726	490510.04, 3859210.0	2.59E-04	8.18E-08	2.38E-08	3.18E-04	1.00E-07	2.92E-08	2.79E-04	8.79E-08	2.56E-08
2727	490560.04, 3859210.0	2.57E-04	8.10E-08	2.36E-08	3.14E-04	9.92E-08	2.88E-08	2.76E-04	8.70E-08	2.53E-08
2728	490610.04, 3859210.0	2.53E-04	7.99E-08	2.32E-08	3.10E-04	9.78E-08	2.85E-08	2.72E-04	8.58E-08	2.50E-08
2729	490660.04, 3859210.0	2.48E-04	7.82E-08	2.28E-08	3.04E-04	9.58E-08	2.79E-08	2.66E-04	8.40E-08	2.44E-08
2730	490710.04, 3859210.0	2.45E-04	7.72E-08	2.25E-08	3.00E-04	9.46E-08	2.75E-08	2.63E-04	8.29E-08	2.41E-08
2731	490760.04, 3859210.0	2.40E-04	7.58E-08	2.20E-08	2.94E-04	9.28E-08	2.70E-08	2.58E-04	8.14E-08	2.37E-08
2732	490810.04, 3859210.0	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.23E-08	2.69E-08	2.57E-04	8.10E-08	2.35E-08
2733	490860.04, 3859210.0	2.37E-04	7.50E-08	2.18E-08	2.91E-04	9.18E-08	2.67E-08	2.55E-04	8.05E-08	2.34E-08
2734	490360.04, 3859260.0	2.55E-04	8.06E-08	2.35E-08	3.13E-04	9.88E-08	2.87E-08	2.75E-04	8.67E-08	2.52E-08
2735	490410.04, 3859260.0	2.53E-04	8.00E-08	2.33E-08	3.10E-04	9.80E-08	2.85E-08	2.72E-04	8.59E-08	2.50E-08
2736	490460.04, 3859260.0	2.51E-04	7.94E-08	2.31E-08	3.08E-04	9.72E-08	2.83E-08	2.70E-04	8.53E-08	2.48E-08
2737	490510.04, 3859260.0	2.50E-04	7.87E-08	2.29E-08	3.06E-04	9.65E-08	2.81E-08	2.68E-04	8.46E-08	2.46E-08
2738	490560.04, 3859260.0	2.47E-04	7.79E-08	2.27E-08	3.02E-04	9.54E-08	2.77E-08	2.65E-04	8.37E-08	2.43E-08
2739	490610.04, 3859260.0	2.43E-04	7.66E-08	2.23E-08	2.97E-04	9.39E-08	2.73E-08	2.61E-04	8.23E-08	2.39E-08
2740	490660.04, 3859260.0	2.42E-04	7.62E-08	2.22E-08	2.96E-04	9.34E-08	2.72E-08	2.59E-04	8.19E-08	2.38E-08
2741	490710.04, 3859260.0	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.10E-08	2.36E-08

2742	490760.04, 3859260.0	2.35E-04	7.41E-08	2.16E-08	2.88E-04	9.07E-08	2.64E-08	2.52E-04	7.96E-08	2.31E-08
2743	490810.04, 3859260.0	2.33E-04	7.36E-08	2.14E-08	2.86E-04	9.01E-08	2.62E-08	2.50E-04	7.90E-08	2.30E-08
2744	490860.04, 3859260.0	2.32E-04	7.31E-08	2.13E-08	2.84E-04	8.95E-08	2.60E-08	2.49E-04	7.85E-08	2.28E-08
2745	490360.04, 3859310.0	2.44E-04	7.69E-08	2.24E-08	2.98E-04	9.42E-08	2.74E-08	2.62E-04	8.26E-08	2.40E-08
2746	490410.04, 3859310.0	2.42E-04	7.63E-08	2.22E-08	2.96E-04	9.35E-08	2.72E-08	2.60E-04	8.20E-08	2.39E-08
2747	490460.04, 3859310.0	2.40E-04	7.58E-08	2.21E-08	2.94E-04	9.29E-08	2.70E-08	2.58E-04	8.15E-08	2.37E-08
2748	490510.04, 3859310.0	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.23E-08	2.69E-08	2.57E-04	8.10E-08	2.36E-08
2749	490560.04, 3859310.0	2.37E-04	7.49E-08	2.18E-08	2.91E-04	9.17E-08	2.67E-08	2.55E-04	8.04E-08	2.34E-08
2750	490610.04, 3859310.0	2.36E-04	7.44E-08	2.17E-08	2.89E-04	9.12E-08	2.65E-08	2.53E-04	8.00E-08	2.33E-08
2751	490660.04, 3859310.0	2.34E-04	7.38E-08	2.15E-08	2.87E-04	9.05E-08	2.63E-08	2.51E-04	7.93E-08	2.31E-08
2752	490710.04, 3859310.0	2.31E-04	7.28E-08	2.12E-08	2.82E-04	8.91E-08	2.59E-08	2.48E-04	7.82E-08	2.27E-08
2753	490760.04, 3859310.0	2.28E-04	7.21E-08	2.10E-08	2.80E-04	8.83E-08	2.57E-08	2.45E-04	7.74E-08	2.25E-08
2754	490810.04, 3859310.0	2.27E-04	7.16E-08	2.08E-08	2.78E-04	8.77E-08	2.55E-08	2.44E-04	7.69E-08	2.24E-08
2755	490860.04, 3859310.0	2.25E-04	7.09E-08	2.06E-08	2.75E-04	8.68E-08	2.53E-08	2.41E-04	7.61E-08	2.21E-08
2756	490360.04, 3859360.0	2.32E-04	7.33E-08	2.13E-08	2.85E-04	8.98E-08	2.61E-08	2.50E-04	7.88E-08	2.29E-08
2757	490410.04, 3859360.0	2.31E-04	7.30E-08	2.12E-08	2.83E-04	8.94E-08	2.60E-08	2.49E-04	7.84E-08	2.28E-08
2758	490460.04, 3859360.0	2.30E-04	7.27E-08	2.11E-08	2.82E-04	8.90E-08	2.59E-08	2.47E-04	7.81E-08	2.27E-08
2759	490510.04, 3859360.0	2.29E-04	7.23E-08	2.10E-08	2.81E-04	8.86E-08	2.58E-08	2.46E-04	7.77E-08	2.26E-08
2760	490560.04, 3859360.0	2.28E-04	7.19E-08	2.09E-08	2.79E-04	8.80E-08	2.56E-08	2.45E-04	7.72E-08	2.25E-08
2761	490610.04, 3859360.0	2.26E-04	7.14E-08	2.08E-08	2.77E-04	8.74E-08	2.54E-08	2.43E-04	7.67E-08	2.23E-08
2762	490660.04, 3859360.0	2.25E-04	7.10E-08	2.06E-08	2.75E-04	8.69E-08	2.53E-08	2.42E-04	7.62E-08	2.22E-08
2763	490710.04, 3859360.0	2.23E-04	7.03E-08	2.05E-08	2.73E-04	8.62E-08	2.51E-08	2.39E-04	7.56E-08	2.20E-08
2764	490760.04, 3859360.0	2.21E-04	6.96E-08	2.03E-08	2.70E-04	8.53E-08	2.48E-08	2.37E-04	7.48E-08	2.18E-08
2765	490810.04, 3859360.0	2.20E-04	6.94E-08	2.02E-08	2.69E-04	8.50E-08	2.47E-08	2.36E-04	7.45E-08	2.17E-08
2766	490860.04, 3859360.0	2.18E-04	6.89E-08	2.00E-08	2.67E-04	8.44E-08	2.45E-08	2.34E-04	7.40E-08	2.15E-08
2767	490360.04, 3859410.0	2.22E-04	7.00E-08	2.03E-08	2.71E-04	8.57E-08	2.49E-08	2.38E-04	7.52E-08	2.19E-08
2768	490410.04, 3859410.0	2.21E-04	6.97E-08	2.03E-08	2.71E-04	8.54E-08	2.48E-08	2.37E-04	7.49E-08	2.18E-08
2769	490460.04, 3859410.0	2.20E-04	6.95E-08	2.02E-08	2.70E-04	8.51E-08	2.47E-08	2.37E-04	7.47E-08	2.17E-08
2770	490510.04, 3859410.0	2.19E-04	6.92E-08	2.01E-08	2.69E-04	8.48E-08	2.47E-08	2.36E-04	7.44E-08	2.16E-08
2771	490560.04, 3859410.0	2.18E-04	6.89E-08	2.01E-08	2.68E-04	8.44E-08	2.46E-08	2.35E-04	7.41E-08	2.15E-08
2772	490610.04, 3859410.0	2.18E-04	6.86E-08	2.00E-08	2.66E-04	8.41E-08	2.45E-08	2.34E-04	7.38E-08	2.15E-08
2773	490660.04, 3859410.0	2.16E-04	6.82E-08	1.98E-08	2.65E-04	8.36E-08	2.43E-08	2.32E-04	7.33E-08	2.13E-08
2774	490710.04, 3859410.0	2.15E-04	6.78E-08	1.97E-08	2.63E-04	8.30E-08	2.42E-08	2.31E-04	7.28E-08	2.12E-08
2775	490760.04, 3859410.0	2.13E-04	6.72E-08	1.96E-08	2.61E-04	8.23E-08	2.40E-08	2.29E-04	7.22E-08	2.10E-08
2776	490810.04, 3859410.0	2.12E-04	6.70E-08	1.95E-08	2.60E-04	8.20E-08	2.39E-08	2.28E-04	7.19E-08	2.09E-08
2777	490860.04, 3859410.0	2.12E-04	6.68E-08	1.94E-08	2.59E-04	8.19E-08	2.38E-08	2.27E-04	7.18E-08	2.09E-08
2778	490360.04, 3859460.0	2.11E-04	6.68E-08	1.94E-08	2.59E-04	8.18E-08	2.38E-08	2.27E-04	7.17E-08	2.09E-08
2779	490410.04, 3859460.0	2.11E-04	6.66E-08	1.94E-08	2.58E-04	8.16E-08	2.37E-08	2.27E-04	7.16E-08	2.08E-08
2780	490460.04, 3859460.0	2.10E-04	6.64E-08	1.93E-08	2.58E-04	8.13E-08	2.37E-08	2.26E-04	7.14E-08	2.08E-08
2781	490510.04, 3859460.0	2.10E-04	6.62E-08	1.93E-08	2.57E-04	8.11E-08	2.36E-08	2.25E-04	7.12E-08	2.07E-08
2782	490560.04, 3859460.0	2.09E-04	6.60E-08	1.92E-08	2.56E-04	8.09E-08	2.35E-08	2.25E-04	7.10E-08	2.06E-08
2783	490610.04, 3859460.0	2.09E-04	6.58E-08	1.91E-08	2.55E-04	8.06E-08	2.34E-08	2.24E-04	7.07E-08	2.06E-08
2784	490660.04, 3859460.0	2.08E-04	6.56E-08	1.91E-08	2.54E-04	8.03E-08	2.34E-08	2.23E-04	7.04E-08	2.05E-08
2785	490710.04, 3859460.0	2.07E-04	6.53E-08	1.90E-08	2.53E-04	8.00E-08	2.33E-08	2.22E-04	7.02E-08	2.04E-08
2786	490760.04, 3859460.0	2.06E-04	6.50E-08	1.89E-08	2.52E-04	7.96E-08	2.32E-08	2.21E-04	6.98E-08	2.03E-08
2787	490810.04, 3859460.0	2.05E-04	6.47E-08	1.88E-08	2.51E-04	7.93E-08	2.31E-08	2.20E-04	6.95E-08	2.02E-08
2788	490860.04, 3859460.0	2.04E-04	6.45E-08	1.88E-08	2.50E-04	7.90E-08	2.30E-08	2.20E-04	6.93E-08	2.02E-08
2789	490360.04, 3859510.0	2.02E-04	6.36E-08	1.85E-08	2.47E-04	7.79E-08	2.27E-08	2.17E-04	6.84E-08	1.99E-08
2790	490410.04, 3859510.0	2.01E-04	6.36E-08	1.85E-08	2.47E-04	7.79E-08	2.26E-08	2.16E-04	6.83E-08	1.99E-08
2791	490460.04, 3859510.0	2.01E-04	6.35E-08	1.85E-08	2.46E-04	7.78E-08	2.26E-08	2.16E-04	6.82E-08	1.98E-08
2792	490510.04, 3859510.0	2.01E-04	6.34E-08	1.84E-08	2.46E-04	7.76E-08	2.26E-08	2.16E-04	6.81E-08	1.98E-08
2793	490560.04, 3859510.0	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.75E-08	2.25E-08	2.15E-04	6.80E-08	1.98E-08
2794	490610.04, 3859510.0	2.00E-04	6.31E-08	1.84E-08	2.45E-04	7.73E-08	2.25E-08	2.15E-04	6.78E-08	1.97E-08
2795	490660.04, 3859510.0	1.99E-04	6.29E-08	1.83E-08	2.44E-04	7.71E-08	2.24E-08	2.14E-04	6.76E-08	1.97E-08
2796	490710.04, 3859510.0	1.99E-04	6.28E-08	1.83E-08	2.44E-04	7.69E-08	2.24E-08	2.14E-04	6.74E-08	1.96E-08
2797	490760.04, 3859510.0	1.98E-04	6.26E-08	1.82E-08	2.43E-04	7.66E-08	2.23E-08	2.13E-04	6.72E-08	1.95E-08
2798	490810.04, 3859510.0	1.98E-04	6.24E-08	1.81E-08	2.42E-04	7.64E-08	2.22E-08	2.12E-04	6.70E-08	1.95E-08
2799	490860.04, 3859510.0	1.97E-04	6.22E-08	1.81E-08	2.41E-04	7.62E-08	2.22E-08	2.12E-04	6.68E-08	1.94E-08
2800	490360.04, 3859560.0	1.92E-04	6.07E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.07E-04	6.52E-08	1.90E-08
2801	490410.04, 3859560.0	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.52E-08	1.90E-08
2802	490460.04, 3859560.0	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.51E-08	1.89E-08

2803	490510.04, 3859560.0	1.92E-04	6.07E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.07E-04	6.52E-08	1.90E-08
2804	490560.04, 3859560.0	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.42E-08	2.16E-08	2.06E-04	6.51E-08	1.89E-08
2805	490610.04, 3859560.0	1.92E-04	6.05E-08	1.76E-08	2.35E-04	7.41E-08	2.16E-08	2.06E-04	6.50E-08	1.89E-08
2806	490660.04, 3859560.0	1.91E-04	6.04E-08	1.76E-08	2.34E-04	7.40E-08	2.15E-08	2.06E-04	6.49E-08	1.89E-08
2807	490710.04, 3859560.0	1.91E-04	6.03E-08	1.75E-08	2.34E-04	7.39E-08	2.15E-08	2.05E-04	6.48E-08	1.88E-08
2808	490760.04, 3859560.0	1.91E-04	6.02E-08	1.75E-08	2.33E-04	7.37E-08	2.14E-08	2.05E-04	6.46E-08	1.88E-08
2809	490810.04, 3859560.0	1.90E-04	6.00E-08	1.75E-08	2.33E-04	7.35E-08	2.14E-08	2.04E-04	6.45E-08	1.87E-08
2810	490860.04, 3859560.0	1.90E-04	5.98E-08	1.74E-08	2.32E-04	7.33E-08	2.13E-08	2.04E-04	6.43E-08	1.87E-08
2811	490187.25, 3859422.0	2.21E-04	6.97E-08	2.03E-08	2.71E-04	8.54E-08	2.48E-08	2.37E-04	7.49E-08	2.18E-08
2812	490237.25, 3859422.0	2.21E-04	6.96E-08	2.02E-08	2.70E-04	8.53E-08	2.48E-08	2.37E-04	7.48E-08	2.18E-08
2813	490287.25, 3859422.0	2.20E-04	6.95E-08	2.02E-08	2.70E-04	8.51E-08	2.48E-08	2.37E-04	7.47E-08	2.17E-08
2814	490337.25, 3859422.0	2.19E-04	6.93E-08	2.01E-08	2.69E-04	8.48E-08	2.47E-08	2.36E-04	7.44E-08	2.17E-08
2815	490187.25, 3859472.0	2.10E-04	6.63E-08	1.93E-08	2.57E-04	8.12E-08	2.36E-08	2.26E-04	7.12E-08	2.07E-08
2816	490237.25, 3859472.0	2.10E-04	6.62E-08	1.93E-08	2.57E-04	8.11E-08	2.36E-08	2.25E-04	7.11E-08	2.07E-08
2817	490287.25, 3859472.0	2.10E-04	6.61E-08	1.92E-08	2.57E-04	8.10E-08	2.36E-08	2.25E-04	7.11E-08	2.07E-08
2818	490337.25, 3859472.0	2.09E-04	6.60E-08	1.92E-08	2.56E-04	8.09E-08	2.35E-08	2.25E-04	7.10E-08	2.06E-08
2819	490297.07, 3859500.4	2.04E-04	6.43E-08	1.87E-08	2.50E-04	7.88E-08	2.29E-08	2.19E-04	6.91E-08	2.01E-08
2820	490327.07, 3859500.4	2.03E-04	6.42E-08	1.87E-08	2.49E-04	7.87E-08	2.29E-08	2.19E-04	6.90E-08	2.01E-08
2821	490297.07, 3859530.4	1.98E-04	6.24E-08	1.82E-08	2.42E-04	7.65E-08	2.22E-08	2.13E-04	6.71E-08	1.95E-08
2822	490327.07, 3859530.4	1.98E-04	6.24E-08	1.82E-08	2.42E-04	7.64E-08	2.22E-08	2.12E-04	6.71E-08	1.95E-08
2823	490319.73, 3859055.3	3.18E-04	1.00E-07	2.92E-08	3.90E-04	1.23E-07	3.58E-08	3.42E-04	1.08E-07	3.14E-08
2824	490319.73, 3859105.3	3.02E-04	9.54E-08	2.77E-08	3.70E-04	1.17E-07	3.40E-08	3.25E-04	1.03E-07	2.98E-08
2825	490069.73, 3859155.3	3.00E-04	9.47E-08	2.75E-08	3.67E-04	1.16E-07	3.37E-08	3.22E-04	1.02E-07	2.96E-08
2826	490119.73, 3859155.3	2.97E-04	9.38E-08	2.73E-08	3.64E-04	1.15E-07	3.34E-08	3.20E-04	1.01E-07	2.93E-08
2827	490269.73, 3859155.3	2.90E-04	9.15E-08	2.66E-08	3.55E-04	1.12E-07	3.26E-08	3.12E-04	9.84E-08	2.86E-08
2828	490319.73, 3859155.3	2.87E-04	9.06E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.74E-08	2.83E-08
2829	490069.73, 3859205.3	2.83E-04	8.92E-08	2.60E-08	3.46E-04	1.09E-07	3.18E-08	3.04E-04	9.59E-08	2.79E-08
2830	490119.73, 3859205.3	2.81E-04	8.86E-08	2.58E-08	3.44E-04	1.08E-07	3.16E-08	3.02E-04	9.52E-08	2.77E-08
2831	490169.73, 3859205.3	2.79E-04	8.80E-08	2.56E-08	3.41E-04	1.08E-07	3.13E-08	3.00E-04	9.46E-08	2.75E-08
2832	490219.73, 3859205.3	2.77E-04	8.73E-08	2.54E-08	3.39E-04	1.07E-07	3.11E-08	2.97E-04	9.39E-08	2.73E-08
2833	490269.73, 3859205.3	2.74E-04	8.66E-08	2.52E-08	3.36E-04	1.06E-07	3.09E-08	2.95E-04	9.31E-08	2.71E-08
2834	490319.73, 3859205.3	2.72E-04	8.59E-08	2.50E-08	3.34E-04	1.05E-07	3.06E-08	2.93E-04	9.24E-08	2.69E-08
2835	490069.73, 3859255.3	2.67E-04	8.43E-08	2.45E-08	3.27E-04	1.03E-07	3.00E-08	2.87E-04	9.06E-08	2.64E-08
2836	490119.73, 3859255.3	2.65E-04	8.37E-08	2.44E-08	3.25E-04	1.03E-07	2.98E-08	2.85E-04	9.00E-08	2.62E-08
2837	490169.73, 3859255.3	2.64E-04	8.32E-08	2.42E-08	3.23E-04	1.02E-07	2.96E-08	2.83E-04	8.94E-08	2.60E-08
2838	490219.73, 3859255.3	2.62E-04	8.27E-08	2.41E-08	3.21E-04	1.01E-07	2.95E-08	2.82E-04	8.89E-08	2.59E-08
2839	490269.73, 3859255.3	2.60E-04	8.22E-08	2.39E-08	3.19E-04	1.01E-07	2.93E-08	2.80E-04	8.83E-08	2.57E-08
2840	490319.73, 3859255.3	2.59E-04	8.16E-08	2.37E-08	3.17E-04	1.00E-07	2.91E-08	2.78E-04	8.78E-08	2.55E-08
2841	490069.73, 3859305.3	2.53E-04	7.97E-08	2.32E-08	3.09E-04	9.77E-08	2.84E-08	2.72E-04	8.57E-08	2.49E-08
2842	490119.73, 3859305.3	2.51E-04	7.93E-08	2.31E-08	3.08E-04	9.71E-08	2.83E-08	2.70E-04	8.52E-08	2.48E-08
2843	490169.73, 3859305.3	2.50E-04	7.89E-08	2.29E-08	3.06E-04	9.66E-08	2.81E-08	2.69E-04	8.48E-08	2.47E-08
2844	490219.73, 3859305.3	2.49E-04	7.85E-08	2.28E-08	3.05E-04	9.61E-08	2.80E-08	2.67E-04	8.43E-08	2.45E-08
2845	490269.73, 3859305.3	2.47E-04	7.81E-08	2.27E-08	3.03E-04	9.56E-08	2.78E-08	2.66E-04	8.39E-08	2.44E-08
2846	490319.73, 3859305.3	2.46E-04	7.76E-08	2.26E-08	3.01E-04	9.51E-08	2.77E-08	2.64E-04	8.34E-08	2.43E-08
2847	490069.73, 3859355.3	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.11E-08	2.36E-08
2848	490119.73, 3859355.3	2.38E-04	7.51E-08	2.18E-08	2.91E-04	9.19E-08	2.67E-08	2.56E-04	8.07E-08	2.35E-08
2849	490169.73, 3859355.3	2.37E-04	7.48E-08	2.18E-08	2.90E-04	9.16E-08	2.67E-08	2.55E-04	8.04E-08	2.34E-08
2850	490219.73, 3859355.3	2.36E-04	7.45E-08	2.17E-08	2.89E-04	9.13E-08	2.66E-08	2.54E-04	8.01E-08	2.33E-08
2851	490269.73, 3859355.3	2.35E-04	7.42E-08	2.16E-08	2.88E-04	9.09E-08	2.65E-08	2.53E-04	7.98E-08	2.32E-08
2852	490319.73, 3859355.3	2.34E-04	7.39E-08	2.15E-08	2.87E-04	9.06E-08	2.63E-08	2.52E-04	7.95E-08	2.31E-08
2853	490069.73, 3859405.3	2.26E-04	7.14E-08	2.08E-08	2.77E-04	8.74E-08	2.54E-08	2.43E-04	7.67E-08	2.23E-08
2854	490119.73, 3859405.3	2.25E-04	7.12E-08	2.07E-08	2.76E-04	8.72E-08	2.54E-08	2.42E-04	7.65E-08	2.23E-08
2855	490169.73, 3859405.3	2.25E-04	7.10E-08	2.07E-08	2.76E-04	8.70E-08	2.53E-08	2.42E-04	7.63E-08	2.22E-08
2856	490219.73, 3859405.3	2.24E-04	7.08E-08	2.06E-08	2.75E-04	8.68E-08	2.52E-08	2.41E-04	7.62E-08	2.22E-08
2857	490269.73, 3859405.3	2.24E-04	7.07E-08	2.06E-08	2.74E-04	8.66E-08	2.52E-08	2.41E-04	7.60E-08	2.21E-08
2858	490319.73, 3859405.3	2.23E-04	7.05E-08	2.05E-08	2.73E-04	8.63E-08	2.51E-08	2.40E-04	7.57E-08	2.20E-08
2859	490161.89, 3859541.8	1.96E-04	6.18E-08	1.80E-08	2.40E-04	7.57E-08	2.20E-08	2.11E-04	6.64E-08	1.93E-08
2860	490171.89, 3859541.8	1.96E-04	6.18E-08	1.80E-08	2.40E-04	7.57E-08	2.20E-08	2.11E-04	6.64E-08	1.93E-08
2861	490161.89, 3859551.8	1.94E-04	6.12E-08	1.78E-08	2.38E-04	7.50E-08	2.18E-08	2.08E-04	6.58E-08	1.91E-08
2862	490171.89, 3859551.8	1.94E-04	6.12E-08	1.78E-08	2.38E-04	7.50E-08	2.18E-08	2.08E-04	6.58E-08	1.91E-08
2863	489799.72, 3859348.2	2.45E-04	7.74E-08	2.25E-08	3.00E-04	9.48E-08	2.76E-08	2.64E-04	8.32E-08	2.42E-08

2864	489819.72, 3859348.2	2.45E-04	7.73E-08	2.25E-08	3.00E-04	9.47E-08	2.75E-08	2.63E-04	8.31E-08	2.42E-08
2865	489799.72, 3859368.2	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.11E-08	2.36E-08
2866	489819.72, 3859368.2	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.11E-08	2.36E-08
2867	489775.41, 3859329.7	2.51E-04	7.92E-08	2.31E-08	3.08E-04	9.71E-08	2.82E-08	2.70E-04	8.52E-08	2.48E-08
2868	489795.41, 3859329.7	2.51E-04	7.92E-08	2.30E-08	3.07E-04	9.70E-08	2.82E-08	2.70E-04	8.51E-08	2.48E-08
2869	489775.41, 3859349.7	2.45E-04	7.73E-08	2.25E-08	3.00E-04	9.46E-08	2.75E-08	2.63E-04	8.31E-08	2.42E-08
2870	489795.41, 3859349.7	2.45E-04	7.72E-08	2.25E-08	3.00E-04	9.46E-08	2.75E-08	2.63E-04	8.30E-08	2.41E-08
2871	489595.05, 3859219.4	2.97E-04	9.36E-08	2.72E-08	3.63E-04	1.15E-07	3.34E-08	3.19E-04	1.01E-07	2.93E-08
2872	489615.05, 3859219.4	2.96E-04	9.35E-08	2.72E-08	3.63E-04	1.15E-07	3.33E-08	3.19E-04	1.01E-07	2.92E-08
2873	489595.05, 3859239.4	2.87E-04	9.07E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.84E-08
2874	489615.05, 3859239.4	2.87E-04	9.06E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.84E-08
2875	489372.4, 3859092.58	3.87E-04	1.22E-07	3.55E-08	4.74E-04	1.50E-07	4.35E-08	4.16E-04	1.31E-07	3.82E-08
2876	489422.4, 3859092.58	3.83E-04	1.21E-07	3.51E-08	4.69E-04	1.48E-07	4.31E-08	4.12E-04	1.30E-07	3.78E-08
2877	489372.4, 3859142.58	3.46E-04	1.09E-07	3.18E-08	4.24E-04	1.34E-07	3.89E-08	3.72E-04	1.18E-07	3.42E-08
2878	489422.4, 3859142.58	3.45E-04	1.09E-07	3.17E-08	4.23E-04	1.33E-07	3.88E-08	3.71E-04	1.17E-07	3.41E-08
2879	488870.84, 3858666.6	1.49E-03	4.70E-07	1.37E-07	1.82E-03	5.76E-07	1.67E-07	1.61E-03	5.07E-07	1.47E-07
2880	488900.84, 3858666.6	1.40E-03	4.41E-07	1.28E-07	1.71E-03	5.41E-07	1.57E-07	1.51E-03	4.76E-07	1.38E-07
2881	488870.84, 3858696.6	1.61E-03	5.09E-07	1.48E-07	1.98E-03	6.24E-07	1.81E-07	1.74E-03	5.49E-07	1.60E-07
2882	488900.84, 3858696.6	1.50E-03	4.74E-07	1.38E-07	1.84E-03	5.81E-07	1.69E-07	1.62E-03	5.12E-07	1.49E-07
2883	488889.67, 3858683.9	1.49E-03	4.71E-07	1.37E-07	1.83E-03	5.77E-07	1.68E-07	1.61E-03	5.08E-07	1.48E-07
2884	488919.67, 3858683.9	1.40E-03	4.42E-07	1.29E-07	1.72E-03	5.41E-07	1.57E-07	1.51E-03	4.77E-07	1.39E-07
2885	488889.67, 3858713.9	1.62E-03	5.11E-07	1.49E-07	1.98E-03	6.26E-07	1.82E-07	1.75E-03	5.51E-07	1.60E-07
2886	488919.67, 3858713.9	1.50E-03	4.75E-07	1.38E-07	1.84E-03	5.82E-07	1.69E-07	1.62E-03	5.12E-07	1.49E-07
2887	488906.61, 3858703.3	1.51E-03	4.76E-07	1.38E-07	1.85E-03	5.83E-07	1.70E-07	1.63E-03	5.14E-07	1.49E-07
2888	488936.61, 3858703.3	1.41E-03	4.46E-07	1.30E-07	1.73E-03	5.46E-07	1.59E-07	1.52E-03	4.81E-07	1.40E-07
2889	488906.61, 3858733.3	1.64E-03	5.17E-07	1.50E-07	2.01E-03	6.33E-07	1.84E-07	1.77E-03	5.57E-07	1.62E-07
2890	488936.61, 3858733.3	1.52E-03	4.79E-07	1.39E-07	1.86E-03	5.87E-07	1.71E-07	1.64E-03	5.17E-07	1.50E-07
2891	488637.63, 3858467.8	1.48E-03	4.68E-07	1.36E-07	1.82E-03	5.74E-07	1.67E-07	1.60E-03	5.05E-07	1.47E-07
2892	488662.63, 3858467.8	1.42E-03	4.48E-07	1.30E-07	1.74E-03	5.49E-07	1.60E-07	1.53E-03	4.84E-07	1.41E-07
2893	488637.63, 3858492.8	1.57E-03	4.97E-07	1.44E-07	1.93E-03	6.08E-07	1.77E-07	1.70E-03	5.36E-07	1.56E-07
2894	488662.63, 3858492.8	1.50E-03	4.73E-07	1.38E-07	1.84E-03	5.79E-07	1.69E-07	1.62E-03	5.10E-07	1.48E-07
2895	488687.63, 3858492.8	1.43E-03	4.52E-07	1.31E-07	1.75E-03	5.54E-07	1.61E-07	1.54E-03	4.87E-07	1.42E-07
2896	488637.63, 3858517.8	1.68E-03	5.31E-07	1.54E-07	2.06E-03	6.50E-07	1.89E-07	1.81E-03	5.73E-07	1.67E-07
2897	488662.63, 3858517.8	1.59E-03	5.03E-07	1.46E-07	1.95E-03	6.16E-07	1.79E-07	1.72E-03	5.42E-07	1.58E-07
2898	488687.63, 3858517.8	1.51E-03	4.78E-07	1.39E-07	1.85E-03	5.85E-07	1.70E-07	1.63E-03	5.15E-07	1.50E-07
2899	488194.42, 3857168.9	1.70E-03	5.38E-07	1.56E-07	2.09E-03	6.59E-07	1.92E-07	1.81E-03	5.72E-07	1.67E-07
2900	488244.42, 3857168.9	1.64E-03	5.19E-07	1.51E-07	2.01E-03	6.35E-07	1.85E-07	1.75E-03	5.52E-07	1.61E-07
2901	488294.42, 3857168.9	1.59E-03	5.01E-07	1.46E-07	1.95E-03	6.14E-07	1.79E-07	1.69E-03	5.34E-07	1.55E-07
2902	488244.42, 3857218.9	1.67E-03	5.26E-07	1.53E-07	2.04E-03	6.45E-07	1.88E-07	1.77E-03	5.60E-07	1.63E-07
2903	488294.42, 3857218.9	1.61E-03	5.08E-07	1.48E-07	1.97E-03	6.22E-07	1.81E-07	1.71E-03	5.41E-07	1.57E-07
2904	488294.42, 3857268.9	1.63E-03	5.14E-07	1.50E-07	1.99E-03	6.29E-07	1.83E-07	1.73E-03	5.47E-07	1.59E-07
2905	488139.13, 3857111.6	1.74E-03	5.49E-07	1.60E-07	2.13E-03	6.72E-07	1.95E-07	1.85E-03	5.84E-07	1.70E-07
2906	488189.13, 3857111.6	1.68E-03	5.29E-07	1.54E-07	2.05E-03	6.48E-07	1.88E-07	1.79E-03	5.64E-07	1.64E-07
2907	488189.13, 3857161.6	1.71E-03	5.39E-07	1.57E-07	2.09E-03	6.60E-07	1.92E-07	1.82E-03	5.73E-07	1.67E-07
2908	487951.04, 3856961.2	1.88E-03	5.93E-07	1.73E-07	2.30E-03	7.26E-07	2.11E-07	2.01E-03	6.35E-07	1.85E-07
2909	488001.04, 3856961.2	1.81E-03	5.73E-07	1.67E-07	2.22E-03	7.01E-07	2.04E-07	1.94E-03	6.13E-07	1.78E-07
2910	488051.04, 3856961.2	1.76E-03	5.55E-07	1.61E-07	2.15E-03	6.79E-07	1.98E-07	1.88E-03	5.93E-07	1.73E-07
2911	488101.04, 3856961.2	1.70E-03	5.35E-07	1.56E-07	2.08E-03	6.55E-07	1.91E-07	1.81E-03	5.72E-07	1.67E-07
2912	487951.04, 3857011.2	1.91E-03	6.02E-07	1.75E-07	2.34E-03	7.37E-07	2.15E-07	2.04E-03	6.43E-07	1.87E-07
2913	488001.04, 3857011.2	1.85E-03	5.83E-07	1.69E-07	2.26E-03	7.13E-07	2.08E-07	1.97E-03	6.22E-07	1.81E-07
2914	488051.04, 3857011.2	1.79E-03	5.64E-07	1.64E-07	2.19E-03	6.90E-07	2.01E-07	1.91E-03	6.02E-07	1.75E-07
2915	488101.04, 3857011.2	1.72E-03	5.44E-07	1.58E-07	2.11E-03	6.66E-07	1.94E-07	1.84E-03	5.81E-07	1.69E-07
2916	488001.04, 3857061.2	1.88E-03	5.93E-07	1.72E-07	2.30E-03	7.26E-07	2.11E-07	2.00E-03	6.32E-07	1.84E-07
2917	488051.04, 3857061.2	1.81E-03	5.72E-07	1.66E-07	2.22E-03	7.01E-07	2.04E-07	1.93E-03	6.10E-07	1.78E-07
2918	488101.04, 3857061.2	1.75E-03	5.53E-07	1.61E-07	2.14E-03	6.77E-07	1.97E-07	1.87E-03	5.89E-07	1.71E-07
2919	487638.98, 3856673.7	2.10E-03	6.64E-07	1.93E-07	2.58E-03	8.13E-07	2.36E-07	2.27E-03	7.15E-07	2.08E-07
2920	487688.98, 3856673.7	2.03E-03	6.39E-07	1.86E-07	2.48E-03	7.83E-07	2.28E-07	2.18E-03	6.89E-07	2.00E-07
2921	487638.98, 3856723.7	2.17E-03	6.85E-07	1.99E-07	2.66E-03	8.38E-07	2.44E-07	2.34E-03	7.37E-07	2.15E-07
2922	487688.98, 3856723.7	2.09E-03	6.58E-07	1.91E-07	2.55E-03	8.06E-07	2.34E-07	2.25E-03	7.09E-07	2.06E-07
2923	486324.61, 3855740.5	2.25E-03	7.10E-07	2.07E-07	2.76E-03	8.70E-07	2.53E-07	2.42E-03	7.65E-07	2.23E-07
2924	486374.61, 3855740.5	2.10E-03	6.63E-07	1.93E-07	2.57E-03	8.12E-07	2.36E-07	2.26E-03	7.15E-07	2.08E-07

2925	486424.61, 3855740.5	2.01E-03	6.34E-07	1.84E-07	2.46E-03	7.77E-07	2.26E-07	2.17E-03	6.83E-07	1.99E-07
2926	486324.61, 3855790.5	2.36E-03	7.46E-07	2.17E-07	2.90E-03	9.14E-07	2.66E-07	2.55E-03	8.05E-07	2.34E-07
2927	486374.61, 3855790.5	2.21E-03	6.98E-07	2.03E-07	2.71E-03	8.55E-07	2.49E-07	2.38E-03	7.53E-07	2.19E-07
2928	486424.61, 3855790.5	2.13E-03	6.73E-07	1.96E-07	2.61E-03	8.24E-07	2.40E-07	2.30E-03	7.25E-07	2.11E-07
2929	486324.61, 3855840.5	2.49E-03	7.86E-07	2.28E-07	3.05E-03	9.62E-07	2.80E-07	2.68E-03	8.47E-07	2.46E-07
2930	486374.61, 3855840.5	2.38E-03	7.51E-07	2.18E-07	2.91E-03	9.20E-07	2.68E-07	2.57E-03	8.10E-07	2.36E-07
2931	486424.61, 3855840.5	2.27E-03	7.15E-07	2.08E-07	2.77E-03	8.76E-07	2.55E-07	2.44E-03	7.71E-07	2.24E-07
2932	486324.61, 3855890.5	2.69E-03	8.49E-07	2.47E-07	3.30E-03	1.04E-06	3.03E-07	2.90E-03	9.16E-07	2.66E-07
2933	486374.61, 3855890.5	2.56E-03	8.07E-07	2.35E-07	3.13E-03	9.88E-07	2.87E-07	2.76E-03	8.70E-07	2.53E-07
2934	486424.61, 3855890.5	2.42E-03	7.64E-07	2.22E-07	2.96E-03	9.35E-07	2.72E-07	2.61E-03	8.24E-07	2.40E-07
2935	488735.69, 3858285.6	1.06E-03	3.33E-07	9.69E-08	1.29E-03	4.08E-07	1.19E-07	1.14E-03	3.59E-07	1.04E-07
2936	488765.69, 3858285.6	1.03E-03	3.25E-07	9.46E-08	1.26E-03	3.98E-07	1.16E-07	1.11E-03	3.50E-07	1.02E-07
2937	488735.69, 3858315.6	1.08E-03	3.39E-07	9.87E-08	1.32E-03	4.16E-07	1.21E-07	1.16E-03	3.65E-07	1.06E-07
2938	488765.69, 3858315.6	1.05E-03	3.31E-07	9.62E-08	1.28E-03	4.05E-07	1.18E-07	1.13E-03	3.56E-07	1.04E-07
2939	478676.63, 3849871.9	2.61E-05	8.24E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.81E-05	8.86E-09	2.58E-09
2940	479326.63, 3849871.9	3.21E-05	1.01E-08	2.95E-09	3.94E-05	1.24E-08	3.61E-09	3.45E-05	1.09E-08	3.17E-09
2941	479376.63, 3849871.9	3.24E-05	1.02E-08	2.98E-09	3.97E-05	1.25E-08	3.65E-09	3.48E-05	1.10E-08	3.20E-09
2942	479426.63, 3849871.9	3.28E-05	1.04E-08	3.01E-09	4.02E-05	1.27E-08	3.69E-09	3.52E-05	1.11E-08	3.24E-09
2943	478726.63, 3849921.9	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.02E-09	2.62E-09
2944	478776.63, 3849921.9	2.71E-05	8.54E-09	2.48E-09	3.32E-05	1.05E-08	3.04E-09	2.91E-05	9.18E-09	2.67E-09
2945	478826.63, 3849921.9	2.75E-05	8.69E-09	2.53E-09	3.37E-05	1.07E-08	3.10E-09	2.96E-05	9.34E-09	2.72E-09
2946	478976.63, 3849921.9	2.90E-05	9.16E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.86E-09
2947	479026.63, 3849921.9	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
2948	479076.63, 3849921.9	3.03E-05	9.56E-09	2.78E-09	3.71E-05	1.17E-08	3.41E-09	3.25E-05	1.03E-08	2.99E-09
2949	479126.63, 3849921.9	3.08E-05	9.73E-09	2.83E-09	3.77E-05	1.19E-08	3.47E-09	3.31E-05	1.04E-08	3.04E-09
2950	479176.63, 3849921.9	3.14E-05	9.91E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.37E-05	1.07E-08	3.10E-09
2951	479226.63, 3849921.9	3.17E-05	1.00E-08	2.91E-09	3.89E-05	1.23E-08	3.57E-09	3.41E-05	1.08E-08	3.13E-09
2952	479276.63, 3849921.9	3.17E-05	1.00E-08	2.91E-09	3.89E-05	1.23E-08	3.57E-09	3.41E-05	1.08E-08	3.13E-09
2953	479326.63, 3849921.9	3.27E-05	1.03E-08	3.00E-09	4.01E-05	1.26E-08	3.68E-09	3.51E-05	1.11E-08	3.22E-09
2954	479376.63, 3849921.9	3.27E-05	1.03E-08	3.00E-09	4.00E-05	1.26E-08	3.67E-09	3.51E-05	1.11E-08	3.22E-09
2955	479426.63, 3849921.9	3.33E-05	1.05E-08	3.06E-09	4.08E-05	1.29E-08	3.75E-09	3.58E-05	1.13E-08	3.29E-09
2956	478726.63, 3849971.9	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.01E-09	2.62E-09
2957	478776.63, 3849971.9	2.70E-05	8.53E-09	2.48E-09	3.31E-05	1.05E-08	3.04E-09	2.91E-05	9.17E-09	2.67E-09
2958	478826.63, 3849971.9	2.75E-05	8.68E-09	2.52E-09	3.37E-05	1.06E-08	3.09E-09	2.95E-05	9.33E-09	2.71E-09
2959	478976.63, 3849971.9	2.92E-05	9.22E-09	2.68E-09	3.58E-05	1.13E-08	3.28E-09	3.14E-05	9.91E-09	2.88E-09
2960	479026.63, 3849971.9	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
2961	479076.63, 3849971.9	3.02E-05	9.54E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.25E-05	1.02E-08	2.98E-09
2962	479126.63, 3849971.9	3.08E-05	9.72E-09	2.83E-09	3.77E-05	1.19E-08	3.46E-09	3.31E-05	1.04E-08	3.04E-09
2963	479176.63, 3849971.9	3.14E-05	9.90E-09	2.88E-09	3.84E-05	1.21E-08	3.53E-09	3.37E-05	1.06E-08	3.09E-09
2964	479226.63, 3849971.9	3.13E-05	9.87E-09	2.87E-09	3.83E-05	1.21E-08	3.52E-09	3.36E-05	1.06E-08	3.08E-09
2965	479276.63, 3849971.9	3.22E-05	1.02E-08	2.96E-09	3.95E-05	1.25E-08	3.62E-09	3.46E-05	1.09E-08	3.18E-09
2966	479326.63, 3849971.9	3.30E-05	1.04E-08	3.03E-09	4.04E-05	1.28E-08	3.71E-09	3.54E-05	1.12E-08	3.25E-09
2967	479376.63, 3849971.9	3.30E-05	1.04E-08	3.03E-09	4.05E-05	1.28E-08	3.72E-09	3.55E-05	1.12E-08	3.26E-09
2968	479426.63, 3849971.9	3.36E-05	1.06E-08	3.08E-09	4.11E-05	1.30E-08	3.78E-09	3.61E-05	1.14E-08	3.31E-09
2969	478726.63, 3850021.9	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.02E-09	2.62E-09
2970	478776.63, 3850021.9	2.70E-05	8.52E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.16E-09	2.66E-09
2971	478826.63, 3850021.9	2.75E-05	8.67E-09	2.52E-09	3.37E-05	1.06E-08	3.09E-09	2.95E-05	9.32E-09	2.71E-09
2972	478976.63, 3850021.9	2.92E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.89E-09	2.88E-09
2973	478726.63, 3850071.9	2.66E-05	8.41E-09	2.45E-09	3.26E-05	1.03E-08	3.00E-09	2.86E-05	9.04E-09	2.63E-09
2974	478776.63, 3850071.9	2.71E-05	8.54E-09	2.48E-09	3.31E-05	1.05E-08	3.04E-09	2.91E-05	9.18E-09	2.67E-09
2975	478826.63, 3850071.9	2.75E-05	8.68E-09	2.53E-09	3.37E-05	1.06E-08	3.09E-09	2.96E-05	9.33E-09	2.71E-09
2976	478876.63, 3850071.9	2.80E-05	8.84E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.50E-09	2.76E-09
2977	478976.63, 3850071.9	2.91E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.88E-09	2.87E-09
2978	478726.63, 3850121.9	2.67E-05	8.44E-09	2.46E-09	3.28E-05	1.03E-08	3.01E-09	2.87E-05	9.07E-09	2.64E-09
2979	478776.63, 3850121.9	2.72E-05	8.58E-09	2.50E-09	3.33E-05	1.05E-08	3.06E-09	2.92E-05	9.22E-09	2.68E-09
2980	478826.63, 3850121.9	2.76E-05	8.71E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.97E-05	9.36E-09	2.72E-09
2981	478876.63, 3850121.9	2.80E-05	8.85E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.51E-09	2.77E-09
2982	478976.63, 3850121.9	2.92E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.89E-09	2.88E-09
2983	479026.63, 3850121.9	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
2984	479076.63, 3850121.9	3.02E-05	9.54E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.25E-05	1.03E-08	2.98E-09
2985	479126.63, 3850121.9	3.08E-05	9.71E-09	2.82E-09	3.77E-05	1.19E-08	3.46E-09	3.31E-05	1.04E-08	3.03E-09

2986	478776.63, 3850171.9	2.73E-05	8.60E-09	2.50E-09	3.34E-05	1.05E-08	3.06E-09	2.93E-05	9.24E-09	2.69E-09
2987	478826.63, 3850171.9	2.76E-05	8.73E-09	2.54E-09	3.39E-05	1.07E-08	3.11E-09	2.97E-05	9.38E-09	2.73E-09
2988	478876.63, 3850171.9	2.81E-05	8.86E-09	2.58E-09	3.44E-05	1.09E-08	3.16E-09	3.02E-05	9.52E-09	2.77E-09
2989	478976.63, 3850171.9	2.92E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.89E-09	2.88E-09
2990	479026.63, 3850171.9	2.97E-05	9.39E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.20E-05	1.01E-08	2.93E-09
2991	479076.63, 3850171.9	3.03E-05	9.55E-09	2.78E-09	3.71E-05	1.17E-08	3.40E-09	3.25E-05	1.03E-08	2.98E-09
2992	479126.63, 3850171.9	3.08E-05	9.72E-09	2.83E-09	3.77E-05	1.19E-08	3.46E-09	3.31E-05	1.04E-08	3.04E-09
2993	479176.63, 3850171.9	3.14E-05	9.91E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.37E-05	1.07E-08	3.10E-09
2994	479226.63, 3850171.9	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
2995	479276.63, 3850171.9	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.54E-05	1.12E-08	3.25E-09
2996	479326.63, 3850171.9	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.30E-09
2997	479376.63, 3850171.9	3.39E-05	1.07E-08	3.11E-09	4.15E-05	1.31E-08	3.81E-09	3.64E-05	1.15E-08	3.34E-09
2998	478676.63, 3850221.9	2.66E-05	8.39E-09	2.44E-09	3.25E-05	1.03E-08	2.99E-09	2.86E-05	9.01E-09	2.62E-09
2999	478726.63, 3850221.9	2.70E-05	8.51E-09	2.48E-09	3.30E-05	1.04E-08	3.03E-09	2.90E-05	9.15E-09	2.66E-09
3000	478976.63, 3850221.9	2.92E-05	9.22E-09	2.68E-09	3.58E-05	1.13E-08	3.29E-09	3.14E-05	9.91E-09	2.88E-09
3001	479026.63, 3850221.9	2.98E-05	9.39E-09	2.73E-09	3.65E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.94E-09
3002	479076.63, 3850221.9	3.03E-05	9.56E-09	2.78E-09	3.71E-05	1.17E-08	3.41E-09	3.25E-05	1.03E-08	2.99E-09
3003	479126.63, 3850221.9	3.08E-05	9.73E-09	2.83E-09	3.78E-05	1.19E-08	3.47E-09	3.31E-05	1.05E-08	3.04E-09
3004	479176.63, 3850221.9	3.15E-05	9.94E-09	2.89E-09	3.86E-05	1.22E-08	3.54E-09	3.39E-05	1.07E-08	3.11E-09
3005	479226.63, 3850221.9	3.22E-05	1.02E-08	2.96E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.18E-09
3006	479276.63, 3850221.9	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.53E-05	1.11E-08	3.24E-09
3007	479326.63, 3850221.9	3.34E-05	1.05E-08	3.06E-09	4.09E-05	1.29E-08	3.75E-09	3.59E-05	1.13E-08	3.29E-09
3008	479376.63, 3850221.9	3.39E-05	1.07E-08	3.12E-09	4.16E-05	1.31E-08	3.82E-09	3.65E-05	1.15E-08	3.35E-09
3009	478676.63, 3850271.9	2.68E-05	8.45E-09	2.46E-09	3.28E-05	1.04E-08	3.01E-09	2.88E-05	9.08E-09	2.64E-09
3010	478726.63, 3850271.9	2.71E-05	8.57E-09	2.49E-09	3.33E-05	1.05E-08	3.05E-09	2.92E-05	9.21E-09	2.68E-09
3011	478976.63, 3850271.9	2.92E-05	9.23E-09	2.68E-09	3.58E-05	1.13E-08	3.29E-09	3.14E-05	9.92E-09	2.89E-09
3012	479026.63, 3850271.9	2.98E-05	9.40E-09	2.74E-09	3.65E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.94E-09
3013	479076.63, 3850271.9	3.03E-05	9.57E-09	2.78E-09	3.71E-05	1.17E-08	3.41E-09	3.26E-05	1.03E-08	2.99E-09
3014	479126.63, 3850271.9	3.09E-05	9.75E-09	2.84E-09	3.78E-05	1.19E-08	3.47E-09	3.32E-05	1.05E-08	3.05E-09
3015	479176.63, 3850271.9	3.15E-05	9.94E-09	2.89E-09	3.86E-05	1.22E-08	3.54E-09	3.38E-05	1.07E-08	3.11E-09
3016	479226.63, 3850271.9	3.21E-05	1.01E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.45E-05	1.09E-08	3.17E-09
3017	479276.63, 3850271.9	3.28E-05	1.03E-08	3.01E-09	4.01E-05	1.27E-08	3.68E-09	3.52E-05	1.11E-08	3.23E-09
3018	479326.63, 3850271.9	3.33E-05	1.05E-08	3.06E-09	4.08E-05	1.29E-08	3.75E-09	3.58E-05	1.13E-08	3.29E-09
3019	479376.63, 3850271.9	3.38E-05	1.07E-08	3.11E-09	4.14E-05	1.31E-08	3.80E-09	3.63E-05	1.15E-08	3.34E-09
3020	479053.24, 3850293.5	3.01E-05	9.50E-09	2.76E-09	3.69E-05	1.16E-08	3.39E-09	3.24E-05	1.02E-08	2.97E-09
3021	479103.24, 3850293.5	3.07E-05	9.68E-09	2.81E-09	3.76E-05	1.19E-08	3.45E-09	3.29E-05	1.04E-08	3.02E-09
3022	479153.24, 3850293.5	3.12E-05	9.85E-09	2.86E-09	3.82E-05	1.21E-08	3.51E-09	3.35E-05	1.06E-08	3.08E-09
3023	479203.24, 3850293.5	3.18E-05	1.01E-08	2.92E-09	3.90E-05	1.23E-08	3.58E-09	3.42E-05	1.08E-08	3.14E-09
3024	479253.24, 3850293.5	3.25E-05	1.03E-08	2.98E-09	3.98E-05	1.26E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
3025	479303.24, 3850293.5	3.30E-05	1.04E-08	3.03E-09	4.04E-05	1.28E-08	3.71E-09	3.55E-05	1.12E-08	3.26E-09
3026	479353.24, 3850293.5	3.36E-05	1.06E-08	3.08E-09	4.11E-05	1.30E-08	3.77E-09	3.61E-05	1.14E-08	3.31E-09
3027	479153.24, 3850343.5	3.13E-05	9.86E-09	2.87E-09	3.83E-05	1.21E-08	3.51E-09	3.36E-05	1.06E-08	3.08E-09
3028	479203.24, 3850343.5	3.18E-05	1.01E-08	2.92E-09	3.90E-05	1.23E-08	3.58E-09	3.42E-05	1.08E-08	3.14E-09
3029	479253.24, 3850343.5	3.24E-05	1.02E-08	2.97E-09	3.97E-05	1.25E-08	3.64E-09	3.48E-05	1.10E-08	3.19E-09
3030	479303.24, 3850343.5	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.54E-05	1.12E-08	3.25E-09
3031	479353.24, 3850343.5	3.34E-05	1.06E-08	3.07E-09	4.10E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.30E-09
3032	479203.24, 3850393.5	3.18E-05	1.00E-08	2.92E-09	3.89E-05	1.23E-08	3.57E-09	3.42E-05	1.08E-08	3.14E-09
3033	479253.24, 3850393.5	3.23E-05	1.02E-08	2.97E-09	3.96E-05	1.25E-08	3.64E-09	3.47E-05	1.10E-08	3.19E-09
3034	479303.24, 3850393.5	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.53E-05	1.11E-08	3.24E-09
3035	479353.24, 3850393.5	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.29E-09
3036	479403.24, 3850393.5	3.39E-05	1.07E-08	3.12E-09	4.16E-05	1.31E-08	3.82E-09	3.65E-05	1.15E-08	3.35E-09
3037	479453.24, 3850393.5	3.45E-05	1.09E-08	3.16E-09	4.22E-05	1.33E-08	3.88E-09	3.70E-05	1.17E-08	3.40E-09
3038	479503.24, 3850393.5	3.49E-05	1.10E-08	3.21E-09	4.28E-05	1.35E-08	3.93E-09	3.75E-05	1.18E-08	3.45E-09
3039	479303.24, 3850443.5	3.28E-05	1.03E-08	3.01E-09	4.01E-05	1.27E-08	3.68E-09	3.52E-05	1.11E-08	3.23E-09
3040	479353.24, 3850443.5	3.33E-05	1.05E-08	3.06E-09	4.08E-05	1.29E-08	3.74E-09	3.58E-05	1.13E-08	3.28E-09
3041	479403.24, 3850443.5	3.38E-05	1.07E-08	3.10E-09	4.14E-05	1.31E-08	3.80E-09	3.63E-05	1.15E-08	3.33E-09
3042	479453.24, 3850443.5	3.43E-05	1.08E-08	3.15E-09	4.20E-05	1.33E-08	3.86E-09	3.69E-05	1.16E-08	3.38E-09
3043	479503.24, 3850443.5	3.48E-05	1.10E-08	3.19E-09	4.26E-05	1.34E-08	3.91E-09	3.74E-05	1.18E-08	3.43E-09
3044	480327.18, 3850987.0	4.60E-05	1.45E-08	4.22E-09	5.63E-05	1.78E-08	5.17E-09	4.94E-05	1.56E-08	4.53E-09
3045	480377.18, 3850987.0	4.66E-05	1.47E-08	4.28E-09	5.71E-05	1.80E-08	5.24E-09	5.00E-05	1.58E-08	4.59E-09
3046	480427.18, 3850987.0	4.72E-05	1.49E-08	4.33E-09	5.78E-05	1.82E-08	5.31E-09	5.07E-05	1.60E-08	4.65E-09

3047	480477.18, 3850987.0	4.77E-05	1.51E-08	4.38E-09	5.84E-05	1.84E-08	5.36E-09	5.12E-05	1.62E-08	4.70E-09
3048	480327.18, 3851037.0	4.60E-05	1.45E-08	4.22E-09	5.64E-05	1.78E-08	5.17E-09	4.94E-05	1.56E-08	4.54E-09
3049	480377.18, 3851037.0	4.67E-05	1.47E-08	4.29E-09	5.72E-05	1.81E-08	5.25E-09	5.02E-05	1.58E-08	4.61E-09
3050	480427.18, 3851037.0	4.74E-05	1.49E-08	4.35E-09	5.80E-05	1.83E-08	5.33E-09	5.09E-05	1.61E-08	4.67E-09
3051	480477.18, 3851037.0	4.80E-05	1.51E-08	4.40E-09	5.88E-05	1.85E-08	5.39E-09	5.15E-05	1.63E-08	4.73E-09
3052	480622.06, 3851087.3	4.98E-05	1.57E-08	4.57E-09	6.10E-05	1.93E-08	5.60E-09	5.35E-05	1.69E-08	4.91E-09
3053	480672.06, 3851087.3	5.03E-05	1.59E-08	4.62E-09	6.16E-05	1.94E-08	5.65E-09	5.40E-05	1.71E-08	4.96E-09
3054	480622.06, 3851137.3	5.02E-05	1.58E-08	4.61E-09	6.15E-05	1.94E-08	5.64E-09	5.39E-05	1.70E-08	4.95E-09
3055	480672.06, 3851137.3	5.07E-05	1.60E-08	4.65E-09	6.21E-05	1.96E-08	5.70E-09	5.45E-05	1.72E-08	5.00E-09
3056	480722.06, 3851137.3	5.12E-05	1.62E-08	4.70E-09	6.27E-05	1.98E-08	5.76E-09	5.50E-05	1.74E-08	5.05E-09
3057	480622.06, 3851187.3	5.04E-05	1.59E-08	4.63E-09	6.18E-05	1.95E-08	5.67E-09	5.42E-05	1.71E-08	4.97E-09
3058	480672.06, 3851187.3	5.10E-05	1.61E-08	4.69E-09	6.25E-05	1.97E-08	5.74E-09	5.48E-05	1.73E-08	5.03E-09
3059	480722.06, 3851187.3	5.16E-05	1.63E-08	4.74E-09	6.32E-05	1.99E-08	5.80E-09	5.54E-05	1.75E-08	5.09E-09
3060	471363.09, 3845877.2	7.13E-06	2.25E-09	6.54E-10	8.73E-06	2.76E-09	8.01E-10	7.65E-06	2.42E-09	7.03E-10
3061	471863.09, 3845877.2	6.83E-06	2.16E-09	6.27E-10	8.37E-06	2.64E-09	7.68E-10	7.34E-06	2.32E-09	6.73E-10
3062	472363.09, 3845877.2	7.44E-06	2.35E-09	6.83E-10	9.11E-06	2.88E-09	8.36E-10	7.99E-06	2.52E-09	7.33E-10
3063	472863.09, 3845877.2	6.26E-06	1.98E-09	5.75E-10	7.67E-06	2.42E-09	7.04E-10	6.72E-06	2.12E-09	6.17E-10
3064	473363.09, 3845877.2	6.12E-06	1.93E-09	5.62E-10	7.49E-06	2.36E-09	6.88E-10	6.57E-06	2.07E-09	6.03E-10
3065	473863.09, 3845877.2	6.42E-06	2.02E-09	5.89E-10	7.86E-06	2.48E-09	7.21E-10	6.89E-06	2.17E-09	6.33E-10
3066	474363.09, 3845877.2	7.59E-06	2.40E-09	6.97E-10	9.30E-06	2.94E-09	8.54E-10	8.16E-06	2.57E-09	7.49E-10
3067	474863.09, 3845877.2	9.63E-06	3.04E-09	8.84E-10	1.18E-05	3.72E-09	1.08E-09	1.03E-05	3.26E-09	9.49E-10
3068	475363.09, 3845877.2	1.22E-05	3.84E-09	1.12E-09	1.49E-05	4.71E-09	1.37E-09	1.31E-05	4.13E-09	1.20E-09
3069	475863.09, 3845877.2	1.27E-05	4.00E-09	1.16E-09	1.55E-05	4.90E-09	1.43E-09	1.36E-05	4.30E-09	1.25E-09
3070	476363.09, 3845877.2	1.17E-05	3.71E-09	1.08E-09	1.44E-05	4.54E-09	1.32E-09	1.26E-05	3.98E-09	1.16E-09
3071	476863.09, 3845877.2	1.06E-05	3.34E-09	9.72E-10	1.30E-05	4.09E-09	1.19E-09	1.14E-05	3.59E-09	1.04E-09
3072	477363.09, 3845877.2	8.88E-06	2.80E-09	8.16E-10	1.09E-05	3.43E-09	9.99E-10	9.54E-06	3.01E-09	8.76E-10
3073	477863.09, 3845877.2	7.72E-06	2.44E-09	7.09E-10	9.46E-06	2.99E-09	8.68E-10	8.29E-06	2.62E-09	7.61E-10
3074	478363.09, 3845877.2	7.44E-06	2.35E-09	6.83E-10	9.11E-06	2.88E-09	8.37E-10	8.00E-06	2.52E-09	7.34E-10
3075	478863.09, 3845877.2	7.13E-06	2.25E-09	6.55E-10	8.74E-06	2.76E-09	8.02E-10	7.66E-06	2.42E-09	7.03E-10
3076	479363.09, 3845877.2	6.87E-06	2.17E-09	6.31E-10	8.41E-06	2.66E-09	7.73E-10	7.38E-06	2.33E-09	6.77E-10
3077	479863.09, 3845877.2	6.64E-06	2.10E-09	6.10E-10	8.13E-06	2.57E-09	7.47E-10	7.13E-06	2.25E-09	6.55E-10
3078	480363.09, 3845877.2	5.60E-06	1.77E-09	5.14E-10	6.86E-06	2.17E-09	6.30E-10	6.02E-06	1.90E-09	5.53E-10
3079	480863.09, 3845877.2	5.06E-06	1.60E-09	4.65E-10	6.20E-06	1.96E-09	5.69E-10	5.44E-06	1.72E-09	4.99E-10
3080	481363.09, 3845877.2	4.67E-06	1.48E-09	4.29E-10	5.73E-06	1.81E-09	5.26E-10	5.02E-06	1.58E-09	4.61E-10
3081	481863.09, 3845877.2	4.19E-06	1.32E-09	3.84E-10	5.13E-06	1.62E-09	4.71E-10	4.50E-06	1.42E-09	4.13E-10
3082	482363.09, 3845877.2	3.76E-06	1.19E-09	3.46E-10	4.61E-06	1.46E-09	4.23E-10	4.05E-06	1.28E-09	3.71E-10
3083	482863.09, 3845877.2	3.05E-06	9.63E-10	2.80E-10	3.74E-06	1.18E-09	3.43E-10	3.28E-06	1.03E-09	3.01E-10
3084	483363.09, 3845877.2	2.80E-06	8.84E-10	2.57E-10	3.43E-06	1.08E-09	3.15E-10	3.01E-06	9.49E-10	2.76E-10
3085	483863.09, 3845877.2	3.18E-06	1.00E-09	2.92E-10	3.90E-06	1.23E-09	3.58E-10	3.42E-06	1.08E-09	3.14E-10
3086	484363.09, 3845877.2	3.12E-06	9.86E-10	2.87E-10	3.82E-06	1.21E-09	3.51E-10	3.35E-06	1.06E-09	3.08E-10
3087	484863.09, 3845877.2	2.97E-06	9.36E-10	2.72E-10	3.63E-06	1.15E-09	3.34E-10	3.19E-06	1.01E-09	2.93E-10
3088	485363.09, 3845877.2	2.79E-06	8.82E-10	2.57E-10	3.42E-06	1.08E-09	3.14E-10	3.00E-06	9.47E-10	2.76E-10
3089	485863.09, 3845877.2	2.74E-06	8.65E-10	2.52E-10	3.36E-06	1.06E-09	3.08E-10	2.94E-06	9.29E-10	2.70E-10
3090	486363.09, 3845877.2	2.61E-06	8.24E-10	2.40E-10	3.20E-06	1.01E-09	2.94E-10	2.80E-06	8.85E-10	2.57E-10
3091	486863.09, 3845877.2	2.42E-06	7.64E-10	2.22E-10	2.97E-06	9.36E-10	2.72E-10	2.60E-06	8.21E-10	2.39E-10
3092	487363.09, 3845877.2	2.37E-06	7.47E-10	2.17E-10	2.90E-06	9.15E-10	2.66E-10	2.54E-06	8.02E-10	2.33E-10
3093	487863.09, 3845877.2	2.21E-06	6.97E-10	2.03E-10	2.71E-06	8.54E-10	2.48E-10	2.37E-06	7.49E-10	2.18E-10
3094	488363.09, 3845877.2	2.13E-06	6.71E-10	1.95E-10	2.61E-06	8.22E-10	2.39E-10	2.28E-06	7.21E-10	2.10E-10
3095	488863.09, 3845877.2	2.34E-06	7.40E-10	2.15E-10	2.87E-06	9.06E-10	2.64E-10	2.52E-06	7.95E-10	2.31E-10
3096	489363.09, 3845877.2	2.34E-06	7.38E-10	2.15E-10	2.87E-06	9.05E-10	2.63E-10	2.51E-06	7.93E-10	2.31E-10
3097	489863.09, 3845877.2	2.24E-06	7.08E-10	2.06E-10	2.75E-06	8.67E-10	2.52E-10	2.41E-06	7.60E-10	2.21E-10
3098	490363.09, 3845877.2	2.13E-06	6.73E-10	1.96E-10	2.61E-06	8.24E-10	2.40E-10	2.29E-06	7.22E-10	2.10E-10
3099	490863.09, 3845877.2	1.92E-06	6.07E-10	1.76E-10	2.35E-06	7.43E-10	2.16E-10	2.06E-06	6.51E-10	1.89E-10
3100	491363.09, 3845877.2	2.10E-06	6.64E-10	1.93E-10	2.58E-06	8.13E-10	2.37E-10	2.26E-06	7.12E-10	2.07E-10
3101	491863.09, 3845877.2	2.26E-06	7.14E-10	2.08E-10	2.77E-06	8.74E-10	2.54E-10	2.43E-06	7.66E-10	2.23E-10
3102	492363.09, 3845877.2	2.14E-06	6.74E-10	1.96E-10	2.62E-06	8.26E-10	2.40E-10	2.29E-06	7.24E-10	2.11E-10
3103	492863.09, 3845877.2	2.45E-06	7.72E-10	2.25E-10	3.00E-06	9.46E-10	2.75E-10	2.63E-06	8.29E-10	2.41E-10
3104	493363.09, 3845877.2	2.64E-06	8.35E-10	2.43E-10	3.24E-06	1.02E-09	2.97E-10	2.84E-06	8.96E-10	2.61E-10
3105	493863.09, 3845877.2	2.88E-06	9.08E-10	2.64E-10	3.52E-06	1.11E-09	3.24E-10	3.09E-06	9.75E-10	2.84E-10
3106	494363.09, 3845877.2	3.07E-06	9.70E-10	2.82E-10	3.76E-06	1.19E-09	3.46E-10	3.30E-06	1.04E-09	3.03E-10
3107	494863.09, 3845877.2	3.25E-06	1.03E-09	2.98E-10	3.98E-06	1.26E-09	3.66E-10	3.49E-06	1.10E-09	3.21E-10

3108	495363.09, 3845877.2	3.49E-06	1.10E-09	3.20E-10	4.27E-06	1.35E-09	3.92E-10	3.74E-06	1.18E-09	3.44E-10
3109	495863.09, 3845877.2	3.75E-06	1.18E-09	3.44E-10	4.59E-06	1.45E-09	4.21E-10	4.02E-06	1.27E-09	3.69E-10
3110	496363.09, 3845877.2	4.03E-06	1.27E-09	3.70E-10	4.94E-06	1.56E-09	4.53E-10	4.33E-06	1.37E-09	3.97E-10
3111	496863.09, 3845877.2	4.25E-06	1.34E-09	3.90E-10	5.21E-06	1.64E-09	4.78E-10	4.56E-06	1.44E-09	4.19E-10
3112	497363.09, 3845877.2	4.47E-06	1.41E-09	4.10E-10	5.47E-06	1.73E-09	5.02E-10	4.79E-06	1.51E-09	4.40E-10
3113	497863.09, 3845877.2	4.74E-06	1.50E-09	4.35E-10	5.81E-06	1.83E-09	5.33E-10	5.09E-06	1.61E-09	4.67E-10
3114	498363.09, 3845877.2	5.00E-06	1.58E-09	4.59E-10	6.12E-06	1.93E-09	5.62E-10	5.37E-06	1.69E-09	4.93E-10
3115	471363.09, 3846377.2	1.07E-05	3.37E-09	9.81E-10	1.31E-05	4.13E-09	1.20E-09	1.15E-05	3.62E-09	1.05E-09
3116	471863.09, 3846377.2	9.95E-06	3.14E-09	9.13E-10	1.22E-05	3.85E-09	1.12E-09	1.07E-05	3.37E-09	9.81E-10
3117	472363.09, 3846377.2	7.40E-06	2.34E-09	6.80E-10	9.07E-06	2.86E-09	8.32E-10	7.95E-06	2.51E-09	7.30E-10
3118	472863.09, 3846377.2	7.50E-06	2.37E-09	6.88E-10	9.19E-06	2.90E-09	8.43E-10	8.05E-06	2.54E-09	7.39E-10
3119	473363.09, 3846377.2	7.40E-06	2.34E-09	6.79E-10	9.06E-06	2.86E-09	8.32E-10	7.95E-06	2.51E-09	7.30E-10
3120	473863.09, 3846377.2	7.45E-06	2.35E-09	6.84E-10	9.13E-06	2.88E-09	8.38E-10	8.00E-06	2.53E-09	7.35E-10
3121	474363.09, 3846377.2	7.77E-06	2.45E-09	7.13E-10	9.52E-06	3.00E-09	8.74E-10	8.34E-06	2.63E-09	7.66E-10
3122	474863.09, 3846377.2	9.01E-06	2.84E-09	8.27E-10	1.10E-05	3.48E-09	1.01E-09	9.68E-06	3.05E-09	8.88E-10
3123	475363.09, 3846377.2	1.12E-05	3.53E-09	1.03E-09	1.37E-05	4.32E-09	1.26E-09	1.20E-05	3.79E-09	1.10E-09
3124	475863.09, 3846377.2	1.39E-05	4.39E-09	1.28E-09	1.70E-05	5.38E-09	1.56E-09	1.49E-05	4.71E-09	1.37E-09
3125	476363.09, 3846377.2	1.39E-05	4.40E-09	1.28E-09	1.71E-05	5.39E-09	1.57E-09	1.50E-05	4.73E-09	1.38E-09
3126	476863.09, 3846377.2	1.29E-05	4.07E-09	1.18E-09	1.58E-05	4.98E-09	1.45E-09	1.38E-05	4.37E-09	1.27E-09
3127	477363.09, 3846377.2	1.16E-05	3.66E-09	1.07E-09	1.42E-05	4.49E-09	1.30E-09	1.25E-05	3.93E-09	1.14E-09
3128	477863.09, 3846377.2	9.45E-06	2.98E-09	8.67E-10	1.16E-05	3.65E-09	1.06E-09	1.01E-05	3.20E-09	9.32E-10
3129	478363.09, 3846377.2	8.55E-06	2.70E-09	7.85E-10	1.05E-05	3.30E-09	9.61E-10	9.18E-06	2.90E-09	8.43E-10
3130	478863.09, 3846377.2	8.55E-06	2.70E-09	7.85E-10	1.05E-05	3.30E-09	9.61E-10	9.18E-06	2.90E-09	8.43E-10
3131	479363.09, 3846377.2	8.20E-06	2.59E-09	7.53E-10	1.00E-05	3.17E-09	9.22E-10	8.81E-06	2.78E-09	8.08E-10
3132	479863.09, 3846377.2	7.42E-06	2.34E-09	6.81E-10	9.09E-06	2.87E-09	8.34E-10	7.97E-06	2.51E-09	7.31E-10
3133	480363.09, 3846377.2	7.27E-06	2.29E-09	6.67E-10	8.91E-06	2.81E-09	8.18E-10	7.81E-06	2.47E-09	7.17E-10
3134	480863.09, 3846377.2	5.96E-06	1.88E-09	5.47E-10	7.30E-06	2.30E-09	6.70E-10	6.40E-06	2.02E-09	5.88E-10
3135	481363.09, 3846377.2	5.61E-06	1.77E-09	5.15E-10	6.87E-06	2.17E-09	6.31E-10	6.02E-06	1.90E-09	5.53E-10
3136	481863.09, 3846377.2	4.99E-06	1.57E-09	4.58E-10	6.11E-06	1.93E-09	5.61E-10	5.36E-06	1.69E-09	4.92E-10
3137	482363.09, 3846377.2	4.29E-06	1.35E-09	3.94E-10	5.26E-06	1.66E-09	4.83E-10	4.61E-06	1.46E-09	4.24E-10
3138	482863.09, 3846377.2	3.64E-06	1.15E-09	3.34E-10	4.46E-06	1.41E-09	4.09E-10	3.91E-06	1.23E-09	3.59E-10
3139	483363.09, 3846377.2	3.82E-06	1.20E-09	3.50E-10	4.68E-06	1.48E-09	4.29E-10	4.10E-06	1.29E-09	3.76E-10
3140	483863.09, 3846377.2	3.65E-06	1.15E-09	3.35E-10	4.47E-06	1.41E-09	4.11E-10	3.92E-06	1.24E-09	3.60E-10
3141	484363.09, 3846377.2	3.26E-06	1.03E-09	2.99E-10	3.99E-06	1.26E-09	3.67E-10	3.50E-06	1.11E-09	3.22E-10
3142	484863.09, 3846377.2	3.49E-06	1.10E-09	3.21E-10	4.28E-06	1.35E-09	3.93E-10	3.75E-06	1.18E-09	3.45E-10
3143	485363.09, 3846377.2	3.42E-06	1.08E-09	3.14E-10	4.19E-06	1.32E-09	3.85E-10	3.67E-06	1.16E-09	3.37E-10
3144	485863.09, 3846377.2	3.09E-06	9.76E-10	2.84E-10	3.79E-06	1.20E-09	3.48E-10	3.32E-06	1.05E-09	3.05E-10
3145	486363.09, 3846377.2	2.61E-06	8.25E-10	2.40E-10	3.20E-06	1.01E-09	2.94E-10	2.81E-06	8.86E-10	2.58E-10
3146	486863.09, 3846377.2	2.50E-06	7.90E-10	2.30E-10	3.06E-06	9.67E-10	2.81E-10	2.69E-06	8.48E-10	2.47E-10
3147	487363.09, 3846377.2	2.52E-06	7.97E-10	2.32E-10	3.09E-06	9.76E-10	2.84E-10	2.71E-06	8.55E-10	2.49E-10
3148	487863.09, 3846377.2	2.70E-06	8.52E-10	2.48E-10	3.30E-06	1.04E-09	3.03E-10	2.90E-06	9.14E-10	2.66E-10
3149	488363.09, 3846377.2	2.62E-06	8.26E-10	2.40E-10	3.20E-06	1.01E-09	2.94E-10	2.81E-06	8.87E-10	2.58E-10
3150	488863.09, 3846377.2	2.62E-06	8.27E-10	2.41E-10	3.21E-06	1.01E-09	2.95E-10	2.81E-06	8.88E-10	2.58E-10
3151	489363.09, 3846377.2	2.57E-06	8.12E-10	2.36E-10	3.15E-06	9.95E-10	2.89E-10	2.76E-06	8.73E-10	2.54E-10
3152	489863.09, 3846377.2	2.48E-06	7.83E-10	2.28E-10	3.04E-06	9.59E-10	2.79E-10	2.66E-06	8.41E-10	2.45E-10
3153	490363.09, 3846377.2	2.23E-06	7.05E-10	2.05E-10	2.74E-06	8.63E-10	2.51E-10	2.40E-06	7.57E-10	2.20E-10
3154	490863.09, 3846377.2	2.18E-06	6.89E-10	2.00E-10	2.67E-06	8.44E-10	2.45E-10	2.34E-06	7.39E-10	2.15E-10
3155	491363.09, 3846377.2	2.24E-06	7.08E-10	2.06E-10	2.75E-06	8.67E-10	2.52E-10	2.41E-06	7.59E-10	2.21E-10
3156	491863.09, 3846377.2	2.51E-06	7.93E-10	2.31E-10	3.08E-06	9.72E-10	2.83E-10	2.70E-06	8.51E-10	2.48E-10
3157	492363.09, 3846377.2	2.54E-06	8.03E-10	2.34E-10	3.12E-06	9.84E-10	2.86E-10	2.73E-06	8.62E-10	2.51E-10
3158	492863.09, 3846377.2	2.67E-06	8.41E-10	2.45E-10	3.26E-06	1.03E-09	3.00E-10	2.86E-06	9.03E-10	2.63E-10
3159	493363.09, 3846377.2	2.98E-06	9.40E-10	2.73E-10	3.65E-06	1.15E-09	3.35E-10	3.20E-06	1.01E-09	2.94E-10
3160	493863.09, 3846377.2	3.23E-06	1.02E-09	2.97E-10	3.96E-06	1.25E-09	3.63E-10	3.47E-06	1.09E-09	3.18E-10
3161	494363.09, 3846377.2	3.47E-06	1.09E-09	3.18E-10	4.25E-06	1.34E-09	3.90E-10	3.72E-06	1.18E-09	3.42E-10
3162	494863.09, 3846377.2	3.70E-06	1.17E-09	3.40E-10	4.53E-06	1.43E-09	4.16E-10	3.98E-06	1.25E-09	3.65E-10
3163	495363.09, 3846377.2	3.96E-06	1.25E-09	3.64E-10	4.85E-06	1.53E-09	4.45E-10	4.25E-06	1.34E-09	3.90E-10
3164	495863.09, 3846377.2	4.29E-06	1.35E-09	3.94E-10	5.25E-06	1.66E-09	4.82E-10	4.60E-06	1.45E-09	4.23E-10
3165	496363.09, 3846377.2	4.61E-06	1.45E-09	4.23E-10	5.64E-06	1.78E-09	5.18E-10	4.95E-06	1.56E-09	4.54E-10
3166	496863.09, 3846377.2	4.94E-06	1.56E-09	4.53E-10	6.05E-06	1.91E-09	5.55E-10	5.30E-06	1.67E-09	4.87E-10
3167	497363.09, 3846377.2	5.25E-06	1.66E-09	4.82E-10	6.44E-06	2.03E-09	5.91E-10	5.64E-06	1.78E-09	5.18E-10
3168	497863.09, 3846377.2	5.55E-06	1.75E-09	5.10E-10	6.80E-06	2.15E-09	6.24E-10	5.96E-06	1.88E-09	5.47E-10

3169	498363.09, 3846377.2	5.83E-06	1.84E-09	5.35E-10	7.14E-06	2.25E-09	6.56E-10	6.26E-06	1.98E-09	5.75E-10
3170	471363.09, 3846877.2	1.17E-05	3.69E-09	1.07E-09	1.43E-05	4.52E-09	1.31E-09	1.25E-05	3.96E-09	1.15E-09
3171	471863.09, 3846877.2	1.18E-05	3.72E-09	1.08E-09	1.44E-05	4.55E-09	1.32E-09	1.26E-05	3.99E-09	1.16E-09
3172	472363.09, 3846877.2	1.14E-05	3.59E-09	1.04E-09	1.39E-05	4.40E-09	1.28E-09	1.22E-05	3.86E-09	1.12E-09
3173	472863.09, 3846877.2	7.94E-06	2.50E-09	7.29E-10	9.72E-06	3.07E-09	8.92E-10	8.52E-06	2.69E-09	7.82E-10
3174	473363.09, 3846877.2	8.66E-06	2.73E-09	7.95E-10	1.06E-05	3.35E-09	9.74E-10	9.30E-06	2.93E-09	8.54E-10
3175	473863.09, 3846877.2	9.23E-06	2.91E-09	8.47E-10	1.13E-05	3.57E-09	1.04E-09	9.91E-06	3.13E-09	9.10E-10
3176	474363.09, 3846877.2	8.75E-06	2.76E-09	8.03E-10	1.07E-05	3.38E-09	9.84E-10	9.40E-06	2.97E-09	8.63E-10
3177	474863.09, 3846877.2	8.77E-06	2.77E-09	8.05E-10	1.07E-05	3.39E-09	9.86E-10	9.42E-06	2.97E-09	8.65E-10
3178	475363.09, 3846877.2	9.56E-06	3.02E-09	8.78E-10	1.17E-05	3.70E-09	1.07E-09	1.03E-05	3.24E-09	9.43E-10
3179	475863.09, 3846877.2	1.25E-05	3.94E-09	1.15E-09	1.53E-05	4.83E-09	1.40E-09	1.34E-05	4.23E-09	1.23E-09
3180	476363.09, 3846877.2	1.52E-05	4.81E-09	1.40E-09	1.87E-05	5.89E-09	1.71E-09	1.64E-05	5.17E-09	1.50E-09
3181	476863.09, 3846877.2	1.53E-05	4.84E-09	1.41E-09	1.88E-05	5.93E-09	1.72E-09	1.65E-05	5.20E-09	1.51E-09
3182	477363.09, 3846877.2	1.43E-05	4.50E-09	1.31E-09	1.75E-05	5.52E-09	1.61E-09	1.53E-05	4.84E-09	1.41E-09
3183	477863.09, 3846877.2	1.24E-05	3.92E-09	1.14E-09	1.52E-05	4.80E-09	1.40E-09	1.33E-05	4.21E-09	1.22E-09
3184	478363.09, 3846877.2	1.05E-05	3.33E-09	9.68E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.57E-09	1.04E-09
3185	478863.09, 3846877.2	1.01E-05	3.20E-09	9.30E-10	1.24E-05	3.92E-09	1.14E-09	1.09E-05	3.44E-09	1.00E-09
3186	479363.09, 3846877.2	9.73E-06	3.07E-09	8.93E-10	1.19E-05	3.76E-09	1.09E-09	1.04E-05	3.30E-09	9.59E-10
3187	479863.09, 3846877.2	7.59E-06	2.40E-09	6.97E-10	9.30E-06	2.93E-09	8.54E-10	8.15E-06	2.57E-09	7.48E-10
3188	480363.09, 3846877.2	6.38E-06	2.01E-09	5.86E-10	7.82E-06	2.47E-09	7.18E-10	6.86E-06	2.16E-09	6.30E-10
3189	480863.09, 3846877.2	5.78E-06	1.83E-09	5.31E-10	7.08E-06	2.24E-09	6.50E-10	6.21E-06	1.96E-09	5.70E-10
3190	481363.09, 3846877.2	5.87E-06	1.85E-09	5.39E-10	7.19E-06	2.27E-09	6.60E-10	6.31E-06	1.99E-09	5.79E-10
3191	481863.09, 3846877.2	5.62E-06	1.77E-09	5.16E-10	6.89E-06	2.17E-09	6.32E-10	6.04E-06	1.91E-09	5.54E-10
3192	482363.09, 3846877.2	4.63E-06	1.46E-09	4.25E-10	5.67E-06	1.79E-09	5.21E-10	4.98E-06	1.57E-09	4.57E-10
3193	482863.09, 3846877.2	4.52E-06	1.43E-09	4.15E-10	5.53E-06	1.75E-09	5.08E-10	4.85E-06	1.53E-09	4.45E-10
3194	483363.09, 3846877.2	4.44E-06	1.40E-09	4.08E-10	5.44E-06	1.72E-09	5.00E-10	4.77E-06	1.51E-09	4.38E-10
3195	483863.09, 3846877.2	4.22E-06	1.33E-09	3.87E-10	5.17E-06	1.63E-09	4.75E-10	4.53E-06	1.43E-09	4.16E-10
3196	484363.09, 3846877.2	4.07E-06	1.28E-09	3.74E-10	4.98E-06	1.57E-09	4.58E-10	4.37E-06	1.38E-09	4.01E-10
3197	484863.09, 3846877.2	3.90E-06	1.23E-09	3.58E-10	4.78E-06	1.51E-09	4.39E-10	4.19E-06	1.32E-09	3.85E-10
3198	485363.09, 3846877.2	3.83E-06	1.21E-09	3.52E-10	4.69E-06	1.48E-09	4.31E-10	4.11E-06	1.30E-09	3.78E-10
3199	485863.09, 3846877.2	3.50E-06	1.11E-09	3.22E-10	4.29E-06	1.35E-09	3.94E-10	3.76E-06	1.19E-09	3.46E-10
3200	486363.09, 3846877.2	3.53E-06	1.12E-09	3.24E-10	4.33E-06	1.37E-09	3.97E-10	3.80E-06	1.20E-09	3.49E-10
3201	486863.09, 3846877.2	3.09E-06	9.76E-10	2.84E-10	3.79E-06	1.19E-09	3.48E-10	3.32E-06	1.05E-09	3.05E-10
3202	487363.09, 3846877.2	3.11E-06	9.83E-10	2.86E-10	3.82E-06	1.20E-09	3.50E-10	3.35E-06	1.06E-09	3.07E-10
3203	487863.09, 3846877.2	3.01E-06	9.50E-10	2.76E-10	3.69E-06	1.16E-09	3.38E-10	3.23E-06	1.02E-09	2.97E-10
3204	488363.09, 3846877.2	2.91E-06	9.19E-10	2.67E-10	3.57E-06	1.13E-09	3.27E-10	3.13E-06	9.87E-10	2.87E-10
3205	488863.09, 3846877.2	2.91E-06	9.19E-10	2.67E-10	3.57E-06	1.13E-09	3.28E-10	3.13E-06	9.87E-10	2.87E-10
3206	489363.09, 3846877.2	2.89E-06	9.11E-10	2.65E-10	3.53E-06	1.12E-09	3.25E-10	3.10E-06	9.79E-10	2.85E-10
3207	489863.09, 3846877.2	2.82E-06	8.89E-10	2.59E-10	3.45E-06	1.09E-09	3.17E-10	3.03E-06	9.55E-10	2.78E-10
3208	490363.09, 3846877.2	2.59E-06	8.18E-10	2.38E-10	3.18E-06	1.00E-09	2.92E-10	2.78E-06	8.78E-10	2.55E-10
3209	490863.09, 3846877.2	2.60E-06	8.21E-10	2.39E-10	3.18E-06	1.01E-09	2.92E-10	2.79E-06	8.80E-10	2.56E-10
3210	491363.09, 3846877.2	2.67E-06	8.44E-10	2.45E-10	3.27E-06	1.03E-09	3.01E-10	2.87E-06	9.06E-10	2.63E-10
3211	491863.09, 3846877.2	2.66E-06	8.41E-10	2.45E-10	3.26E-06	1.03E-09	3.00E-10	2.86E-06	9.03E-10	2.63E-10
3212	492363.09, 3846877.2	3.04E-06	9.59E-10	2.79E-10	3.72E-06	1.17E-09	3.42E-10	3.26E-06	1.03E-09	3.00E-10
3213	492863.09, 3846877.2	3.22E-06	1.02E-09	2.95E-10	3.94E-06	1.24E-09	3.62E-10	3.45E-06	1.09E-09	3.17E-10
3214	493363.09, 3846877.2	3.49E-06	1.10E-09	3.20E-10	4.27E-06	1.35E-09	3.92E-10	3.75E-06	1.18E-09	3.44E-10
3215	493863.09, 3846877.2	3.72E-06	1.17E-09	3.42E-10	4.56E-06	1.44E-09	4.19E-10	4.00E-06	1.26E-09	3.67E-10
3216	494363.09, 3846877.2	3.92E-06	1.24E-09	3.60E-10	4.80E-06	1.51E-09	4.41E-10	4.21E-06	1.33E-09	3.86E-10
3217	494863.09, 3846877.2	4.20E-06	1.32E-09	3.85E-10	5.14E-06	1.62E-09	4.72E-10	4.51E-06	1.42E-09	4.14E-10
3218	495363.09, 3846877.2	4.47E-06	1.41E-09	4.10E-10	5.47E-06	1.73E-09	5.02E-10	4.79E-06	1.51E-09	4.40E-10
3219	495863.09, 3846877.2	4.77E-06	1.50E-09	4.38E-10	5.84E-06	1.84E-09	5.36E-10	5.12E-06	1.62E-09	4.70E-10
3220	496363.09, 3846877.2	5.10E-06	1.61E-09	4.68E-10	6.25E-06	1.97E-09	5.74E-10	5.47E-06	1.73E-09	5.03E-10
3221	496863.09, 3846877.2	5.51E-06	1.74E-09	5.06E-10	6.75E-06	2.13E-09	6.20E-10	5.92E-06	1.87E-09	5.43E-10
3222	497363.09, 3846877.2	6.07E-06	1.91E-09	5.57E-10	7.43E-06	2.35E-09	6.82E-10	6.51E-06	2.06E-09	5.98E-10
3223	497863.09, 3846877.2	6.58E-06	2.08E-09	6.04E-10	8.06E-06	2.54E-09	7.40E-10	7.06E-06	2.23E-09	6.49E-10
3224	498363.09, 3846877.2	6.84E-06	2.16E-09	6.28E-10	8.37E-06	2.64E-09	7.69E-10	7.34E-06	2.32E-09	6.74E-10
3225	471363.09, 3847377.2	1.25E-05	3.95E-09	1.15E-09	1.53E-05	4.84E-09	1.41E-09	1.34E-05	4.24E-09	1.23E-09
3226	471863.09, 3847377.2	1.27E-05	4.02E-09	1.17E-09	1.56E-05	4.93E-09	1.43E-09	1.37E-05	4.32E-09	1.26E-09
3227	472363.09, 3847377.2	1.29E-05	4.08E-09	1.19E-09	1.58E-05	4.99E-09	1.45E-09	1.39E-05	4.38E-09	1.27E-09
3228	472863.09, 3847377.2	1.26E-05	3.96E-09	1.15E-09	1.54E-05	4.86E-09	1.41E-09	1.35E-05	4.26E-09	1.24E-09
3229	473363.09, 3847377.2	1.05E-05	3.33E-09	9.68E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.58E-09	1.04E-09

3230	473863.09, 3847377.2	1.04E-05	3.29E-09	9.57E-10	1.28E-05	4.03E-09	1.17E-09	1.12E-05	3.53E-09	1.03E-09
3231	474363.09, 3847377.2	1.08E-05	3.42E-09	9.95E-10	1.33E-05	4.19E-09	1.22E-09	1.16E-05	3.67E-09	1.07E-09
3232	474863.09, 3847377.2	1.00E-05	3.16E-09	9.20E-10	1.23E-05	3.88E-09	1.13E-09	1.08E-05	3.40E-09	9.89E-10
3233	475363.09, 3847377.2	9.45E-06	2.98E-09	8.68E-10	1.16E-05	3.65E-09	1.06E-09	1.02E-05	3.21E-09	9.32E-10
3234	475863.09, 3847377.2	1.12E-05	3.52E-09	1.03E-09	1.37E-05	4.32E-09	1.26E-09	1.20E-05	3.79E-09	1.10E-09
3235	476363.09, 3847377.2	1.48E-05	4.67E-09	1.36E-09	1.81E-05	5.71E-09	1.66E-09	1.59E-05	5.01E-09	1.46E-09
3236	476863.09, 3847377.2	1.70E-05	5.36E-09	1.56E-09	2.08E-05	6.56E-09	1.91E-09	1.82E-05	5.76E-09	1.67E-09
3237	477363.09, 3847377.2	1.74E-05	5.50E-09	1.60E-09	2.13E-05	6.73E-09	1.96E-09	1.87E-05	5.90E-09	1.72E-09
3238	477863.09, 3847377.2	1.58E-05	4.98E-09	1.45E-09	1.93E-05	6.10E-09	1.77E-09	1.69E-05	5.35E-09	1.56E-09
3239	478363.09, 3847377.2	1.40E-05	4.40E-09	1.28E-09	1.71E-05	5.39E-09	1.57E-09	1.50E-05	4.73E-09	1.38E-09
3240	478863.09, 3847377.2	1.24E-05	3.90E-09	1.14E-09	1.52E-05	4.78E-09	1.39E-09	1.33E-05	4.19E-09	1.22E-09
3241	479363.09, 3847377.2	9.93E-06	3.13E-09	9.11E-10	1.22E-05	3.84E-09	1.12E-09	1.07E-05	3.37E-09	9.80E-10
3242	479863.09, 3847377.2	7.38E-06	2.33E-09	6.78E-10	9.05E-06	2.85E-09	8.30E-10	7.93E-06	2.50E-09	7.28E-10
3243	480363.09, 3847377.2	5.05E-06	1.59E-09	4.63E-10	6.18E-06	1.95E-09	5.68E-10	5.42E-06	1.71E-09	4.98E-10
3244	480863.09, 3847377.2	4.48E-06	1.41E-09	4.11E-10	5.49E-06	1.73E-09	5.04E-10	4.81E-06	1.52E-09	4.42E-10
3245	481363.09, 3847377.2	4.91E-06	1.55E-09	4.51E-10	6.01E-06	1.90E-09	5.52E-10	5.27E-06	1.66E-09	4.84E-10
3246	481863.09, 3847377.2	6.22E-06	1.96E-09	5.71E-10	7.62E-06	2.41E-09	7.00E-10	6.68E-06	2.11E-09	6.14E-10
3247	482363.09, 3847377.2	5.79E-06	1.83E-09	5.31E-10	7.09E-06	2.24E-09	6.51E-10	6.22E-06	1.96E-09	5.71E-10
3248	482863.09, 3847377.2	5.28E-06	1.67E-09	4.84E-10	6.46E-06	2.04E-09	5.93E-10	5.67E-06	1.79E-09	5.21E-10
3249	483363.09, 3847377.2	5.02E-06	1.58E-09	4.60E-10	6.14E-06	1.94E-09	5.64E-10	5.39E-06	1.70E-09	4.95E-10
3250	483863.09, 3847377.2	4.82E-06	1.52E-09	4.43E-10	5.91E-06	1.86E-09	5.42E-10	5.18E-06	1.64E-09	4.76E-10
3251	484363.09, 3847377.2	4.92E-06	1.55E-09	4.51E-10	6.02E-06	1.90E-09	5.53E-10	5.28E-06	1.67E-09	4.85E-10
3252	484863.09, 3847377.2	4.61E-06	1.45E-09	4.23E-10	5.65E-06	1.78E-09	5.18E-10	4.95E-06	1.56E-09	4.55E-10
3253	485363.09, 3847377.2	4.43E-06	1.40E-09	4.07E-10	5.43E-06	1.71E-09	4.99E-10	4.76E-06	1.50E-09	4.37E-10
3254	485863.09, 3847377.2	4.27E-06	1.35E-09	3.92E-10	5.23E-06	1.65E-09	4.80E-10	4.59E-06	1.45E-09	4.21E-10
3255	486363.09, 3847377.2	4.18E-06	1.32E-09	3.84E-10	5.13E-06	1.62E-09	4.71E-10	4.50E-06	1.42E-09	4.13E-10
3256	486863.09, 3847377.2	3.76E-06	1.19E-09	3.45E-10	4.60E-06	1.45E-09	4.23E-10	4.04E-06	1.27E-09	3.71E-10
3257	487363.09, 3847377.2	3.72E-06	1.17E-09	3.42E-10	4.56E-06	1.44E-09	4.18E-10	4.00E-06	1.26E-09	3.67E-10
3258	487863.09, 3847377.2	3.42E-06	1.08E-09	3.14E-10	4.19E-06	1.32E-09	3.84E-10	3.67E-06	1.16E-09	3.37E-10
3259	488363.09, 3847377.2	3.35E-06	1.06E-09	3.07E-10	4.10E-06	1.29E-09	3.76E-10	3.59E-06	1.13E-09	3.30E-10
3260	488863.09, 3847377.2	3.30E-06	1.04E-09	3.03E-10	4.04E-06	1.28E-09	3.71E-10	3.54E-06	1.12E-09	3.25E-10
3261	489363.09, 3847377.2	3.30E-06	1.04E-09	3.03E-10	4.04E-06	1.28E-09	3.71E-10	3.54E-06	1.12E-09	3.25E-10
3262	489863.09, 3847377.2	3.18E-06	1.00E-09	2.92E-10	3.89E-06	1.23E-09	3.57E-10	3.41E-06	1.08E-09	3.13E-10
3263	490363.09, 3847377.2	3.11E-06	9.83E-10	2.86E-10	3.81E-06	1.20E-09	3.50E-10	3.34E-06	1.05E-09	3.07E-10
3264	490863.09, 3847377.2	3.17E-06	1.00E-09	2.91E-10	3.88E-06	1.23E-09	3.56E-10	3.40E-06	1.07E-09	3.12E-10
3265	491363.09, 3847377.2	3.20E-06	1.01E-09	2.94E-10	3.92E-06	1.24E-09	3.60E-10	3.43E-06	1.08E-09	3.15E-10
3266	491863.09, 3847377.2	3.49E-06	1.10E-09	3.20E-10	4.27E-06	1.35E-09	3.92E-10	3.75E-06	1.18E-09	3.44E-10
3267	492363.09, 3847377.2	3.57E-06	1.13E-09	3.28E-10	4.37E-06	1.38E-09	4.02E-10	3.83E-06	1.21E-09	3.52E-10
3268	492863.09, 3847377.2	3.84E-06	1.21E-09	3.53E-10	4.71E-06	1.49E-09	4.32E-10	4.13E-06	1.30E-09	3.79E-10
3269	493363.09, 3847377.2	4.06E-06	1.28E-09	3.72E-10	4.97E-06	1.57E-09	4.56E-10	4.36E-06	1.37E-09	4.00E-10
3270	493863.09, 3847377.2	4.19E-06	1.32E-09	3.85E-10	5.14E-06	1.62E-09	4.71E-10	4.50E-06	1.42E-09	4.13E-10
3271	494363.09, 3847377.2	4.35E-06	1.37E-09	4.00E-10	5.33E-06	1.68E-09	4.90E-10	4.68E-06	1.48E-09	4.29E-10
3272	494863.09, 3847377.2	4.61E-06	1.45E-09	4.23E-10	5.64E-06	1.78E-09	5.18E-10	4.94E-06	1.56E-09	4.54E-10
3273	495363.09, 3847377.2	4.89E-06	1.54E-09	4.49E-10	5.99E-06	1.89E-09	5.50E-10	5.25E-06	1.66E-09	4.82E-10
3274	495863.09, 3847377.2	5.22E-06	1.65E-09	4.79E-10	6.40E-06	2.02E-09	5.87E-10	5.60E-06	1.77E-09	5.14E-10
3275	496363.09, 3847377.2	5.55E-06	1.75E-09	5.10E-10	6.80E-06	2.15E-09	6.25E-10	5.96E-06	1.88E-09	5.47E-10
3276	496863.09, 3847377.2	6.09E-06	1.92E-09	5.59E-10	7.46E-06	2.35E-09	6.85E-10	6.53E-06	2.06E-09	6.00E-10
3277	497363.09, 3847377.2	6.82E-06	2.15E-09	6.26E-10	8.35E-06	2.64E-09	7.67E-10	7.32E-06	2.31E-09	6.72E-10
3278	497863.09, 3847377.2	7.68E-06	2.43E-09	7.05E-10	9.41E-06	2.97E-09	8.64E-10	8.25E-06	2.60E-09	7.57E-10
3279	498363.09, 3847377.2	8.09E-06	2.55E-09	7.43E-10	9.92E-06	3.13E-09	9.10E-10	8.69E-06	2.74E-09	7.98E-10
3280	471363.09, 3847877.2	1.34E-05	4.24E-09	1.23E-09	1.64E-05	5.19E-09	1.51E-09	1.44E-05	4.55E-09	1.32E-09
3281	471863.09, 3847877.2	1.38E-05	4.35E-09	1.26E-09	1.69E-05	5.32E-09	1.55E-09	1.48E-05	4.67E-09	1.36E-09
3282	472363.09, 3847877.2	1.40E-05	4.43E-09	1.29E-09	1.72E-05	5.42E-09	1.58E-09	1.51E-05	4.75E-09	1.38E-09
3283	472863.09, 3847877.2	1.42E-05	4.48E-09	1.30E-09	1.74E-05	5.49E-09	1.60E-09	1.52E-05	4.81E-09	1.40E-09
3284	473363.09, 3847877.2	1.44E-05	4.54E-09	1.32E-09	1.76E-05	5.56E-09	1.62E-09	1.54E-05	4.88E-09	1.42E-09
3285	473863.09, 3847877.2	1.38E-05	4.36E-09	1.27E-09	1.69E-05	5.34E-09	1.55E-09	1.48E-05	4.68E-09	1.36E-09
3286	474363.09, 3847877.2	1.21E-05	3.81E-09	1.11E-09	1.48E-05	4.66E-09	1.36E-09	1.30E-05	4.09E-09	1.19E-09
3287	474863.09, 3847877.2	1.25E-05	3.94E-09	1.15E-09	1.53E-05	4.83E-09	1.40E-09	1.34E-05	4.23E-09	1.23E-09
3288	475363.09, 3847877.2	1.14E-05	3.61E-09	1.05E-09	1.40E-05	4.42E-09	1.29E-09	1.23E-05	3.88E-09	1.13E-09
3289	475863.09, 3847877.2	1.06E-05	3.33E-09	9.69E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.58E-09	1.04E-09
3290	476363.09, 3847877.2	1.32E-05	4.17E-09	1.21E-09	1.62E-05	5.11E-09	1.48E-09	1.42E-05	4.48E-09	1.30E-09

3291	476863.09, 3847877.2	1.64E-05	5.19E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.77E-05	5.57E-09	1.62E-09
3292	477363.09, 3847877.2	1.94E-05	6.14E-09	1.78E-09	2.38E-05	7.52E-09	2.19E-09	2.09E-05	6.59E-09	1.92E-09
3293	477863.09, 3847877.2	1.97E-05	6.21E-09	1.81E-09	2.41E-05	7.60E-09	2.21E-09	2.11E-05	6.67E-09	1.94E-09
3294	478363.09, 3847877.2	1.78E-05	5.63E-09	1.64E-09	2.18E-05	6.89E-09	2.01E-09	1.92E-05	6.05E-09	1.76E-09
3295	478863.09, 3847877.2	1.54E-05	4.86E-09	1.41E-09	1.89E-05	5.96E-09	1.73E-09	1.65E-05	5.22E-09	1.52E-09
3296	479363.09, 3847877.2	1.03E-05	3.24E-09	9.44E-10	1.26E-05	3.97E-09	1.16E-09	1.10E-05	3.48E-09	1.01E-09
3297	479863.09, 3847877.2	5.97E-06	1.88E-09	5.48E-10	7.31E-06	2.31E-09	6.71E-10	6.42E-06	2.02E-09	5.89E-10
3298	480363.09, 3847877.2	6.17E-06	1.95E-09	5.67E-10	7.56E-06	2.39E-09	6.94E-10	6.63E-06	2.09E-09	6.08E-10
3299	480863.09, 3847877.2	5.35E-06	1.69E-09	4.91E-10	6.55E-06	2.07E-09	6.02E-10	5.75E-06	1.81E-09	5.28E-10
3300	481363.09, 3847877.2	5.40E-06	1.70E-09	4.96E-10	6.61E-06	2.09E-09	6.07E-10	5.80E-06	1.83E-09	5.32E-10
3301	481863.09, 3847877.2	7.41E-06	2.34E-09	6.80E-10	9.08E-06	2.87E-09	8.33E-10	7.96E-06	2.51E-09	7.31E-10
3302	482363.09, 3847877.2	6.92E-06	2.18E-09	6.35E-10	8.48E-06	2.67E-09	7.78E-10	7.43E-06	2.35E-09	6.82E-10
3303	482863.09, 3847877.2	6.02E-06	1.90E-09	5.53E-10	7.38E-06	2.33E-09	6.77E-10	6.47E-06	2.04E-09	5.94E-10
3304	483363.09, 3847877.2	5.80E-06	1.83E-09	5.33E-10	7.11E-06	2.24E-09	6.53E-10	6.23E-06	1.97E-09	5.72E-10
3305	483863.09, 3847877.2	5.64E-06	1.78E-09	5.18E-10	6.91E-06	2.18E-09	6.34E-10	6.06E-06	1.91E-09	5.56E-10
3306	484363.09, 3847877.2	5.73E-06	1.81E-09	5.26E-10	7.01E-06	2.21E-09	6.44E-10	6.15E-06	1.94E-09	5.65E-10
3307	484863.09, 3847877.2	5.47E-06	1.73E-09	5.02E-10	6.70E-06	2.11E-09	6.15E-10	5.88E-06	1.86E-09	5.40E-10
3308	485363.09, 3847877.2	5.37E-06	1.69E-09	4.93E-10	6.57E-06	2.08E-09	6.04E-10	5.77E-06	1.82E-09	5.30E-10
3309	485863.09, 3847877.2	5.24E-06	1.65E-09	4.81E-10	6.41E-06	2.02E-09	5.89E-10	5.62E-06	1.77E-09	5.16E-10
3310	486363.09, 3847877.2	4.78E-06	1.51E-09	4.39E-10	5.86E-06	1.85E-09	5.38E-10	5.14E-06	1.62E-09	4.71E-10
3311	486863.09, 3847877.2	4.48E-06	1.41E-09	4.11E-10	5.49E-06	1.73E-09	5.04E-10	4.81E-06	1.52E-09	4.42E-10
3312	487363.09, 3847877.2	4.25E-06	1.34E-09	3.90E-10	5.20E-06	1.64E-09	4.78E-10	4.56E-06	1.44E-09	4.19E-10
3313	487863.09, 3847877.2	3.97E-06	1.25E-09	3.64E-10	4.86E-06	1.53E-09	4.46E-10	4.26E-06	1.35E-09	3.91E-10
3314	488363.09, 3847877.2	3.85E-06	1.22E-09	3.54E-10	4.72E-06	1.49E-09	4.33E-10	4.14E-06	1.31E-09	3.80E-10
3315	488863.09, 3847877.2	3.83E-06	1.21E-09	3.51E-10	4.69E-06	1.48E-09	4.30E-10	4.11E-06	1.30E-09	3.77E-10
3316	489363.09, 3847877.2	3.87E-06	1.22E-09	3.56E-10	4.74E-06	1.50E-09	4.36E-10	4.16E-06	1.31E-09	3.82E-10
3317	489863.09, 3847877.2	4.12E-06	1.30E-09	3.78E-10	5.04E-06	1.59E-09	4.63E-10	4.42E-06	1.39E-09	4.06E-10
3318	490363.09, 3847877.2	4.18E-06	1.32E-09	3.84E-10	5.12E-06	1.62E-09	4.70E-10	4.49E-06	1.42E-09	4.12E-10
3319	490863.09, 3847877.2	4.13E-06	1.30E-09	3.79E-10	5.06E-06	1.60E-09	4.64E-10	4.43E-06	1.40E-09	4.07E-10
3320	491363.09, 3847877.2	4.00E-06	1.26E-09	3.67E-10	4.90E-06	1.55E-09	4.50E-10	4.30E-06	1.36E-09	3.94E-10
3321	491863.09, 3847877.2	4.14E-06	1.31E-09	3.80E-10	5.07E-06	1.60E-09	4.65E-10	4.44E-06	1.40E-09	4.08E-10
3322	492363.09, 3847877.2	4.37E-06	1.38E-09	4.02E-10	5.36E-06	1.69E-09	4.92E-10	4.70E-06	1.48E-09	4.31E-10
3323	492863.09, 3847877.2	4.53E-06	1.43E-09	4.16E-10	5.54E-06	1.75E-09	5.09E-10	4.86E-06	1.53E-09	4.46E-10
3324	493363.09, 3847877.2	4.51E-06	1.42E-09	4.14E-10	5.52E-06	1.74E-09	5.07E-10	4.84E-06	1.53E-09	4.44E-10
3325	493863.09, 3847877.2	4.61E-06	1.46E-09	4.23E-10	5.65E-06	1.78E-09	5.19E-10	4.95E-06	1.56E-09	4.55E-10
3326	494363.09, 3847877.2	4.82E-06	1.52E-09	4.43E-10	5.91E-06	1.86E-09	5.42E-10	5.18E-06	1.63E-09	4.75E-10
3327	494863.09, 3847877.2	5.13E-06	1.62E-09	4.71E-10	6.28E-06	1.98E-09	5.77E-10	5.50E-06	1.74E-09	5.05E-10
3328	495363.09, 3847877.2	5.30E-06	1.67E-09	4.87E-10	6.49E-06	2.05E-09	5.96E-10	5.69E-06	1.80E-09	5.22E-10
3329	495863.09, 3847877.2	5.06E-06	1.60E-09	4.65E-10	6.20E-06	1.96E-09	5.69E-10	5.43E-06	1.71E-09	4.99E-10
3330	496363.09, 3847877.2	6.07E-06	1.92E-09	5.57E-10	7.43E-06	2.35E-09	6.82E-10	6.51E-06	2.06E-09	5.98E-10
3331	496863.09, 3847877.2	6.68E-06	2.11E-09	6.13E-10	8.19E-06	2.58E-09	7.51E-10	7.17E-06	2.26E-09	6.59E-10
3332	497363.09, 3847877.2	7.45E-06	2.35E-09	6.84E-10	9.12E-06	2.88E-09	8.38E-10	8.00E-06	2.52E-09	7.34E-10
3333	497863.09, 3847877.2	8.86E-06	2.80E-09	8.14E-10	1.09E-05	3.43E-09	9.97E-10	9.52E-06	3.00E-09	8.74E-10
3334	498363.09, 3847877.2	9.67E-06	3.05E-09	8.87E-10	1.18E-05	3.74E-09	1.09E-09	1.04E-05	3.28E-09	9.53E-10
3335	471363.09, 3848377.2	1.37E-05	4.32E-09	1.26E-09	1.68E-05	5.29E-09	1.54E-09	1.47E-05	4.64E-09	1.35E-09
3336	471863.09, 3848377.2	1.45E-05	4.56E-09	1.33E-09	1.77E-05	5.59E-09	1.63E-09	1.55E-05	4.90E-09	1.43E-09
3337	472363.09, 3848377.2	1.50E-05	4.73E-09	1.37E-09	1.83E-05	5.79E-09	1.68E-09	1.61E-05	5.08E-09	1.48E-09
3338	472863.09, 3848377.2	1.54E-05	4.85E-09	1.41E-09	1.88E-05	5.95E-09	1.73E-09	1.65E-05	5.21E-09	1.52E-09
3339	473363.09, 3848377.2	1.56E-05	4.93E-09	1.43E-09	1.91E-05	6.04E-09	1.76E-09	1.68E-05	5.30E-09	1.54E-09
3340	473863.09, 3848377.2	1.59E-05	5.01E-09	1.46E-09	1.94E-05	6.14E-09	1.79E-09	1.71E-05	5.38E-09	1.57E-09
3341	474363.09, 3848377.2	1.56E-05	4.92E-09	1.43E-09	1.91E-05	6.02E-09	1.75E-09	1.67E-05	5.28E-09	1.54E-09
3342	474863.09, 3848377.2	1.41E-05	4.44E-09	1.29E-09	1.72E-05	5.44E-09	1.58E-09	1.51E-05	4.77E-09	1.39E-09
3343	475363.09, 3848377.2	1.48E-05	4.68E-09	1.36E-09	1.81E-05	5.73E-09	1.67E-09	1.59E-05	5.02E-09	1.46E-09
3344	475863.09, 3848377.2	1.35E-05	4.26E-09	1.24E-09	1.65E-05	5.21E-09	1.52E-09	1.45E-05	4.57E-09	1.33E-09
3345	476363.09, 3848377.2	1.20E-05	3.80E-09	1.10E-09	1.47E-05	4.65E-09	1.35E-09	1.29E-05	4.08E-09	1.19E-09
3346	476863.09, 3848377.2	1.52E-05	4.80E-09	1.40E-09	1.86E-05	5.88E-09	1.71E-09	1.63E-05	5.15E-09	1.50E-09
3347	477363.09, 3848377.2	1.81E-05	5.73E-09	1.67E-09	2.22E-05	7.01E-09	2.04E-09	1.95E-05	6.15E-09	1.79E-09
3348	477863.09, 3848377.2	2.18E-05	6.88E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
3349	478363.09, 3848377.2	2.19E-05	6.90E-09	2.01E-09	2.68E-05	8.45E-09	2.46E-09	2.35E-05	7.41E-09	2.15E-09
3350	478863.09, 3848377.2	1.90E-05	5.98E-09	1.74E-09	2.32E-05	7.33E-09	2.13E-09	2.04E-05	6.43E-09	1.87E-09
3351	479363.09, 3848377.2	1.29E-05	4.07E-09	1.18E-09	1.58E-05	4.99E-09	1.45E-09	1.38E-05	4.37E-09	1.27E-09

3352	479863.09, 3848377.2	4.41E-06	1.39E-09	4.05E-10	5.40E-06	1.71E-09	4.96E-10	4.74E-06	1.50E-09	4.35E-10
3353	480363.09, 3848377.2	6.25E-06	1.97E-09	5.74E-10	7.66E-06	2.42E-09	7.03E-10	6.72E-06	2.12E-09	6.17E-10
3354	480863.09, 3848377.2	8.80E-06	2.78E-09	8.08E-10	1.08E-05	3.40E-09	9.90E-10	9.45E-06	2.98E-09	8.68E-10
3355	481363.09, 3848377.2	8.62E-06	2.72E-09	7.91E-10	1.06E-05	3.33E-09	9.69E-10	9.26E-06	2.92E-09	8.50E-10
3356	481863.09, 3848377.2	8.77E-06	2.77E-09	8.06E-10	1.07E-05	3.39E-09	9.87E-10	9.43E-06	2.98E-09	8.66E-10
3357	482363.09, 3848377.2	8.78E-06	2.77E-09	8.06E-10	1.08E-05	3.40E-09	9.88E-10	9.43E-06	2.98E-09	8.66E-10
3358	482863.09, 3848377.2	7.37E-06	2.33E-09	6.77E-10	9.03E-06	2.85E-09	8.29E-10	7.92E-06	2.50E-09	7.27E-10
3359	483363.09, 3848377.2	7.12E-06	2.25E-09	6.54E-10	8.72E-06	2.75E-09	8.01E-10	7.65E-06	2.41E-09	7.02E-10
3360	483863.09, 3848377.2	6.42E-06	2.03E-09	5.89E-10	7.86E-06	2.48E-09	7.22E-10	6.90E-06	2.18E-09	6.33E-10
3361	484363.09, 3848377.2	6.31E-06	1.99E-09	5.79E-10	7.73E-06	2.44E-09	7.10E-10	6.78E-06	2.14E-09	6.22E-10
3362	484863.09, 3848377.2	6.72E-06	2.12E-09	6.17E-10	8.23E-06	2.60E-09	7.56E-10	7.22E-06	2.28E-09	6.63E-10
3363	485363.09, 3848377.2	6.36E-06	2.01E-09	5.84E-10	7.79E-06	2.46E-09	7.15E-10	6.83E-06	2.16E-09	6.27E-10
3364	485863.09, 3848377.2	6.13E-06	1.93E-09	5.62E-10	7.50E-06	2.37E-09	6.89E-10	6.58E-06	2.08E-09	6.04E-10
3365	486363.09, 3848377.2	5.71E-06	1.80E-09	5.24E-10	6.99E-06	2.21E-09	6.42E-10	6.13E-06	1.94E-09	5.63E-10
3366	486863.09, 3848377.2	5.24E-06	1.65E-09	4.81E-10	6.42E-06	2.03E-09	5.89E-10	5.63E-06	1.78E-09	5.17E-10
3367	487363.09, 3848377.2	4.73E-06	1.49E-09	4.35E-10	5.80E-06	1.83E-09	5.32E-10	5.09E-06	1.61E-09	4.67E-10
3368	487863.09, 3848377.2	4.62E-06	1.46E-09	4.24E-10	5.66E-06	1.79E-09	5.20E-10	4.96E-06	1.57E-09	4.56E-10
3369	488363.09, 3848377.2	4.50E-06	1.42E-09	4.13E-10	5.51E-06	1.74E-09	5.06E-10	4.83E-06	1.53E-09	4.44E-10
3370	488863.09, 3848377.2	4.53E-06	1.43E-09	4.16E-10	5.55E-06	1.75E-09	5.10E-10	4.87E-06	1.54E-09	4.47E-10
3371	489363.09, 3848377.2	4.69E-06	1.48E-09	4.31E-10	5.75E-06	1.81E-09	5.28E-10	5.04E-06	1.59E-09	4.63E-10
3372	489863.09, 3848377.2	5.07E-06	1.60E-09	4.66E-10	6.21E-06	1.96E-09	5.70E-10	5.44E-06	1.72E-09	5.00E-10
3373	490363.09, 3848377.2	5.08E-06	1.60E-09	4.66E-10	6.22E-06	1.96E-09	5.71E-10	5.45E-06	1.72E-09	5.01E-10
3374	490863.09, 3848377.2	4.93E-06	1.56E-09	4.52E-10	6.04E-06	1.91E-09	5.54E-10	5.29E-06	1.67E-09	4.86E-10
3375	491363.09, 3848377.2	4.92E-06	1.55E-09	4.52E-10	6.03E-06	1.90E-09	5.54E-10	5.29E-06	1.67E-09	4.85E-10
3376	491863.09, 3848377.2	5.04E-06	1.59E-09	4.63E-10	6.18E-06	1.95E-09	5.67E-10	5.42E-06	1.71E-09	4.97E-10
3377	492363.09, 3848377.2	4.96E-06	1.57E-09	4.55E-10	6.07E-06	1.92E-09	5.58E-10	5.33E-06	1.68E-09	4.89E-10
3378	492863.09, 3848377.2	4.84E-06	1.53E-09	4.45E-10	5.93E-06	1.87E-09	5.45E-10	5.20E-06	1.64E-09	4.77E-10
3379	493363.09, 3848377.2	4.99E-06	1.57E-09	4.58E-10	6.11E-06	1.93E-09	5.61E-10	5.36E-06	1.69E-09	4.92E-10
3380	493863.09, 3848377.2	5.18E-06	1.63E-09	4.75E-10	6.34E-06	2.00E-09	5.82E-10	5.56E-06	1.75E-09	5.10E-10
3381	494363.09, 3848377.2	5.37E-06	1.69E-09	4.93E-10	6.57E-06	2.07E-09	6.03E-10	5.76E-06	1.82E-09	5.29E-10
3382	494863.09, 3848377.2	5.72E-06	1.81E-09	5.25E-10	7.01E-06	2.21E-09	6.43E-10	6.14E-06	1.94E-09	5.64E-10
3383	495363.09, 3848377.2	5.67E-06	1.79E-09	5.21E-10	6.95E-06	2.19E-09	6.38E-10	6.09E-06	1.92E-09	5.59E-10
3384	495863.09, 3848377.2	5.95E-06	1.88E-09	5.46E-10	7.29E-06	2.30E-09	6.69E-10	6.39E-06	2.02E-09	5.87E-10
3385	496363.09, 3848377.2	6.64E-06	2.10E-09	6.10E-10	8.14E-06	2.57E-09	7.47E-10	7.13E-06	2.25E-09	6.55E-10
3386	496863.09, 3848377.2	6.84E-06	2.16E-09	6.28E-10	8.38E-06	2.64E-09	7.69E-10	7.34E-06	2.32E-09	6.74E-10
3387	497363.09, 3848377.2	7.86E-06	2.48E-09	7.22E-10	9.63E-06	3.04E-09	8.84E-10	8.44E-06	2.66E-09	7.75E-10
3388	497863.09, 3848377.2	1.07E-05	3.39E-09	9.85E-10	1.31E-05	4.15E-09	1.21E-09	1.15E-05	3.64E-09	1.06E-09
3389	498363.09, 3848377.2	1.14E-05	3.61E-09	1.05E-09	1.40E-05	4.42E-09	1.28E-09	1.23E-05	3.87E-09	1.13E-09
3390	471363.09, 3848877.2	1.34E-05	4.23E-09	1.23E-09	1.64E-05	5.18E-09	1.51E-09	1.44E-05	4.54E-09	1.32E-09
3391	471863.09, 3848877.2	1.44E-05	4.56E-09	1.33E-09	1.77E-05	5.58E-09	1.62E-09	1.55E-05	4.89E-09	1.42E-09
3392	472363.09, 3848877.2	1.54E-05	4.86E-09	1.42E-09	1.89E-05	5.96E-09	1.73E-09	1.66E-05	5.23E-09	1.52E-09
3393	472863.09, 3848877.2	1.63E-05	5.13E-09	1.49E-09	1.99E-05	6.29E-09	1.83E-09	1.75E-05	5.51E-09	1.60E-09
3394	473363.09, 3848877.2	1.70E-05	5.35E-09	1.56E-09	2.08E-05	6.55E-09	1.91E-09	1.82E-05	5.75E-09	1.67E-09
3395	473863.09, 3848877.2	1.74E-05	5.48E-09	1.59E-09	2.13E-05	6.71E-09	1.95E-09	1.87E-05	5.89E-09	1.71E-09
3396	474363.09, 3848877.2	1.78E-05	5.63E-09	1.64E-09	2.18E-05	6.90E-09	2.01E-09	1.92E-05	6.05E-09	1.76E-09
3397	474863.09, 3848877.2	1.72E-05	5.44E-09	1.58E-09	2.11E-05	6.66E-09	1.94E-09	1.85E-05	5.84E-09	1.70E-09
3398	475363.09, 3848877.2	1.68E-05	5.31E-09	1.54E-09	2.06E-05	6.51E-09	1.89E-09	1.81E-05	5.71E-09	1.66E-09
3399	475863.09, 3848877.2	1.71E-05	5.41E-09	1.57E-09	2.10E-05	6.62E-09	1.93E-09	1.84E-05	5.81E-09	1.69E-09
3400	476363.09, 3848877.2	1.62E-05	5.11E-09	1.49E-09	1.98E-05	6.26E-09	1.82E-09	1.74E-05	5.49E-09	1.60E-09
3401	476863.09, 3848877.2	1.49E-05	4.71E-09	1.37E-09	1.83E-05	5.76E-09	1.68E-09	1.60E-05	5.06E-09	1.47E-09
3402	477363.09, 3848877.2	1.77E-05	5.58E-09	1.62E-09	2.17E-05	6.83E-09	1.99E-09	1.90E-05	5.99E-09	1.74E-09
3403	477863.09, 3848877.2	2.08E-05	6.56E-09	1.91E-09	2.54E-05	8.03E-09	2.34E-09	2.23E-05	7.04E-09	2.05E-09
3404	478363.09, 3848877.2	2.50E-05	7.88E-09	2.29E-09	3.06E-05	9.66E-09	2.81E-09	2.68E-05	8.47E-09	2.46E-09
3405	478863.09, 3848877.2	2.44E-05	7.69E-09	2.24E-09	2.99E-05	9.42E-09	2.74E-09	2.62E-05	8.26E-09	2.40E-09
3406	479363.09, 3848877.2	1.98E-05	6.25E-09	1.82E-09	2.43E-05	7.66E-09	2.23E-09	2.13E-05	6.72E-09	1.95E-09
3407	479863.09, 3848877.2	1.43E-05	4.51E-09	1.31E-09	1.75E-05	5.52E-09	1.61E-09	1.53E-05	4.84E-09	1.41E-09
3408	480363.09, 3848877.2	1.36E-05	4.28E-09	1.24E-09	1.66E-05	5.24E-09	1.52E-09	1.46E-05	4.60E-09	1.34E-09
3409	480863.09, 3848877.2	1.39E-05	4.38E-09	1.28E-09	1.70E-05	5.37E-09	1.56E-09	1.49E-05	4.71E-09	1.37E-09
3410	481363.09, 3848877.2	1.27E-05	4.00E-09	1.16E-09	1.55E-05	4.91E-09	1.43E-09	1.36E-05	4.30E-09	1.25E-09
3411	481863.09, 3848877.2	1.05E-05	3.32E-09	9.65E-10	1.29E-05	4.07E-09	1.18E-09	1.13E-05	3.57E-09	1.04E-09
3412	482363.09, 3848877.2	8.64E-06	2.73E-09	7.93E-10	1.06E-05	3.34E-09	9.71E-10	9.28E-06	2.93E-09	8.52E-10

3413	482863.09, 3848877.2	7.13E-06	2.25E-09	6.54E-10	8.73E-06	2.76E-09	8.02E-10	7.66E-06	2.42E-09	7.03E-10
3414	483363.09, 3848877.2	6.22E-06	1.96E-09	5.71E-10	7.61E-06	2.40E-09	6.99E-10	6.68E-06	2.11E-09	6.13E-10
3415	483863.09, 3848877.2	6.08E-06	1.92E-09	5.58E-10	7.44E-06	2.35E-09	6.83E-10	6.53E-06	2.06E-09	5.99E-10
3416	484363.09, 3848877.2	7.17E-06	2.26E-09	6.58E-10	8.78E-06	2.77E-09	8.06E-10	7.70E-06	2.43E-09	7.07E-10
3417	484863.09, 3848877.2	8.20E-06	2.59E-09	7.53E-10	1.00E-05	3.17E-09	9.22E-10	8.81E-06	2.78E-09	8.09E-10
3418	485363.09, 3848877.2	7.68E-06	2.42E-09	7.05E-10	9.40E-06	2.97E-09	8.63E-10	8.25E-06	2.61E-09	7.58E-10
3419	485863.09, 3848877.2	7.29E-06	2.30E-09	6.70E-10	8.93E-06	2.82E-09	8.20E-10	7.83E-06	2.47E-09	7.19E-10
3420	486363.09, 3848877.2	6.53E-06	2.06E-09	6.00E-10	8.00E-06	2.53E-09	7.35E-10	7.02E-06	2.22E-09	6.44E-10
3421	486863.09, 3848877.2	5.80E-06	1.83E-09	5.33E-10	7.11E-06	2.24E-09	6.52E-10	6.23E-06	1.97E-09	5.72E-10
3422	487363.09, 3848877.2	5.76E-06	1.82E-09	5.29E-10	7.06E-06	2.23E-09	6.48E-10	6.19E-06	1.95E-09	5.68E-10
3423	487863.09, 3848877.2	5.48E-06	1.73E-09	5.03E-10	6.71E-06	2.12E-09	6.16E-10	5.89E-06	1.86E-09	5.40E-10
3424	488363.09, 3848877.2	5.46E-06	1.72E-09	5.01E-10	6.69E-06	2.11E-09	6.14E-10	5.87E-06	1.85E-09	5.39E-10
3425	488863.09, 3848877.2	5.49E-06	1.73E-09	5.04E-10	6.72E-06	2.12E-09	6.17E-10	5.89E-06	1.86E-09	5.41E-10
3426	489363.09, 3848877.2	5.77E-06	1.82E-09	5.30E-10	7.07E-06	2.23E-09	6.49E-10	6.20E-06	1.96E-09	5.69E-10
3427	489863.09, 3848877.2	6.07E-06	1.92E-09	5.57E-10	7.44E-06	2.35E-09	6.83E-10	6.52E-06	2.06E-09	5.98E-10
3428	490363.09, 3848877.2	5.90E-06	1.86E-09	5.42E-10	7.23E-06	2.28E-09	6.63E-10	6.33E-06	2.00E-09	5.81E-10
3429	490863.09, 3848877.2	5.81E-06	1.83E-09	5.33E-10	7.11E-06	2.24E-09	6.53E-10	6.24E-06	1.97E-09	5.73E-10
3430	491363.09, 3848877.2	5.89E-06	1.86E-09	5.40E-10	7.21E-06	2.28E-09	6.62E-10	6.32E-06	2.00E-09	5.80E-10
3431	491863.09, 3848877.2	5.73E-06	1.81E-09	5.26E-10	7.02E-06	2.21E-09	6.44E-10	6.15E-06	1.94E-09	5.65E-10
3432	492363.09, 3848877.2	5.59E-06	1.76E-09	5.13E-10	6.85E-06	2.16E-09	6.29E-10	6.00E-06	1.89E-09	5.51E-10
3433	492863.09, 3848877.2	5.42E-06	1.71E-09	4.98E-10	6.64E-06	2.10E-09	6.10E-10	5.82E-06	1.84E-09	5.35E-10
3434	493363.09, 3848877.2	5.30E-06	1.67E-09	4.86E-10	6.49E-06	2.05E-09	5.96E-10	5.69E-06	1.80E-09	5.22E-10
3435	493863.09, 3848877.2	5.72E-06	1.81E-09	5.25E-10	7.01E-06	2.21E-09	6.43E-10	6.14E-06	1.94E-09	5.64E-10
3436	494363.09, 3848877.2	6.02E-06	1.90E-09	5.52E-10	7.37E-06	2.33E-09	6.77E-10	6.46E-06	2.04E-09	5.93E-10
3437	494863.09, 3848877.2	6.55E-06	2.07E-09	6.01E-10	8.02E-06	2.53E-09	7.36E-10	7.03E-06	2.22E-09	6.45E-10
3438	495363.09, 3848877.2	7.02E-06	2.22E-09	6.44E-10	8.60E-06	2.71E-09	7.89E-10	7.54E-06	2.38E-09	6.92E-10
3439	495863.09, 3848877.2	6.86E-06	2.17E-09	6.30E-10	8.40E-06	2.65E-09	7.72E-10	7.37E-06	2.32E-09	6.76E-10
3440	496363.09, 3848877.2	7.29E-06	2.30E-09	6.70E-10	8.93E-06	2.82E-09	8.20E-10	7.83E-06	2.47E-09	7.19E-10
3441	496863.09, 3848877.2	8.40E-06	2.65E-09	7.71E-10	1.03E-05	3.25E-09	9.44E-10	9.01E-06	2.84E-09	8.27E-10
3442	497363.09, 3848877.2	1.08E-05	3.42E-09	9.95E-10	1.33E-05	4.19E-09	1.22E-09	1.16E-05	3.67E-09	1.07E-09
3443	497863.09, 3848877.2	1.23E-05	3.89E-09	1.13E-09	1.51E-05	4.77E-09	1.39E-09	1.32E-05	4.18E-09	1.22E-09
3444	498363.09, 3848877.2	1.36E-05	4.30E-09	1.25E-09	1.67E-05	5.27E-09	1.53E-09	1.46E-05	4.62E-09	1.34E-09
3445	471363.09, 3849377.2	1.29E-05	4.09E-09	1.19E-09	1.59E-05	5.01E-09	1.46E-09	1.39E-05	4.39E-09	1.28E-09
3446	471863.09, 3849377.2	1.42E-05	4.48E-09	1.30E-09	1.74E-05	5.49E-09	1.60E-09	1.52E-05	4.81E-09	1.40E-09
3447	472363.09, 3849377.2	1.53E-05	4.82E-09	1.40E-09	1.87E-05	5.91E-09	1.72E-09	1.64E-05	5.18E-09	1.51E-09
3448	472863.09, 3849377.2	1.64E-05	5.18E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.76E-05	5.57E-09	1.62E-09
3449	473363.09, 3849377.2	1.75E-05	5.52E-09	1.61E-09	2.14E-05	6.76E-09	1.97E-09	1.88E-05	5.93E-09	1.73E-09
3450	473863.09, 3849377.2	1.85E-05	5.84E-09	1.70E-09	2.27E-05	7.15E-09	2.08E-09	1.99E-05	6.27E-09	1.82E-09
3451	474363.09, 3849377.2	1.93E-05	6.09E-09	1.77E-09	2.36E-05	7.46E-09	2.17E-09	2.07E-05	6.54E-09	1.90E-09
3452	474863.09, 3849377.2	2.00E-05	6.31E-09	1.83E-09	2.45E-05	7.72E-09	2.25E-09	2.15E-05	6.77E-09	1.97E-09
3453	475363.09, 3849377.2	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.82E-09	2.27E-09	2.17E-05	6.86E-09	2.00E-09
3454	475863.09, 3849377.2	2.07E-05	6.53E-09	1.90E-09	2.53E-05	7.99E-09	2.33E-09	2.22E-05	7.01E-09	2.04E-09
3455	476363.09, 3849377.2	2.08E-05	6.57E-09	1.91E-09	2.55E-05	8.05E-09	2.34E-09	2.24E-05	7.06E-09	2.05E-09
3456	476863.09, 3849377.2	2.00E-05	6.32E-09	1.84E-09	2.45E-05	7.74E-09	2.25E-09	2.15E-05	6.79E-09	1.98E-09
3457	477363.09, 3849377.2	1.88E-05	5.94E-09	1.73E-09	2.30E-05	7.27E-09	2.12E-09	2.02E-05	6.38E-09	1.86E-09
3458	477863.09, 3849377.2	1.94E-05	6.12E-09	1.78E-09	2.37E-05	7.49E-09	2.18E-09	2.08E-05	6.57E-09	1.91E-09
3459	478363.09, 3849377.2	2.37E-05	7.48E-09	2.18E-09	2.90E-05	9.17E-09	2.67E-09	2.55E-05	8.04E-09	2.34E-09
3460	478863.09, 3849377.2	2.75E-05	8.67E-09	2.52E-09	3.36E-05	1.06E-08	3.09E-09	2.95E-05	9.31E-09	2.71E-09
3461	479363.09, 3849377.2	2.74E-05	8.64E-09	2.51E-09	3.35E-05	1.06E-08	3.08E-09	2.94E-05	9.28E-09	2.70E-09
3462	479863.09, 3849377.2	2.13E-05	6.74E-09	1.96E-09	2.61E-05	8.25E-09	2.40E-09	2.29E-05	7.24E-09	2.11E-09
3463	480363.09, 3849377.2	2.11E-05	6.64E-09	1.93E-09	2.58E-05	8.14E-09	2.37E-09	2.26E-05	7.14E-09	2.08E-09
3464	480863.09, 3849377.2	1.84E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.25E-09	1.82E-09
3465	481363.09, 3849377.2	1.52E-05	4.81E-09	1.40E-09	1.87E-05	5.89E-09	1.71E-09	1.64E-05	5.16E-09	1.50E-09
3466	481863.09, 3849377.2	1.02E-05	3.22E-09	9.38E-10	1.25E-05	3.95E-09	1.15E-09	1.10E-05	3.46E-09	1.01E-09
3467	482363.09, 3849377.2	8.78E-06	2.77E-09	8.06E-10	1.08E-05	3.39E-09	9.87E-10	9.43E-06	2.98E-09	8.66E-10
3468	482863.09, 3849377.2	7.12E-06	2.25E-09	6.54E-10	8.73E-06	2.75E-09	8.01E-10	7.65E-06	2.42E-09	7.02E-10
3469	483363.09, 3849377.2	6.46E-06	2.04E-09	5.93E-10	7.91E-06	2.50E-09	7.27E-10	6.94E-06	2.19E-09	6.37E-10
3470	483863.09, 3849377.2	5.54E-06	1.75E-09	5.09E-10	6.78E-06	2.14E-09	6.23E-10	5.95E-06	1.88E-09	5.46E-10
3471	484363.09, 3849377.2	7.99E-06	2.52E-09	7.33E-10	9.78E-06	3.09E-09	8.98E-10	8.58E-06	2.71E-09	7.88E-10
3472	484863.09, 3849377.2	9.81E-06	3.10E-09	9.01E-10	1.20E-05	3.79E-09	1.10E-09	1.05E-05	3.33E-09	9.68E-10
3473	485363.09, 3849377.2	9.32E-06	2.94E-09	8.55E-10	1.14E-05	3.60E-09	1.05E-09	1.00E-05	3.16E-09	9.20E-10

3474	485863.09, 3849377.2	6.98E-06	2.20E-09	6.40E-10	8.55E-06	2.70E-09	7.84E-10	7.49E-06	2.36E-09	6.88E-10
3475	486363.09, 3849377.2	5.73E-06	1.81E-09	5.26E-10	7.02E-06	2.22E-09	6.44E-10	6.16E-06	1.94E-09	5.65E-10
3476	486863.09, 3849377.2	6.70E-06	2.11E-09	6.15E-10	8.20E-06	2.59E-09	7.53E-10	7.20E-06	2.27E-09	6.61E-10
3477	487363.09, 3849377.2	6.89E-06	2.17E-09	6.32E-10	8.44E-06	2.66E-09	7.74E-10	7.40E-06	2.33E-09	6.79E-10
3478	487863.09, 3849377.2	6.65E-06	2.10E-09	6.10E-10	8.14E-06	2.57E-09	7.48E-10	7.14E-06	2.25E-09	6.56E-10
3479	488363.09, 3849377.2	6.69E-06	2.11E-09	6.14E-10	8.19E-06	2.59E-09	7.52E-10	7.18E-06	2.27E-09	6.59E-10
3480	488863.09, 3849377.2	6.96E-06	2.20E-09	6.39E-10	8.52E-06	2.69E-09	7.83E-10	7.47E-06	2.36E-09	6.86E-10
3481	489363.09, 3849377.2	7.21E-06	2.28E-09	6.62E-10	8.84E-06	2.79E-09	8.11E-10	7.74E-06	2.44E-09	7.11E-10
3482	489863.09, 3849377.2	7.28E-06	2.30E-09	6.68E-10	8.91E-06	2.81E-09	8.18E-10	7.82E-06	2.47E-09	7.17E-10
3483	490363.09, 3849377.2	7.05E-06	2.23E-09	6.47E-10	8.64E-06	2.73E-09	7.93E-10	7.57E-06	2.39E-09	6.95E-10
3484	490863.09, 3849377.2	7.04E-06	2.22E-09	6.46E-10	8.62E-06	2.72E-09	7.92E-10	7.56E-06	2.39E-09	6.94E-10
3485	491363.09, 3849377.2	7.10E-06	2.24E-09	6.52E-10	8.70E-06	2.75E-09	7.99E-10	7.63E-06	2.41E-09	7.00E-10
3486	491863.09, 3849377.2	6.94E-06	2.19E-09	6.38E-10	8.51E-06	2.69E-09	7.81E-10	7.46E-06	2.35E-09	6.85E-10
3487	492363.09, 3849377.2	6.86E-06	2.17E-09	6.30E-10	8.41E-06	2.65E-09	7.72E-10	7.37E-06	2.33E-09	6.77E-10
3488	492863.09, 3849377.2	6.46E-06	2.04E-09	5.93E-10	7.91E-06	2.50E-09	7.27E-10	6.94E-06	2.19E-09	6.37E-10
3489	493363.09, 3849377.2	6.59E-06	2.08E-09	6.05E-10	8.07E-06	2.55E-09	7.41E-10	7.08E-06	2.23E-09	6.50E-10
3490	493863.09, 3849377.2	6.87E-06	2.17E-09	6.31E-10	8.42E-06	2.66E-09	7.73E-10	7.37E-06	2.33E-09	6.77E-10
3491	494363.09, 3849377.2	7.46E-06	2.35E-09	6.85E-10	9.14E-06	2.88E-09	8.39E-10	8.01E-06	2.53E-09	7.35E-10
3492	494863.09, 3849377.2	8.84E-06	2.79E-09	8.11E-10	1.08E-05	3.42E-09	9.94E-10	9.49E-06	2.99E-09	8.71E-10
3493	495363.09, 3849377.2	9.62E-06	3.04E-09	8.84E-10	1.18E-05	3.72E-09	1.08E-09	1.03E-05	3.26E-09	9.49E-10
3494	495863.09, 3849377.2	8.20E-06	2.59E-09	7.53E-10	1.00E-05	3.17E-09	9.23E-10	8.81E-06	2.78E-09	8.08E-10
3495	496363.09, 3849377.2	8.34E-06	2.63E-09	7.66E-10	1.02E-05	3.23E-09	9.38E-10	8.96E-06	2.83E-09	8.22E-10
3496	496863.09, 3849377.2	1.12E-05	3.55E-09	1.03E-09	1.38E-05	4.34E-09	1.26E-09	1.21E-05	3.81E-09	1.11E-09
3497	497363.09, 3849377.2	1.26E-05	3.97E-09	1.16E-09	1.54E-05	4.87E-09	1.42E-09	1.35E-05	4.27E-09	1.24E-09
3498	497863.09, 3849377.2	1.67E-05	5.26E-09	1.53E-09	2.04E-05	6.44E-09	1.87E-09	1.79E-05	5.65E-09	1.64E-09
3499	498363.09, 3849377.2	1.65E-05	5.21E-09	1.52E-09	2.02E-05	6.38E-09	1.86E-09	1.77E-05	5.60E-09	1.63E-09
3500	471363.09, 3849877.2	1.20E-05	3.78E-09	1.10E-09	1.47E-05	4.63E-09	1.35E-09	1.29E-05	4.06E-09	1.18E-09
3501	471863.09, 3849877.2	1.35E-05	4.26E-09	1.24E-09	1.65E-05	5.22E-09	1.52E-09	1.45E-05	4.58E-09	1.33E-09
3502	472363.09, 3849877.2	1.50E-05	4.73E-09	1.38E-09	1.84E-05	5.79E-09	1.69E-09	1.61E-05	5.08E-09	1.48E-09
3503	472863.09, 3849877.2	1.63E-05	5.15E-09	1.50E-09	2.00E-05	6.31E-09	1.84E-09	1.75E-05	5.54E-09	1.61E-09
3504	473363.09, 3849877.2	1.74E-05	5.50E-09	1.60E-09	2.14E-05	6.74E-09	1.96E-09	1.87E-05	5.91E-09	1.72E-09
3505	473863.09, 3849877.2	1.88E-05	5.93E-09	1.72E-09	2.30E-05	7.26E-09	2.11E-09	2.02E-05	6.37E-09	1.85E-09
3506	474363.09, 3849877.2	2.01E-05	6.36E-09	1.85E-09	2.47E-05	7.79E-09	2.26E-09	2.16E-05	6.83E-09	1.99E-09
3507	474863.09, 3849877.2	2.13E-05	6.73E-09	1.96E-09	2.61E-05	8.24E-09	2.40E-09	2.29E-05	7.23E-09	2.10E-09
3508	475363.09, 3849877.2	2.22E-05	7.00E-09	2.04E-09	2.72E-05	8.57E-09	2.49E-09	2.38E-05	7.52E-09	2.19E-09
3509	475863.09, 3849877.2	2.29E-05	7.24E-09	2.11E-09	2.81E-05	8.87E-09	2.58E-09	2.46E-05	7.78E-09	2.26E-09
3510	476363.09, 3849877.2	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.09E-09	2.64E-09	2.53E-05	7.97E-09	2.32E-09
3511	476863.09, 3849877.2	2.41E-05	7.62E-09	2.22E-09	2.96E-05	9.33E-09	2.71E-09	2.59E-05	8.18E-09	2.38E-09
3512	477363.09, 3849877.2	2.43E-05	7.68E-09	2.23E-09	2.98E-05	9.40E-09	2.74E-09	2.61E-05	8.25E-09	2.40E-09
3513	477863.09, 3849877.2	2.32E-05	7.33E-09	2.13E-09	2.85E-05	8.98E-09	2.61E-09	2.50E-05	7.88E-09	2.29E-09
3514	478363.09, 3849877.2	2.32E-05	7.31E-09	2.13E-09	2.84E-05	8.96E-09	2.60E-09	2.49E-05	7.86E-09	2.29E-09
3515	478863.09, 3849877.2	2.80E-05	8.85E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.51E-09	2.77E-09
3516	479363.09, 3849877.2	3.24E-05	1.02E-08	2.97E-09	3.96E-05	1.25E-08	3.64E-09	3.48E-05	1.10E-08	3.19E-09
3517	479863.09, 3849877.2	3.36E-05	1.06E-08	3.09E-09	4.12E-05	1.30E-08	3.78E-09	3.61E-05	1.14E-08	3.31E-09
3518	480363.09, 3849877.2	2.76E-05	8.73E-09	2.54E-09	3.39E-05	1.07E-08	3.11E-09	2.97E-05	9.37E-09	2.73E-09
3519	480863.09, 3849877.2	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.44E-09	2.45E-09	2.34E-05	7.40E-09	2.15E-09
3520	481363.09, 3849877.2	1.85E-05	5.84E-09	1.70E-09	2.27E-05	7.16E-09	2.08E-09	1.99E-05	6.28E-09	1.83E-09
3521	481863.09, 3849877.2	1.15E-05	3.64E-09	1.06E-09	1.41E-05	4.45E-09	1.30E-09	1.24E-05	3.91E-09	1.14E-09
3522	482363.09, 3849877.2	8.94E-06	2.82E-09	8.21E-10	1.10E-05	3.46E-09	1.01E-09	9.61E-06	3.03E-09	8.82E-10
3523	482863.09, 3849877.2	7.67E-06	2.42E-09	7.05E-10	9.40E-06	2.97E-09	8.63E-10	8.24E-06	2.60E-09	7.57E-10
3524	483363.09, 3849877.2	6.70E-06	2.11E-09	6.15E-10	8.20E-06	2.59E-09	7.53E-10	7.19E-06	2.27E-09	6.60E-10
3525	483863.09, 3849877.2	6.60E-06	2.08E-09	6.06E-10	8.08E-06	2.55E-09	7.42E-10	7.09E-06	2.24E-09	6.51E-10
3526	484363.09, 3849877.2	9.00E-06	2.84E-09	8.26E-10	1.10E-05	3.48E-09	1.01E-09	9.67E-06	3.05E-09	8.88E-10
3527	484863.09, 3849877.2	1.23E-05	3.88E-09	1.13E-09	1.51E-05	4.75E-09	1.38E-09	1.32E-05	4.17E-09	1.21E-09
3528	485363.09, 3849877.2	1.09E-05	3.42E-09	9.96E-10	1.33E-05	4.20E-09	1.22E-09	1.17E-05	3.68E-09	1.07E-09
3529	485863.09, 3849877.2	8.94E-06	2.82E-09	8.21E-10	1.10E-05	3.46E-09	1.01E-09	9.60E-06	3.03E-09	8.82E-10
3530	486363.09, 3849877.2	8.02E-06	2.53E-09	7.36E-10	9.82E-06	3.10E-09	9.02E-10	8.62E-06	2.72E-09	7.91E-10
3531	486863.09, 3849877.2	8.74E-06	2.76E-09	8.02E-10	1.07E-05	3.38E-09	9.82E-10	9.39E-06	2.96E-09	8.62E-10
3532	487363.09, 3849877.2	8.59E-06	2.71E-09	7.88E-10	1.05E-05	3.32E-09	9.66E-10	9.22E-06	2.91E-09	8.47E-10
3533	487863.09, 3849877.2	8.37E-06	2.64E-09	7.69E-10	1.03E-05	3.24E-09	9.41E-10	8.99E-06	2.84E-09	8.26E-10
3534	488363.09, 3849877.2	8.59E-06	2.71E-09	7.88E-10	1.05E-05	3.32E-09	9.66E-10	9.22E-06	2.91E-09	8.47E-10

3535	488863.09, 3849877.2	8.93E-06	2.82E-09	8.20E-10	1.09E-05	3.45E-09	1.00E-09	9.59E-06	3.03E-09	8.80E-10
3536	489363.09, 3849877.2	9.05E-06	2.86E-09	8.31E-10	1.11E-05	3.50E-09	1.02E-09	9.72E-06	3.07E-09	8.92E-10
3537	489863.09, 3849877.2	8.98E-06	2.83E-09	8.25E-10	1.10E-05	3.47E-09	1.01E-09	9.65E-06	3.04E-09	8.86E-10
3538	490363.09, 3849877.2	8.76E-06	2.77E-09	8.05E-10	1.07E-05	3.39E-09	9.86E-10	9.42E-06	2.97E-09	8.64E-10
3539	490863.09, 3849877.2	8.90E-06	2.81E-09	8.17E-10	1.09E-05	3.44E-09	1.00E-09	9.56E-06	3.02E-09	8.78E-10
3540	491363.09, 3849877.2	9.11E-06	2.88E-09	8.36E-10	1.12E-05	3.52E-09	1.02E-09	9.79E-06	3.09E-09	8.98E-10
3541	491863.09, 3849877.2	8.97E-06	2.83E-09	8.23E-10	1.10E-05	3.47E-09	1.01E-09	9.63E-06	3.04E-09	8.84E-10
3542	492363.09, 3849877.2	8.98E-06	2.84E-09	8.25E-10	1.10E-05	3.47E-09	1.01E-09	9.65E-06	3.04E-09	8.86E-10
3543	492863.09, 3849877.2	8.69E-06	2.74E-09	7.97E-10	1.06E-05	3.36E-09	9.77E-10	9.32E-06	2.94E-09	8.56E-10
3544	493363.09, 3849877.2	8.44E-06	2.66E-09	7.75E-10	1.03E-05	3.26E-09	9.49E-10	9.06E-06	2.86E-09	8.31E-10
3545	493863.09, 3849877.2	8.49E-06	2.68E-09	7.79E-10	1.04E-05	3.28E-09	9.55E-10	9.11E-06	2.88E-09	8.37E-10
3546	494363.09, 3849877.2	1.05E-05	3.32E-09	9.66E-10	1.29E-05	4.07E-09	1.18E-09	1.13E-05	3.56E-09	1.04E-09
3547	494863.09, 3849877.2	1.23E-05	3.87E-09	1.13E-09	1.50E-05	4.74E-09	1.38E-09	1.32E-05	4.16E-09	1.21E-09
3548	495363.09, 3849877.2	1.13E-05	3.57E-09	1.04E-09	1.38E-05	4.37E-09	1.27E-09	1.21E-05	3.83E-09	1.11E-09
3549	495863.09, 3849877.2	1.33E-05	4.21E-09	1.22E-09	1.63E-05	5.16E-09	1.50E-09	1.43E-05	4.52E-09	1.31E-09
3550	496363.09, 3849877.2	1.44E-05	4.55E-09	1.32E-09	1.76E-05	5.57E-09	1.62E-09	1.55E-05	4.88E-09	1.42E-09
3551	496863.09, 3849877.2	1.53E-05	4.83E-09	1.41E-09	1.88E-05	5.92E-09	1.72E-09	1.64E-05	5.19E-09	1.51E-09
3552	497363.09, 3849877.2	1.86E-05	5.88E-09	1.71E-09	2.28E-05	7.21E-09	2.10E-09	2.00E-05	6.32E-09	1.84E-09
3553	497863.09, 3849877.2	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.81E-09	2.27E-09	2.17E-05	6.85E-09	1.99E-09
3554	498363.09, 3849877.2	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.67E-09	2.23E-09	2.13E-05	6.72E-09	1.96E-09
3555	471363.09, 3850377.2	1.06E-05	3.33E-09	9.69E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.58E-09	1.04E-09
3556	471863.09, 3850377.2	1.31E-05	4.15E-09	1.21E-09	1.61E-05	5.08E-09	1.48E-09	1.41E-05	4.45E-09	1.30E-09
3557	472363.09, 3850377.2	1.42E-05	4.48E-09	1.30E-09	1.74E-05	5.49E-09	1.60E-09	1.53E-05	4.81E-09	1.40E-09
3558	472863.09, 3850377.2	1.61E-05	5.07E-09	1.47E-09	1.97E-05	6.21E-09	1.81E-09	1.72E-05	5.44E-09	1.58E-09
3559	473363.09, 3850377.2	1.70E-05	5.38E-09	1.57E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
3560	473863.09, 3850377.2	1.86E-05	5.86E-09	1.70E-09	2.27E-05	7.18E-09	2.09E-09	1.99E-05	6.30E-09	1.83E-09
3561	474363.09, 3850377.2	2.02E-05	6.37E-09	1.85E-09	2.47E-05	7.81E-09	2.27E-09	2.17E-05	6.85E-09	1.99E-09
3562	474863.09, 3850377.2	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.44E-09	2.45E-09	2.34E-05	7.40E-09	2.15E-09
3563	475363.09, 3850377.2	2.35E-05	7.41E-09	2.15E-09	2.87E-05	9.07E-09	2.64E-09	2.52E-05	7.96E-09	2.31E-09
3564	475863.09, 3850377.2	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.61E-09	2.80E-09	2.67E-05	8.43E-09	2.45E-09
3565	476363.09, 3850377.2	2.60E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.80E-09	2.56E-09
3566	476863.09, 3850377.2	2.69E-05	8.49E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.65E-09
3567	477363.09, 3850377.2	2.77E-05	8.76E-09	2.55E-09	3.40E-05	1.07E-08	3.12E-09	2.98E-05	9.41E-09	2.74E-09
3568	477863.09, 3850377.2	2.81E-05	8.86E-09	2.58E-09	3.44E-05	1.09E-08	3.16E-09	3.02E-05	9.52E-09	2.77E-09
3569	478363.09, 3850377.2	2.72E-05	8.57E-09	2.49E-09	3.33E-05	1.05E-08	3.05E-09	2.92E-05	9.21E-09	2.68E-09
3570	478863.09, 3850377.2	2.86E-05	9.03E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.08E-05	9.71E-09	2.82E-09
3571	479363.09, 3850377.2	3.35E-05	1.06E-08	3.08E-09	4.11E-05	1.30E-08	3.77E-09	3.60E-05	1.14E-08	3.31E-09
3572	479863.09, 3850377.2	3.83E-05	1.21E-08	3.52E-09	4.69E-05	1.48E-08	4.31E-09	4.11E-05	1.30E-08	3.78E-09
3573	480363.09, 3850377.2	3.88E-05	1.22E-08	3.56E-09	4.75E-05	1.50E-08	4.36E-09	4.16E-05	1.31E-08	3.82E-09
3574	480863.09, 3850377.2	3.54E-05	1.12E-08	3.25E-09	4.33E-05	1.37E-08	3.98E-09	3.80E-05	1.20E-08	3.49E-09
3575	481363.09, 3850377.2	2.34E-05	7.40E-09	2.15E-09	2.87E-05	9.07E-09	2.64E-09	2.52E-05	7.95E-09	2.31E-09
3576	481863.09, 3850377.2	2.14E-05	6.77E-09	1.97E-09	2.63E-05	8.29E-09	2.41E-09	2.30E-05	7.27E-09	2.11E-09
3577	482363.09, 3850377.2	1.86E-05	5.87E-09	1.71E-09	2.28E-05	7.19E-09	2.09E-09	2.00E-05	6.31E-09	1.84E-09
3578	482863.09, 3850377.2	1.20E-05	3.79E-09	1.10E-09	1.47E-05	4.64E-09	1.35E-09	1.29E-05	4.07E-09	1.18E-09
3579	483363.09, 3850377.2	9.40E-06	2.97E-09	8.63E-10	1.15E-05	3.64E-09	1.06E-09	1.01E-05	3.19E-09	9.27E-10
3580	483863.09, 3850377.2	1.02E-05	3.23E-09	9.39E-10	1.25E-05	3.95E-09	1.15E-09	1.10E-05	3.47E-09	1.01E-09
3581	484363.09, 3850377.2	1.24E-05	3.91E-09	1.14E-09	1.52E-05	4.80E-09	1.39E-09	1.33E-05	4.21E-09	1.22E-09
3582	484863.09, 3850377.2	1.49E-05	4.71E-09	1.37E-09	1.83E-05	5.77E-09	1.68E-09	1.61E-05	5.07E-09	1.47E-09
3583	485363.09, 3850377.2	1.43E-05	4.53E-09	1.32E-09	1.76E-05	5.55E-09	1.61E-09	1.54E-05	4.87E-09	1.42E-09
3584	485863.09, 3850377.2	1.26E-05	3.96E-09	1.15E-09	1.54E-05	4.85E-09	1.41E-09	1.35E-05	4.26E-09	1.24E-09
3585	486363.09, 3850377.2	1.20E-05	3.78E-09	1.10E-09	1.47E-05	4.63E-09	1.35E-09	1.29E-05	4.06E-09	1.18E-09
3586	486863.09, 3850377.2	1.16E-05	3.66E-09	1.07E-09	1.42E-05	4.49E-09	1.30E-09	1.25E-05	3.94E-09	1.14E-09
3587	487363.09, 3850377.2	1.08E-05	3.42E-09	9.96E-10	1.33E-05	4.19E-09	1.22E-09	1.17E-05	3.68E-09	1.07E-09
3588	487863.09, 3850377.2	1.11E-05	3.50E-09	1.02E-09	1.36E-05	4.29E-09	1.25E-09	1.19E-05	3.76E-09	1.09E-09
3589	488363.09, 3850377.2	1.13E-05	3.56E-09	1.04E-09	1.38E-05	4.36E-09	1.27E-09	1.21E-05	3.82E-09	1.11E-09
3590	488863.09, 3850377.2	1.15E-05	3.63E-09	1.06E-09	1.41E-05	4.45E-09	1.29E-09	1.24E-05	3.90E-09	1.13E-09
3591	489363.09, 3850377.2	1.16E-05	3.67E-09	1.07E-09	1.43E-05	4.50E-09	1.31E-09	1.25E-05	3.95E-09	1.15E-09
3592	489863.09, 3850377.2	1.14E-05	3.61E-09	1.05E-09	1.40E-05	4.42E-09	1.29E-09	1.23E-05	3.88E-09	1.13E-09
3593	490363.09, 3850377.2	1.15E-05	3.62E-09	1.05E-09	1.41E-05	4.44E-09	1.29E-09	1.23E-05	3.89E-09	1.13E-09
3594	490863.09, 3850377.2	1.19E-05	3.74E-09	1.09E-09	1.45E-05	4.58E-09	1.33E-09	1.27E-05	4.02E-09	1.17E-09
3595	491363.09, 3850377.2	1.22E-05	3.84E-09	1.12E-09	1.49E-05	4.70E-09	1.37E-09	1.31E-05	4.12E-09	1.20E-09

3596	491863.09, 3850377.2	1.20E-05	3.77E-09	1.10E-09	1.46E-05	4.62E-09	1.34E-09	1.28E-05	4.05E-09	1.18E-09
3597	492363.09, 3850377.2	1.16E-05	3.65E-09	1.06E-09	1.42E-05	4.47E-09	1.30E-09	1.24E-05	3.92E-09	1.14E-09
3598	492863.09, 3850377.2	1.16E-05	3.65E-09	1.06E-09	1.42E-05	4.47E-09	1.30E-09	1.24E-05	3.92E-09	1.14E-09
3599	493363.09, 3850377.2	1.13E-05	3.56E-09	1.04E-09	1.38E-05	4.36E-09	1.27E-09	1.21E-05	3.82E-09	1.11E-09
3600	493863.09, 3850377.2	1.27E-05	4.00E-09	1.16E-09	1.55E-05	4.90E-09	1.43E-09	1.36E-05	4.29E-09	1.25E-09
3601	494363.09, 3850377.2	1.39E-05	4.40E-09	1.28E-09	1.71E-05	5.39E-09	1.57E-09	1.50E-05	4.72E-09	1.37E-09
3602	494863.09, 3850377.2	1.60E-05	5.04E-09	1.47E-09	1.96E-05	6.17E-09	1.80E-09	1.71E-05	5.41E-09	1.57E-09
3603	495363.09, 3850377.2	1.85E-05	5.83E-09	1.70E-09	2.26E-05	7.15E-09	2.08E-09	1.98E-05	6.26E-09	1.82E-09
3604	495863.09, 3850377.2	1.80E-05	5.69E-09	1.65E-09	2.21E-05	6.96E-09	2.03E-09	1.93E-05	6.11E-09	1.78E-09
3605	496363.09, 3850377.2	2.05E-05	6.48E-09	1.89E-09	2.52E-05	7.94E-09	2.31E-09	2.21E-05	6.96E-09	2.03E-09
3606	496863.09, 3850377.2	2.30E-05	7.26E-09	2.11E-09	2.82E-05	8.89E-09	2.59E-09	2.47E-05	7.80E-09	2.27E-09
3607	497363.09, 3850377.2	2.43E-05	7.66E-09	2.23E-09	2.97E-05	9.38E-09	2.73E-09	2.61E-05	8.22E-09	2.39E-09
3608	497863.09, 3850377.2	2.44E-05	7.70E-09	2.24E-09	2.99E-05	9.43E-09	2.74E-09	2.62E-05	8.27E-09	2.40E-09
3609	498363.09, 3850377.2	2.44E-05	7.71E-09	2.24E-09	2.99E-05	9.45E-09	2.75E-09	2.62E-05	8.28E-09	2.41E-09
3610	471363.09, 3850877.2	1.31E-05	4.13E-09	1.20E-09	1.60E-05	5.06E-09	1.47E-09	1.41E-05	4.43E-09	1.29E-09
3611	471863.09, 3850877.2	1.44E-05	4.55E-09	1.32E-09	1.77E-05	5.57E-09	1.62E-09	1.55E-05	4.89E-09	1.42E-09
3612	472363.09, 3850877.2	1.60E-05	5.04E-09	1.47E-09	1.96E-05	6.18E-09	1.80E-09	1.72E-05	5.42E-09	1.58E-09
3613	472863.09, 3850877.2	1.72E-05	5.43E-09	1.58E-09	2.11E-05	6.65E-09	1.93E-09	1.85E-05	5.83E-09	1.70E-09
3614	473363.09, 3850877.2	1.68E-05	5.32E-09	1.55E-09	2.06E-05	6.51E-09	1.89E-09	1.81E-05	5.71E-09	1.66E-09
3615	473863.09, 3850877.2	1.84E-05	5.80E-09	1.69E-09	2.25E-05	7.10E-09	2.06E-09	1.97E-05	6.23E-09	1.81E-09
3616	474363.09, 3850877.2	2.05E-05	6.47E-09	1.88E-09	2.51E-05	7.92E-09	2.30E-09	2.20E-05	6.95E-09	2.02E-09
3617	474863.09, 3850877.2	2.21E-05	6.97E-09	2.03E-09	2.71E-05	8.54E-09	2.48E-09	2.37E-05	7.49E-09	2.18E-09
3618	475363.09, 3850877.2	2.38E-05	7.51E-09	2.19E-09	2.92E-05	9.20E-09	2.68E-09	2.56E-05	8.07E-09	2.35E-09
3619	475863.09, 3850877.2	2.57E-05	8.12E-09	2.36E-09	3.15E-05	9.95E-09	2.89E-09	2.77E-05	8.73E-09	2.54E-09
3620	476363.09, 3850877.2	2.77E-05	8.74E-09	2.54E-09	3.39E-05	1.07E-08	3.11E-09	2.97E-05	9.39E-09	2.73E-09
3621	476863.09, 3850877.2	2.95E-05	9.30E-09	2.71E-09	3.61E-05	1.14E-08	3.31E-09	3.17E-05	1.00E-08	2.91E-09
3622	477363.09, 3850877.2	3.10E-05	9.79E-09	2.85E-09	3.80E-05	1.20E-08	3.49E-09	3.33E-05	1.05E-08	3.06E-09
3623	477863.09, 3850877.2	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
3624	478363.09, 3850877.2	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.54E-05	1.12E-08	3.25E-09
3625	478863.09, 3850877.2	3.33E-05	1.05E-08	3.05E-09	4.08E-05	1.29E-08	3.74E-09	3.58E-05	1.13E-08	3.28E-09
3626	479363.09, 3850877.2	3.41E-05	1.08E-08	3.13E-09	4.18E-05	1.32E-08	3.83E-09	3.67E-05	1.16E-08	3.37E-09
3627	479863.09, 3850877.2	3.90E-05	1.23E-08	3.58E-09	4.77E-05	1.51E-08	4.38E-09	4.19E-05	1.32E-08	3.84E-09
3628	480363.09, 3850877.2	4.60E-05	1.45E-08	4.22E-09	5.63E-05	1.78E-08	5.17E-09	4.94E-05	1.56E-08	4.54E-09
3629	480863.09, 3850877.2	4.78E-05	1.51E-08	4.39E-09	5.86E-05	1.85E-08	5.38E-09	5.14E-05	1.62E-08	4.72E-09
3630	481363.09, 3850877.2	4.33E-05	1.37E-08	3.97E-09	5.30E-05	1.67E-08	4.87E-09	4.65E-05	1.47E-08	4.27E-09
3631	481863.09, 3850877.2	3.56E-05	1.12E-08	3.27E-09	4.36E-05	1.38E-08	4.01E-09	3.83E-05	1.21E-08	3.51E-09
3632	482363.09, 3850877.2	2.77E-05	8.73E-09	2.54E-09	3.39E-05	1.07E-08	3.11E-09	2.97E-05	9.38E-09	2.73E-09
3633	482863.09, 3850877.2	2.14E-05	6.77E-09	1.97E-09	2.63E-05	8.29E-09	2.41E-09	2.30E-05	7.27E-09	2.12E-09
3634	483363.09, 3850877.2	1.60E-05	5.04E-09	1.47E-09	1.96E-05	6.18E-09	1.80E-09	1.72E-05	5.42E-09	1.58E-09
3635	483863.09, 3850877.2	1.55E-05	4.89E-09	1.42E-09	1.90E-05	6.00E-09	1.74E-09	1.67E-05	5.26E-09	1.53E-09
3636	484363.09, 3850877.2	1.80E-05	5.69E-09	1.66E-09	2.21E-05	6.97E-09	2.03E-09	1.94E-05	6.12E-09	1.78E-09
3637	484863.09, 3850877.2	1.76E-05	5.54E-09	1.61E-09	2.15E-05	6.79E-09	1.98E-09	1.89E-05	5.96E-09	1.73E-09
3638	485363.09, 3850877.2	1.84E-05	5.79E-09	1.68E-09	2.25E-05	7.10E-09	2.06E-09	1.97E-05	6.22E-09	1.81E-09
3639	485863.09, 3850877.2	1.53E-05	4.83E-09	1.40E-09	1.87E-05	5.91E-09	1.72E-09	1.64E-05	5.19E-09	1.51E-09
3640	486363.09, 3850877.2	1.57E-05	4.97E-09	1.45E-09	1.93E-05	6.09E-09	1.77E-09	1.69E-05	5.34E-09	1.55E-09
3641	486863.09, 3850877.2	1.51E-05	4.76E-09	1.38E-09	1.85E-05	5.83E-09	1.70E-09	1.62E-05	5.11E-09	1.49E-09
3642	487363.09, 3850877.2	1.44E-05	4.55E-09	1.32E-09	1.77E-05	5.57E-09	1.62E-09	1.55E-05	4.89E-09	1.42E-09
3643	487863.09, 3850877.2	1.47E-05	4.63E-09	1.35E-09	1.80E-05	5.67E-09	1.65E-09	1.57E-05	4.97E-09	1.45E-09
3644	488363.09, 3850877.2	1.50E-05	4.73E-09	1.37E-09	1.83E-05	5.79E-09	1.68E-09	1.61E-05	5.08E-09	1.48E-09
3645	488863.09, 3850877.2	1.51E-05	4.78E-09	1.39E-09	1.85E-05	5.85E-09	1.70E-09	1.63E-05	5.13E-09	1.49E-09
3646	489363.09, 3850877.2	1.54E-05	4.88E-09	1.42E-09	1.89E-05	5.97E-09	1.74E-09	1.66E-05	5.24E-09	1.52E-09
3647	489863.09, 3850877.2	1.56E-05	4.93E-09	1.43E-09	1.91E-05	6.04E-09	1.76E-09	1.68E-05	5.29E-09	1.54E-09
3648	490363.09, 3850877.2	1.63E-05	5.13E-09	1.49E-09	1.99E-05	6.28E-09	1.83E-09	1.75E-05	5.51E-09	1.60E-09
3649	490863.09, 3850877.2	1.69E-05	5.32E-09	1.55E-09	2.07E-05	6.52E-09	1.90E-09	1.81E-05	5.71E-09	1.66E-09
3650	491363.09, 3850877.2	1.68E-05	5.31E-09	1.55E-09	2.06E-05	6.51E-09	1.89E-09	1.81E-05	5.70E-09	1.66E-09
3651	491863.09, 3850877.2	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.40E-09	1.86E-09	1.78E-05	5.61E-09	1.63E-09
3652	492363.09, 3850877.2	1.64E-05	5.17E-09	1.50E-09	2.01E-05	6.34E-09	1.84E-09	1.76E-05	5.55E-09	1.61E-09
3653	492863.09, 3850877.2	1.65E-05	5.20E-09	1.51E-09	2.02E-05	6.37E-09	1.85E-09	1.77E-05	5.58E-09	1.62E-09
3654	493363.09, 3850877.2	1.70E-05	5.36E-09	1.56E-09	2.08E-05	6.56E-09	1.91E-09	1.82E-05	5.75E-09	1.67E-09
3655	493863.09, 3850877.2	1.90E-05	6.00E-09	1.75E-09	2.33E-05	7.35E-09	2.14E-09	2.04E-05	6.44E-09	1.87E-09
3656	494363.09, 3850877.2	2.02E-05	6.37E-09	1.85E-09	2.47E-05	7.81E-09	2.27E-09	2.17E-05	6.84E-09	1.99E-09

3657	494863.09, 3850877.2	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.74E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
3658	495363.09, 3850877.2	2.52E-05	7.96E-09	2.32E-09	3.09E-05	9.76E-09	2.84E-09	2.71E-05	8.55E-09	2.49E-09
3659	495863.09, 3850877.2	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.79E-09	2.56E-09
3660	496363.09, 3850877.2	2.75E-05	8.68E-09	2.52E-09	3.37E-05	1.06E-08	3.09E-09	2.95E-05	9.32E-09	2.71E-09
3661	496863.09, 3850877.2	3.00E-05	9.46E-09	2.75E-09	3.67E-05	1.16E-08	3.37E-09	3.22E-05	1.02E-08	2.95E-09
3662	497363.09, 3850877.2	3.03E-05	9.56E-09	2.78E-09	3.71E-05	1.17E-08	3.41E-09	3.25E-05	1.03E-08	2.99E-09
3663	497863.09, 3850877.2	2.99E-05	9.43E-09	2.74E-09	3.66E-05	1.16E-08	3.36E-09	3.21E-05	1.01E-08	2.95E-09
3664	498363.09, 3850877.2	2.94E-05	9.28E-09	2.70E-09	3.60E-05	1.14E-08	3.31E-09	3.16E-05	9.97E-09	2.90E-09
3665	471363.09, 3851377.2	1.40E-05	4.41E-09	1.28E-09	1.71E-05	5.41E-09	1.57E-09	1.50E-05	4.74E-09	1.38E-09
3666	471863.09, 3851377.2	1.67E-05	5.27E-09	1.53E-09	2.04E-05	6.45E-09	1.88E-09	1.79E-05	5.66E-09	1.65E-09
3667	472363.09, 3851377.2	1.72E-05	5.44E-09	1.58E-09	2.11E-05	6.66E-09	1.94E-09	1.85E-05	5.84E-09	1.70E-09
3668	472863.09, 3851377.2	1.79E-05	5.63E-09	1.64E-09	2.19E-05	6.90E-09	2.01E-09	1.92E-05	6.05E-09	1.76E-09
3669	473363.09, 3851377.2	1.70E-05	5.37E-09	1.56E-09	2.08E-05	6.58E-09	1.91E-09	1.83E-05	5.76E-09	1.68E-09
3670	473863.09, 3851377.2	1.79E-05	5.65E-09	1.64E-09	2.19E-05	6.92E-09	2.01E-09	1.92E-05	6.07E-09	1.77E-09
3671	474363.09, 3851377.2	2.02E-05	6.39E-09	1.86E-09	2.48E-05	7.82E-09	2.28E-09	2.17E-05	6.86E-09	1.99E-09
3672	474863.09, 3851377.2	2.21E-05	6.98E-09	2.03E-09	2.71E-05	8.55E-09	2.49E-09	2.37E-05	7.50E-09	2.18E-09
3673	475363.09, 3851377.2	2.42E-05	7.62E-09	2.22E-09	2.96E-05	9.34E-09	2.72E-09	2.60E-05	8.19E-09	2.38E-09
3674	475863.09, 3851377.2	2.60E-05	8.22E-09	2.39E-09	3.19E-05	1.01E-08	2.93E-09	2.80E-05	8.83E-09	2.57E-09
3675	476363.09, 3851377.2	2.82E-05	8.90E-09	2.59E-09	3.45E-05	1.09E-08	3.17E-09	3.03E-05	9.56E-09	2.78E-09
3676	476863.09, 3851377.2	3.02E-05	9.54E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.25E-05	1.02E-08	2.98E-09
3677	477363.09, 3851377.2	3.32E-05	1.05E-08	3.05E-09	4.07E-05	1.28E-08	3.74E-09	3.57E-05	1.13E-08	3.28E-09
3678	477863.09, 3851377.2	3.56E-05	1.12E-08	3.27E-09	4.36E-05	1.38E-08	4.01E-09	3.83E-05	1.21E-08	3.51E-09
3679	478363.09, 3851377.2	3.75E-05	1.18E-08	3.45E-09	4.60E-05	1.45E-08	4.22E-09	4.03E-05	1.27E-08	3.70E-09
3680	478863.09, 3851377.2	3.89E-05	1.23E-08	3.58E-09	4.77E-05	1.51E-08	4.38E-09	4.19E-05	1.32E-08	3.84E-09
3681	479363.09, 3851377.2	3.97E-05	1.25E-08	3.64E-09	4.86E-05	1.53E-08	4.46E-09	4.26E-05	1.35E-08	3.91E-09
3682	479863.09, 3851377.2	4.07E-05	1.29E-08	3.74E-09	4.99E-05	1.57E-08	4.58E-09	4.38E-05	1.38E-08	4.02E-09
3683	480363.09, 3851377.2	4.64E-05	1.46E-08	4.26E-09	5.69E-05	1.79E-08	5.22E-09	4.99E-05	1.57E-08	4.58E-09
3684	480863.09, 3851377.2	5.47E-05	1.73E-08	5.03E-09	6.71E-05	2.12E-08	6.16E-09	5.88E-05	1.86E-08	5.40E-09
3685	481363.09, 3851377.2	5.76E-05	1.82E-08	5.29E-09	7.06E-05	2.23E-08	6.48E-09	6.19E-05	1.95E-08	5.69E-09
3686	481863.09, 3851377.2	5.12E-05	1.62E-08	4.70E-09	6.27E-05	1.98E-08	5.76E-09	5.50E-05	1.74E-08	5.05E-09
3687	482363.09, 3851377.2	4.42E-05	1.40E-08	4.06E-09	5.42E-05	1.71E-08	4.98E-09	4.75E-05	1.50E-08	4.36E-09
3688	482863.09, 3851377.2	3.44E-05	1.08E-08	3.15E-09	4.21E-05	1.33E-08	3.86E-09	3.69E-05	1.17E-08	3.39E-09
3689	483363.09, 3851377.2	2.44E-05	7.69E-09	2.24E-09	2.98E-05	9.42E-09	2.74E-09	2.62E-05	8.26E-09	2.40E-09
3690	483863.09, 3851377.2	2.12E-05	6.70E-09	1.95E-09	2.60E-05	8.21E-09	2.39E-09	2.28E-05	7.20E-09	2.09E-09
3691	484363.09, 3851377.2	2.66E-05	8.40E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.02E-09	2.62E-09
3692	484863.09, 3851377.2	1.84E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.25E-09	1.82E-09
3693	485363.09, 3851377.2	2.47E-05	7.78E-09	2.26E-09	3.02E-05	9.53E-09	2.77E-09	2.65E-05	8.36E-09	2.43E-09
3694	485863.09, 3851377.2	1.99E-05	6.30E-09	1.83E-09	2.44E-05	7.71E-09	2.24E-09	2.14E-05	6.77E-09	1.97E-09
3695	486363.09, 3851377.2	2.17E-05	6.86E-09	1.99E-09	2.66E-05	8.40E-09	2.44E-09	2.33E-05	7.37E-09	2.14E-09
3696	486863.09, 3851377.2	2.05E-05	6.48E-09	1.89E-09	2.52E-05	7.94E-09	2.31E-09	2.21E-05	6.97E-09	2.03E-09
3697	487363.09, 3851377.2	1.77E-05	5.60E-09	1.63E-09	2.17E-05	6.86E-09	1.99E-09	1.90E-05	6.01E-09	1.75E-09
3698	487863.09, 3851377.2	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.67E-09	2.23E-09	2.13E-05	6.73E-09	1.96E-09
3699	488363.09, 3851377.2	2.06E-05	6.50E-09	1.89E-09	2.52E-05	7.97E-09	2.32E-09	2.21E-05	6.99E-09	2.03E-09
3700	488863.09, 3851377.2	2.09E-05	6.61E-09	1.92E-09	2.57E-05	8.10E-09	2.35E-09	2.25E-05	7.10E-09	2.07E-09
3701	489363.09, 3851377.2	2.16E-05	6.82E-09	1.98E-09	2.65E-05	8.35E-09	2.43E-09	2.32E-05	7.32E-09	2.13E-09
3702	489863.09, 3851377.2	2.23E-05	7.03E-09	2.05E-09	2.73E-05	8.61E-09	2.51E-09	2.39E-05	7.55E-09	2.20E-09
3703	490363.09, 3851377.2	2.31E-05	7.28E-09	2.12E-09	2.83E-05	8.92E-09	2.59E-09	2.48E-05	7.82E-09	2.27E-09
3704	490863.09, 3851377.2	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.10E-09	2.65E-09	2.53E-05	7.97E-09	2.32E-09
3705	491363.09, 3851377.2	2.33E-05	7.36E-09	2.14E-09	2.86E-05	9.02E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
3706	491863.09, 3851377.2	2.33E-05	7.36E-09	2.14E-09	2.86E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
3707	492363.09, 3851377.2	2.37E-05	7.47E-09	2.17E-09	2.90E-05	9.15E-09	2.66E-09	2.54E-05	8.02E-09	2.33E-09
3708	492863.09, 3851377.2	2.33E-05	7.37E-09	2.14E-09	2.86E-05	9.03E-09	2.63E-09	2.51E-05	7.91E-09	2.30E-09
3709	493363.09, 3851377.2	2.12E-05	6.70E-09	1.95E-09	2.60E-05	8.21E-09	2.39E-09	2.28E-05	7.19E-09	2.09E-09
3710	493863.09, 3851377.2	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.09E-09	2.65E-09	2.53E-05	7.97E-09	2.32E-09
3711	494363.09, 3851377.2	2.83E-05	8.93E-09	2.60E-09	3.47E-05	1.09E-08	3.18E-09	3.04E-05	9.59E-09	2.79E-09
3712	494863.09, 3851377.2	2.97E-05	9.36E-09	2.72E-09	3.63E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.92E-09
3713	495363.09, 3851377.2	3.46E-05	1.09E-08	3.18E-09	4.24E-05	1.34E-08	3.89E-09	3.71E-05	1.17E-08	3.41E-09
3714	495863.09, 3851377.2	3.65E-05	1.15E-08	3.35E-09	4.47E-05	1.41E-08	4.11E-09	3.92E-05	1.24E-08	3.60E-09
3715	496363.09, 3851377.2	3.75E-05	1.18E-08	3.44E-09	4.59E-05	1.45E-08	4.21E-09	4.02E-05	1.27E-08	3.69E-09
3716	496863.09, 3851377.2	3.77E-05	1.19E-08	3.46E-09	4.62E-05	1.46E-08	4.24E-09	4.05E-05	1.28E-08	3.72E-09
3717	497363.09, 3851377.2	3.77E-05	1.19E-08	3.46E-09	4.62E-05	1.46E-08	4.24E-09	4.05E-05	1.28E-08	3.72E-09

3718	497863.09, 3851377.2	3.70E-05	1.17E-08	3.40E-09	4.53E-05	1.43E-08	4.16E-09	3.97E-05	1.25E-08	3.65E-09
3719	498363.09, 3851377.2	3.49E-05	1.10E-08	3.20E-09	4.28E-05	1.35E-08	3.93E-09	3.75E-05	1.18E-08	3.44E-09
3720	471363.09, 3851877.2	1.56E-05	4.91E-09	1.43E-09	1.91E-05	6.02E-09	1.75E-09	1.67E-05	5.27E-09	1.53E-09
3721	471863.09, 3851877.2	1.53E-05	4.84E-09	1.41E-09	1.88E-05	5.93E-09	1.72E-09	1.65E-05	5.20E-09	1.51E-09
3722	472363.09, 3851877.2	1.71E-05	5.40E-09	1.57E-09	2.09E-05	6.61E-09	1.92E-09	1.84E-05	5.80E-09	1.69E-09
3723	472863.09, 3851877.2	1.87E-05	5.90E-09	1.72E-09	2.29E-05	7.23E-09	2.10E-09	2.01E-05	6.34E-09	1.84E-09
3724	473363.09, 3851877.2	1.81E-05	5.70E-09	1.66E-09	2.21E-05	6.99E-09	2.03E-09	1.94E-05	6.13E-09	1.78E-09
3725	473863.09, 3851877.2	1.88E-05	5.94E-09	1.73E-09	2.30E-05	7.27E-09	2.11E-09	2.02E-05	6.38E-09	1.85E-09
3726	474363.09, 3851877.2	2.16E-05	6.80E-09	1.98E-09	2.64E-05	8.34E-09	2.42E-09	2.32E-05	7.31E-09	2.13E-09
3727	474863.09, 3851877.2	2.40E-05	7.56E-09	2.20E-09	2.93E-05	9.26E-09	2.69E-09	2.57E-05	8.12E-09	2.36E-09
3728	475363.09, 3851877.2	2.54E-05	8.02E-09	2.33E-09	3.11E-05	9.82E-09	2.86E-09	2.73E-05	8.61E-09	2.50E-09
3729	475863.09, 3851877.2	2.66E-05	8.40E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.86E-05	9.02E-09	2.62E-09
3730	476363.09, 3851877.2	2.71E-05	8.55E-09	2.49E-09	3.32E-05	1.05E-08	3.05E-09	2.91E-05	9.18E-09	2.67E-09
3731	476863.09, 3851877.2	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
3732	477363.09, 3851877.2	3.29E-05	1.04E-08	3.02E-09	4.03E-05	1.27E-08	3.70E-09	3.54E-05	1.12E-08	3.25E-09
3733	477863.09, 3851877.2	3.64E-05	1.15E-08	3.34E-09	4.46E-05	1.41E-08	4.09E-09	3.91E-05	1.23E-08	3.59E-09
3734	478363.09, 3851877.2	3.94E-05	1.24E-08	3.62E-09	4.83E-05	1.52E-08	4.43E-09	4.23E-05	1.34E-08	3.89E-09
3735	478863.09, 3851877.2	4.34E-05	1.37E-08	3.99E-09	5.32E-05	1.68E-08	4.88E-09	4.66E-05	1.47E-08	4.28E-09
3736	479363.09, 3851877.2	4.67E-05	1.47E-08	4.29E-09	5.72E-05	1.81E-08	5.25E-09	5.02E-05	1.58E-08	4.61E-09
3737	479863.09, 3851877.2	4.83E-05	1.52E-08	4.43E-09	5.91E-05	1.87E-08	5.43E-09	5.19E-05	1.64E-08	4.76E-09
3738	480363.09, 3851877.2	4.96E-05	1.57E-08	4.56E-09	6.08E-05	1.92E-08	5.58E-09	5.34E-05	1.68E-08	4.90E-09
3739	480863.09, 3851877.2	5.63E-05	1.78E-08	5.16E-09	6.89E-05	2.17E-08	6.33E-09	6.05E-05	1.91E-08	5.55E-09
3740	481363.09, 3851877.2	6.63E-05	2.09E-08	6.09E-09	8.12E-05	2.56E-08	7.46E-09	7.13E-05	2.25E-08	6.54E-09
3741	481863.09, 3851877.2	7.04E-05	2.22E-08	6.46E-09	8.62E-05	2.72E-08	7.92E-09	7.57E-05	2.39E-08	6.95E-09
3742	482363.09, 3851877.2	5.66E-05	1.79E-08	5.19E-09	6.93E-05	2.19E-08	6.36E-09	6.08E-05	1.92E-08	5.58E-09
3743	482863.09, 3851877.2	3.92E-05	1.24E-08	3.60E-09	4.80E-05	1.52E-08	4.41E-09	4.21E-05	1.33E-08	3.87E-09
3744	483363.09, 3851877.2	3.94E-05	1.24E-08	3.61E-09	4.82E-05	1.52E-08	4.43E-09	4.23E-05	1.33E-08	3.88E-09
3745	483863.09, 3851877.2	3.58E-05	1.13E-08	3.28E-09	4.38E-05	1.38E-08	4.02E-09	3.84E-05	1.21E-08	3.53E-09
3746	484363.09, 3851877.2	3.78E-05	1.19E-08	3.47E-09	4.63E-05	1.46E-08	4.25E-09	4.06E-05	1.28E-08	3.73E-09
3747	484863.09, 3851877.2	3.24E-05	1.02E-08	2.97E-09	3.97E-05	1.25E-08	3.64E-09	3.48E-05	1.10E-08	3.20E-09
3748	485363.09, 3851877.2	3.31E-05	1.04E-08	3.04E-09	4.05E-05	1.28E-08	3.72E-09	3.56E-05	1.12E-08	3.27E-09
3749	485863.09, 3851877.2	3.31E-05	1.05E-08	3.04E-09	4.06E-05	1.28E-08	3.72E-09	3.56E-05	1.12E-08	3.27E-09
3750	486363.09, 3851877.2	2.89E-05	9.11E-09	2.65E-09	3.54E-05	1.12E-08	3.25E-09	3.10E-05	9.79E-09	2.85E-09
3751	486863.09, 3851877.2	2.86E-05	9.04E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.08E-05	9.71E-09	2.82E-09
3752	487363.09, 3851877.2	2.84E-05	8.96E-09	2.61E-09	3.48E-05	1.10E-08	3.19E-09	3.05E-05	9.62E-09	2.80E-09
3753	487863.09, 3851877.2	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.62E-09	2.80E-09	2.67E-05	8.44E-09	2.45E-09
3754	488363.09, 3851877.2	2.59E-05	8.17E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.55E-09
3755	488863.09, 3851877.2	2.58E-05	8.13E-09	2.37E-09	3.16E-05	9.96E-09	2.90E-09	2.77E-05	8.73E-09	2.54E-09
3756	489363.09, 3851877.2	2.61E-05	8.23E-09	2.39E-09	3.19E-05	1.01E-08	2.93E-09	2.80E-05	8.84E-09	2.57E-09
3757	489863.09, 3851877.2	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.65E-09
3758	490363.09, 3851877.2	2.86E-05	9.03E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.07E-05	9.70E-09	2.82E-09
3759	490863.09, 3851877.2	3.06E-05	9.65E-09	2.81E-09	3.75E-05	1.18E-08	3.44E-09	3.28E-05	1.04E-08	3.01E-09
3760	491363.09, 3851877.2	3.27E-05	1.03E-08	3.00E-09	4.00E-05	1.26E-08	3.67E-09	3.51E-05	1.11E-08	3.22E-09
3761	491863.09, 3851877.2	3.41E-05	1.08E-08	3.13E-09	4.17E-05	1.32E-08	3.83E-09	3.66E-05	1.15E-08	3.36E-09
3762	492363.09, 3851877.2	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.58E-05	1.13E-08	3.29E-09
3763	492863.09, 3851877.2	2.90E-05	9.16E-09	2.66E-09	3.56E-05	1.12E-08	3.26E-09	3.12E-05	9.84E-09	2.86E-09
3764	493363.09, 3851877.2	3.51E-05	1.11E-08	3.23E-09	4.30E-05	1.36E-08	3.95E-09	3.77E-05	1.19E-08	3.46E-09
3765	493863.09, 3851877.2	4.20E-05	1.32E-08	3.85E-09	5.14E-05	1.62E-08	4.72E-09	4.51E-05	1.42E-08	4.14E-09
3766	494363.09, 3851877.2	4.08E-05	1.29E-08	3.74E-09	5.00E-05	1.58E-08	4.59E-09	4.38E-05	1.38E-08	4.02E-09
3767	494863.09, 3851877.2	4.51E-05	1.42E-08	4.14E-09	5.53E-05	1.75E-08	5.08E-09	4.85E-05	1.53E-08	4.45E-09
3768	495363.09, 3851877.2	4.78E-05	1.51E-08	4.39E-09	5.85E-05	1.85E-08	5.37E-09	5.13E-05	1.62E-08	4.71E-09
3769	495863.09, 3851877.2	4.93E-05	1.55E-08	4.52E-09	6.03E-05	1.90E-08	5.54E-09	5.29E-05	1.67E-08	4.86E-09
3770	496363.09, 3851877.2	4.85E-05	1.53E-08	4.45E-09	5.94E-05	1.87E-08	5.45E-09	5.21E-05	1.64E-08	4.78E-09
3771	496863.09, 3851877.2	4.73E-05	1.49E-08	4.34E-09	5.79E-05	1.83E-08	5.32E-09	5.08E-05	1.60E-08	4.66E-09
3772	497363.09, 3851877.2	4.57E-05	1.44E-08	4.20E-09	5.60E-05	1.77E-08	5.14E-09	4.91E-05	1.55E-08	4.51E-09
3773	497863.09, 3851877.2	4.25E-05	1.34E-08	3.90E-09	5.20E-05	1.64E-08	4.77E-09	4.56E-05	1.44E-08	4.19E-09
3774	498363.09, 3851877.2	3.95E-05	1.25E-08	3.63E-09	4.84E-05	1.53E-08	4.45E-09	4.25E-05	1.34E-08	3.90E-09
3775	471363.09, 3852377.2	1.45E-05	4.58E-09	1.33E-09	1.78E-05	5.62E-09	1.63E-09	1.56E-05	4.92E-09	1.43E-09
3776	471863.09, 3852377.2	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.40E-09	1.86E-09	1.78E-05	5.61E-09	1.63E-09
3777	472363.09, 3852377.2	1.80E-05	5.68E-09	1.65E-09	2.21E-05	6.96E-09	2.03E-09	1.93E-05	6.10E-09	1.77E-09
3778	472863.09, 3852377.2	1.93E-05	6.08E-09	1.77E-09	2.36E-05	7.45E-09	2.17E-09	2.07E-05	6.53E-09	1.90E-09

3779	473363.09, 3852377.2	2.01E-05	6.34E-09	1.85E-09	2.46E-05	7.77E-09	2.26E-09	2.16E-05	6.81E-09	1.98E-09
3780	473863.09, 3852377.2	2.06E-05	6.49E-09	1.89E-09	2.52E-05	7.95E-09	2.31E-09	2.21E-05	6.97E-09	2.03E-09
3781	474363.09, 3852377.2	2.13E-05	6.72E-09	1.96E-09	2.61E-05	8.24E-09	2.40E-09	2.29E-05	7.22E-09	2.10E-09
3782	474863.09, 3852377.2	2.58E-05	8.14E-09	2.37E-09	3.16E-05	9.97E-09	2.90E-09	2.77E-05	8.74E-09	2.54E-09
3783	475363.09, 3852377.2	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.66E-09
3784	475863.09, 3852377.2	2.81E-05	8.85E-09	2.58E-09	3.44E-05	1.08E-08	3.15E-09	3.01E-05	9.51E-09	2.77E-09
3785	476363.09, 3852377.2	2.87E-05	9.05E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.08E-05	9.72E-09	2.83E-09
3786	476863.09, 3852377.2	3.04E-05	9.59E-09	2.79E-09	3.72E-05	1.17E-08	3.42E-09	3.26E-05	1.03E-08	2.99E-09
3787	477363.09, 3852377.2	3.15E-05	9.94E-09	2.89E-09	3.86E-05	1.22E-08	3.54E-09	3.38E-05	1.07E-08	3.11E-09
3788	477863.09, 3852377.2	2.95E-05	9.32E-09	2.71E-09	3.62E-05	1.14E-08	3.32E-09	3.17E-05	1.00E-08	2.91E-09
3789	478363.09, 3852377.2	2.90E-05	9.17E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.84E-09	2.86E-09
3790	478863.09, 3852377.2	3.82E-05	1.20E-08	3.50E-09	4.68E-05	1.48E-08	4.29E-09	4.10E-05	1.29E-08	3.76E-09
3791	479363.09, 3852377.2	4.59E-05	1.45E-08	4.21E-09	5.62E-05	1.77E-08	5.16E-09	4.93E-05	1.56E-08	4.53E-09
3792	479863.09, 3852377.2	5.55E-05	1.75E-08	5.09E-09	6.80E-05	2.15E-08	6.24E-09	5.96E-05	1.88E-08	5.47E-09
3793	480363.09, 3852377.2	6.05E-05	1.91E-08	5.56E-09	7.42E-05	2.34E-08	6.81E-09	6.51E-05	2.05E-08	5.97E-09
3794	480863.09, 3852377.2	6.28E-05	1.98E-08	5.77E-09	7.70E-05	2.43E-08	7.07E-09	6.75E-05	2.13E-08	6.20E-09
3795	481363.09, 3852377.2	7.11E-05	2.24E-08	6.53E-09	8.71E-05	2.75E-08	8.00E-09	7.65E-05	2.41E-08	7.02E-09
3796	481863.09, 3852377.2	8.40E-05	2.65E-08	7.71E-09	1.03E-04	3.25E-08	9.44E-09	9.02E-05	2.85E-08	8.28E-09
3797	482363.09, 3852377.2	8.82E-05	2.79E-08	8.10E-09	1.08E-04	3.41E-08	9.92E-09	9.48E-05	2.99E-08	8.71E-09
3798	482863.09, 3852377.2	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
3799	483363.09, 3852377.2	5.82E-05	1.84E-08	5.34E-09	7.13E-05	2.25E-08	6.54E-09	6.25E-05	1.97E-08	5.74E-09
3800	483863.09, 3852377.2	4.77E-05	1.51E-08	4.38E-09	5.85E-05	1.85E-08	5.37E-09	5.13E-05	1.62E-08	4.71E-09
3801	484363.09, 3852377.2	5.25E-05	1.66E-08	4.82E-09	6.43E-05	2.03E-08	5.90E-09	5.64E-05	1.78E-08	5.18E-09
3802	484863.09, 3852377.2	5.29E-05	1.67E-08	4.86E-09	6.48E-05	2.05E-08	5.95E-09	5.69E-05	1.80E-08	5.22E-09
3803	485363.09, 3852377.2	5.47E-05	1.73E-08	5.02E-09	6.71E-05	2.12E-08	6.16E-09	5.89E-05	1.86E-08	5.40E-09
3804	485863.09, 3852377.2	4.96E-05	1.56E-08	4.55E-09	6.07E-05	1.92E-08	5.57E-09	5.33E-05	1.68E-08	4.89E-09
3805	486363.09, 3852377.2	4.15E-05	1.31E-08	3.81E-09	5.08E-05	1.60E-08	4.67E-09	4.46E-05	1.41E-08	4.09E-09
3806	486863.09, 3852377.2	3.91E-05	1.23E-08	3.59E-09	4.79E-05	1.51E-08	4.40E-09	4.20E-05	1.33E-08	3.86E-09
3807	487363.09, 3852377.2	3.60E-05	1.14E-08	3.30E-09	4.41E-05	1.39E-08	4.05E-09	3.87E-05	1.22E-08	3.55E-09
3808	487863.09, 3852377.2	3.44E-05	1.08E-08	3.16E-09	4.21E-05	1.33E-08	3.87E-09	3.69E-05	1.17E-08	3.39E-09
3809	488363.09, 3852377.2	3.37E-05	1.06E-08	3.09E-09	4.13E-05	1.30E-08	3.79E-09	3.62E-05	1.14E-08	3.32E-09
3810	488863.09, 3852377.2	3.27E-05	1.03E-08	3.00E-09	4.00E-05	1.26E-08	3.68E-09	3.51E-05	1.11E-08	3.22E-09
3811	489363.09, 3852377.2	3.28E-05	1.03E-08	3.01E-09	4.02E-05	1.27E-08	3.69E-09	3.52E-05	1.11E-08	3.23E-09
3812	489863.09, 3852377.2	3.15E-05	9.95E-09	2.89E-09	3.86E-05	1.22E-08	3.55E-09	3.38E-05	1.07E-08	3.11E-09
3813	490363.09, 3852377.2	3.63E-05	1.15E-08	3.33E-09	4.45E-05	1.40E-08	4.08E-09	3.89E-05	1.23E-08	3.58E-09
3814	490863.09, 3852377.2	4.01E-05	1.27E-08	3.68E-09	4.91E-05	1.55E-08	4.51E-09	4.30E-05	1.36E-08	3.95E-09
3815	491363.09, 3852377.2	4.81E-05	1.52E-08	4.42E-09	5.89E-05	1.86E-08	5.41E-09	5.16E-05	1.63E-08	4.74E-09
3816	491863.09, 3852377.2	5.00E-05	1.58E-08	4.59E-09	6.12E-05	1.93E-08	5.62E-09	5.37E-05	1.69E-08	4.93E-09
3817	492363.09, 3852377.2	5.09E-05	1.61E-08	4.68E-09	6.24E-05	1.97E-08	5.73E-09	5.47E-05	1.73E-08	5.02E-09
3818	492863.09, 3852377.2	5.46E-05	1.72E-08	5.01E-09	6.68E-05	2.11E-08	6.14E-09	5.86E-05	1.85E-08	5.38E-09
3819	493363.09, 3852377.2	6.08E-05	1.92E-08	5.58E-09	7.44E-05	2.35E-08	6.83E-09	6.52E-05	2.06E-08	5.99E-09
3820	493863.09, 3852377.2	6.01E-05	1.90E-08	5.51E-09	7.36E-05	2.32E-08	6.75E-09	6.45E-05	2.04E-08	5.92E-09
3821	494363.09, 3852377.2	5.94E-05	1.87E-08	5.45E-09	7.28E-05	2.30E-08	6.68E-09	6.38E-05	2.01E-08	5.86E-09
3822	494863.09, 3852377.2	6.23E-05	1.97E-08	5.72E-09	7.63E-05	2.41E-08	7.01E-09	6.69E-05	2.11E-08	6.14E-09
3823	495363.09, 3852377.2	6.51E-05	2.05E-08	5.98E-09	7.97E-05	2.52E-08	7.32E-09	6.99E-05	2.21E-08	6.42E-09
3824	495863.09, 3852377.2	6.23E-05	1.97E-08	5.72E-09	7.64E-05	2.41E-08	7.01E-09	6.69E-05	2.11E-08	6.15E-09
3825	496363.09, 3852377.2	5.94E-05	1.87E-08	5.45E-09	7.27E-05	2.30E-08	6.68E-09	6.38E-05	2.01E-08	5.85E-09
3826	496863.09, 3852377.2	5.73E-05	1.81E-08	5.26E-09	7.02E-05	2.22E-08	6.45E-09	6.16E-05	1.94E-08	5.65E-09
3827	497363.09, 3852377.2	5.19E-05	1.64E-08	4.77E-09	6.36E-05	2.01E-08	5.84E-09	5.58E-05	1.76E-08	5.12E-09
3828	497863.09, 3852377.2	4.67E-05	1.47E-08	4.29E-09	5.72E-05	1.80E-08	5.25E-09	5.01E-05	1.58E-08	4.60E-09
3829	498363.09, 3852377.2	4.20E-05	1.33E-08	3.86E-09	5.15E-05	1.62E-08	4.72E-09	4.51E-05	1.42E-08	4.14E-09
3830	471363.09, 3852877.2	1.50E-05	4.72E-09	1.37E-09	1.83E-05	5.78E-09	1.68E-09	1.61E-05	5.07E-09	1.47E-09
3831	471863.09, 3852877.2	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.41E-09	1.86E-09	1.78E-05	5.62E-09	1.63E-09
3832	472363.09, 3852877.2	1.83E-05	5.76E-09	1.68E-09	2.24E-05	7.06E-09	2.05E-09	1.96E-05	6.19E-09	1.80E-09
3833	472863.09, 3852877.2	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.67E-09	2.23E-09	2.13E-05	6.72E-09	1.96E-09
3834	473363.09, 3852877.2	2.16E-05	6.83E-09	1.99E-09	2.65E-05	8.36E-09	2.43E-09	2.32E-05	7.33E-09	2.13E-09
3835	473863.09, 3852877.2	2.38E-05	7.50E-09	2.18E-09	2.91E-05	9.18E-09	2.67E-09	2.55E-05	8.05E-09	2.34E-09
3836	474363.09, 3852877.2	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.78E-05	8.79E-09	2.56E-09
3837	474863.09, 3852877.2	2.54E-05	8.02E-09	2.33E-09	3.11E-05	9.82E-09	2.86E-09	2.73E-05	8.61E-09	2.50E-09
3838	475363.09, 3852877.2	2.78E-05	8.79E-09	2.56E-09	3.41E-05	1.08E-08	3.13E-09	2.99E-05	9.43E-09	2.74E-09
3839	475863.09, 3852877.2	2.90E-05	9.16E-09	2.66E-09	3.55E-05	1.12E-08	3.26E-09	3.12E-05	9.84E-09	2.86E-09

3840	476363.09, 3852877.2	2.83E-05	8.93E-09	2.60E-09	3.47E-05	1.09E-08	3.18E-09	3.04E-05	9.59E-09	2.79E-09
3841	476863.09, 3852877.2	2.59E-05	8.17E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.55E-09
3842	477363.09, 3852877.2	2.42E-05	7.64E-09	2.22E-09	2.96E-05	9.36E-09	2.72E-09	2.60E-05	8.20E-09	2.39E-09
3843	477863.09, 3852877.2	2.21E-05	6.99E-09	2.03E-09	2.71E-05	8.56E-09	2.49E-09	2.38E-05	7.50E-09	2.18E-09
3844	478363.09, 3852877.2	1.73E-05	5.46E-09	1.59E-09	2.12E-05	6.69E-09	1.95E-09	1.86E-05	5.86E-09	1.70E-09
3845	478863.09, 3852877.2	2.12E-05	6.69E-09	1.95E-09	2.60E-05	8.20E-09	2.38E-09	2.28E-05	7.18E-09	2.09E-09
3846	479363.09, 3852877.2	3.06E-05	9.66E-09	2.81E-09	3.75E-05	1.18E-08	3.44E-09	3.29E-05	1.04E-08	3.02E-09
3847	479863.09, 3852877.2	5.37E-05	1.70E-08	4.93E-09	6.58E-05	2.08E-08	6.04E-09	5.77E-05	1.82E-08	5.30E-09
3848	480363.09, 3852877.2	7.14E-05	2.25E-08	6.55E-09	8.74E-05	2.76E-08	8.02E-09	7.67E-05	2.42E-08	7.04E-09
3849	480863.09, 3852877.2	7.96E-05	2.51E-08	7.31E-09	9.75E-05	3.08E-08	8.95E-09	8.55E-05	2.70E-08	7.85E-09
3850	481363.09, 3852877.2	8.43E-05	2.66E-08	7.74E-09	1.03E-04	3.26E-08	9.48E-09	9.06E-05	2.86E-08	8.32E-09
3851	481863.09, 3852877.2	9.67E-05	3.05E-08	8.88E-09	1.19E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.55E-09
3852	482363.09, 3852877.2	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.28E-08	1.23E-04	3.88E-08	1.13E-08
3853	482863.09, 3852877.2	1.23E-04	3.87E-08	1.12E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
3854	483363.09, 3852877.2	1.05E-04	3.32E-08	9.65E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
3855	483863.09, 3852877.2	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.58E-09
3856	484363.09, 3852877.2	8.65E-05	2.73E-08	7.94E-09	1.06E-04	3.35E-08	9.73E-09	9.31E-05	2.94E-08	8.54E-09
3857	484863.09, 3852877.2	8.91E-05	2.81E-08	8.18E-09	1.09E-04	3.44E-08	1.00E-08	9.58E-05	3.02E-08	8.80E-09
3858	485363.09, 3852877.2	6.44E-05	2.03E-08	5.92E-09	7.90E-05	2.49E-08	7.25E-09	6.93E-05	2.19E-08	6.37E-09
3859	485863.09, 3852877.2	5.76E-05	1.82E-08	5.29E-09	7.06E-05	2.23E-08	6.48E-09	6.20E-05	1.96E-08	5.69E-09
3860	486363.09, 3852877.2	5.04E-05	1.59E-08	4.63E-09	6.18E-05	1.95E-08	5.67E-09	5.42E-05	1.71E-08	4.98E-09
3861	486863.09, 3852877.2	4.94E-05	1.56E-08	4.53E-09	6.05E-05	1.91E-08	5.56E-09	5.31E-05	1.68E-08	4.87E-09
3862	487363.09, 3852877.2	4.73E-05	1.49E-08	4.34E-09	5.79E-05	1.83E-08	5.32E-09	5.08E-05	1.60E-08	4.66E-09
3863	487863.09, 3852877.2	4.70E-05	1.48E-08	4.32E-09	5.76E-05	1.82E-08	5.29E-09	5.05E-05	1.59E-08	4.64E-09
3864	488363.09, 3852877.2	3.71E-05	1.17E-08	3.40E-09	4.54E-05	1.43E-08	4.17E-09	3.98E-05	1.26E-08	3.65E-09
3865	488863.09, 3852877.2	4.23E-05	1.34E-08	3.89E-09	5.19E-05	1.64E-08	4.76E-09	4.54E-05	1.43E-08	4.17E-09
3866	489363.09, 3852877.2	4.52E-05	1.43E-08	4.15E-09	5.54E-05	1.75E-08	5.08E-09	4.85E-05	1.53E-08	4.45E-09
3867	489863.09, 3852877.2	4.75E-05	1.50E-08	4.36E-09	5.82E-05	1.84E-08	5.34E-09	5.09E-05	1.61E-08	4.68E-09
3868	490363.09, 3852877.2	6.14E-05	1.94E-08	5.63E-09	7.52E-05	2.37E-08	6.90E-09	6.59E-05	2.08E-08	6.05E-09
3869	490863.09, 3852877.2	6.80E-05	2.15E-08	6.25E-09	8.34E-05	2.63E-08	7.65E-09	7.30E-05	2.31E-08	6.71E-09
3870	491363.09, 3852877.2	7.35E-05	2.32E-08	6.75E-09	9.00E-05	2.84E-08	8.26E-09	7.89E-05	2.49E-08	7.24E-09
3871	491863.09, 3852877.2	7.52E-05	2.37E-08	6.90E-09	9.21E-05	2.91E-08	8.46E-09	8.07E-05	2.55E-08	7.41E-09
3872	492363.09, 3852877.2	7.75E-05	2.45E-08	7.12E-09	9.50E-05	3.00E-08	8.72E-09	8.33E-05	2.63E-08	7.64E-09
3873	492863.09, 3852877.2	8.32E-05	2.63E-08	7.64E-09	1.02E-04	3.22E-08	9.35E-09	8.93E-05	2.82E-08	8.20E-09
3874	493363.09, 3852877.2	8.63E-05	2.72E-08	7.92E-09	1.06E-04	3.34E-08	9.70E-09	9.27E-05	2.92E-08	8.51E-09
3875	493863.09, 3852877.2	8.46E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.09E-05	2.87E-08	8.34E-09
3876	494363.09, 3852877.2	8.34E-05	2.63E-08	7.66E-09	1.02E-04	3.23E-08	9.38E-09	8.96E-05	2.83E-08	8.23E-09
3877	494863.09, 3852877.2	8.36E-05	2.64E-08	7.68E-09	1.02E-04	3.23E-08	9.40E-09	8.98E-05	2.83E-08	8.24E-09
3878	495363.09, 3852877.2	7.87E-05	2.49E-08	7.23E-09	9.65E-05	3.04E-08	8.86E-09	8.46E-05	2.67E-08	7.76E-09
3879	495863.09, 3852877.2	7.40E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.32E-09	7.95E-05	2.51E-08	7.30E-09
3880	496363.09, 3852877.2	7.22E-05	2.28E-08	6.63E-09	8.84E-05	2.79E-08	8.12E-09	7.75E-05	2.45E-08	7.12E-09
3881	496863.09, 3852877.2	6.85E-05	2.16E-08	6.29E-09	8.39E-05	2.65E-08	7.71E-09	7.36E-05	2.32E-08	6.76E-09
3882	497363.09, 3852877.2	5.87E-05	1.85E-08	5.39E-09	7.19E-05	2.27E-08	6.60E-09	6.31E-05	1.99E-08	5.79E-09
3883	497863.09, 3852877.2	4.46E-05	1.41E-08	4.10E-09	5.47E-05	1.72E-08	5.02E-09	4.79E-05	1.51E-08	4.40E-09
3884	498363.09, 3852877.2	4.18E-05	1.32E-08	3.84E-09	5.12E-05	1.62E-08	4.70E-09	4.49E-05	1.42E-08	4.12E-09
3885	471363.09, 3853377.2	1.56E-05	4.94E-09	1.44E-09	1.92E-05	6.05E-09	1.76E-09	1.68E-05	5.30E-09	1.54E-09
3886	471863.09, 3853377.2	1.70E-05	5.38E-09	1.56E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
3887	472363.09, 3853377.2	1.85E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.26E-09	1.82E-09
3888	472863.09, 3853377.2	2.00E-05	6.31E-09	1.83E-09	2.45E-05	7.72E-09	2.25E-09	2.15E-05	6.77E-09	1.97E-09
3889	473363.09, 3853377.2	2.13E-05	6.72E-09	1.96E-09	2.61E-05	8.24E-09	2.40E-09	2.29E-05	7.22E-09	2.10E-09
3890	473863.09, 3853377.2	2.29E-05	7.23E-09	2.10E-09	2.80E-05	8.85E-09	2.57E-09	2.46E-05	7.76E-09	2.26E-09
3891	474363.09, 3853377.2	2.45E-05	7.75E-09	2.25E-09	3.01E-05	9.49E-09	2.76E-09	2.64E-05	8.32E-09	2.42E-09
3892	474863.09, 3853377.2	2.50E-05	7.89E-09	2.29E-09	3.06E-05	9.66E-09	2.81E-09	2.68E-05	8.47E-09	2.46E-09
3893	475363.09, 3853377.2	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.79E-09	2.56E-09
3894	475863.09, 3853377.2	2.67E-05	8.44E-09	2.46E-09	3.28E-05	1.03E-08	3.01E-09	2.87E-05	9.06E-09	2.64E-09
3895	476363.09, 3853377.2	2.55E-05	8.06E-09	2.34E-09	3.13E-05	9.87E-09	2.87E-09	2.74E-05	8.65E-09	2.52E-09
3896	476863.09, 3853377.2	2.20E-05	6.94E-09	2.02E-09	2.69E-05	8.50E-09	2.47E-09	2.36E-05	7.45E-09	2.17E-09
3897	477363.09, 3853377.2	2.15E-05	6.80E-09	1.98E-09	2.64E-05	8.32E-09	2.42E-09	2.31E-05	7.30E-09	2.12E-09
3898	477863.09, 3853377.2	2.20E-05	6.94E-09	2.02E-09	2.70E-05	8.51E-09	2.47E-09	2.36E-05	7.46E-09	2.17E-09
3899	478363.09, 3853377.2	1.87E-05	5.89E-09	1.71E-09	2.29E-05	7.21E-09	2.10E-09	2.00E-05	6.33E-09	1.84E-09
3900	478863.09, 3853377.2	1.45E-05	4.56E-09	1.33E-09	1.77E-05	5.59E-09	1.63E-09	1.55E-05	4.90E-09	1.42E-09

3901	479363.09, 3853377.2	2.60E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.79E-09	2.56E-09
3902	479863.09, 3853377.2	4.28E-05	1.35E-08	3.93E-09	5.24E-05	1.65E-08	4.81E-09	4.59E-05	1.45E-08	4.22E-09
3903	480363.09, 3853377.2	7.03E-05	2.22E-08	6.45E-09	8.61E-05	2.72E-08	7.90E-09	7.55E-05	2.38E-08	6.93E-09
3904	480863.09, 3853377.2	7.65E-05	2.42E-08	7.03E-09	9.38E-05	2.96E-08	8.61E-09	8.22E-05	2.60E-08	7.55E-09
3905	481363.09, 3853377.2	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
3906	481863.09, 3853377.2	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.98E-08	1.45E-08	1.38E-04	4.37E-08	1.27E-08
3907	482363.09, 3853377.2	1.65E-04	5.19E-08	1.51E-08	2.02E-04	6.36E-08	1.85E-08	1.77E-04	5.59E-08	1.63E-08
3908	482863.09, 3853377.2	2.02E-04	6.36E-08	1.85E-08	2.47E-04	7.79E-08	2.27E-08	2.17E-04	6.84E-08	1.99E-08
3909	483363.09, 3853377.2	2.12E-04	6.70E-08	1.95E-08	2.60E-04	8.21E-08	2.39E-08	2.28E-04	7.21E-08	2.10E-08
3910	483863.09, 3853377.2	1.93E-04	6.08E-08	1.77E-08	2.36E-04	7.45E-08	2.17E-08	2.07E-04	6.55E-08	1.90E-08
3911	484363.09, 3853377.2	1.81E-04	5.73E-08	1.67E-08	2.22E-04	7.02E-08	2.04E-08	1.95E-04	6.16E-08	1.79E-08
3912	484863.09, 3853377.2	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.70E-08	1.37E-08
3913	485363.09, 3853377.2	8.62E-05	2.72E-08	7.92E-09	1.06E-04	3.33E-08	9.70E-09	9.28E-05	2.93E-08	8.52E-09
3914	485863.09, 3853377.2	6.34E-05	2.00E-08	5.82E-09	7.77E-05	2.45E-08	7.13E-09	6.82E-05	2.15E-08	6.26E-09
3915	486363.09, 3853377.2	6.81E-05	2.15E-08	6.25E-09	8.34E-05	2.63E-08	7.66E-09	7.32E-05	2.31E-08	6.72E-09
3916	486863.09, 3853377.2	7.27E-05	2.29E-08	6.67E-09	8.90E-05	2.81E-08	8.17E-09	7.80E-05	2.46E-08	7.16E-09
3917	487363.09, 3853377.2	8.18E-05	2.58E-08	7.51E-09	1.00E-04	3.16E-08	9.20E-09	8.78E-05	2.77E-08	8.06E-09
3918	487863.09, 3853377.2	8.85E-05	2.79E-08	8.13E-09	1.08E-04	3.42E-08	9.96E-09	9.50E-05	3.00E-08	8.72E-09
3919	488363.09, 3853377.2	9.67E-05	3.05E-08	8.88E-09	1.19E-04	3.74E-08	1.09E-08	1.04E-04	3.28E-08	9.53E-09
3920	488863.09, 3853377.2	9.90E-05	3.13E-08	9.09E-09	1.21E-04	3.83E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
3921	489363.09, 3853377.2	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.07E-04	3.39E-08	9.86E-09
3922	489863.09, 3853377.2	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
3923	490363.09, 3853377.2	1.04E-04	3.29E-08	9.56E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
3924	490863.09, 3853377.2	1.08E-04	3.40E-08	9.89E-09	1.32E-04	4.16E-08	1.21E-08	1.16E-04	3.65E-08	1.06E-08
3925	491363.09, 3853377.2	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
3926	491863.09, 3853377.2	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.33E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
3927	492363.09, 3853377.2	1.16E-04	3.66E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
3928	492863.09, 3853377.2	1.19E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
3929	493363.09, 3853377.2	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.32E-08	1.27E-04	3.99E-08	1.16E-08
3930	493863.09, 3853377.2	1.15E-04	3.63E-08	1.06E-08	1.41E-04	4.45E-08	1.29E-08	1.24E-04	3.90E-08	1.13E-08
3931	494363.09, 3853377.2	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.22E-08	1.17E-04	3.69E-08	1.07E-08
3932	494863.09, 3853377.2	1.02E-04	3.21E-08	9.33E-09	1.24E-04	3.93E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
3933	495363.09, 3853377.2	9.73E-05	3.07E-08	8.94E-09	1.19E-04	3.76E-08	1.09E-08	1.05E-04	3.30E-08	9.60E-09
3934	495863.09, 3853377.2	9.14E-05	2.88E-08	8.39E-09	1.12E-04	3.53E-08	1.03E-08	9.81E-05	3.10E-08	9.01E-09
3935	496363.09, 3853377.2	8.36E-05	2.64E-08	7.68E-09	1.02E-04	3.23E-08	9.40E-09	8.98E-05	2.83E-08	8.24E-09
3936	496863.09, 3853377.2	7.31E-05	2.31E-08	6.71E-09	8.95E-05	2.83E-08	8.22E-09	7.85E-05	2.48E-08	7.21E-09
3937	497363.09, 3853377.2	6.07E-05	1.92E-08	5.58E-09	7.44E-05	2.35E-08	6.83E-09	6.52E-05	2.06E-08	5.99E-09
3938	497863.09, 3853377.2	4.11E-05	1.30E-08	3.77E-09	5.03E-05	1.59E-08	4.62E-09	4.41E-05	1.39E-08	4.05E-09
3939	498363.09, 3853377.2	3.26E-05	1.03E-08	2.99E-09	3.99E-05	1.26E-08	3.66E-09	3.50E-05	1.10E-08	3.21E-09
3940	471363.09, 3853877.2	1.58E-05	5.00E-09	1.45E-09	1.94E-05	6.12E-09	1.78E-09	1.70E-05	5.37E-09	1.56E-09
3941	471863.09, 3853877.2	1.74E-05	5.50E-09	1.60E-09	2.14E-05	6.74E-09	1.96E-09	1.87E-05	5.91E-09	1.72E-09
3942	472363.09, 3853877.2	1.85E-05	5.85E-09	1.70E-09	2.27E-05	7.17E-09	2.09E-09	1.99E-05	6.29E-09	1.83E-09
3943	472863.09, 3853877.2	2.00E-05	6.32E-09	1.84E-09	2.45E-05	7.74E-09	2.25E-09	2.15E-05	6.79E-09	1.97E-09
3944	473363.09, 3853877.2	2.11E-05	6.66E-09	1.94E-09	2.59E-05	8.16E-09	2.37E-09	2.27E-05	7.16E-09	2.08E-09
3945	473863.09, 3853877.2	2.23E-05	7.05E-09	2.05E-09	2.74E-05	8.64E-09	2.51E-09	2.40E-05	7.57E-09	2.20E-09
3946	474363.09, 3853877.2	2.40E-05	7.57E-09	2.20E-09	2.94E-05	9.27E-09	2.70E-09	2.58E-05	8.13E-09	2.37E-09
3947	474863.09, 3853877.2	2.55E-05	8.05E-09	2.34E-09	3.12E-05	9.85E-09	2.87E-09	2.74E-05	8.64E-09	2.51E-09
3948	475363.09, 3853877.2	2.54E-05	8.01E-09	2.33E-09	3.11E-05	9.81E-09	2.85E-09	2.73E-05	8.60E-09	2.50E-09
3949	475863.09, 3853877.2	2.24E-05	7.08E-09	2.06E-09	2.75E-05	8.67E-09	2.52E-09	2.41E-05	7.60E-09	2.21E-09
3950	476363.09, 3853877.2	1.91E-05	6.02E-09	1.75E-09	2.34E-05	7.37E-09	2.14E-09	2.05E-05	6.46E-09	1.88E-09
3951	476863.09, 3853877.2	1.50E-05	4.74E-09	1.38E-09	1.84E-05	5.81E-09	1.69E-09	1.61E-05	5.09E-09	1.48E-09
3952	477363.09, 3853877.2	1.67E-05	5.27E-09	1.53E-09	2.05E-05	6.46E-09	1.88E-09	1.79E-05	5.66E-09	1.65E-09
3953	477863.09, 3853877.2	1.97E-05	6.20E-09	1.80E-09	2.41E-05	7.60E-09	2.21E-09	2.11E-05	6.66E-09	1.94E-09
3954	478363.09, 3853877.2	2.11E-05	6.66E-09	1.94E-09	2.58E-05	8.16E-09	2.37E-09	2.27E-05	7.15E-09	2.08E-09
3955	478863.09, 3853877.2	1.49E-05	4.69E-09	1.36E-09	1.82E-05	5.75E-09	1.67E-09	1.60E-05	5.04E-09	1.47E-09
3956	479363.09, 3853877.2	2.09E-05	6.61E-09	1.92E-09	2.56E-05	8.09E-09	2.35E-09	2.25E-05	7.10E-09	2.06E-09
3957	479863.09, 3853877.2	4.23E-05	1.34E-08	3.88E-09	5.18E-05	1.64E-08	4.76E-09	4.54E-05	1.43E-08	4.17E-09
3958	480363.09, 3853877.2	6.46E-05	2.04E-08	5.93E-09	7.91E-05	2.50E-08	7.26E-09	6.93E-05	2.19E-08	6.36E-09
3959	480863.09, 3853877.2	1.01E-04	3.17E-08	9.23E-09	1.23E-04	3.89E-08	1.13E-08	1.08E-04	3.41E-08	9.92E-09
3960	481363.09, 3853877.2	1.32E-04	4.15E-08	1.21E-08	1.61E-04	5.09E-08	1.48E-08	1.41E-04	4.46E-08	1.30E-08
3961	481863.09, 3853877.2	1.67E-04	5.26E-08	1.53E-08	2.04E-04	6.44E-08	1.87E-08	1.79E-04	5.66E-08	1.65E-08

3962	482363.09, 3853877.2	2.53E-04	7.99E-08	2.32E-08	3.10E-04	9.79E-08	2.85E-08	2.73E-04	8.60E-08	2.50E-08
3963	482863.09, 3853877.2	1.22E-03	3.84E-07	1.12E-07	1.49E-03	4.71E-07	1.37E-07	1.31E-03	4.15E-07	1.21E-07
3964	483363.09, 3853877.2	7.27E-04	2.29E-07	6.67E-08	8.91E-04	2.81E-07	8.18E-08	7.84E-04	2.47E-07	7.20E-08
3965	483863.09, 3853877.2	4.78E-04	1.51E-07	4.39E-08	5.86E-04	1.85E-07	5.38E-08	5.15E-04	1.63E-07	4.73E-08
3966	484363.09, 3853877.2	3.23E-04	1.02E-07	2.96E-08	3.96E-04	1.25E-07	3.63E-08	3.48E-04	1.10E-07	3.19E-08
3967	484863.09, 3853877.2	2.04E-04	6.45E-08	1.88E-08	2.50E-04	7.90E-08	2.30E-08	2.20E-04	6.94E-08	2.02E-08
3968	485363.09, 3853877.2	1.23E-04	3.88E-08	1.13E-08	1.50E-04	4.75E-08	1.38E-08	1.32E-04	4.17E-08	1.21E-08
3969	485863.09, 3853877.2	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.81E-08	1.40E-08
3970	486363.09, 3853877.2	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.62E-08	1.63E-08	1.56E-04	4.92E-08	1.43E-08
3971	486863.09, 3853877.2	1.43E-04	4.51E-08	1.31E-08	1.75E-04	5.53E-08	1.61E-08	1.53E-04	4.84E-08	1.41E-08
3972	487363.09, 3853877.2	1.54E-04	4.85E-08	1.41E-08	1.88E-04	5.94E-08	1.73E-08	1.65E-04	5.20E-08	1.51E-08
3973	487863.09, 3853877.2	1.75E-04	5.54E-08	1.61E-08	2.15E-04	6.78E-08	1.97E-08	1.88E-04	5.94E-08	1.73E-08
3974	488363.09, 3853877.2	1.81E-04	5.73E-08	1.67E-08	2.22E-04	7.01E-08	2.04E-08	1.95E-04	6.14E-08	1.79E-08
3975	488863.09, 3853877.2	1.91E-04	6.02E-08	1.75E-08	2.34E-04	7.38E-08	2.15E-08	2.05E-04	6.46E-08	1.88E-08
3976	489363.09, 3853877.2	1.77E-04	5.60E-08	1.63E-08	2.17E-04	6.86E-08	1.99E-08	1.90E-04	6.01E-08	1.75E-08
3977	489863.09, 3853877.2	1.77E-04	5.59E-08	1.63E-08	2.17E-04	6.85E-08	1.99E-08	1.90E-04	6.00E-08	1.75E-08
3978	490363.09, 3853877.2	1.71E-04	5.39E-08	1.57E-08	2.09E-04	6.60E-08	1.92E-08	1.83E-04	5.78E-08	1.68E-08
3979	490863.09, 3853877.2	1.68E-04	5.30E-08	1.54E-08	2.06E-04	6.49E-08	1.89E-08	1.80E-04	5.69E-08	1.66E-08
3980	491363.09, 3853877.2	1.66E-04	5.23E-08	1.52E-08	2.03E-04	6.41E-08	1.86E-08	1.78E-04	5.62E-08	1.64E-08
3981	491863.09, 3853877.2	1.63E-04	5.15E-08	1.50E-08	2.00E-04	6.30E-08	1.83E-08	1.75E-04	5.53E-08	1.61E-08
3982	492363.09, 3853877.2	1.65E-04	5.20E-08	1.51E-08	2.02E-04	6.37E-08	1.85E-08	1.77E-04	5.59E-08	1.63E-08
3983	492863.09, 3853877.2	1.63E-04	5.13E-08	1.49E-08	1.99E-04	6.29E-08	1.83E-08	1.75E-04	5.51E-08	1.60E-08
3984	493363.09, 3853877.2	1.55E-04	4.90E-08	1.43E-08	1.90E-04	6.01E-08	1.75E-08	1.67E-04	5.27E-08	1.53E-08
3985	493863.09, 3853877.2	1.46E-04	4.62E-08	1.34E-08	1.79E-04	5.66E-08	1.65E-08	1.57E-04	4.97E-08	1.44E-08
3986	494363.09, 3853877.2	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.49E-04	4.72E-08	1.37E-08
3987	494863.09, 3853877.2	1.29E-04	4.08E-08	1.19E-08	1.58E-04	5.00E-08	1.45E-08	1.39E-04	4.38E-08	1.27E-08
3988	495363.09, 3853877.2	1.12E-04	3.52E-08	1.02E-08	1.37E-04	4.31E-08	1.25E-08	1.20E-04	3.78E-08	1.10E-08
3989	495863.09, 3853877.2	9.77E-05	3.08E-08	8.97E-09	1.20E-04	3.78E-08	1.10E-08	1.05E-04	3.31E-08	9.63E-09
3990	496363.09, 3853877.2	8.87E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.97E-09	9.52E-05	3.01E-08	8.74E-09
3991	496863.09, 3853877.2	7.45E-05	2.35E-08	6.84E-09	9.12E-05	2.88E-08	8.37E-09	8.00E-05	2.52E-08	7.34E-09
3992	497363.09, 3853877.2	6.34E-05	2.00E-08	5.82E-09	7.76E-05	2.45E-08	7.13E-09	6.81E-05	2.15E-08	6.25E-09
3993	497863.09, 3853877.2	4.99E-05	1.57E-08	4.58E-09	6.11E-05	1.93E-08	5.61E-09	5.35E-05	1.69E-08	4.92E-09
3994	498363.09, 3853877.2	4.23E-05	1.34E-08	3.89E-09	5.19E-05	1.64E-08	4.76E-09	4.55E-05	1.44E-08	4.17E-09
3995	471363.09, 3854377.2	1.63E-05	5.13E-09	1.49E-09	1.99E-05	6.28E-09	1.83E-09	1.74E-05	5.51E-09	1.60E-09
3996	471863.09, 3854377.2	1.78E-05	5.63E-09	1.64E-09	2.18E-05	6.89E-09	2.00E-09	1.91E-05	6.04E-09	1.76E-09
3997	472363.09, 3854377.2	1.91E-05	6.02E-09	1.75E-09	2.34E-05	7.37E-09	2.14E-09	2.05E-05	6.46E-09	1.88E-09
3998	472863.09, 3854377.2	2.01E-05	6.36E-09	1.85E-09	2.47E-05	7.79E-09	2.27E-09	2.16E-05	6.82E-09	1.98E-09
3999	473363.09, 3854377.2	2.16E-05	6.82E-09	1.98E-09	2.65E-05	8.35E-09	2.43E-09	2.32E-05	7.32E-09	2.13E-09
4000	473863.09, 3854377.2	2.34E-05	7.38E-09	2.15E-09	2.87E-05	9.04E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
4001	474363.09, 3854377.2	2.52E-05	7.96E-09	2.32E-09	3.09E-05	9.75E-09	2.84E-09	2.71E-05	8.55E-09	2.49E-09
4002	474863.09, 3854377.2	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.69E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
4003	475363.09, 3854377.2	2.25E-05	7.12E-09	2.07E-09	2.76E-05	8.72E-09	2.54E-09	2.42E-05	7.64E-09	2.22E-09
4004	475863.09, 3854377.2	1.58E-05	4.98E-09	1.45E-09	1.93E-05	6.10E-09	1.77E-09	1.69E-05	5.35E-09	1.56E-09
4005	476363.09, 3854377.2	1.42E-05	4.49E-09	1.31E-09	1.74E-05	5.50E-09	1.60E-09	1.53E-05	4.82E-09	1.40E-09
4006	476863.09, 3854377.2	1.38E-05	4.36E-09	1.27E-09	1.69E-05	5.34E-09	1.55E-09	1.48E-05	4.68E-09	1.36E-09
4007	477363.09, 3854377.2	1.38E-05	4.37E-09	1.27E-09	1.70E-05	5.35E-09	1.56E-09	1.49E-05	4.69E-09	1.36E-09
4008	477863.09, 3854377.2	1.43E-05	4.52E-09	1.32E-09	1.75E-05	5.54E-09	1.61E-09	1.54E-05	4.86E-09	1.41E-09
4009	478363.09, 3854377.2	1.72E-05	5.41E-09	1.57E-09	2.10E-05	6.63E-09	1.93E-09	1.84E-05	5.81E-09	1.69E-09
4010	478863.09, 3854377.2	1.91E-05	6.02E-09	1.75E-09	2.34E-05	7.38E-09	2.15E-09	2.05E-05	6.47E-09	1.88E-09
4011	479363.09, 3854377.2	3.10E-05	9.80E-09	2.85E-09	3.80E-05	1.20E-08	3.49E-09	3.33E-05	1.05E-08	3.06E-09
4012	479863.09, 3854377.2	4.24E-05	1.34E-08	3.89E-09	5.19E-05	1.64E-08	4.76E-09	4.55E-05	1.44E-08	4.18E-09
4013	480363.09, 3854377.2	6.31E-05	1.99E-08	5.80E-09	7.74E-05	2.44E-08	7.10E-09	6.78E-05	2.14E-08	6.23E-09
4014	480863.09, 3854377.2	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.95E-09
4015	481363.09, 3854377.2	1.46E-04	4.60E-08	1.34E-08	1.79E-04	5.64E-08	1.64E-08	1.57E-04	4.94E-08	1.44E-08
4016	481863.09, 3854377.2	1.95E-04	6.16E-08	1.79E-08	2.39E-04	7.54E-08	2.19E-08	2.10E-04	6.62E-08	1.92E-08
4017	482363.09, 3854377.2	2.76E-04	8.70E-08	2.53E-08	3.38E-04	1.07E-07	3.10E-08	2.96E-04	9.36E-08	2.72E-08
4018	482863.09, 3854377.2	5.76E-04	1.82E-07	5.29E-08	7.06E-04	2.23E-07	6.48E-08	6.21E-04	1.96E-07	5.70E-08
4019	483363.09, 3854377.2	1.67E-03	5.27E-07	1.53E-07	2.05E-03	6.46E-07	1.88E-07	1.80E-03	5.69E-07	1.65E-07
4020	483863.09, 3854377.2	8.48E-04	2.68E-07	7.79E-08	1.04E-03	3.28E-07	9.54E-08	9.13E-04	2.88E-07	8.38E-08
4021	484363.09, 3854377.2	5.06E-04	1.60E-07	4.64E-08	6.20E-04	1.96E-07	5.69E-08	5.44E-04	1.72E-07	5.00E-08
4022	484863.09, 3854377.2	3.18E-04	1.00E-07	2.92E-08	3.90E-04	1.23E-07	3.58E-08	3.42E-04	1.08E-07	3.14E-08

4023	485363.09, 3854377.2	4.21E-04	1.33E-07	3.86E-08	5.16E-04	1.63E-07	4.73E-08	4.51E-04	1.42E-07	4.14E-08
4024	485863.09, 3854377.2	3.37E-04	1.06E-07	3.09E-08	4.13E-04	1.30E-07	3.79E-08	3.61E-04	1.14E-07	3.31E-08
4025	486363.09, 3854377.2	3.53E-04	1.11E-07	3.24E-08	4.32E-04	1.36E-07	3.97E-08	3.78E-04	1.19E-07	3.47E-08
4026	486863.09, 3854377.2	3.17E-04	1.00E-07	2.91E-08	3.89E-04	1.23E-07	3.57E-08	3.40E-04	1.07E-07	3.12E-08
4027	487363.09, 3854377.2	3.17E-04	1.00E-07	2.91E-08	3.89E-04	1.23E-07	3.57E-08	3.40E-04	1.07E-07	3.12E-08
4028	487863.09, 3854377.2	3.26E-04	1.03E-07	3.00E-08	4.00E-04	1.26E-07	3.67E-08	3.50E-04	1.10E-07	3.21E-08
4029	488363.09, 3854377.2	3.20E-04	1.01E-07	2.94E-08	3.92E-04	1.24E-07	3.60E-08	3.43E-04	1.08E-07	3.15E-08
4030	488863.09, 3854377.2	3.10E-04	9.78E-08	2.84E-08	3.79E-04	1.20E-07	3.48E-08	3.32E-04	1.05E-07	3.05E-08
4031	489363.09, 3854377.2	2.96E-04	9.33E-08	2.71E-08	3.62E-04	1.14E-07	3.32E-08	3.17E-04	1.00E-07	2.91E-08
4032	489863.09, 3854377.2	2.79E-04	8.80E-08	2.56E-08	3.42E-04	1.08E-07	3.14E-08	3.00E-04	9.45E-08	2.75E-08
4033	490363.09, 3854377.2	2.61E-04	8.23E-08	2.39E-08	3.19E-04	1.01E-07	2.93E-08	2.80E-04	8.84E-08	2.57E-08
4034	490863.09, 3854377.2	2.13E-04	6.73E-08	1.96E-08	2.61E-04	8.25E-08	2.40E-08	2.29E-04	7.23E-08	2.10E-08
4035	491363.09, 3854377.2	2.24E-04	7.06E-08	2.05E-08	2.74E-04	8.65E-08	2.52E-08	2.40E-04	7.58E-08	2.21E-08
4036	491863.09, 3854377.2	2.27E-04	7.15E-08	2.08E-08	2.78E-04	8.76E-08	2.55E-08	2.43E-04	7.68E-08	2.23E-08
4037	492363.09, 3854377.2	2.20E-04	6.96E-08	2.02E-08	2.70E-04	8.52E-08	2.48E-08	2.37E-04	7.47E-08	2.17E-08
4038	492863.09, 3854377.2	2.09E-04	6.58E-08	1.91E-08	2.55E-04	8.06E-08	2.35E-08	2.24E-04	7.07E-08	2.06E-08
4039	493363.09, 3854377.2	1.94E-04	6.13E-08	1.78E-08	2.38E-04	7.51E-08	2.18E-08	2.09E-04	6.59E-08	1.92E-08
4040	493863.09, 3854377.2	1.80E-04	5.68E-08	1.65E-08	2.21E-04	6.96E-08	2.03E-08	1.93E-04	6.11E-08	1.78E-08
4041	494363.09, 3854377.2	1.67E-04	5.28E-08	1.53E-08	2.05E-04	6.46E-08	1.88E-08	1.80E-04	5.67E-08	1.65E-08
4042	494863.09, 3854377.2	1.37E-04	4.32E-08	1.26E-08	1.68E-04	5.30E-08	1.54E-08	1.47E-04	4.65E-08	1.35E-08
4043	495363.09, 3854377.2	1.08E-04	3.41E-08	9.92E-09	1.32E-04	4.18E-08	1.21E-08	1.16E-04	3.66E-08	1.07E-08
4044	495863.09, 3854377.2	8.98E-05	2.83E-08	8.24E-09	1.10E-04	3.47E-08	1.01E-08	9.64E-05	3.04E-08	8.85E-09
4045	496363.09, 3854377.2	8.09E-05	2.55E-08	7.42E-09	9.90E-05	3.13E-08	9.09E-09	8.68E-05	2.74E-08	7.97E-09
4046	496863.09, 3854377.2	7.01E-05	2.21E-08	6.43E-09	8.58E-05	2.71E-08	7.88E-09	7.53E-05	2.38E-08	6.91E-09
4047	497363.09, 3854377.2	5.51E-05	1.74E-08	5.06E-09	6.75E-05	2.13E-08	6.20E-09	5.92E-05	1.87E-08	5.44E-09
4048	497863.09, 3854377.2	5.60E-05	1.77E-08	5.14E-09	6.86E-05	2.16E-08	6.30E-09	6.01E-05	1.90E-08	5.52E-09
4049	498363.09, 3854377.2	4.81E-05	1.52E-08	4.41E-09	5.89E-05	1.86E-08	5.40E-09	5.16E-05	1.63E-08	4.74E-09
4050	471363.09, 3854877.2	1.66E-05	5.25E-09	1.53E-09	2.04E-05	6.43E-09	1.87E-09	1.78E-05	5.63E-09	1.64E-09
4051	471863.09, 3854877.2	1.79E-05	5.65E-09	1.64E-09	2.19E-05	6.92E-09	2.01E-09	1.92E-05	6.07E-09	1.76E-09
4052	472363.09, 3854877.2	1.91E-05	6.03E-09	1.75E-09	2.34E-05	7.39E-09	2.15E-09	2.05E-05	6.48E-09	1.88E-09
4053	472863.09, 3854877.2	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.67E-09	2.23E-09	2.13E-05	6.73E-09	1.96E-09
4054	473363.09, 3854877.2	2.17E-05	6.85E-09	1.99E-09	2.66E-05	8.39E-09	2.44E-09	2.33E-05	7.36E-09	2.14E-09
4055	473863.09, 3854877.2	2.36E-05	7.44E-09	2.16E-09	2.89E-05	9.11E-09	2.65E-09	2.53E-05	7.98E-09	2.32E-09
4056	474363.09, 3854877.2	2.60E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.79E-09	2.56E-09
4057	474863.09, 3854877.2	2.32E-05	7.33E-09	2.13E-09	2.85E-05	8.98E-09	2.61E-09	2.49E-05	7.87E-09	2.29E-09
4058	475363.09, 3854877.2	1.87E-05	5.92E-09	1.72E-09	2.30E-05	7.25E-09	2.11E-09	2.01E-05	6.35E-09	1.85E-09
4059	475863.09, 3854877.2	1.41E-05	4.45E-09	1.29E-09	1.73E-05	5.45E-09	1.59E-09	1.51E-05	4.78E-09	1.39E-09
4060	476363.09, 3854877.2	9.02E-06	2.85E-09	8.28E-10	1.11E-05	3.49E-09	1.01E-09	9.69E-06	3.06E-09	8.89E-10
4061	476863.09, 3854877.2	9.02E-06	2.85E-09	8.28E-10	1.10E-05	3.49E-09	1.01E-09	9.69E-06	3.06E-09	8.89E-10
4062	477363.09, 3854877.2	1.11E-05	3.52E-09	1.02E-09	1.37E-05	4.31E-09	1.25E-09	1.20E-05	3.78E-09	1.10E-09
4063	477863.09, 3854877.2	1.33E-05	4.20E-09	1.22E-09	1.63E-05	5.15E-09	1.50E-09	1.43E-05	4.51E-09	1.31E-09
4064	478363.09, 3854877.2	1.85E-05	5.84E-09	1.70E-09	2.27E-05	7.15E-09	2.08E-09	1.99E-05	6.27E-09	1.82E-09
4065	478863.09, 3854877.2	2.76E-05	8.70E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.96E-05	9.34E-09	2.72E-09
4066	479363.09, 3854877.2	4.16E-05	1.31E-08	3.82E-09	5.09E-05	1.61E-08	4.67E-09	4.46E-05	1.41E-08	4.10E-09
4067	479863.09, 3854877.2	6.10E-05	1.92E-08	5.60E-09	7.47E-05	2.36E-08	6.86E-09	6.55E-05	2.07E-08	6.01E-09
4068	480363.09, 3854877.2	8.16E-05	2.58E-08	7.49E-09	1.00E-04	3.16E-08	9.18E-09	8.77E-05	2.77E-08	8.05E-09
4069	480863.09, 3854877.2	1.17E-04	3.71E-08	1.08E-08	1.44E-04	4.54E-08	1.32E-08	1.26E-04	3.98E-08	1.16E-08
4070	481363.09, 3854877.2	1.52E-04	4.81E-08	1.40E-08	1.87E-04	5.90E-08	1.71E-08	1.64E-04	5.17E-08	1.50E-08
4071	481863.09, 3854877.2	1.80E-04	5.69E-08	1.65E-08	2.21E-04	6.97E-08	2.03E-08	1.93E-04	6.10E-08	1.78E-08
4072	482363.09, 3854877.2	2.64E-04	8.34E-08	2.43E-08	3.24E-04	1.02E-07	2.97E-08	2.84E-04	8.96E-08	2.60E-08
4073	482863.09, 3854877.2	3.96E-04	1.25E-07	3.64E-08	4.85E-04	1.53E-07	4.46E-08	4.25E-04	1.34E-07	3.91E-08
4074	483363.09, 3854877.2	6.76E-04	2.13E-07	6.21E-08	8.29E-04	2.62E-07	7.61E-08	7.26E-04	2.29E-07	6.66E-08
4075	483863.09, 3854877.2	2.25E-03	7.09E-07	2.06E-07	2.75E-03	8.69E-07	2.53E-07	2.40E-03	7.58E-07	2.21E-07
4076	484363.09, 3854877.2	8.75E-03	2.76E-06	8.03E-07	1.07E-02	3.38E-06	9.84E-07	9.35E-03	2.95E-06	8.59E-07
4077	484863.09, 3854877.2	3.58E-03	1.13E-06	3.28E-07	4.38E-03	1.38E-06	4.02E-07	3.82E-03	1.21E-06	3.51E-07
4078	485363.09, 3854877.2	1.74E-03	5.51E-07	1.60E-07	2.14E-03	6.75E-07	1.96E-07	1.86E-03	5.88E-07	1.71E-07
4079	485863.09, 3854877.2	1.12E-03	3.52E-07	1.02E-07	1.37E-03	4.31E-07	1.25E-07	1.19E-03	3.77E-07	1.10E-07
4080	486363.09, 3854877.2	8.08E-04	2.55E-07	7.42E-08	9.90E-04	3.13E-07	9.09E-08	8.66E-04	2.73E-07	7.95E-08
4081	486863.09, 3854877.2	6.46E-04	2.04E-07	5.93E-08	7.92E-04	2.50E-07	7.27E-08	6.93E-04	2.19E-07	6.36E-08
4082	487363.09, 3854877.2	5.88E-04	1.86E-07	5.40E-08	7.21E-04	2.28E-07	6.62E-08	6.31E-04	1.99E-07	5.80E-08
4083	487863.09, 3854877.2	5.41E-04	1.71E-07	4.97E-08	6.63E-04	2.09E-07	6.09E-08	5.81E-04	1.83E-07	5.33E-08

4084	488363.09, 3854877.2	5.02E-04	1.58E-07	4.61E-08	6.15E-04	1.94E-07	5.65E-08	5.39E-04	1.70E-07	4.95E-08
4085	488863.09, 3854877.2	4.71E-04	1.49E-07	4.32E-08	5.77E-04	1.82E-07	5.29E-08	5.06E-04	1.60E-07	4.64E-08
4086	489363.09, 3854877.2	4.33E-04	1.37E-07	3.97E-08	5.30E-04	1.67E-07	4.87E-08	4.65E-04	1.47E-07	4.27E-08
4087	489863.09, 3854877.2	3.86E-04	1.22E-07	3.55E-08	4.73E-04	1.49E-07	4.35E-08	4.15E-04	1.31E-07	3.81E-08
4088	490363.09, 3854877.2	2.94E-04	9.27E-08	2.70E-08	3.60E-04	1.14E-07	3.30E-08	3.16E-04	9.97E-08	2.90E-08
4089	490863.09, 3854877.2	2.06E-04	6.50E-08	1.89E-08	2.52E-04	7.96E-08	2.31E-08	2.21E-04	6.98E-08	2.03E-08
4090	491363.09, 3854877.2	2.16E-04	6.83E-08	1.99E-08	2.65E-04	8.36E-08	2.43E-08	2.32E-04	7.34E-08	2.13E-08
4091	491863.09, 3854877.2	2.87E-04	9.07E-08	2.64E-08	3.52E-04	1.11E-07	3.23E-08	3.09E-04	9.75E-08	2.83E-08
4092	492363.09, 3854877.2	2.74E-04	8.64E-08	2.51E-08	3.35E-04	1.06E-07	3.08E-08	2.94E-04	9.28E-08	2.70E-08
4093	492863.09, 3854877.2	2.53E-04	7.98E-08	2.32E-08	3.10E-04	9.77E-08	2.84E-08	2.72E-04	8.57E-08	2.49E-08
4094	493363.09, 3854877.2	2.30E-04	7.27E-08	2.12E-08	2.82E-04	8.91E-08	2.59E-08	2.48E-04	7.81E-08	2.27E-08
4095	493863.09, 3854877.2	2.12E-04	6.68E-08	1.94E-08	2.59E-04	8.18E-08	2.38E-08	2.27E-04	7.17E-08	2.09E-08
4096	494363.09, 3854877.2	1.65E-04	5.21E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.77E-04	5.60E-08	1.63E-08
4097	494863.09, 3854877.2	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
4098	495363.09, 3854877.2	9.44E-05	2.98E-08	8.67E-09	1.16E-04	3.65E-08	1.06E-08	1.01E-04	3.20E-08	9.31E-09
4099	495863.09, 3854877.2	8.05E-05	2.54E-08	7.39E-09	9.86E-05	3.11E-08	9.05E-09	8.65E-05	2.73E-08	7.94E-09
4100	496363.09, 3854877.2	6.42E-05	2.03E-08	5.90E-09	7.87E-05	2.48E-08	7.22E-09	6.90E-05	2.18E-08	6.33E-09
4101	496863.09, 3854877.2	5.48E-05	1.73E-08	5.03E-09	6.71E-05	2.12E-08	6.16E-09	5.88E-05	1.86E-08	5.40E-09
4102	497363.09, 3854877.2	5.13E-05	1.62E-08	4.71E-09	6.29E-05	1.98E-08	5.77E-09	5.51E-05	1.74E-08	5.06E-09
4103	497863.09, 3854877.2	5.51E-05	1.74E-08	5.06E-09	6.75E-05	2.13E-08	6.20E-09	5.92E-05	1.87E-08	5.43E-09
4104	498363.09, 3854877.2	5.27E-05	1.66E-08	4.84E-09	6.46E-05	2.04E-08	5.93E-09	5.66E-05	1.79E-08	5.20E-09
4105	471363.09, 3855377.2	1.66E-05	5.25E-09	1.53E-09	2.04E-05	6.43E-09	1.87E-09	1.79E-05	5.64E-09	1.64E-09
4106	471863.09, 3855377.2	1.75E-05	5.52E-09	1.61E-09	2.14E-05	6.76E-09	1.97E-09	1.88E-05	5.93E-09	1.72E-09
4107	472363.09, 3855377.2	1.89E-05	5.98E-09	1.74E-09	2.32E-05	7.32E-09	2.13E-09	2.04E-05	6.42E-09	1.87E-09
4108	472863.09, 3855377.2	1.99E-05	6.29E-09	1.83E-09	2.44E-05	7.70E-09	2.24E-09	2.14E-05	6.76E-09	1.97E-09
4109	473363.09, 3855377.2	2.19E-05	6.91E-09	2.01E-09	2.68E-05	8.47E-09	2.46E-09	2.35E-05	7.43E-09	2.16E-09
4110	473863.09, 3855377.2	2.38E-05	7.50E-09	2.18E-09	2.91E-05	9.18E-09	2.67E-09	2.55E-05	8.05E-09	2.34E-09
4111	474363.09, 3855377.2	2.56E-05	8.09E-09	2.35E-09	3.14E-05	9.90E-09	2.88E-09	2.75E-05	8.69E-09	2.53E-09
4112	474863.09, 3855377.2	2.33E-05	7.35E-09	2.14E-09	2.85E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
4113	475363.09, 3855377.2	1.19E-05	3.76E-09	1.09E-09	1.46E-05	4.61E-09	1.34E-09	1.28E-05	4.04E-09	1.17E-09
4114	475863.09, 3855377.2	8.94E-06	2.82E-09	8.21E-10	1.10E-05	3.46E-09	1.01E-09	9.60E-06	3.03E-09	8.82E-10
4115	476363.09, 3855377.2	1.07E-05	3.38E-09	9.84E-10	1.31E-05	4.14E-09	1.21E-09	1.15E-05	3.63E-09	1.06E-09
4116	476863.09, 3855377.2	1.05E-05	3.33E-09	9.68E-10	1.29E-05	4.08E-09	1.19E-09	1.13E-05	3.57E-09	1.04E-09
4117	477363.09, 3855377.2	1.19E-05	3.76E-09	1.09E-09	1.46E-05	4.61E-09	1.34E-09	1.28E-05	4.04E-09	1.17E-09
4118	477863.09, 3855377.2	1.60E-05	5.06E-09	1.47E-09	1.96E-05	6.20E-09	1.80E-09	1.72E-05	5.44E-09	1.58E-09
4119	478363.09, 3855377.2	2.14E-05	6.77E-09	1.97E-09	2.63E-05	8.29E-09	2.41E-09	2.30E-05	7.27E-09	2.11E-09
4120	478863.09, 3855377.2	2.81E-05	8.86E-09	2.58E-09	3.44E-05	1.09E-08	3.16E-09	3.02E-05	9.52E-09	2.77E-09
4121	479363.09, 3855377.2	3.98E-05	1.26E-08	3.66E-09	4.88E-05	1.54E-08	4.48E-09	4.28E-05	1.35E-08	3.93E-09
4122	479863.09, 3855377.2	5.41E-05	1.71E-08	4.97E-09	6.63E-05	2.09E-08	6.09E-09	5.81E-05	1.84E-08	5.34E-09
4123	480363.09, 3855377.2	8.37E-05	2.64E-08	7.68E-09	1.02E-04	3.23E-08	9.41E-09	8.99E-05	2.84E-08	8.25E-09
4124	480863.09, 3855377.2	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
4125	481363.09, 3855377.2	1.65E-04	5.22E-08	1.52E-08	2.03E-04	6.39E-08	1.86E-08	1.78E-04	5.60E-08	1.63E-08
4126	481863.09, 3855377.2	2.04E-04	6.43E-08	1.87E-08	2.50E-04	7.88E-08	2.29E-08	2.19E-04	6.91E-08	2.01E-08
4127	482363.09, 3855377.2	2.46E-04	7.78E-08	2.26E-08	3.02E-04	9.53E-08	2.77E-08	2.65E-04	8.35E-08	2.43E-08
4128	482863.09, 3855377.2	3.33E-04	1.05E-07	3.06E-08	4.08E-04	1.29E-07	3.75E-08	3.58E-04	1.13E-07	3.28E-08
4129	483363.09, 3855377.2	4.77E-04	1.51E-07	4.38E-08	5.84E-04	1.84E-07	5.36E-08	5.11E-04	1.61E-07	4.69E-08
4130	483863.09, 3855377.2	8.05E-04	2.54E-07	7.39E-08	9.86E-04	3.11E-07	9.05E-08	8.61E-04	2.72E-07	7.91E-08
4131	484363.09, 3855377.2	1.97E-03	6.22E-07	1.81E-07	2.41E-03	7.62E-07	2.22E-07	2.11E-03	6.66E-07	1.94E-07
4132	484863.09, 3855377.2	6.24E-03	1.97E-06	5.73E-07	7.64E-03	2.41E-06	7.01E-07	6.72E-03	2.12E-06	6.17E-07
4133	485363.09, 3855377.2	4.94E-03	1.56E-06	4.53E-07	6.05E-03	1.91E-06	5.55E-07	5.32E-03	1.68E-06	4.88E-07
4134	485863.09, 3855377.2	2.37E-03	7.48E-07	2.18E-07	2.90E-03	9.16E-07	2.67E-07	2.55E-03	8.05E-07	2.34E-07
4135	486363.09, 3855377.2	1.50E-03	4.73E-07	1.38E-07	1.84E-03	5.80E-07	1.69E-07	1.61E-03	5.09E-07	1.48E-07
4136	486863.09, 3855377.2	1.08E-03	3.39E-07	9.87E-08	1.32E-03	4.16E-07	1.21E-07	1.16E-03	3.65E-07	1.06E-07
4137	487363.09, 3855377.2	9.28E-04	2.93E-07	8.52E-08	1.14E-03	3.59E-07	1.04E-07	9.98E-04	3.15E-07	9.16E-08
4138	487863.09, 3855377.2	8.13E-04	2.57E-07	7.46E-08	9.96E-04	3.14E-07	9.14E-08	8.75E-04	2.76E-07	8.03E-08
4139	488363.09, 3855377.2	7.22E-04	2.28E-07	6.63E-08	8.84E-04	2.79E-07	8.12E-08	7.76E-04	2.45E-07	7.13E-08
4140	488863.09, 3855377.2	6.45E-04	2.03E-07	5.92E-08	7.89E-04	2.49E-07	7.25E-08	6.93E-04	2.19E-07	6.37E-08
4141	489363.09, 3855377.2	5.76E-04	1.82E-07	5.28E-08	7.05E-04	2.22E-07	6.47E-08	6.19E-04	1.95E-07	5.68E-08
4142	489863.09, 3855377.2	5.11E-04	1.61E-07	4.69E-08	6.26E-04	1.97E-07	5.74E-08	5.49E-04	1.73E-07	5.04E-08
4143	490363.09, 3855377.2	4.67E-04	1.48E-07	4.29E-08	5.73E-04	1.81E-07	5.26E-08	5.03E-04	1.59E-07	4.61E-08
4144	490863.09, 3855377.2	3.19E-04	1.01E-07	2.93E-08	3.91E-04	1.23E-07	3.59E-08	3.43E-04	1.08E-07	3.15E-08

4145	491363.09, 3855377.2	2.64E-04	8.34E-08	2.43E-08	3.24E-04	1.02E-07	2.97E-08	2.84E-04	8.96E-08	2.61E-08
4146	491863.09, 3855377.2	3.45E-04	1.09E-07	3.17E-08	4.23E-04	1.33E-07	3.88E-08	3.71E-04	1.17E-07	3.41E-08
4147	492363.09, 3855377.2	3.21E-04	1.01E-07	2.95E-08	3.93E-04	1.24E-07	3.61E-08	3.45E-04	1.09E-07	3.17E-08
4148	492863.09, 3855377.2	2.92E-04	9.21E-08	2.68E-08	3.57E-04	1.13E-07	3.28E-08	3.14E-04	9.89E-08	2.88E-08
4149	493363.09, 3855377.2	2.55E-04	8.05E-08	2.34E-08	3.12E-04	9.86E-08	2.87E-08	2.74E-04	8.65E-08	2.52E-08
4150	493863.09, 3855377.2	1.99E-04	6.29E-08	1.83E-08	2.44E-04	7.71E-08	2.24E-08	2.14E-04	6.76E-08	1.97E-08
4151	494363.09, 3855377.2	1.46E-04	4.59E-08	1.34E-08	1.78E-04	5.63E-08	1.64E-08	1.56E-04	4.93E-08	1.44E-08
4152	494863.09, 3855377.2	1.04E-04	3.30E-08	9.59E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
4153	495363.09, 3855377.2	7.97E-05	2.52E-08	7.32E-09	9.76E-05	3.08E-08	8.96E-09	8.56E-05	2.70E-08	7.86E-09
4154	495863.09, 3855377.2	6.45E-05	2.04E-08	5.92E-09	7.90E-05	2.49E-08	7.25E-09	6.93E-05	2.19E-08	6.36E-09
4155	496363.09, 3855377.2	6.01E-05	1.90E-08	5.52E-09	7.36E-05	2.32E-08	6.75E-09	6.45E-05	2.04E-08	5.92E-09
4156	496863.09, 3855377.2	5.67E-05	1.79E-08	5.21E-09	6.95E-05	2.19E-08	6.38E-09	6.09E-05	1.92E-08	5.59E-09
4157	497363.09, 3855377.2	5.58E-05	1.76E-08	5.12E-09	6.84E-05	2.16E-08	6.27E-09	5.99E-05	1.89E-08	5.50E-09
4158	497863.09, 3855377.2	5.72E-05	1.80E-08	5.25E-09	7.00E-05	2.21E-08	6.43E-09	6.14E-05	1.94E-08	5.63E-09
4159	498363.09, 3855377.2	5.94E-05	1.87E-08	5.45E-09	7.27E-05	2.29E-08	6.67E-09	6.37E-05	2.01E-08	5.85E-09
4160	471363.09, 3855877.2	1.70E-05	5.38E-09	1.56E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
4161	471863.09, 3855877.2	1.80E-05	5.67E-09	1.65E-09	2.20E-05	6.95E-09	2.02E-09	1.93E-05	6.09E-09	1.77E-09
4162	472363.09, 3855877.2	1.97E-05	6.22E-09	1.81E-09	2.41E-05	7.62E-09	2.22E-09	2.12E-05	6.68E-09	1.94E-09
4163	472863.09, 3855877.2	2.05E-05	6.47E-09	1.88E-09	2.51E-05	7.93E-09	2.31E-09	2.20E-05	6.95E-09	2.02E-09
4164	473363.09, 3855877.2	2.28E-05	7.21E-09	2.10E-09	2.80E-05	8.83E-09	2.57E-09	2.45E-05	7.74E-09	2.25E-09
4165	473863.09, 3855877.2	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.61E-09	2.80E-09	2.67E-05	8.43E-09	2.45E-09
4166	474363.09, 3855877.2	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.85E-05	9.01E-09	2.62E-09
4167	474863.09, 3855877.2	2.30E-05	7.24E-09	2.11E-09	2.81E-05	8.87E-09	2.58E-09	2.46E-05	7.78E-09	2.26E-09
4168	475363.09, 3855877.2	1.51E-05	4.78E-09	1.39E-09	1.85E-05	5.85E-09	1.70E-09	1.63E-05	5.13E-09	1.49E-09
4169	475863.09, 3855877.2	6.58E-06	2.08E-09	6.04E-10	8.05E-06	2.54E-09	7.39E-10	7.06E-06	2.23E-09	6.48E-10
4170	476363.09, 3855877.2	7.11E-06	2.24E-09	6.53E-10	8.71E-06	2.75E-09	7.99E-10	7.63E-06	2.41E-09	7.01E-10
4171	476863.09, 3855877.2	1.09E-05	3.45E-09	1.00E-09	1.34E-05	4.22E-09	1.23E-09	1.17E-05	3.70E-09	1.08E-09
4172	477363.09, 3855877.2	1.36E-05	4.28E-09	1.25E-09	1.66E-05	5.25E-09	1.53E-09	1.46E-05	4.60E-09	1.34E-09
4173	477863.09, 3855877.2	1.71E-05	5.40E-09	1.57E-09	2.10E-05	6.62E-09	1.93E-09	1.84E-05	5.80E-09	1.69E-09
4174	478363.09, 3855877.2	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.74E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
4175	478863.09, 3855877.2	3.10E-05	9.77E-09	2.84E-09	3.79E-05	1.20E-08	3.48E-09	3.33E-05	1.05E-08	3.05E-09
4176	479363.09, 3855877.2	4.42E-05	1.40E-08	4.06E-09	5.42E-05	1.71E-08	4.97E-09	4.75E-05	1.50E-08	4.36E-09
4177	479863.09, 3855877.2	6.04E-05	1.91E-08	5.55E-09	7.40E-05	2.34E-08	6.79E-09	6.49E-05	2.05E-08	5.96E-09
4178	480363.09, 3855877.2	8.56E-05	2.70E-08	7.86E-09	1.05E-04	3.31E-08	9.63E-09	9.19E-05	2.90E-08	8.44E-09
4179	480863.09, 3855877.2	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
4180	481363.09, 3855877.2	1.43E-04	4.52E-08	1.32E-08	1.76E-04	5.54E-08	1.61E-08	1.54E-04	4.86E-08	1.41E-08
4181	481863.09, 3855877.2	1.99E-04	6.27E-08	1.82E-08	2.43E-04	7.67E-08	2.23E-08	2.13E-04	6.73E-08	1.96E-08
4182	482363.09, 3855877.2	2.28E-04	7.21E-08	2.10E-08	2.80E-04	8.83E-08	2.57E-08	2.45E-04	7.74E-08	2.25E-08
4183	482863.09, 3855877.2	2.89E-04	9.12E-08	2.65E-08	3.54E-04	1.12E-07	3.25E-08	3.10E-04	9.79E-08	2.85E-08
4184	483363.09, 3855877.2	3.78E-04	1.19E-07	3.47E-08	4.63E-04	1.46E-07	4.25E-08	4.06E-04	1.28E-07	3.72E-08
4185	483863.09, 3855877.2	5.24E-04	1.65E-07	4.81E-08	6.42E-04	2.03E-07	5.89E-08	5.63E-04	1.78E-07	5.16E-08
4186	484363.09, 3855877.2	8.14E-04	2.57E-07	7.47E-08	9.97E-04	3.15E-07	9.15E-08	8.75E-04	2.76E-07	8.04E-08
4187	484863.09, 3855877.2	1.66E-03	5.23E-07	1.52E-07	2.03E-03	6.40E-07	1.86E-07	1.78E-03	5.63E-07	1.64E-07
4188	485363.09, 3855877.2	7.07E-03	2.23E-06	6.49E-07	8.66E-03	2.73E-06	7.95E-07	7.64E-03	2.41E-06	7.01E-07
4189	485863.09, 3855877.2	6.24E-03	1.97E-06	5.73E-07	7.64E-03	2.41E-06	7.01E-07	6.73E-03	2.12E-06	6.18E-07
4190	486363.09, 3855877.2	2.54E-03	8.00E-07	2.33E-07	3.11E-03	9.80E-07	2.85E-07	2.73E-03	8.63E-07	2.51E-07
4191	486863.09, 3855877.2	1.69E-03	5.35E-07	1.56E-07	2.08E-03	6.55E-07	1.91E-07	1.83E-03	5.76E-07	1.68E-07
4192	487363.09, 3855877.2	1.37E-03	4.33E-07	1.26E-07	1.68E-03	5.31E-07	1.54E-07	1.48E-03	4.67E-07	1.36E-07
4193	487863.09, 3855877.2	1.14E-03	3.61E-07	1.05E-07	1.40E-03	4.42E-07	1.29E-07	1.23E-03	3.89E-07	1.13E-07
4194	488363.09, 3855877.2	9.66E-04	3.05E-07	8.87E-08	1.18E-03	3.73E-07	1.09E-07	1.04E-03	3.28E-07	9.55E-08
4195	488863.09, 3855877.2	8.29E-04	2.62E-07	7.61E-08	1.02E-03	3.21E-07	9.33E-08	8.93E-04	2.82E-07	8.20E-08
4196	489363.09, 3855877.2	7.20E-04	2.27E-07	6.61E-08	8.82E-04	2.78E-07	8.10E-08	7.75E-04	2.45E-07	7.11E-08
4197	489863.09, 3855877.2	6.32E-04	1.99E-07	5.80E-08	7.74E-04	2.44E-07	7.11E-08	6.80E-04	2.14E-07	6.24E-08
4198	490363.09, 3855877.2	5.60E-04	1.77E-07	5.14E-08	6.86E-04	2.17E-07	6.30E-08	6.02E-04	1.90E-07	5.53E-08
4199	490863.09, 3855877.2	4.97E-04	1.57E-07	4.56E-08	6.08E-04	1.92E-07	5.59E-08	5.34E-04	1.68E-07	4.90E-08
4200	491363.09, 3855877.2	4.24E-04	1.34E-07	3.89E-08	5.19E-04	1.64E-07	4.76E-08	4.55E-04	1.44E-07	4.18E-08
4201	491863.09, 3855877.2	4.01E-04	1.26E-07	3.68E-08	4.91E-04	1.55E-07	4.50E-08	4.30E-04	1.36E-07	3.95E-08
4202	492363.09, 3855877.2	3.58E-04	1.13E-07	3.28E-08	4.38E-04	1.38E-07	4.02E-08	3.84E-04	1.21E-07	3.53E-08
4203	492863.09, 3855877.2	3.21E-04	1.01E-07	2.94E-08	3.93E-04	1.24E-07	3.61E-08	3.44E-04	1.09E-07	3.16E-08
4204	493363.09, 3855877.2	2.53E-04	7.97E-08	2.32E-08	3.09E-04	9.77E-08	2.84E-08	2.71E-04	8.56E-08	2.49E-08
4205	493863.09, 3855877.2	1.78E-04	5.60E-08	1.63E-08	2.18E-04	6.86E-08	2.00E-08	1.91E-04	6.02E-08	1.75E-08

4206	494363.09, 3855877.2	1.23E-04	3.87E-08	1.12E-08	1.50E-04	4.74E-08	1.38E-08	1.32E-04	4.15E-08	1.21E-08
4207	494863.09, 3855877.2	9.06E-05	2.86E-08	8.31E-09	1.11E-04	3.50E-08	1.02E-08	9.73E-05	3.07E-08	8.93E-09
4208	495363.09, 3855877.2	6.41E-05	2.02E-08	5.89E-09	7.85E-05	2.48E-08	7.21E-09	6.89E-05	2.17E-08	6.32E-09
4209	495863.09, 3855877.2	6.03E-05	1.90E-08	5.54E-09	7.39E-05	2.33E-08	6.79E-09	6.48E-05	2.04E-08	5.95E-09
4210	496363.09, 3855877.2	5.79E-05	1.83E-08	5.31E-09	7.09E-05	2.24E-08	6.51E-09	6.21E-05	1.96E-08	5.71E-09
4211	496863.09, 3855877.2	5.82E-05	1.84E-08	5.34E-09	7.12E-05	2.25E-08	6.54E-09	6.24E-05	1.97E-08	5.73E-09
4212	497363.09, 3855877.2	5.90E-05	1.86E-08	5.42E-09	7.22E-05	2.28E-08	6.63E-09	6.33E-05	2.00E-08	5.81E-09
4213	497863.09, 3855877.2	6.11E-05	1.93E-08	5.61E-09	7.48E-05	2.36E-08	6.87E-09	6.56E-05	2.07E-08	6.02E-09
4214	498363.09, 3855877.2	6.80E-05	2.15E-08	6.24E-09	8.32E-05	2.63E-08	7.64E-09	7.30E-05	2.30E-08	6.70E-09
4215	471363.09, 3856377.2	1.77E-05	5.58E-09	1.62E-09	2.17E-05	6.84E-09	1.99E-09	1.90E-05	5.99E-09	1.74E-09
4216	471863.09, 3856377.2	1.86E-05	5.86E-09	1.70E-09	2.27E-05	7.17E-09	2.09E-09	1.99E-05	6.29E-09	1.83E-09
4217	472363.09, 3856377.2	2.00E-05	6.30E-09	1.83E-09	2.44E-05	7.71E-09	2.24E-09	2.14E-05	6.76E-09	1.97E-09
4218	472863.09, 3856377.2	2.17E-05	6.84E-09	1.99E-09	2.65E-05	8.38E-09	2.44E-09	2.33E-05	7.34E-09	2.14E-09
4219	473363.09, 3856377.2	2.33E-05	7.35E-09	2.14E-09	2.85E-05	9.00E-09	2.62E-09	2.50E-05	7.89E-09	2.29E-09
4220	473863.09, 3856377.2	2.58E-05	8.14E-09	2.37E-09	3.16E-05	9.97E-09	2.90E-09	2.77E-05	8.74E-09	2.54E-09
4221	474363.09, 3856377.2	2.63E-05	8.30E-09	2.41E-09	3.22E-05	1.02E-08	2.96E-09	2.82E-05	8.91E-09	2.59E-09
4222	474863.09, 3856377.2	2.59E-05	8.16E-09	2.37E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.77E-09	2.55E-09
4223	475363.09, 3856377.2	2.18E-05	6.88E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
4224	475863.09, 3856377.2	1.51E-05	4.76E-09	1.39E-09	1.85E-05	5.83E-09	1.70E-09	1.62E-05	5.12E-09	1.49E-09
4225	476363.09, 3856377.2	1.42E-05	4.48E-09	1.30E-09	1.74E-05	5.48E-09	1.59E-09	1.52E-05	4.81E-09	1.40E-09
4226	476863.09, 3856377.2	1.46E-05	4.62E-09	1.34E-09	1.79E-05	5.66E-09	1.65E-09	1.57E-05	4.96E-09	1.44E-09
4227	477363.09, 3856377.2	1.59E-05	5.03E-09	1.46E-09	1.95E-05	6.16E-09	1.79E-09	1.71E-05	5.40E-09	1.57E-09
4228	477863.09, 3856377.2	1.28E-05	4.05E-09	1.18E-09	1.57E-05	4.96E-09	1.44E-09	1.38E-05	4.35E-09	1.27E-09
4229	478363.09, 3856377.2	1.16E-05	3.66E-09	1.06E-09	1.42E-05	4.48E-09	1.30E-09	1.25E-05	3.93E-09	1.14E-09
4230	478863.09, 3856377.2	2.43E-05	7.67E-09	2.23E-09	2.98E-05	9.39E-09	2.73E-09	2.61E-05	8.24E-09	2.40E-09
4231	479363.09, 3856377.2	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.29E-09
4232	479863.09, 3856377.2	5.96E-05	1.88E-08	5.48E-09	7.31E-05	2.31E-08	6.71E-09	6.41E-05	2.02E-08	5.88E-09
4233	480363.09, 3856377.2	9.08E-05	2.86E-08	8.33E-09	1.11E-04	3.51E-08	1.02E-08	9.74E-05	3.07E-08	8.94E-09
4234	480863.09, 3856377.2	1.20E-04	3.77E-08	1.10E-08	1.46E-04	4.62E-08	1.34E-08	1.28E-04	4.05E-08	1.18E-08
4235	481363.09, 3856377.2	1.52E-04	4.81E-08	1.40E-08	1.87E-04	5.89E-08	1.71E-08	1.63E-04	5.16E-08	1.50E-08
4236	481863.09, 3856377.2	1.82E-04	5.74E-08	1.67E-08	2.23E-04	7.03E-08	2.04E-08	1.95E-04	6.16E-08	1.79E-08
4237	482363.09, 3856377.2	2.04E-04	6.44E-08	1.87E-08	2.50E-04	7.89E-08	2.30E-08	2.19E-04	6.92E-08	2.01E-08
4238	482863.09, 3856377.2	2.49E-04	7.87E-08	2.29E-08	3.06E-04	9.64E-08	2.81E-08	2.68E-04	8.46E-08	2.46E-08
4239	483363.09, 3856377.2	3.12E-04	9.84E-08	2.86E-08	3.82E-04	1.21E-07	3.51E-08	3.35E-04	1.06E-07	3.07E-08
4240	483863.09, 3856377.2	4.01E-04	1.26E-07	3.68E-08	4.91E-04	1.55E-07	4.50E-08	4.31E-04	1.36E-07	3.95E-08
4241	484363.09, 3856377.2	5.25E-04	1.66E-07	4.82E-08	6.42E-04	2.03E-07	5.90E-08	5.64E-04	1.78E-07	5.18E-08
4242	484863.09, 3856377.2	7.54E-04	2.38E-07	6.92E-08	9.23E-04	2.91E-07	8.47E-08	8.12E-04	2.56E-07	7.45E-08
4243	485363.09, 3856377.2	1.38E-03	4.37E-07	1.27E-07	1.69E-03	5.35E-07	1.56E-07	1.49E-03	4.71E-07	1.37E-07
4244	485863.09, 3856377.2	5.25E-03	1.66E-06	4.82E-07	6.43E-03	2.03E-06	5.91E-07	5.67E-03	1.79E-06	5.20E-07
4245	486363.09, 3856377.2	6.64E-03	2.10E-06	6.10E-07	8.14E-03	2.57E-06	7.47E-07	7.17E-03	2.26E-06	6.58E-07
4246	486863.09, 3856377.2	3.07E-03	9.70E-07	2.82E-07	3.77E-03	1.19E-06	3.46E-07	3.32E-03	1.05E-06	3.05E-07
4247	487363.09, 3856377.2	2.04E-03	6.45E-07	1.88E-07	2.50E-03	7.90E-07	2.30E-07	2.20E-03	6.96E-07	2.02E-07
4248	487863.09, 3856377.2	1.54E-03	4.85E-07	1.41E-07	1.88E-03	5.93E-07	1.73E-07	1.65E-03	5.22E-07	1.52E-07
4249	488363.09, 3856377.2	1.22E-03	3.84E-07	1.12E-07	1.49E-03	4.70E-07	1.37E-07	1.31E-03	4.14E-07	1.20E-07
4250	488863.09, 3856377.2	1.00E-03	3.16E-07	9.18E-08	1.22E-03	3.86E-07	1.12E-07	1.08E-03	3.39E-07	9.87E-08
4251	489363.09, 3856377.2	8.42E-04	2.66E-07	7.73E-08	1.03E-03	3.25E-07	9.47E-08	9.05E-04	2.86E-07	8.31E-08
4252	489863.09, 3856377.2	7.22E-04	2.28E-07	6.63E-08	8.85E-04	2.79E-07	8.12E-08	7.76E-04	2.45E-07	7.12E-08
4253	490363.09, 3856377.2	6.27E-04	1.98E-07	5.76E-08	7.68E-04	2.42E-07	7.05E-08	6.73E-04	2.13E-07	6.18E-08
4254	490863.09, 3856377.2	5.51E-04	1.74E-07	5.05E-08	6.74E-04	2.13E-07	6.19E-08	5.91E-04	1.87E-07	5.42E-08
4255	491363.09, 3856377.2	4.87E-04	1.54E-07	4.47E-08	5.97E-04	1.88E-07	5.48E-08	5.23E-04	1.65E-07	4.80E-08
4256	491863.09, 3856377.2	4.33E-04	1.37E-07	3.97E-08	5.30E-04	1.67E-07	4.87E-08	4.64E-04	1.47E-07	4.26E-08
4257	492363.09, 3856377.2	3.81E-04	1.20E-07	3.50E-08	4.66E-04	1.47E-07	4.28E-08	4.09E-04	1.29E-07	3.75E-08
4258	492863.09, 3856377.2	3.14E-04	9.91E-08	2.88E-08	3.85E-04	1.21E-07	3.53E-08	3.37E-04	1.06E-07	3.10E-08
4259	493363.09, 3856377.2	2.03E-04	6.40E-08	1.86E-08	2.48E-04	7.84E-08	2.28E-08	2.18E-04	6.87E-08	2.00E-08
4260	493863.09, 3856377.2	1.53E-04	4.83E-08	1.40E-08	1.87E-04	5.91E-08	1.72E-08	1.64E-04	5.18E-08	1.51E-08
4261	494363.09, 3856377.2	1.08E-04	3.41E-08	9.92E-09	1.32E-04	4.18E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
4262	494863.09, 3856377.2	7.92E-05	2.50E-08	7.27E-09	9.70E-05	3.06E-08	8.91E-09	8.50E-05	2.68E-08	7.81E-09
4263	495363.09, 3856377.2	6.31E-05	1.99E-08	5.79E-09	7.73E-05	2.44E-08	7.10E-09	6.78E-05	2.14E-08	6.22E-09
4264	495863.09, 3856377.2	5.90E-05	1.86E-08	5.41E-09	7.22E-05	2.28E-08	6.63E-09	6.33E-05	2.00E-08	5.81E-09
4265	496363.09, 3856377.2	5.77E-05	1.82E-08	5.30E-09	7.07E-05	2.23E-08	6.49E-09	6.20E-05	1.96E-08	5.69E-09
4266	496863.09, 3856377.2	6.06E-05	1.91E-08	5.56E-09	7.42E-05	2.34E-08	6.81E-09	6.51E-05	2.05E-08	5.97E-09

4267	497363.09, 3856377.2	6.29E-05	1.99E-08	5.77E-09	7.70E-05	2.43E-08	7.07E-09	6.75E-05	2.13E-08	6.20E-09
4268	497863.09, 3856377.2	6.77E-05	2.14E-08	6.21E-09	8.29E-05	2.62E-08	7.61E-09	7.27E-05	2.29E-08	6.67E-09
4269	498363.09, 3856377.2	7.43E-05	2.35E-08	6.82E-09	9.10E-05	2.87E-08	8.36E-09	7.98E-05	2.52E-08	7.33E-09
4270	471363.09, 3856877.2	1.81E-05	5.72E-09	1.66E-09	2.22E-05	7.00E-09	2.04E-09	1.94E-05	6.14E-09	1.78E-09
4271	471863.09, 3856877.2	1.88E-05	5.94E-09	1.73E-09	2.30E-05	7.27E-09	2.12E-09	2.02E-05	6.37E-09	1.85E-09
4272	472363.09, 3856877.2	2.01E-05	6.36E-09	1.85E-09	2.47E-05	7.79E-09	2.27E-09	2.16E-05	6.83E-09	1.99E-09
4273	472863.09, 3856877.2	2.16E-05	6.81E-09	1.98E-09	2.64E-05	8.34E-09	2.43E-09	2.32E-05	7.31E-09	2.13E-09
4274	473363.09, 3856877.2	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.25E-09	2.69E-09	2.57E-05	8.11E-09	2.36E-09
4275	473863.09, 3856877.2	2.56E-05	8.09E-09	2.35E-09	3.14E-05	9.92E-09	2.88E-09	2.75E-05	8.69E-09	2.53E-09
4276	474363.09, 3856877.2	2.59E-05	8.18E-09	2.38E-09	3.18E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.56E-09
4277	474863.09, 3856877.2	2.52E-05	7.96E-09	2.32E-09	3.09E-05	9.75E-09	2.84E-09	2.71E-05	8.55E-09	2.49E-09
4278	475363.09, 3856877.2	2.23E-05	7.05E-09	2.05E-09	2.74E-05	8.64E-09	2.51E-09	2.40E-05	7.57E-09	2.20E-09
4279	475863.09, 3856877.2	2.27E-05	7.18E-09	2.09E-09	2.79E-05	8.79E-09	2.56E-09	2.44E-05	7.71E-09	2.24E-09
4280	476363.09, 3856877.2	2.01E-05	6.33E-09	1.84E-09	2.46E-05	7.76E-09	2.26E-09	2.15E-05	6.80E-09	1.98E-09
4281	476863.09, 3856877.2	1.95E-05	6.16E-09	1.79E-09	2.39E-05	7.55E-09	2.20E-09	2.10E-05	6.62E-09	1.93E-09
4282	477363.09, 3856877.2	1.74E-05	5.48E-09	1.59E-09	2.13E-05	6.71E-09	1.95E-09	1.86E-05	5.89E-09	1.71E-09
4283	477863.09, 3856877.2	1.17E-05	3.70E-09	1.08E-09	1.44E-05	4.53E-09	1.32E-09	1.26E-05	3.97E-09	1.16E-09
4284	478363.09, 3856877.2	1.04E-05	3.29E-09	9.58E-10	1.28E-05	4.03E-09	1.17E-09	1.12E-05	3.54E-09	1.03E-09
4285	478863.09, 3856877.2	1.36E-05	4.31E-09	1.25E-09	1.67E-05	5.27E-09	1.53E-09	1.47E-05	4.62E-09	1.35E-09
4286	479363.09, 3856877.2	1.90E-05	6.00E-09	1.75E-09	2.33E-05	7.35E-09	2.14E-09	2.04E-05	6.45E-09	1.87E-09
4287	479863.09, 3856877.2	5.44E-05	1.72E-08	5.00E-09	6.67E-05	2.10E-08	6.12E-09	5.85E-05	1.85E-08	5.37E-09
4288	480363.09, 3856877.2	8.81E-05	2.78E-08	8.09E-09	1.08E-04	3.41E-08	9.91E-09	9.46E-05	2.99E-08	8.68E-09
4289	480863.09, 3856877.2	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.14E-08
4290	481363.09, 3856877.2	1.40E-04	4.43E-08	1.29E-08	1.72E-04	5.43E-08	1.58E-08	1.51E-04	4.76E-08	1.38E-08
4291	481863.09, 3856877.2	1.65E-04	5.19E-08	1.51E-08	2.02E-04	6.36E-08	1.85E-08	1.77E-04	5.58E-08	1.62E-08
4292	482363.09, 3856877.2	1.83E-04	5.79E-08	1.68E-08	2.25E-04	7.09E-08	2.06E-08	1.97E-04	6.22E-08	1.81E-08
4293	482863.09, 3856877.2	2.15E-04	6.80E-08	1.98E-08	2.64E-04	8.33E-08	2.42E-08	2.31E-04	7.30E-08	2.12E-08
4294	483363.09, 3856877.2	2.59E-04	8.19E-08	2.38E-08	3.18E-04	1.00E-07	2.92E-08	2.79E-04	8.80E-08	2.56E-08
4295	483863.09, 3856877.2	3.18E-04	1.00E-07	2.92E-08	3.89E-04	1.23E-07	3.57E-08	3.41E-04	1.08E-07	3.13E-08
4296	484363.09, 3856877.2	3.96E-04	1.25E-07	3.63E-08	4.84E-04	1.53E-07	4.45E-08	4.26E-04	1.34E-07	3.91E-08
4297	484863.09, 3856877.2	5.05E-04	1.60E-07	4.64E-08	6.19E-04	1.95E-07	5.68E-08	5.44E-04	1.72E-07	4.99E-08
4298	485363.09, 3856877.2	7.14E-04	2.25E-07	6.55E-08	8.74E-04	2.76E-07	8.02E-08	7.68E-04	2.42E-07	7.05E-08
4299	485863.09, 3856877.2	1.19E-03	3.75E-07	1.09E-07	1.45E-03	4.59E-07	1.33E-07	1.28E-03	4.03E-07	1.17E-07
4300	486363.09, 3856877.2	5.40E-03	1.71E-06	4.96E-07	6.62E-03	2.09E-06	6.08E-07	5.83E-03	1.84E-06	5.35E-07
4301	486863.09, 3856877.2	8.01E-03	2.53E-06	7.35E-07	9.80E-03	3.09E-06	9.00E-07	8.64E-03	2.73E-06	7.93E-07
4302	487363.09, 3856877.2	3.21E-03	1.01E-06	2.94E-07	3.93E-03	1.24E-06	3.61E-07	3.45E-03	1.09E-06	3.17E-07
4303	487863.09, 3856877.2	1.95E-03	6.15E-07	1.79E-07	2.39E-03	7.54E-07	2.19E-07	2.09E-03	6.61E-07	1.92E-07
4304	488363.09, 3856877.2	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.52E-07	1.61E-07	1.53E-03	4.83E-07	1.40E-07
4305	488863.09, 3856877.2	1.13E-03	3.55E-07	1.03E-07	1.38E-03	4.35E-07	1.27E-07	1.21E-03	3.80E-07	1.11E-07
4306	489363.09, 3856877.2	9.20E-04	2.90E-07	8.45E-08	1.13E-03	3.56E-07	1.03E-07	9.85E-04	3.11E-07	9.05E-08
4307	489863.09, 3856877.2	7.72E-04	2.44E-07	7.08E-08	9.45E-04	2.98E-07	8.68E-08	8.27E-04	2.61E-07	7.59E-08
4308	490363.09, 3856877.2	6.59E-04	2.08E-07	6.05E-08	8.07E-04	2.55E-07	7.41E-08	7.06E-04	2.23E-07	6.48E-08
4309	490863.09, 3856877.2	5.70E-04	1.80E-07	5.23E-08	6.98E-04	2.20E-07	6.41E-08	6.11E-04	1.93E-07	5.61E-08
4310	491363.09, 3856877.2	4.99E-04	1.58E-07	4.58E-08	6.11E-04	1.93E-07	5.61E-08	5.35E-04	1.69E-07	4.91E-08
4311	491863.09, 3856877.2	4.40E-04	1.39E-07	4.04E-08	5.39E-04	1.70E-07	4.95E-08	4.72E-04	1.49E-07	4.34E-08
4312	492363.09, 3856877.2	3.64E-04	1.15E-07	3.34E-08	4.45E-04	1.41E-07	4.09E-08	3.90E-04	1.23E-07	3.58E-08
4313	492863.09, 3856877.2	2.86E-04	9.02E-08	2.62E-08	3.50E-04	1.10E-07	3.21E-08	3.06E-04	9.67E-08	2.81E-08
4314	493363.09, 3856877.2	2.04E-04	6.45E-08	1.88E-08	2.50E-04	7.90E-08	2.30E-08	2.19E-04	6.92E-08	2.01E-08
4315	493863.09, 3856877.2	1.35E-04	4.26E-08	1.24E-08	1.65E-04	5.22E-08	1.52E-08	1.45E-04	4.58E-08	1.33E-08
4316	494363.09, 3856877.2	9.39E-05	2.96E-08	8.62E-09	1.15E-04	3.63E-08	1.06E-08	1.01E-04	3.18E-08	9.25E-09
4317	494863.09, 3856877.2	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.58E-09
4318	495363.09, 3856877.2	6.76E-05	2.13E-08	6.21E-09	8.28E-05	2.61E-08	7.60E-09	7.26E-05	2.29E-08	6.66E-09
4319	495863.09, 3856877.2	6.45E-05	2.03E-08	5.92E-09	7.90E-05	2.49E-08	7.25E-09	6.92E-05	2.18E-08	6.35E-09
4320	496363.09, 3856877.2	6.26E-05	1.98E-08	5.75E-09	7.67E-05	2.42E-08	7.04E-09	6.72E-05	2.12E-08	6.17E-09
4321	496863.09, 3856877.2	6.32E-05	2.00E-08	5.81E-09	7.75E-05	2.44E-08	7.11E-09	6.79E-05	2.14E-08	6.23E-09
4322	497363.09, 3856877.2	6.61E-05	2.09E-08	6.07E-09	8.10E-05	2.56E-08	7.44E-09	7.10E-05	2.24E-08	6.52E-09
4323	497863.09, 3856877.2	7.41E-05	2.34E-08	6.80E-09	9.08E-05	2.86E-08	8.33E-09	7.95E-05	2.51E-08	7.30E-09
4324	498363.09, 3856877.2	8.38E-05	2.65E-08	7.69E-09	1.03E-04	3.24E-08	9.42E-09	9.00E-05	2.84E-08	8.26E-09
4325	471363.09, 3857377.2	1.84E-05	5.81E-09	1.69E-09	2.25E-05	7.12E-09	2.07E-09	1.98E-05	6.24E-09	1.81E-09
4326	471863.09, 3857377.2	1.91E-05	6.02E-09	1.75E-09	2.34E-05	7.37E-09	2.14E-09	2.05E-05	6.47E-09	1.88E-09
4327	472363.09, 3857377.2	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.81E-09	2.27E-09	2.17E-05	6.85E-09	1.99E-09

4328	472863.09, 3857377.2	2.17E-05	6.84E-09	1.99E-09	2.65E-05	8.37E-09	2.44E-09	2.33E-05	7.34E-09	2.14E-09
4329	473363.09, 3857377.2	2.35E-05	7.43E-09	2.16E-09	2.88E-05	9.10E-09	2.65E-09	2.53E-05	7.98E-09	2.32E-09
4330	473863.09, 3857377.2	2.58E-05	8.15E-09	2.37E-09	3.16E-05	9.98E-09	2.90E-09	2.77E-05	8.75E-09	2.55E-09
4331	474363.09, 3857377.2	2.55E-05	8.05E-09	2.34E-09	3.13E-05	9.86E-09	2.87E-09	2.74E-05	8.65E-09	2.52E-09
4332	474863.09, 3857377.2	2.09E-05	6.59E-09	1.92E-09	2.56E-05	8.08E-09	2.35E-09	2.24E-05	7.08E-09	2.06E-09
4333	475363.09, 3857377.2	1.47E-05	4.65E-09	1.35E-09	1.81E-05	5.70E-09	1.66E-09	1.58E-05	5.00E-09	1.45E-09
4334	475863.09, 3857377.2	1.38E-05	4.34E-09	1.26E-09	1.68E-05	5.32E-09	1.55E-09	1.48E-05	4.66E-09	1.36E-09
4335	476363.09, 3857377.2	1.86E-05	5.88E-09	1.71E-09	2.28E-05	7.21E-09	2.10E-09	2.00E-05	6.32E-09	1.84E-09
4336	476863.09, 3857377.2	2.03E-05	6.40E-09	1.86E-09	2.48E-05	7.84E-09	2.28E-09	2.18E-05	6.87E-09	2.00E-09
4337	477363.09, 3857377.2	1.77E-05	5.57E-09	1.62E-09	2.16E-05	6.83E-09	1.99E-09	1.90E-05	5.99E-09	1.74E-09
4338	477863.09, 3857377.2	1.30E-05	4.09E-09	1.19E-09	1.59E-05	5.01E-09	1.46E-09	1.39E-05	4.39E-09	1.28E-09
4339	478363.09, 3857377.2	9.78E-06	3.09E-09	8.98E-10	1.20E-05	3.78E-09	1.10E-09	1.05E-05	3.32E-09	9.64E-10
4340	478863.09, 3857377.2	8.38E-06	2.65E-09	7.70E-10	1.03E-05	3.24E-09	9.43E-10	9.01E-06	2.84E-09	8.27E-10
4341	479363.09, 3857377.2	1.42E-05	4.49E-09	1.31E-09	1.74E-05	5.50E-09	1.60E-09	1.53E-05	4.82E-09	1.40E-09
4342	479863.09, 3857377.2	4.48E-05	1.42E-08	4.12E-09	5.49E-05	1.73E-08	5.04E-09	4.82E-05	1.52E-08	4.42E-09
4343	480363.09, 3857377.2	3.60E-05	1.14E-08	3.31E-09	4.41E-05	1.39E-08	4.05E-09	3.87E-05	1.22E-08	3.55E-09
4344	480863.09, 3857377.2	1.07E-04	3.38E-08	9.84E-09	1.31E-04	4.14E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
4345	481363.09, 3857377.2	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
4346	481863.09, 3857377.2	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.58E-04	4.97E-08	1.45E-08
4347	482363.09, 3857377.2	1.67E-04	5.26E-08	1.53E-08	2.04E-04	6.44E-08	1.87E-08	1.79E-04	5.65E-08	1.64E-08
4348	482863.09, 3857377.2	1.87E-04	5.91E-08	1.72E-08	2.30E-04	7.24E-08	2.11E-08	2.01E-04	6.35E-08	1.85E-08
4349	483363.09, 3857377.2	2.17E-04	6.85E-08	1.99E-08	2.66E-04	8.38E-08	2.44E-08	2.33E-04	7.36E-08	2.14E-08
4350	483863.09, 3857377.2	2.57E-04	8.10E-08	2.36E-08	3.14E-04	9.92E-08	2.89E-08	2.76E-04	8.71E-08	2.53E-08
4351	484363.09, 3857377.2	3.04E-04	9.60E-08	2.79E-08	3.73E-04	1.18E-07	3.42E-08	3.27E-04	1.03E-07	3.00E-08
4352	484863.09, 3857377.2	3.70E-04	1.17E-07	3.40E-08	4.54E-04	1.43E-07	4.16E-08	3.98E-04	1.26E-07	3.66E-08
4353	485363.09, 3857377.2	4.65E-04	1.47E-07	4.27E-08	5.70E-04	1.80E-07	5.23E-08	5.00E-04	1.58E-07	4.59E-08
4354	485863.09, 3857377.2	6.22E-04	1.96E-07	5.71E-08	7.62E-04	2.41E-07	7.00E-08	6.69E-04	2.11E-07	6.14E-08
4355	486363.09, 3857377.2	1.02E-03	3.23E-07	9.40E-08	1.25E-03	3.96E-07	1.15E-07	1.10E-03	3.47E-07	1.01E-07
4356	486863.09, 3857377.2	3.32E-03	1.05E-06	3.05E-07	4.07E-03	1.28E-06	3.73E-07	3.55E-03	1.12E-06	3.26E-07
4357	487363.09, 3857377.2	6.20E-03	1.96E-06	5.69E-07	7.60E-03	2.40E-06	6.97E-07	6.46E-03	2.04E-06	5.93E-07
4358	487863.09, 3857377.2	2.42E-03	7.64E-07	2.22E-07	2.96E-03	9.35E-07	2.72E-07	2.56E-03	8.08E-07	2.35E-07
4359	488363.09, 3857377.2	1.58E-03	4.99E-07	1.45E-07	1.94E-03	6.11E-07	1.78E-07	1.68E-03	5.32E-07	1.55E-07
4360	488863.09, 3857377.2	1.17E-03	3.69E-07	1.07E-07	1.43E-03	4.52E-07	1.31E-07	1.25E-03	3.94E-07	1.15E-07
4361	489363.09, 3857377.2	9.23E-04	2.91E-07	8.47E-08	1.13E-03	3.57E-07	1.04E-07	9.87E-04	3.11E-07	9.06E-08
4362	489863.09, 3857377.2	7.60E-04	2.40E-07	6.98E-08	9.31E-04	2.94E-07	8.55E-08	8.14E-04	2.57E-07	7.47E-08
4363	490363.09, 3857377.2	6.41E-04	2.02E-07	5.88E-08	7.85E-04	2.48E-07	7.20E-08	6.86E-04	2.17E-07	6.30E-08
4364	490863.09, 3857377.2	5.51E-04	1.74E-07	5.06E-08	6.74E-04	2.13E-07	6.19E-08	5.90E-04	1.86E-07	5.42E-08
4365	491363.09, 3857377.2	4.80E-04	1.51E-07	4.40E-08	5.88E-04	1.85E-07	5.39E-08	5.14E-04	1.62E-07	4.72E-08
4366	491863.09, 3857377.2	4.20E-04	1.32E-07	3.85E-08	5.14E-04	1.62E-07	4.72E-08	4.50E-04	1.42E-07	4.13E-08
4367	492363.09, 3857377.2	3.27E-04	1.03E-07	3.01E-08	4.01E-04	1.27E-07	3.68E-08	3.51E-04	1.11E-07	3.22E-08
4368	492863.09, 3857377.2	2.27E-04	7.15E-08	2.08E-08	2.78E-04	8.76E-08	2.55E-08	2.43E-04	7.67E-08	2.23E-08
4369	493363.09, 3857377.2	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
4370	493863.09, 3857377.2	1.22E-04	3.85E-08	1.12E-08	1.49E-04	4.72E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
4371	494363.09, 3857377.2	9.70E-05	3.06E-08	8.91E-09	1.19E-04	3.75E-08	1.09E-08	1.04E-04	3.29E-08	9.56E-09
4372	494863.09, 3857377.2	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.14E-05	2.89E-08	8.39E-09
4373	495363.09, 3857377.2	7.61E-05	2.40E-08	6.99E-09	9.33E-05	2.94E-08	8.56E-09	8.17E-05	2.58E-08	7.50E-09
4374	495863.09, 3857377.2	7.27E-05	2.30E-08	6.68E-09	8.91E-05	2.81E-08	8.18E-09	7.81E-05	2.46E-08	7.17E-09
4375	496363.09, 3857377.2	7.08E-05	2.24E-08	6.50E-09	8.67E-05	2.74E-08	7.96E-09	7.60E-05	2.40E-08	6.98E-09
4376	496863.09, 3857377.2	7.01E-05	2.21E-08	6.43E-09	8.58E-05	2.71E-08	7.88E-09	7.52E-05	2.37E-08	6.91E-09
4377	497363.09, 3857377.2	7.29E-05	2.30E-08	6.69E-09	8.93E-05	2.82E-08	8.20E-09	7.83E-05	2.47E-08	7.18E-09
4378	497863.09, 3857377.2	7.86E-05	2.48E-08	7.22E-09	9.63E-05	3.04E-08	8.84E-09	8.44E-05	2.66E-08	7.75E-09
4379	498363.09, 3857377.2	9.51E-05	3.00E-08	8.73E-09	1.16E-04	3.68E-08	1.07E-08	1.02E-04	3.22E-08	9.37E-09
4380	471363.09, 3857877.2	1.84E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.25E-09	1.82E-09
4381	471863.09, 3857877.2	1.93E-05	6.08E-09	1.77E-09	2.36E-05	7.45E-09	2.17E-09	2.07E-05	6.53E-09	1.90E-09
4382	472363.09, 3857877.2	2.05E-05	6.46E-09	1.88E-09	2.51E-05	7.91E-09	2.30E-09	2.20E-05	6.94E-09	2.02E-09
4383	472863.09, 3857877.2	2.22E-05	7.02E-09	2.04E-09	2.72E-05	8.60E-09	2.50E-09	2.39E-05	7.54E-09	2.19E-09
4384	473363.09, 3857877.2	2.37E-05	7.49E-09	2.18E-09	2.91E-05	9.18E-09	2.67E-09	2.55E-05	8.05E-09	2.34E-09
4385	473863.09, 3857877.2	2.59E-05	8.16E-09	2.37E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.77E-09	2.55E-09
4386	474363.09, 3857877.2	2.53E-05	7.98E-09	2.32E-09	3.10E-05	9.77E-09	2.84E-09	2.71E-05	8.57E-09	2.49E-09
4387	474863.09, 3857877.2	2.00E-05	6.31E-09	1.84E-09	2.45E-05	7.73E-09	2.25E-09	2.15E-05	6.78E-09	1.97E-09
4388	475363.09, 3857877.2	1.10E-05	3.48E-09	1.01E-09	1.35E-05	4.26E-09	1.24E-09	1.18E-05	3.74E-09	1.09E-09

4389	475863.09, 3857877.2	4.90E-06	1.55E-09	4.50E-10	6.00E-06	1.89E-09	5.51E-10	5.26E-06	1.66E-09	4.83E-10
4390	476363.09, 3857877.2	1.28E-05	4.04E-09	1.17E-09	1.57E-05	4.95E-09	1.44E-09	1.37E-05	4.34E-09	1.26E-09
4391	476863.09, 3857877.2	1.64E-05	5.18E-09	1.51E-09	2.01E-05	6.34E-09	1.84E-09	1.76E-05	5.56E-09	1.62E-09
4392	477363.09, 3857877.2	1.61E-05	5.08E-09	1.48E-09	1.97E-05	6.22E-09	1.81E-09	1.73E-05	5.46E-09	1.59E-09
4393	477863.09, 3857877.2	1.55E-05	4.90E-09	1.43E-09	1.90E-05	6.01E-09	1.75E-09	1.67E-05	5.27E-09	1.53E-09
4394	478363.09, 3857877.2	8.25E-06	2.60E-09	7.58E-10	1.01E-05	3.19E-09	9.28E-10	8.86E-06	2.80E-09	8.14E-10
4395	478863.09, 3857877.2	6.73E-06	2.13E-09	6.18E-10	8.25E-06	2.60E-09	7.57E-10	7.23E-06	2.28E-09	6.64E-10
4396	479363.09, 3857877.2	4.01E-05	1.27E-08	3.69E-09	4.92E-05	1.55E-08	4.52E-09	4.31E-05	1.36E-08	3.96E-09
4397	479863.09, 3857877.2	7.23E-05	2.28E-08	6.64E-09	8.86E-05	2.79E-08	8.13E-09	7.77E-05	2.45E-08	7.13E-09
4398	480363.09, 3857877.2	8.69E-05	2.74E-08	7.98E-09	1.06E-04	3.36E-08	9.78E-09	9.34E-05	2.95E-08	8.58E-09
4399	480863.09, 3857877.2	9.83E-05	3.10E-08	9.03E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.70E-09
4400	481363.09, 3857877.2	1.12E-04	3.53E-08	1.03E-08	1.37E-04	4.32E-08	1.26E-08	1.20E-04	3.79E-08	1.10E-08
4401	481863.09, 3857877.2	1.30E-04	4.11E-08	1.20E-08	1.59E-04	5.03E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
4402	482363.09, 3857877.2	1.51E-04	4.76E-08	1.38E-08	1.85E-04	5.83E-08	1.69E-08	1.62E-04	5.11E-08	1.49E-08
4403	482863.09, 3857877.2	1.61E-04	5.09E-08	1.48E-08	1.98E-04	6.23E-08	1.81E-08	1.73E-04	5.47E-08	1.59E-08
4404	483363.09, 3857877.2	1.82E-04	5.76E-08	1.68E-08	2.24E-04	7.05E-08	2.05E-08	1.96E-04	6.19E-08	1.80E-08
4405	483863.09, 3857877.2	2.10E-04	6.63E-08	1.93E-08	2.57E-04	8.12E-08	2.36E-08	2.26E-04	7.12E-08	2.07E-08
4406	484363.09, 3857877.2	2.41E-04	7.62E-08	2.22E-08	2.96E-04	9.33E-08	2.71E-08	2.59E-04	8.19E-08	2.38E-08
4407	484863.09, 3857877.2	2.82E-04	8.89E-08	2.59E-08	3.45E-04	1.09E-07	3.17E-08	3.03E-04	9.55E-08	2.78E-08
4408	485363.09, 3857877.2	3.34E-04	1.05E-07	3.07E-08	4.09E-04	1.29E-07	3.76E-08	3.59E-04	1.13E-07	3.29E-08
4409	485863.09, 3857877.2	4.09E-04	1.29E-07	3.75E-08	5.01E-04	1.58E-07	4.60E-08	4.39E-04	1.38E-07	4.03E-08
4410	486363.09, 3857877.2	5.26E-04	1.66E-07	4.83E-08	6.44E-04	2.03E-07	5.91E-08	5.64E-04	1.78E-07	5.17E-08
4411	486863.09, 3857877.2	7.58E-04	2.39E-07	6.96E-08	9.28E-04	2.93E-07	8.52E-08	8.11E-04	2.56E-07	7.45E-08
4412	487363.09, 3857877.2	1.72E-03	5.43E-07	1.58E-07	2.11E-03	6.65E-07	1.93E-07	1.85E-03	5.84E-07	1.70E-07
4413	487863.09, 3857877.2	2.83E-03	8.92E-07	2.60E-07	3.46E-03	1.09E-06	3.18E-07	3.04E-03	9.60E-07	2.79E-07
4414	488363.09, 3857877.2	1.43E-03	4.51E-07	1.31E-07	1.75E-03	5.52E-07	1.61E-07	1.53E-03	4.84E-07	1.41E-07
4415	488863.09, 3857877.2	1.02E-03	3.21E-07	9.34E-08	1.25E-03	3.93E-07	1.14E-07	1.09E-03	3.44E-07	1.00E-07
4416	489363.09, 3857877.2	8.13E-04	2.57E-07	7.47E-08	9.96E-04	3.14E-07	9.14E-08	8.72E-04	2.75E-07	8.00E-08
4417	489863.09, 3857877.2	6.77E-04	2.14E-07	6.21E-08	8.29E-04	2.62E-07	7.61E-08	7.25E-04	2.29E-07	6.66E-08
4418	490363.09, 3857877.2	5.76E-04	1.82E-07	5.28E-08	7.05E-04	2.23E-07	6.47E-08	6.17E-04	1.95E-07	5.67E-08
4419	490863.09, 3857877.2	4.97E-04	1.57E-07	4.56E-08	6.08E-04	1.92E-07	5.59E-08	5.33E-04	1.68E-07	4.89E-08
4420	491363.09, 3857877.2	4.29E-04	1.36E-07	3.94E-08	5.26E-04	1.66E-07	4.83E-08	4.61E-04	1.45E-07	4.23E-08
4421	491863.09, 3857877.2	3.65E-04	1.15E-07	3.36E-08	4.48E-04	1.41E-07	4.11E-08	3.92E-04	1.24E-07	3.60E-08
4422	492363.09, 3857877.2	2.65E-04	8.35E-08	2.43E-08	3.24E-04	1.02E-07	2.98E-08	2.84E-04	8.96E-08	2.61E-08
4423	492863.09, 3857877.2	1.77E-04	5.59E-08	1.63E-08	2.17E-04	6.84E-08	1.99E-08	1.90E-04	6.00E-08	1.74E-08
4424	493363.09, 3857877.2	1.42E-04	4.49E-08	1.31E-08	1.74E-04	5.50E-08	1.60E-08	1.53E-04	4.82E-08	1.40E-08
4425	493863.09, 3857877.2	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
4426	494363.09, 3857877.2	1.11E-04	3.49E-08	1.02E-08	1.36E-04	4.28E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
4427	494863.09, 3857877.2	9.29E-05	2.93E-08	8.53E-09	1.14E-04	3.59E-08	1.04E-08	9.98E-05	3.15E-08	9.16E-09
4428	495363.09, 3857877.2	8.61E-05	2.72E-08	7.90E-09	1.05E-04	3.33E-08	9.68E-09	9.24E-05	2.92E-08	8.48E-09
4429	495863.09, 3857877.2	8.04E-05	2.54E-08	7.38E-09	9.84E-05	3.11E-08	9.04E-09	8.63E-05	2.72E-08	7.92E-09
4430	496363.09, 3857877.2	7.99E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.98E-09	8.57E-05	2.71E-08	7.87E-09
4431	496863.09, 3857877.2	7.96E-05	2.51E-08	7.30E-09	9.74E-05	3.08E-08	8.95E-09	8.54E-05	2.70E-08	7.84E-09
4432	497363.09, 3857877.2	7.78E-05	2.46E-08	7.15E-09	9.53E-05	3.01E-08	8.75E-09	8.36E-05	2.64E-08	7.67E-09
4433	497863.09, 3857877.2	8.83E-05	2.79E-08	8.10E-09	1.08E-04	3.41E-08	9.92E-09	9.47E-05	2.99E-08	8.70E-09
4434	498363.09, 3857877.2	9.82E-05	3.10E-08	9.01E-09	1.20E-04	3.79E-08	1.10E-08	1.05E-04	3.33E-08	9.67E-09
4435	471363.09, 3858377.2	1.90E-05	5.99E-09	1.74E-09	2.33E-05	7.34E-09	2.14E-09	2.04E-05	6.44E-09	1.87E-09
4436	471863.09, 3858377.2	1.99E-05	6.28E-09	1.83E-09	2.44E-05	7.70E-09	2.24E-09	2.14E-05	6.75E-09	1.96E-09
4437	472363.09, 3858377.2	2.10E-05	6.62E-09	1.92E-09	2.57E-05	8.11E-09	2.36E-09	2.25E-05	7.11E-09	2.07E-09
4438	472863.09, 3858377.2	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.73E-09	2.54E-09	2.42E-05	7.65E-09	2.23E-09
4439	473363.09, 3858377.2	2.51E-05	7.92E-09	2.30E-09	3.07E-05	9.70E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
4440	473863.09, 3858377.2	2.62E-05	8.27E-09	2.41E-09	3.21E-05	1.01E-08	2.95E-09	2.81E-05	8.88E-09	2.58E-09
4441	474363.09, 3858377.2	2.49E-05	7.86E-09	2.29E-09	3.05E-05	9.63E-09	2.80E-09	2.67E-05	8.44E-09	2.45E-09
4442	474863.09, 3858377.2	2.10E-05	6.61E-09	1.92E-09	2.57E-05	8.10E-09	2.36E-09	2.25E-05	7.10E-09	2.07E-09
4443	475363.09, 3858377.2	1.39E-05	4.38E-09	1.28E-09	1.70E-05	5.37E-09	1.56E-09	1.49E-05	4.71E-09	1.37E-09
4444	475863.09, 3858377.2	9.62E-06	3.04E-09	8.83E-10	1.18E-05	3.72E-09	1.08E-09	1.03E-05	3.26E-09	9.48E-10
4445	476363.09, 3858377.2	1.06E-05	3.36E-09	9.76E-10	1.30E-05	4.11E-09	1.20E-09	1.14E-05	3.61E-09	1.05E-09
4446	476863.09, 3858377.2	1.20E-05	3.79E-09	1.10E-09	1.47E-05	4.65E-09	1.35E-09	1.29E-05	4.08E-09	1.19E-09
4447	477363.09, 3858377.2	1.14E-05	3.59E-09	1.05E-09	1.40E-05	4.40E-09	1.28E-09	1.22E-05	3.86E-09	1.12E-09
4448	477863.09, 3858377.2	1.61E-05	5.10E-09	1.48E-09	1.98E-05	6.24E-09	1.82E-09	1.73E-05	5.47E-09	1.59E-09
4449	478363.09, 3858377.2	1.76E-05	5.56E-09	1.62E-09	2.16E-05	6.82E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09

4450	478863.09, 3858377.2	1.14E-05	3.60E-09	1.05E-09	1.40E-05	4.41E-09	1.28E-09	1.23E-05	3.87E-09	1.13E-09
4451	479363.09, 3858377.2	4.17E-05	1.32E-08	3.83E-09	5.11E-05	1.61E-08	4.69E-09	4.48E-05	1.41E-08	4.11E-09
4452	479863.09, 3858377.2	7.09E-05	2.24E-08	6.51E-09	8.69E-05	2.74E-08	7.98E-09	7.62E-05	2.40E-08	6.99E-09
4453	480363.09, 3858377.2	8.23E-05	2.60E-08	7.56E-09	1.01E-04	3.18E-08	9.26E-09	8.84E-05	2.79E-08	8.12E-09
4454	480863.09, 3858377.2	9.15E-05	2.89E-08	8.40E-09	1.12E-04	3.54E-08	1.03E-08	9.83E-05	3.10E-08	9.03E-09
4455	481363.09, 3858377.2	1.03E-04	3.25E-08	9.47E-09	1.26E-04	3.99E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
4456	481863.09, 3858377.2	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.50E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
4457	482363.09, 3858377.2	1.32E-04	4.17E-08	1.21E-08	1.62E-04	5.11E-08	1.49E-08	1.42E-04	4.49E-08	1.30E-08
4458	482863.09, 3858377.2	1.48E-04	4.68E-08	1.36E-08	1.82E-04	5.73E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
4459	483363.09, 3858377.2	1.58E-04	4.97E-08	1.45E-08	1.93E-04	6.09E-08	1.77E-08	1.69E-04	5.34E-08	1.55E-08
4460	483863.09, 3858377.2	1.73E-04	5.45E-08	1.59E-08	2.12E-04	6.68E-08	1.94E-08	1.86E-04	5.86E-08	1.70E-08
4461	484363.09, 3858377.2	1.95E-04	6.15E-08	1.79E-08	2.39E-04	7.53E-08	2.19E-08	2.09E-04	6.61E-08	1.92E-08
4462	484863.09, 3858377.2	2.20E-04	6.93E-08	2.02E-08	2.69E-04	8.49E-08	2.47E-08	2.36E-04	7.44E-08	2.17E-08
4463	485363.09, 3858377.2	2.49E-04	7.85E-08	2.28E-08	3.04E-04	9.61E-08	2.79E-08	2.67E-04	8.42E-08	2.45E-08
4464	485863.09, 3858377.2	2.86E-04	9.03E-08	2.63E-08	3.50E-04	1.11E-07	3.22E-08	3.07E-04	9.69E-08	2.82E-08
4465	486363.09, 3858377.2	3.35E-04	1.06E-07	3.08E-08	4.11E-04	1.30E-07	3.77E-08	3.60E-04	1.14E-07	3.30E-08
4466	486863.09, 3858377.2	3.98E-04	1.26E-07	3.66E-08	4.88E-04	1.54E-07	4.48E-08	4.27E-04	1.35E-07	3.92E-08
4467	487363.09, 3858377.2	5.07E-04	1.60E-07	4.66E-08	6.21E-04	1.96E-07	5.70E-08	5.45E-04	1.72E-07	5.00E-08
4468	487863.09, 3858377.2	8.55E-04	2.70E-07	7.85E-08	1.05E-03	3.31E-07	9.62E-08	9.21E-04	2.91E-07	8.45E-08
4469	488363.09, 3858377.2	2.16E-03	6.82E-07	1.98E-07	2.65E-03	8.36E-07	2.43E-07	2.33E-03	7.36E-07	2.14E-07
4470	488863.09, 3858377.2	1.00E-03	3.17E-07	9.21E-08	1.23E-03	3.88E-07	1.13E-07	1.08E-03	3.41E-07	9.92E-08
4471	489363.09, 3858377.2	7.31E-04	2.31E-07	6.71E-08	8.96E-04	2.83E-07	8.22E-08	7.86E-04	2.48E-07	7.22E-08
4472	489863.09, 3858377.2	5.92E-04	1.87E-07	5.44E-08	7.26E-04	2.29E-07	6.66E-08	6.37E-04	2.01E-07	5.84E-08
4473	490363.09, 3858377.2	4.97E-04	1.57E-07	4.56E-08	6.08E-04	1.92E-07	5.59E-08	5.34E-04	1.68E-07	4.90E-08
4474	490863.09, 3858377.2	4.26E-04	1.35E-07	3.91E-08	5.22E-04	1.65E-07	4.79E-08	4.58E-04	1.44E-07	4.20E-08
4475	491363.09, 3858377.2	3.66E-04	1.15E-07	3.36E-08	4.48E-04	1.41E-07	4.11E-08	3.92E-04	1.24E-07	3.60E-08
4476	491863.09, 3858377.2	2.89E-04	9.12E-08	2.65E-08	3.54E-04	1.12E-07	3.25E-08	3.10E-04	9.79E-08	2.85E-08
4477	492363.09, 3858377.2	1.89E-04	5.97E-08	1.74E-08	2.32E-04	7.31E-08	2.13E-08	2.03E-04	6.41E-08	1.86E-08
4478	492863.09, 3858377.2	1.95E-04	6.15E-08	1.79E-08	2.39E-04	7.54E-08	2.19E-08	2.09E-04	6.60E-08	1.92E-08
4479	493363.09, 3858377.2	1.62E-04	5.11E-08	1.49E-08	1.98E-04	6.25E-08	1.82E-08	1.74E-04	5.48E-08	1.59E-08
4480	493863.09, 3858377.2	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
4481	494363.09, 3858377.2	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.34E-04	4.24E-08	1.23E-08
4482	494863.09, 3858377.2	1.11E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
4483	495363.09, 3858377.2	9.53E-05	3.01E-08	8.75E-09	1.17E-04	3.68E-08	1.07E-08	1.02E-04	3.23E-08	9.39E-09
4484	495863.09, 3858377.2	9.14E-05	2.89E-08	8.39E-09	1.12E-04	3.53E-08	1.03E-08	9.82E-05	3.10E-08	9.01E-09
4485	496363.09, 3858377.2	8.71E-05	2.75E-08	7.99E-09	1.07E-04	3.37E-08	9.79E-09	9.35E-05	2.95E-08	8.58E-09
4486	496863.09, 3858377.2	8.98E-05	2.83E-08	8.24E-09	1.10E-04	3.47E-08	1.01E-08	9.64E-05	3.04E-08	8.85E-09
4487	497363.09, 3858377.2	8.88E-05	2.80E-08	8.16E-09	1.09E-04	3.43E-08	9.99E-09	9.54E-05	3.01E-08	8.76E-09
4488	497863.09, 3858377.2	9.65E-05	3.05E-08	8.86E-09	1.18E-04	3.73E-08	1.09E-08	1.04E-04	3.27E-08	9.52E-09
4489	498363.09, 3858377.2	1.06E-04	3.34E-08	9.72E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
4490	471363.09, 3858877.2	1.93E-05	6.08E-09	1.77E-09	2.36E-05	7.44E-09	2.16E-09	2.07E-05	6.52E-09	1.90E-09
4491	471863.09, 3858877.2	2.02E-05	6.38E-09	1.85E-09	2.47E-05	7.81E-09	2.27E-09	2.17E-05	6.84E-09	1.99E-09
4492	472363.09, 3858877.2	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
4493	472863.09, 3858877.2	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.05E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
4494	473363.09, 3858877.2	2.54E-05	8.03E-09	2.33E-09	3.11E-05	9.83E-09	2.86E-09	2.73E-05	8.62E-09	2.51E-09
4495	473863.09, 3858877.2	2.66E-05	8.38E-09	2.44E-09	3.25E-05	1.03E-08	2.99E-09	2.85E-05	9.00E-09	2.62E-09
4496	474363.09, 3858877.2	2.59E-05	8.18E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.55E-09
4497	474863.09, 3858877.2	1.33E-05	4.20E-09	1.22E-09	1.63E-05	5.15E-09	1.50E-09	1.43E-05	4.51E-09	1.31E-09
4498	475363.09, 3858877.2	9.51E-06	3.00E-09	8.73E-10	1.17E-05	3.68E-09	1.07E-09	1.02E-05	3.23E-09	9.38E-10
4499	475863.09, 3858877.2	1.12E-05	3.55E-09	1.03E-09	1.38E-05	4.34E-09	1.26E-09	1.21E-05	3.81E-09	1.11E-09
4500	476363.09, 3858877.2	6.75E-06	2.13E-09	6.19E-10	8.27E-06	2.61E-09	7.59E-10	7.25E-06	2.29E-09	6.65E-10
4501	476863.09, 3858877.2	8.86E-06	2.80E-09	8.13E-10	1.09E-05	3.43E-09	9.96E-10	9.52E-06	3.00E-09	8.74E-10
4502	477363.09, 3858877.2	9.19E-06	2.90E-09	8.44E-10	1.13E-05	3.55E-09	1.03E-09	9.87E-06	3.12E-09	9.06E-10
4503	477863.09, 3858877.2	1.19E-05	3.76E-09	1.09E-09	1.46E-05	4.60E-09	1.34E-09	1.28E-05	4.04E-09	1.17E-09
4504	478363.09, 3858877.2	2.72E-05	8.58E-09	2.49E-09	3.33E-05	1.05E-08	3.06E-09	2.92E-05	9.21E-09	2.68E-09
4505	478863.09, 3858877.2	2.29E-05	7.23E-09	2.10E-09	2.81E-05	8.86E-09	2.58E-09	2.46E-05	7.77E-09	2.26E-09
4506	479363.09, 3858877.2	1.81E-05	5.73E-09	1.67E-09	2.22E-05	7.02E-09	2.04E-09	1.95E-05	6.15E-09	1.79E-09
4507	479863.09, 3858877.2	6.77E-05	2.14E-08	6.22E-09	8.29E-05	2.62E-08	7.61E-09	7.28E-05	2.30E-08	6.68E-09
4508	480363.09, 3858877.2	7.61E-05	2.40E-08	6.98E-09	9.32E-05	2.94E-08	8.55E-09	8.17E-05	2.58E-08	7.50E-09
4509	480863.09, 3858877.2	8.44E-05	2.66E-08	7.75E-09	1.03E-04	3.26E-08	9.49E-09	9.07E-05	2.86E-08	8.33E-09
4510	481363.09, 3858877.2	9.35E-05	2.95E-08	8.58E-09	1.15E-04	3.61E-08	1.05E-08	1.00E-04	3.17E-08	9.22E-09

4511	481863.09, 3858877.2	1.04E-04	3.29E-08	9.57E-09	1.28E-04	4.03E-08	1.17E-08	1.12E-04	3.53E-08	1.03E-08
4512	482363.09, 3858877.2	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
4513	482863.09, 3858877.2	1.28E-04	4.05E-08	1.18E-08	1.57E-04	4.96E-08	1.44E-08	1.38E-04	4.35E-08	1.26E-08
4514	483363.09, 3858877.2	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.43E-04	4.53E-08	1.32E-08
4515	483863.09, 3858877.2	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
4516	484363.09, 3858877.2	1.58E-04	5.00E-08	1.45E-08	1.94E-04	6.13E-08	1.78E-08	1.70E-04	5.37E-08	1.56E-08
4517	484863.09, 3858877.2	1.74E-04	5.48E-08	1.59E-08	2.13E-04	6.71E-08	1.95E-08	1.87E-04	5.89E-08	1.71E-08
4518	485363.09, 3858877.2	1.91E-04	6.02E-08	1.75E-08	2.34E-04	7.37E-08	2.14E-08	2.05E-04	6.46E-08	1.88E-08
4519	485863.09, 3858877.2	2.11E-04	6.66E-08	1.94E-08	2.58E-04	8.15E-08	2.37E-08	2.26E-04	7.15E-08	2.08E-08
4520	486363.09, 3858877.2	2.32E-04	7.31E-08	2.13E-08	2.84E-04	8.95E-08	2.60E-08	2.49E-04	7.85E-08	2.28E-08
4521	486863.09, 3858877.2	2.58E-04	8.13E-08	2.37E-08	3.16E-04	9.96E-08	2.90E-08	2.77E-04	8.73E-08	2.54E-08
4522	487363.09, 3858877.2	2.98E-04	9.40E-08	2.74E-08	3.65E-04	1.15E-07	3.35E-08	3.20E-04	1.01E-07	2.94E-08
4523	487863.09, 3858877.2	3.55E-04	1.12E-07	3.26E-08	4.35E-04	1.37E-07	4.00E-08	3.82E-04	1.21E-07	3.51E-08
4524	488363.09, 3858877.2	5.14E-04	1.62E-07	4.72E-08	6.30E-04	1.99E-07	5.78E-08	5.53E-04	1.75E-07	5.08E-08
4525	488863.09, 3858877.2	1.86E-03	5.87E-07	1.71E-07	2.28E-03	7.19E-07	2.09E-07	2.01E-03	6.33E-07	1.84E-07
4526	489363.09, 3858877.2	6.39E-04	2.02E-07	5.87E-08	7.83E-04	2.47E-07	7.19E-08	6.89E-04	2.17E-07	6.32E-08
4527	489863.09, 3858877.2	4.47E-04	1.41E-07	4.11E-08	5.48E-04	1.73E-07	5.03E-08	4.81E-04	1.52E-07	4.42E-08
4528	490363.09, 3858877.2	3.70E-04	1.17E-07	3.40E-08	4.54E-04	1.43E-07	4.17E-08	3.98E-04	1.26E-07	3.65E-08
4529	490863.09, 3858877.2	3.16E-04	9.97E-08	2.90E-08	3.87E-04	1.22E-07	3.55E-08	3.39E-04	1.07E-07	3.11E-08
4530	491363.09, 3858877.2	2.60E-04	8.20E-08	2.39E-08	3.18E-04	1.00E-07	2.92E-08	2.79E-04	8.80E-08	2.56E-08
4531	491863.09, 3858877.2	1.94E-04	6.12E-08	1.78E-08	2.38E-04	7.50E-08	2.18E-08	2.08E-04	6.57E-08	1.91E-08
4532	492363.09, 3858877.2	2.05E-04	6.48E-08	1.88E-08	2.51E-04	7.94E-08	2.31E-08	2.20E-04	6.96E-08	2.02E-08
4533	492863.09, 3858877.2	2.09E-04	6.60E-08	1.92E-08	2.56E-04	8.08E-08	2.35E-08	2.24E-04	7.08E-08	2.06E-08
4534	493363.09, 3858877.2	1.88E-04	5.92E-08	1.72E-08	2.30E-04	7.26E-08	2.11E-08	2.01E-04	6.36E-08	1.85E-08
4535	493863.09, 3858877.2	1.56E-04	4.92E-08	1.43E-08	1.91E-04	6.03E-08	1.75E-08	1.67E-04	5.28E-08	1.54E-08
4536	494363.09, 3858877.2	1.42E-04	4.47E-08	1.30E-08	1.74E-04	5.48E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
4537	494863.09, 3858877.2	1.26E-04	3.96E-08	1.15E-08	1.54E-04	4.86E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
4538	495363.09, 3858877.2	1.11E-04	3.52E-08	1.02E-08	1.36E-04	4.31E-08	1.25E-08	1.20E-04	3.77E-08	1.10E-08
4539	495863.09, 3858877.2	1.04E-04	3.28E-08	9.55E-09	1.27E-04	4.02E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
4540	496363.09, 3858877.2	1.01E-04	3.19E-08	9.27E-09	1.24E-04	3.90E-08	1.14E-08	1.08E-04	3.42E-08	9.95E-09
4541	496863.09, 3858877.2	9.81E-05	3.10E-08	9.01E-09	1.20E-04	3.79E-08	1.10E-08	1.05E-04	3.32E-08	9.67E-09
4542	497363.09, 3858877.2	9.50E-05	3.00E-08	8.72E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.22E-08	9.36E-09
4543	497863.09, 3858877.2	1.03E-04	3.24E-08	9.43E-09	1.26E-04	3.97E-08	1.16E-08	1.10E-04	3.48E-08	1.01E-08
4544	498363.09, 3858877.2	1.08E-04	3.39E-08	9.87E-09	1.32E-04	4.16E-08	1.21E-08	1.15E-04	3.64E-08	1.06E-08
4545	471363.09, 3859377.2	1.95E-05	6.16E-09	1.79E-09	2.39E-05	7.55E-09	2.20E-09	2.10E-05	6.62E-09	1.92E-09
4546	471863.09, 3859377.2	2.07E-05	6.53E-09	1.90E-09	2.53E-05	8.00E-09	2.33E-09	2.22E-05	7.01E-09	2.04E-09
4547	472363.09, 3859377.2	2.22E-05	7.00E-09	2.04E-09	2.72E-05	8.57E-09	2.49E-09	2.38E-05	7.52E-09	2.19E-09
4548	472863.09, 3859377.2	2.36E-05	7.45E-09	2.17E-09	2.89E-05	9.13E-09	2.66E-09	2.54E-05	8.00E-09	2.33E-09
4549	473363.09, 3859377.2	2.53E-05	7.97E-09	2.32E-09	3.09E-05	9.77E-09	2.84E-09	2.71E-05	8.56E-09	2.49E-09
4550	473863.09, 3859377.2	2.67E-05	8.42E-09	2.45E-09	3.27E-05	1.03E-08	3.00E-09	2.87E-05	9.04E-09	2.63E-09
4551	474363.09, 3859377.2	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.80E-09	2.56E-09
4552	474863.09, 3859377.2	2.09E-05	6.60E-09	1.92E-09	2.56E-05	8.09E-09	2.35E-09	2.25E-05	7.09E-09	2.06E-09
4553	475363.09, 3859377.2	1.39E-05	4.38E-09	1.27E-09	1.70E-05	5.37E-09	1.56E-09	1.49E-05	4.70E-09	1.37E-09
4554	475863.09, 3859377.2	8.57E-06	2.70E-09	7.86E-10	1.05E-05	3.31E-09	9.63E-10	9.20E-06	2.90E-09	8.45E-10
4555	476363.09, 3859377.2	7.57E-06	2.39E-09	6.95E-10	9.27E-06	2.93E-09	8.51E-10	8.13E-06	2.57E-09	7.47E-10
4556	476863.09, 3859377.2	6.05E-06	1.91E-09	5.56E-10	7.42E-06	2.34E-09	6.81E-10	6.50E-06	2.05E-09	5.97E-10
4557	477363.09, 3859377.2	6.72E-06	2.12E-09	6.17E-10	8.23E-06	2.60E-09	7.56E-10	7.22E-06	2.28E-09	6.63E-10
4558	477863.09, 3859377.2	1.37E-05	4.32E-09	1.26E-09	1.67E-05	5.29E-09	1.54E-09	1.47E-05	4.64E-09	1.35E-09
4559	478363.09, 3859377.2	2.36E-05	7.45E-09	2.17E-09	2.89E-05	9.13E-09	2.66E-09	2.54E-05	8.00E-09	2.33E-09
4560	478863.09, 3859377.2	3.85E-05	1.21E-08	3.53E-09	4.71E-05	1.49E-08	4.33E-09	4.13E-05	1.30E-08	3.79E-09
4561	479363.09, 3859377.2	5.13E-05	1.62E-08	4.71E-09	6.28E-05	1.98E-08	5.77E-09	5.51E-05	1.74E-08	5.06E-09
4562	479863.09, 3859377.2	6.12E-05	1.93E-08	5.62E-09	7.50E-05	2.37E-08	6.88E-09	6.58E-05	2.08E-08	6.04E-09
4563	480363.09, 3859377.2	6.99E-05	2.21E-08	6.42E-09	8.56E-05	2.70E-08	7.86E-09	7.51E-05	2.37E-08	6.89E-09
4564	480863.09, 3859377.2	7.70E-05	2.43E-08	7.06E-09	9.43E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.59E-09
4565	481363.09, 3859377.2	8.46E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.09E-05	2.87E-08	8.34E-09
4566	481863.09, 3859377.2	9.30E-05	2.94E-08	8.54E-09	1.14E-04	3.60E-08	1.05E-08	9.99E-05	3.15E-08	9.17E-09
4567	482363.09, 3859377.2	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	9.99E-09
4568	482863.09, 3859377.2	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
4569	483363.09, 3859377.2	1.18E-04	3.73E-08	1.08E-08	1.45E-04	4.57E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
4570	483863.09, 3859377.2	1.20E-04	3.80E-08	1.11E-08	1.48E-04	4.66E-08	1.35E-08	1.29E-04	4.08E-08	1.19E-08
4571	484363.09, 3859377.2	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08

4572	484863.09, 3859377.2	1.40E-04	4.41E-08	1.28E-08	1.71E-04	5.41E-08	1.57E-08	1.50E-04	4.74E-08	1.38E-08
4573	485363.09, 3859377.2	1.50E-04	4.73E-08	1.38E-08	1.84E-04	5.80E-08	1.69E-08	1.61E-04	5.08E-08	1.48E-08
4574	485863.09, 3859377.2	1.60E-04	5.06E-08	1.47E-08	1.96E-04	6.20E-08	1.80E-08	1.72E-04	5.43E-08	1.58E-08
4575	486363.09, 3859377.2	1.71E-04	5.41E-08	1.57E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.81E-08	1.69E-08
4576	486863.09, 3859377.2	1.81E-04	5.71E-08	1.66E-08	2.22E-04	6.99E-08	2.03E-08	1.94E-04	6.13E-08	1.78E-08
4577	487363.09, 3859377.2	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.52E-08	1.90E-08
4578	487863.09, 3859377.2	2.11E-04	6.65E-08	1.93E-08	2.58E-04	8.14E-08	2.37E-08	2.26E-04	7.14E-08	2.08E-08
4579	488363.09, 3859377.2	2.29E-04	7.23E-08	2.10E-08	2.81E-04	8.85E-08	2.58E-08	2.46E-04	7.77E-08	2.26E-08
4580	488863.09, 3859377.2	2.41E-04	7.60E-08	2.21E-08	2.95E-04	9.31E-08	2.71E-08	2.59E-04	8.17E-08	2.38E-08
4581	489363.09, 3859377.2	2.44E-04	7.70E-08	2.24E-08	2.99E-04	9.43E-08	2.74E-08	2.62E-04	8.28E-08	2.41E-08
4582	489863.09, 3859377.2	2.36E-04	7.45E-08	2.17E-08	2.89E-04	9.13E-08	2.65E-08	2.54E-04	8.01E-08	2.33E-08
4583	490363.09, 3859377.2	2.29E-04	7.21E-08	2.10E-08	2.80E-04	8.84E-08	2.57E-08	2.46E-04	7.75E-08	2.25E-08
4584	490863.09, 3859377.2	2.16E-04	6.82E-08	1.98E-08	2.65E-04	8.36E-08	2.43E-08	2.32E-04	7.33E-08	2.13E-08
4585	491363.09, 3859377.2	1.86E-04	5.86E-08	1.71E-08	2.28E-04	7.18E-08	2.09E-08	1.99E-04	6.29E-08	1.83E-08
4586	491863.09, 3859377.2	1.96E-04	6.19E-08	1.80E-08	2.40E-04	7.58E-08	2.21E-08	2.11E-04	6.65E-08	1.93E-08
4587	492363.09, 3859377.2	1.87E-04	5.91E-08	1.72E-08	2.29E-04	7.23E-08	2.10E-08	2.01E-04	6.34E-08	1.84E-08
4588	492863.09, 3859377.2	1.78E-04	5.62E-08	1.63E-08	2.18E-04	6.88E-08	2.00E-08	1.91E-04	6.03E-08	1.75E-08
4589	493363.09, 3859377.2	1.64E-04	5.19E-08	1.51E-08	2.01E-04	6.35E-08	1.85E-08	1.76E-04	5.57E-08	1.62E-08
4590	493863.09, 3859377.2	1.55E-04	4.91E-08	1.43E-08	1.90E-04	6.01E-08	1.75E-08	1.67E-04	5.27E-08	1.53E-08
4591	494363.09, 3859377.2	1.45E-04	4.57E-08	1.33E-08	1.77E-04	5.60E-08	1.63E-08	1.55E-04	4.91E-08	1.43E-08
4592	494863.09, 3859377.2	1.29E-04	4.06E-08	1.18E-08	1.58E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
4593	495363.09, 3859377.2	1.22E-04	3.85E-08	1.12E-08	1.50E-04	4.72E-08	1.37E-08	1.31E-04	4.14E-08	1.20E-08
4594	495863.09, 3859377.2	1.13E-04	3.58E-08	1.04E-08	1.39E-04	4.38E-08	1.27E-08	1.22E-04	3.84E-08	1.12E-08
4595	496363.09, 3859377.2	1.10E-04	3.49E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
4596	496863.09, 3859377.2	1.00E-04	3.16E-08	9.21E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.88E-09
4597	497363.09, 3859377.2	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	9.99E-09
4598	497863.09, 3859377.2	1.04E-04	3.30E-08	9.59E-09	1.28E-04	4.04E-08	1.17E-08	1.12E-04	3.54E-08	1.03E-08
4599	498363.09, 3859377.2	1.03E-04	3.27E-08	9.50E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.51E-08	1.02E-08
4600	471363.09, 3859877.2	1.98E-05	6.25E-09	1.82E-09	2.43E-05	7.66E-09	2.23E-09	2.13E-05	6.71E-09	1.95E-09
4601	471863.09, 3859877.2	2.09E-05	6.61E-09	1.92E-09	2.57E-05	8.10E-09	2.36E-09	2.25E-05	7.10E-09	2.07E-09
4602	472363.09, 3859877.2	2.21E-05	6.97E-09	2.03E-09	2.70E-05	8.53E-09	2.48E-09	2.37E-05	7.48E-09	2.18E-09
4603	472863.09, 3859877.2	2.36E-05	7.44E-09	2.16E-09	2.89E-05	9.11E-09	2.65E-09	2.53E-05	7.99E-09	2.33E-09
4604	473363.09, 3859877.2	2.52E-05	7.95E-09	2.31E-09	3.09E-05	9.74E-09	2.83E-09	2.71E-05	8.54E-09	2.49E-09
4605	473863.09, 3859877.2	2.69E-05	8.47E-09	2.47E-09	3.29E-05	1.04E-08	3.02E-09	2.88E-05	9.10E-09	2.65E-09
4606	474363.09, 3859877.2	2.72E-05	8.59E-09	2.50E-09	3.33E-05	1.05E-08	3.06E-09	2.92E-05	9.22E-09	2.68E-09
4607	474863.09, 3859877.2	2.55E-05	8.06E-09	2.34E-09	3.13E-05	9.87E-09	2.87E-09	2.74E-05	8.65E-09	2.52E-09
4608	475363.09, 3859877.2	1.69E-05	5.35E-09	1.56E-09	2.08E-05	6.55E-09	1.91E-09	1.82E-05	5.74E-09	1.67E-09
4609	475863.09, 3859877.2	8.29E-06	2.62E-09	7.61E-10	1.01E-05	3.20E-09	9.32E-10	8.90E-06	2.81E-09	8.17E-10
4610	476363.09, 3859877.2	4.86E-06	1.54E-09	4.47E-10	5.96E-06	1.88E-09	5.47E-10	5.22E-06	1.65E-09	4.80E-10
4611	476863.09, 3859877.2	5.75E-06	1.81E-09	5.28E-10	7.04E-06	2.22E-09	6.47E-10	6.18E-06	1.95E-09	5.67E-10
4612	477363.09, 3859877.2	6.29E-06	1.98E-09	5.77E-10	7.70E-06	2.43E-09	7.07E-10	6.75E-06	2.13E-09	6.20E-10
4613	477863.09, 3859877.2	1.23E-05	3.87E-09	1.13E-09	1.50E-05	4.74E-09	1.38E-09	1.32E-05	4.16E-09	1.21E-09
4614	478363.09, 3859877.2	2.32E-05	7.33E-09	2.13E-09	2.85E-05	8.98E-09	2.61E-09	2.50E-05	7.88E-09	2.29E-09
4615	478863.09, 3859877.2	3.70E-05	1.17E-08	3.40E-09	4.54E-05	1.43E-08	4.17E-09	3.98E-05	1.26E-08	3.65E-09
4616	479363.09, 3859877.2	4.98E-05	1.57E-08	4.57E-09	6.10E-05	1.93E-08	5.60E-09	5.35E-05	1.69E-08	4.91E-09
4617	479863.09, 3859877.2	5.80E-05	1.83E-08	5.32E-09	7.10E-05	2.24E-08	6.52E-09	6.23E-05	1.97E-08	5.72E-09
4618	480363.09, 3859877.2	6.44E-05	2.03E-08	5.92E-09	7.89E-05	2.49E-08	7.25E-09	6.92E-05	2.18E-08	6.35E-09
4619	480863.09, 3859877.2	6.99E-05	2.21E-08	6.42E-09	8.57E-05	2.70E-08	7.86E-09	7.51E-05	2.37E-08	6.89E-09
4620	481363.09, 3859877.2	7.60E-05	2.40E-08	6.97E-09	9.30E-05	2.94E-08	8.54E-09	8.15E-05	2.57E-08	7.49E-09
4621	481863.09, 3859877.2	8.21E-05	2.59E-08	7.53E-09	1.01E-04	3.17E-08	9.23E-09	8.81E-05	2.78E-08	8.09E-09
4622	482363.09, 3859877.2	8.81E-05	2.78E-08	8.09E-09	1.08E-04	3.41E-08	9.91E-09	9.46E-05	2.99E-08	8.69E-09
4623	482863.09, 3859877.2	9.49E-05	2.99E-08	8.71E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.22E-08	9.35E-09
4624	483363.09, 3859877.2	1.02E-04	3.20E-08	9.32E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
4625	483863.09, 3859877.2	1.03E-04	3.25E-08	9.44E-09	1.26E-04	3.98E-08	1.16E-08	1.11E-04	3.49E-08	1.01E-08
4626	484363.09, 3859877.2	1.08E-04	3.40E-08	9.90E-09	1.32E-04	4.17E-08	1.21E-08	1.16E-04	3.66E-08	1.06E-08
4627	484863.09, 3859877.2	1.14E-04	3.61E-08	1.05E-08	1.40E-04	4.42E-08	1.29E-08	1.23E-04	3.88E-08	1.13E-08
4628	485363.09, 3859877.2	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.67E-08	1.36E-08	1.30E-04	4.10E-08	1.19E-08
4629	485863.09, 3859877.2	1.27E-04	4.00E-08	1.16E-08	1.55E-04	4.90E-08	1.42E-08	1.36E-04	4.29E-08	1.25E-08
4630	486363.09, 3859877.2	1.31E-04	4.14E-08	1.20E-08	1.61E-04	5.07E-08	1.48E-08	1.41E-04	4.45E-08	1.29E-08
4631	486863.09, 3859877.2	1.36E-04	4.29E-08	1.25E-08	1.66E-04	5.25E-08	1.53E-08	1.46E-04	4.61E-08	1.34E-08
4632	487363.09, 3859877.2	1.38E-04	4.35E-08	1.27E-08	1.69E-04	5.33E-08	1.55E-08	1.48E-04	4.68E-08	1.36E-08

4633	487863.09, 3859877.2	1.47E-04	4.63E-08	1.35E-08	1.80E-04	5.67E-08	1.65E-08	1.58E-04	4.97E-08	1.45E-08
4634	488363.09, 3859877.2	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.02E-08	1.46E-08
4635	488863.09, 3859877.2	1.52E-04	4.80E-08	1.40E-08	1.86E-04	5.88E-08	1.71E-08	1.63E-04	5.16E-08	1.50E-08
4636	489363.09, 3859877.2	1.57E-04	4.94E-08	1.44E-08	1.92E-04	6.05E-08	1.76E-08	1.68E-04	5.31E-08	1.54E-08
4637	489863.09, 3859877.2	1.57E-04	4.97E-08	1.44E-08	1.93E-04	6.08E-08	1.77E-08	1.69E-04	5.33E-08	1.55E-08
4638	490363.09, 3859877.2	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.01E-08	1.46E-08
4639	490863.09, 3859877.2	1.49E-04	4.70E-08	1.37E-08	1.82E-04	5.76E-08	1.67E-08	1.60E-04	5.05E-08	1.47E-08
4640	491363.09, 3859877.2	1.48E-04	4.69E-08	1.36E-08	1.82E-04	5.74E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
4641	491863.09, 3859877.2	1.48E-04	4.69E-08	1.36E-08	1.82E-04	5.74E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
4642	492363.09, 3859877.2	1.47E-04	4.64E-08	1.35E-08	1.80E-04	5.68E-08	1.65E-08	1.58E-04	4.98E-08	1.45E-08
4643	492863.09, 3859877.2	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
4644	493363.09, 3859877.2	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.37E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
4645	493863.09, 3859877.2	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.16E-08	1.50E-08	1.43E-04	4.52E-08	1.31E-08
4646	494363.09, 3859877.2	1.27E-04	4.01E-08	1.17E-08	1.56E-04	4.91E-08	1.43E-08	1.36E-04	4.30E-08	1.25E-08
4647	494863.09, 3859877.2	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.12E-08	1.20E-08
4648	495363.09, 3859877.2	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.24E-04	3.93E-08	1.14E-08
4649	495863.09, 3859877.2	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.26E-08	1.24E-08	1.18E-04	3.73E-08	1.09E-08
4650	496363.09, 3859877.2	1.02E-04	3.23E-08	9.38E-09	1.25E-04	3.95E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
4651	496863.09, 3859877.2	8.24E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.85E-05	2.79E-08	8.12E-09
4652	497363.09, 3859877.2	9.27E-05	2.93E-08	8.51E-09	1.14E-04	3.58E-08	1.04E-08	9.95E-05	3.14E-08	9.14E-09
4653	497863.09, 3859877.2	9.58E-05	3.02E-08	8.80E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.25E-08	9.44E-09
4654	498363.09, 3859877.2	9.25E-05	2.92E-08	8.49E-09	1.13E-04	3.57E-08	1.04E-08	9.92E-05	3.13E-08	9.11E-09
4655	471363.09, 3860377.2	1.99E-05	6.27E-09	1.82E-09	2.43E-05	7.68E-09	2.23E-09	2.13E-05	6.74E-09	1.96E-09
4656	471863.09, 3860377.2	2.10E-05	6.62E-09	1.92E-09	2.57E-05	8.11E-09	2.36E-09	2.25E-05	7.11E-09	2.07E-09
4657	472363.09, 3860377.2	2.23E-05	7.02E-09	2.04E-09	2.73E-05	8.60E-09	2.50E-09	2.39E-05	7.55E-09	2.19E-09
4658	472863.09, 3860377.2	2.37E-05	7.49E-09	2.18E-09	2.91E-05	9.18E-09	2.67E-09	2.55E-05	8.05E-09	2.34E-09
4659	473363.09, 3860377.2	2.52E-05	7.97E-09	2.32E-09	3.09E-05	9.76E-09	2.84E-09	2.71E-05	8.56E-09	2.49E-09
4660	473863.09, 3860377.2	2.67E-05	8.42E-09	2.45E-09	3.27E-05	1.03E-08	3.00E-09	2.87E-05	9.05E-09	2.63E-09
4661	474363.09, 3860377.2	2.78E-05	8.77E-09	2.55E-09	3.40E-05	1.07E-08	3.12E-09	2.98E-05	9.42E-09	2.74E-09
4662	474863.09, 3860377.2	2.82E-05	8.89E-09	2.59E-09	3.45E-05	1.09E-08	3.17E-09	3.03E-05	9.55E-09	2.78E-09
4663	475363.09, 3860377.2	2.65E-05	8.38E-09	2.44E-09	3.25E-05	1.03E-08	2.99E-09	2.85E-05	9.00E-09	2.62E-09
4664	475863.09, 3860377.2	2.33E-05	7.36E-09	2.14E-09	2.85E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
4665	476363.09, 3860377.2	1.87E-05	5.92E-09	1.72E-09	2.30E-05	7.25E-09	2.11E-09	2.01E-05	6.36E-09	1.85E-09
4666	476863.09, 3860377.2	1.71E-05	5.38E-09	1.57E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
4667	477363.09, 3860377.2	9.92E-06	3.13E-09	9.11E-10	1.22E-05	3.84E-09	1.12E-09	1.07E-05	3.36E-09	9.78E-10
4668	477863.09, 3860377.2	1.30E-05	4.10E-09	1.19E-09	1.59E-05	5.03E-09	1.46E-09	1.40E-05	4.41E-09	1.28E-09
4669	478363.09, 3860377.2	2.54E-05	8.01E-09	2.33E-09	3.11E-05	9.82E-09	2.86E-09	2.73E-05	8.61E-09	2.50E-09
4670	478863.09, 3860377.2	3.64E-05	1.15E-08	3.34E-09	4.46E-05	1.41E-08	4.10E-09	3.91E-05	1.23E-08	3.59E-09
4671	479363.09, 3860377.2	4.67E-05	1.48E-08	4.29E-09	5.72E-05	1.81E-08	5.26E-09	5.02E-05	1.58E-08	4.61E-09
4672	479863.09, 3860377.2	5.39E-05	1.70E-08	4.95E-09	6.60E-05	2.08E-08	6.06E-09	5.79E-05	1.83E-08	5.31E-09
4673	480363.09, 3860377.2	5.87E-05	1.85E-08	5.38E-09	7.18E-05	2.27E-08	6.60E-09	6.30E-05	1.99E-08	5.78E-09
4674	480863.09, 3860377.2	6.31E-05	1.99E-08	5.79E-09	7.72E-05	2.44E-08	7.09E-09	6.77E-05	2.14E-08	6.21E-09
4675	481363.09, 3860377.2	6.78E-05	2.14E-08	6.22E-09	8.30E-05	2.62E-08	7.62E-09	7.27E-05	2.30E-08	6.68E-09
4676	481863.09, 3860377.2	7.23E-05	2.28E-08	6.64E-09	8.85E-05	2.79E-08	8.13E-09	7.76E-05	2.45E-08	7.13E-09
4677	482363.09, 3860377.2	7.69E-05	2.43E-08	7.06E-09	9.42E-05	2.97E-08	8.65E-09	8.26E-05	2.61E-08	7.59E-09
4678	482863.09, 3860377.2	8.22E-05	2.59E-08	7.54E-09	1.01E-04	3.18E-08	9.24E-09	8.83E-05	2.79E-08	8.10E-09
4679	483363.09, 3860377.2	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.30E-05	2.94E-08	8.54E-09
4680	483863.09, 3860377.2	9.16E-05	2.89E-08	8.41E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.04E-09
4681	484363.09, 3860377.2	9.20E-05	2.90E-08	8.45E-09	1.13E-04	3.56E-08	1.03E-08	9.89E-05	3.12E-08	9.08E-09
4682	484863.09, 3860377.2	9.57E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.44E-09
4683	485363.09, 3860377.2	9.89E-05	3.12E-08	9.08E-09	1.21E-04	3.82E-08	1.11E-08	1.06E-04	3.35E-08	9.75E-09
4684	485863.09, 3860377.2	1.02E-04	3.22E-08	9.37E-09	1.25E-04	3.94E-08	1.15E-08	1.10E-04	3.46E-08	1.01E-08
4685	486363.09, 3860377.2	1.03E-04	3.26E-08	9.49E-09	1.27E-04	4.00E-08	1.16E-08	1.11E-04	3.50E-08	1.02E-08
4686	486863.09, 3860377.2	1.05E-04	3.30E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
4687	487363.09, 3860377.2	1.05E-04	3.33E-08	9.68E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
4688	487863.09, 3860377.2	1.08E-04	3.42E-08	9.96E-09	1.33E-04	4.19E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
4689	488363.09, 3860377.2	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
4690	488863.09, 3860377.2	1.10E-04	3.48E-08	1.01E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.74E-08	1.09E-08
4691	489363.09, 3860377.2	1.13E-04	3.55E-08	1.03E-08	1.38E-04	4.35E-08	1.27E-08	1.21E-04	3.82E-08	1.11E-08
4692	489863.09, 3860377.2	1.16E-04	3.65E-08	1.06E-08	1.42E-04	4.47E-08	1.30E-08	1.24E-04	3.92E-08	1.14E-08
4693	490363.09, 3860377.2	1.15E-04	3.64E-08	1.06E-08	1.41E-04	4.46E-08	1.30E-08	1.24E-04	3.91E-08	1.14E-08

4694	490863.09, 3860377.2	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
4695	491363.09, 3860377.2	1.05E-04	3.30E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
4696	491863.09, 3860377.2	1.06E-04	3.33E-08	9.69E-09	1.29E-04	4.08E-08	1.19E-08	1.13E-04	3.58E-08	1.04E-08
4697	492363.09, 3860377.2	1.09E-04	3.44E-08	1.00E-08	1.33E-04	4.21E-08	1.23E-08	1.17E-04	3.69E-08	1.07E-08
4698	492863.09, 3860377.2	1.10E-04	3.46E-08	1.01E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
4699	493363.09, 3860377.2	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
4700	493863.09, 3860377.2	1.09E-04	3.43E-08	9.98E-09	1.33E-04	4.20E-08	1.22E-08	1.17E-04	3.68E-08	1.07E-08
4701	494363.09, 3860377.2	1.07E-04	3.37E-08	9.80E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
4702	494863.09, 3860377.2	1.03E-04	3.25E-08	9.45E-09	1.26E-04	3.98E-08	1.16E-08	1.11E-04	3.49E-08	1.01E-08
4703	495363.09, 3860377.2	9.99E-05	3.15E-08	9.17E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.84E-09
4704	495863.09, 3860377.2	9.64E-05	3.04E-08	8.85E-09	1.18E-04	3.73E-08	1.08E-08	1.03E-04	3.27E-08	9.50E-09
4705	496363.09, 3860377.2	9.18E-05	2.90E-08	8.43E-09	1.12E-04	3.55E-08	1.03E-08	9.85E-05	3.11E-08	9.05E-09
4706	496863.09, 3860377.2	8.65E-05	2.73E-08	7.94E-09	1.06E-04	3.34E-08	9.73E-09	9.29E-05	2.93E-08	8.52E-09
4707	497363.09, 3860377.2	7.95E-05	2.51E-08	7.30E-09	9.74E-05	3.07E-08	8.94E-09	8.53E-05	2.69E-08	7.84E-09
4708	497863.09, 3860377.2	8.33E-05	2.63E-08	7.65E-09	1.02E-04	3.22E-08	9.37E-09	8.94E-05	2.82E-08	8.21E-09
4709	498363.09, 3860377.2	8.17E-05	2.58E-08	7.50E-09	1.00E-04	3.16E-08	9.19E-09	8.77E-05	2.77E-08	8.05E-09
4710	471363.09, 3860877.2	1.99E-05	6.29E-09	1.83E-09	2.44E-05	7.71E-09	2.24E-09	2.14E-05	6.76E-09	1.97E-09
4711	471863.09, 3860877.2	2.11E-05	6.65E-09	1.94E-09	2.58E-05	8.15E-09	2.37E-09	2.26E-05	7.15E-09	2.08E-09
4712	472363.09, 3860877.2	2.23E-05	7.03E-09	2.04E-09	2.73E-05	8.61E-09	2.50E-09	2.39E-05	7.55E-09	2.20E-09
4713	472863.09, 3860877.2	2.35E-05	7.43E-09	2.16E-09	2.88E-05	9.10E-09	2.65E-09	2.53E-05	7.98E-09	2.32E-09
4714	473363.09, 3860877.2	2.48E-05	7.82E-09	2.27E-09	3.03E-05	9.58E-09	2.79E-09	2.66E-05	8.40E-09	2.44E-09
4715	473863.09, 3860877.2	2.59E-05	8.18E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.78E-09	2.56E-09
4716	474363.09, 3860877.2	2.71E-05	8.54E-09	2.48E-09	3.31E-05	1.05E-08	3.04E-09	2.91E-05	9.17E-09	2.67E-09
4717	474863.09, 3860877.2	2.83E-05	8.94E-09	2.60E-09	3.47E-05	1.09E-08	3.18E-09	3.04E-05	9.61E-09	2.79E-09
4718	475363.09, 3860877.2	2.91E-05	9.20E-09	2.68E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.89E-09	2.88E-09
4719	475863.09, 3860877.2	2.93E-05	9.23E-09	2.69E-09	3.58E-05	1.13E-08	3.29E-09	3.14E-05	9.92E-09	2.89E-09
4720	476363.09, 3860877.2	2.81E-05	8.86E-09	2.58E-09	3.44E-05	1.08E-08	3.16E-09	3.01E-05	9.51E-09	2.77E-09
4721	476863.09, 3860877.2	2.78E-05	8.78E-09	2.55E-09	3.41E-05	1.08E-08	3.13E-09	2.99E-05	9.43E-09	2.74E-09
4722	477363.09, 3860877.2	2.90E-05	9.15E-09	2.66E-09	3.55E-05	1.12E-08	3.26E-09	3.11E-05	9.83E-09	2.86E-09
4723	477863.09, 3860877.2	2.61E-05	8.22E-09	2.39E-09	3.19E-05	1.01E-08	2.93E-09	2.80E-05	8.83E-09	2.57E-09
4724	478363.09, 3860877.2	1.58E-05	4.98E-09	1.45E-09	1.93E-05	6.10E-09	1.77E-09	1.70E-05	5.35E-09	1.56E-09
4725	478863.09, 3860877.2	3.36E-05	1.06E-08	3.09E-09	4.12E-05	1.30E-08	3.78E-09	3.61E-05	1.14E-08	3.32E-09
4726	479363.09, 3860877.2	4.37E-05	1.38E-08	4.01E-09	5.35E-05	1.69E-08	4.92E-09	4.69E-05	1.48E-08	4.31E-09
4727	479863.09, 3860877.2	4.95E-05	1.56E-08	4.54E-09	6.06E-05	1.91E-08	5.56E-09	5.31E-05	1.68E-08	4.88E-09
4728	480363.09, 3860877.2	5.33E-05	1.68E-08	4.89E-09	6.53E-05	2.06E-08	5.99E-09	5.72E-05	1.81E-08	5.25E-09
4729	480863.09, 3860877.2	5.70E-05	1.80E-08	5.23E-09	6.98E-05	2.20E-08	6.41E-09	6.12E-05	1.93E-08	5.62E-09
4730	481363.09, 3860877.2	6.05E-05	1.91E-08	5.56E-09	7.42E-05	2.34E-08	6.81E-09	6.50E-05	2.05E-08	5.97E-09
4731	481863.09, 3860877.2	6.40E-05	2.02E-08	5.87E-09	7.84E-05	2.47E-08	7.19E-09	6.87E-05	2.17E-08	6.31E-09
4732	482363.09, 3860877.2	6.75E-05	2.13E-08	6.19E-09	8.26E-05	2.61E-08	7.59E-09	7.25E-05	2.29E-08	6.65E-09
4733	482863.09, 3860877.2	7.16E-05	2.26E-08	6.58E-09	8.77E-05	2.77E-08	8.05E-09	7.70E-05	2.43E-08	7.06E-09
4734	483363.09, 3860877.2	7.54E-05	2.38E-08	6.93E-09	9.24E-05	2.92E-08	8.48E-09	8.11E-05	2.56E-08	7.44E-09
4735	483863.09, 3860877.2	7.89E-05	2.49E-08	7.24E-09	9.66E-05	3.05E-08	8.87E-09	8.48E-05	2.68E-08	7.78E-09
4736	484363.09, 3860877.2	8.06E-05	2.54E-08	7.40E-09	9.87E-05	3.12E-08	9.06E-09	8.66E-05	2.73E-08	7.95E-09
4737	484863.09, 3860877.2	8.04E-05	2.54E-08	7.38E-09	9.85E-05	3.11E-08	9.04E-09	8.64E-05	2.73E-08	7.93E-09
4738	485363.09, 3860877.2	8.25E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.86E-05	2.79E-08	8.13E-09
4739	485863.09, 3860877.2	8.52E-05	2.69E-08	7.82E-09	1.04E-04	3.29E-08	9.58E-09	9.15E-05	2.89E-08	8.40E-09
4740	486363.09, 3860877.2	8.49E-05	2.68E-08	7.80E-09	1.04E-04	3.28E-08	9.55E-09	9.12E-05	2.88E-08	8.37E-09
4741	486863.09, 3860877.2	8.51E-05	2.69E-08	7.81E-09	1.04E-04	3.29E-08	9.57E-09	9.14E-05	2.89E-08	8.39E-09
4742	487363.09, 3860877.2	8.47E-05	2.67E-08	7.77E-09	1.04E-04	3.27E-08	9.52E-09	9.10E-05	2.87E-08	8.35E-09
4743	487863.09, 3860877.2	8.44E-05	2.66E-08	7.74E-09	1.03E-04	3.26E-08	9.48E-09	9.06E-05	2.86E-08	8.32E-09
4744	488363.09, 3860877.2	8.72E-05	2.75E-08	8.01E-09	1.07E-04	3.37E-08	9.80E-09	9.37E-05	2.96E-08	8.60E-09
4745	488863.09, 3860877.2	8.56E-05	2.70E-08	7.85E-09	1.05E-04	3.31E-08	9.62E-09	9.19E-05	2.90E-08	8.44E-09
4746	489363.09, 3860877.2	8.87E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.53E-05	3.01E-08	8.75E-09
4747	489863.09, 3860877.2	8.76E-05	2.77E-08	8.05E-09	1.07E-04	3.39E-08	9.85E-09	9.41E-05	2.97E-08	8.64E-09
4748	490363.09, 3860877.2	8.92E-05	2.81E-08	8.19E-09	1.09E-04	3.45E-08	1.00E-08	9.58E-05	3.02E-08	8.79E-09
4749	490863.09, 3860877.2	8.99E-05	2.84E-08	8.25E-09	1.10E-04	3.48E-08	1.01E-08	9.65E-05	3.05E-08	8.86E-09
4750	491363.09, 3860877.2	8.61E-05	2.72E-08	7.91E-09	1.06E-04	3.33E-08	9.69E-09	9.25E-05	2.92E-08	8.49E-09
4751	491863.09, 3860877.2	8.24E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.27E-09	8.85E-05	2.79E-08	8.13E-09
4752	492363.09, 3860877.2	8.01E-05	2.53E-08	7.36E-09	9.81E-05	3.10E-08	9.01E-09	8.60E-05	2.72E-08	7.90E-09
4753	492863.09, 3860877.2	8.17E-05	2.58E-08	7.50E-09	1.00E-04	3.16E-08	9.19E-09	8.77E-05	2.77E-08	8.05E-09
4754	493363.09, 3860877.2	8.48E-05	2.68E-08	7.78E-09	1.04E-04	3.28E-08	9.53E-09	9.10E-05	2.87E-08	8.36E-09

4755	493863.09, 3860877.2	8.55E-05	2.70E-08	7.85E-09	1.05E-04	3.31E-08	9.62E-09	9.18E-05	2.90E-08	8.43E-09
4756	494363.09, 3860877.2	8.57E-05	2.70E-08	7.87E-09	1.05E-04	3.31E-08	9.63E-09	9.20E-05	2.90E-08	8.44E-09
4757	494863.09, 3860877.2	8.54E-05	2.70E-08	7.84E-09	1.05E-04	3.30E-08	9.60E-09	9.17E-05	2.89E-08	8.42E-09
4758	495363.09, 3860877.2	8.42E-05	2.66E-08	7.73E-09	1.03E-04	3.25E-08	9.47E-09	9.04E-05	2.85E-08	8.30E-09
4759	495863.09, 3860877.2	8.19E-05	2.59E-08	7.52E-09	1.00E-04	3.17E-08	9.21E-09	8.79E-05	2.78E-08	8.07E-09
4760	496363.09, 3860877.2	8.05E-05	2.54E-08	7.39E-09	9.86E-05	3.11E-08	9.05E-09	8.64E-05	2.73E-08	7.94E-09
4761	496863.09, 3860877.2	7.85E-05	2.48E-08	7.21E-09	9.62E-05	3.04E-08	8.83E-09	8.43E-05	2.66E-08	7.74E-09
4762	497363.09, 3860877.2	7.62E-05	2.41E-08	7.00E-09	9.34E-05	2.95E-08	8.57E-09	8.18E-05	2.58E-08	7.51E-09
4763	497863.09, 3860877.2	7.41E-05	2.34E-08	6.80E-09	9.07E-05	2.86E-08	8.33E-09	7.95E-05	2.51E-08	7.30E-09
4764	498363.09, 3860877.2	7.19E-05	2.27E-08	6.61E-09	8.81E-05	2.78E-08	8.09E-09	7.72E-05	2.44E-08	7.09E-09
4765	471363.09, 3861377.2	1.99E-05	6.27E-09	1.82E-09	2.43E-05	7.68E-09	2.23E-09	2.13E-05	6.73E-09	1.96E-09
4766	471863.09, 3861377.2	2.09E-05	6.60E-09	1.92E-09	2.56E-05	8.08E-09	2.35E-09	2.24E-05	7.08E-09	2.06E-09
4767	472363.09, 3861377.2	2.19E-05	6.92E-09	2.01E-09	2.68E-05	8.47E-09	2.46E-09	2.35E-05	7.43E-09	2.16E-09
4768	472863.09, 3861377.2	2.30E-05	7.25E-09	2.11E-09	2.81E-05	8.88E-09	2.58E-09	2.47E-05	7.79E-09	2.26E-09
4769	473363.09, 3861377.2	2.40E-05	7.56E-09	2.20E-09	2.93E-05	9.26E-09	2.69E-09	2.57E-05	8.12E-09	2.36E-09
4770	473863.09, 3861377.2	2.49E-05	7.87E-09	2.29E-09	3.06E-05	9.64E-09	2.81E-09	2.68E-05	8.46E-09	2.46E-09
4771	474363.09, 3861377.2	2.61E-05	8.25E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.81E-05	8.86E-09	2.58E-09
4772	474863.09, 3861377.2	2.73E-05	8.63E-09	2.51E-09	3.35E-05	1.06E-08	3.07E-09	2.94E-05	9.27E-09	2.70E-09
4773	475363.09, 3861377.2	2.87E-05	9.06E-09	2.64E-09	3.52E-05	1.11E-08	3.23E-09	3.08E-05	9.73E-09	2.83E-09
4774	475863.09, 3861377.2	2.99E-05	9.43E-09	2.74E-09	3.66E-05	1.16E-08	3.36E-09	3.21E-05	1.01E-08	2.95E-09
4775	476363.09, 3861377.2	3.08E-05	9.71E-09	2.82E-09	3.77E-05	1.19E-08	3.46E-09	3.30E-05	1.04E-08	3.03E-09
4776	476863.09, 3861377.2	3.16E-05	9.98E-09	2.90E-09	3.87E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
4777	477363.09, 3861377.2	3.25E-05	1.03E-08	2.98E-09	3.98E-05	1.26E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
4778	477863.09, 3861377.2	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
4779	478363.09, 3861377.2	1.94E-05	6.11E-09	1.78E-09	2.37E-05	7.48E-09	2.18E-09	2.08E-05	6.56E-09	1.91E-09
4780	478863.09, 3861377.2	2.44E-05	7.71E-09	2.24E-09	2.99E-05	9.45E-09	2.75E-09	2.62E-05	8.28E-09	2.41E-09
4781	479363.09, 3861377.2	3.96E-05	1.25E-08	3.63E-09	4.85E-05	1.53E-08	4.45E-09	4.25E-05	1.34E-08	3.90E-09
4782	479863.09, 3861377.2	4.52E-05	1.43E-08	4.15E-09	5.53E-05	1.75E-08	5.08E-09	4.85E-05	1.53E-08	4.45E-09
4783	480363.09, 3861377.2	4.87E-05	1.54E-08	4.47E-09	5.96E-05	1.88E-08	5.47E-09	5.23E-05	1.65E-08	4.80E-09
4784	480863.09, 3861377.2	5.14E-05	1.62E-08	4.72E-09	6.29E-05	1.99E-08	5.78E-09	5.52E-05	1.74E-08	5.06E-09
4785	481363.09, 3861377.2	5.40E-05	1.70E-08	4.96E-09	6.62E-05	2.09E-08	6.07E-09	5.80E-05	1.83E-08	5.33E-09
4786	481863.09, 3861377.2	5.68E-05	1.79E-08	5.21E-09	6.95E-05	2.19E-08	6.38E-09	6.10E-05	1.92E-08	5.60E-09
4787	482363.09, 3861377.2	5.99E-05	1.89E-08	5.50E-09	7.33E-05	2.31E-08	6.73E-09	6.43E-05	2.03E-08	5.90E-09
4788	482863.09, 3861377.2	6.30E-05	1.99E-08	5.79E-09	7.72E-05	2.44E-08	7.09E-09	6.77E-05	2.14E-08	6.22E-09
4789	483363.09, 3861377.2	6.58E-05	2.08E-08	6.04E-09	8.05E-05	2.54E-08	7.39E-09	7.07E-05	2.23E-08	6.49E-09
4790	483863.09, 3861377.2	6.81E-05	2.15E-08	6.25E-09	8.33E-05	2.63E-08	7.65E-09	7.31E-05	2.31E-08	6.71E-09
4791	484363.09, 3861377.2	7.05E-05	2.22E-08	6.47E-09	8.63E-05	2.72E-08	7.92E-09	7.57E-05	2.39E-08	6.95E-09
4792	484863.09, 3861377.2	7.02E-05	2.21E-08	6.44E-09	8.59E-05	2.71E-08	7.89E-09	7.54E-05	2.38E-08	6.92E-09
4793	485363.09, 3861377.2	6.98E-05	2.20E-08	6.41E-09	8.55E-05	2.70E-08	7.85E-09	7.50E-05	2.37E-08	6.88E-09
4794	485863.09, 3861377.2	7.09E-05	2.24E-08	6.51E-09	8.68E-05	2.74E-08	7.97E-09	7.61E-05	2.40E-08	6.99E-09
4795	486363.09, 3861377.2	7.13E-05	2.25E-08	6.55E-09	8.74E-05	2.76E-08	8.02E-09	7.66E-05	2.42E-08	7.03E-09
4796	486863.09, 3861377.2	7.12E-05	2.25E-08	6.53E-09	8.72E-05	2.75E-08	8.00E-09	7.65E-05	2.41E-08	7.02E-09
4797	487363.09, 3861377.2	7.02E-05	2.22E-08	6.44E-09	8.60E-05	2.71E-08	7.89E-09	7.54E-05	2.38E-08	6.93E-09
4798	487863.09, 3861377.2	6.97E-05	2.20E-08	6.40E-09	8.54E-05	2.70E-08	7.84E-09	7.49E-05	2.37E-08	6.88E-09
4799	488363.09, 3861377.2	6.93E-05	2.19E-08	6.36E-09	8.48E-05	2.68E-08	7.79E-09	7.44E-05	2.35E-08	6.83E-09
4800	488863.09, 3861377.2	6.94E-05	2.19E-08	6.37E-09	8.49E-05	2.68E-08	7.80E-09	7.45E-05	2.35E-08	6.84E-09
4801	489363.09, 3861377.2	6.99E-05	2.21E-08	6.42E-09	8.56E-05	2.70E-08	7.86E-09	7.51E-05	2.37E-08	6.89E-09
4802	489863.09, 3861377.2	7.11E-05	2.24E-08	6.52E-09	8.70E-05	2.75E-08	7.99E-09	7.63E-05	2.41E-08	7.01E-09
4803	490363.09, 3861377.2	7.15E-05	2.26E-08	6.57E-09	8.76E-05	2.77E-08	8.04E-09	7.68E-05	2.42E-08	7.05E-09
4804	490863.09, 3861377.2	7.22E-05	2.28E-08	6.62E-09	8.84E-05	2.79E-08	8.11E-09	7.75E-05	2.45E-08	7.11E-09
4805	491363.09, 3861377.2	7.29E-05	2.30E-08	6.70E-09	8.93E-05	2.82E-08	8.20E-09	7.83E-05	2.47E-08	7.19E-09
4806	491863.09, 3861377.2	7.07E-05	2.23E-08	6.49E-09	8.66E-05	2.73E-08	7.95E-09	7.60E-05	2.40E-08	6.97E-09
4807	492363.09, 3861377.2	6.74E-05	2.13E-08	6.18E-09	8.25E-05	2.60E-08	7.57E-09	7.23E-05	2.28E-08	6.64E-09
4808	492863.09, 3861377.2	6.55E-05	2.07E-08	6.01E-09	8.02E-05	2.53E-08	7.37E-09	7.03E-05	2.22E-08	6.46E-09
4809	493363.09, 3861377.2	6.57E-05	2.07E-08	6.03E-09	8.05E-05	2.54E-08	7.39E-09	7.06E-05	2.23E-08	6.48E-09
4810	493863.09, 3861377.2	6.66E-05	2.10E-08	6.12E-09	8.16E-05	2.58E-08	7.49E-09	7.15E-05	2.26E-08	6.57E-09
4811	494363.09, 3861377.2	6.78E-05	2.14E-08	6.22E-09	8.30E-05	2.62E-08	7.62E-09	7.27E-05	2.30E-08	6.68E-09
4812	494863.09, 3861377.2	6.87E-05	2.17E-08	6.31E-09	8.41E-05	2.66E-08	7.72E-09	7.38E-05	2.33E-08	6.77E-09
4813	495363.09, 3861377.2	6.89E-05	2.17E-08	6.32E-09	8.43E-05	2.66E-08	7.74E-09	7.39E-05	2.33E-08	6.79E-09
4814	495863.09, 3861377.2	6.80E-05	2.15E-08	6.25E-09	8.33E-05	2.63E-08	7.65E-09	7.30E-05	2.31E-08	6.70E-09
4815	496363.09, 3861377.2	6.79E-05	2.14E-08	6.23E-09	8.31E-05	2.62E-08	7.63E-09	7.29E-05	2.30E-08	6.69E-09

4816	496863.09, 3861377.2	6.79E-05	2.14E-08	6.24E-09	8.32E-05	2.63E-08	7.64E-09	7.29E-05	2.30E-08	6.69E-09
4817	497363.09, 3861377.2	6.64E-05	2.10E-08	6.10E-09	8.14E-05	2.57E-08	7.47E-09	7.13E-05	2.25E-08	6.55E-09
4818	497863.09, 3861377.2	6.48E-05	2.05E-08	5.95E-09	7.94E-05	2.51E-08	7.29E-09	6.96E-05	2.20E-08	6.39E-09
4819	498363.09, 3861377.2	6.33E-05	2.00E-08	5.81E-09	7.76E-05	2.45E-08	7.12E-09	6.80E-05	2.15E-08	6.24E-09
4820	471363.09, 3861877.2	1.96E-05	6.19E-09	1.80E-09	2.40E-05	7.59E-09	2.21E-09	2.11E-05	6.65E-09	1.93E-09
4821	471863.09, 3861877.2	2.04E-05	6.45E-09	1.88E-09	2.50E-05	7.90E-09	2.30E-09	2.20E-05	6.93E-09	2.02E-09
4822	472363.09, 3861877.2	2.13E-05	6.71E-09	1.95E-09	2.60E-05	8.22E-09	2.39E-09	2.28E-05	7.21E-09	2.10E-09
4823	472863.09, 3861877.2	2.21E-05	6.98E-09	2.03E-09	2.71E-05	8.55E-09	2.49E-09	2.38E-05	7.50E-09	2.18E-09
4824	473363.09, 3861877.2	2.30E-05	7.26E-09	2.11E-09	2.82E-05	8.89E-09	2.59E-09	2.47E-05	7.80E-09	2.27E-09
4825	473863.09, 3861877.2	2.40E-05	7.57E-09	2.20E-09	2.94E-05	9.27E-09	2.70E-09	2.58E-05	8.13E-09	2.36E-09
4826	474363.09, 3861877.2	2.50E-05	7.90E-09	2.30E-09	3.07E-05	9.68E-09	2.82E-09	2.69E-05	8.49E-09	2.47E-09
4827	474863.09, 3861877.2	2.62E-05	8.26E-09	2.40E-09	3.21E-05	1.01E-08	2.94E-09	2.81E-05	8.87E-09	2.58E-09
4828	475363.09, 3861877.2	2.73E-05	8.63E-09	2.51E-09	3.35E-05	1.06E-08	3.07E-09	2.94E-05	9.27E-09	2.70E-09
4829	475863.09, 3861877.2	2.86E-05	9.02E-09	2.62E-09	3.50E-05	1.10E-08	3.21E-09	3.07E-05	9.69E-09	2.82E-09
4830	476363.09, 3861877.2	2.98E-05	9.41E-09	2.74E-09	3.65E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.94E-09
4831	476863.09, 3861877.2	3.08E-05	9.72E-09	2.83E-09	3.77E-05	1.19E-08	3.46E-09	3.31E-05	1.04E-08	3.04E-09
4832	477363.09, 3861877.2	3.17E-05	1.00E-08	2.91E-09	3.88E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
4833	477863.09, 3861877.2	2.88E-05	9.09E-09	2.64E-09	3.53E-05	1.11E-08	3.24E-09	3.09E-05	9.76E-09	2.84E-09
4834	478363.09, 3861877.2	1.59E-05	5.02E-09	1.46E-09	1.95E-05	6.15E-09	1.79E-09	1.71E-05	5.39E-09	1.57E-09
4835	478863.09, 3861877.2	2.64E-05	8.34E-09	2.43E-09	3.24E-05	1.02E-08	2.97E-09	2.84E-05	8.95E-09	2.60E-09
4836	479363.09, 3861877.2	2.48E-05	7.81E-09	2.27E-09	3.03E-05	9.57E-09	2.78E-09	2.66E-05	8.39E-09	2.44E-09
4837	479863.09, 3861877.2	4.11E-05	1.30E-08	3.77E-09	5.03E-05	1.59E-08	4.62E-09	4.41E-05	1.39E-08	4.05E-09
4838	480363.09, 3861877.2	4.42E-05	1.39E-08	4.06E-09	5.41E-05	1.71E-08	4.97E-09	4.75E-05	1.50E-08	4.36E-09
4839	480863.09, 3861877.2	4.65E-05	1.47E-08	4.27E-09	5.69E-05	1.80E-08	5.23E-09	4.99E-05	1.58E-08	4.58E-09
4840	481363.09, 3861877.2	4.86E-05	1.54E-08	4.47E-09	5.96E-05	1.88E-08	5.47E-09	5.23E-05	1.65E-08	4.80E-09
4841	481863.09, 3861877.2	5.09E-05	1.61E-08	4.67E-09	6.24E-05	1.97E-08	5.73E-09	5.47E-05	1.73E-08	5.02E-09
4842	482363.09, 3861877.2	5.35E-05	1.69E-08	4.91E-09	6.55E-05	2.07E-08	6.01E-09	5.74E-05	1.81E-08	5.27E-09
4843	482863.09, 3861877.2	5.59E-05	1.77E-08	5.13E-09	6.85E-05	2.16E-08	6.29E-09	6.01E-05	1.90E-08	5.52E-09
4844	483363.09, 3861877.2	5.78E-05	1.82E-08	5.31E-09	7.08E-05	2.24E-08	6.50E-09	6.21E-05	1.96E-08	5.70E-09
4845	483863.09, 3861877.2	5.96E-05	1.88E-08	5.47E-09	7.30E-05	2.30E-08	6.70E-09	6.40E-05	2.02E-08	5.88E-09
4846	484363.09, 3861877.2	6.06E-05	1.91E-08	5.56E-09	7.42E-05	2.34E-08	6.81E-09	6.51E-05	2.05E-08	5.98E-09
4847	484863.09, 3861877.2	6.16E-05	1.94E-08	5.65E-09	7.54E-05	2.38E-08	6.92E-09	6.61E-05	2.09E-08	6.07E-09
4848	485363.09, 3861877.2	6.12E-05	1.93E-08	5.61E-09	7.49E-05	2.36E-08	6.88E-09	6.57E-05	2.07E-08	6.03E-09
4849	485863.09, 3861877.2	6.05E-05	1.91E-08	5.56E-09	7.41E-05	2.34E-08	6.81E-09	6.50E-05	2.05E-08	5.97E-09
4850	486363.09, 3861877.2	6.09E-05	1.92E-08	5.59E-09	7.46E-05	2.35E-08	6.85E-09	6.54E-05	2.06E-08	6.01E-09
4851	486863.09, 3861877.2	6.05E-05	1.91E-08	5.56E-09	7.41E-05	2.34E-08	6.80E-09	6.50E-05	2.05E-08	5.97E-09
4852	487363.09, 3861877.2	5.98E-05	1.89E-08	5.49E-09	7.32E-05	2.31E-08	6.72E-09	6.42E-05	2.03E-08	5.90E-09
4853	487863.09, 3861877.2	5.91E-05	1.87E-08	5.43E-09	7.24E-05	2.28E-08	6.65E-09	6.35E-05	2.00E-08	5.83E-09
4854	488363.09, 3861877.2	5.87E-05	1.85E-08	5.39E-09	7.19E-05	2.27E-08	6.60E-09	6.30E-05	1.99E-08	5.79E-09
4855	488863.09, 3861877.2	5.82E-05	1.84E-08	5.34E-09	7.13E-05	2.25E-08	6.55E-09	6.25E-05	1.97E-08	5.74E-09
4856	489363.09, 3861877.2	5.80E-05	1.83E-08	5.33E-09	7.10E-05	2.24E-08	6.52E-09	6.23E-05	1.97E-08	5.72E-09
4857	489863.09, 3861877.2	5.88E-05	1.86E-08	5.40E-09	7.21E-05	2.27E-08	6.62E-09	6.32E-05	1.99E-08	5.80E-09
4858	490363.09, 3861877.2	5.90E-05	1.86E-08	5.42E-09	7.23E-05	2.28E-08	6.64E-09	6.34E-05	2.00E-08	5.82E-09
4859	490863.09, 3861877.2	5.94E-05	1.87E-08	5.45E-09	7.27E-05	2.30E-08	6.68E-09	6.38E-05	2.01E-08	5.85E-09
4860	491363.09, 3861877.2	6.01E-05	1.90E-08	5.52E-09	7.36E-05	2.32E-08	6.76E-09	6.46E-05	2.04E-08	5.93E-09
4861	491863.09, 3861877.2	6.12E-05	1.93E-08	5.62E-09	7.50E-05	2.37E-08	6.88E-09	6.57E-05	2.08E-08	6.04E-09
4862	492363.09, 3861877.2	5.94E-05	1.88E-08	5.46E-09	7.28E-05	2.30E-08	6.68E-09	6.38E-05	2.01E-08	5.86E-09
4863	492863.09, 3861877.2	5.67E-05	1.79E-08	5.21E-09	6.94E-05	2.19E-08	6.38E-09	6.09E-05	1.92E-08	5.59E-09
4864	493363.09, 3861877.2	5.48E-05	1.73E-08	5.03E-09	6.72E-05	2.12E-08	6.17E-09	5.89E-05	1.86E-08	5.41E-09
4865	493863.09, 3861877.2	5.43E-05	1.71E-08	4.98E-09	6.65E-05	2.10E-08	6.10E-09	5.83E-05	1.84E-08	5.35E-09
4866	494363.09, 3861877.2	5.47E-05	1.73E-08	5.02E-09	6.70E-05	2.11E-08	6.15E-09	5.87E-05	1.85E-08	5.39E-09
4867	494863.09, 3861877.2	5.58E-05	1.76E-08	5.13E-09	6.84E-05	2.16E-08	6.28E-09	5.99E-05	1.89E-08	5.50E-09
4868	495363.09, 3861877.2	5.67E-05	1.79E-08	5.21E-09	6.95E-05	2.19E-08	6.38E-09	6.09E-05	1.92E-08	5.59E-09
4869	495863.09, 3861877.2	5.73E-05	1.81E-08	5.26E-09	7.01E-05	2.21E-08	6.44E-09	6.15E-05	1.94E-08	5.64E-09
4870	496363.09, 3861877.2	5.75E-05	1.82E-08	5.28E-09	7.05E-05	2.22E-08	6.47E-09	6.18E-05	1.95E-08	5.67E-09
4871	496863.09, 3861877.2	6.06E-05	1.91E-08	5.57E-09	7.43E-05	2.34E-08	6.82E-09	6.51E-05	2.05E-08	5.98E-09
4872	497363.09, 3861877.2	5.77E-05	1.82E-08	5.29E-09	7.06E-05	2.23E-08	6.48E-09	6.19E-05	1.95E-08	5.68E-09
4873	497863.09, 3861877.2	5.59E-05	1.76E-08	5.13E-09	6.85E-05	2.16E-08	6.29E-09	6.00E-05	1.89E-08	5.51E-09
4874	498363.09, 3861877.2	5.45E-05	1.72E-08	5.01E-09	6.68E-05	2.11E-08	6.13E-09	5.85E-05	1.85E-08	5.37E-09
4875	471363.09, 3862377.2	1.91E-05	6.01E-09	1.75E-09	2.33E-05	7.36E-09	2.14E-09	2.05E-05	6.46E-09	1.88E-09
4876	471863.09, 3862377.2	1.97E-05	6.23E-09	1.81E-09	2.42E-05	7.63E-09	2.22E-09	2.12E-05	6.69E-09	1.95E-09

4877	472363.09, 3862377.2	2.04E-05	6.45E-09	1.88E-09	2.50E-05	7.90E-09	2.30E-09	2.20E-05	6.93E-09	2.02E-09
4878	472863.09, 3862377.2	2.12E-05	6.69E-09	1.95E-09	2.60E-05	8.20E-09	2.38E-09	2.28E-05	7.19E-09	2.09E-09
4879	473363.09, 3862377.2	2.20E-05	6.95E-09	2.02E-09	2.70E-05	8.51E-09	2.48E-09	2.37E-05	7.47E-09	2.17E-09
4880	473863.09, 3862377.2	2.29E-05	7.23E-09	2.10E-09	2.81E-05	8.86E-09	2.58E-09	2.46E-05	7.77E-09	2.26E-09
4881	474363.09, 3862377.2	2.39E-05	7.53E-09	2.19E-09	2.92E-05	9.23E-09	2.68E-09	2.56E-05	8.09E-09	2.35E-09
4882	474863.09, 3862377.2	2.48E-05	7.83E-09	2.28E-09	3.04E-05	9.59E-09	2.79E-09	2.67E-05	8.41E-09	2.45E-09
4883	475363.09, 3862377.2	2.59E-05	8.17E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.77E-09	2.55E-09
4884	475863.09, 3862377.2	2.69E-05	8.49E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.12E-09	2.65E-09
4885	476363.09, 3862377.2	2.80E-05	8.83E-09	2.57E-09	3.43E-05	1.08E-08	3.14E-09	3.00E-05	9.48E-09	2.76E-09
4886	476863.09, 3862377.2	2.91E-05	9.17E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.86E-09
4887	477363.09, 3862377.2	3.03E-05	9.55E-09	2.78E-09	3.71E-05	1.17E-08	3.40E-09	3.25E-05	1.03E-08	2.98E-09
4888	477863.09, 3862377.2	2.91E-05	9.19E-09	2.67E-09	3.57E-05	1.13E-08	3.28E-09	3.13E-05	9.87E-09	2.87E-09
4889	478363.09, 3862377.2	2.61E-05	8.25E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.81E-05	8.85E-09	2.58E-09
4890	478863.09, 3862377.2	2.76E-05	8.71E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.96E-05	9.36E-09	2.72E-09
4891	479363.09, 3862377.2	3.17E-05	1.00E-08	2.91E-09	3.88E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
4892	479863.09, 3862377.2	3.81E-05	1.20E-08	3.50E-09	4.67E-05	1.47E-08	4.29E-09	4.09E-05	1.29E-08	3.76E-09
4893	480363.09, 3862377.2	4.04E-05	1.28E-08	3.71E-09	4.95E-05	1.56E-08	4.55E-09	4.34E-05	1.37E-08	3.99E-09
4894	480863.09, 3862377.2	4.23E-05	1.33E-08	3.88E-09	5.18E-05	1.63E-08	4.75E-09	4.54E-05	1.43E-08	4.17E-09
4895	481363.09, 3862377.2	4.40E-05	1.39E-08	4.04E-09	5.39E-05	1.70E-08	4.95E-09	4.73E-05	1.49E-08	4.34E-09
4896	481863.09, 3862377.2	4.57E-05	1.44E-08	4.20E-09	5.60E-05	1.77E-08	5.14E-09	4.91E-05	1.55E-08	4.51E-09
4897	482363.09, 3862377.2	4.78E-05	1.51E-08	4.39E-09	5.85E-05	1.85E-08	5.37E-09	5.13E-05	1.62E-08	4.71E-09
4898	482863.09, 3862377.2	4.97E-05	1.57E-08	4.56E-09	6.09E-05	1.92E-08	5.59E-09	5.34E-05	1.69E-08	4.90E-09
4899	483363.09, 3862377.2	5.14E-05	1.62E-08	4.72E-09	6.30E-05	1.99E-08	5.78E-09	5.52E-05	1.74E-08	5.07E-09
4900	483863.09, 3862377.2	5.23E-05	1.65E-08	4.80E-09	6.40E-05	2.02E-08	5.88E-09	5.62E-05	1.77E-08	5.16E-09
4901	484363.09, 3862377.2	5.35E-05	1.69E-08	4.91E-09	6.56E-05	2.07E-08	6.02E-09	5.75E-05	1.81E-08	5.28E-09
4902	484863.09, 3862377.2	5.32E-05	1.68E-08	4.88E-09	6.51E-05	2.06E-08	5.98E-09	5.71E-05	1.80E-08	5.25E-09
4903	485363.09, 3862377.2	5.27E-05	1.66E-08	4.84E-09	6.46E-05	2.04E-08	5.93E-09	5.67E-05	1.79E-08	5.20E-09
4904	485863.09, 3862377.2	5.29E-05	1.67E-08	4.86E-09	6.48E-05	2.05E-08	5.95E-09	5.68E-05	1.79E-08	5.22E-09
4905	486363.09, 3862377.2	5.26E-05	1.66E-08	4.83E-09	6.44E-05	2.03E-08	5.91E-09	5.65E-05	1.78E-08	5.19E-09
4906	486863.09, 3862377.2	5.21E-05	1.64E-08	4.78E-09	6.38E-05	2.01E-08	5.86E-09	5.60E-05	1.77E-08	5.14E-09
4907	487363.09, 3862377.2	5.15E-05	1.62E-08	4.73E-09	6.31E-05	1.99E-08	5.79E-09	5.53E-05	1.75E-08	5.08E-09
4908	487863.09, 3862377.2	5.10E-05	1.61E-08	4.69E-09	6.25E-05	1.97E-08	5.74E-09	5.49E-05	1.73E-08	5.04E-09
4909	488363.09, 3862377.2	5.07E-05	1.60E-08	4.65E-09	6.21E-05	1.96E-08	5.70E-09	5.44E-05	1.72E-08	5.00E-09
4910	488863.09, 3862377.2	5.04E-05	1.59E-08	4.63E-09	6.17E-05	1.95E-08	5.67E-09	5.41E-05	1.71E-08	4.97E-09
4911	489363.09, 3862377.2	5.02E-05	1.59E-08	4.61E-09	6.15E-05	1.94E-08	5.65E-09	5.40E-05	1.70E-08	4.95E-09
4912	489863.09, 3862377.2	5.06E-05	1.60E-08	4.64E-09	6.19E-05	1.96E-08	5.69E-09	5.43E-05	1.71E-08	4.99E-09
4913	490363.09, 3862377.2	5.12E-05	1.62E-08	4.70E-09	6.27E-05	1.98E-08	5.76E-09	5.50E-05	1.74E-08	5.05E-09
4914	490863.09, 3862377.2	5.15E-05	1.63E-08	4.73E-09	6.31E-05	1.99E-08	5.79E-09	5.53E-05	1.75E-08	5.08E-09
4915	491363.09, 3862377.2	5.16E-05	1.63E-08	4.73E-09	6.31E-05	1.99E-08	5.80E-09	5.54E-05	1.75E-08	5.08E-09
4916	491863.09, 3862377.2	5.16E-05	1.63E-08	4.74E-09	6.32E-05	2.00E-08	5.80E-09	5.54E-05	1.75E-08	5.09E-09
4917	492363.09, 3862377.2	5.25E-05	1.66E-08	4.82E-09	6.44E-05	2.03E-08	5.91E-09	5.64E-05	1.78E-08	5.18E-09
4918	492863.09, 3862377.2	5.18E-05	1.63E-08	4.76E-09	6.34E-05	2.00E-08	5.82E-09	5.56E-05	1.76E-08	5.11E-09
4919	493363.09, 3862377.2	4.95E-05	1.56E-08	4.55E-09	6.07E-05	1.91E-08	5.57E-09	5.32E-05	1.68E-08	4.88E-09
4920	493863.09, 3862377.2	4.76E-05	1.50E-08	4.37E-09	5.83E-05	1.84E-08	5.35E-09	5.11E-05	1.61E-08	4.69E-09
4921	494363.09, 3862377.2	4.66E-05	1.47E-08	4.28E-09	5.71E-05	1.80E-08	5.24E-09	5.01E-05	1.58E-08	4.60E-09
4922	494863.09, 3862377.2	4.67E-05	1.47E-08	4.29E-09	5.72E-05	1.80E-08	5.25E-09	5.01E-05	1.58E-08	4.60E-09
4923	495363.09, 3862377.2	4.69E-05	1.48E-08	4.31E-09	5.74E-05	1.81E-08	5.27E-09	5.04E-05	1.59E-08	4.62E-09
4924	495863.09, 3862377.2	4.76E-05	1.50E-08	4.37E-09	5.83E-05	1.84E-08	5.36E-09	5.11E-05	1.61E-08	4.69E-09
4925	496363.09, 3862377.2	4.83E-05	1.52E-08	4.43E-09	5.91E-05	1.87E-08	5.43E-09	5.18E-05	1.63E-08	4.76E-09
4926	496863.09, 3862377.2	4.92E-05	1.55E-08	4.52E-09	6.03E-05	1.90E-08	5.53E-09	5.28E-05	1.67E-08	4.85E-09
4927	497363.09, 3862377.2	4.89E-05	1.54E-08	4.49E-09	5.99E-05	1.89E-08	5.50E-09	5.25E-05	1.66E-08	4.82E-09
4928	497863.09, 3862377.2	4.85E-05	1.53E-08	4.45E-09	5.93E-05	1.87E-08	5.45E-09	5.20E-05	1.64E-08	4.77E-09
4929	498363.09, 3862377.2	4.75E-05	1.50E-08	4.36E-09	5.81E-05	1.83E-08	5.34E-09	5.10E-05	1.61E-08	4.68E-09
4930	471363.09, 3862877.2	1.83E-05	5.78E-09	1.68E-09	2.24E-05	7.08E-09	2.06E-09	1.97E-05	6.21E-09	1.81E-09
4931	471863.09, 3862877.2	1.89E-05	5.97E-09	1.74E-09	2.32E-05	7.31E-09	2.13E-09	2.03E-05	6.42E-09	1.87E-09
4932	472363.09, 3862877.2	1.96E-05	6.18E-09	1.80E-09	2.40E-05	7.57E-09	2.20E-09	2.10E-05	6.64E-09	1.93E-09
4933	472863.09, 3862877.2	2.03E-05	6.40E-09	1.86E-09	2.48E-05	7.84E-09	2.28E-09	2.18E-05	6.88E-09	2.00E-09
4934	473363.09, 3862877.2	2.10E-05	6.64E-09	1.93E-09	2.57E-05	8.13E-09	2.36E-09	2.26E-05	7.13E-09	2.07E-09
4935	473863.09, 3862877.2	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.44E-09	2.45E-09	2.34E-05	7.40E-09	2.15E-09
4936	474363.09, 3862877.2	2.26E-05	7.15E-09	2.08E-09	2.77E-05	8.75E-09	2.55E-09	2.43E-05	7.68E-09	2.23E-09
4937	474863.09, 3862877.2	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.09E-09	2.64E-09	2.53E-05	7.97E-09	2.32E-09

4938	475363.09, 3862877.2	2.43E-05	7.68E-09	2.23E-09	2.98E-05	9.40E-09	2.74E-09	2.61E-05	8.25E-09	2.40E-09
4939	475863.09, 3862877.2	2.52E-05	7.95E-09	2.31E-09	3.09E-05	9.74E-09	2.83E-09	2.71E-05	8.54E-09	2.48E-09
4940	476363.09, 3862877.2	2.61E-05	8.24E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.80E-05	8.85E-09	2.57E-09
4941	476863.09, 3862877.2	2.72E-05	8.58E-09	2.50E-09	3.33E-05	1.05E-08	3.06E-09	2.92E-05	9.22E-09	2.68E-09
4942	477363.09, 3862877.2	2.84E-05	8.97E-09	2.61E-09	3.48E-05	1.10E-08	3.19E-09	3.05E-05	9.63E-09	2.80E-09
4943	477863.09, 3862877.2	2.89E-05	9.11E-09	2.65E-09	3.53E-05	1.12E-08	3.24E-09	3.10E-05	9.78E-09	2.85E-09
4944	478363.09, 3862877.2	2.74E-05	8.65E-09	2.52E-09	3.36E-05	1.06E-08	3.08E-09	2.94E-05	9.29E-09	2.70E-09
4945	478863.09, 3862877.2	2.88E-05	9.09E-09	2.64E-09	3.53E-05	1.11E-08	3.24E-09	3.09E-05	9.76E-09	2.84E-09
4946	479363.09, 3862877.2	3.08E-05	9.71E-09	2.82E-09	3.77E-05	1.19E-08	3.46E-09	3.30E-05	1.04E-08	3.03E-09
4947	479863.09, 3862877.2	3.57E-05	1.13E-08	3.27E-09	4.37E-05	1.38E-08	4.01E-09	3.83E-05	1.21E-08	3.52E-09
4948	480363.09, 3862877.2	3.71E-05	1.17E-08	3.41E-09	4.54E-05	1.43E-08	4.17E-09	3.99E-05	1.26E-08	3.66E-09
4949	480863.09, 3862877.2	3.86E-05	1.22E-08	3.54E-09	4.73E-05	1.49E-08	4.34E-09	4.15E-05	1.31E-08	3.81E-09
4950	481363.09, 3862877.2	3.97E-05	1.25E-08	3.65E-09	4.87E-05	1.54E-08	4.47E-09	4.27E-05	1.35E-08	3.92E-09
4951	481863.09, 3862877.2	4.17E-05	1.32E-08	3.83E-09	5.11E-05	1.61E-08	4.69E-09	4.48E-05	1.41E-08	4.11E-09
4952	482363.09, 3862877.2	4.30E-05	1.36E-08	3.95E-09	5.26E-05	1.66E-08	4.83E-09	4.62E-05	1.46E-08	4.24E-09
4953	482863.09, 3862877.2	4.46E-05	1.41E-08	4.09E-09	5.46E-05	1.72E-08	5.01E-09	4.79E-05	1.51E-08	4.40E-09
4954	483363.09, 3862877.2	4.58E-05	1.44E-08	4.20E-09	5.60E-05	1.77E-08	5.15E-09	4.92E-05	1.55E-08	4.51E-09
4955	483863.09, 3862877.2	4.65E-05	1.47E-08	4.27E-09	5.70E-05	1.80E-08	5.23E-09	5.00E-05	1.58E-08	4.59E-09
4956	484363.09, 3862877.2	4.72E-05	1.49E-08	4.33E-09	5.78E-05	1.82E-08	5.30E-09	5.07E-05	1.60E-08	4.65E-09
4957	484863.09, 3862877.2	4.66E-05	1.47E-08	4.28E-09	5.71E-05	1.80E-08	5.24E-09	5.01E-05	1.58E-08	4.60E-09
4958	485363.09, 3862877.2	4.65E-05	1.47E-08	4.27E-09	5.69E-05	1.80E-08	5.23E-09	4.99E-05	1.58E-08	4.58E-09
4959	485863.09, 3862877.2	4.62E-05	1.46E-08	4.25E-09	5.66E-05	1.79E-08	5.20E-09	4.97E-05	1.57E-08	4.56E-09
4960	486363.09, 3862877.2	4.63E-05	1.46E-08	4.25E-09	5.67E-05	1.79E-08	5.20E-09	4.97E-05	1.57E-08	4.56E-09
4961	486863.09, 3862877.2	4.55E-05	1.44E-08	4.18E-09	5.57E-05	1.76E-08	5.11E-09	4.89E-05	1.54E-08	4.49E-09
4962	487363.09, 3862877.2	4.51E-05	1.42E-08	4.14E-09	5.52E-05	1.74E-08	5.07E-09	4.84E-05	1.53E-08	4.45E-09
4963	487863.09, 3862877.2	4.47E-05	1.41E-08	4.10E-09	5.47E-05	1.73E-08	5.02E-09	4.80E-05	1.52E-08	4.41E-09
4964	488363.09, 3862877.2	4.45E-05	1.40E-08	4.09E-09	5.45E-05	1.72E-08	5.00E-09	4.78E-05	1.51E-08	4.39E-09
4965	488863.09, 3862877.2	4.42E-05	1.39E-08	4.06E-09	5.41E-05	1.71E-08	4.97E-09	4.74E-05	1.50E-08	4.36E-09
4966	489363.09, 3862877.2	4.39E-05	1.38E-08	4.03E-09	5.37E-05	1.70E-08	4.93E-09	4.71E-05	1.49E-08	4.32E-09
4967	489863.09, 3862877.2	4.40E-05	1.39E-08	4.04E-09	5.38E-05	1.70E-08	4.94E-09	4.72E-05	1.49E-08	4.34E-09
4968	490363.09, 3862877.2	4.43E-05	1.40E-08	4.07E-09	5.43E-05	1.71E-08	4.98E-09	4.76E-05	1.50E-08	4.37E-09
4969	490863.09, 3862877.2	4.48E-05	1.41E-08	4.11E-09	5.48E-05	1.73E-08	5.03E-09	4.81E-05	1.52E-08	4.41E-09
4970	491363.09, 3862877.2	4.55E-05	1.44E-08	4.17E-09	5.57E-05	1.76E-08	5.11E-09	4.88E-05	1.54E-08	4.48E-09
4971	491863.09, 3862877.2	4.49E-05	1.42E-08	4.12E-09	5.50E-05	1.74E-08	5.05E-09	4.82E-05	1.52E-08	4.43E-09
4972	492363.09, 3862877.2	4.52E-05	1.43E-08	4.15E-09	5.54E-05	1.75E-08	5.08E-09	4.86E-05	1.53E-08	4.46E-09
4973	492863.09, 3862877.2	4.59E-05	1.45E-08	4.22E-09	5.62E-05	1.78E-08	5.16E-09	4.93E-05	1.56E-08	4.53E-09
4974	493363.09, 3862877.2	4.56E-05	1.44E-08	4.19E-09	5.59E-05	1.76E-08	5.13E-09	4.90E-05	1.55E-08	4.50E-09
4975	493863.09, 3862877.2	4.40E-05	1.39E-08	4.04E-09	5.39E-05	1.70E-08	4.95E-09	4.73E-05	1.49E-08	4.34E-09
4976	494363.09, 3862877.2	4.22E-05	1.33E-08	3.87E-09	5.16E-05	1.63E-08	4.74E-09	4.53E-05	1.43E-08	4.16E-09
4977	494863.09, 3862877.2	4.08E-05	1.29E-08	3.75E-09	5.00E-05	1.58E-08	4.59E-09	4.38E-05	1.38E-08	4.02E-09
4978	495363.09, 3862877.2	4.04E-05	1.27E-08	3.71E-09	4.95E-05	1.56E-08	4.54E-09	4.34E-05	1.37E-08	3.98E-09
4979	495863.09, 3862877.2	4.06E-05	1.28E-08	3.72E-09	4.97E-05	1.57E-08	4.56E-09	4.36E-05	1.37E-08	4.00E-09
4980	496363.09, 3862877.2	4.11E-05	1.30E-08	3.77E-09	5.03E-05	1.59E-08	4.62E-09	4.41E-05	1.39E-08	4.05E-09
4981	496863.09, 3862877.2	4.17E-05	1.31E-08	3.82E-09	5.10E-05	1.61E-08	4.68E-09	4.47E-05	1.41E-08	4.11E-09
4982	497363.09, 3862877.2	4.21E-05	1.33E-08	3.86E-09	5.15E-05	1.63E-08	4.73E-09	4.51E-05	1.42E-08	4.14E-09
4983	497863.09, 3862877.2	4.23E-05	1.34E-08	3.89E-09	5.18E-05	1.64E-08	4.76E-09	4.54E-05	1.43E-08	4.17E-09
4984	498363.09, 3862877.2	4.24E-05	1.34E-08	3.90E-09	5.20E-05	1.64E-08	4.77E-09	4.55E-05	1.44E-08	4.18E-09
4985	471363.09, 3863377.2	1.76E-05	5.54E-09	1.61E-09	2.15E-05	6.79E-09	1.97E-09	1.89E-05	5.95E-09	1.73E-09
4986	471863.09, 3863377.2	1.81E-05	5.72E-09	1.66E-09	2.22E-05	7.01E-09	2.04E-09	1.95E-05	6.15E-09	1.79E-09
4987	472363.09, 3863377.2	1.88E-05	5.92E-09	1.72E-09	2.30E-05	7.25E-09	2.11E-09	2.01E-05	6.36E-09	1.85E-09
4988	472863.09, 3863377.2	1.94E-05	6.11E-09	1.78E-09	2.37E-05	7.48E-09	2.18E-09	2.08E-05	6.56E-09	1.91E-09
4989	473363.09, 3863377.2	2.00E-05	6.31E-09	1.84E-09	2.45E-05	7.73E-09	2.25E-09	2.15E-05	6.78E-09	1.97E-09
4990	473863.09, 3863377.2	2.07E-05	6.53E-09	1.90E-09	2.54E-05	8.00E-09	2.33E-09	2.22E-05	7.02E-09	2.04E-09
4991	474363.09, 3863377.2	2.14E-05	6.75E-09	1.96E-09	2.62E-05	8.27E-09	2.41E-09	2.30E-05	7.25E-09	2.11E-09
4992	474863.09, 3863377.2	2.20E-05	6.95E-09	2.02E-09	2.70E-05	8.52E-09	2.48E-09	2.37E-05	7.46E-09	2.17E-09
4993	475363.09, 3863377.2	2.28E-05	7.18E-09	2.09E-09	2.79E-05	8.80E-09	2.56E-09	2.44E-05	7.71E-09	2.24E-09
4994	475863.09, 3863377.2	2.35E-05	7.42E-09	2.16E-09	2.88E-05	9.09E-09	2.64E-09	2.52E-05	7.97E-09	2.32E-09
4995	476363.09, 3863377.2	2.43E-05	7.68E-09	2.24E-09	2.98E-05	9.41E-09	2.74E-09	2.61E-05	8.25E-09	2.40E-09
4996	476863.09, 3863377.2	2.53E-05	7.99E-09	2.32E-09	3.10E-05	9.79E-09	2.85E-09	2.72E-05	8.58E-09	2.50E-09
4997	477363.09, 3863377.2	2.65E-05	8.36E-09	2.43E-09	3.24E-05	1.02E-08	2.98E-09	2.84E-05	8.98E-09	2.61E-09
4998	477863.09, 3863377.2	2.76E-05	8.70E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.96E-05	9.34E-09	2.72E-09

4999	478363.09, 3863377.2	2.80E-05	8.84E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.50E-09	2.76E-09
5000	478863.09, 3863377.2	2.97E-05	9.38E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
5001	479363.09, 3863377.2	3.16E-05	9.99E-09	2.90E-09	3.88E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
5002	479863.09, 3863377.2	3.27E-05	1.03E-08	3.00E-09	4.01E-05	1.26E-08	3.68E-09	3.51E-05	1.11E-08	3.23E-09
5003	480363.09, 3863377.2	3.39E-05	1.07E-08	3.11E-09	4.15E-05	1.31E-08	3.81E-09	3.64E-05	1.15E-08	3.34E-09
5004	480863.09, 3863377.2	3.51E-05	1.11E-08	3.23E-09	4.30E-05	1.36E-08	3.95E-09	3.78E-05	1.19E-08	3.47E-09
5005	481363.09, 3863377.2	3.61E-05	1.14E-08	3.31E-09	4.42E-05	1.40E-08	4.06E-09	3.88E-05	1.22E-08	3.56E-09
5006	481863.09, 3863377.2	3.75E-05	1.18E-08	3.45E-09	4.60E-05	1.45E-08	4.22E-09	4.03E-05	1.27E-08	3.70E-09
5007	482363.09, 3863377.2	3.90E-05	1.23E-08	3.58E-09	4.78E-05	1.51E-08	4.38E-09	4.19E-05	1.32E-08	3.84E-09
5008	482863.09, 3863377.2	4.00E-05	1.26E-08	3.67E-09	4.89E-05	1.54E-08	4.49E-09	4.29E-05	1.35E-08	3.94E-09
5009	483363.09, 3863377.2	4.08E-05	1.29E-08	3.75E-09	5.00E-05	1.58E-08	4.59E-09	4.38E-05	1.38E-08	4.03E-09
5010	483863.09, 3863377.2	4.15E-05	1.31E-08	3.81E-09	5.08E-05	1.60E-08	4.66E-09	4.45E-05	1.41E-08	4.09E-09
5011	484363.09, 3863377.2	4.16E-05	1.31E-08	3.82E-09	5.10E-05	1.61E-08	4.68E-09	4.47E-05	1.41E-08	4.11E-09
5012	484863.09, 3863377.2	4.16E-05	1.31E-08	3.82E-09	5.09E-05	1.61E-08	4.68E-09	4.47E-05	1.41E-08	4.10E-09
5013	485363.09, 3863377.2	4.11E-05	1.30E-08	3.78E-09	5.04E-05	1.59E-08	4.62E-09	4.42E-05	1.39E-08	4.06E-09
5014	485863.09, 3863377.2	4.10E-05	1.29E-08	3.76E-09	5.02E-05	1.58E-08	4.60E-09	4.40E-05	1.39E-08	4.04E-09
5015	486363.09, 3863377.2	4.07E-05	1.29E-08	3.74E-09	4.99E-05	1.57E-08	4.58E-09	4.37E-05	1.38E-08	4.02E-09
5016	486863.09, 3863377.2	4.04E-05	1.28E-08	3.71E-09	4.95E-05	1.56E-08	4.54E-09	4.34E-05	1.37E-08	3.98E-09
5017	487363.09, 3863377.2	4.00E-05	1.26E-08	3.67E-09	4.90E-05	1.55E-08	4.50E-09	4.30E-05	1.36E-08	3.95E-09
5018	487863.09, 3863377.2	3.96E-05	1.25E-08	3.63E-09	4.85E-05	1.53E-08	4.45E-09	4.25E-05	1.34E-08	3.90E-09
5019	488363.09, 3863377.2	3.94E-05	1.24E-08	3.62E-09	4.82E-05	1.52E-08	4.43E-09	4.23E-05	1.34E-08	3.89E-09
5020	488863.09, 3863377.2	3.92E-05	1.24E-08	3.60E-09	4.80E-05	1.51E-08	4.41E-09	4.21E-05	1.33E-08	3.86E-09
5021	489363.09, 3863377.2	3.88E-05	1.22E-08	3.56E-09	4.75E-05	1.50E-08	4.36E-09	4.17E-05	1.31E-08	3.82E-09
5022	489863.09, 3863377.2	3.87E-05	1.22E-08	3.55E-09	4.73E-05	1.49E-08	4.35E-09	4.15E-05	1.31E-08	3.81E-09
5023	490363.09, 3863377.2	3.88E-05	1.23E-08	3.57E-09	4.76E-05	1.50E-08	4.37E-09	4.17E-05	1.32E-08	3.83E-09
5024	490863.09, 3863377.2	3.94E-05	1.24E-08	3.62E-09	4.83E-05	1.52E-08	4.43E-09	4.23E-05	1.34E-08	3.89E-09
5025	491363.09, 3863377.2	3.96E-05	1.25E-08	3.64E-09	4.85E-05	1.53E-08	4.45E-09	4.25E-05	1.34E-08	3.90E-09
5026	491863.09, 3863377.2	3.97E-05	1.25E-08	3.65E-09	4.87E-05	1.54E-08	4.47E-09	4.27E-05	1.35E-08	3.92E-09
5027	492363.09, 3863377.2	4.02E-05	1.27E-08	3.69E-09	4.92E-05	1.55E-08	4.52E-09	4.31E-05	1.36E-08	3.96E-09
5028	492863.09, 3863377.2	4.13E-05	1.30E-08	3.79E-09	5.06E-05	1.60E-08	4.64E-09	4.43E-05	1.40E-08	4.07E-09
5029	493363.09, 3863377.2	4.26E-05	1.34E-08	3.91E-09	5.22E-05	1.65E-08	4.79E-09	4.57E-05	1.44E-08	4.20E-09
5030	493863.09, 3863377.2	4.22E-05	1.33E-08	3.88E-09	5.17E-05	1.63E-08	4.75E-09	4.54E-05	1.43E-08	4.16E-09
5031	494363.09, 3863377.2	4.03E-05	1.27E-08	3.70E-09	4.93E-05	1.56E-08	4.53E-09	4.32E-05	1.36E-08	3.97E-09
5032	494863.09, 3863377.2	3.87E-05	1.22E-08	3.55E-09	4.74E-05	1.50E-08	4.35E-09	4.15E-05	1.31E-08	3.81E-09
5033	495363.09, 3863377.2	3.79E-05	1.20E-08	3.48E-09	4.64E-05	1.46E-08	4.26E-09	4.07E-05	1.28E-08	3.73E-09
5034	495863.09, 3863377.2	3.75E-05	1.19E-08	3.45E-09	4.60E-05	1.45E-08	4.22E-09	4.03E-05	1.27E-08	3.70E-09
5035	496363.09, 3863377.2	3.62E-05	1.14E-08	3.32E-09	4.43E-05	1.40E-08	4.07E-09	3.89E-05	1.23E-08	3.57E-09
5036	496863.09, 3863377.2	3.57E-05	1.13E-08	3.28E-09	4.37E-05	1.38E-08	4.01E-09	3.83E-05	1.21E-08	3.52E-09
5037	497363.09, 3863377.2	3.61E-05	1.14E-08	3.32E-09	4.43E-05	1.40E-08	4.06E-09	3.88E-05	1.22E-08	3.56E-09
5038	497863.09, 3863377.2	3.68E-05	1.16E-08	3.38E-09	4.50E-05	1.42E-08	4.13E-09	3.95E-05	1.25E-08	3.62E-09
5039	498363.09, 3863377.2	3.72E-05	1.17E-08	3.42E-09	4.56E-05	1.44E-08	4.18E-09	3.99E-05	1.26E-08	3.67E-09
5040	471363.09, 3863877.2	1.68E-05	5.31E-09	1.54E-09	2.06E-05	6.50E-09	1.89E-09	1.81E-05	5.70E-09	1.66E-09
5041	471863.09, 3863877.2	1.74E-05	5.49E-09	1.60E-09	2.13E-05	6.72E-09	1.96E-09	1.87E-05	5.90E-09	1.71E-09
5042	472363.09, 3863877.2	1.79E-05	5.65E-09	1.64E-09	2.19E-05	6.92E-09	2.01E-09	1.92E-05	6.07E-09	1.77E-09
5043	472863.09, 3863877.2	1.84E-05	5.82E-09	1.69E-09	2.26E-05	7.13E-09	2.07E-09	1.98E-05	6.25E-09	1.82E-09
5044	473363.09, 3863877.2	1.90E-05	5.98E-09	1.74E-09	2.32E-05	7.33E-09	2.13E-09	2.04E-05	6.42E-09	1.87E-09
5045	473863.09, 3863877.2	1.95E-05	6.17E-09	1.79E-09	2.39E-05	7.56E-09	2.20E-09	2.10E-05	6.62E-09	1.93E-09
5046	474363.09, 3863877.2	2.01E-05	6.34E-09	1.84E-09	2.46E-05	7.76E-09	2.26E-09	2.16E-05	6.80E-09	1.98E-09
5047	474863.09, 3863877.2	2.06E-05	6.50E-09	1.89E-09	2.52E-05	7.96E-09	2.32E-09	2.21E-05	6.98E-09	2.03E-09
5048	475363.09, 3863877.2	2.12E-05	6.71E-09	1.95E-09	2.60E-05	8.21E-09	2.39E-09	2.28E-05	7.20E-09	2.10E-09
5049	475863.09, 3863877.2	2.19E-05	6.91E-09	2.01E-09	2.68E-05	8.47E-09	2.46E-09	2.35E-05	7.43E-09	2.16E-09
5050	476363.09, 3863877.2	2.28E-05	7.19E-09	2.09E-09	2.79E-05	8.80E-09	2.56E-09	2.45E-05	7.72E-09	2.25E-09
5051	476863.09, 3863877.2	2.37E-05	7.48E-09	2.17E-09	2.90E-05	9.16E-09	2.66E-09	2.55E-05	8.03E-09	2.34E-09
5052	477363.09, 3863877.2	2.47E-05	7.81E-09	2.27E-09	3.03E-05	9.57E-09	2.78E-09	2.66E-05	8.39E-09	2.44E-09
5053	477863.09, 3863877.2	2.59E-05	8.19E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.80E-09	2.56E-09
5054	478363.09, 3863877.2	2.70E-05	8.52E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.15E-09	2.66E-09
5055	478863.09, 3863877.2	2.83E-05	8.92E-09	2.59E-09	3.46E-05	1.09E-08	3.18E-09	3.04E-05	9.58E-09	2.79E-09
5056	479363.09, 3863877.2	2.92E-05	9.22E-09	2.68E-09	3.58E-05	1.13E-08	3.28E-09	3.14E-05	9.90E-09	2.88E-09
5057	479863.09, 3863877.2	3.02E-05	9.53E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.24E-05	1.02E-08	2.98E-09
5058	480363.09, 3863877.2	3.11E-05	9.83E-09	2.86E-09	3.81E-05	1.20E-08	3.50E-09	3.35E-05	1.06E-08	3.07E-09
5059	480863.09, 3863877.2	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.18E-09

5060	481363.09, 3863877.2	3.32E-05	1.05E-08	3.05E-09	4.06E-05	1.28E-08	3.73E-09	3.57E-05	1.13E-08	3.27E-09
5061	481863.09, 3863877.2	3.43E-05	1.08E-08	3.15E-09	4.20E-05	1.33E-08	3.86E-09	3.69E-05	1.16E-08	3.38E-09
5062	482363.09, 3863877.2	3.54E-05	1.12E-08	3.25E-09	4.34E-05	1.37E-08	3.98E-09	3.81E-05	1.20E-08	3.49E-09
5063	482863.09, 3863877.2	3.61E-05	1.14E-08	3.31E-09	4.42E-05	1.40E-08	4.06E-09	3.88E-05	1.22E-08	3.56E-09
5064	483363.09, 3863877.2	3.67E-05	1.16E-08	3.37E-09	4.49E-05	1.42E-08	4.12E-09	3.94E-05	1.24E-08	3.62E-09
5065	483863.09, 3863877.2	3.72E-05	1.17E-08	3.42E-09	4.56E-05	1.44E-08	4.18E-09	4.00E-05	1.26E-08	3.67E-09
5066	484363.09, 3863877.2	3.72E-05	1.17E-08	3.42E-09	4.56E-05	1.44E-08	4.18E-09	4.00E-05	1.26E-08	3.67E-09
5067	484863.09, 3863877.2	3.71E-05	1.17E-08	3.40E-09	4.54E-05	1.43E-08	4.17E-09	3.99E-05	1.26E-08	3.66E-09
5068	485363.09, 3863877.2	3.69E-05	1.16E-08	3.38E-09	4.52E-05	1.43E-08	4.15E-09	3.96E-05	1.25E-08	3.64E-09
5069	485863.09, 3863877.2	3.67E-05	1.16E-08	3.37E-09	4.50E-05	1.42E-08	4.13E-09	3.95E-05	1.25E-08	3.62E-09
5070	486363.09, 3863877.2	3.62E-05	1.14E-08	3.33E-09	4.44E-05	1.40E-08	4.07E-09	3.89E-05	1.23E-08	3.57E-09
5071	486863.09, 3863877.2	3.60E-05	1.14E-08	3.30E-09	4.41E-05	1.39E-08	4.05E-09	3.86E-05	1.22E-08	3.55E-09
5072	487363.09, 3863877.2	3.57E-05	1.13E-08	3.28E-09	4.37E-05	1.38E-08	4.01E-09	3.84E-05	1.21E-08	3.52E-09
5073	487863.09, 3863877.2	3.54E-05	1.12E-08	3.25E-09	4.33E-05	1.37E-08	3.98E-09	3.80E-05	1.20E-08	3.49E-09
5074	488363.09, 3863877.2	3.53E-05	1.11E-08	3.24E-09	4.32E-05	1.36E-08	3.97E-09	3.79E-05	1.20E-08	3.48E-09
5075	488863.09, 3863877.2	3.51E-05	1.11E-08	3.22E-09	4.30E-05	1.36E-08	3.95E-09	3.77E-05	1.19E-08	3.46E-09
5076	489363.09, 3863877.2	3.47E-05	1.10E-08	3.19E-09	4.25E-05	1.34E-08	3.91E-09	3.73E-05	1.18E-08	3.42E-09
5077	489863.09, 3863877.2	3.45E-05	1.09E-08	3.17E-09	4.23E-05	1.33E-08	3.88E-09	3.71E-05	1.17E-08	3.40E-09
5078	490363.09, 3863877.2	3.45E-05	1.09E-08	3.17E-09	4.23E-05	1.33E-08	3.88E-09	3.71E-05	1.17E-08	3.40E-09
5079	490863.09, 3863877.2	3.48E-05	1.10E-08	3.20E-09	4.27E-05	1.35E-08	3.92E-09	3.74E-05	1.18E-08	3.43E-09
5080	491363.09, 3863877.2	3.52E-05	1.11E-08	3.23E-09	4.31E-05	1.36E-08	3.96E-09	3.78E-05	1.19E-08	3.47E-09
5081	491863.09, 3863877.2	3.65E-05	1.15E-08	3.35E-09	4.46E-05	1.41E-08	4.10E-09	3.92E-05	1.24E-08	3.59E-09
5082	492363.09, 3863877.2	3.74E-05	1.18E-08	3.43E-09	4.58E-05	1.45E-08	4.21E-09	4.02E-05	1.27E-08	3.69E-09
5083	492863.09, 3863877.2	3.75E-05	1.18E-08	3.44E-09	4.59E-05	1.45E-08	4.21E-09	4.02E-05	1.27E-08	3.69E-09
5084	493363.09, 3863877.2	3.75E-05	1.18E-08	3.44E-09	4.60E-05	1.45E-08	4.22E-09	4.03E-05	1.27E-08	3.70E-09
5085	493863.09, 3863877.2	3.84E-05	1.21E-08	3.53E-09	4.71E-05	1.49E-08	4.32E-09	4.13E-05	1.30E-08	3.79E-09
5086	494363.09, 3863877.2	3.82E-05	1.20E-08	3.50E-09	4.67E-05	1.48E-08	4.29E-09	4.10E-05	1.29E-08	3.76E-09
5087	494863.09, 3863877.2	3.67E-05	1.16E-08	3.37E-09	4.50E-05	1.42E-08	4.13E-09	3.94E-05	1.25E-08	3.62E-09
5088	495363.09, 3863877.2	3.52E-05	1.11E-08	3.23E-09	4.31E-05	1.36E-08	3.95E-09	3.77E-05	1.19E-08	3.47E-09
5089	495863.09, 3863877.2	3.41E-05	1.08E-08	3.13E-09	4.18E-05	1.32E-08	3.83E-09	3.66E-05	1.16E-08	3.36E-09
5090	496363.09, 3863877.2	3.31E-05	1.05E-08	3.04E-09	4.06E-05	1.28E-08	3.72E-09	3.56E-05	1.12E-08	3.27E-09
5091	496863.09, 3863877.2	3.25E-05	1.02E-08	2.98E-09	3.98E-05	1.25E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
5092	497363.09, 3863877.2	3.22E-05	1.01E-08	2.95E-09	3.94E-05	1.24E-08	3.61E-09	3.45E-05	1.09E-08	3.17E-09
5093	497863.09, 3863877.2	3.23E-05	1.02E-08	2.96E-09	3.95E-05	1.25E-08	3.63E-09	3.47E-05	1.09E-08	3.18E-09
5094	498363.09, 3863877.2	3.25E-05	1.03E-08	2.98E-09	3.98E-05	1.26E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
5095	471363.09, 3864377.2	1.61E-05	5.09E-09	1.48E-09	1.98E-05	6.23E-09	1.81E-09	1.73E-05	5.47E-09	1.59E-09
5096	471863.09, 3864377.2	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.41E-09	1.86E-09	1.78E-05	5.62E-09	1.64E-09
5097	472363.09, 3864377.2	1.70E-05	5.38E-09	1.56E-09	2.09E-05	6.59E-09	1.92E-09	1.83E-05	5.78E-09	1.68E-09
5098	472863.09, 3864377.2	1.75E-05	5.52E-09	1.61E-09	2.14E-05	6.76E-09	1.97E-09	1.88E-05	5.93E-09	1.72E-09
5099	473363.09, 3864377.2	1.79E-05	5.66E-09	1.64E-09	2.19E-05	6.93E-09	2.01E-09	1.92E-05	6.07E-09	1.77E-09
5100	473863.09, 3864377.2	1.83E-05	5.79E-09	1.68E-09	2.25E-05	7.09E-09	2.06E-09	1.97E-05	6.21E-09	1.81E-09
5101	474363.09, 3864377.2	1.88E-05	5.94E-09	1.73E-09	2.30E-05	7.27E-09	2.12E-09	2.02E-05	6.38E-09	1.85E-09
5102	474863.09, 3864377.2	1.93E-05	6.09E-09	1.77E-09	2.36E-05	7.45E-09	2.17E-09	2.07E-05	6.54E-09	1.90E-09
5103	475363.09, 3864377.2	1.99E-05	6.28E-09	1.83E-09	2.44E-05	7.70E-09	2.24E-09	2.14E-05	6.75E-09	1.96E-09
5104	475863.09, 3864377.2	2.06E-05	6.51E-09	1.89E-09	2.52E-05	7.97E-09	2.32E-09	2.21E-05	6.99E-09	2.03E-09
5105	476363.09, 3864377.2	2.15E-05	6.78E-09	1.97E-09	2.63E-05	8.30E-09	2.41E-09	2.31E-05	7.28E-09	2.12E-09
5106	476863.09, 3864377.2	2.24E-05	7.06E-09	2.05E-09	2.74E-05	8.65E-09	2.52E-09	2.40E-05	7.59E-09	2.21E-09
5107	477363.09, 3864377.2	2.32E-05	7.32E-09	2.13E-09	2.84E-05	8.97E-09	2.61E-09	2.49E-05	7.87E-09	2.29E-09
5108	477863.09, 3864377.2	2.41E-05	7.61E-09	2.21E-09	2.95E-05	9.32E-09	2.71E-09	2.59E-05	8.17E-09	2.38E-09
5109	478363.09, 3864377.2	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.69E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
5110	478863.09, 3864377.2	2.61E-05	8.22E-09	2.39E-09	3.19E-05	1.01E-08	2.93E-09	2.80E-05	8.83E-09	2.57E-09
5111	479363.09, 3864377.2	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.66E-09
5112	479863.09, 3864377.2	2.79E-05	8.82E-09	2.57E-09	3.42E-05	1.08E-08	3.14E-09	3.00E-05	9.48E-09	2.76E-09
5113	480363.09, 3864377.2	2.89E-05	9.13E-09	2.65E-09	3.54E-05	1.12E-08	3.25E-09	3.11E-05	9.81E-09	2.85E-09
5114	480863.09, 3864377.2	2.96E-05	9.34E-09	2.72E-09	3.62E-05	1.14E-08	3.33E-09	3.18E-05	1.00E-08	2.92E-09
5115	481363.09, 3864377.2	3.04E-05	9.60E-09	2.79E-09	3.73E-05	1.18E-08	3.42E-09	3.27E-05	1.03E-08	3.00E-09
5116	481863.09, 3864377.2	3.14E-05	9.91E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.37E-05	1.06E-08	3.10E-09
5117	482363.09, 3864377.2	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
5118	482863.09, 3864377.2	3.27E-05	1.03E-08	3.01E-09	4.01E-05	1.27E-08	3.68E-09	3.52E-05	1.11E-08	3.23E-09
5119	483363.09, 3864377.2	3.31E-05	1.05E-08	3.04E-09	4.06E-05	1.28E-08	3.73E-09	3.56E-05	1.12E-08	3.27E-09
5120	483863.09, 3864377.2	3.34E-05	1.05E-08	3.07E-09	4.09E-05	1.29E-08	3.76E-09	3.59E-05	1.13E-08	3.29E-09

5121	484363.09, 3864377.2	3.35E-05	1.06E-08	3.07E-09	4.10E-05	1.29E-08	3.76E-09	3.60E-05	1.13E-08	3.30E-09
5122	484863.09, 3864377.2	3.33E-05	1.05E-08	3.05E-09	4.07E-05	1.29E-08	3.74E-09	3.57E-05	1.13E-08	3.28E-09
5123	485363.09, 3864377.2	3.31E-05	1.04E-08	3.04E-09	4.05E-05	1.28E-08	3.72E-09	3.56E-05	1.12E-08	3.26E-09
5124	485863.09, 3864377.2	3.28E-05	1.04E-08	3.02E-09	4.02E-05	1.27E-08	3.69E-09	3.53E-05	1.11E-08	3.24E-09
5125	486363.09, 3864377.2	3.25E-05	1.03E-08	2.99E-09	3.98E-05	1.26E-08	3.66E-09	3.49E-05	1.10E-08	3.21E-09
5126	486863.09, 3864377.2	3.24E-05	1.02E-08	2.97E-09	3.96E-05	1.25E-08	3.64E-09	3.48E-05	1.10E-08	3.19E-09
5127	487363.09, 3864377.2	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
5128	487863.09, 3864377.2	3.19E-05	1.01E-08	2.93E-09	3.91E-05	1.23E-08	3.59E-09	3.43E-05	1.08E-08	3.15E-09
5129	488363.09, 3864377.2	3.18E-05	1.00E-08	2.92E-09	3.89E-05	1.23E-08	3.57E-09	3.42E-05	1.08E-08	3.14E-09
5130	488863.09, 3864377.2	3.17E-05	1.00E-08	2.91E-09	3.89E-05	1.23E-08	3.57E-09	3.41E-05	1.08E-08	3.13E-09
5131	489363.09, 3864377.2	3.14E-05	9.92E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.37E-05	1.06E-08	3.10E-09
5132	489863.09, 3864377.2	3.12E-05	9.84E-09	2.86E-09	3.82E-05	1.21E-08	3.51E-09	3.35E-05	1.06E-08	3.07E-09
5133	490363.09, 3864377.2	3.11E-05	9.81E-09	2.85E-09	3.81E-05	1.20E-08	3.50E-09	3.34E-05	1.05E-08	3.07E-09
5134	490863.09, 3864377.2	3.14E-05	9.92E-09	2.88E-09	3.85E-05	1.21E-08	3.53E-09	3.38E-05	1.07E-08	3.10E-09
5135	491363.09, 3864377.2	3.30E-05	1.04E-08	3.03E-09	4.04E-05	1.28E-08	3.71E-09	3.54E-05	1.12E-08	3.25E-09
5136	491863.09, 3864377.2	2.38E-05	7.52E-09	2.19E-09	2.92E-05	9.22E-09	2.68E-09	2.56E-05	8.08E-09	2.35E-09
5137	492363.09, 3864377.2	3.27E-05	1.03E-08	3.00E-09	4.00E-05	1.26E-08	3.67E-09	3.51E-05	1.11E-08	3.22E-09
5138	492863.09, 3864377.2	2.79E-05	8.79E-09	2.56E-09	3.41E-05	1.08E-08	3.13E-09	2.99E-05	9.44E-09	2.75E-09
5139	493363.09, 3864377.2	3.15E-05	9.93E-09	2.89E-09	3.85E-05	1.22E-08	3.54E-09	3.38E-05	1.07E-08	3.10E-09
5140	493863.09, 3864377.2	3.33E-05	1.05E-08	3.05E-09	4.07E-05	1.29E-08	3.74E-09	3.57E-05	1.13E-08	3.28E-09
5141	494363.09, 3864377.2	3.46E-05	1.09E-08	3.17E-09	4.23E-05	1.34E-08	3.89E-09	3.71E-05	1.17E-08	3.41E-09
5142	494863.09, 3864377.2	3.44E-05	1.09E-08	3.16E-09	4.22E-05	1.33E-08	3.87E-09	3.70E-05	1.17E-08	3.39E-09
5143	495363.09, 3864377.2	3.33E-05	1.05E-08	3.05E-09	4.07E-05	1.29E-08	3.74E-09	3.57E-05	1.13E-08	3.28E-09
5144	495863.09, 3864377.2	3.19E-05	1.01E-08	2.92E-09	3.90E-05	1.23E-08	3.58E-09	3.42E-05	1.08E-08	3.14E-09
5145	496363.09, 3864377.2	3.07E-05	9.69E-09	2.82E-09	3.76E-05	1.19E-08	3.45E-09	3.30E-05	1.04E-08	3.03E-09
5146	496863.09, 3864377.2	3.00E-05	9.47E-09	2.75E-09	3.68E-05	1.16E-08	3.37E-09	3.22E-05	1.02E-08	2.96E-09
5147	497363.09, 3864377.2	2.94E-05	9.29E-09	2.70E-09	3.61E-05	1.14E-08	3.31E-09	3.16E-05	9.98E-09	2.90E-09
5148	497863.09, 3864377.2	2.95E-05	9.31E-09	2.71E-09	3.61E-05	1.14E-08	3.32E-09	3.17E-05	9.99E-09	2.91E-09
5149	498363.09, 3864377.2	2.91E-05	9.18E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.87E-09
5150	471363.09, 3864877.2	1.54E-05	4.85E-09	1.41E-09	1.88E-05	5.94E-09	1.73E-09	1.65E-05	5.21E-09	1.51E-09
5151	471863.09, 3864877.2	1.58E-05	4.97E-09	1.45E-09	1.93E-05	6.09E-09	1.77E-09	1.69E-05	5.34E-09	1.55E-09
5152	472363.09, 3864877.2	1.61E-05	5.10E-09	1.48E-09	1.98E-05	6.24E-09	1.82E-09	1.73E-05	5.47E-09	1.59E-09
5153	472863.09, 3864877.2	1.65E-05	5.21E-09	1.52E-09	2.02E-05	6.38E-09	1.86E-09	1.77E-05	5.59E-09	1.63E-09
5154	473363.09, 3864877.2	1.68E-05	5.31E-09	1.55E-09	2.06E-05	6.51E-09	1.89E-09	1.81E-05	5.71E-09	1.66E-09
5155	473863.09, 3864877.2	1.72E-05	5.43E-09	1.58E-09	2.11E-05	6.65E-09	1.93E-09	1.85E-05	5.83E-09	1.70E-09
5156	474363.09, 3864877.2	1.76E-05	5.57E-09	1.62E-09	2.16E-05	6.82E-09	1.98E-09	1.90E-05	5.98E-09	1.74E-09
5157	474863.09, 3864877.2	1.82E-05	5.73E-09	1.67E-09	2.22E-05	7.02E-09	2.04E-09	1.95E-05	6.16E-09	1.79E-09
5158	475363.09, 3864877.2	1.88E-05	5.93E-09	1.72E-09	2.30E-05	7.26E-09	2.11E-09	2.02E-05	6.37E-09	1.85E-09
5159	475863.09, 3864877.2	1.95E-05	6.14E-09	1.79E-09	2.38E-05	7.53E-09	2.19E-09	2.09E-05	6.60E-09	1.92E-09
5160	476363.09, 3864877.2	2.02E-05	6.39E-09	1.86E-09	2.48E-05	7.83E-09	2.28E-09	2.17E-05	6.86E-09	2.00E-09
5161	476863.09, 3864877.2	2.11E-05	6.66E-09	1.94E-09	2.59E-05	8.16E-09	2.37E-09	2.27E-05	7.16E-09	2.08E-09
5162	477363.09, 3864877.2	2.18E-05	6.88E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
5163	477863.09, 3864877.2	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.74E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
5164	478363.09, 3864877.2	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.05E-09	2.63E-09	2.52E-05	7.94E-09	2.31E-09
5165	478863.09, 3864877.2	2.42E-05	7.65E-09	2.23E-09	2.97E-05	9.37E-09	2.73E-09	2.60E-05	8.22E-09	2.39E-09
5166	479363.09, 3864877.2	2.51E-05	7.92E-09	2.30E-09	3.07E-05	9.70E-09	2.82E-09	2.70E-05	8.51E-09	2.47E-09
5167	479863.09, 3864877.2	2.59E-05	8.18E-09	2.38E-09	3.17E-05	1.00E-08	2.91E-09	2.78E-05	8.79E-09	2.56E-09
5168	480363.09, 3864877.2	2.67E-05	8.44E-09	2.45E-09	3.27E-05	1.03E-08	3.01E-09	2.87E-05	9.06E-09	2.64E-09
5169	480863.09, 3864877.2	2.73E-05	8.62E-09	2.51E-09	3.35E-05	1.06E-08	3.07E-09	2.93E-05	9.26E-09	2.69E-09
5170	481363.09, 3864877.2	2.80E-05	8.85E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.50E-09	2.76E-09
5171	481863.09, 3864877.2	2.87E-05	9.06E-09	2.63E-09	3.51E-05	1.11E-08	3.23E-09	3.08E-05	9.73E-09	2.83E-09
5172	482363.09, 3864877.2	2.93E-05	9.26E-09	2.69E-09	3.59E-05	1.13E-08	3.30E-09	3.15E-05	9.95E-09	2.89E-09
5173	482863.09, 3864877.2	2.98E-05	9.41E-09	2.74E-09	3.65E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.94E-09
5174	483363.09, 3864877.2	3.01E-05	9.51E-09	2.77E-09	3.69E-05	1.17E-08	3.39E-09	3.24E-05	1.02E-08	2.97E-09
5175	483863.09, 3864877.2	3.02E-05	9.53E-09	2.77E-09	3.70E-05	1.17E-08	3.40E-09	3.24E-05	1.02E-08	2.98E-09
5176	484363.09, 3864877.2	3.03E-05	9.55E-09	2.78E-09	3.71E-05	1.17E-08	3.40E-09	3.25E-05	1.03E-08	2.99E-09
5177	484863.09, 3864877.2	3.02E-05	9.53E-09	2.77E-09	3.70E-05	1.17E-08	3.39E-09	3.24E-05	1.02E-08	2.98E-09
5178	485363.09, 3864877.2	3.01E-05	9.49E-09	2.76E-09	3.68E-05	1.16E-08	3.38E-09	3.23E-05	1.02E-08	2.97E-09
5179	485863.09, 3864877.2	2.97E-05	9.37E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
5180	486363.09, 3864877.2	2.94E-05	9.28E-09	2.70E-09	3.60E-05	1.14E-08	3.30E-09	3.16E-05	9.97E-09	2.90E-09
5181	486863.09, 3864877.2	2.93E-05	9.24E-09	2.69E-09	3.58E-05	1.13E-08	3.29E-09	3.14E-05	9.92E-09	2.89E-09

5182	487363.09, 3864877.2	2.91E-05	9.17E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.87E-09
5183	487863.09, 3864877.2	2.89E-05	9.12E-09	2.65E-09	3.54E-05	1.12E-08	3.25E-09	3.11E-05	9.80E-09	2.85E-09
5184	488363.09, 3864877.2	2.89E-05	9.13E-09	2.66E-09	3.54E-05	1.12E-08	3.25E-09	3.11E-05	9.81E-09	2.85E-09
5185	488863.09, 3864877.2	2.89E-05	9.12E-09	2.65E-09	3.54E-05	1.12E-08	3.25E-09	3.10E-05	9.79E-09	2.85E-09
5186	489363.09, 3864877.2	2.87E-05	9.05E-09	2.63E-09	3.51E-05	1.11E-08	3.22E-09	3.08E-05	9.72E-09	2.83E-09
5187	489863.09, 3864877.2	2.83E-05	8.94E-09	2.60E-09	3.47E-05	1.10E-08	3.19E-09	3.04E-05	9.61E-09	2.79E-09
5188	490363.09, 3864877.2	2.82E-05	8.92E-09	2.59E-09	3.46E-05	1.09E-08	3.18E-09	3.03E-05	9.58E-09	2.79E-09
5189	490863.09, 3864877.2	2.97E-05	9.37E-09	2.73E-09	3.64E-05	1.15E-08	3.34E-09	3.19E-05	1.01E-08	2.93E-09
5190	491363.09, 3864877.2	2.98E-05	9.39E-09	2.73E-09	3.64E-05	1.15E-08	3.35E-09	3.20E-05	1.01E-08	2.93E-09
5191	491863.09, 3864877.2	3.04E-05	9.58E-09	2.79E-09	3.72E-05	1.17E-08	3.41E-09	3.26E-05	1.03E-08	2.99E-09
5192	492363.09, 3864877.2	1.48E-05	4.67E-09	1.36E-09	1.81E-05	5.72E-09	1.66E-09	1.59E-05	5.02E-09	1.46E-09
5193	492863.09, 3864877.2	2.03E-05	6.39E-09	1.86E-09	2.48E-05	7.83E-09	2.28E-09	2.18E-05	6.87E-09	2.00E-09
5194	493363.09, 3864877.2	1.93E-05	6.09E-09	1.77E-09	2.36E-05	7.45E-09	2.17E-09	2.07E-05	6.54E-09	1.90E-09
5195	493863.09, 3864877.2	2.88E-05	9.08E-09	2.64E-09	3.53E-05	1.11E-08	3.24E-09	3.09E-05	9.75E-09	2.84E-09
5196	494363.09, 3864877.2	3.02E-05	9.54E-09	2.78E-09	3.70E-05	1.17E-08	3.40E-09	3.25E-05	1.02E-08	2.98E-09
5197	494863.09, 3864877.2	3.12E-05	9.85E-09	2.86E-09	3.82E-05	1.21E-08	3.51E-09	3.35E-05	1.06E-08	3.08E-09
5198	495363.09, 3864877.2	3.12E-05	9.84E-09	2.86E-09	3.82E-05	1.21E-08	3.51E-09	3.35E-05	1.06E-08	3.07E-09
5199	495863.09, 3864877.2	3.01E-05	9.50E-09	2.76E-09	3.69E-05	1.16E-08	3.39E-09	3.23E-05	1.02E-08	2.97E-09
5200	496363.09, 3864877.2	2.91E-05	9.17E-09	2.67E-09	3.56E-05	1.12E-08	3.27E-09	3.12E-05	9.85E-09	2.86E-09
5201	496863.09, 3864877.2	2.80E-05	8.85E-09	2.57E-09	3.43E-05	1.08E-08	3.15E-09	3.01E-05	9.50E-09	2.76E-09
5202	497363.09, 3864877.2	2.73E-05	8.61E-09	2.50E-09	3.34E-05	1.05E-08	3.07E-09	2.93E-05	9.24E-09	2.69E-09
5203	497863.09, 3864877.2	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.65E-09
5204	498363.09, 3864877.2	2.66E-05	8.39E-09	2.44E-09	3.26E-05	1.03E-08	2.99E-09	2.85E-05	9.01E-09	2.62E-09
5205	471363.09, 3865377.2	1.46E-05	4.60E-09	1.34E-09	1.79E-05	5.64E-09	1.64E-09	1.57E-05	4.94E-09	1.44E-09
5206	471863.09, 3865377.2	1.49E-05	4.71E-09	1.37E-09	1.83E-05	5.77E-09	1.68E-09	1.60E-05	5.05E-09	1.47E-09
5207	472363.09, 3865377.2	1.52E-05	4.81E-09	1.40E-09	1.87E-05	5.89E-09	1.71E-09	1.64E-05	5.16E-09	1.50E-09
5208	472863.09, 3865377.2	1.56E-05	4.91E-09	1.43E-09	1.91E-05	6.02E-09	1.75E-09	1.67E-05	5.28E-09	1.53E-09
5209	473363.09, 3865377.2	1.58E-05	5.00E-09	1.45E-09	1.94E-05	6.13E-09	1.78E-09	1.70E-05	5.37E-09	1.56E-09
5210	473863.09, 3865377.2	1.62E-05	5.12E-09	1.49E-09	1.99E-05	6.27E-09	1.82E-09	1.74E-05	5.50E-09	1.60E-09
5211	474363.09, 3865377.2	1.67E-05	5.26E-09	1.53E-09	2.04E-05	6.44E-09	1.87E-09	1.79E-05	5.65E-09	1.64E-09
5212	474863.09, 3865377.2	1.72E-05	5.44E-09	1.58E-09	2.11E-05	6.66E-09	1.94E-09	1.85E-05	5.84E-09	1.70E-09
5213	475363.09, 3865377.2	1.78E-05	5.62E-09	1.63E-09	2.18E-05	6.88E-09	2.00E-09	1.91E-05	6.04E-09	1.76E-09
5214	475863.09, 3865377.2	1.85E-05	5.83E-09	1.70E-09	2.26E-05	7.15E-09	2.08E-09	1.99E-05	6.27E-09	1.82E-09
5215	476363.09, 3865377.2	1.94E-05	6.13E-09	1.78E-09	2.38E-05	7.51E-09	2.18E-09	2.09E-05	6.59E-09	1.92E-09
5216	476863.09, 3865377.2	2.01E-05	6.35E-09	1.85E-09	2.47E-05	7.78E-09	2.26E-09	2.16E-05	6.82E-09	1.98E-09
5217	477363.09, 3865377.2	2.08E-05	6.56E-09	1.91E-09	2.54E-05	8.03E-09	2.34E-09	2.23E-05	7.04E-09	2.05E-09
5218	477863.09, 3865377.2	2.13E-05	6.72E-09	1.96E-09	2.61E-05	8.23E-09	2.40E-09	2.29E-05	7.22E-09	2.10E-09
5219	478363.09, 3865377.2	2.21E-05	6.96E-09	2.03E-09	2.70E-05	8.53E-09	2.48E-09	2.37E-05	7.48E-09	2.18E-09
5220	478863.09, 3865377.2	2.27E-05	7.18E-09	2.09E-09	2.78E-05	8.79E-09	2.56E-09	2.44E-05	7.71E-09	2.24E-09
5221	479363.09, 3865377.2	2.35E-05	7.40E-09	2.15E-09	2.87E-05	9.07E-09	2.64E-09	2.52E-05	7.95E-09	2.31E-09
5222	479863.09, 3865377.2	2.42E-05	7.64E-09	2.22E-09	2.97E-05	9.36E-09	2.72E-09	2.60E-05	8.21E-09	2.39E-09
5223	480363.09, 3865377.2	2.47E-05	7.80E-09	2.27E-09	3.03E-05	9.55E-09	2.78E-09	2.65E-05	8.38E-09	2.44E-09
5224	480863.09, 3865377.2	2.52E-05	7.95E-09	2.31E-09	3.09E-05	9.74E-09	2.83E-09	2.71E-05	8.54E-09	2.49E-09
5225	481363.09, 3865377.2	2.58E-05	8.15E-09	2.37E-09	3.16E-05	9.98E-09	2.90E-09	2.77E-05	8.76E-09	2.55E-09
5226	481863.09, 3865377.2	2.64E-05	8.34E-09	2.42E-09	3.23E-05	1.02E-08	2.97E-09	2.84E-05	8.95E-09	2.60E-09
5227	482363.09, 3865377.2	2.69E-05	8.49E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.12E-09	2.65E-09
5228	482863.09, 3865377.2	2.72E-05	8.60E-09	2.50E-09	3.34E-05	1.05E-08	3.06E-09	2.93E-05	9.24E-09	2.69E-09
5229	483363.09, 3865377.2	2.74E-05	8.66E-09	2.52E-09	3.36E-05	1.06E-08	3.09E-09	2.95E-05	9.31E-09	2.71E-09
5230	483863.09, 3865377.2	2.75E-05	8.68E-09	2.53E-09	3.37E-05	1.06E-08	3.09E-09	2.96E-05	9.33E-09	2.71E-09
5231	484363.09, 3865377.2	2.76E-05	8.72E-09	2.54E-09	3.38E-05	1.07E-08	3.10E-09	2.97E-05	9.37E-09	2.72E-09
5232	484863.09, 3865377.2	2.76E-05	8.72E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.97E-05	9.36E-09	2.72E-09
5233	485363.09, 3865377.2	2.74E-05	8.65E-09	2.52E-09	3.36E-05	1.06E-08	3.08E-09	2.94E-05	9.29E-09	2.70E-09
5234	485863.09, 3865377.2	2.70E-05	8.53E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.16E-09	2.67E-09
5235	486363.09, 3865377.2	2.68E-05	8.47E-09	2.46E-09	3.29E-05	1.04E-08	3.02E-09	2.88E-05	9.10E-09	2.65E-09
5236	486863.09, 3865377.2	2.67E-05	8.42E-09	2.45E-09	3.27E-05	1.03E-08	3.00E-09	2.87E-05	9.05E-09	2.63E-09
5237	487363.09, 3865377.2	2.65E-05	8.36E-09	2.43E-09	3.24E-05	1.02E-08	2.98E-09	2.85E-05	8.98E-09	2.61E-09
5238	487863.09, 3865377.2	2.64E-05	8.32E-09	2.42E-09	3.23E-05	1.02E-08	2.97E-09	2.83E-05	8.95E-09	2.60E-09
5239	488363.09, 3865377.2	2.65E-05	8.35E-09	2.43E-09	3.24E-05	1.02E-08	2.98E-09	2.84E-05	8.98E-09	2.61E-09
5240	488863.09, 3865377.2	2.65E-05	8.36E-09	2.43E-09	3.24E-05	1.02E-08	2.98E-09	2.85E-05	8.98E-09	2.61E-09
5241	489363.09, 3865377.2	2.64E-05	8.33E-09	2.42E-09	3.23E-05	1.02E-08	2.97E-09	2.84E-05	8.95E-09	2.60E-09
5242	489863.09, 3865377.2	2.63E-05	8.30E-09	2.42E-09	3.22E-05	1.02E-08	2.96E-09	2.83E-05	8.92E-09	2.59E-09

5243	490363.09, 3865377.2	2.70E-05	8.52E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.15E-09	2.66E-09
5244	490863.09, 3865377.2	2.69E-05	8.50E-09	2.47E-09	3.30E-05	1.04E-08	3.03E-09	2.89E-05	9.13E-09	2.65E-09
5245	491363.09, 3865377.2	2.70E-05	8.53E-09	2.48E-09	3.31E-05	1.04E-08	3.04E-09	2.90E-05	9.16E-09	2.66E-09
5246	491863.09, 3865377.2	2.74E-05	8.64E-09	2.51E-09	3.35E-05	1.06E-08	3.08E-09	2.94E-05	9.28E-09	2.70E-09
5247	492363.09, 3865377.2	2.55E-05	8.05E-09	2.34E-09	3.12E-05	9.86E-09	2.87E-09	2.74E-05	8.64E-09	2.51E-09
5248	492863.09, 3865377.2	2.17E-05	6.83E-09	1.99E-09	2.65E-05	8.37E-09	2.43E-09	2.33E-05	7.34E-09	2.13E-09
5249	493363.09, 3865377.2	1.80E-05	5.68E-09	1.65E-09	2.20E-05	6.96E-09	2.02E-09	1.93E-05	6.10E-09	1.77E-09
5250	493863.09, 3865377.2	2.43E-05	7.67E-09	2.23E-09	2.98E-05	9.40E-09	2.73E-09	2.61E-05	8.24E-09	2.40E-09
5251	494363.09, 3865377.2	2.64E-05	8.32E-09	2.42E-09	3.23E-05	1.02E-08	2.96E-09	2.83E-05	8.94E-09	2.60E-09
5252	494863.09, 3865377.2	2.74E-05	8.65E-09	2.52E-09	3.36E-05	1.06E-08	3.08E-09	2.94E-05	9.29E-09	2.70E-09
5253	495363.09, 3865377.2	2.84E-05	8.96E-09	2.61E-09	3.48E-05	1.10E-08	3.19E-09	3.05E-05	9.62E-09	2.80E-09
5254	495863.09, 3865377.2	2.84E-05	8.95E-09	2.60E-09	3.47E-05	1.10E-08	3.19E-09	3.05E-05	9.61E-09	2.80E-09
5255	496363.09, 3865377.2	2.78E-05	8.77E-09	2.55E-09	3.41E-05	1.07E-08	3.13E-09	2.99E-05	9.42E-09	2.74E-09
5256	496863.09, 3865377.2	2.67E-05	8.43E-09	2.45E-09	3.27E-05	1.03E-08	3.00E-09	2.87E-05	9.05E-09	2.63E-09
5257	497363.09, 3865377.2	2.57E-05	8.11E-09	2.36E-09	3.15E-05	9.94E-09	2.89E-09	2.76E-05	8.71E-09	2.53E-09
5258	497863.09, 3865377.2	2.50E-05	7.89E-09	2.30E-09	3.06E-05	9.67E-09	2.81E-09	2.69E-05	8.48E-09	2.47E-09
5259	498363.09, 3865377.2	2.48E-05	7.81E-09	2.27E-09	3.03E-05	9.57E-09	2.78E-09	2.66E-05	8.39E-09	2.44E-09
5260	471363.09, 3865877.2	1.38E-05	4.37E-09	1.27E-09	1.69E-05	5.35E-09	1.56E-09	1.49E-05	4.69E-09	1.36E-09
5261	471863.09, 3865877.2	1.41E-05	4.45E-09	1.29E-09	1.73E-05	5.45E-09	1.59E-09	1.51E-05	4.78E-09	1.39E-09
5262	472363.09, 3865877.2	1.44E-05	4.56E-09	1.33E-09	1.77E-05	5.58E-09	1.62E-09	1.55E-05	4.90E-09	1.42E-09
5263	472863.09, 3865877.2	1.47E-05	4.62E-09	1.34E-09	1.79E-05	5.66E-09	1.65E-09	1.57E-05	4.97E-09	1.45E-09
5264	473363.09, 3865877.2	1.50E-05	4.72E-09	1.37E-09	1.83E-05	5.79E-09	1.68E-09	1.61E-05	5.08E-09	1.48E-09
5265	473863.09, 3865877.2	1.54E-05	4.86E-09	1.41E-09	1.88E-05	5.95E-09	1.73E-09	1.65E-05	5.22E-09	1.52E-09
5266	474363.09, 3865877.2	1.59E-05	5.00E-09	1.46E-09	1.94E-05	6.13E-09	1.78E-09	1.70E-05	5.38E-09	1.56E-09
5267	474863.09, 3865877.2	1.64E-05	5.19E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.77E-05	5.57E-09	1.62E-09
5268	475363.09, 3865877.2	1.70E-05	5.36E-09	1.56E-09	2.08E-05	6.57E-09	1.91E-09	1.83E-05	5.76E-09	1.68E-09
5269	475863.09, 3865877.2	1.76E-05	5.55E-09	1.62E-09	2.16E-05	6.80E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09
5270	476363.09, 3865877.2	1.85E-05	5.84E-09	1.70E-09	2.27E-05	7.16E-09	2.08E-09	1.99E-05	6.28E-09	1.83E-09
5271	476863.09, 3865877.2	1.91E-05	6.03E-09	1.75E-09	2.34E-05	7.38E-09	2.15E-09	2.05E-05	6.48E-09	1.88E-09
5272	477363.09, 3865877.2	1.98E-05	6.26E-09	1.82E-09	2.43E-05	7.66E-09	2.23E-09	2.13E-05	6.72E-09	1.95E-09
5273	477863.09, 3865877.2	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.82E-09	2.27E-09	2.17E-05	6.86E-09	1.99E-09
5274	478363.09, 3865877.2	2.08E-05	6.57E-09	1.91E-09	2.55E-05	8.05E-09	2.34E-09	2.24E-05	7.06E-09	2.05E-09
5275	478863.09, 3865877.2	2.15E-05	6.77E-09	1.97E-09	2.63E-05	8.30E-09	2.41E-09	2.31E-05	7.28E-09	2.12E-09
5276	479363.09, 3865877.2	2.21E-05	6.97E-09	2.03E-09	2.70E-05	8.53E-09	2.48E-09	2.37E-05	7.48E-09	2.18E-09
5277	479863.09, 3865877.2	2.26E-05	7.12E-09	2.07E-09	2.76E-05	8.72E-09	2.54E-09	2.42E-05	7.65E-09	2.22E-09
5278	480363.09, 3865877.2	2.30E-05	7.25E-09	2.11E-09	2.81E-05	8.88E-09	2.58E-09	2.47E-05	7.79E-09	2.27E-09
5279	480863.09, 3865877.2	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.06E-09	2.63E-09	2.52E-05	7.94E-09	2.31E-09
5280	481363.09, 3865877.2	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.24E-09	2.69E-09	2.57E-05	8.11E-09	2.36E-09
5281	481863.09, 3865877.2	2.44E-05	7.71E-09	2.24E-09	2.99E-05	9.44E-09	2.75E-09	2.62E-05	8.28E-09	2.41E-09
5282	482363.09, 3865877.2	2.48E-05	7.82E-09	2.27E-09	3.03E-05	9.57E-09	2.78E-09	2.66E-05	8.40E-09	2.44E-09
5283	482863.09, 3865877.2	2.50E-05	7.89E-09	2.29E-09	3.06E-05	9.66E-09	2.81E-09	2.68E-05	8.47E-09	2.46E-09
5284	483363.09, 3865877.2	2.52E-05	7.94E-09	2.31E-09	3.08E-05	9.73E-09	2.83E-09	2.70E-05	8.53E-09	2.48E-09
5285	483863.09, 3865877.2	2.53E-05	7.98E-09	2.32E-09	3.10E-05	9.78E-09	2.84E-09	2.72E-05	8.58E-09	2.50E-09
5286	484363.09, 3865877.2	2.55E-05	8.03E-09	2.34E-09	3.12E-05	9.84E-09	2.86E-09	2.74E-05	8.63E-09	2.51E-09
5287	484863.09, 3865877.2	2.54E-05	8.00E-09	2.33E-09	3.10E-05	9.80E-09	2.85E-09	2.72E-05	8.60E-09	2.50E-09
5288	485363.09, 3865877.2	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.68E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
5289	485863.09, 3865877.2	2.47E-05	7.81E-09	2.27E-09	3.03E-05	9.56E-09	2.78E-09	2.66E-05	8.39E-09	2.44E-09
5290	486363.09, 3865877.2	2.45E-05	7.75E-09	2.25E-09	3.01E-05	9.49E-09	2.76E-09	2.64E-05	8.32E-09	2.42E-09
5291	486863.09, 3865877.2	2.44E-05	7.71E-09	2.24E-09	2.99E-05	9.44E-09	2.75E-09	2.62E-05	8.28E-09	2.41E-09
5292	487363.09, 3865877.2	2.42E-05	7.65E-09	2.23E-09	2.97E-05	9.37E-09	2.73E-09	2.60E-05	8.22E-09	2.39E-09
5293	487863.09, 3865877.2	2.43E-05	7.67E-09	2.23E-09	2.98E-05	9.39E-09	2.73E-09	2.61E-05	8.24E-09	2.40E-09
5294	488363.09, 3865877.2	2.43E-05	7.68E-09	2.23E-09	2.98E-05	9.41E-09	2.74E-09	2.62E-05	8.25E-09	2.40E-09
5295	488863.09, 3865877.2	2.45E-05	7.73E-09	2.25E-09	3.00E-05	9.46E-09	2.75E-09	2.63E-05	8.30E-09	2.41E-09
5296	489363.09, 3865877.2	2.45E-05	7.74E-09	2.25E-09	3.00E-05	9.48E-09	2.76E-09	2.63E-05	8.32E-09	2.42E-09
5297	489863.09, 3865877.2	2.44E-05	7.70E-09	2.24E-09	2.99E-05	9.43E-09	2.74E-09	2.62E-05	8.27E-09	2.41E-09
5298	490363.09, 3865877.2	2.45E-05	7.74E-09	2.25E-09	3.01E-05	9.48E-09	2.76E-09	2.64E-05	8.32E-09	2.42E-09
5299	490863.09, 3865877.2	2.46E-05	7.78E-09	2.26E-09	3.02E-05	9.52E-09	2.77E-09	2.65E-05	8.35E-09	2.43E-09
5300	491363.09, 3865877.2	2.45E-05	7.73E-09	2.25E-09	3.00E-05	9.47E-09	2.76E-09	2.63E-05	8.31E-09	2.42E-09
5301	491863.09, 3865877.2	2.47E-05	7.80E-09	2.27E-09	3.03E-05	9.56E-09	2.78E-09	2.66E-05	8.38E-09	2.44E-09
5302	492363.09, 3865877.2	2.45E-05	7.75E-09	2.25E-09	3.01E-05	9.49E-09	2.76E-09	2.64E-05	8.32E-09	2.42E-09
5303	492863.09, 3865877.2	2.07E-05	6.52E-09	1.90E-09	2.53E-05	7.99E-09	2.32E-09	2.22E-05	7.01E-09	2.04E-09

5304	493363.09, 3865877.2	2.10E-05	6.63E-09	1.93E-09	2.57E-05	8.12E-09	2.36E-09	2.25E-05	7.12E-09	2.07E-09
5305	493863.09, 3865877.2	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.05E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
5306	494363.09, 3865877.2	2.45E-05	7.72E-09	2.24E-09	3.00E-05	9.45E-09	2.75E-09	2.63E-05	8.29E-09	2.41E-09
5307	494863.09, 3865877.2	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.62E-09	2.80E-09	2.67E-05	8.43E-09	2.45E-09
5308	495363.09, 3865877.2	2.52E-05	7.94E-09	2.31E-09	3.08E-05	9.73E-09	2.83E-09	2.70E-05	8.53E-09	2.48E-09
5309	495863.09, 3865877.2	2.60E-05	8.20E-09	2.38E-09	3.18E-05	1.00E-08	2.92E-09	2.79E-05	8.80E-09	2.56E-09
5310	496363.09, 3865877.2	2.63E-05	8.29E-09	2.41E-09	3.22E-05	1.02E-08	2.95E-09	2.82E-05	8.90E-09	2.59E-09
5311	496863.09, 3865877.2	2.58E-05	8.15E-09	2.37E-09	3.16E-05	9.98E-09	2.90E-09	2.77E-05	8.75E-09	2.55E-09
5312	497363.09, 3865877.2	2.46E-05	7.78E-09	2.26E-09	3.02E-05	9.53E-09	2.77E-09	2.65E-05	8.35E-09	2.43E-09
5313	497863.09, 3865877.2	2.37E-05	7.48E-09	2.18E-09	2.90E-05	9.16E-09	2.66E-09	2.54E-05	8.03E-09	2.34E-09
5314	498363.09, 3865877.2	2.30E-05	7.26E-09	2.11E-09	2.82E-05	8.89E-09	2.59E-09	2.47E-05	7.79E-09	2.27E-09
5315	471363.09, 3866377.2	1.31E-05	4.13E-09	1.20E-09	1.60E-05	5.06E-09	1.47E-09	1.41E-05	4.44E-09	1.29E-09
5316	471863.09, 3866377.2	1.34E-05	4.22E-09	1.23E-09	1.64E-05	5.17E-09	1.50E-09	1.44E-05	4.54E-09	1.32E-09
5317	472363.09, 3866377.2	1.37E-05	4.31E-09	1.25E-09	1.67E-05	5.28E-09	1.54E-09	1.47E-05	4.63E-09	1.35E-09
5318	472863.09, 3866377.2	1.39E-05	4.38E-09	1.28E-09	1.70E-05	5.37E-09	1.56E-09	1.49E-05	4.71E-09	1.37E-09
5319	473363.09, 3866377.2	1.43E-05	4.50E-09	1.31E-09	1.75E-05	5.52E-09	1.60E-09	1.53E-05	4.84E-09	1.41E-09
5320	473863.09, 3866377.2	1.47E-05	4.63E-09	1.35E-09	1.80E-05	5.67E-09	1.65E-09	1.58E-05	4.97E-09	1.45E-09
5321	474363.09, 3866377.2	1.51E-05	4.78E-09	1.39E-09	1.85E-05	5.85E-09	1.70E-09	1.63E-05	5.13E-09	1.49E-09
5322	474863.09, 3866377.2	1.57E-05	4.95E-09	1.44E-09	1.92E-05	6.06E-09	1.76E-09	1.68E-05	5.32E-09	1.55E-09
5323	475363.09, 3866377.2	1.62E-05	5.10E-09	1.48E-09	1.98E-05	6.25E-09	1.82E-09	1.74E-05	5.48E-09	1.59E-09
5324	475863.09, 3866377.2	1.67E-05	5.26E-09	1.53E-09	2.04E-05	6.44E-09	1.87E-09	1.79E-05	5.65E-09	1.64E-09
5325	476363.09, 3866377.2	1.76E-05	5.55E-09	1.61E-09	2.15E-05	6.80E-09	1.98E-09	1.89E-05	5.96E-09	1.73E-09
5326	476863.09, 3866377.2	1.81E-05	5.70E-09	1.66E-09	2.21E-05	6.98E-09	2.03E-09	1.94E-05	6.13E-09	1.78E-09
5327	477363.09, 3866377.2	1.90E-05	5.99E-09	1.74E-09	2.33E-05	7.34E-09	2.13E-09	2.04E-05	6.44E-09	1.87E-09
5328	477863.09, 3866377.2	1.93E-05	6.10E-09	1.77E-09	2.37E-05	7.47E-09	2.17E-09	2.08E-05	6.55E-09	1.91E-09
5329	478363.09, 3866377.2	1.97E-05	6.22E-09	1.81E-09	2.41E-05	7.61E-09	2.21E-09	2.12E-05	6.68E-09	1.94E-09
5330	478863.09, 3866377.2	2.03E-05	6.40E-09	1.86E-09	2.48E-05	7.84E-09	2.28E-09	2.18E-05	6.87E-09	2.00E-09
5331	479363.09, 3866377.2	2.08E-05	6.56E-09	1.91E-09	2.55E-05	8.04E-09	2.34E-09	2.23E-05	7.05E-09	2.05E-09
5332	479863.09, 3866377.2	2.13E-05	6.71E-09	1.95E-09	2.60E-05	8.22E-09	2.39E-09	2.28E-05	7.21E-09	2.10E-09
5333	480363.09, 3866377.2	2.16E-05	6.82E-09	1.99E-09	2.65E-05	8.36E-09	2.43E-09	2.32E-05	7.33E-09	2.13E-09
5334	480863.09, 3866377.2	2.20E-05	6.93E-09	2.02E-09	2.69E-05	8.49E-09	2.47E-09	2.36E-05	7.45E-09	2.17E-09
5335	481363.09, 3866377.2	2.24E-05	7.08E-09	2.06E-09	2.75E-05	8.67E-09	2.52E-09	2.41E-05	7.60E-09	2.21E-09
5336	481863.09, 3866377.2	2.27E-05	7.17E-09	2.09E-09	2.78E-05	8.78E-09	2.55E-09	2.44E-05	7.70E-09	2.24E-09
5337	482363.09, 3866377.2	2.29E-05	7.23E-09	2.10E-09	2.81E-05	8.86E-09	2.58E-09	2.46E-05	7.77E-09	2.26E-09
5338	482863.09, 3866377.2	2.31E-05	7.29E-09	2.12E-09	2.83E-05	8.93E-09	2.60E-09	2.48E-05	7.83E-09	2.28E-09
5339	483363.09, 3866377.2	2.32E-05	7.33E-09	2.13E-09	2.84E-05	8.98E-09	2.61E-09	2.50E-05	7.88E-09	2.29E-09
5340	483863.09, 3866377.2	2.34E-05	7.38E-09	2.15E-09	2.86E-05	9.04E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
5341	484363.09, 3866377.2	2.34E-05	7.40E-09	2.15E-09	2.87E-05	9.06E-09	2.64E-09	2.52E-05	7.95E-09	2.31E-09
5342	484863.09, 3866377.2	2.34E-05	7.40E-09	2.15E-09	2.87E-05	9.06E-09	2.63E-09	2.52E-05	7.95E-09	2.31E-09
5343	485363.09, 3866377.2	2.31E-05	7.28E-09	2.12E-09	2.82E-05	8.91E-09	2.59E-09	2.48E-05	7.82E-09	2.27E-09
5344	485863.09, 3866377.2	2.27E-05	7.17E-09	2.09E-09	2.78E-05	8.79E-09	2.56E-09	2.44E-05	7.71E-09	2.24E-09
5345	486363.09, 3866377.2	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.74E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
5346	486863.09, 3866377.2	2.25E-05	7.10E-09	2.07E-09	2.76E-05	8.70E-09	2.53E-09	2.42E-05	7.63E-09	2.22E-09
5347	487363.09, 3866377.2	2.29E-05	7.22E-09	2.10E-09	2.80E-05	8.84E-09	2.57E-09	2.46E-05	7.75E-09	2.26E-09
5348	487863.09, 3866377.2	2.32E-05	7.31E-09	2.13E-09	2.84E-05	8.95E-09	2.60E-09	2.49E-05	7.85E-09	2.28E-09
5349	488363.09, 3866377.2	2.32E-05	7.31E-09	2.13E-09	2.84E-05	8.95E-09	2.60E-09	2.49E-05	7.86E-09	2.28E-09
5350	488863.09, 3866377.2	2.34E-05	7.38E-09	2.15E-09	2.86E-05	9.04E-09	2.63E-09	2.51E-05	7.93E-09	2.31E-09
5351	489363.09, 3866377.2	2.33E-05	7.37E-09	2.14E-09	2.86E-05	9.02E-09	2.62E-09	2.51E-05	7.91E-09	2.30E-09
5352	489863.09, 3866377.2	2.31E-05	7.30E-09	2.12E-09	2.83E-05	8.94E-09	2.60E-09	2.48E-05	7.84E-09	2.28E-09
5353	490363.09, 3866377.2	2.27E-05	7.16E-09	2.08E-09	2.78E-05	8.77E-09	2.55E-09	2.44E-05	7.69E-09	2.24E-09
5354	490863.09, 3866377.2	2.24E-05	7.07E-09	2.06E-09	2.74E-05	8.66E-09	2.52E-09	2.41E-05	7.60E-09	2.21E-09
5355	491363.09, 3866377.2	2.26E-05	7.13E-09	2.07E-09	2.77E-05	8.73E-09	2.54E-09	2.43E-05	7.66E-09	2.23E-09
5356	491863.09, 3866377.2	2.23E-05	7.04E-09	2.05E-09	2.73E-05	8.62E-09	2.51E-09	2.39E-05	7.56E-09	2.20E-09
5357	492363.09, 3866377.2	2.26E-05	7.15E-09	2.08E-09	2.77E-05	8.76E-09	2.55E-09	2.43E-05	7.68E-09	2.23E-09
5358	492863.09, 3866377.2	2.14E-05	6.74E-09	1.96E-09	2.62E-05	8.25E-09	2.40E-09	2.29E-05	7.24E-09	2.10E-09
5359	493363.09, 3866377.2	2.15E-05	6.80E-09	1.98E-09	2.64E-05	8.33E-09	2.42E-09	2.31E-05	7.30E-09	2.12E-09
5360	493863.09, 3866377.2	2.26E-05	7.12E-09	2.07E-09	2.76E-05	8.72E-09	2.54E-09	2.42E-05	7.65E-09	2.22E-09
5361	494363.09, 3866377.2	2.33E-05	7.35E-09	2.14E-09	2.85E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
5362	494863.09, 3866377.2	2.29E-05	7.24E-09	2.11E-09	2.81E-05	8.87E-09	2.58E-09	2.46E-05	7.78E-09	2.26E-09
5363	495363.09, 3866377.2	2.22E-05	7.01E-09	2.04E-09	2.72E-05	8.59E-09	2.50E-09	2.39E-05	7.53E-09	2.19E-09
5364	495863.09, 3866377.2	2.26E-05	7.14E-09	2.08E-09	2.77E-05	8.75E-09	2.55E-09	2.43E-05	7.67E-09	2.23E-09

5365	496363.09, 3866377.2	2.40E-05	7.57E-09	2.20E-09	2.94E-05	9.27E-09	2.70E-09	2.57E-05	8.12E-09	2.36E-09
5366	496863.09, 3866377.2	2.42E-05	7.64E-09	2.22E-09	2.96E-05	9.36E-09	2.72E-09	2.60E-05	8.20E-09	2.39E-09
5367	497363.09, 3866377.2	2.38E-05	7.51E-09	2.18E-09	2.91E-05	9.20E-09	2.67E-09	2.55E-05	8.06E-09	2.34E-09
5368	497863.09, 3866377.2	2.28E-05	7.21E-09	2.10E-09	2.80E-05	8.83E-09	2.57E-09	2.45E-05	7.74E-09	2.25E-09
5369	498363.09, 3866377.2	2.08E-05	6.57E-09	1.91E-09	2.55E-05	8.04E-09	2.34E-09	2.23E-05	7.05E-09	2.05E-09
5370	474494.92, 3848334.1	1.52E-05	4.78E-09	1.39E-09	1.86E-05	5.86E-09	1.70E-09	1.63E-05	5.14E-09	1.49E-09
5371	475167.27, 3848920.7	1.73E-05	5.46E-09	1.59E-09	2.12E-05	6.69E-09	1.95E-09	1.86E-05	5.86E-09	1.71E-09
5372	475297.89, 3848997.9	1.76E-05	5.56E-09	1.62E-09	2.16E-05	6.81E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09
5373	475439.05, 3849062	1.76E-05	5.55E-09	1.61E-09	2.15E-05	6.80E-09	1.98E-09	1.89E-05	5.96E-09	1.73E-09
5374	475486.86, 3849061.0	1.75E-05	5.52E-09	1.60E-09	2.14E-05	6.76E-09	1.97E-09	1.88E-05	5.93E-09	1.72E-09
5375	475538.46, 3849075.5	1.76E-05	5.55E-09	1.62E-09	2.16E-05	6.80E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09
5376	475751.79, 3849137.1	1.83E-05	5.79E-09	1.68E-09	2.25E-05	7.09E-09	2.06E-09	1.97E-05	6.22E-09	1.81E-09
5377	476303.62, 3849223.3	1.93E-05	6.08E-09	1.77E-09	2.36E-05	7.44E-09	2.17E-09	2.07E-05	6.53E-09	1.90E-09
5378	476304.51, 3849238.9	1.94E-05	6.11E-09	1.78E-09	2.37E-05	7.48E-09	2.18E-09	2.08E-05	6.56E-09	1.91E-09
5379	476365.04, 3849247.9	1.95E-05	6.14E-09	1.79E-09	2.38E-05	7.52E-09	2.19E-09	2.09E-05	6.60E-09	1.92E-09
5380	476444.86, 3849267.1	1.95E-05	6.15E-09	1.79E-09	2.39E-05	7.53E-09	2.19E-09	2.09E-05	6.60E-09	1.92E-09
5381	476550.75, 3849300.6	1.98E-05	6.24E-09	1.82E-09	2.42E-05	7.65E-09	2.22E-09	2.13E-05	6.71E-09	1.95E-09
5382	476656.71, 3849346.8	2.01E-05	6.33E-09	1.84E-09	2.46E-05	7.75E-09	2.25E-09	2.15E-05	6.80E-09	1.98E-09
5383	476873.55, 3849454.5	2.08E-05	6.57E-09	1.91E-09	2.55E-05	8.05E-09	2.34E-09	2.24E-05	7.06E-09	2.05E-09
5384	477700, 3849859.7	2.38E-05	7.51E-09	2.18E-09	2.91E-05	9.20E-09	2.68E-09	2.56E-05	8.07E-09	2.35E-09
5385	477743.16, 3849856.3	2.35E-05	7.41E-09	2.16E-09	2.88E-05	9.08E-09	2.64E-09	2.52E-05	7.97E-09	2.32E-09
5386	478477.35, 3850216.3	2.55E-05	8.06E-09	2.34E-09	3.13E-05	9.87E-09	2.87E-09	2.74E-05	8.66E-09	2.52E-09
5387	478485.8, 3850201.6	2.55E-05	8.04E-09	2.34E-09	3.12E-05	9.85E-09	2.87E-09	2.74E-05	8.64E-09	2.51E-09
5388	479113.21, 3850501.5	3.09E-05	9.75E-09	2.83E-09	3.78E-05	1.19E-08	3.47E-09	3.32E-05	1.05E-08	3.05E-09
5389	479108.11, 3850382.2	3.07E-05	9.70E-09	2.82E-09	3.76E-05	1.19E-08	3.46E-09	3.30E-05	1.04E-08	3.03E-09
5390	479689.85, 3850674.2	3.66E-05	1.15E-08	3.36E-09	4.48E-05	1.41E-08	4.11E-09	3.93E-05	1.24E-08	3.61E-09
5391	479952.42, 3850774.2	4.03E-05	1.27E-08	3.70E-09	4.94E-05	1.56E-08	4.53E-09	4.33E-05	1.37E-08	3.97E-09
5392	479911.32, 3850884.8	3.97E-05	1.25E-08	3.64E-09	4.86E-05	1.53E-08	4.46E-09	4.26E-05	1.34E-08	3.91E-09
5393	480500.92, 3851178.1	4.87E-05	1.54E-08	4.48E-09	5.97E-05	1.88E-08	5.48E-09	5.24E-05	1.65E-08	4.81E-09
5394	480738.01, 3851289.2	5.26E-05	1.66E-08	4.83E-09	6.44E-05	2.03E-08	5.91E-09	5.65E-05	1.78E-08	5.18E-09
5395	481055.42, 3851443.5	5.76E-05	1.82E-08	5.28E-09	7.05E-05	2.23E-08	6.47E-09	6.18E-05	1.95E-08	5.68E-09
5396	481110.22, 3851443.1	5.81E-05	1.83E-08	5.33E-09	7.11E-05	2.25E-08	6.53E-09	6.24E-05	1.97E-08	5.73E-09
5397	481111.1, 3851417.45	5.77E-05	1.82E-08	5.30E-09	7.07E-05	2.23E-08	6.49E-09	6.20E-05	1.96E-08	5.70E-09
5398	482248.44, 3852605.0	9.83E-05	3.10E-08	9.02E-09	1.20E-04	3.80E-08	1.11E-08	1.06E-04	3.33E-08	9.70E-09
5399	482273.34, 3852632.3	9.99E-05	3.15E-08	9.17E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.39E-08	9.86E-09
5400	482665.46, 3853038.7	1.33E-04	4.21E-08	1.22E-08	1.63E-04	5.15E-08	1.50E-08	1.43E-04	4.52E-08	1.32E-08
5401	483077.95, 3853844.3	1.40E-03	4.41E-07	1.28E-07	1.71E-03	5.40E-07	1.57E-07	1.51E-03	4.76E-07	1.38E-07
5402	483121.38, 3853909.3	1.32E-03	4.16E-07	1.21E-07	1.62E-03	5.10E-07	1.48E-07	1.42E-03	4.49E-07	1.31E-07
5403	483492.64, 3853911.4	6.71E-04	2.12E-07	6.16E-08	8.22E-04	2.59E-07	7.54E-08	7.23E-04	2.28E-07	6.64E-08
5404	483498.29, 3854204.7	9.22E-04	2.91E-07	8.46E-08	1.13E-03	3.56E-07	1.04E-07	9.93E-04	3.13E-07	9.12E-08
5405	484132.44, 3854662.5	1.89E-03	5.95E-07	1.73E-07	2.31E-03	7.29E-07	2.12E-07	2.03E-03	6.41E-07	1.86E-07
5406	484627.62, 3854876.1	7.16E-03	2.26E-06	6.57E-07	8.78E-03	2.77E-06	8.06E-07	7.68E-03	2.42E-06	7.05E-07
5407	484756.14, 3854949.0	6.86E-03	2.17E-06	6.30E-07	8.41E-03	2.65E-06	7.72E-07	7.33E-03	2.31E-06	6.73E-07
5408	486697.51, 3856599.1	6.58E-03	2.08E-06	6.04E-07	8.06E-03	2.55E-06	7.40E-07	7.11E-03	2.24E-06	6.52E-07
5409	487105.31, 3856962.2	6.22E-03	1.96E-06	5.71E-07	7.61E-03	2.40E-06	6.99E-07	6.70E-03	2.12E-06	6.15E-07
5410	487157.57, 3856901.7	4.73E-03	1.49E-06	4.34E-07	5.79E-03	1.83E-06	5.32E-07	5.10E-03	1.61E-06	4.68E-07
5411	487173.5, 3856853.74	4.18E-03	1.32E-06	3.84E-07	5.12E-03	1.62E-06	4.70E-07	4.51E-03	1.42E-06	4.14E-07
5412	487564.41, 3856860.8	2.50E-03	7.90E-07	2.30E-07	3.07E-03	9.68E-07	2.81E-07	2.69E-03	8.50E-07	2.47E-07
5413	487563.31, 3856931.5	2.57E-03	8.12E-07	2.36E-07	3.15E-03	9.95E-07	2.89E-07	2.76E-03	8.72E-07	2.54E-07
5414	487782.7, 3856926.85	2.11E-03	6.65E-07	1.93E-07	2.58E-03	8.14E-07	2.37E-07	2.26E-03	7.13E-07	2.07E-07
5415	487782.39, 3856757.0	1.98E-03	6.24E-07	1.81E-07	2.42E-03	7.64E-07	2.22E-07	2.13E-03	6.71E-07	1.95E-07
5416	487917.26, 3856752.4	1.79E-03	5.66E-07	1.65E-07	2.20E-03	6.93E-07	2.02E-07	1.93E-03	6.09E-07	1.77E-07
5417	487919.57, 3856953.3	1.91E-03	6.04E-07	1.76E-07	2.34E-03	7.39E-07	2.15E-07	2.05E-03	6.46E-07	1.88E-07
5418	487932.76, 3857000.3	1.93E-03	6.08E-07	1.77E-07	2.36E-03	7.44E-07	2.17E-07	2.06E-03	6.50E-07	1.89E-07
5419	487960.5, 3857044.75	1.92E-03	6.06E-07	1.76E-07	2.35E-03	7.42E-07	2.16E-07	2.05E-03	6.46E-07	1.88E-07
5420	488016.54, 3857089.5	1.88E-03	5.92E-07	1.72E-07	2.30E-03	7.25E-07	2.11E-07	2.00E-03	6.31E-07	1.84E-07
5421	488114.39, 3857165.4	1.80E-03	5.68E-07	1.65E-07	2.20E-03	6.95E-07	2.02E-07	1.91E-03	6.04E-07	1.76E-07
5422	488171.49, 3857234.2	1.76E-03	5.56E-07	1.62E-07	2.16E-03	6.81E-07	1.98E-07	1.87E-03	5.91E-07	1.72E-07
5423	488193.16, 3857297.8	1.76E-03	5.55E-07	1.61E-07	2.15E-03	6.80E-07	1.98E-07	1.87E-03	5.90E-07	1.72E-07
5424	488189.27, 3857649.9	1.91E-03	6.02E-07	1.75E-07	2.33E-03	7.37E-07	2.14E-07	2.04E-03	6.44E-07	1.87E-07
5425	488127.43, 3857732.3	2.07E-03	6.52E-07	1.90E-07	2.53E-03	7.99E-07	2.32E-07	2.22E-03	7.00E-07	2.03E-07

5426	488149.93, 3857752.9	1.99E-03	6.29E-07	1.83E-07	2.44E-03	7.70E-07	2.24E-07	2.14E-03	6.74E-07	1.96E-07
5427	488144.76, 3857758.7	2.00E-03	6.32E-07	1.84E-07	2.45E-03	7.74E-07	2.25E-07	2.15E-03	6.78E-07	1.97E-07
5428	488335.58, 3857932.5	1.41E-03	4.44E-07	1.29E-07	1.72E-03	5.44E-07	1.58E-07	1.51E-03	4.77E-07	1.39E-07
5429	488372.29, 3857943.7	1.36E-03	4.28E-07	1.24E-07	1.66E-03	5.24E-07	1.52E-07	1.46E-03	4.59E-07	1.34E-07
5430	488828.64, 3857936.4	1.01E-03	3.19E-07	9.27E-08	1.24E-03	3.90E-07	1.14E-07	1.08E-03	3.42E-07	9.95E-08
5431	488829.08, 3857959.5	1.00E-03	3.16E-07	9.19E-08	1.23E-03	3.87E-07	1.12E-07	1.07E-03	3.39E-07	9.86E-08
5432	488351.61, 3857964.5	1.36E-03	4.30E-07	1.25E-07	1.67E-03	5.26E-07	1.53E-07	1.46E-03	4.62E-07	1.34E-07
5433	488316.87, 3857947.6	1.42E-03	4.47E-07	1.30E-07	1.73E-03	5.47E-07	1.59E-07	1.52E-03	4.80E-07	1.40E-07
5434	488129.1, 3857775.77	2.03E-03	6.41E-07	1.86E-07	2.49E-03	7.84E-07	2.28E-07	2.18E-03	6.87E-07	2.00E-07
5435	488062.53, 3857846.1	2.09E-03	6.61E-07	1.92E-07	2.56E-03	8.09E-07	2.35E-07	2.25E-03	7.10E-07	2.07E-07
5436	488330.41, 3858091.3	1.34E-03	4.23E-07	1.23E-07	1.64E-03	5.18E-07	1.51E-07	1.44E-03	4.55E-07	1.32E-07
5437	488470.87, 3858174.4	1.23E-03	3.88E-07	1.13E-07	1.50E-03	4.75E-07	1.38E-07	1.32E-03	4.17E-07	1.21E-07
5438	488568.9, 3858262.31	1.21E-03	3.81E-07	1.11E-07	1.48E-03	4.67E-07	1.36E-07	1.30E-03	4.11E-07	1.19E-07
5439	488964.27, 3858025.7	9.15E-04	2.89E-07	8.40E-08	1.12E-03	3.54E-07	1.03E-07	9.82E-04	3.10E-07	9.02E-08
5440	489147.25, 3857956.6	8.63E-04	2.73E-07	7.93E-08	1.06E-03	3.34E-07	9.71E-08	9.26E-04	2.92E-07	8.50E-08
5441	489343.52, 3857932.4	8.04E-04	2.54E-07	7.39E-08	9.85E-04	3.11E-07	9.04E-08	8.63E-04	2.72E-07	7.92E-08
5442	489866.19, 3857923.1	6.67E-04	2.11E-07	6.12E-08	8.17E-04	2.58E-07	7.50E-08	7.15E-04	2.26E-07	6.57E-08
5443	489955.65, 3857902.2	6.51E-04	2.06E-07	5.98E-08	7.97E-04	2.52E-07	7.32E-08	6.98E-04	2.20E-07	6.41E-08
5444	490079.44, 3857847.9	6.35E-04	2.00E-07	5.83E-08	7.77E-04	2.45E-07	7.13E-08	6.80E-04	2.15E-07	6.24E-08
5445	490108.49, 3857934.1	6.14E-04	1.94E-07	5.64E-08	7.52E-04	2.37E-07	6.91E-08	6.59E-04	2.08E-07	6.05E-08
5446	489884.48, 3858014.1	6.46E-04	2.04E-07	5.93E-08	7.91E-04	2.50E-07	7.26E-08	6.93E-04	2.19E-07	6.36E-08
5447	489326.56, 3858025.8	7.85E-04	2.48E-07	7.21E-08	9.62E-04	3.04E-07	8.83E-08	8.43E-04	2.66E-07	7.74E-08
5448	489130.38, 3858056.7	8.43E-04	2.66E-07	7.74E-08	1.03E-03	3.26E-07	9.47E-08	9.04E-04	2.85E-07	8.30E-08
5449	488936.49, 3858143.9	9.06E-04	2.86E-07	8.32E-08	1.11E-03	3.50E-07	1.02E-07	9.73E-04	3.07E-07	8.94E-08
5450	488638.08, 3858327.4	1.19E-03	3.77E-07	1.10E-07	1.46E-03	4.62E-07	1.34E-07	1.29E-03	4.06E-07	1.18E-07
5451	488663.79, 3858349.5	1.19E-03	3.75E-07	1.09E-07	1.46E-03	4.60E-07	1.34E-07	1.28E-03	4.04E-07	1.18E-07
5452	488694.56, 3858349.5	1.15E-03	3.63E-07	1.06E-07	1.41E-03	4.45E-07	1.29E-07	1.24E-03	3.91E-07	1.14E-07
5453	488694.35, 3858336.7	1.14E-03	3.59E-07	1.04E-07	1.39E-03	4.39E-07	1.28E-07	1.22E-03	3.86E-07	1.12E-07
5454	488712.81, 3858336.3	1.12E-03	3.52E-07	1.02E-07	1.37E-03	4.31E-07	1.25E-07	1.20E-03	3.79E-07	1.10E-07
5455	488713.23, 3858367.4	1.15E-03	3.62E-07	1.05E-07	1.41E-03	4.44E-07	1.29E-07	1.24E-03	3.90E-07	1.13E-07
5456	488704.63, 3858384.0	1.18E-03	3.72E-07	1.08E-07	1.44E-03	4.56E-07	1.33E-07	1.27E-03	4.01E-07	1.17E-07
5457	488604.15, 3858488.2	1.67E-03	5.27E-07	1.53E-07	2.05E-03	6.46E-07	1.88E-07	1.80E-03	5.68E-07	1.65E-07
5458	488605.66, 3858550.4	2.04E-03	6.44E-07	1.87E-07	2.50E-03	7.89E-07	2.29E-07	2.20E-03	6.95E-07	2.02E-07
5459	488692.68, 3858548.7	1.62E-03	5.11E-07	1.49E-07	1.98E-03	6.26E-07	1.82E-07	1.75E-03	5.51E-07	1.60E-07
5460	488759.93, 3858461.8	1.22E-03	3.84E-07	1.12E-07	1.49E-03	4.70E-07	1.37E-07	1.31E-03	4.14E-07	1.20E-07
5461	488816.57, 3858541.7	1.27E-03	4.01E-07	1.17E-07	1.56E-03	4.91E-07	1.43E-07	1.37E-03	4.32E-07	1.26E-07
5462	488944.63, 3858656.7	1.27E-03	3.99E-07	1.16E-07	1.55E-03	4.89E-07	1.42E-07	1.36E-03	4.31E-07	1.25E-07
5463	489134.91, 3858830.7	1.01E-03	3.19E-07	9.28E-08	1.24E-03	3.91E-07	1.14E-07	1.09E-03	3.44E-07	1.00E-07
5464	489193.99, 3858886.0	7.89E-04	2.49E-07	7.24E-08	9.66E-04	3.05E-07	8.87E-08	8.50E-04	2.68E-07	7.81E-08
5465	489295.2, 3858954.34	5.73E-04	1.81E-07	5.26E-08	7.01E-04	2.21E-07	6.44E-08	6.17E-04	1.95E-07	5.66E-08
5466	489295.64, 3858992.7	5.14E-04	1.62E-07	4.72E-08	6.29E-04	1.99E-07	5.78E-08	5.53E-04	1.75E-07	5.08E-08
5467	489183.74, 3858911.7	7.40E-04	2.33E-07	6.79E-08	9.06E-04	2.86E-07	8.32E-08	7.97E-04	2.52E-07	7.32E-08
5468	488873.37, 3858625.5	1.35E-03	4.26E-07	1.24E-07	1.65E-03	5.22E-07	1.52E-07	1.46E-03	4.60E-07	1.34E-07
5469	488842.84, 3858658.6	1.55E-03	4.90E-07	1.43E-07	1.90E-03	6.01E-07	1.75E-07	1.68E-03	5.29E-07	1.54E-07
5470	488856.39, 3858670.9	1.56E-03	4.91E-07	1.43E-07	1.91E-03	6.01E-07	1.75E-07	1.68E-03	5.30E-07	1.54E-07
5471	488805.7, 3858724.5	2.18E-03	6.88E-07	2.00E-07	2.67E-03	8.43E-07	2.45E-07	2.35E-03	7.43E-07	2.16E-07
5472	488805.87, 3858804.1	3.62E-03	1.14E-06	3.32E-07	4.44E-03	1.40E-06	4.07E-07	3.91E-03	1.23E-06	3.59E-07
5473	488995.78, 3858936.9	8.47E-04	2.67E-07	7.77E-08	1.04E-03	3.27E-07	9.52E-08	9.13E-04	2.88E-07	8.38E-08
5474	489130.76, 3859017.3	5.06E-04	1.60E-07	4.64E-08	6.19E-04	1.95E-07	5.69E-08	5.44E-04	1.72E-07	5.00E-08
5475	489130.92, 3859052.2	4.43E-04	1.40E-07	4.07E-08	5.43E-04	1.71E-07	4.98E-08	4.77E-04	1.51E-07	4.38E-08
5476	489200.33, 3859090.6	3.94E-04	1.24E-07	3.62E-08	4.83E-04	1.52E-07	4.43E-08	4.24E-04	1.34E-07	3.89E-08
5477	489296.07, 3859143.7	3.45E-04	1.09E-07	3.17E-08	4.23E-04	1.34E-07	3.88E-08	3.72E-04	1.17E-07	3.41E-08
5478	489296.43, 3858954.7	5.71E-04	1.80E-07	5.24E-08	7.00E-04	2.21E-07	6.43E-08	6.15E-04	1.94E-07	5.65E-08
5479	489410.33, 3859033.1	4.38E-04	1.38E-07	4.02E-08	5.36E-04	1.69E-07	4.92E-08	4.71E-04	1.49E-07	4.33E-08
5480	489371.37, 3859089.8	3.89E-04	1.23E-07	3.57E-08	4.77E-04	1.51E-07	4.38E-08	4.19E-04	1.32E-07	3.85E-08
5481	489390.52, 3859102.8	3.77E-04	1.19E-07	3.46E-08	4.62E-04	1.46E-07	4.24E-08	4.06E-04	1.28E-07	3.72E-08
5482	489382.3, 3859114.53	3.68E-04	1.16E-07	3.38E-08	4.50E-04	1.42E-07	4.13E-08	3.96E-04	1.25E-07	3.63E-08
5483	489363.04, 3859102.4	3.79E-04	1.20E-07	3.48E-08	4.64E-04	1.46E-07	4.26E-08	4.08E-04	1.29E-07	3.74E-08
5484	489337.52, 3859140.7	3.48E-04	1.10E-07	3.19E-08	4.26E-04	1.34E-07	3.91E-08	3.74E-04	1.18E-07	3.44E-08
5485	489375.14, 3859164.5	3.30E-04	1.04E-07	3.03E-08	4.05E-04	1.28E-07	3.72E-08	3.55E-04	1.12E-07	3.26E-08
5486	489409.3, 3859114.5	3.66E-04	1.16E-07	3.36E-08	4.49E-04	1.42E-07	4.12E-08	3.94E-04	1.24E-07	3.62E-08

5487	489434.87, 3859131.8	3.52E-04	1.11E-07	3.23E-08	4.31E-04	1.36E-07	3.96E-08	3.79E-04	1.20E-07	3.48E-08
5488	489471.87, 3859075.7	3.91E-04	1.23E-07	3.59E-08	4.79E-04	1.51E-07	4.40E-08	4.21E-04	1.33E-07	3.86E-08
5489	489602.62, 3859164.6	3.24E-04	1.02E-07	2.97E-08	3.96E-04	1.25E-07	3.64E-08	3.48E-04	1.10E-07	3.20E-08
5490	489558.29, 3859232.4	2.91E-04	9.19E-08	2.67E-08	3.57E-04	1.13E-07	3.27E-08	3.13E-04	9.88E-08	2.87E-08
5491	489620.11, 3859273.5	2.73E-04	8.60E-08	2.50E-08	3.34E-04	1.05E-07	3.07E-08	2.93E-04	9.25E-08	2.69E-08
5492	489666.06, 3859206.4	3.00E-04	9.48E-08	2.76E-08	3.68E-04	1.16E-07	3.38E-08	3.23E-04	1.02E-07	2.97E-08
5493	489787.9, 3859285.65	2.66E-04	8.38E-08	2.44E-08	3.25E-04	1.03E-07	2.99E-08	2.86E-04	9.01E-08	2.62E-08
5494	489752.17, 3859343.1	2.47E-04	7.79E-08	2.27E-08	3.02E-04	9.55E-08	2.78E-08	2.65E-04	8.38E-08	2.44E-08
5495	489814.94, 3859385.3	2.34E-04	7.39E-08	2.15E-08	2.87E-04	9.05E-08	2.63E-08	2.52E-04	7.94E-08	2.31E-08
5496	489853.42, 3859330.7	2.50E-04	7.88E-08	2.29E-08	3.06E-04	9.65E-08	2.81E-08	2.68E-04	8.47E-08	2.46E-08
5497	489969.5, 3859401.91	2.28E-04	7.21E-08	2.10E-08	2.80E-04	8.83E-08	2.57E-08	2.46E-04	7.75E-08	2.25E-08
5498	490166.91, 3859486.9	2.07E-04	6.53E-08	1.90E-08	2.53E-04	8.00E-08	2.33E-08	2.22E-04	7.02E-08	2.04E-08
5499	490128.86, 3859571.4	1.90E-04	6.01E-08	1.75E-08	2.33E-04	7.36E-08	2.14E-08	2.05E-04	6.46E-08	1.88E-08
5500	490186.65, 3859593.6	1.86E-04	5.88E-08	1.71E-08	2.28E-04	7.21E-08	2.10E-08	2.00E-04	6.32E-08	1.84E-08
5501	490223.74, 3859517.4	2.01E-04	6.33E-08	1.84E-08	2.46E-04	7.75E-08	2.25E-08	2.15E-04	6.80E-08	1.98E-08
5502	490846.34, 3859817.2	1.56E-04	4.91E-08	1.43E-08	1.91E-04	6.02E-08	1.75E-08	1.67E-04	5.28E-08	1.54E-08
5503	490925.65, 3859844.5	1.53E-04	4.82E-08	1.40E-08	1.87E-04	5.91E-08	1.72E-08	1.64E-04	5.18E-08	1.51E-08
5504	491159.29, 3859896.2	1.46E-04	4.62E-08	1.34E-08	1.79E-04	5.66E-08	1.65E-08	1.57E-04	4.96E-08	1.44E-08
5505	491370.69, 3859960.8	1.39E-04	4.39E-08	1.28E-08	1.70E-04	5.38E-08	1.56E-08	1.49E-04	4.71E-08	1.37E-08
5506	491330.28, 3860063.1	1.29E-04	4.06E-08	1.18E-08	1.57E-04	4.97E-08	1.45E-08	1.38E-04	4.36E-08	1.27E-08
5507	491636.45, 3860180.7	1.20E-04	3.79E-08	1.10E-08	1.47E-04	4.64E-08	1.35E-08	1.29E-04	4.07E-08	1.18E-08
5508	491617.94, 3860203.9	1.18E-04	3.72E-08	1.08E-08	1.44E-04	4.56E-08	1.33E-08	1.27E-04	4.00E-08	1.16E-08
5509	491805.68, 3860271.5	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
5510	491654.23, 3860414.0	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
5511	491592.62, 3860510.7	9.75E-05	3.08E-08	8.95E-09	1.19E-04	3.77E-08	1.10E-08	1.05E-04	3.31E-08	9.62E-09
5512	491475.41, 3860368.9	1.05E-04	3.32E-08	9.64E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.04E-08
5513	491445.61, 3860337.2	1.07E-04	3.37E-08	9.82E-09	1.31E-04	4.13E-08	1.20E-08	1.15E-04	3.62E-08	1.05E-08
5514	491399.05, 3860300.3	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.18E-04	3.71E-08	1.08E-08
5515	491228.84, 3860235.9	1.14E-04	3.58E-08	1.04E-08	1.39E-04	4.39E-08	1.28E-08	1.22E-04	3.85E-08	1.12E-08
5516	491228.47, 3860174.5	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
5517	491145.77, 3860112.5	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.78E-08	1.39E-08	1.33E-04	4.19E-08	1.22E-08
5518	490844.41, 3859966.2	1.38E-04	4.37E-08	1.27E-08	1.70E-04	5.35E-08	1.56E-08	1.49E-04	4.69E-08	1.37E-08
5519	490845.55, 3859928.1	1.42E-04	4.50E-08	1.31E-08	1.74E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.40E-08
5520	490046.91, 3859625.6	1.82E-04	5.73E-08	1.67E-08	2.23E-04	7.02E-08	2.04E-08	1.95E-04	6.16E-08	1.79E-08
5521	489970.48, 3859589.4	1.88E-04	5.94E-08	1.73E-08	2.31E-04	7.28E-08	2.12E-08	2.02E-04	6.39E-08	1.86E-08
5522	489865.89, 3859529.0	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.74E-08	2.25E-08	2.15E-04	6.79E-08	1.97E-08
5523	489826.89, 3859531.7	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.74E-08	2.25E-08	2.15E-04	6.79E-08	1.97E-08
5524	489410.47, 3859303.0	2.63E-04	8.31E-08	2.42E-08	3.22E-04	1.02E-07	2.96E-08	2.83E-04	8.93E-08	2.60E-08
5525	489407.15, 3859286.0	2.69E-04	8.49E-08	2.47E-08	3.30E-04	1.04E-07	3.03E-08	2.89E-04	9.13E-08	2.66E-08
5526	488806.07, 3858963.6	6.47E-04	2.04E-07	5.94E-08	7.93E-04	2.50E-07	7.28E-08	6.98E-04	2.20E-07	6.41E-08
5527	488817.64, 3859546.3	2.00E-04	6.31E-08	1.84E-08	2.45E-04	7.73E-08	2.25E-08	2.15E-04	6.78E-08	1.97E-08
5528	489187.25, 3859549.5	2.04E-04	6.44E-08	1.87E-08	2.50E-04	7.89E-08	2.30E-08	2.19E-04	6.92E-08	2.01E-08
5529	489187.66, 3859523.7	2.10E-04	6.61E-08	1.92E-08	2.57E-04	8.10E-08	2.36E-08	2.25E-04	7.11E-08	2.07E-08
5530	489232.59, 3859522.8	2.11E-04	6.65E-08	1.93E-08	2.58E-04	8.14E-08	2.37E-08	2.26E-04	7.14E-08	2.08E-08
5531	489224.98, 3859759.9	1.69E-04	5.34E-08	1.55E-08	2.07E-04	6.54E-08	1.90E-08	1.82E-04	5.74E-08	1.67E-08
5532	488401.39, 3859763.3	1.61E-04	5.08E-08	1.48E-08	1.97E-04	6.22E-08	1.81E-08	1.73E-04	5.46E-08	1.59E-08
5533	488405.51, 3859966.1	1.39E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.73E-08	1.38E-08
5534	489202.85, 3859956.5	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.65E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
5535	489191.9, 3860676.74	9.57E-05	3.02E-08	8.78E-09	1.17E-04	3.70E-08	1.08E-08	1.03E-04	3.24E-08	9.43E-09
5536	488392.82, 3860687.8	9.41E-05	2.97E-08	8.64E-09	1.15E-04	3.64E-08	1.06E-08	1.01E-04	3.19E-08	9.28E-09
5537	488392.82, 3860760.2	9.16E-05	2.89E-08	8.41E-09	1.12E-04	3.54E-08	1.03E-08	9.84E-05	3.11E-08	9.04E-09
5538	487549.05, 3860777.4	8.86E-05	2.80E-08	8.14E-09	1.09E-04	3.43E-08	9.96E-09	9.52E-05	3.01E-08	8.74E-09
5539	487554.62, 3859571.8	1.72E-04	5.43E-08	1.58E-08	2.11E-04	6.65E-08	1.93E-08	1.85E-04	5.83E-08	1.70E-08
5540	485949.46, 3859558.5	1.48E-04	4.67E-08	1.36E-08	1.81E-04	5.72E-08	1.66E-08	1.59E-04	5.02E-08	1.46E-08
5541	485947.55, 3857943.6	4.08E-04	1.29E-07	3.75E-08	5.00E-04	1.58E-07	4.59E-08	4.38E-04	1.38E-07	4.02E-08
5542	484738.38, 3857940.2	2.63E-04	8.29E-08	2.41E-08	3.22E-04	1.01E-07	2.95E-08	2.82E-04	8.91E-08	2.59E-08
5543	484737.06, 3857535.6	3.22E-04	1.02E-07	2.96E-08	3.95E-04	1.25E-07	3.62E-08	3.47E-04	1.09E-07	3.18E-08
5544	483730.2, 3857530.13	2.31E-04	7.30E-08	2.12E-08	2.83E-04	8.95E-08	2.60E-08	2.49E-04	7.85E-08	2.28E-08
5545	483727.27, 3857130.0	2.71E-04	8.54E-08	2.49E-08	3.32E-04	1.05E-07	3.04E-08	2.91E-04	9.18E-08	2.67E-08
5546	483124.42, 3857123.4	2.19E-04	6.93E-08	2.01E-08	2.69E-04	8.48E-08	2.47E-08	2.36E-04	7.44E-08	2.16E-08
5547	483111.13, 3855921.0	3.22E-04	1.02E-07	2.96E-08	3.95E-04	1.25E-07	3.62E-08	3.46E-04	1.09E-07	3.18E-08

5548	482701.73, 3855918.2	2.65E-04	8.36E-08	2.43E-08	3.24E-04	1.02E-07	2.98E-08	2.84E-04	8.97E-08	2.61E-08
5549	482668.02, 3853521.7	2.85E-04	9.00E-08	2.62E-08	3.49E-04	1.10E-07	3.21E-08	3.07E-04	9.70E-08	2.82E-08
5550	482579.91, 3853219.1	1.52E-04	4.79E-08	1.39E-08	1.86E-04	5.86E-08	1.71E-08	1.63E-04	5.15E-08	1.50E-08
5551	482434.06, 3852961.9	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.70E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
5552	482332.11, 3852832.8	1.11E-04	3.50E-08	1.02E-08	1.36E-04	4.29E-08	1.25E-08	1.19E-04	3.76E-08	1.09E-08
5553	481334.99, 3851818.9	6.53E-05	2.06E-08	5.99E-09	8.00E-05	2.52E-08	7.34E-09	7.01E-05	2.21E-08	6.44E-09
5554	481127.62, 3851646.3	6.03E-05	1.90E-08	5.54E-09	7.39E-05	2.33E-08	6.79E-09	6.48E-05	2.05E-08	5.95E-09
5555	481025.04, 3851591.7	5.84E-05	1.84E-08	5.36E-09	7.15E-05	2.26E-08	6.57E-09	6.27E-05	1.98E-08	5.76E-09
5556	480513.6, 3851335.76	4.91E-05	1.55E-08	4.51E-09	6.01E-05	1.90E-08	5.52E-09	5.27E-05	1.66E-08	4.84E-09
5557	480523.56, 3851317.6	4.93E-05	1.55E-08	4.52E-09	6.03E-05	1.90E-08	5.54E-09	5.29E-05	1.67E-08	4.86E-09
5558	476921.56, 3849569.1	2.21E-05	6.96E-09	2.02E-09	2.70E-05	8.52E-09	2.48E-09	2.37E-05	7.48E-09	2.18E-09
5559	476521.19, 3849373.9	2.05E-05	6.47E-09	1.88E-09	2.51E-05	7.92E-09	2.31E-09	2.20E-05	6.95E-09	2.02E-09
5560	476391.45, 3849333.3	2.03E-05	6.40E-09	1.86E-09	2.48E-05	7.84E-09	2.28E-09	2.18E-05	6.88E-09	2.00E-09
5561	476219.41, 3849304.2	2.01E-05	6.35E-09	1.85E-09	2.46E-05	7.78E-09	2.26E-09	2.16E-05	6.82E-09	1.98E-09
5562	475679.11, 3849218.4	1.92E-05	6.06E-09	1.76E-09	2.35E-05	7.42E-09	2.16E-09	2.06E-05	6.51E-09	1.89E-09
5563	475677.71, 3849233.8	1.93E-05	6.09E-09	1.77E-09	2.36E-05	7.46E-09	2.17E-09	2.07E-05	6.55E-09	1.90E-09
5564	475492.74, 3849204.6	1.75E-05	5.53E-09	1.61E-09	2.14E-05	6.77E-09	1.97E-09	1.88E-05	5.94E-09	1.73E-09
5565	475497.64, 3849158.7	1.79E-05	5.65E-09	1.64E-09	2.19E-05	6.93E-09	2.01E-09	1.92E-05	6.07E-09	1.77E-09
5566	475391.35, 3849141.9	1.83E-05	5.79E-09	1.68E-09	2.25E-05	7.09E-09	2.06E-09	1.97E-05	6.22E-09	1.81E-09
5567	475277, 3849095.47	1.83E-05	5.77E-09	1.68E-09	2.24E-05	7.07E-09	2.06E-09	1.96E-05	6.20E-09	1.80E-09
5568	475183.93, 3849025.6	1.79E-05	5.66E-09	1.65E-09	2.20E-05	6.93E-09	2.02E-09	1.93E-05	6.08E-09	1.77E-09
5569	474453.23, 3848378.7	1.55E-05	4.89E-09	1.42E-09	1.90E-05	5.99E-09	1.74E-09	1.67E-05	5.26E-09	1.53E-09
5570	474569.63, 3848399.3	1.54E-05	4.86E-09	1.41E-09	1.89E-05	5.96E-09	1.73E-09	1.66E-05	5.22E-09	1.52E-09
5571	474644.33, 3848464.5	1.57E-05	4.94E-09	1.44E-09	1.92E-05	6.06E-09	1.76E-09	1.68E-05	5.31E-09	1.54E-09
5572	474719.04, 3848529.7	1.59E-05	5.02E-09	1.46E-09	1.95E-05	6.15E-09	1.79E-09	1.71E-05	5.39E-09	1.57E-09
5573	474793.74, 3848594.8	1.60E-05	5.06E-09	1.47E-09	1.96E-05	6.20E-09	1.80E-09	1.72E-05	5.44E-09	1.58E-09
5574	474868.45, 3848660.0	1.61E-05	5.08E-09	1.48E-09	1.97E-05	6.22E-09	1.81E-09	1.73E-05	5.46E-09	1.59E-09
5575	474943.15, 3848725.2	1.63E-05	5.14E-09	1.49E-09	1.99E-05	6.29E-09	1.83E-09	1.75E-05	5.52E-09	1.61E-09
5576	475017.86, 3848790.4	1.66E-05	5.23E-09	1.52E-09	2.03E-05	6.41E-09	1.86E-09	1.78E-05	5.62E-09	1.63E-09
5577	475092.56, 3848855.6	1.69E-05	5.35E-09	1.56E-09	2.08E-05	6.55E-09	1.91E-09	1.82E-05	5.75E-09	1.67E-09
5578	475232.58, 3848959.3	1.75E-05	5.51E-09	1.60E-09	2.14E-05	6.76E-09	1.96E-09	1.88E-05	5.92E-09	1.72E-09
5579	475368.47, 3849029.9	1.77E-05	5.58E-09	1.62E-09	2.17E-05	6.84E-09	1.99E-09	1.90E-05	6.00E-09	1.74E-09
5580	475609.57, 3849096.0	1.78E-05	5.62E-09	1.63E-09	2.18E-05	6.89E-09	2.00E-09	1.91E-05	6.04E-09	1.76E-09
5581	475680.68, 3849116.6	1.82E-05	5.74E-09	1.67E-09	2.23E-05	7.03E-09	2.04E-09	1.95E-05	6.16E-09	1.79E-09
5582	475843.76, 3849151.5	1.86E-05	5.88E-09	1.71E-09	2.28E-05	7.20E-09	2.09E-09	2.00E-05	6.31E-09	1.84E-09
5583	475935.73, 3849165.8	1.90E-05	6.01E-09	1.75E-09	2.33E-05	7.36E-09	2.14E-09	2.05E-05	6.46E-09	1.88E-09
5584	476027.71, 3849180.2	1.94E-05	6.11E-09	1.78E-09	2.37E-05	7.49E-09	2.18E-09	2.08E-05	6.57E-09	1.91E-09
5585	476119.68, 3849194.6	1.91E-05	6.04E-09	1.76E-09	2.34E-05	7.40E-09	2.15E-09	2.06E-05	6.49E-09	1.89E-09
5586	476211.65, 3849209.0	1.92E-05	6.05E-09	1.76E-09	2.35E-05	7.41E-09	2.16E-09	2.06E-05	6.50E-09	1.89E-09
5587	476497.81, 3849283.9	1.96E-05	6.19E-09	1.80E-09	2.40E-05	7.59E-09	2.21E-09	2.11E-05	6.66E-09	1.94E-09
5588	476603.73, 3849323.7	1.99E-05	6.29E-09	1.83E-09	2.44E-05	7.71E-09	2.24E-09	2.14E-05	6.76E-09	1.97E-09
5589	476728.99, 3849382.7	2.03E-05	6.41E-09	1.87E-09	2.49E-05	7.86E-09	2.29E-09	2.18E-05	6.89E-09	2.00E-09
5590	476801.27, 3849418.6	2.06E-05	6.50E-09	1.89E-09	2.52E-05	7.96E-09	2.32E-09	2.21E-05	6.98E-09	2.03E-09
5591	476956.2, 3849495.05	2.12E-05	6.68E-09	1.94E-09	2.59E-05	8.19E-09	2.38E-09	2.28E-05	7.18E-09	2.09E-09
5592	477038.84, 3849535.5	2.13E-05	6.73E-09	1.96E-09	2.61E-05	8.25E-09	2.40E-09	2.29E-05	7.23E-09	2.10E-09
5593	477121.49, 3849576.0	2.16E-05	6.82E-09	1.98E-09	2.65E-05	8.36E-09	2.43E-09	2.32E-05	7.33E-09	2.13E-09
5594	477204.13, 3849616.6	2.18E-05	6.88E-09	2.00E-09	2.67E-05	8.43E-09	2.45E-09	2.34E-05	7.39E-09	2.15E-09
5595	477286.78, 3849657.1	2.16E-05	6.81E-09	1.98E-09	2.64E-05	8.34E-09	2.43E-09	2.32E-05	7.32E-09	2.13E-09
5596	477369.42, 3849697.6	2.23E-05	7.05E-09	2.05E-09	2.73E-05	8.63E-09	2.51E-09	2.40E-05	7.57E-09	2.20E-09
5597	477452.07, 3849738.1	2.25E-05	7.09E-09	2.06E-09	2.75E-05	8.68E-09	2.53E-09	2.41E-05	7.62E-09	2.22E-09
5598	477534.71, 3849778.6	2.31E-05	7.29E-09	2.12E-09	2.83E-05	8.92E-09	2.60E-09	2.48E-05	7.83E-09	2.28E-09
5599	477617.36, 3849819.1	2.33E-05	7.35E-09	2.14E-09	2.85E-05	9.01E-09	2.62E-09	2.50E-05	7.90E-09	2.30E-09
5600	477824.74, 3849896.3	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.25E-09	2.69E-09	2.57E-05	8.12E-09	2.36E-09
5601	477906.31, 3849936.3	2.36E-05	7.44E-09	2.16E-09	2.89E-05	9.11E-09	2.65E-09	2.53E-05	7.99E-09	2.33E-09
5602	477987.89, 3849976.3	2.41E-05	7.60E-09	2.21E-09	2.95E-05	9.31E-09	2.71E-09	2.59E-05	8.17E-09	2.38E-09
5603	478069.47, 3850016.3	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.25E-09	2.69E-09	2.57E-05	8.11E-09	2.36E-09
5604	478151.04, 3850056.3	2.38E-05	7.52E-09	2.19E-09	2.92E-05	9.21E-09	2.68E-09	2.56E-05	8.08E-09	2.35E-09
5605	478232.62, 3850096.3	2.42E-05	7.63E-09	2.22E-09	2.96E-05	9.35E-09	2.72E-09	2.60E-05	8.20E-09	2.39E-09
5606	478314.2, 3850136.34	2.46E-05	7.76E-09	2.26E-09	3.01E-05	9.51E-09	2.77E-09	2.64E-05	8.34E-09	2.43E-09
5607	478395.77, 3850176.3	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.69E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
5608	478575.43, 3850244.4	2.61E-05	8.24E-09	2.40E-09	3.20E-05	1.01E-08	2.94E-09	2.81E-05	8.86E-09	2.58E-09

5609	478665.06, 3850287.2	2.68E-05	8.46E-09	2.46E-09	3.29E-05	1.04E-08	3.02E-09	2.88E-05	9.10E-09	2.65E-09
5610	478754.69, 3850330.1	2.76E-05	8.70E-09	2.53E-09	3.38E-05	1.07E-08	3.10E-09	2.96E-05	9.35E-09	2.72E-09
5611	478844.32, 3850372.9	2.84E-05	8.97E-09	2.61E-09	3.48E-05	1.10E-08	3.19E-09	3.05E-05	9.64E-09	2.80E-09
5612	478933.95, 3850415.8	2.94E-05	9.26E-09	2.69E-09	3.60E-05	1.13E-08	3.30E-09	3.15E-05	9.96E-09	2.90E-09
5613	479023.58, 3850458.6	3.00E-05	9.45E-09	2.75E-09	3.67E-05	1.16E-08	3.37E-09	3.22E-05	1.02E-08	2.96E-09
5614	479110.66, 3850441.9	3.08E-05	9.73E-09	2.83E-09	3.78E-05	1.19E-08	3.47E-09	3.31E-05	1.05E-08	3.04E-09
5615	479191.22, 3850423.9	3.16E-05	9.98E-09	2.90E-09	3.87E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
5616	479274.32, 3850465.7	3.24E-05	1.02E-08	2.98E-09	3.97E-05	1.25E-08	3.65E-09	3.49E-05	1.10E-08	3.20E-09
5617	479357.43, 3850507.4	3.32E-05	1.05E-08	3.04E-09	4.06E-05	1.28E-08	3.73E-09	3.56E-05	1.12E-08	3.27E-09
5618	479440.53, 3850549.1	3.38E-05	1.07E-08	3.10E-09	4.14E-05	1.31E-08	3.80E-09	3.63E-05	1.15E-08	3.33E-09
5619	479523.64, 3850590.8	3.46E-05	1.09E-08	3.18E-09	4.24E-05	1.34E-08	3.89E-09	3.72E-05	1.17E-08	3.42E-09
5620	479606.74, 3850632.5	3.56E-05	1.12E-08	3.27E-09	4.36E-05	1.38E-08	4.00E-09	3.83E-05	1.21E-08	3.51E-09
5621	479777.37, 3850707.6	3.77E-05	1.19E-08	3.46E-09	4.62E-05	1.46E-08	4.24E-09	4.05E-05	1.28E-08	3.72E-09
5622	479864.9, 3850740.95	3.90E-05	1.23E-08	3.58E-09	4.78E-05	1.51E-08	4.39E-09	4.19E-05	1.32E-08	3.85E-09
5623	479931.87, 3850829.5	4.00E-05	1.26E-08	3.67E-09	4.89E-05	1.54E-08	4.49E-09	4.29E-05	1.36E-08	3.94E-09
5624	479995.55, 3850926.7	4.10E-05	1.29E-08	3.76E-09	5.02E-05	1.58E-08	4.61E-09	4.40E-05	1.39E-08	4.04E-09
5625	480079.78, 3850968.6	4.23E-05	1.33E-08	3.88E-09	5.18E-05	1.63E-08	4.76E-09	4.54E-05	1.43E-08	4.17E-09
5626	480164.01, 3851010.5	4.36E-05	1.38E-08	4.00E-09	5.34E-05	1.69E-08	4.90E-09	4.68E-05	1.48E-08	4.30E-09
5627	480248.23, 3851052.4	4.48E-05	1.42E-08	4.12E-09	5.49E-05	1.73E-08	5.04E-09	4.82E-05	1.52E-08	4.42E-09
5628	480332.46, 3851094.3	4.62E-05	1.46E-08	4.24E-09	5.65E-05	1.78E-08	5.19E-09	4.96E-05	1.57E-08	4.55E-09
5629	480416.69, 3851136.2	4.74E-05	1.50E-08	4.35E-09	5.81E-05	1.83E-08	5.33E-09	5.10E-05	1.61E-08	4.68E-09
5630	480579.95, 3851215.1	5.00E-05	1.58E-08	4.59E-09	6.13E-05	1.93E-08	5.62E-09	5.37E-05	1.70E-08	4.93E-09
5631	480658.98, 3851252.2	5.13E-05	1.62E-08	4.71E-09	6.28E-05	1.98E-08	5.77E-09	5.51E-05	1.74E-08	5.06E-09
5632	480817.36, 3851327.8	5.38E-05	1.70E-08	4.94E-09	6.59E-05	2.08E-08	6.05E-09	5.78E-05	1.83E-08	5.31E-09
5633	480896.72, 3851366.4	5.51E-05	1.74E-08	5.06E-09	6.75E-05	2.13E-08	6.20E-09	5.92E-05	1.87E-08	5.43E-09
5634	480976.07, 3851405	5.63E-05	1.78E-08	5.17E-09	6.90E-05	2.18E-08	6.33E-09	6.05E-05	1.91E-08	5.56E-09
5635	481178, 3851487.31	5.92E-05	1.87E-08	5.44E-09	7.26E-05	2.29E-08	6.66E-09	6.37E-05	2.01E-08	5.84E-09
5636	481244.9, 3851557.17	6.08E-05	1.92E-08	5.58E-09	7.45E-05	2.35E-08	6.84E-09	6.53E-05	2.06E-08	6.00E-09
5637	481311.81, 3851627.0	6.25E-05	1.97E-08	5.74E-09	7.65E-05	2.42E-08	7.03E-09	6.71E-05	2.12E-08	6.16E-09
5638	481378.71, 3851696.8	6.43E-05	2.03E-08	5.90E-09	7.87E-05	2.48E-08	7.23E-09	6.90E-05	2.18E-08	6.34E-09
5639	481445.61, 3851766.7	6.61E-05	2.09E-08	6.07E-09	8.10E-05	2.56E-08	7.43E-09	7.10E-05	2.24E-08	6.52E-09
5640	481512.51, 3851836.6	6.81E-05	2.15E-08	6.25E-09	8.34E-05	2.63E-08	7.66E-09	7.32E-05	2.31E-08	6.72E-09
5641	481579.42, 3851906.4	7.02E-05	2.22E-08	6.44E-09	8.60E-05	2.71E-08	7.89E-09	7.54E-05	2.38E-08	6.92E-09
5642	481646.32, 3851976.3	7.24E-05	2.29E-08	6.65E-09	8.87E-05	2.80E-08	8.14E-09	7.78E-05	2.46E-08	7.14E-09
5643	481713.22, 3852046.2	7.48E-05	2.36E-08	6.87E-09	9.17E-05	2.89E-08	8.42E-09	8.04E-05	2.54E-08	7.38E-09
5644	481780.12, 3852116.0	7.73E-05	2.44E-08	7.10E-09	9.47E-05	2.99E-08	8.69E-09	8.31E-05	2.62E-08	7.63E-09
5645	481847.03, 3852185.9	7.99E-05	2.52E-08	7.33E-09	9.78E-05	3.09E-08	8.98E-09	8.58E-05	2.71E-08	7.88E-09
5646	481913.93, 3852255.7	8.25E-05	2.60E-08	7.57E-09	1.01E-04	3.19E-08	9.28E-09	8.86E-05	2.80E-08	8.14E-09
5647	481980.83, 3852325.6	8.50E-05	2.68E-08	7.81E-09	1.04E-04	3.29E-08	9.56E-09	9.14E-05	2.88E-08	8.39E-09
5648	482047.73, 3852395.5	8.80E-05	2.78E-08	8.08E-09	1.08E-04	3.40E-08	9.90E-09	9.46E-05	2.99E-08	8.68E-09
5649	482114.64, 3852465.3	9.09E-05	2.87E-08	8.35E-09	1.11E-04	3.52E-08	1.02E-08	9.77E-05	3.08E-08	8.97E-09
5650	482181.54, 3852535.2	9.46E-05	2.99E-08	8.69E-09	1.16E-04	3.66E-08	1.06E-08	1.02E-04	3.21E-08	9.34E-09
5651	482338.69, 3852700.0	1.04E-04	3.28E-08	9.53E-09	1.27E-04	4.01E-08	1.17E-08	1.12E-04	3.52E-08	1.02E-08
5652	482404.05, 3852767.7	1.08E-04	3.41E-08	9.93E-09	1.33E-04	4.18E-08	1.22E-08	1.16E-04	3.67E-08	1.07E-08
5653	482469.4, 3852835.52	1.13E-04	3.57E-08	1.04E-08	1.38E-04	4.37E-08	1.27E-08	1.21E-04	3.83E-08	1.11E-08
5654	482534.75, 3852903.2	1.19E-04	3.75E-08	1.09E-08	1.45E-04	4.59E-08	1.34E-08	1.28E-04	4.03E-08	1.17E-08
5655	482600.11, 3852970.9	1.25E-04	3.95E-08	1.15E-08	1.53E-04	4.84E-08	1.41E-08	1.35E-04	4.25E-08	1.24E-08
5656	482706.71, 3853119.2	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.57E-08	1.62E-08	1.55E-04	4.89E-08	1.42E-08
5657	482747.96, 3853199.8	1.56E-04	4.94E-08	1.44E-08	1.92E-04	6.05E-08	1.76E-08	1.68E-04	5.31E-08	1.54E-08
5658	482789.21, 3853280.4	1.73E-04	5.45E-08	1.58E-08	2.11E-04	6.67E-08	1.94E-08	1.86E-04	5.86E-08	1.70E-08
5659	482830.46, 3853360.9	1.95E-04	6.17E-08	1.79E-08	2.39E-04	7.56E-08	2.20E-08	2.10E-04	6.63E-08	1.93E-08
5660	482871.71, 3853441.5	2.32E-04	7.33E-08	2.13E-08	2.85E-04	8.98E-08	2.61E-08	2.50E-04	7.89E-08	2.30E-08
5661	482912.95, 3853522.0	3.70E-04	1.17E-07	3.39E-08	4.53E-04	1.43E-07	4.16E-08	3.99E-04	1.26E-07	3.66E-08
5662	482954.2, 3853602.63	1.13E-03	3.56E-07	1.04E-07	1.38E-03	4.37E-07	1.27E-07	1.22E-03	3.85E-07	1.12E-07
5663	482995.45, 3853683.1	1.41E-03	4.44E-07	1.29E-07	1.72E-03	5.44E-07	1.58E-07	1.52E-03	4.79E-07	1.39E-07
5664	483036.7, 3853763.75	1.42E-03	4.50E-07	1.31E-07	1.75E-03	5.51E-07	1.60E-07	1.54E-03	4.85E-07	1.41E-07
5665	483214.2, 3853909.91	9.67E-04	3.05E-07	8.87E-08	1.18E-03	3.74E-07	1.09E-07	1.04E-03	3.29E-07	9.57E-08
5666	483307.01, 3853910.4	8.37E-04	2.64E-07	7.68E-08	1.03E-03	3.24E-07	9.41E-08	9.02E-04	2.85E-07	8.28E-08
5667	483399.83, 3853910.9	7.38E-04	2.33E-07	6.78E-08	9.04E-04	2.85E-07	8.30E-08	7.96E-04	2.51E-07	7.30E-08
5668	483494.52, 3854009.2	7.43E-04	2.34E-07	6.82E-08	9.10E-04	2.87E-07	8.36E-08	8.01E-04	2.53E-07	7.35E-08
5669	483496.41, 3854106.9	8.24E-04	2.60E-07	7.56E-08	1.01E-03	3.19E-07	9.27E-08	8.88E-04	2.80E-07	8.15E-08

5670	483577.56, 3854261.9	9.17E-04	2.90E-07	8.42E-08	1.12E-03	3.55E-07	1.03E-07	9.88E-04	3.12E-07	9.07E-08
5671	483656.83, 3854319.1	9.24E-04	2.92E-07	8.48E-08	1.13E-03	3.57E-07	1.04E-07	9.95E-04	3.14E-07	9.13E-08
5672	483736.1, 3854376.41	9.50E-04	3.00E-07	8.72E-08	1.16E-03	3.68E-07	1.07E-07	1.02E-03	3.23E-07	9.39E-08
5673	483815.37, 3854433.6	9.98E-04	3.15E-07	9.16E-08	1.22E-03	3.86E-07	1.12E-07	1.07E-03	3.39E-07	9.86E-08
5674	483894.63, 3854490.8	1.07E-03	3.37E-07	9.81E-08	1.31E-03	4.13E-07	1.20E-07	1.15E-03	3.63E-07	1.06E-07
5675	483973.9, 3854548.1	1.18E-03	3.73E-07	1.09E-07	1.45E-03	4.57E-07	1.33E-07	1.27E-03	4.02E-07	1.17E-07
5676	484053.17, 3854605.3	1.42E-03	4.48E-07	1.30E-07	1.74E-03	5.49E-07	1.60E-07	1.53E-03	4.82E-07	1.40E-07
5677	484214.97, 3854698.1	2.45E-03	7.73E-07	2.25E-07	3.00E-03	9.47E-07	2.75E-07	2.64E-03	8.32E-07	2.42E-07
5678	484297.5, 3854733.74	3.19E-03	1.01E-06	2.93E-07	3.91E-03	1.23E-06	3.59E-07	3.43E-03	1.08E-06	3.15E-07
5679	484380.03, 3854769.3	3.85E-03	1.22E-06	3.54E-07	4.72E-03	1.49E-06	4.33E-07	4.14E-03	1.31E-06	3.80E-07
5680	484462.56, 3854804.9	4.98E-03	1.57E-06	4.57E-07	6.11E-03	1.93E-06	5.61E-07	5.35E-03	1.69E-06	4.91E-07
5681	484545.09, 3854840.5	6.01E-03	1.90E-06	5.52E-07	7.37E-03	2.33E-06	6.76E-07	6.45E-03	2.04E-06	5.93E-07
5682	484691.88, 3854912.5	7.41E-03	2.34E-06	6.80E-07	9.08E-03	2.87E-06	8.34E-07	7.94E-03	2.50E-06	7.29E-07
5683	484830.81, 3855012.5	6.90E-03	2.18E-06	6.34E-07	8.46E-03	2.67E-06	7.76E-07	7.37E-03	2.33E-06	6.77E-07
5684	484905.48, 3855075.9	6.92E-03	2.19E-06	6.36E-07	8.48E-03	2.68E-06	7.79E-07	7.41E-03	2.34E-06	6.80E-07
5685	484980.14, 3855139.4	6.89E-03	2.17E-06	6.32E-07	8.44E-03	2.66E-06	7.75E-07	7.39E-03	2.33E-06	6.78E-07
5686	485054.81, 3855202.9	6.80E-03	2.15E-06	6.24E-07	8.33E-03	2.63E-06	7.64E-07	7.30E-03	2.31E-06	6.71E-07
5687	485129.48, 3855266.3	6.58E-03	2.08E-06	6.04E-07	8.06E-03	2.54E-06	7.40E-07	7.08E-03	2.24E-06	6.50E-07
5688	485204.15, 3855329.8	6.71E-03	2.12E-06	6.16E-07	8.22E-03	2.59E-06	7.54E-07	7.22E-03	2.28E-06	6.63E-07
5689	485278.82, 3855393.3	6.66E-03	2.10E-06	6.12E-07	8.16E-03	2.58E-06	7.49E-07	7.18E-03	2.27E-06	6.59E-07
5690	485353.48, 3855456.7	6.69E-03	2.11E-06	6.14E-07	8.19E-03	2.59E-06	7.52E-07	7.21E-03	2.28E-06	6.62E-07
5691	485428.15, 3855520.2	6.63E-03	2.09E-06	6.09E-07	8.12E-03	2.56E-06	7.45E-07	7.15E-03	2.26E-06	6.56E-07
5692	485502.82, 3855583.7	6.60E-03	2.08E-06	6.06E-07	8.08E-03	2.55E-06	7.42E-07	7.12E-03	2.25E-06	6.54E-07
5693	485577.49, 3855647.1	6.67E-03	2.11E-06	6.13E-07	8.17E-03	2.58E-06	7.50E-07	7.20E-03	2.27E-06	6.61E-07
5694	485652.16, 3855710.6	6.71E-03	2.12E-06	6.16E-07	8.23E-03	2.60E-06	7.55E-07	7.25E-03	2.29E-06	6.65E-07
5695	485726.83, 3855774.1	6.70E-03	2.11E-06	6.15E-07	8.20E-03	2.59E-06	7.53E-07	7.23E-03	2.28E-06	6.63E-07
5696	485801.49, 3855837.5	6.63E-03	2.09E-06	6.09E-07	8.12E-03	2.56E-06	7.45E-07	7.15E-03	2.26E-06	6.57E-07
5697	485876.16, 3855901.0	6.63E-03	2.09E-06	6.09E-07	8.13E-03	2.56E-06	7.46E-07	7.16E-03	2.26E-06	6.57E-07
5698	485950.83, 3855964.5	6.59E-03	2.08E-06	6.05E-07	8.07E-03	2.55E-06	7.41E-07	7.11E-03	2.25E-06	6.53E-07
5699	486025.5, 3856027.97	6.50E-03	2.05E-06	5.97E-07	7.96E-03	2.51E-06	7.31E-07	7.02E-03	2.21E-06	6.44E-07
5700	486100.17, 3856091.4	6.64E-03	2.09E-06	6.09E-07	8.13E-03	2.57E-06	7.46E-07	7.16E-03	2.26E-06	6.58E-07
5701	486174.83, 3856154.9	6.51E-03	2.05E-06	5.97E-07	7.97E-03	2.52E-06	7.32E-07	7.02E-03	2.22E-06	6.45E-07
5702	486249.5, 3856218.37	6.19E-03	1.96E-06	5.69E-07	7.59E-03	2.39E-06	6.97E-07	6.69E-03	2.11E-06	6.14E-07
5703	486324.17, 3856281.8	6.13E-03	1.93E-06	5.63E-07	7.51E-03	2.37E-06	6.89E-07	6.62E-03	2.09E-06	6.07E-07
5704	486398.84, 3856345.3	6.35E-03	2.00E-06	5.83E-07	7.78E-03	2.45E-06	7.14E-07	6.86E-03	2.16E-06	6.29E-07
5705	486473.51, 3856408.7	6.41E-03	2.02E-06	5.88E-07	7.85E-03	2.48E-06	7.21E-07	6.92E-03	2.18E-06	6.35E-07
5706	486548.17, 3856472.2	6.52E-03	2.06E-06	5.98E-07	7.98E-03	2.52E-06	7.33E-07	7.03E-03	2.22E-06	6.46E-07
5707	486622.84, 3856535.7	6.57E-03	2.07E-06	6.03E-07	8.05E-03	2.54E-06	7.39E-07	7.09E-03	2.24E-06	6.51E-07
5708	486765.48, 3856659.6	6.62E-03	2.09E-06	6.08E-07	8.11E-03	2.56E-06	7.44E-07	7.14E-03	2.26E-06	6.56E-07
5709	486833.44, 3856720.2	6.68E-03	2.11E-06	6.13E-07	8.18E-03	2.58E-06	7.51E-07	7.21E-03	2.27E-06	6.62E-07
5710	486901.41, 3856780.7	6.67E-03	2.11E-06	6.13E-07	8.17E-03	2.58E-06	7.50E-07	7.20E-03	2.27E-06	6.61E-07
5711	486969.38, 3856841.2	6.66E-03	2.10E-06	6.11E-07	8.15E-03	2.57E-06	7.48E-07	7.18E-03	2.27E-06	6.59E-07
5712	487037.34, 3856901.7	6.59E-03	2.08E-06	6.05E-07	8.08E-03	2.55E-06	7.41E-07	7.11E-03	2.24E-06	6.53E-07
5713	487271.23, 3856855.5	3.59E-03	1.13E-06	3.29E-07	4.39E-03	1.39E-06	4.03E-07	3.86E-03	1.22E-06	3.55E-07
5714	487368.96, 3856857.2	3.13E-03	9.88E-07	2.87E-07	3.83E-03	1.21E-06	3.52E-07	3.37E-03	1.06E-06	3.10E-07
5715	487466.68, 3856859.0	2.78E-03	8.76E-07	2.55E-07	3.40E-03	1.07E-06	3.12E-07	2.99E-03	9.43E-07	2.74E-07
5716	487636.44, 3856930	2.40E-03	7.56E-07	2.20E-07	2.93E-03	9.26E-07	2.69E-07	2.57E-03	8.11E-07	2.36E-07
5717	487709.57, 3856928.4	2.24E-03	7.07E-07	2.06E-07	2.74E-03	8.65E-07	2.52E-07	2.40E-03	7.58E-07	2.21E-07
5718	487782.55, 3856841.9	2.05E-03	6.46E-07	1.88E-07	2.51E-03	7.92E-07	2.30E-07	2.20E-03	6.95E-07	2.02E-07
5719	487849.83, 3856754.7	1.88E-03	5.94E-07	1.73E-07	2.30E-03	7.27E-07	2.11E-07	2.02E-03	6.39E-07	1.86E-07
5720	487918.03, 3856819.3	1.84E-03	5.80E-07	1.69E-07	2.25E-03	7.10E-07	2.07E-07	1.97E-03	6.23E-07	1.81E-07
5721	487918.8, 3856886.37	1.87E-03	5.92E-07	1.72E-07	2.30E-03	7.25E-07	2.11E-07	2.01E-03	6.35E-07	1.85E-07
5722	488065.47, 3857127.5	1.84E-03	5.80E-07	1.69E-07	2.25E-03	7.10E-07	2.06E-07	1.95E-03	6.17E-07	1.79E-07
5723	488192.19, 3857385.8	1.80E-03	5.67E-07	1.65E-07	2.20E-03	6.95E-07	2.02E-07	1.91E-03	6.03E-07	1.75E-07
5724	488191.22, 3857473.8	1.83E-03	5.79E-07	1.68E-07	2.25E-03	7.09E-07	2.06E-07	1.95E-03	6.16E-07	1.79E-07
5725	488190.24, 3857561.9	1.87E-03	5.91E-07	1.72E-07	2.29E-03	7.24E-07	2.11E-07	2.00E-03	6.31E-07	1.84E-07
5726	488158.35, 3857691.1	1.99E-03	6.27E-07	1.82E-07	2.43E-03	7.67E-07	2.23E-07	2.13E-03	6.71E-07	1.95E-07
5727	488208.37, 3857816.6	1.76E-03	5.56E-07	1.62E-07	2.16E-03	6.81E-07	1.98E-07	1.89E-03	5.97E-07	1.74E-07
5728	488271.97, 3857874.6	1.56E-03	4.93E-07	1.43E-07	1.91E-03	6.04E-07	1.76E-07	1.68E-03	5.29E-07	1.54E-07
5729	488463.56, 3857942.3	1.26E-03	3.99E-07	1.16E-07	1.55E-03	4.89E-07	1.42E-07	1.36E-03	4.28E-07	1.25E-07
5730	488554.83, 3857940.8	1.19E-03	3.75E-07	1.09E-07	1.45E-03	4.59E-07	1.33E-07	1.27E-03	4.02E-07	1.17E-07

5731	488646.1, 3857939.36	1.12E-03	3.53E-07	1.03E-07	1.37E-03	4.33E-07	1.26E-07	1.20E-03	3.79E-07	1.10E-07
5732	488737.37, 3857937.8	1.06E-03	3.35E-07	9.74E-08	1.30E-03	4.10E-07	1.19E-07	1.14E-03	3.59E-07	1.05E-07
5733	488733.59, 3857960.5	1.05E-03	3.33E-07	9.68E-08	1.29E-03	4.07E-07	1.18E-07	1.13E-03	3.57E-07	1.04E-07
5734	488638.09, 3857961.5	1.11E-03	3.52E-07	1.02E-07	1.36E-03	4.31E-07	1.25E-07	1.20E-03	3.78E-07	1.10E-07
5735	488542.6, 3857962.56	1.18E-03	3.74E-07	1.09E-07	1.45E-03	4.58E-07	1.33E-07	1.27E-03	4.01E-07	1.17E-07
5736	488447.1, 3857963.56	1.27E-03	4.00E-07	1.16E-07	1.55E-03	4.89E-07	1.42E-07	1.36E-03	4.29E-07	1.25E-07
5737	488254.28, 3857890.3	1.57E-03	4.95E-07	1.44E-07	1.92E-03	6.06E-07	1.76E-07	1.68E-03	5.32E-07	1.55E-07
5738	488191.69, 3857833.0	1.77E-03	5.60E-07	1.63E-07	2.17E-03	6.86E-07	1.99E-07	1.90E-03	6.01E-07	1.75E-07
5739	488129.5, 3857907.43	1.77E-03	5.58E-07	1.62E-07	2.16E-03	6.82E-07	1.99E-07	1.90E-03	5.99E-07	1.74E-07
5740	488196.47, 3857968.7	1.56E-03	4.92E-07	1.43E-07	1.91E-03	6.02E-07	1.75E-07	1.67E-03	5.28E-07	1.54E-07
5741	488263.44, 3858030.0	1.43E-03	4.50E-07	1.31E-07	1.75E-03	5.51E-07	1.60E-07	1.53E-03	4.84E-07	1.41E-07
5742	488400.64, 3858132.9	1.28E-03	4.04E-07	1.17E-07	1.57E-03	4.94E-07	1.44E-07	1.38E-03	4.34E-07	1.26E-07
5743	488519.89, 3858218.3	1.23E-03	3.87E-07	1.12E-07	1.50E-03	4.74E-07	1.38E-07	1.32E-03	4.16E-07	1.21E-07
5744	488647.97, 3858214.9	1.09E-03	3.45E-07	1.00E-07	1.34E-03	4.23E-07	1.23E-07	1.18E-03	3.71E-07	1.08E-07
5745	488727.05, 3858167.6	1.02E-03	3.22E-07	9.38E-08	1.25E-03	3.95E-07	1.15E-07	1.10E-03	3.47E-07	1.01E-07
5746	488806.12, 3858120.3	9.73E-04	3.07E-07	8.94E-08	1.19E-03	3.76E-07	1.09E-07	1.05E-03	3.30E-07	9.60E-08
5747	488885.2, 3858073.03	9.40E-04	2.97E-07	8.63E-08	1.15E-03	3.63E-07	1.06E-07	1.01E-03	3.19E-07	9.27E-08
5748	489055.76, 3857991.1	8.87E-04	2.80E-07	8.15E-08	1.09E-03	3.43E-07	9.98E-08	9.52E-04	3.01E-07	8.74E-08
5749	489245.39, 3857944.5	8.34E-04	2.63E-07	7.65E-08	1.02E-03	3.22E-07	9.37E-08	8.94E-04	2.82E-07	8.21E-08
5750	489430.63, 3857930.9	7.78E-04	2.46E-07	7.15E-08	9.53E-04	3.01E-07	8.75E-08	8.35E-04	2.63E-07	7.66E-08
5751	489517.74, 3857929.3	7.54E-04	2.38E-07	6.92E-08	9.23E-04	2.91E-07	8.47E-08	8.08E-04	2.55E-07	7.42E-08
5752	489604.86, 3857927.8	7.30E-04	2.30E-07	6.70E-08	8.94E-04	2.82E-07	8.21E-08	7.83E-04	2.47E-07	7.19E-08
5753	489691.97, 3857926.2	7.08E-04	2.23E-07	6.50E-08	8.67E-04	2.74E-07	7.96E-08	7.59E-04	2.40E-07	6.97E-08
5754	489779.08, 3857924.7	6.87E-04	2.17E-07	6.31E-08	8.41E-04	2.66E-07	7.72E-08	7.37E-04	2.32E-07	6.76E-08
5755	490017.55, 3857875.0	6.43E-04	2.03E-07	5.90E-08	7.87E-04	2.48E-07	7.23E-08	6.89E-04	2.17E-07	6.32E-08
5756	490033.82, 3857960.8	6.25E-04	1.97E-07	5.73E-08	7.65E-04	2.41E-07	7.02E-08	6.70E-04	2.11E-07	6.15E-08
5757	489959.15, 3857987.4	6.35E-04	2.00E-07	5.83E-08	7.78E-04	2.46E-07	7.14E-08	6.81E-04	2.15E-07	6.25E-08
5758	489791.49, 3858016.1	6.66E-04	2.10E-07	6.12E-08	8.16E-04	2.57E-07	7.49E-08	7.15E-04	2.26E-07	6.56E-08
5759	489698.51, 3858018.0	6.87E-04	2.17E-07	6.31E-08	8.42E-04	2.66E-07	7.73E-08	7.37E-04	2.33E-07	6.77E-08
5760	489605.52, 3858020.0	7.10E-04	2.24E-07	6.52E-08	8.69E-04	2.74E-07	7.98E-08	7.61E-04	2.40E-07	6.99E-08
5761	489512.53, 3858021.9	7.34E-04	2.32E-07	6.73E-08	8.98E-04	2.84E-07	8.25E-08	7.87E-04	2.48E-07	7.22E-08
5762	489419.55, 3858023.9	7.59E-04	2.39E-07	6.96E-08	9.29E-04	2.93E-07	8.53E-08	8.14E-04	2.57E-07	7.47E-08
5763	489228.47, 3858041.2	8.13E-04	2.57E-07	7.46E-08	9.96E-04	3.14E-07	9.14E-08	8.73E-04	2.75E-07	8.01E-08
5764	489065.75, 3858085.7	8.59E-04	2.71E-07	7.89E-08	1.05E-03	3.32E-07	9.66E-08	9.23E-04	2.91E-07	8.47E-08
5765	489001.12, 3858114.8	8.79E-04	2.78E-07	8.07E-08	1.08E-03	3.40E-07	9.89E-08	9.45E-04	2.98E-07	8.67E-08
5766	488861.89, 3858189.8	9.41E-04	2.97E-07	8.64E-08	1.15E-03	3.64E-07	1.06E-07	1.01E-03	3.19E-07	9.29E-08
5767	488787.29, 3858235.6	9.95E-04	3.14E-07	9.13E-08	1.22E-03	3.85E-07	1.12E-07	1.07E-03	3.38E-07	9.83E-08
5768	488712.68, 3858281.5	1.07E-03	3.39E-07	9.85E-08	1.31E-03	4.15E-07	1.21E-07	1.16E-03	3.65E-07	1.06E-07
5769	488654.39, 3858436.1	1.36E-03	4.28E-07	1.25E-07	1.66E-03	5.25E-07	1.53E-07	1.46E-03	4.62E-07	1.34E-07
5770	488726.31, 3858505.2	1.37E-03	4.34E-07	1.26E-07	1.68E-03	5.31E-07	1.55E-07	1.48E-03	4.68E-07	1.36E-07
5771	488880.6, 3858599.28	1.27E-03	4.01E-07	1.16E-07	1.55E-03	4.91E-07	1.43E-07	1.37E-03	4.32E-07	1.26E-07
5772	489008.06, 3858714.7	1.25E-03	3.96E-07	1.15E-07	1.54E-03	4.85E-07	1.41E-07	1.35E-03	4.27E-07	1.24E-07
5773	489071.48, 3858772.7	1.19E-03	3.77E-07	1.10E-07	1.46E-03	4.62E-07	1.34E-07	1.29E-03	4.07E-07	1.18E-07
5774	489244.6, 3858920.2	6.64E-04	2.10E-07	6.10E-08	8.14E-04	2.57E-07	7.47E-08	7.16E-04	2.26E-07	6.57E-08
5775	489239.69, 3858952.2	6.05E-04	1.91E-07	5.56E-08	7.42E-04	2.34E-07	6.81E-08	6.52E-04	2.06E-07	5.99E-08
5776	489121.67, 3858854.4	9.96E-04	3.14E-07	9.14E-08	1.22E-03	3.85E-07	1.12E-07	1.07E-03	3.39E-07	9.86E-08
5777	489059.59, 3858797.2	1.25E-03	3.94E-07	1.15E-07	1.53E-03	4.83E-07	1.41E-07	1.35E-03	4.25E-07	1.24E-07
5778	488997.52, 3858740.0	1.34E-03	4.23E-07	1.23E-07	1.64E-03	5.18E-07	1.51E-07	1.45E-03	4.56E-07	1.33E-07
5779	488935.44, 3858682.8	1.35E-03	4.27E-07	1.24E-07	1.66E-03	5.23E-07	1.52E-07	1.46E-03	4.61E-07	1.34E-07
5780	488869.17, 3858848.4	3.28E-03	1.04E-06	3.01E-07	4.02E-03	1.27E-06	3.69E-07	3.54E-03	1.12E-06	3.25E-07
5781	488932.48, 3858892.6	1.58E-03	5.00E-07	1.45E-07	1.94E-03	6.13E-07	1.78E-07	1.71E-03	5.40E-07	1.57E-07
5782	489063.27, 3858977.1	6.20E-04	1.96E-07	5.69E-08	7.59E-04	2.40E-07	6.97E-08	6.68E-04	2.11E-07	6.13E-08
5783	489248.2, 3859117.15	3.68E-04	1.16E-07	3.38E-08	4.50E-04	1.42E-07	4.13E-08	3.96E-04	1.25E-07	3.63E-08
5784	489296.25, 3859049.2	4.39E-04	1.38E-07	4.03E-08	5.37E-04	1.70E-07	4.93E-08	4.72E-04	1.49E-07	4.33E-08
5785	489353.38, 3858993.9	4.95E-04	1.56E-07	4.54E-08	6.06E-04	1.91E-07	5.56E-08	5.33E-04	1.68E-07	4.89E-08
5786	489537.25, 3859120.2	3.53E-04	1.12E-07	3.25E-08	4.33E-04	1.37E-07	3.98E-08	3.80E-04	1.20E-07	3.49E-08
5787	489726.98, 3859246.0	2.82E-04	8.89E-08	2.59E-08	3.45E-04	1.09E-07	3.17E-08	3.03E-04	9.56E-08	2.78E-08
5788	489911.46, 3859366.3	2.39E-04	7.54E-08	2.19E-08	2.93E-04	9.24E-08	2.69E-08	2.57E-04	8.11E-08	2.36E-08
5789	490035.3, 3859430.26	2.21E-04	6.96E-08	2.02E-08	2.70E-04	8.53E-08	2.48E-08	2.37E-04	7.48E-08	2.18E-08
5790	490101.11, 3859458.6	2.14E-04	6.74E-08	1.96E-08	2.62E-04	8.25E-08	2.40E-08	2.29E-04	7.24E-08	2.11E-08
5791	490312.68, 3859560.3	1.92E-04	6.06E-08	1.76E-08	2.35E-04	7.43E-08	2.16E-08	2.06E-04	6.52E-08	1.90E-08

5792	490401.63, 3859603.1	1.85E-04	5.83E-08	1.69E-08	2.26E-04	7.13E-08	2.08E-08	1.98E-04	6.26E-08	1.82E-08
5793	490490.57, 3859645.9	1.78E-04	5.61E-08	1.63E-08	2.18E-04	6.87E-08	2.00E-08	1.91E-04	6.03E-08	1.75E-08
5794	490579.51, 3859688.7	1.72E-04	5.42E-08	1.58E-08	2.10E-04	6.63E-08	1.93E-08	1.84E-04	5.82E-08	1.69E-08
5795	490668.45, 3859731.5	1.66E-04	5.25E-08	1.53E-08	2.04E-04	6.43E-08	1.87E-08	1.79E-04	5.64E-08	1.64E-08
5796	490757.4, 3859774.4	1.61E-04	5.07E-08	1.47E-08	1.97E-04	6.20E-08	1.80E-08	1.72E-04	5.44E-08	1.58E-08
5797	491003.53, 3859861.8	1.50E-04	4.75E-08	1.38E-08	1.84E-04	5.81E-08	1.69E-08	1.62E-04	5.10E-08	1.48E-08
5798	491081.41, 3859879.0	1.48E-04	4.68E-08	1.36E-08	1.82E-04	5.73E-08	1.67E-08	1.59E-04	5.03E-08	1.46E-08
5799	491229.76, 3859917.8	1.44E-04	4.54E-08	1.32E-08	1.76E-04	5.56E-08	1.62E-08	1.55E-04	4.88E-08	1.42E-08
5800	491300.22, 3859939.3	1.41E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
5801	491350.49, 3860012.0	1.34E-04	4.22E-08	1.23E-08	1.64E-04	5.17E-08	1.50E-08	1.44E-04	4.53E-08	1.32E-08
5802	491406.82, 3860092.5	1.26E-04	3.98E-08	1.16E-08	1.55E-04	4.88E-08	1.42E-08	1.36E-04	4.28E-08	1.24E-08
5803	491483.37, 3860121.9	1.24E-04	3.91E-08	1.14E-08	1.52E-04	4.79E-08	1.39E-08	1.33E-04	4.20E-08	1.22E-08
5804	491559.91, 3860151.3	1.22E-04	3.84E-08	1.12E-08	1.49E-04	4.71E-08	1.37E-08	1.31E-04	4.13E-08	1.20E-08
5805	491711.81, 3860237.7	1.18E-04	3.74E-08	1.09E-08	1.45E-04	4.58E-08	1.33E-08	1.27E-04	4.01E-08	1.17E-08
5806	491755.2, 3860319.07	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.22E-08	1.23E-08	1.17E-04	3.70E-08	1.08E-08
5807	491704.71, 3860366.5	1.06E-04	3.35E-08	9.75E-09	1.30E-04	4.11E-08	1.19E-08	1.14E-04	3.60E-08	1.05E-08
5808	491623.43, 3860462.3	1.00E-04	3.16E-08	9.20E-09	1.23E-04	3.88E-08	1.13E-08	1.08E-04	3.40E-08	9.89E-09
5809	491534.02, 3860439.8	1.05E-04	3.31E-08	9.61E-09	1.28E-04	4.05E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
5810	491313.95, 3860268.1	1.11E-04	3.51E-08	1.02E-08	1.36E-04	4.30E-08	1.25E-08	1.19E-04	3.77E-08	1.10E-08
5811	491187.12, 3860143.5	1.21E-04	3.82E-08	1.11E-08	1.48E-04	4.68E-08	1.36E-08	1.30E-04	4.11E-08	1.19E-08
5812	491070.43, 3860075.9	1.27E-04	4.02E-08	1.17E-08	1.56E-04	4.92E-08	1.43E-08	1.37E-04	4.31E-08	1.26E-08
5813	490995.09, 3860039.3	1.31E-04	4.12E-08	1.20E-08	1.60E-04	5.05E-08	1.47E-08	1.40E-04	4.43E-08	1.29E-08
5814	490919.75, 3860002.8	1.34E-04	4.23E-08	1.23E-08	1.64E-04	5.18E-08	1.51E-08	1.44E-04	4.55E-08	1.32E-08
5815	490756.81, 3859894.5	1.46E-04	4.61E-08	1.34E-08	1.79E-04	5.64E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
5816	490668.07, 3859860.9	1.49E-04	4.71E-08	1.37E-08	1.83E-04	5.77E-08	1.68E-08	1.60E-04	5.06E-08	1.47E-08
5817	490579.34, 3859827.3	1.53E-04	4.83E-08	1.41E-08	1.88E-04	5.92E-08	1.72E-08	1.64E-04	5.19E-08	1.51E-08
5818	490490.6, 3859793.68	1.57E-04	4.95E-08	1.44E-08	1.92E-04	6.06E-08	1.76E-08	1.68E-04	5.31E-08	1.55E-08
5819	490401.86, 3859760.0	1.61E-04	5.07E-08	1.47E-08	1.97E-04	6.21E-08	1.81E-08	1.73E-04	5.45E-08	1.58E-08
5820	490313.12, 3859726.4	1.65E-04	5.21E-08	1.52E-08	2.02E-04	6.39E-08	1.86E-08	1.78E-04	5.60E-08	1.63E-08
5821	490224.39, 3859692.8	1.70E-04	5.37E-08	1.56E-08	2.09E-04	6.58E-08	1.91E-08	1.83E-04	5.77E-08	1.68E-08
5822	490135.65, 3859659.2	1.76E-04	5.55E-08	1.61E-08	2.15E-04	6.80E-08	1.98E-08	1.89E-04	5.97E-08	1.74E-08
5823	489918.19, 3859559.2	1.94E-04	6.13E-08	1.78E-08	2.38E-04	7.50E-08	2.18E-08	2.09E-04	6.58E-08	1.92E-08
5824	489743.61, 3859486	2.10E-04	6.63E-08	1.93E-08	2.57E-04	8.12E-08	2.36E-08	2.26E-04	7.12E-08	2.07E-08
5825	489660.32, 3859440.2	2.21E-04	6.97E-08	2.03E-08	2.70E-04	8.53E-08	2.48E-08	2.37E-04	7.49E-08	2.18E-08
5826	489577.04, 3859394.5	2.33E-04	7.36E-08	2.14E-08	2.85E-04	9.01E-08	2.62E-08	2.51E-04	7.91E-08	2.30E-08
5827	489493.75, 3859348.8	2.47E-04	7.80E-08	2.27E-08	3.03E-04	9.55E-08	2.78E-08	2.65E-04	8.38E-08	2.44E-08
5828	489321.28, 3859240.0	2.89E-04	9.14E-08	2.66E-08	3.55E-04	1.12E-07	3.26E-08	3.11E-04	9.82E-08	2.86E-08
5829	489235.41, 3859193.9	3.15E-04	9.93E-08	2.89E-08	3.86E-04	1.22E-07	3.54E-08	3.39E-04	1.07E-07	3.11E-08
5830	489149.54, 3859147.8	3.46E-04	1.09E-07	3.18E-08	4.24E-04	1.34E-07	3.89E-08	3.72E-04	1.17E-07	3.42E-08
5831	489063.68, 3859101.8	3.88E-04	1.22E-07	3.56E-08	4.75E-04	1.50E-07	4.36E-08	4.17E-04	1.32E-07	3.83E-08
5832	488977.81, 3859055.7	4.44E-04	1.40E-07	4.08E-08	5.44E-04	1.72E-07	5.00E-08	4.79E-04	1.51E-07	4.39E-08
5833	488891.94, 3859009.6	5.20E-04	1.64E-07	4.78E-08	6.37E-04	2.01E-07	5.85E-08	5.60E-04	1.77E-07	5.14E-08
5834	488808, 3859060.73	4.29E-04	1.35E-07	3.93E-08	5.25E-04	1.66E-07	4.82E-08	4.61E-04	1.46E-07	4.24E-08
5835	488809.93, 3859157.8	3.38E-04	1.07E-07	3.10E-08	4.14E-04	1.31E-07	3.80E-08	3.63E-04	1.15E-07	3.34E-08
5836	488811.86, 3859254.9	2.84E-04	8.97E-08	2.61E-08	3.48E-04	1.10E-07	3.20E-08	3.06E-04	9.64E-08	2.81E-08
5837	488813.78, 3859352.0	2.47E-04	7.81E-08	2.27E-08	3.03E-04	9.56E-08	2.78E-08	2.66E-04	8.40E-08	2.44E-08
5838	488815.71, 3859449.1	2.21E-04	6.97E-08	2.03E-08	2.70E-04	8.54E-08	2.48E-08	2.37E-04	7.49E-08	2.18E-08
5839	488910.04, 3859547.1	2.00E-04	6.33E-08	1.84E-08	2.46E-04	7.75E-08	2.25E-08	2.15E-04	6.80E-08	1.98E-08
5840	489002.45, 3859547.9	2.02E-04	6.36E-08	1.85E-08	2.47E-04	7.80E-08	2.27E-08	2.17E-04	6.84E-08	1.99E-08
5841	489094.85, 3859548.7	2.03E-04	6.40E-08	1.86E-08	2.49E-04	7.84E-08	2.28E-08	2.18E-04	6.88E-08	2.00E-08
5842	489230.05, 3859601.8	1.94E-04	6.14E-08	1.79E-08	2.38E-04	7.52E-08	2.19E-08	2.09E-04	6.60E-08	1.92E-08
5843	489227.52, 3859680.8	1.81E-04	5.71E-08	1.66E-08	2.22E-04	7.00E-08	2.03E-08	1.94E-04	6.14E-08	1.78E-08
5844	489133.47, 3859760.2	1.68E-04	5.31E-08	1.55E-08	2.06E-04	6.51E-08	1.89E-08	1.81E-04	5.71E-08	1.66E-08
5845	489041.96, 3859760.6	1.68E-04	5.29E-08	1.54E-08	2.05E-04	6.48E-08	1.88E-08	1.80E-04	5.68E-08	1.65E-08
5846	488950.45, 3859761.0	1.67E-04	5.26E-08	1.53E-08	2.04E-04	6.44E-08	1.87E-08	1.79E-04	5.65E-08	1.64E-08
5847	488858.94, 3859761.4	1.66E-04	5.23E-08	1.52E-08	2.03E-04	6.41E-08	1.86E-08	1.78E-04	5.62E-08	1.64E-08
5848	488767.43, 3859761.8	1.65E-04	5.20E-08	1.51E-08	2.02E-04	6.36E-08	1.85E-08	1.77E-04	5.58E-08	1.62E-08
5849	488675.92, 3859762.2	1.64E-04	5.18E-08	1.51E-08	2.01E-04	6.34E-08	1.84E-08	1.76E-04	5.56E-08	1.62E-08
5850	488584.41, 3859762.5	1.63E-04	5.15E-08	1.50E-08	2.00E-04	6.30E-08	1.83E-08	1.75E-04	5.53E-08	1.61E-08
5851	488492.9, 3859762.96	1.62E-04	5.12E-08	1.49E-08	1.99E-04	6.27E-08	1.82E-08	1.74E-04	5.50E-08	1.60E-08
5852	488402.76, 3859830.9	1.54E-04	4.85E-08	1.41E-08	1.88E-04	5.94E-08	1.73E-08	1.65E-04	5.21E-08	1.52E-08

5853	488404.14, 3859898.5	1.46E-04	4.60E-08	1.34E-08	1.79E-04	5.64E-08	1.64E-08	1.57E-04	4.95E-08	1.44E-08
5854	488505.18, 3859964.9	1.40E-04	4.42E-08	1.29E-08	1.71E-04	5.41E-08	1.57E-08	1.50E-04	4.75E-08	1.38E-08
5855	488604.85, 3859963.7	1.41E-04	4.44E-08	1.29E-08	1.72E-04	5.44E-08	1.58E-08	1.51E-04	4.77E-08	1.39E-08
5856	488704.51, 3859962.5	1.42E-04	4.47E-08	1.30E-08	1.73E-04	5.47E-08	1.59E-08	1.52E-04	4.80E-08	1.40E-08
5857	488804.18, 3859961.3	1.43E-04	4.50E-08	1.31E-08	1.75E-04	5.51E-08	1.60E-08	1.53E-04	4.83E-08	1.41E-08
5858	488903.85, 3859960.1	1.44E-04	4.53E-08	1.32E-08	1.76E-04	5.55E-08	1.62E-08	1.54E-04	4.87E-08	1.42E-08
5859	489003.52, 3859958.9	1.45E-04	4.56E-08	1.33E-08	1.77E-04	5.59E-08	1.62E-08	1.55E-04	4.90E-08	1.43E-08
5860	489103.18, 3859957.7	1.45E-04	4.58E-08	1.33E-08	1.78E-04	5.62E-08	1.63E-08	1.56E-04	4.93E-08	1.43E-08
5861	489201.48, 3860046.5	1.38E-04	4.34E-08	1.26E-08	1.69E-04	5.32E-08	1.55E-08	1.48E-04	4.66E-08	1.36E-08
5862	489200.11, 3860136.6	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.02E-08	1.46E-08	1.39E-04	4.40E-08	1.28E-08
5863	489198.74, 3860226.6	1.23E-04	3.87E-08	1.13E-08	1.50E-04	4.75E-08	1.38E-08	1.32E-04	4.16E-08	1.21E-08
5864	489197.38, 3860316.6	1.16E-04	3.67E-08	1.07E-08	1.42E-04	4.49E-08	1.31E-08	1.25E-04	3.94E-08	1.15E-08
5865	489196.01, 3860406.6	1.11E-04	3.49E-08	1.02E-08	1.35E-04	4.27E-08	1.24E-08	1.19E-04	3.75E-08	1.09E-08
5866	489194.64, 3860496.7	1.05E-04	3.31E-08	9.63E-09	1.29E-04	4.06E-08	1.18E-08	1.13E-04	3.56E-08	1.03E-08
5867	489193.27, 3860586.7	1.00E-04	3.16E-08	9.19E-09	1.23E-04	3.87E-08	1.13E-08	1.08E-04	3.39E-08	9.87E-09
5868	489092.02, 3860678.1	9.50E-05	3.00E-08	8.72E-09	1.16E-04	3.67E-08	1.07E-08	1.02E-04	3.22E-08	9.36E-09
5869	488992.13, 3860679.5	9.43E-05	2.98E-08	8.65E-09	1.15E-04	3.64E-08	1.06E-08	1.01E-04	3.20E-08	9.30E-09
5870	488892.25, 3860680.9	9.38E-05	2.96E-08	8.61E-09	1.15E-04	3.63E-08	1.05E-08	1.01E-04	3.18E-08	9.25E-09
5871	488792.36, 3860682.3	9.34E-05	2.95E-08	8.57E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.17E-08	9.21E-09
5872	488692.48, 3860683.7	9.32E-05	2.94E-08	8.56E-09	1.14E-04	3.60E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
5873	488592.59, 3860685.1	9.28E-05	2.93E-08	8.52E-09	1.14E-04	3.59E-08	1.04E-08	9.97E-05	3.15E-08	9.16E-09
5874	488492.71, 3860686.4	9.33E-05	2.94E-08	8.56E-09	1.14E-04	3.61E-08	1.05E-08	1.00E-04	3.16E-08	9.20E-09
5875	488299.07, 3860762.1	9.19E-05	2.90E-08	8.44E-09	1.13E-04	3.55E-08	1.03E-08	9.87E-05	3.12E-08	9.06E-09
5876	488205.32, 3860764.0	9.13E-05	2.88E-08	8.38E-09	1.12E-04	3.53E-08	1.03E-08	9.81E-05	3.09E-08	9.00E-09
5877	488111.56, 3860766	9.04E-05	2.85E-08	8.30E-09	1.11E-04	3.49E-08	1.02E-08	9.71E-05	3.06E-08	8.91E-09
5878	488017.81, 3860767.9	8.95E-05	2.82E-08	8.21E-09	1.10E-04	3.46E-08	1.01E-08	9.61E-05	3.03E-08	8.82E-09
5879	487924.06, 3860769.8	8.88E-05	2.80E-08	8.15E-09	1.09E-04	3.43E-08	9.98E-09	9.54E-05	3.01E-08	8.76E-09
5880	487830.31, 3860771.7	8.83E-05	2.79E-08	8.11E-09	1.08E-04	3.41E-08	9.93E-09	9.49E-05	2.99E-08	8.71E-09
5881	487736.55, 3860773.6	8.80E-05	2.78E-08	8.08E-09	1.08E-04	3.40E-08	9.90E-09	9.46E-05	2.99E-08	8.69E-09
5882	487642.8, 3860775.54	8.81E-05	2.78E-08	8.09E-09	1.08E-04	3.41E-08	9.91E-09	9.47E-05	2.99E-08	8.69E-09
5883	487549.48, 3860684.7	9.20E-05	2.90E-08	8.45E-09	1.13E-04	3.56E-08	1.03E-08	9.89E-05	3.12E-08	9.08E-09
5884	487549.91, 3860591.9	9.55E-05	3.01E-08	8.77E-09	1.17E-04	3.69E-08	1.07E-08	1.03E-04	3.24E-08	9.42E-09
5885	487550.34, 3860499.2	9.98E-05	3.15E-08	9.16E-09	1.22E-04	3.86E-08	1.12E-08	1.07E-04	3.38E-08	9.84E-09
5886	487550.76, 3860406.4	1.05E-04	3.30E-08	9.60E-09	1.28E-04	4.04E-08	1.18E-08	1.12E-04	3.55E-08	1.03E-08
5887	487551.19, 3860313.7	1.09E-04	3.45E-08	1.00E-08	1.34E-04	4.23E-08	1.23E-08	1.17E-04	3.71E-08	1.08E-08
5888	487551.62, 3860221.0	1.15E-04	3.62E-08	1.05E-08	1.40E-04	4.43E-08	1.29E-08	1.23E-04	3.89E-08	1.13E-08
5889	487552.05, 3860128.2	1.21E-04	3.83E-08	1.11E-08	1.48E-04	4.69E-08	1.36E-08	1.30E-04	4.11E-08	1.20E-08
5890	487552.48, 3860035.5	1.28E-04	4.04E-08	1.18E-08	1.57E-04	4.95E-08	1.44E-08	1.38E-04	4.34E-08	1.26E-08
5891	487552.91, 3859942.7	1.34E-04	4.24E-08	1.23E-08	1.65E-04	5.19E-08	1.51E-08	1.44E-04	4.56E-08	1.33E-08
5892	487553.33, 3859850.0	1.43E-04	4.51E-08	1.31E-08	1.75E-04	5.52E-08	1.61E-08	1.53E-04	4.84E-08	1.41E-08
5893	487553.76, 3859757.3	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.84E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
5894	487554.19, 3859664.5	1.60E-04	5.06E-08	1.47E-08	1.96E-04	6.20E-08	1.80E-08	1.72E-04	5.44E-08	1.58E-08
5895	487460.2, 3859571.05	1.69E-04	5.33E-08	1.55E-08	2.07E-04	6.53E-08	1.90E-08	1.82E-04	5.73E-08	1.67E-08
5896	487365.78, 3859570.2	1.68E-04	5.29E-08	1.54E-08	2.05E-04	6.48E-08	1.89E-08	1.80E-04	5.69E-08	1.65E-08
5897	487271.36, 3859569.4	1.66E-04	5.25E-08	1.53E-08	2.04E-04	6.43E-08	1.87E-08	1.79E-04	5.64E-08	1.64E-08
5898	487176.94, 3859568.7	1.65E-04	5.21E-08	1.52E-08	2.02E-04	6.38E-08	1.86E-08	1.77E-04	5.60E-08	1.63E-08
5899	487082.51, 3859567.9	1.64E-04	5.17E-08	1.51E-08	2.01E-04	6.34E-08	1.84E-08	1.76E-04	5.56E-08	1.62E-08
5900	486988.09, 3859567.1	1.63E-04	5.14E-08	1.49E-08	1.99E-04	6.29E-08	1.83E-08	1.75E-04	5.52E-08	1.60E-08
5901	486893.67, 3859566.3	1.62E-04	5.10E-08	1.48E-08	1.98E-04	6.25E-08	1.82E-08	1.74E-04	5.48E-08	1.59E-08
5902	486799.25, 3859565.5	1.61E-04	5.07E-08	1.47E-08	1.97E-04	6.20E-08	1.80E-08	1.72E-04	5.44E-08	1.58E-08
5903	486704.83, 3859564.7	1.59E-04	5.03E-08	1.46E-08	1.95E-04	6.16E-08	1.79E-08	1.71E-04	5.40E-08	1.57E-08
5904	486610.41, 3859564.0	1.58E-04	5.00E-08	1.45E-08	1.94E-04	6.12E-08	1.78E-08	1.70E-04	5.37E-08	1.56E-08
5905	486515.99, 3859563.2	1.57E-04	4.95E-08	1.44E-08	1.92E-04	6.06E-08	1.76E-08	1.68E-04	5.31E-08	1.54E-08
5906	486421.57, 3859562.4	1.55E-04	4.90E-08	1.43E-08	1.90E-04	6.00E-08	1.75E-08	1.67E-04	5.26E-08	1.53E-08
5907	486327.14, 3859561.6	1.54E-04	4.87E-08	1.42E-08	1.89E-04	5.96E-08	1.73E-08	1.66E-04	5.23E-08	1.52E-08
5908	486232.72, 3859560.8	1.53E-04	4.82E-08	1.40E-08	1.87E-04	5.90E-08	1.72E-08	1.64E-04	5.17E-08	1.50E-08
5909	486138.3, 3859560.1	1.51E-04	4.77E-08	1.39E-08	1.85E-04	5.85E-08	1.70E-08	1.62E-04	5.12E-08	1.49E-08
5910	486043.88, 3859559.3	1.50E-04	4.72E-08	1.37E-08	1.83E-04	5.78E-08	1.68E-08	1.61E-04	5.07E-08	1.48E-08
5911	485949.35, 3859463.5	1.55E-04	4.89E-08	1.42E-08	1.90E-04	5.99E-08	1.74E-08	1.66E-04	5.25E-08	1.53E-08
5912	485949.24, 3859368.5	1.63E-04	5.14E-08	1.49E-08	1.99E-04	6.29E-08	1.83E-08	1.75E-04	5.51E-08	1.60E-08
5913	485949.12, 3859273.5	1.71E-04	5.40E-08	1.57E-08	2.10E-04	6.62E-08	1.93E-08	1.84E-04	5.80E-08	1.69E-08

5914	485949.01, 3859178.5	1.80E-04	5.69E-08	1.65E-08	2.21E-04	6.96E-08	2.03E-08	1.93E-04	6.10E-08	1.78E-08
5915	485948.9, 3859083.56	1.90E-04	6.00E-08	1.75E-08	2.33E-04	7.35E-08	2.14E-08	2.04E-04	6.45E-08	1.87E-08
5916	485948.79, 3858988.5	2.00E-04	6.32E-08	1.84E-08	2.45E-04	7.74E-08	2.25E-08	2.15E-04	6.79E-08	1.97E-08
5917	485948.67, 3858893.5	2.11E-04	6.67E-08	1.94E-08	2.59E-04	8.16E-08	2.37E-08	2.27E-04	7.16E-08	2.08E-08
5918	485948.56, 3858798.5	2.24E-04	7.08E-08	2.06E-08	2.75E-04	8.67E-08	2.52E-08	2.41E-04	7.60E-08	2.21E-08
5919	485948.45, 3858703.5	2.37E-04	7.47E-08	2.17E-08	2.90E-04	9.14E-08	2.66E-08	2.54E-04	8.02E-08	2.33E-08
5920	485948.34, 3858608.5	2.52E-04	7.94E-08	2.31E-08	3.08E-04	9.72E-08	2.83E-08	2.70E-04	8.52E-08	2.48E-08
5921	485948.22, 3858513.5	2.68E-04	8.45E-08	2.46E-08	3.28E-04	1.03E-07	3.01E-08	2.87E-04	9.07E-08	2.64E-08
5922	485948.11, 3858418.5	2.85E-04	8.98E-08	2.61E-08	3.48E-04	1.10E-07	3.20E-08	3.05E-04	9.64E-08	2.80E-08
5923	485948, 3858323.59	3.04E-04	9.61E-08	2.79E-08	3.73E-04	1.18E-07	3.42E-08	3.27E-04	1.03E-07	3.00E-08
5924	485947.89, 3858228.6	3.25E-04	1.02E-07	2.98E-08	3.98E-04	1.26E-07	3.65E-08	3.49E-04	1.10E-07	3.20E-08
5925	485947.77, 3858133.6	3.47E-04	1.10E-07	3.19E-08	4.25E-04	1.34E-07	3.90E-08	3.73E-04	1.18E-07	3.42E-08
5926	485947.66, 3858038.6	3.76E-04	1.19E-07	3.45E-08	4.60E-04	1.45E-07	4.23E-08	4.03E-04	1.27E-07	3.70E-08
5927	485854.54, 3857943.3	3.86E-04	1.22E-07	3.55E-08	4.73E-04	1.49E-07	4.34E-08	4.15E-04	1.31E-07	3.81E-08
5928	485761.52, 3857943.0	3.71E-04	1.17E-07	3.41E-08	4.55E-04	1.44E-07	4.18E-08	3.99E-04	1.26E-07	3.66E-08
5929	485668.51, 3857942.8	3.59E-04	1.13E-07	3.29E-08	4.39E-04	1.39E-07	4.03E-08	3.85E-04	1.22E-07	3.53E-08
5930	485575.5, 3857942.56	3.45E-04	1.09E-07	3.17E-08	4.23E-04	1.34E-07	3.88E-08	3.71E-04	1.17E-07	3.40E-08
5931	485482.48, 3857942.3	3.34E-04	1.05E-07	3.07E-08	4.09E-04	1.29E-07	3.76E-08	3.59E-04	1.13E-07	3.29E-08
5932	485389.47, 3857942.0	3.23E-04	1.02E-07	2.97E-08	3.96E-04	1.25E-07	3.64E-08	3.47E-04	1.10E-07	3.19E-08
5933	485296.46, 3857941.7	3.13E-04	9.89E-08	2.88E-08	3.84E-04	1.21E-07	3.52E-08	3.36E-04	1.06E-07	3.09E-08
5934	485203.45, 3857941.5	3.05E-04	9.62E-08	2.80E-08	3.73E-04	1.18E-07	3.43E-08	3.27E-04	1.03E-07	3.01E-08
5935	485110.43, 3857941.2	2.95E-04	9.33E-08	2.71E-08	3.62E-04	1.14E-07	3.32E-08	3.17E-04	1.00E-07	2.91E-08
5936	485017.42, 3857940.9	2.86E-04	9.03E-08	2.63E-08	3.50E-04	1.11E-07	3.22E-08	3.07E-04	9.70E-08	2.82E-08
5937	484924.41, 3857940.7	2.77E-04	8.74E-08	2.54E-08	3.39E-04	1.07E-07	3.12E-08	2.98E-04	9.40E-08	2.73E-08
5938	484831.39, 3857940.4	2.69E-04	8.50E-08	2.47E-08	3.30E-04	1.04E-07	3.03E-08	2.89E-04	9.13E-08	2.66E-08
5939	484738.12, 3857859.3	2.72E-04	8.59E-08	2.50E-08	3.33E-04	1.05E-07	3.06E-08	2.93E-04	9.23E-08	2.69E-08
5940	484737.85, 3857778.4	2.84E-04	8.97E-08	2.61E-08	3.48E-04	1.10E-07	3.20E-08	3.06E-04	9.64E-08	2.81E-08
5941	484737.59, 3857697.4	2.97E-04	9.36E-08	2.72E-08	3.63E-04	1.15E-07	3.33E-08	3.19E-04	1.01E-07	2.93E-08
5942	484737.32, 3857616.5	3.09E-04	9.75E-08	2.84E-08	3.78E-04	1.19E-07	3.47E-08	3.32E-04	1.05E-07	3.05E-08
5943	484645.53, 3857535.1	3.12E-04	9.85E-08	2.86E-08	3.82E-04	1.21E-07	3.51E-08	3.35E-04	1.06E-07	3.08E-08
5944	484553.99, 3857534.6	3.02E-04	9.52E-08	2.77E-08	3.69E-04	1.17E-07	3.39E-08	3.24E-04	1.02E-07	2.98E-08
5945	484462.46, 3857534.1	2.93E-04	9.24E-08	2.69E-08	3.58E-04	1.13E-07	3.29E-08	3.15E-04	9.93E-08	2.89E-08
5946	484370.93, 3857533.6	2.84E-04	8.96E-08	2.61E-08	3.48E-04	1.10E-07	3.19E-08	3.05E-04	9.63E-08	2.80E-08
5947	484279.4, 3857533.16	2.76E-04	8.70E-08	2.53E-08	3.38E-04	1.07E-07	3.10E-08	2.96E-04	9.36E-08	2.72E-08
5948	484187.86, 3857532.6	2.68E-04	8.44E-08	2.46E-08	3.28E-04	1.03E-07	3.01E-08	2.88E-04	9.08E-08	2.64E-08
5949	484096.33, 3857532.1	2.60E-04	8.22E-08	2.39E-08	3.19E-04	1.01E-07	2.93E-08	2.80E-04	8.83E-08	2.57E-08
5950	484004.8, 3857531.64	2.52E-04	7.97E-08	2.32E-08	3.09E-04	9.76E-08	2.84E-08	2.71E-04	8.57E-08	2.49E-08
5951	483913.27, 3857531.1	2.44E-04	7.71E-08	2.24E-08	2.99E-04	9.44E-08	2.75E-08	2.62E-04	8.28E-08	2.41E-08
5952	483821.73, 3857530.6	2.37E-04	7.48E-08	2.17E-08	2.90E-04	9.16E-08	2.66E-08	2.55E-04	8.04E-08	2.34E-08
5953	483729.61, 3857450.1	2.37E-04	7.49E-08	2.18E-08	2.91E-04	9.17E-08	2.67E-08	2.55E-04	8.05E-08	2.34E-08
5954	483729.03, 3857370.0	2.46E-04	7.77E-08	2.26E-08	3.01E-04	9.51E-08	2.77E-08	2.65E-04	8.35E-08	2.43E-08
5955	483728.44, 3857290.0	2.54E-04	8.03E-08	2.33E-08	3.11E-04	9.83E-08	2.86E-08	2.73E-04	8.63E-08	2.51E-08
5956	483727.86, 3857210.0	2.62E-04	8.28E-08	2.41E-08	3.21E-04	1.01E-07	2.95E-08	2.82E-04	8.90E-08	2.59E-08
5957	483641.15, 3857129.0	2.63E-04	8.31E-08	2.42E-08	3.22E-04	1.02E-07	2.96E-08	2.83E-04	8.93E-08	2.60E-08
5958	483555.03, 3857128.1	2.55E-04	8.05E-08	2.34E-08	3.12E-04	9.86E-08	2.87E-08	2.74E-04	8.65E-08	2.52E-08
5959	483468.91, 3857127.2	2.46E-04	7.76E-08	2.26E-08	3.01E-04	9.50E-08	2.76E-08	2.64E-04	8.34E-08	2.43E-08
5960	483382.78, 3857126.2	2.39E-04	7.55E-08	2.20E-08	2.93E-04	9.25E-08	2.69E-08	2.57E-04	8.12E-08	2.36E-08
5961	483296.66, 3857125.3	2.32E-04	7.32E-08	2.13E-08	2.84E-04	8.97E-08	2.61E-08	2.49E-04	7.87E-08	2.29E-08
5962	483210.54, 3857124.3	2.25E-04	7.09E-08	2.06E-08	2.75E-04	8.68E-08	2.53E-08	2.41E-04	7.62E-08	2.22E-08
5963	483123.4, 3857030.96	2.25E-04	7.09E-08	2.06E-08	2.75E-04	8.69E-08	2.53E-08	2.41E-04	7.62E-08	2.22E-08
5964	483122.38, 3856938.4	2.33E-04	7.34E-08	2.14E-08	2.85E-04	8.99E-08	2.62E-08	2.50E-04	7.89E-08	2.29E-08
5965	483121.35, 3856845.9	2.41E-04	7.60E-08	2.21E-08	2.95E-04	9.31E-08	2.71E-08	2.59E-04	8.17E-08	2.38E-08
5966	483120.33, 3856753.4	2.47E-04	7.81E-08	2.27E-08	3.03E-04	9.56E-08	2.78E-08	2.66E-04	8.39E-08	2.44E-08
5967	483119.31, 3856660.9	2.54E-04	8.02E-08	2.33E-08	3.11E-04	9.82E-08	2.86E-08	2.73E-04	8.61E-08	2.51E-08
5968	483118.29, 3856568.4	2.62E-04	8.26E-08	2.40E-08	3.21E-04	1.01E-07	2.94E-08	2.81E-04	8.87E-08	2.58E-08
5969	483117.26, 3856475.9	2.70E-04	8.53E-08	2.48E-08	3.31E-04	1.04E-07	3.04E-08	2.90E-04	9.16E-08	2.66E-08
5970	483116.24, 3856383.5	2.78E-04	8.78E-08	2.55E-08	3.41E-04	1.07E-07	3.13E-08	2.99E-04	9.43E-08	2.74E-08
5971	483115.22, 3856291.0	2.86E-04	9.04E-08	2.63E-08	3.51E-04	1.11E-07	3.22E-08	3.08E-04	9.71E-08	2.82E-08
5972	483114.2, 3856198.51	2.94E-04	9.28E-08	2.70E-08	3.60E-04	1.14E-07	3.31E-08	3.16E-04	9.97E-08	2.90E-08
5973	483113.17, 3856106.0	3.04E-04	9.60E-08	2.79E-08	3.73E-04	1.18E-07	3.42E-08	3.27E-04	1.03E-07	3.00E-08
5974	483112.15, 3856013.5	3.13E-04	9.88E-08	2.87E-08	3.83E-04	1.21E-07	3.52E-08	3.36E-04	1.06E-07	3.09E-08

5975	483029.25, 3855920.4	3.10E-04	9.79E-08	2.85E-08	3.80E-04	1.20E-07	3.49E-08	3.33E-04	1.05E-07	3.06E-08
5976	482947.37, 3855919.9	2.98E-04	9.39E-08	2.73E-08	3.65E-04	1.15E-07	3.35E-08	3.20E-04	1.01E-07	2.93E-08
5977	482865.49, 3855919.3	2.85E-04	9.01E-08	2.62E-08	3.50E-04	1.10E-07	3.21E-08	3.06E-04	9.67E-08	2.81E-08
5978	482783.61, 3855918.8	2.75E-04	8.68E-08	2.52E-08	3.37E-04	1.06E-07	3.09E-08	2.95E-04	9.32E-08	2.71E-08
5979	482700.33, 3855818.3	2.72E-04	8.58E-08	2.50E-08	3.33E-04	1.05E-07	3.06E-08	2.92E-04	9.21E-08	2.68E-08
5980	482698.92, 3855718.5	2.80E-04	8.83E-08	2.57E-08	3.43E-04	1.08E-07	3.15E-08	3.00E-04	9.47E-08	2.76E-08
5981	482697.52, 3855618.6	2.86E-04	9.02E-08	2.62E-08	3.50E-04	1.11E-07	3.22E-08	3.07E-04	9.68E-08	2.82E-08
5982	482696.11, 3855518.8	2.93E-04	9.25E-08	2.69E-08	3.59E-04	1.13E-07	3.30E-08	3.15E-04	9.93E-08	2.89E-08
5983	482694.71, 3855418.9	2.98E-04	9.41E-08	2.74E-08	3.65E-04	1.15E-07	3.35E-08	3.20E-04	1.01E-07	2.94E-08
5984	482693.3, 3855319.13	3.03E-04	9.57E-08	2.78E-08	3.72E-04	1.17E-07	3.41E-08	3.26E-04	1.03E-07	2.99E-08
5985	482691.9, 3855219.27	3.10E-04	9.79E-08	2.85E-08	3.80E-04	1.20E-07	3.49E-08	3.33E-04	1.05E-07	3.06E-08
5986	482690.49, 3855119.4	3.16E-04	9.99E-08	2.91E-08	3.88E-04	1.22E-07	3.56E-08	3.40E-04	1.07E-07	3.12E-08
5987	482689.09, 3855019.5	3.27E-04	1.03E-07	3.00E-08	4.01E-04	1.27E-07	3.68E-08	3.51E-04	1.11E-07	3.23E-08
5988	482687.68, 3854919.7	3.36E-04	1.06E-07	3.09E-08	4.12E-04	1.30E-07	3.78E-08	3.61E-04	1.14E-07	3.31E-08
5989	482686.28, 3854819.8	3.49E-04	1.10E-07	3.20E-08	4.27E-04	1.35E-07	3.92E-08	3.74E-04	1.18E-07	3.44E-08
5990	482684.88, 3854720.0	3.58E-04	1.13E-07	3.29E-08	4.39E-04	1.38E-07	4.03E-08	3.85E-04	1.21E-07	3.53E-08
5991	482683.47, 3854620.1	3.74E-04	1.18E-07	3.44E-08	4.59E-04	1.45E-07	4.21E-08	4.02E-04	1.27E-07	3.69E-08
5992	482682.07, 3854520.3	3.88E-04	1.23E-07	3.57E-08	4.76E-04	1.50E-07	4.37E-08	4.18E-04	1.32E-07	3.83E-08
5993	482680.66, 3854420.4	4.02E-04	1.27E-07	3.69E-08	4.93E-04	1.56E-07	4.53E-08	4.33E-04	1.37E-07	3.98E-08
5994	482679.26, 3854320.6	4.13E-04	1.30E-07	3.79E-08	5.06E-04	1.60E-07	4.65E-08	4.45E-04	1.40E-07	4.08E-08
5995	482677.85, 3854220.7	4.36E-04	1.38E-07	4.01E-08	5.35E-04	1.69E-07	4.91E-08	4.70E-04	1.48E-07	4.31E-08
5996	482676.45, 3854120.9	4.34E-04	1.37E-07	3.99E-08	5.32E-04	1.68E-07	4.89E-08	4.68E-04	1.48E-07	4.30E-08
5997	482675.04, 3854021.0	4.36E-04	1.38E-07	4.00E-08	5.34E-04	1.69E-07	4.90E-08	4.70E-04	1.48E-07	4.31E-08
5998	482673.64, 3853921.1	4.35E-04	1.37E-07	3.99E-08	5.33E-04	1.68E-07	4.89E-08	4.69E-04	1.48E-07	4.30E-08
5999	482672.23, 3853821.3	4.41E-04	1.39E-07	4.05E-08	5.40E-04	1.70E-07	4.96E-08	4.75E-04	1.50E-07	4.36E-08
6000	482670.83, 3853721.4	4.33E-04	1.37E-07	3.98E-08	5.31E-04	1.68E-07	4.87E-08	4.67E-04	1.47E-07	4.29E-08
6001	482669.42, 3853621.6	3.84E-04	1.21E-07	3.53E-08	4.71E-04	1.49E-07	4.32E-08	4.14E-04	1.31E-07	3.80E-08
6002	482645.99, 3853446.1	2.23E-04	7.04E-08	2.05E-08	2.73E-04	8.63E-08	2.51E-08	2.40E-04	7.58E-08	2.20E-08
6003	482623.97, 3853370.4	1.88E-04	5.95E-08	1.73E-08	2.31E-04	7.29E-08	2.12E-08	2.03E-04	6.40E-08	1.86E-08
6004	482601.94, 3853294.8	1.67E-04	5.26E-08	1.53E-08	2.04E-04	6.44E-08	1.87E-08	1.79E-04	5.66E-08	1.65E-08
6005	482531.29, 3853133.4	1.39E-04	4.40E-08	1.28E-08	1.71E-04	5.39E-08	1.57E-08	1.50E-04	4.73E-08	1.37E-08
6006	482482.68, 3853047.6	1.30E-04	4.10E-08	1.19E-08	1.59E-04	5.03E-08	1.46E-08	1.40E-04	4.41E-08	1.28E-08
6007	482383.09, 3852897.4	1.16E-04	3.66E-08	1.06E-08	1.42E-04	4.48E-08	1.30E-08	1.25E-04	3.93E-08	1.14E-08
6008	482265.64, 3852765.2	1.06E-04	3.34E-08	9.72E-09	1.30E-04	4.09E-08	1.19E-08	1.14E-04	3.59E-08	1.04E-08
6009	482199.16, 3852697.6	1.01E-04	3.20E-08	9.31E-09	1.24E-04	3.92E-08	1.14E-08	1.09E-04	3.44E-08	1.00E-08
6010	482132.69, 3852630.0	9.74E-05	3.07E-08	8.94E-09	1.19E-04	3.76E-08	1.09E-08	1.05E-04	3.30E-08	9.60E-09
6011	482066.21, 3852562.4	9.36E-05	2.95E-08	8.59E-09	1.15E-04	3.62E-08	1.05E-08	1.01E-04	3.17E-08	9.23E-09
6012	481999.74, 3852494.8	9.00E-05	2.84E-08	8.26E-09	1.10E-04	3.48E-08	1.01E-08	9.67E-05	3.05E-08	8.87E-09
6013	481933.26, 3852427.2	8.66E-05	2.73E-08	7.95E-09	1.06E-04	3.35E-08	9.74E-09	9.31E-05	2.94E-08	8.55E-09
6014	481866.79, 3852359.7	8.37E-05	2.64E-08	7.68E-09	1.03E-04	3.24E-08	9.41E-09	8.99E-05	2.84E-08	8.26E-09
6015	481800.31, 3852292.1	8.10E-05	2.56E-08	7.44E-09	9.92E-05	3.13E-08	9.11E-09	8.70E-05	2.75E-08	7.99E-09
6016	481733.84, 3852224.5	7.84E-05	2.48E-08	7.20E-09	9.61E-05	3.03E-08	8.82E-09	8.43E-05	2.66E-08	7.74E-09
6017	481667.36, 3852156.9	7.61E-05	2.40E-08	6.99E-09	9.32E-05	2.94E-08	8.56E-09	8.18E-05	2.58E-08	7.51E-09
6018	481600.89, 3852089.3	7.36E-05	2.32E-08	6.76E-09	9.02E-05	2.85E-08	8.28E-09	7.91E-05	2.50E-08	7.26E-09
6019	481534.41, 3852021.7	7.13E-05	2.25E-08	6.54E-09	8.73E-05	2.76E-08	8.02E-09	7.66E-05	2.42E-08	7.03E-09
6020	481467.94, 3851954.1	6.91E-05	2.18E-08	6.35E-09	8.47E-05	2.67E-08	7.77E-09	7.43E-05	2.34E-08	6.82E-09
6021	481401.46, 3851886.5	6.72E-05	2.12E-08	6.17E-09	8.23E-05	2.60E-08	7.56E-09	7.22E-05	2.28E-08	6.63E-09
6022	481265.87, 3851761.4	6.35E-05	2.00E-08	5.83E-09	7.78E-05	2.46E-08	7.14E-09	6.83E-05	2.15E-08	6.27E-09
6023	481196.74, 3851703.8	6.19E-05	1.95E-08	5.68E-09	7.58E-05	2.39E-08	6.96E-09	6.65E-05	2.10E-08	6.11E-09
6024	481076.33, 3851619.0	5.93E-05	1.87E-08	5.45E-09	7.27E-05	2.29E-08	6.67E-09	6.38E-05	2.01E-08	5.85E-09
6025	480939.8, 3851549.07	5.68E-05	1.79E-08	5.22E-09	6.96E-05	2.20E-08	6.39E-09	6.11E-05	1.93E-08	5.61E-09
6026	480854.56, 3851506.4	5.52E-05	1.74E-08	5.07E-09	6.77E-05	2.14E-08	6.21E-09	5.93E-05	1.87E-08	5.45E-09
6027	480769.32, 3851463.7	5.37E-05	1.69E-08	4.93E-09	6.58E-05	2.08E-08	6.04E-09	5.77E-05	1.82E-08	5.30E-09
6028	480684.08, 3851421.0	5.22E-05	1.65E-08	4.79E-09	6.39E-05	2.02E-08	5.86E-09	5.60E-05	1.77E-08	5.14E-09
6029	480598.84, 3851378.4	5.06E-05	1.60E-08	4.64E-09	6.20E-05	1.96E-08	5.69E-09	5.44E-05	1.72E-08	4.99E-09
6030	480435.71, 3851275.0	4.78E-05	1.51E-08	4.39E-09	5.85E-05	1.85E-08	5.37E-09	5.13E-05	1.62E-08	4.71E-09
6031	480347.85, 3851232.3	4.63E-05	1.46E-08	4.25E-09	5.67E-05	1.79E-08	5.21E-09	4.98E-05	1.57E-08	4.57E-09
6032	480260, 3851189.72	4.49E-05	1.42E-08	4.12E-09	5.50E-05	1.74E-08	5.05E-09	4.82E-05	1.52E-08	4.43E-09
6033	480172.15, 3851147.0	4.35E-05	1.37E-08	4.00E-09	5.33E-05	1.68E-08	4.89E-09	4.68E-05	1.48E-08	4.29E-09
6034	480084.29, 3851104.4	4.22E-05	1.33E-08	3.87E-09	5.16E-05	1.63E-08	4.74E-09	4.53E-05	1.43E-08	4.16E-09
6035	479996.44, 3851061.7	4.09E-05	1.29E-08	3.75E-09	5.01E-05	1.58E-08	4.60E-09	4.39E-05	1.39E-08	4.03E-09

6036	479908.58, 3851019.1	3.95E-05	1.25E-08	3.63E-09	4.84E-05	1.53E-08	4.44E-09	4.25E-05	1.34E-08	3.90E-09
6037	479820.73, 3850976.4	3.83E-05	1.21E-08	3.52E-09	4.69E-05	1.48E-08	4.31E-09	4.12E-05	1.30E-08	3.78E-09
6038	479732.88, 3850933.8	3.72E-05	1.17E-08	3.41E-09	4.55E-05	1.44E-08	4.18E-09	3.99E-05	1.26E-08	3.67E-09
6039	479645.02, 3850891.1	3.61E-05	1.14E-08	3.31E-09	4.42E-05	1.40E-08	4.06E-09	3.88E-05	1.22E-08	3.56E-09
6040	479557.17, 3850848.5	3.51E-05	1.11E-08	3.23E-09	4.31E-05	1.36E-08	3.95E-09	3.78E-05	1.19E-08	3.47E-09
6041	479469.32, 3850805.8	3.41E-05	1.08E-08	3.13E-09	4.18E-05	1.32E-08	3.84E-09	3.67E-05	1.16E-08	3.37E-09
6042	479381.46, 3850763.2	3.34E-05	1.05E-08	3.06E-09	4.09E-05	1.29E-08	3.75E-09	3.59E-05	1.13E-08	3.29E-09
6043	479293.61, 3850720.5	3.28E-05	1.03E-08	3.01E-09	4.02E-05	1.27E-08	3.69E-09	3.52E-05	1.11E-08	3.23E-09
6044	479205.76, 3850677.9	3.22E-05	1.02E-08	2.95E-09	3.94E-05	1.24E-08	3.62E-09	3.46E-05	1.09E-08	3.17E-09
6045	479117.9, 3850635.3	3.16E-05	9.98E-09	2.90E-09	3.88E-05	1.22E-08	3.56E-09	3.40E-05	1.07E-08	3.12E-09
6046	479030.05, 3850592.6	3.11E-05	9.81E-09	2.85E-09	3.81E-05	1.20E-08	3.50E-09	3.34E-05	1.05E-08	3.07E-09
6047	478942.19, 3850550	3.04E-05	9.60E-09	2.79E-09	3.72E-05	1.18E-08	3.42E-09	3.27E-05	1.03E-08	3.00E-09
6048	478854.34, 3850507.3	2.93E-05	9.25E-09	2.69E-09	3.59E-05	1.13E-08	3.30E-09	3.15E-05	9.94E-09	2.89E-09
6049	478766.49, 3850464.7	2.85E-05	9.00E-09	2.62E-09	3.49E-05	1.10E-08	3.21E-09	3.07E-05	9.68E-09	2.81E-09
6050	478678.63, 3850422.0	2.79E-05	8.80E-09	2.56E-09	3.42E-05	1.08E-08	3.14E-09	3.00E-05	9.46E-09	2.75E-09
6051	478590.78, 3850379.4	2.72E-05	8.60E-09	2.50E-09	3.34E-05	1.05E-08	3.06E-09	2.93E-05	9.24E-09	2.69E-09
6052	478502.93, 3850336.7	2.67E-05	8.44E-09	2.46E-09	3.28E-05	1.03E-08	3.01E-09	2.87E-05	9.07E-09	2.64E-09
6053	478415.07, 3850294.1	2.64E-05	8.32E-09	2.42E-09	3.23E-05	1.02E-08	2.97E-09	2.83E-05	8.95E-09	2.60E-09
6054	478327.22, 3850251.4	2.58E-05	8.13E-09	2.37E-09	3.16E-05	9.96E-09	2.90E-09	2.77E-05	8.74E-09	2.54E-09
6055	478239.36, 3850208.8	2.53E-05	7.98E-09	2.32E-09	3.10E-05	9.78E-09	2.84E-09	2.72E-05	8.58E-09	2.50E-09
6056	478151.51, 3850166.1	2.49E-05	7.86E-09	2.29E-09	3.05E-05	9.63E-09	2.80E-09	2.68E-05	8.45E-09	2.46E-09
6057	478063.66, 3850123.5	2.46E-05	7.76E-09	2.26E-09	3.01E-05	9.50E-09	2.76E-09	2.64E-05	8.34E-09	2.43E-09
6058	477975.8, 3850080.88	2.51E-05	7.91E-09	2.30E-09	3.07E-05	9.69E-09	2.82E-09	2.69E-05	8.50E-09	2.47E-09
6059	477887.95, 3850038.2	2.49E-05	7.86E-09	2.29E-09	3.05E-05	9.63E-09	2.80E-09	2.68E-05	8.45E-09	2.46E-09
6060	477800.1, 3849995.59	2.49E-05	7.85E-09	2.28E-09	3.05E-05	9.62E-09	2.80E-09	2.67E-05	8.44E-09	2.45E-09
6061	477712.24, 3849952.9	2.46E-05	7.78E-09	2.26E-09	3.02E-05	9.52E-09	2.77E-09	2.65E-05	8.36E-09	2.43E-09
6062	477624.39, 3849910.2	2.44E-05	7.70E-09	2.24E-09	2.99E-05	9.43E-09	2.74E-09	2.62E-05	8.28E-09	2.41E-09
6063	477536.54, 3849867.6	2.42E-05	7.65E-09	2.22E-09	2.97E-05	9.36E-09	2.72E-09	2.60E-05	8.22E-09	2.39E-09
6064	477448.68, 3849825	2.39E-05	7.55E-09	2.20E-09	2.93E-05	9.25E-09	2.69E-09	2.57E-05	8.12E-09	2.36E-09
6065	477360.83, 3849782.3	2.37E-05	7.47E-09	2.17E-09	2.90E-05	9.15E-09	2.66E-09	2.54E-05	8.03E-09	2.34E-09
6066	477272.97, 3849739.7	2.34E-05	7.39E-09	2.15E-09	2.87E-05	9.05E-09	2.63E-09	2.52E-05	7.94E-09	2.31E-09
6067	477185.12, 3849697.0	2.32E-05	7.32E-09	2.13E-09	2.84E-05	8.96E-09	2.61E-09	2.49E-05	7.87E-09	2.29E-09
6068	477097.27, 3849654.4	2.29E-05	7.22E-09	2.10E-09	2.80E-05	8.84E-09	2.57E-09	2.46E-05	7.76E-09	2.26E-09
6069	477009.41, 3849611.7	2.24E-05	7.07E-09	2.06E-09	2.74E-05	8.66E-09	2.52E-09	2.41E-05	7.60E-09	2.21E-09
6070	476841.49, 3849530.0	2.18E-05	6.89E-09	2.00E-09	2.67E-05	8.44E-09	2.46E-09	2.35E-05	7.41E-09	2.15E-09
6071	476761.41, 3849491.0	2.16E-05	6.83E-09	1.99E-09	2.65E-05	8.37E-09	2.43E-09	2.33E-05	7.34E-09	2.13E-09
6072	476681.34, 3849452.0	2.13E-05	6.73E-09	1.96E-09	2.61E-05	8.24E-09	2.40E-09	2.29E-05	7.23E-09	2.10E-09
6073	476601.26, 3849412.9	2.09E-05	6.61E-09	1.92E-09	2.57E-05	8.10E-09	2.35E-09	2.25E-05	7.10E-09	2.07E-09
6074	476456.32, 3849353.6	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.82E-09	2.27E-09	2.17E-05	6.86E-09	2.00E-09
6075	476305.43, 3849318.8	2.02E-05	6.38E-09	1.86E-09	2.48E-05	7.82E-09	2.27E-09	2.17E-05	6.86E-09	2.00E-09
6076	476129.36, 3849289.9	2.01E-05	6.33E-09	1.84E-09	2.46E-05	7.75E-09	2.25E-09	2.15E-05	6.80E-09	1.98E-09
6077	476039.31, 3849275.6	2.00E-05	6.32E-09	1.84E-09	2.45E-05	7.74E-09	2.25E-09	2.15E-05	6.79E-09	1.97E-09
6078	475949.26, 3849261.3	1.97E-05	6.20E-09	1.80E-09	2.41E-05	7.60E-09	2.21E-09	2.11E-05	6.66E-09	1.94E-09
6079	475859.21, 3849247.0	1.96E-05	6.17E-09	1.80E-09	2.40E-05	7.56E-09	2.20E-09	2.10E-05	6.63E-09	1.93E-09
6080	475769.16, 3849232.7	1.94E-05	6.12E-09	1.78E-09	2.38E-05	7.50E-09	2.18E-09	2.08E-05	6.58E-09	1.91E-09
6081	475585.23, 3849219.2	1.75E-05	5.54E-09	1.61E-09	2.15E-05	6.78E-09	1.97E-09	1.88E-05	5.95E-09	1.73E-09
6082	475444.5, 3849150.35	1.83E-05	5.77E-09	1.68E-09	2.24E-05	7.07E-09	2.06E-09	1.96E-05	6.20E-09	1.80E-09
6083	475334.18, 3849118.7	1.83E-05	5.78E-09	1.68E-09	2.24E-05	7.08E-09	2.06E-09	1.97E-05	6.21E-09	1.81E-09
6084	475230.47, 3849060.5	1.81E-05	5.71E-09	1.66E-09	2.21E-05	6.99E-09	2.03E-09	1.94E-05	6.13E-09	1.78E-09
6085	475110.86, 3848960.9	1.76E-05	5.56E-09	1.62E-09	2.16E-05	6.81E-09	1.98E-09	1.89E-05	5.97E-09	1.74E-09
6086	475037.79, 3848896.2	1.72E-05	5.44E-09	1.58E-09	2.11E-05	6.66E-09	1.94E-09	1.85E-05	5.84E-09	1.70E-09
6087	474964.72, 3848831.5	1.69E-05	5.32E-09	1.55E-09	2.07E-05	6.52E-09	1.90E-09	1.81E-05	5.72E-09	1.66E-09
6088	474891.65, 3848766.9	1.66E-05	5.24E-09	1.52E-09	2.03E-05	6.42E-09	1.87E-09	1.78E-05	5.63E-09	1.64E-09
6089	474818.58, 3848702.2	1.64E-05	5.18E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.76E-05	5.57E-09	1.62E-09
6090	474745.51, 3848637.5	1.64E-05	5.19E-09	1.51E-09	2.01E-05	6.35E-09	1.85E-09	1.76E-05	5.57E-09	1.62E-09
6091	474672.44, 3848572.8	1.63E-05	5.14E-09	1.50E-09	2.00E-05	6.30E-09	1.83E-09	1.75E-05	5.52E-09	1.61E-09
6092	474599.37, 3848508.1	1.60E-05	5.04E-09	1.47E-09	1.96E-05	6.18E-09	1.80E-09	1.72E-05	5.42E-09	1.58E-09
6093	474526.3, 3848443.46	1.58E-05	4.97E-09	1.45E-09	1.93E-05	6.09E-09	1.77E-09	1.69E-05	5.34E-09	1.55E-09

			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	3.21E-03	3.44E-03	2.57E-03	1.11E-06	3.36E-06	1.94E-06	1.94E-06	1.89E-06	8.61E-07	6.43E-07	0.00E+00	0.00E+00	3.57E-07	6.60E-08	4.48E-07	6.91E-08	4.98E-08	9.91E-07
2	486023.61	3854936.51	3.16E-03	3.38E-03	2.53E-03	1.09E-06	3.30E-06	1.91E-06	1.91E-06	1.86E-06	8.47E-07	6.34E-07	0.00E+00	0.00E+00	3.52E-07	6.49E-08	4.41E-07	6.80E-08	4.91E-08	9.74E-07
3	486073.61	3854936.51	3.13E-03	3.35E-03	2.51E-03	1.08E-06	3.27E-06	1.90E-06	1.90E-06	1.84E-06	8.39E-07	6.29E-07	0.00E+00	0.00E+00	3.49E-07	6.43E-08	4.37E-07	6.74E-08	4.87E-08	9.66E-07
4	486123.61	3854936.51	3.05E-03	3.26E-03	2.45E-03	1.06E-06	3.19E-06	1.84E-06	1.84E-06	1.79E-06	8.16E-07	6.14E-07	0.00E+00	0.00E+00	3.39E-07	6.26E-08	4.25E-07	6.55E-08	4.76E-08	9.40E-07
5	486173.61	3854936.51	3.06E-03	3.27E-03	2.46E-03	1.06E-06	3.19E-06	1.85E-06	1.85E-06	1.79E-06	8.18E-07	6.16E-07	0.00E+00	0.00E+00	3.40E-07	6.28E-08	4.26E-07	6.57E-08	4.77E-08	9.42E-07
6	486223.61	3854936.51	3.01E-03	3.22E-03	2.43E-03	1.04E-06	3.15E-06	1.82E-06	1.82E-06	1.77E-06	8.05E-07	6.08E-07	0.00E+00	0.00E+00	3.35E-07	6.18E-08	4.19E-07	6.47E-08	4.71E-08	9.28E-07
7	486273.61	3854936.51	2.98E-03	3.19E-03	2.41E-03	1.03E-06	3.12E-06	1.80E-06	1.80E-06	1.75E-06	7.97E-07	6.03E-07	0.00E+00	0.00E+00	3.32E-07	6.12E-08	4.15E-07	6.40E-08	4.67E-08	9.19E-07
8	486323.61	3854936.51	2.96E-03	3.16E-03	2.39E-03	1.02E-06	3.09E-06	1.79E-06	1.79E-06	1.73E-06	7.90E-07	5.98E-07	0.00E+00	0.00E+00	3.29E-07	6.07E-08	4.12E-07	6.35E-08	4.63E-08	9.11E-07
9	485973.61	3854986.51	3.61E-03	3.88E-03	2.83E-03	1.25E-06	3.77E-06	2.18E-06	2.18E-06	2.13E-06	9.71E-07	7.09E-07	0.00E+00	0.00E+00	4.01E-07	7.41E-08	5.05E-07	7.79E-08	5.49E-08	1.11E-06
10	486023.61	3854986.51	3.55E-03	3.82E-03	2.79E-03	1.23E-06	3.71E-06	2.15E-06	2.15E-06	2.09E-06	9.55E-07	6.99E-07	0.00E+00	0.00E+00	3.95E-07	7.29E-08	4.97E-07	7.67E-08	5.42E-08	1.10E-06
11	486073.61	3854986.51	3.48E-03	3.74E-03	2.75E-03	1.20E-06	3.64E-06	2.11E-06	2.11E-06	2.05E-06	9.36E-07	6.87E-07	0.00E+00	0.00E+00	3.87E-07	7.15E-08	4.87E-07	7.51E-08	5.32E-08	1.07E-06
12	486123.61	3854986.51	3.42E-03	3.67E-03	2.70E-03	1.18E-06	3.57E-06	2.07E-06	2.07E-06	2.01E-06	9.18E-07	6.76E-07	0.00E+00	0.00E+00	3.80E-07	7.02E-08	4.78E-07	7.37E-08	5.24E-08	1.05E-06
13	486173.61	3854986.51	3.39E-03	3.64E-03	2.69E-03	1.17E-06	3.54E-06	2.05E-06	2.05E-06	2.00E-06	9.11E-07	6.72E-07	0.00E+00	0.00E+00	3.77E-07	6.96E-08	4.74E-07	7.31E-08	5.21E-08	1.05E-06
14	486223.61	3854986.51	3.33E-03	3.57E-03	2.64E-03	1.15E-06	3.48E-06	2.01E-06	2.01E-06	1.96E-06	8.93E-07	6.62E-07	0.00E+00	0.00E+00	3.70E-07	6.83E-08	4.65E-07	7.17E-08	5.12E-08	1.03E-06
15	486273.61	3854986.51	3.26E-03	3.49E-03	2.60E-03	1.13E-06	3.40E-06	1.97E-06	1.97E-06	1.91E-06	8.73E-07	6.50E-07	0.00E+00	0.00E+00	3.62E-07	6.69E-08	4.55E-07	7.01E-08	5.03E-08	1.00E-06
16	486323.61	3854986.51	3.27E-03	3.50E-03	2.60E-03	1.13E-06	3.41E-06	1.98E-06	1.98E-06	1.92E-06	8.76E-07	6.52E-07	0.00E+00	0.00E+00	3.64E-07	6.71E-08	4.56E-07	7.03E-08	5.05E-08	1.01E-06
17	485973.61	3855036.51	4.06E-03	4.39E-03	3.13E-03	1.41E-06	4.25E-06	2.46E-06	2.46E-06	2.41E-06	1.10E-06	7.84E-07	0.00E+00	0.00E+00	4.52E-07	8.34E-08	5.72E-07	8.81E-08	6.07E-08	1.26E-06
18	486023.61	3855036.51	3.97E-03	4.29E-03	3.07E-03	1.38E-06	4.15E-06	2.40E-06	2.40E-06	2.35E-06	1.07E-06	7.69E-07	0.00E+00	0.00E+00	4.42E-07	8.16E-08	5.59E-07	8.61E-08	5.95E-08	1.23E-06
19	486073.61	3855036.51	3.86E-03	4.16E-03	3.00E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.28E-06	1.04E-06	7.50E-07	0.00E+00	0.00E+00	4.30E-07	7.93E-08	5.42E-07	8.36E-08	5.81E-08	1.19E-06
20	486123.61	3855036.51	3.78E-03	4.07E-03	2.95E-03	1.31E-06	3.95E-06	2.29E-06	2.29E-06	2.23E-06	1.02E-06	7.38E-07	0.00E+00	0.00E+00	4.21E-07	7.77E-08	5.31E-07	8.19E-08	5.71E-08	1.17E-06
21	486173.61	3855036.51	3.75E-03	4.03E-03	2.93E-03	1.30E-06	3.92E-06	2.27E-06	2.27E-06	2.21E-06	1.01E-06	7.32E-07	0.00E+00	0.00E+00	4.17E-07	7.70E-08	5.26E-07	8.11E-08	5.67E-08	1.16E-06
22	486223.61	3855036.51	3.65E-03	3.93E-03	2.86E-03	1.26E-06	3.82E-06	2.21E-06	2.21E-06	2.15E-06	9.83E-07	7.16E-07	0.00E+00	0.00E+00	4.06E-07	7.50E-08	5.12E-07	7.89E-08	5.55E-08	1.13E-06
23	486273.61	3855036.51	3.63E-03	3.90E-03	2.85E-03	1.26E-06	3.79E-06	2.20E-06	2.20E-06	2.14E-06	9.77E-07	7.13E-07	0.00E+00	0.00E+00	4.04E-07	7.45E-08	5.09E-07	7.84E-08	5.52E-08	1.12E-06
24	486323.61	3855036.51	3.56E-03	3.83E-03	2.81E-03	1.23E-06	3.72E-06	2.16E-06	2.16E-06	2.10E-06	9.58E-07	7.02E-07	0.00E+00	0.00E+00	3.97E-07	7.32E-08	4.99E-07	7.70E-08	5.44E-08	1.10E-06
25	485973.61	3855086.51	4.55E-03	4.93E-03	3.45E-03	1.57E-06	4.75E-06	2.75E-06	2.75E-06	2.70E-06	1.23E-06	8.62E-07	0.00E+00	0.00E+00	5.06E-07	9.34E-08	6.42E-07	9.90E-08	6.68E-08	1.41E-06
26	486023.61	3855086.51	4.46E-03	4.82E-03	3.39E-03	1.54E-06	4.66E-06	2.70E-06	2.70E-06	2.65E-06	1.21E-06	8.48E-07	0.00E+00	0.00E+00	4.96E-07	9.15E-08	6.29E-07	9.69E-08	6.56E-08	1.38E-06
27	486073.61	3855086.51	4.31E-03	4.66E-03	3.29E-03	1.49E-06	4.50E-06	2.61E-06	2.61E-06	2.56E-06	1.17E-06	8.24E-07	0.00E+00	0.00E+00	4.80E-07	8.85E-08	6.07E-07	9.36E-08	6.38E-08	1.33E-06
28	486123.61	3855086.51	4.23E-03	4.57E-03	3.24E-03	1.46E-06	4.42E-06	2.56E-06	2.56E-06	2.51E-06	1.14E-06	8.12E-07	0.00E+00	0.00E+00	4.71E-07	8.69E-08	5.96E-07	9.19E-08	6.29E-08	1.31E-06
29	486173.61	3855086.51	4.12E-03	4.44E-03	3.17E-03	1.42E-06	4.30E-06	2.49E-06	2.49E-06	2.44E-06	1.11E-06	7.93E-07	0.00E+00	0.00E+00	4.58E-07	8.45E-08	5.79E-07	8.93E-08	6.14E-08	1.27E-06
30	486223.61	3855086.51	4.05E-03	4.37E-03	3.13E-03	1.40E-06	4.23E-06	2.45E-06	2.45E-06	2.39E-06	1.09E-06	7.82E-07	0.00E+00	0.00E+00	4.50E-07	8.31E-08	5.69E-07	8.77E-08	6.06E-08	1.25E-06
31	485973.61	3855136.51	5.12E-03	5.57E-03	3.81E-03	1.77E-06	5.35E-06	3.10E-06	3.10E-06	3.05E-06	1.39E-06	9.55E-07	0.00E+00	0.00E+00	5.70E-07	1.05E-07	7.25E-07	1.12E-07	7.39E-08	1.59E-06
32	486023.61	3855136.51	4.97E-03	5.39E-03	3.72E-03	1.72E-06	5.19E-06	3.01E-06	3.01E-06	2.96E-06	1.35E-06	9.31E-07	0.00E+00	0.00E+00	5.53E-07	1.02E-07	7.03E-07	1.08E-07	7.21E-08	1.54E-06
33	486073.61	3855136.51	4.82E-03	5.23E-03	3.62E-03	1.67E-06	5.04E-06	2.91E-06	2.91E-06	2.87E-06	1.31E-06	9.07E-07	0.00E+00	0.00E+00	5.36E-07	9.89E-08	6.81E-07	1.05E-07	7.02E-08	1.49E-06
34	486123.61	3855136.51	4.69E-03	5.09E-03	3.55E-03	1.62E-06	4.91E-06	2.84E-06	2.84E-06	2.79E-06	1.27E-06	8.88E-07	0.00E+00	0.00E+00	5.22E-07	9.64E-08	6.63E-07	1.02E-07	6.87E-08	1.45E-06
35	486173.61	3855136.51	4.56E-03	4.94E-03	3.47E-03	1.58E-06	4.77E-06	2.76E-06	2.76E-06	2.71E-06	1.24E-06	8.67E-07	0.00E+00	0.00E+00	5.08E-07	9.37E-08	6.44E-07	9.93E-08	6.72E-08	1.41E-06
36	486223.61	3855136.51	4.46E-03	4.82E-03	3.40E-03	1.54E-06	4.66E-06	2.70E-06	2.70E-06	2.64E-06	1.21E-06	8.51E-07	0.00E+00	0.00E+00	4.96E-07	9.15E-08	6.28E-07	9.69E-08	6.59E-08	1.38E-06
37	485973.61	3855186.51	5.74E-03	6.26E-03	4.21E-03	1.99E-06	6.00E-06	3.48E-06	3.48E-06	3.43E-06	1.57E-06	1.05E-06	0.00E+00	0.00E+00	6.39E-07	1.18E-07	8.16E-07	1.26E-07	8.17E-08	1.78E-06
38	486023.61	3855186.51	5.56E-03	6.06E-03	4.10E-03	1.93E-06	5.81E-06	3.37E-06	3.37E-06	3.32E-06	1.52E-06	1.03E-06	0.00E+00	0.00E+00	6.19E-07	1.14E-07	7.89E-07	1.22E-07	7.95E-08	1.72E-06
39	486073.61	3855186.51	5.35E-03	5.81E-03	3.97E-03	1.85E-06	5.59E-06	3.23E-06	3.23E-06	3.19E-06	1.45E-06	9.93E-07	0.00E+00	0.00E+00	5.95E-07	1.10E-07	7.58E-07	1.17E-07	7.69E-08	1.66E-06
40	486123.61	3855186.51	5.15E-03	5.60E-03	3.85E-03	1.78E-06	5.38E-06	3.12E-06	3.12E-06	3.07E-06	1.40E-06	9.62E-07	0.00E+00	0.00E+00	5.73E-07	1.06E-07	7.29E-07	1.12E-07	7.45E-08	1.60E-06
41	486173.61	3855186.51	5.01E-03	5.44E-03	3.76E-03	1.73E-06	5.23E-06	3.03E-06	3.03E-06	2.98E-06	1.36E-06	9.41E-07	0.00E+00	0.00E+00	5.58E-07	1.03E-07	7.08E-07	1.09E-07	7.28E-08	1.55E-06
42	486223.61	3855186.51	4.88E-03	5.29E-03	3.68E-03	1.69E-06	5.10E-06	2.95E-06	2.95E-06	2.90E-06	1.32E-06	9.20E-07	0.00E+00	0.00E+00	5.43E-07	1.00E-07	6.89E-07	1.06E-07	7.13E-08	1.51E-06
43	486273.61	3855186.51	4.74E-03	5.14E-03	3.59E-03	1.64E-06	4.96E-06	2.87E-06	2.87E-06	2.82E-06	1.29E-06	8.99E-07	0.00E+00	0.00E+00	5.28E-07	9.74E-08	6.69E-07	1.03E-07	6.96E-08	1.47E-06
44	486323.61	3855186.51	4.74E-03	5.13E-03	3.60E-03	1.64E-06	4.96E-06	2.87E-06	2.87E-06	2.82E-06	1.28E-06	9.01E-07	0.00E+00	0.00E+00	5.28E-07	9.74E-08	6.69E-07	1.03E-07	6.98E-08	1.47E-06
45	485973.61	3855236.51	6.40E-03	7.00E-03	4.63E-03	2.22E-06	6.69E-06	3.87E-06	3.87E-06	3.84E-06	1.75E-06	1.16E-06	0.00E+00	0.00E+00	7.13E-07	1.32E-07	9.12E-07	1.41E-07	8.98E-08	1.99E-06
46	486023.61	3855236.51	6.13E-03	6.69E-03	4.47E-03	2.12E-06	6.41E-06	3.71E-06	3.71E-06	3.67E-06	1.67E-06	1.12E-06	0.00E+00	0.00E+00	6.83E-07	1.26E-07	8.72E-07	1.34E-07	8.66E-08	1.90E-06
47	486073.61	3855236.51	5.87E-03	6.40E-03	4.31E-03	2.03E-06	6.13E-06	3.55E-06	3.55E-06	3.51E-06	1.60E-06	1.08E-06	0.00E+00	0.00E+00	6.53E-07	1.21E-07	8.34E-07	1.29E-07	8.34E-08	1.82E-06
48	486123.61	3855236.51	5.67E-03	6.18E-03	4.19E-03	1.96E-06	5.93E-06	3.43E-06	3.43E-06	3.39E-06	1.55E-06	1.05E-06	0.00E+00	0.00E+00	6.31E-07	1.16E-07	8.05E-07	1.24E-07	8.11E-08	1.76E-06
49	486173.61	3855236.51	5.50E-03	5.98E-03	4.08E-03	1.90E-06	5.75E-06	3.33E-06	3.33E-06	3.28E-06	1.50E-06	1.02E-06	0.00E+00	0.00E+00	6.12E-07	1.13E-07	7.79E-07	1.20E-07	7.91E-08	1.70E-06
50	486223.61	3855236.51	5.33E-03	5.79E-03	3.97E-03	1.84E-06	5.57E-06	3.22E-06	3.22E-06	3.17E-06	1.45E-06	9.94E-07	0.00E+00	0.00E+00	5.93E-07	1.09E-07	7.54E-07	1.16E-07	7.70E-08	1.65E-06
51	486273.61	3855236.51	5.11E-03	5.54E-03	3.83E-03	1.77E-06	5.34E-06	3.09E-06	3.09E-06	3.04E-06	1.39E-06	9.59E-07	0.00E+00	0.00E+00	5.68E-07	1.05E-07	7.22E-07	1.11E-07	7.43E-08	1.58E-06
52	486323.61	3855236.51	5.16E-03	5.60E-03	3.88E-03	1.79E-06	5.39E-06	3.12E-06	3.12E-06	3.07E-06	1.40E-06	9.71E-07	0.00E+00	0.00E+00	5.74E-07	1.06E-07	7.30E-07	1.12E-07	7.52E-08	1.60E-06
53	485973.61	3855286.51	7.10E-03	7.77E-03	5.07E-03	2.46E-06	7.42E-06	4.29E-06	4.29E-06	4.26E-06	1.95E-06	1.27E-06	0.00E+00	0.00E+00	7.90E-07	1.46E-07	1.01E-06	1.56E-07	9.83E-08	2.20E-06
54	486023.61	3855286.51	6.76E-03	7.39E-03	4.87E-03	2.34E-06	7.06E-06	4.09E-06	4.09E-06	4.05E-06	1.85E-06	1.22E-06	0.00E+00	0.00E+00	7.52E-07	1.39E-07	9.63E-07	1.49E-07	9.43E-08	2.10E-06
55	486073.61	3855286.51	6.48E-03	7.08E-03	4.70E-03	2.24E-06	6.77E-06	3.92E-06	3.92E-06	3.88E-06	1.77E-06	1.18E-06	0.00E+00	0.00E+00	7.21E-07	1.33E-07	9.22E-07	1.42E-07	9.10E-08	2.01E-06
56	486123.61	3855286.51	6.21E-03	6.77E-03	4.53E-03	2.15E-06	6.49E-06	3.76E-06	3.76E-06	3.71E-06	1.69E-06	1.13E-06	0.00E+00	0.00E+00	6.91E-07	1.27E-07	8.82E-07	1.36E-07	8.78E-08	1.92E-06
57	486173.61	3855286.51	5.98E-03	6.51E-03	4.39E-03	2.07E-06	6.25E-06	3.62E-06	3.62E-06	3.57E-06	1.63E-06	1.10E-06	0.00E+00	0.00E+00	6.65E-07	1.23E-07	8.48E-07	1.31E-07	8.51E-08	1.85E-06
58	486223.61	3855286.51	5.80E-03	6.32E-03	4.29E-03	2.01E-06	6.07E-06	3.51E-06	3.51E-06	3.47E-06	1.58E-06	1.07E-06	0.00E+00	0.00E+00	6.46E-07	1.19E-07	8.23E-07	1.27E-07	8.31E-08	1.80E-06
59	486123.61	3855336.51	6.77E-03	7.40E-03	4.90E-03	2.34E-06	7.08E-06	4.10E-06	4.10E-06	4.06E-06	1.85E-06	1.23E-06	0.00E+00	0.00E+00	7.54E-07	1.39E-07	9.64E-07	1.49E-07	9.49E-08	2.10E-06
60	486173.61	3855336.51	6.53E-03	7.13E-03	4.75E-03	2.26E-06	6.83E-06	3.95E-06	3.95E-06	3.91E-06	1.79E-06	1.19E-06	0.00E+00	0.00E+00	7.27E-07	1.34E-07	9.30E-07	1.43E-07	9.21E-08	2.03E-06
61	486223.61	3855336.51	6.30E-03	6.87E-03	4.62E-03	2.18E-06	6.59E-06	3.81E-06	3.81E-06	3.77E-06	1.72E-06	1.16E-06	0.00E+00	0.00E+00	7.02E-07	1.29E-07	8.96E-07	1.38E-07	8.94E-08	1.95E-06
62	486123.61	3855386.51	7.39E-03	8.09E-03	5.29E-03	2.56E-06	7.72E-06	4.47E-06	4.47E-06	4.43E-06	2.02E-06	1.32E-06	0.00E+00	0.00E+00	8.22E-07	1.52E-07	1.05E-06	1.62E-07	1.03E-07	2.29E-06
63	486173.61	3855386.51	7.11E-03	7.78E-03	5.13E-03	2.46E-06	7.43E-06	4.30E-06	4.30E-06	4.26E-06	1.95E-06	1.28E-06	0.00E+00	0.00E+00	7.92E-07	1.46E-07	1.01E-06	1.56E-07	9.94E-08	2.21E-06
64	486223.61	3855386.51	6.87E-03	7.50E-03	4.99E-03	2.38E-06	7.18E-06	4.16E-06	4.16E-06	4.12E-06	1.88E-06	1.25E-06	0.00E+00	0.00E+00	7.65E-07	1.41E-07	9.78E-07	1.51E-07	9.66E-08	2.13E-06
65	486533.18	3855443.15	6.33E-03	6.88E-03	4.71E-03	2.19E-06	6.62E-06	3.83E-06	3.83E-06	3.77E-06	1.72E-06	1.18E-06	0.00E+00	0.00E+00	7.05E-07	1.30E-07	8.97E-07	1.38E-07	9.12E-08	1.96E-06
66	486583.18	3855443.15	6.16E-03	6.69E-03	4.60E-03	2.13E-06	6.44E-06	3.73E-06	3.73E-06	3.67E-06	1.67E-06	1.15E-06	0.00E+00	0.00E+00	6.86E-07	1.27E-07	8.72E-07	1.34E-07	8.92E-08	1.91E-06
67	486633.18	3855443.15	6.00E-03	6.51E-03	4.50E-03	2.08E-06	6.27E-06	3.63E-06	3.63E-06	3.57E-06	1.63E-06	1.13E-06	0.00E+00	0.00E+00	6.68E-07	1.23E-07	8.48E-07	1.31E-07	8.72E-08	1.86E-06
68	486683.18	3855443.15	5.88E-03	6.38E-03	4.43E-03	2.04E-06	6.15E-06	3.56E-06	3.56E-06	3.50E-06	1.60E-06	1.11E-06	0.00E+00	0.00E+00	6.55E-07	1.21E-07	8.31E-07	1.28E-07	8.59E-08	1.82E-06
69	486533.18	3855493.15	6.77E-03	7.37E-03	5.01E-03	2.34E-06	7.08E-06	4.10E-06	4.10E-06	4.04E-06	1.84E-06	1.25E-06	0.00E+00	0.00E+00	7.54E-07	1.39E-07	9.61E-07	1.48E-07	9.70E-08	2.10E-06
70	486583.18	3855493.15	6.60E-03	7.18E-03	4.90E-03	2.28E-06	6.90E-06	3.99E-06	3.99E-06	3.94E-06	1.80E-06	1.23E-06	0.00E+00	0.00E+00	7.35E-07	1.36E-07	9.35E-07	1.44E-07	9.50E-08	2.04E-06
71	486633.18	3855493.15	6.42E-03	6.98E-03	4.79E-03	2.22E-06	6.71E-06	3.89E-06	3.89E-06	3.83E-06	1.75E-06	1.20E-06	0.00E+00	0.00E+00	7.15E-07	1.32E-07	9.09E-07	1.40E-07	9.29E-08	1.99E-06
72	486683.18	3855493.15	6.26E-03	6.79E-03	4.69E-03	2.17E-06	6.54E-06	3.79E-06	3.79E-06	3.73E-06	1.70E-06	1.17E-06	0.00E+00	0.00E+00	6.97E-07	1.29E-07	8.85E-07	1.37E-07	9.10E-08	1.94E-06
73	486533.18	3855543.15	7.27E-03	7.92E-03	5.34E-03	2.52E-06	7.60E-06	4.40E-06	4.40E-06	4.34E-06	1.98E-06	1.34E-06	0.00E+00	0.00E+00	8.09E-07	1.49E-07	1.03E-06	1.59E-07	1.04E-07	2.25E-06
74	486583.18	3855543.15	7.02E-03	7.63E-03	5.19E-03	2.43E-06	7.33E-06	4.24E-06	4.24E-06	4.19E-06	1.91E-06	1.30E-06	0.00E+00	0.00E+00	7.81E-07	1.44E-07	9.95E-07	1.53E-07	1.01E-07	2.17E-06
75	486633.18	3855543.15	6.84E-03	7.43E-03	5.08E-03	2.37E-06	7.14E-06	4.14E-06	4.14E-06	4.08E-06	1.86E-06	1.27E-06	0.00E+00	0.00E+00	7.61E-07	1.40E-07	9.69E-07	1.49E-07	9.84E-08	2.12E-06
76	486683.18	3855543.15	6.60E-03	7.17E-03	4.93E-03	2.29E-06	6.90E-06	4.00E-06	4.00E-06	3.93E-06	1.80E-06	1.23E-06	0.00E+00	0.00E+00	7.35E-07	1.36E-07	9.35E-07	1.44E-07	9.56E-08	2.05E-06
77	486533.18	3855593.15	7.75E-03	8.45E-03	5.67E-03	2.68E-06	8.10E-06	4.69E-06	4.69E-06	4.63E-06	2.11E-06	1.42E-06	0.00E+00	0.00E+00	8.62E-07	1.59E-07	1.10E-06	1.70E-07	1.10E-07	2.40E-06
78	486583.18	3855593.15	7.49E-03	8.16E-03	5.52E-03	2.59E-06	7.83E-06	4.53E-06	4.53E-06	4.48E-06	2.04E-06	1.38E-06	0.00E+00	0.00E+00	8.34E-07	1.54E-07	1.06E-06	1.64E-07	1.07E-07	2.32E-06
79	486633.18	3855593.15	7.27E-03	7.91E-03	5.38E-03	2.52E-06	7.60E-06	4.40E-06	4.40E-06	4.34E-06	1.98E-06	1.35E-06	0.00E+00	0.00E+00	8.09E-07	1.49E-07	1.03E-06	1.59E-07	1.04E-07	2.25E-06
80	486683.18	3855593.15	7.09E-03	7.70E-03	5.27E-03	2.45E-06	7.41E-06	4.29E-06	4.29E-06	4.23E-06	1.93E-06	1.32E-06	0.00E+00	0.00E+00	7.89E-07	1.46E-07	1.00E-06	1.55E-07	1.02E-07	2.20E-06
81	486533.18	3855643.15	8.26E-03	9.02E-03	6.02E-03	2.86E-06	8.64E-06	5.00E-06	5.00E-06	4.95E-06	2.26E-06	1.51E-06	0.00E+00	0.00E+00	9.20E-07	1.70E-07	1.18E-06	1.81E-07	1.17E-07	2.56E-06
82	486583.18	3855643.15	8.00E-03	8.72E-03	5.86E-03	2.77E-06	8.36E-06	4.84E-06	4.84E-06	4.78E-06	2.18E-06	1.47E-06	0.00E+00	0.00E+00	8.90E-07	1.64E-07	1.14E-06	1.75E-07	1.14E-07	2.48E-06
83	486633.18	3855643.15	7.75E-03	8.44E-03	5.71E-03	2.68E-06	8.10E-06	4.69E-06	4.69E-06	4.63E-06	2.11E-06	1.43E-06	0.00E+00	0.00E+00	8.62E-07	1.59E-07	1.10E-06	1.70E-07	1.11E-07	2.40E-06
84	486683.18	3855643.15	7.52E-03	8.19E-03	5.57E-03	2.60E-06	7.86E-06	4.55E-06	4.55E-06	4.49E-06	2.05E-06	1.39E-06	0.00E+00	0.00E+00	8.38E-07	1.55E-07	1.07E-06	1.65E-07	1.08E-07	2.33E-06
85	486533.18	3855693.15	8.85E-03	9.67E-03	6.42E-03	3.06E-06	9.25E-06	5.36E-06	5.36E-06	5.30E-06	2.42E-06	1.61E-06	0.00E+00	0.00E+00	9.85E-07	1.82E-07	1.26E-06	1.94E-07	1.24E-07	2.75E-06
86	486583.18	3855693.15	8.49E-03	9.26E-03	6.20E-03	2.94E-06	8.87E-06	5.14E-06	5.14E-06	5.08E-06	2.32E-06	1.55E-06	0.00E+00	0.00E+00	9.45E-07	1.74E-07	1.21E-06	1.86E-07	1.20E-07	2.63E-06
87	486633.18	3855693.15	8.14E-03	8.87E-03	5.98E-03	2.82E-06	8.51E-06	4.93E-06	4.93E-06	4.87E-06	2.22E-06	1.50E-06	0.00E+00	0.00E+00	9.06E-07	1.67E-07	1.16E-06	1.78E-07	1.16E-07	2.52E-06
88	486683.18	3855693.15	7.98E-03	8.69E-03	5.89E-03	2.76E-06	8.34E-06	4.83E-06	4.83E-06	4.76E-06	2.17E-06	1.47E-06	0.00E+00	0.00E+00	8.88E-07	1.64E-07	1.13E-06	1.75E-07	1.14E-07	2.47E-06
89	486733.18	3855693.15	7.88E-03	8.58E-03	5.84E-03	2.73E-06	8.24E-06	4.77E-06	4.77E-06	4.70E-06	2.15E-06	1.46E-06	0.00E+00	0.00E+00	8.77E-07	1.62E-07	1.12E-06	1.72E-07	1.13E-07	2.44E-06
90	486783.18	3855693.15	7.82E-03	8.51E-03	5.81E-03	2.71E-06	8.18E-06	4.73E-06	4.73E-06	4.67E-06	2.13E-06	1.45E-06	0.00E+00	0.00E+00	8.71E-07	1.61E-07	1.11E-06	1.71E-07	1.13E-07	2.42E-06
91	486533.18	3855743.15	9.42E-03	1.03E-02	6.81E-03	3.26E-06	9.85E-06	5.70E-06	5.70E-06	5.65E-06	2.58E-06	1.70E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.34E-06	2.07E-07	1.32E-07	2.92E-06
92	486583.18	3855743.15	8.96E-03	9.78E-03	6.52E-03	3.10E-06	9.37E-06	5.42E-06	5.42E-06	5.37E-06	2.45E-06	1.63E-06	0.00E+00	0.00E+00	9.98E-07	1.84E-07	1.27E-06	1.97E-07	1.26E-07	2.78E-06
93	486633.18	3855743.15	8.65E-03	9.43E-03	6.33E-03	2.99E-06	9.04E-06	5.23E-06	5.23E-06	5.17E-06	2.36E-06	1.58E-06	0.00E+00	0.00E+00	9.62E-07	1.78E-07	1.23E-06	1.89E-07	1.23E-07	2.68E-06
94	486683.18	3855743.15	8.51E-03	9.27E-03	6.25E-03	2.95E-06	8.89E-06	5.15E-06	5.15E-06	5.08E-06	2.32E-06	1.57E-06	0.00E+00	0.00E+00	9.47E-07	1.75E-07	1.21E-06	1.86E-07	1.21E-07	2.64E-06
95	486733.18	3855743.15	8.32E-03	9.06E-03	6.14E-03	2.88E-06	8.70E-06	5.04E-06	5.04E-06	4.97E-06	2.27E-06	1.54E-06	0.00E+00	0.00E+00	9.26E-07	1.71E-07	1.18E-06	1.82E-07	1.19E-07	2.58E-06
96	486783.18	3855743.15	8.29E-03	9.02E-03	6.14E-03	2.87E-06	8.67E-06	5.02E-06	5.02E-06	4.95E-06	2.26E-06	1.54E-06	0.00E+00	0.00E+00	9.23E-07	1.70E-07	1.18E-06	1.81E-07	1.19E-07	2.57E-06
97	486533.18	3855793.15	1.00E-02	1.10E-02	7.23E-03	3.47E-06	1.05E-05	6.07E-06	6.07E-06	6.02E-06	2.75E-06	1.81E-06	0.00E+00	0.00E+00	1.12E-06	2.06E-07	1.43E-06	2.20E-07	1.40E-07	3.11E-06
98	486583.18	3855793.15	9.42E-03	1.03E-02	6.84E-03	3.26E-06	9.85E-06	5.70E-06	5.70E-06	5.64E-06	2.57E-06	1.71E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.34E-06	2.07E-07	1.33E-07	2.92E-06

99	486633.18	3855793.15	9.24E-03	1.01E-02	6.74E-03	3.20E-06	9.66E-06	5.59E-06	5.59E-06	5.53E-06	2.52E-06	1.69E-06	0.00E+00	0.00E+00	1.03E-06	1.90E-07	1.31E-06	2.03E-07	1.31E-07	2.87E-06
100	486683.18	3855793.15	9.09E-03	9.91E-03	6.66E-03	3.15E-06	9.50E-06	5.50E-06	5.50E-06	5.44E-06	2.48E-06	1.67E-06	0.00E+00	0.00E+00	1.01E-06	1.87E-07	1.29E-06	1.99E-07	1.29E-07	2.82E-06
101	486733.18	3855793.15	8.91E-03	9.71E-03	6.55E-03	3.08E-06	9.31E-06	5.39E-06	5.39E-06	5.32E-06	2.43E-06	1.64E-06	0.00E+00	0.00E+00	9.92E-07	1.83E-07	1.27E-06	1.95E-07	1.27E-07	2.76E-06
102	486783.18	3855793.15	8.76E-03	9.54E-03	6.47E-03	3.03E-06	9.16E-06	5.30E-06	5.30E-06	5.23E-06	2.39E-06	1.62E-06	0.00E+00	0.00E+00	9.75E-07	1.80E-07	1.24E-06	1.92E-07	1.25E-07	2.72E-06
103	486533.18	3855843.15	1.06E-02	1.16E-02	7.59E-03	3.66E-06	1.10E-05	6.39E-06	6.39E-06	6.34E-06	2.89E-06	1.90E-06	0.00E+00	0.00E+00	1.18E-06	2.17E-07	1.51E-06	2.32E-07	1.47E-07	3.28E-06
104	486583.18	3855843.15	1.00E-02	1.10E-02	7.25E-03	3.47E-06	1.05E-05	6.06E-06	6.06E-06	6.01E-06	2.74E-06	1.81E-06	0.00E+00	0.00E+00	1.12E-06	2.06E-07	1.43E-06	2.20E-07	1.41E-07	3.11E-06
105	486633.18	3855843.15	9.83E-03	1.07E-02	7.14E-03	3.40E-06	1.03E-05	5.95E-06	5.95E-06	5.89E-06	2.69E-06	1.79E-06	0.00E+00	0.00E+00	1.09E-06	2.02E-07	1.40E-06	2.16E-07	1.38E-07	3.05E-06
106	486683.18	3855843.15	9.65E-03	1.05E-02	7.04E-03	3.34E-06	1.01E-05	5.84E-06	5.84E-06	5.78E-06	2.64E-06	1.76E-06	0.00E+00	0.00E+00	1.07E-06	1.98E-07	1.37E-06	2.12E-07	1.37E-07	2.99E-06
107	486733.18	3855843.15	9.49E-03	1.03E-02	6.95E-03	3.28E-06	9.91E-06	5.74E-06	5.74E-06	5.67E-06	2.59E-06	1.74E-06	0.00E+00	0.00E+00	1.06E-06	1.95E-07	1.35E-06	2.08E-07	1.35E-07	2.94E-06
108	486783.18	3855843.15	9.30E-03	1.01E-02	6.85E-03	3.22E-06	9.72E-06	5.63E-06	5.63E-06	5.56E-06	2.54E-06	1.71E-06	0.00E+00	0.00E+00	1.04E-06	1.91E-07	1.32E-06	2.04E-07	1.33E-07	2.88E-06
109	486533.18	3855893.15	1.10E-02	1.20E-02	7.87E-03	3.80E-06	1.15E-05	6.64E-06	6.64E-06	6.59E-06	3.01E-06	1.97E-06	0.00E+00	0.00E+00	1.22E-06	2.25E-07	1.57E-06	2.41E-07	1.52E-07	3.41E-06
110	486583.18	3855893.15	1.07E-02	1.17E-02	7.72E-03	3.71E-06	1.12E-05	6.48E-06	6.48E-06	6.42E-06	2.93E-06	1.93E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.53E-06	2.35E-07	1.50E-07	3.32E-06
111	486633.18	3855893.15	1.04E-02	1.14E-02	7.57E-03	3.62E-06	1.09E-05	6.32E-06	6.32E-06	6.26E-06	2.86E-06	1.89E-06	0.00E+00	0.00E+00	1.16E-06	2.15E-07	1.49E-06	2.29E-07	1.47E-07	3.24E-06
112	486683.18	3855893.15	1.02E-02	1.12E-02	7.45E-03	3.55E-06	1.07E-05	6.20E-06	6.20E-06	6.13E-06	2.80E-06	1.86E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.46E-06	2.25E-07	1.44E-07	3.18E-06
113	486733.18	3855893.15	1.01E-02	1.10E-02	7.34E-03	3.48E-06	1.05E-05	6.08E-06	6.08E-06	6.01E-06	2.74E-06	1.84E-06	0.00E+00	0.00E+00	1.12E-06	2.06E-07	1.43E-06	2.20E-07	1.42E-07	3.12E-06
114	486783.18	3855893.15	9.90E-03	1.08E-02	7.26E-03	3.43E-06	1.03E-05	5.99E-06	5.99E-06	5.92E-06	2.70E-06	1.82E-06	0.00E+00	0.00E+00	1.10E-06	2.03E-07	1.41E-06	2.17E-07	1.41E-07	3.07E-06
115	486533.18	3855943.15	1.16E-02	1.27E-02	8.30E-03	4.02E-06	1.21E-05	7.03E-06	7.03E-06	6.98E-06	3.19E-06	2.08E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.66E-06	2.56E-07	1.61E-07	3.61E-06
116	486583.18	3855943.15	1.14E-02	1.25E-02	8.21E-03	3.96E-06	1.20E-05	6.92E-06	6.92E-06	6.87E-06	3.13E-06	2.05E-06	0.00E+00	0.00E+00	1.27E-06	2.35E-07	1.63E-06	2.52E-07	1.59E-07	3.55E-06
117	486633.18	3855943.15	1.11E-02	1.21E-02	8.01E-03	3.84E-06	1.16E-05	6.72E-06	6.72E-06	6.66E-06	3.04E-06	2.00E-06	0.00E+00	0.00E+00	1.24E-06	2.28E-07	1.58E-06	2.44E-07	1.55E-07	3.45E-06
118	486683.18	3855943.15	1.09E-02	1.19E-02	7.90E-03	3.78E-06	1.14E-05	6.60E-06	6.60E-06	6.54E-06	2.98E-06	1.98E-06	0.00E+00	0.00E+00	1.21E-06	2.24E-07	1.55E-06	2.40E-07	1.53E-07	3.38E-06
119	486733.18	3855943.15	1.06E-02	1.16E-02	7.75E-03	3.69E-06	1.11E-05	6.44E-06	6.44E-06	6.38E-06	2.91E-06	1.94E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.52E-06	2.34E-07	1.50E-07	3.30E-06
120	486783.18	3855943.15	1.05E-02	1.14E-02	7.67E-03	3.63E-06	1.10E-05	6.34E-06	6.34E-06	6.27E-06	2.86E-06	1.92E-06	0.00E+00	0.00E+00	1.17E-06	2.15E-07	1.49E-06	2.30E-07	1.49E-07	3.25E-06
121	486533.18	3855993.15	1.24E-02	1.36E-02	8.83E-03	4.30E-06	1.30E-05	7.52E-06	7.52E-06	7.47E-06	3.41E-06	2.21E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.78E-06	2.74E-07	1.71E-07	3.86E-06
122	486583.18	3855993.15	1.21E-02	1.33E-02	8.66E-03	4.19E-06	1.27E-05	7.33E-06	7.33E-06	7.28E-06	3.32E-06	2.17E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.73E-06	2.67E-07	1.68E-07	3.76E-06
123	486633.18	3855993.15	1.18E-02	1.29E-02	8.48E-03	4.09E-06	1.23E-05	7.14E-06	7.14E-06	7.09E-06	3.23E-06	2.12E-06	0.00E+00	0.00E+00	1.31E-06	2.43E-07	1.68E-06	2.60E-07	1.64E-07	3.67E-06
124	486683.18	3855993.15	1.16E-02	1.27E-02	8.35E-03	4.01E-06	1.21E-05	7.00E-06	7.00E-06	6.94E-06	3.17E-06	2.09E-06	0.00E+00	0.00E+00	1.29E-06	2.38E-07	1.65E-06	2.54E-07	1.62E-07	3.59E-06
125	486733.18	3855993.15	1.13E-02	1.23E-02	8.20E-03	3.91E-06	1.18E-05	6.84E-06	6.84E-06	6.77E-06	3.09E-06	2.05E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.61E-06	2.48E-07	1.59E-07	3.51E-06
126	486783.18	3855993.15	1.11E-02	1.21E-02	8.07E-03	3.83E-06	1.16E-05	6.70E-06	6.70E-06	6.63E-06	3.02E-06	2.02E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.58E-06	2.43E-07	1.56E-07	3.43E-06
127	486533.18	3856043.15	1.32E-02	1.45E-02	9.37E-03	4.58E-06	1.38E-05	8.01E-06	8.01E-06	7.97E-06	3.64E-06	2.34E-06	0.00E+00	0.00E+00	1.47E-06	2.72E-07	1.89E-06	2.92E-07	1.82E-07	4.11E-06
128	486583.18	3856043.15	1.29E-02	1.42E-02	9.20E-03	4.48E-06	1.35E-05	7.83E-06	7.83E-06	7.78E-06	3.55E-06	2.30E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.85E-06	2.85E-07	1.78E-07	4.02E-06
129	486633.18	3856043.15	1.25E-02	1.37E-02	8.98E-03	4.34E-06	1.31E-05	7.59E-06	7.59E-06	7.54E-06	3.44E-06	2.25E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.79E-06	2.76E-07	1.74E-07	3.90E-06
130	486683.18	3856043.15	1.23E-02	1.35E-02	8.84E-03	4.26E-06	1.29E-05	7.44E-06	7.44E-06	7.38E-06	3.37E-06	2.21E-06	0.00E+00	0.00E+00	1.37E-06	2.53E-07	1.75E-06	2.70E-07	1.71E-07	3.82E-06
131	486733.18	3856043.15	1.20E-02	1.31E-02	8.65E-03	4.14E-06	1.25E-05	7.24E-06	7.24E-06	7.17E-06	3.27E-06	2.16E-06	0.00E+00	0.00E+00	1.33E-06	2.46E-07	1.70E-06	2.63E-07	1.68E-07	3.71E-06
132	486783.18	3856043.15	1.18E-02	1.28E-02	8.54E-03	4.07E-06	1.23E-05	7.11E-06	7.11E-06	7.04E-06	3.21E-06	2.14E-06	0.00E+00	0.00E+00	1.31E-06	2.41E-07	1.67E-06	2.58E-07	1.65E-07	3.65E-06
133	486533.18	3856093.15	1.42E-02	1.56E-02	9.99E-03	4.92E-06	1.48E-05	8.60E-06	8.60E-06	8.56E-06	3.91E-06	2.50E-06	0.00E+00	0.00E+00	1.58E-06	2.92E-07	2.03E-06	3.14E-07	1.94E-07	4.41E-06
134	486583.18	3856093.15	1.38E-02	1.51E-02	9.75E-03	4.77E-06	1.44E-05	8.34E-06	8.34E-06	8.29E-06	3.78E-06	2.44E-06	0.00E+00	0.00E+00	1.53E-06	2.83E-07	1.97E-06	3.04E-07	1.89E-07	4.28E-06
135	486633.18	3856093.15	1.34E-02	1.47E-02	9.52E-03	4.63E-06	1.40E-05	8.09E-06	8.09E-06	8.04E-06	3.67E-06	2.38E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.91E-06	2.94E-07	1.84E-07	4.15E-06
136	486683.18	3856093.15	1.30E-02	1.43E-02	9.34E-03	4.52E-06	1.36E-05	7.89E-06	7.89E-06	7.84E-06	3.58E-06	2.34E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.86E-06	2.87E-07	1.81E-07	4.05E-06
137	486733.18	3856093.15	1.27E-02	1.39E-02	9.14E-03	4.40E-06	1.33E-05	7.68E-06	7.68E-06	7.62E-06	3.48E-06	2.29E-06	0.00E+00	0.00E+00	1.41E-06	2.61E-07	1.81E-06	2.79E-07	1.77E-07	3.94E-06
138	486783.18	3856093.15	1.24E-02	1.36E-02	8.99E-03	4.30E-06	1.30E-05	7.52E-06	7.52E-06	7.45E-06	3.40E-06	2.25E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.77E-06	2.73E-07	1.74E-07	3.86E-06
139	486533.18	3856143.15	1.52E-02	1.67E-02	1.06E-02	5.26E-06	1.59E-05	9.19E-06	9.19E-06	9.16E-06	4.18E-06	2.66E-06	0.00E+00	0.00E+00	1.69E-06	3.12E-07	2.18E-06	3.36E-07	2.06E-07	4.72E-06
140	486583.18	3856143.15	1.46E-02	1.61E-02	1.03E-02	5.07E-06	1.53E-05	8.86E-06	8.86E-06	8.82E-06	4.02E-06	2.58E-06	0.00E+00	0.00E+00	1.63E-06	3.01E-07	2.10E-06	3.23E-07	2.00E-07	4.55E-06
141	486633.18	3856143.15	1.42E-02	1.56E-02	1.01E-02	4.93E-06	1.49E-05	8.61E-06	8.61E-06	8.57E-06	3.91E-06	2.52E-06	0.00E+00	0.00E+00	1.58E-06	2.92E-07	2.04E-06	3.14E-07	1.95E-07	4.42E-06
142	486683.18	3856143.15	1.38E-02	1.52E-02	9.86E-03	4.79E-06	1.45E-05	8.37E-06	8.37E-06	8.32E-06	3.79E-06	2.47E-06	0.00E+00	0.00E+00	1.54E-06	2.84E-07	1.98E-06	3.05E-07	1.91E-07	4.30E-06
143	486733.18	3856143.15	1.35E-02	1.47E-02	9.65E-03	4.66E-06	1.41E-05	8.15E-06	8.15E-06	8.09E-06	3.69E-06	2.42E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.92E-06	2.96E-07	1.87E-07	4.18E-06
144	486783.18	3856143.15	1.32E-02	1.45E-02	9.52E-03	4.57E-06	1.38E-05	7.99E-06	7.99E-06	7.93E-06	3.62E-06	2.38E-06	0.00E+00	0.00E+00	1.47E-06	2.71E-07	1.88E-06	2.90E-07	1.85E-07	4.10E-06
145	486533.18	3856193.15	1.63E-02	1.80E-02	1.13E-02	5.65E-06	1.71E-05	9.88E-06	9.88E-06	9.86E-06	4.50E-06	2.84E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.34E-06	3.61E-07	2.20E-07	5.08E-06
146	486583.18	3856193.15	1.56E-02	1.72E-02	1.09E-02	5.41E-06	1.63E-05	9.46E-06	9.46E-06	9.43E-06	4.30E-06	2.74E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.24E-06	3.46E-07	2.12E-07	4.86E-06
147	486633.18	3856193.15	1.52E-02	1.66E-02	1.07E-02	5.25E-06	1.58E-05	9.17E-06	9.17E-06	9.13E-06	4.17E-06	2.67E-06	0.00E+00	0.00E+00	1.69E-06	3.11E-07	2.17E-06	3.35E-07	2.07E-07	4.71E-06
148	486683.18	3856193.15	1.48E-02	1.62E-02	1.05E-02	5.12E-06	1.55E-05	8.95E-06	8.95E-06	8.90E-06	4.06E-06	2.62E-06	0.00E+00	0.00E+00	1.65E-06	3.04E-07	2.11E-06	3.26E-07	2.03E-07	4.59E-06
149	486733.18	3856193.15	1.43E-02	1.57E-02	1.02E-02	4.96E-06	1.50E-05	8.67E-06	8.67E-06	8.61E-06	3.93E-06	2.56E-06	0.00E+00	0.00E+00	1.59E-06	2.94E-07	2.05E-06	3.15E-07	1.98E-07	4.45E-06
150	486783.18	3856193.15	1.40E-02	1.53E-02	1.01E-02	4.85E-06	1.47E-05	8.48E-06	8.48E-06	8.42E-06	3.84E-06	2.52E-06	0.00E+00	0.00E+00	1.56E-06	2.88E-07	2.00E-06	3.08E-07	1.95E-07	4.35E-06
151	486533.18	3856243.15	1.75E-02	1.93E-02	1.21E-02	6.07E-06	1.83E-05	1.06E-05	1.06E-05	1.06E-05	4.84E-06	3.02E-06	0.00E+00	0.00E+00	1.95E-06	3.60E-07	2.52E-06	3.89E-07	2.34E-07	5.45E-06
152	486583.18	3856243.15	1.68E-02	1.85E-02	1.17E-02	5.83E-06	1.76E-05	1.02E-05	1.02E-05	1.02E-05	4.64E-06	2.93E-06	0.00E+00	0.00E+00	1.87E-06	3.46E-07	2.42E-06	3.72E-07	2.27E-07	5.23E-06
153	486633.18	3856243.15	1.62E-02	1.78E-02	1.14E-02	5.61E-06	1.69E-05	9.81E-06	9.81E-06	9.78E-06	4.46E-06	2.84E-06	0.00E+00	0.00E+00	1.81E-06	3.33E-07	2.32E-06	3.58E-07	2.20E-07	5.04E-06
154	486683.18	3856243.15	1.57E-02	1.73E-02	1.11E-02	5.44E-06	1.64E-05	9.51E-06	9.51E-06	9.46E-06	4.32E-06	2.77E-06	0.00E+00	0.00E+00	1.75E-06	3.23E-07	2.25E-06	3.47E-07	2.15E-07	4.88E-06
155	486733.18	3856243.15	1.53E-02	1.68E-02	1.08E-02	5.29E-06	1.60E-05	9.25E-06	9.25E-06	9.20E-06	4.20E-06	2.71E-06	0.00E+00	0.00E+00	1.70E-06	3.14E-07	2.19E-06	3.37E-07	2.10E-07	4.75E-06
156	486783.18	3856243.15	1.48E-02	1.63E-02	1.06E-02	5.14E-06	1.55E-05	8.98E-06	8.98E-06	8.92E-06	4.07E-06	2.65E-06	0.00E+00	0.00E+00	1.65E-06	3.05E-07	2.12E-06	3.27E-07	2.05E-07	4.61E-06
157	486533.18	3856293.15	1.90E-02	2.09E-02	1.29E-02	6.56E-06	1.98E-05	1.15E-05	1.15E-05	1.15E-05	5.24E-06	3.24E-06	0.00E+00	0.00E+00	2.11E-06	3.89E-07	2.73E-06	4.21E-07	2.51E-07	5.90E-06
158	486583.18	3856293.15	1.81E-02	2.00E-02	1.25E-02	6.26E-06	1.89E-05	1.09E-05	1.09E-05	1.09E-05	4.99E-06	3.12E-06	0.00E+00	0.00E+00	2.01E-06	3.72E-07	2.60E-06	4.01E-07	2.42E-07	5.63E-06
159	486633.18	3856293.15	1.74E-02	1.91E-02	1.21E-02	6.02E-06	1.82E-05	1.05E-05	1.05E-05	1.05E-05	4.79E-06	3.02E-06	0.00E+00	0.00E+00	1.94E-06	3.57E-07	2.50E-06	3.85E-07	2.34E-07	5.41E-06
160	486683.18	3856293.15	1.68E-02	1.84E-02	1.17E-02	5.81E-06	1.75E-05	1.02E-05	1.02E-05	1.01E-05	4.62E-06	2.94E-06	0.00E+00	0.00E+00	1.87E-06	3.45E-07	2.40E-06	3.71E-07	2.28E-07	5.21E-06
161	486733.18	3856293.15	1.63E-02	1.79E-02	1.15E-02	5.64E-06	1.70E-05	9.86E-06	9.86E-06	9.82E-06	4.48E-06	2.88E-06	0.00E+00	0.00E+00	1.81E-06	3.35E-07	2.33E-06	3.60E-07	2.23E-07	5.06E-06
162	486783.18	3856293.15	1.58E-02	1.73E-02	1.12E-02	5.46E-06	1.65E-05	9.54E-06	9.54E-06	9.49E-06	4.33E-06	2.80E-06	0.00E+00	0.00E+00	1.76E-06	3.24E-07	2.25E-06	3.48E-07	2.17E-07	4.90E-06
163	486783.18	3856343.15	1.69E-02	1.85E-02	1.19E-02	5.84E-06	1.76E-05	1.02E-05	1.02E-05	1.02E-05	4.63E-06	2.98E-06	0.00E+00	0.00E+00	1.88E-06	3.46E-07	2.41E-06	3.72E-07	2.31E-07	5.24E-06
164	486833.18	3856343.15	1.63E-02	1.79E-02	1.16E-02	5.65E-06	1.71E-05	9.88E-06	9.88E-06	9.82E-06	4.48E-06	2.91E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.33E-06	3.60E-07	2.25E-07	5.07E-06
165	486883.18	3856343.15	1.58E-02	1.73E-02	1.14E-02	5.48E-06	1.66E-05	9.59E-06	9.59E-06	9.52E-06	4.34E-06	2.84E-06	0.00E+00	0.00E+00	1.76E-06	3.25E-07	2.26E-06	3.49E-07	2.20E-07	4.92E-06
166	486783.18	3856393.15	1.79E-02	1.97E-02	1.26E-02	6.21E-06	1.87E-05	1.09E-05	1.09E-05	1.08E-05	4.94E-06	3.15E-06	0.00E+00	0.00E+00	2.00E-06	3.68E-07	2.57E-06	3.96E-07	2.44E-07	5.58E-06
167	486833.18	3856393.15	1.73E-02	1.90E-02	1.23E-02	6.00E-06	1.81E-05	1.05E-05	1.05E-05	1.04E-05	4.76E-06	3.07E-06	0.00E+00	0.00E+00	1.93E-06	3.56E-07	2.48E-06	3.82E-07	2.37E-07	5.38E-06
168	486883.18	3856393.15	1.67E-02	1.83E-02	1.19E-02	5.79E-06	1.75E-05	1.01E-05	1.01E-05	1.00E-05	4.59E-06	2.98E-06	0.00E+00	0.00E+00	1.86E-06	3.43E-07	2.39E-06	3.68E-07	2.31E-07	5.19E-06
169	487208.74	3856886.11	2.27E-02	2.50E-02	1.59E-02	7.86E-06	2.37E-05	1.37E-05	1.37E-05	1.37E-05	6.25E-06	3.99E-06	0.00E+00	0.00E+00	2.53E-06	4.66E-07	3.25E-06	5.01E-07	3.09E-07	7.06E-06
170	487258.74	3856886.11	2.14E-02	2.35E-02	1.52E-02	7.41E-06	2.24E-05	1.29E-05	1.29E-05	1.29E-05	5.87E-06	3.81E-06	0.00E+00	0.00E+00	2.38E-06	4.39E-07	3.06E-06	4.72E-07	2.95E-07	6.65E-06
171	487308.74	3856886.11	2.03E-02	2.22E-02	1.46E-02	7.02E-06	2.12E-05	1.23E-05	1.23E-05	1.22E-05	5.55E-06	3.65E-06	0.00E+00	0.00E+00	2.26E-06	4.16E-07	2.89E-06	4.46E-07	2.83E-07	6.29E-06
172	487358.74	3856886.11	1.93E-02	2.10E-02	1.40E-02	6.67E-06	2.01E-05	1.17E-05	1.17E-05	1.15E-05	5.26E-06	3.51E-06	0.00E+00	0.00E+00	2.14E-06	3.96E-07	2.74E-06	4.23E-07	2.72E-07	5.98E-06
173	487208.74	3856936.11	2.40E-02	2.65E-02	1.67E-02	8.32E-06	2.51E-05	1.45E-05	1.45E-05	1.45E-05	6.62E-06	4.18E-06	0.00E+00	0.00E+00	2.68E-06	4.94E-07	3.45E-06	5.32E-07	3.24E-07	7.47E-06
174	487258.74	3856936.11	2.24E-02	2.46E-02	1.58E-02	7.76E-06	2.34E-05	1.36E-05	1.36E-05	1.35E-05	6.16E-06	3.96E-06	0.00E+00	0.00E+00	2.49E-06	4.60E-07	3.21E-06	4.94E-07	3.07E-07	6.96E-06
175	487308.74	3856936.11	2.10E-02	2.30E-02	1.51E-02	7.28E-06	2.20E-05	1.27E-05	1.27E-05	1.26E-05	5.76E-06	3.78E-06	0.00E+00	0.00E+00	2.34E-06	4.32E-07	3.00E-06	4.62E-07	2.93E-07	6.53E-06
176	487358.74	3856936.11	1.98E-02	2.16E-02	1.44E-02	6.86E-06	2.07E-05	1.20E-05	1.20E-05	1.19E-05	5.42E-06	3.61E-06	0.00E+00	0.00E+00	2.21E-06	4.07E-07	2.82E-06	4.35E-07	2.80E-07	6.15E-06
177	487208.74	3856986.11	2.52E-02	2.78E-02	1.74E-02	8.73E-06	2.64E-05	1.53E-05	1.53E-05	1.53E-05	6.96E-06	4.36E-06	0.00E+00	0.00E+00	2.81E-06	5.18E-07	3.62E-06	5.59E-07	3.37E-07	7.84E-06
178	487258.74	3856986.11	2.31E-02	2.54E-02	1.63E-02	8.01E-06	2.42E-05	1.40E-05	1.40E-05	1.39E-05	6.36E-06	4.08E-06	0.00E+00	0.00E+00	2.57E-06	4.75E-07	3.31E-06	5.10E-07	3.16E-07	7.19E-06
179	487308.74	3856986.11	2.14E-02	2.35E-02	1.54E-02	7.42E-06	2.24E-05	1.30E-05	1.30E-05	1.29E-05	5.87E-06	3.86E-06	0.00E+00	0.00E+00	2.39E-06	4.40E-07	3.06E-06	4.72E-07	2.99E-07	6.66E-06
180	487358.74	3856986.11	2.01E-02	2.19E-02	1.47E-02	6.95E-06	2.10E-05	1.21E-05	1.21E-05	1.20E-05	5.48E-06	3.67E-06	0.00E+00	0.00E+00	2.23E-06	4.12E-07	2.85E-06	4.40E-07	2.85E-07	6.23E-06
181	487208.74	3857036.11	2.54E-02	2.80E-02	1.76E-02	8.78E-06	2.65E-05	1.54E-05	1.54E-05	1.53E-05	7.00E-06	4.40E-06	0.00E+00	0.00E+00	2.82E-06	5.21E-07	3.64E-06	5.62E-07	3.41E-07	7.89E-06
182	487258.74	3857036.11	2.30E-02	2.52E-02	1.64E-02	7.96E-06	2.40E-05	1.39E-05	1.39E-05	1.38E-05	6.31E-06	4.09E-06	0.00E+00	0.00E+00	2.56E-06	4.72E-07	3.29E-06	5.07E-07	3.17E-07	7.14E-06
183	487308.74	3857036.11	2.12E-02	2.32E-02	1.54E-02	7.34E-06	2.22E-05	1.28E-05	1.28E-05	1.27E-05	5.80E-06	3.86E-06	0.00E+00	0.00E+00	2.36E-06	4.36E-07	3.02E-06	4.66E-07	2.99E-07	6.58E-06
184	487358.74	3857036.11	1.98E-02	2.15E-02	1.47E-02	6.85E-06	2.07E-05	1.20E-05	1.20E-05	1.18E-05	5.39E-06	3.67E-06	0.00E+00	0.00E+00	2.20E-06	4.07E-07	2.81E-06	4.33E-07	2.84E-07	6.14E-06
185	487427.14	3856878.23	1.80E-02	1.96E-02	1.34E-02	6.24E-06	1.88E-05	1.09E-05	1.09E-05	1.08E-05	4.91E-06	3.34E-06	0.00E+00	0.00E+00	2.01E-06	3.70E-07	2.56E-06	3.94E-07	2.59E-07	5.58E-06
186	487477.14	3856878.23	1.73E-02	1.88E-02	1.29E-02	5.98E-06	1.81E-05	1.05E-05	1.05E-05	1.03E-05	4.69E-06	3.24E-06	0.00E+00	0.00E+00	1.92E-06	3.55E-07	2.44E-06	3.77E-07	2.51E-07	5.35E-06
187	487527.14	3856878.23	1.66E-02	1.80E-02	1.25E-02	5.74E-06	1.73E-05	1.00E-05	1.00E-05	9.86E-06	4.50E-06	3.14E-06	0.00E+00	0.00E+00	1.85E-06	3.41E-07	2.34E-06	3.61E-07	2.43E-07	5.13E-06
188	487427.14	3856928.23	1.84E-02	2.00E-02	1.37E-02	6.37E-06	1.92E-05	1.11E-05	1.11E-05	1.10E-05	5.01E-06	3.42E-06	0.00E+00	0.00E+00	2.05E-06	3.78E-07	2.61E-06	4.03E-07	2.65E-07	5.71E-06
189	487477.14	3856928.23	1.76E-02	1.91E-02	1.32E-02	6.08E-06	1.84E-05	1.06E-05	1.06E-05	1.05E-05	4.77E-06	3.30E-06	0.00E+00	0.00E+00	1.95E-06	3.61E-07	2.48E-06	3.83E-07	2.55E-07	5.44E-06
190	487527.14	3856928.23	1.68E-02	1.82E-02	1.28E-02	5.82E-06	1.76E-05	1.02E-05	1.02E-05	9.99E-06	4.56E-06	3.19E-06	0.00E+00	0.00E+00	1.87E-06	3.45E-07	2.37E-06	3.66E-07	2.47E-07	5.20E-06
191	487577.14	3856928.23	1.61E-02	1.75E-02	1.24E-02	5.59E-06	1.69E-05	9.77E-06	9.77E-06	9.57E-06	4.37E-06	3.10E-06	0.00E+00	0.00E+00	1.80E-06	3.32E-07	2.27E-06	3.51E-07	2.40E-07	4.99E-06
192	487627.14	3856928.23	1.55E-02	1.68E-02	1.20E-02	5.38E-06	1.62E-05	9.40E-06	9.40E-06	9.19E-06	4.19E-06	3.01E-06	0.00E+00	0.00E+00	1.73E-06	3.19E-07	2.18E-06	3.37E-07	2.33E-07	4.80E-06
193	487677.14	3856928.23	1.50E-02	1.62E-02	1.17E-02	5.20E-06	1.57E-05	9.08E-06	9.08E-06	8.87E-06	4.05E-06	2.94E-06	0.00E+00	0.00E+00	1.67E-06	3.08E-07	2.11E-06	3.25E-07	2.27E-07	4.64E-06
194	487727.14	3856928.23	1.45E-02	1.56E-02	1.15E-02	5.03E-06	1.52E-05	8.80E-06	8.80E-06	8.57E-06	3.91E-06	2.87E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	2.04E-06	3.14E-07	2.22E-07	4.49E-06
195	487777.14	3856928.23	1.41E-02	1.51E-02	1.12E-02	4.88E-06	1.47E-05	8.53E-06	8.53E-06	8.29E-06	3.78E-06	2.80E-06	0.00E+00	0.00E+00	1.57E-06	2.89E-07	1.97E-06	3.04E-07	2.17E-07	4.35E-06
196	487427.14	3856978.23	1.86E-02	2.02E-02	1.38E-02	6.42E-06	1.94E-05	1.12E-05	1.12E-05	1.11E-05	5.05E-06	3.46E-06	0.00E+00	0.00E+00	2.07E-06	3.81E-07	2.63E-06	4.05E-07	2.68E-07	5.75E-06
197	487477.14	3856978.23	1.76E-02	1.91E-02	1.33E-02	6.11E-06	1.84E-05	1.07E-05	1.07E-05	1.05E-05	4.79E-06	3.34E-06	0.00E+00	0.00E+00	1.96E-06	3.62E-07	2.49E-06	3.84E-07	2.58E-07	5.46E-06
198	487527.14	3856978.23	1.68E-02	1.82E-02	1.29E-02	5.83E-06	1.76E-05	1.02E-05	1.02E-05	1.00E-05	4.56E-06	3.22E-06	0.00E+00	0.00E+00	1.88E-06	3.46E-07	2.37E-06	3.66E-07	2.50E-07	5.21E-06
199	487577.14	3856978.23	1.62E-02	1.74E-02	1.25E-02	5.59E-06	1.69E-05	9.77E-06	9.77E-06	9.56E-06	4.36E-06	3.13E-06	0.00E+00	0.00E+00	1.80E-06	3.32E-07	2.27E-06	3.50E-07	2.42E-07	4.99E-06
200	487627.14	3856978.23	1.55E-02	1.67E-02	1.21E-02	5.37E-06	1.62E-05	9.39E-06	9.39E-06	9.17E-06	4.18E-06	3.03E-06	0.00E+00	0.00E+00	1.73E-06	3.19E-07	2.18E-06	3.36E-07	2.35E-07	4.80E-06
201	487677.14	3856978.23	1.50E-02	1.61E-02	1.18E-02	5.19E-06	1.57E-05	9.07E-06	9.07E-06	8.84E-06	4.03E-06	2.96E-06	0.00E+00	0.00E+00	1.67E-06	3.08E-07	2.10E-06	3.24E-07	2.29E-07	4.63E-06
202	487727.14	3856978.23	1.45E-02	1.55E-02	1.15E-02	5.00E-06	1.51E-05	8.75E-06	8.75E-06	8.51E-06	3.88E-06	2.87E-06	0.00E+00	0.00E+00	1.61E-06	2.97E-07	2.02E-06	3.12E-07	2.22E-07	4.46E-06
203	487777.14	3856978.23	1.41E-02	1.51E-02	1.13E-02	4.87E-06	1.47E-05	8.52E-06	8.52E-06	8.27E-06	3.77E-06	2.83E-06	0.00E+00	0.00E+00	1.57E-06	2.89E-07	1.96E-06	3.03E-07	2.19E-07	4.34E-06

204	487427.14	3857028.23	1.83E-02	1.99E-02	1.38E-02	6.35E-06	1.92E-05	1.11E-05	1.11E-05	1.09E-05	4.98E-06	3.46E-06	0.00E+00	0.00E+00	2.04E-06	3.77E-07	2.59E-06	4.00E-07	2.68E-07	5.68E-06
205	487477.14	3857028.23	1.74E-02	1.88E-02	1.33E-02	6.03E-06	1.82E-05	1.05E-05	1.05E-05	1.03E-05	4.72E-06	3.34E-06	0.00E+00	0.00E+00	1.94E-06	3.58E-07	2.46E-06	3.79E-07	2.58E-07	5.39E-06
206	487527.14	3857028.23	1.66E-02	1.79E-02	1.29E-02	5.76E-06	1.74E-05	1.01E-05	1.01E-05	9.85E-06	4.49E-06	3.22E-06	0.00E+00	0.00E+00	1.85E-06	3.42E-07	2.34E-06	3.61E-07	2.50E-07	5.14E-06
207	487577.14	3857028.23	1.60E-02	1.72E-02	1.25E-02	5.52E-06	1.67E-05	9.66E-06	9.66E-06	9.42E-06	4.30E-06	3.13E-06	0.00E+00	0.00E+00	1.78E-06	3.28E-07	2.24E-06	3.45E-07	2.42E-07	4.93E-06
208	487627.14	3857028.23	1.53E-02	1.65E-02	1.21E-02	5.31E-06	1.60E-05	9.28E-06	9.28E-06	9.04E-06	4.13E-06	3.03E-06	0.00E+00	0.00E+00	1.71E-06	3.15E-07	2.15E-06	3.31E-07	2.35E-07	4.74E-06
209	487677.14	3857028.23	1.48E-02	1.59E-02	1.18E-02	5.13E-06	1.55E-05	8.96E-06	8.96E-06	8.71E-06	3.98E-06	2.96E-06	0.00E+00	0.00E+00	1.65E-06	3.04E-07	2.07E-06	3.19E-07	2.29E-07	4.57E-06
210	487727.14	3857028.23	1.44E-02	1.54E-02	1.16E-02	4.97E-06	1.50E-05	8.69E-06	8.69E-06	8.43E-06	3.85E-06	2.89E-06	0.00E+00	0.00E+00	1.60E-06	2.95E-07	2.00E-06	3.09E-07	2.24E-07	4.43E-06
211	487777.14	3857028.23	1.39E-02	1.49E-02	1.13E-02	4.83E-06	1.46E-05	8.44E-06	8.44E-06	8.17E-06	3.73E-06	2.83E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.94E-06	2.99E-07	2.19E-07	4.30E-06
212	487427.14	3857078.23	1.77E-02	1.92E-02	1.36E-02	6.14E-06	1.85E-05	1.07E-05	1.07E-05	1.05E-05	4.80E-06	3.41E-06	0.00E+00	0.00E+00	1.97E-06	3.64E-07	2.50E-06	3.85E-07	2.64E-07	5.49E-06
213	487477.14	3857078.23	1.69E-02	1.82E-02	1.32E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.99E-06	4.56E-06	3.30E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.37E-06	3.66E-07	2.55E-07	5.23E-06
214	487527.14	3857078.23	1.62E-02	1.74E-02	1.28E-02	5.61E-06	1.69E-05	9.80E-06	9.80E-06	9.55E-06	4.36E-06	3.19E-06	0.00E+00	0.00E+00	1.80E-06	3.33E-07	2.27E-06	3.50E-07	2.47E-07	5.00E-06
215	487577.14	3857078.23	1.56E-02	1.67E-02	1.24E-02	5.39E-06	1.63E-05	9.42E-06	9.42E-06	9.16E-06	4.18E-06	3.10E-06	0.00E+00	0.00E+00	1.73E-06	3.20E-07	2.18E-06	3.36E-07	2.40E-07	4.81E-06
216	487627.14	3857078.23	1.50E-02	1.61E-02	1.21E-02	5.20E-06	1.57E-05	9.09E-06	9.09E-06	8.82E-06	4.02E-06	3.02E-06	0.00E+00	0.00E+00	1.67E-06	3.08E-07	2.10E-06	3.23E-07	2.34E-07	4.63E-06
217	487677.14	3857078.23	1.45E-02	1.55E-02	1.18E-02	5.03E-06	1.52E-05	8.80E-06	8.80E-06	8.52E-06	3.89E-06	2.95E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	2.02E-06	3.12E-07	2.28E-07	4.48E-06
218	487727.14	3857078.23	1.41E-02	1.51E-02	1.15E-02	4.89E-06	1.48E-05	8.54E-06	8.54E-06	8.26E-06	3.77E-06	2.89E-06	0.00E+00	0.00E+00	1.57E-06	2.90E-07	1.96E-06	3.03E-07	2.23E-07	4.35E-06
219	487777.14	3857078.23	1.37E-02	1.46E-02	1.13E-02	4.75E-06	1.43E-05	8.30E-06	8.30E-06	8.01E-06	3.66E-06	2.82E-06	0.00E+00	0.00E+00	1.53E-06	2.82E-07	1.90E-06	2.94E-07	2.19E-07	4.22E-06
220	487427.14	3857128.23	1.69E-02	1.81E-02	1.33E-02	5.84E-06	1.76E-05	1.02E-05	1.02E-05	9.94E-06	4.54E-06	3.33E-06	0.00E+00	0.00E+00	1.88E-06	3.46E-07	2.36E-06	3.64E-07	2.58E-07	5.21E-06
221	487477.14	3857128.23	1.62E-02	1.74E-02	1.29E-02	5.60E-06	1.69E-05	9.79E-06	9.79E-06	9.52E-06	4.34E-06	3.23E-06	0.00E+00	0.00E+00	1.80E-06	3.32E-07	2.26E-06	3.49E-07	2.50E-07	4.99E-06
222	487527.14	3857128.23	1.56E-02	1.67E-02	1.25E-02	5.39E-06	1.63E-05	9.42E-06	9.42E-06	9.14E-06	4.17E-06	3.14E-06	0.00E+00	0.00E+00	1.73E-06	3.20E-07	2.17E-06	3.35E-07	2.43E-07	4.80E-06
223	487577.14	3857128.23	1.51E-02	1.61E-02	1.22E-02	5.21E-06	1.57E-05	9.11E-06	9.11E-06	8.82E-06	4.02E-06	3.06E-06	0.00E+00	0.00E+00	1.68E-06	3.09E-07	2.10E-06	3.23E-07	2.37E-07	4.64E-06
224	487627.14	3857128.23	1.46E-02	1.56E-02	1.19E-02	5.05E-06	1.52E-05	8.83E-06	8.83E-06	8.53E-06	3.89E-06	2.99E-06	0.00E+00	0.00E+00	1.62E-06	3.00E-07	2.03E-06	3.13E-07	2.31E-07	4.49E-06
225	487677.14	3857128.23	1.42E-02	1.51E-02	1.17E-02	4.90E-06	1.48E-05	8.56E-06	8.56E-06	8.26E-06	3.77E-06	2.92E-06	0.00E+00	0.00E+00	1.58E-06	2.91E-07	1.96E-06	3.03E-07	2.26E-07	4.36E-06
226	487727.14	3857128.23	1.38E-02	1.47E-02	1.15E-02	4.78E-06	1.44E-05	8.35E-06	8.35E-06	8.04E-06	3.67E-06	2.87E-06	0.00E+00	0.00E+00	1.54E-06	2.83E-07	1.91E-06	2.95E-07	2.22E-07	4.25E-06
227	487777.14	3857128.23	1.34E-02	1.43E-02	1.12E-02	4.65E-06	1.41E-05	8.13E-06	8.13E-06	7.83E-06	3.57E-06	2.81E-06	0.00E+00	0.00E+00	1.50E-06	2.76E-07	1.86E-06	2.87E-07	2.18E-07	4.14E-06
228	488049.44	3856539.39	1.09E-02	1.17E-02	8.73E-03	3.77E-06	1.14E-05	6.60E-06	6.60E-06	6.41E-06	2.92E-06	2.18E-06	0.00E+00	0.00E+00	1.21E-06	2.24E-07	1.52E-06	2.35E-07	1.69E-07	3.36E-06
229	488099.44	3856539.39	1.07E-02	1.14E-02	8.57E-03	3.69E-06	1.12E-05	6.46E-06	6.46E-06	6.27E-06	2.86E-06	2.15E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.49E-06	2.30E-07	1.66E-07	3.29E-06
230	488149.44	3856539.39	1.05E-02	1.12E-02	8.44E-03	3.63E-06	1.09E-05	6.34E-06	6.34E-06	6.15E-06	2.80E-06	2.11E-06	0.00E+00	0.00E+00	1.17E-06	2.15E-07	1.46E-06	2.25E-07	1.64E-07	3.23E-06
231	488049.44	3856589.39	1.12E-02	1.20E-02	8.96E-03	3.87E-06	1.17E-05	6.76E-06	6.76E-06	6.56E-06	2.99E-06	2.24E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.56E-06	2.40E-07	1.74E-07	3.45E-06
232	488099.44	3856589.39	1.09E-02	1.17E-02	8.80E-03	3.78E-06	1.14E-05	6.61E-06	6.61E-06	6.42E-06	2.93E-06	2.20E-06	0.00E+00	0.00E+00	1.22E-06	2.24E-07	1.52E-06	2.35E-07	1.70E-07	3.37E-06
233	488149.44	3856589.39	1.07E-02	1.15E-02	8.65E-03	3.71E-06	1.12E-05	6.48E-06	6.48E-06	6.28E-06	2.87E-06	2.16E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.49E-06	2.30E-07	1.68E-07	3.30E-06
234	488199.44	3856589.39	1.05E-02	1.12E-02	8.49E-03	3.63E-06	1.10E-05	6.34E-06	6.34E-06	6.15E-06	2.80E-06	2.13E-06	0.00E+00	0.00E+00	1.17E-06	2.15E-07	1.46E-06	2.25E-07	1.65E-07	3.23E-06
235	488249.44	3856589.39	1.03E-02	1.10E-02	8.41E-03	3.58E-06	1.08E-05	6.25E-06	6.25E-06	6.05E-06	2.76E-06	2.10E-06	0.00E+00	0.00E+00	1.15E-06	2.12E-07	1.44E-06	2.22E-07	1.63E-07	3.18E-06
236	488049.44	3856639.39	1.14E-02	1.22E-02	9.17E-03	3.95E-06	1.19E-05	6.90E-06	6.90E-06	6.70E-06	3.06E-06	2.29E-06	0.00E+00	0.00E+00	1.27E-06	2.34E-07	1.59E-06	2.45E-07	1.78E-07	3.52E-06
237	488099.44	3856639.39	1.12E-02	1.19E-02	9.00E-03	3.86E-06	1.17E-05	6.75E-06	6.75E-06	6.55E-06	2.99E-06	2.25E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.56E-06	2.40E-07	1.74E-07	3.44E-06
238	488149.44	3856639.39	1.09E-02	1.17E-02	8.84E-03	3.78E-06	1.14E-05	6.61E-06	6.61E-06	6.40E-06	2.92E-06	2.21E-06	0.00E+00	0.00E+00	1.22E-06	2.24E-07	1.52E-06	2.35E-07	1.71E-07	3.37E-06
239	488199.44	3856639.39	1.07E-02	1.14E-02	8.71E-03	3.71E-06	1.12E-05	6.48E-06	6.48E-06	6.28E-06	2.86E-06	2.18E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.49E-06	2.30E-07	1.69E-07	3.30E-06
240	488249.44	3856639.39	1.05E-02	1.12E-02	8.57E-03	3.64E-06	1.10E-05	6.36E-06	6.36E-06	6.15E-06	2.81E-06	2.15E-06	0.00E+00	0.00E+00	1.17E-06	2.16E-07	1.46E-06	2.25E-07	1.66E-07	3.24E-06
241	488299.44	3856639.39	1.03E-02	1.10E-02	8.45E-03	3.57E-06	1.08E-05	6.24E-06	6.24E-06	6.03E-06	2.75E-06	2.11E-06	0.00E+00	0.00E+00	1.15E-06	2.12E-07	1.43E-06	2.21E-07	1.64E-07	3.18E-06
242	488349.44	3856639.39	1.01E-02	1.08E-02	8.31E-03	3.50E-06	1.06E-05	6.12E-06	6.12E-06	5.91E-06	2.70E-06	2.08E-06	0.00E+00	0.00E+00	1.13E-06	2.08E-07	1.40E-06	2.17E-07	1.61E-07	3.12E-06
243	488399.44	3856639.39	9.96E-03	1.06E-02	8.22E-03	3.45E-06	1.04E-05	6.03E-06	6.03E-06	5.81E-06	2.65E-06	2.06E-06	0.00E+00	0.00E+00	1.11E-06	2.05E-07	1.38E-06	2.13E-07	1.59E-07	3.07E-06
244	488099.44	3856689.39	1.14E-02	1.22E-02	9.20E-03	3.94E-06	1.19E-05	6.88E-06	6.88E-06	6.67E-06	3.04E-06	2.30E-06	0.00E+00	0.00E+00	1.27E-06	2.34E-07	1.58E-06	2.44E-07	1.78E-07	3.51E-06
245	488149.44	3856689.39	1.11E-02	1.19E-02	9.03E-03	3.85E-06	1.16E-05	6.73E-06	6.73E-06	6.52E-06	2.97E-06	2.26E-06	0.00E+00	0.00E+00	1.24E-06	2.28E-07	1.55E-06	2.39E-07	1.75E-07	3.43E-06
246	488199.44	3856689.39	1.09E-02	1.16E-02	8.89E-03	3.77E-06	1.14E-05	6.60E-06	6.60E-06	6.38E-06	2.91E-06	2.22E-06	0.00E+00	0.00E+00	1.21E-06	2.24E-07	1.52E-06	2.34E-07	1.72E-07	3.36E-06
247	488249.44	3856689.39	1.07E-02	1.14E-02	8.73E-03	3.69E-06	1.12E-05	6.46E-06	6.46E-06	6.24E-06	2.85E-06	2.19E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.48E-06	2.29E-07	1.69E-07	3.29E-06
248	488299.44	3856689.39	1.05E-02	1.12E-02	8.62E-03	3.63E-06	1.10E-05	6.34E-06	6.34E-06	6.13E-06	2.80E-06	2.16E-06	0.00E+00	0.00E+00	1.17E-06	2.15E-07	1.46E-06	2.25E-07	1.67E-07	3.23E-06
249	488349.44	3856689.39	1.03E-02	1.09E-02	8.48E-03	3.56E-06	1.07E-05	6.22E-06	6.22E-06	6.00E-06	2.74E-06	2.12E-06	0.00E+00	0.00E+00	1.14E-06	2.11E-07	1.43E-06	2.20E-07	1.64E-07	3.17E-06
250	488399.44	3856689.39	1.01E-02	1.07E-02	8.32E-03	3.48E-06	1.05E-05	6.09E-06	6.09E-06	5.87E-06	2.68E-06	2.08E-06	0.00E+00	0.00E+00	1.12E-06	2.07E-07	1.39E-06	2.15E-07	1.61E-07	3.10E-06
251	488099.44	3856739.39	1.16E-02	1.24E-02	9.39E-03	4.00E-06	1.21E-05	7.00E-06	7.00E-06	6.78E-06	3.09E-06	2.35E-06	0.00E+00	0.00E+00	1.29E-06	2.38E-07	1.61E-06	2.48E-07	1.82E-07	3.57E-06
252	488149.44	3856739.39	1.13E-02	1.21E-02	9.20E-03	3.91E-06	1.18E-05	6.83E-06	6.83E-06	6.61E-06	3.02E-06	2.30E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.57E-06	2.42E-07	1.78E-07	3.48E-06
253	488199.44	3856739.39	1.11E-02	1.18E-02	9.07E-03	3.83E-06	1.16E-05	6.70E-06	6.70E-06	6.48E-06	2.96E-06	2.27E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.54E-06	2.37E-07	1.76E-07	3.41E-06
254	488249.44	3856739.39	1.08E-02	1.15E-02	8.90E-03	3.75E-06	1.13E-05	6.56E-06	6.56E-06	6.33E-06	2.89E-06	2.23E-06	0.00E+00	0.00E+00	1.21E-06	2.23E-07	1.50E-06	2.32E-07	1.73E-07	3.34E-06
255	488299.44	3856739.39	1.06E-02	1.13E-02	8.72E-03	3.66E-06	1.11E-05	6.40E-06	6.40E-06	6.18E-06	2.82E-06	2.18E-06	0.00E+00	0.00E+00	1.18E-06	2.17E-07	1.47E-06	2.26E-07	1.69E-07	3.26E-06
256	488349.44	3856739.39	1.04E-02	1.11E-02	8.63E-03	3.61E-06	1.09E-05	6.30E-06	6.30E-06	6.08E-06	2.77E-06	2.16E-06	0.00E+00	0.00E+00	1.16E-06	2.14E-07	1.44E-06	2.23E-07	1.67E-07	3.21E-06
257	488399.44	3856739.39	1.03E-02	1.09E-02	8.54E-03	3.55E-06	1.07E-05	6.20E-06	6.20E-06	5.98E-06	2.73E-06	2.14E-06	0.00E+00	0.00E+00	1.14E-06	2.11E-07	1.42E-06	2.19E-07	1.65E-07	3.16E-06
258	487999.44	3856789.39	1.23E-02	1.31E-02	9.88E-03	4.24E-06	1.28E-05	7.41E-06	7.41E-06	7.19E-06	3.28E-06	2.47E-06	0.00E+00	0.00E+00	1.36E-06	2.52E-07	1.71E-06	2.63E-07	1.91E-07	3.78E-06
259	488049.44	3856789.39	1.20E-02	1.28E-02	9.69E-03	4.14E-06	1.25E-05	7.24E-06	7.24E-06	7.01E-06	3.20E-06	2.43E-06	0.00E+00	0.00E+00	1.33E-06	2.46E-07	1.67E-06	2.57E-07	1.88E-07	3.69E-06
260	488099.44	3856789.39	1.17E-02	1.25E-02	9.54E-03	4.05E-06	1.22E-05	7.08E-06	7.08E-06	6.85E-06	3.13E-06	2.39E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.63E-06	2.51E-07	1.85E-07	3.61E-06
261	488149.44	3856789.39	1.14E-02	1.22E-02	9.36E-03	3.96E-06	1.20E-05	6.92E-06	6.92E-06	6.69E-06	3.05E-06	2.34E-06	0.00E+00	0.00E+00	1.27E-06	2.35E-07	1.59E-06	2.45E-07	1.81E-07	3.52E-06
262	488199.44	3856789.39	1.12E-02	1.19E-02	9.21E-03	3.88E-06	1.17E-05	6.78E-06	6.78E-06	6.54E-06	2.99E-06	2.30E-06	0.00E+00	0.00E+00	1.25E-06	2.30E-07	1.55E-06	2.40E-07	1.78E-07	3.45E-06
263	488249.44	3856789.39	1.10E-02	1.17E-02	9.05E-03	3.79E-06	1.15E-05	6.63E-06	6.63E-06	6.40E-06	2.92E-06	2.26E-06	0.00E+00	0.00E+00	1.22E-06	2.25E-07	1.52E-06	2.34E-07	1.75E-07	3.37E-06
264	488299.44	3856789.39	1.07E-02	1.14E-02	8.87E-03	3.71E-06	1.12E-05	6.48E-06	6.48E-06	6.25E-06	2.85E-06	2.22E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.48E-06	2.29E-07	1.72E-07	3.30E-06
265	488349.44	3856789.39	1.05E-02	1.12E-02	8.78E-03	3.65E-06	1.10E-05	6.38E-06	6.38E-06	6.14E-06	2.80E-06	2.20E-06	0.00E+00	0.00E+00	1.17E-06	2.16E-07	1.46E-06	2.25E-07	1.70E-07	3.24E-06
266	488399.44	3856789.39	1.04E-02	1.10E-02	8.67E-03	3.59E-06	1.08E-05	6.27E-06	6.27E-06	6.03E-06	2.75E-06	2.17E-06	0.00E+00	0.00E+00	1.15E-06	2.13E-07	1.43E-06	2.21E-07	1.68E-07	3.19E-06
267	487949.44	3856839.39	1.27E-02	1.36E-02	1.02E-02	4.39E-06	1.33E-05	7.68E-06	7.68E-06	7.45E-06	3.40E-06	2.56E-06	0.00E+00	0.00E+00	1.41E-06	2.61E-07	1.77E-06	2.73E-07	1.98E-07	3.92E-06
268	487999.44	3856839.39	1.24E-02	1.32E-02	1.00E-02	4.28E-06	1.29E-05	7.49E-06	7.49E-06	7.26E-06	3.31E-06	2.51E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.72E-06	2.66E-07	1.94E-07	3.82E-06
269	488049.44	3856839.39	1.21E-02	1.29E-02	9.83E-03	4.18E-06	1.26E-05	7.31E-06	7.31E-06	7.07E-06	3.23E-06	2.46E-06	0.00E+00	0.00E+00	1.34E-06	2.48E-07	1.68E-06	2.59E-07	1.91E-07	3.72E-06
270	488099.44	3856839.39	1.18E-02	1.26E-02	9.66E-03	4.08E-06	1.23E-05	7.14E-06	7.14E-06	6.90E-06	3.15E-06	2.42E-06	0.00E+00	0.00E+00	1.31E-06	2.42E-07	1.64E-06	2.53E-07	1.87E-07	3.64E-06
271	488149.44	3856839.39	1.15E-02	1.23E-02	9.50E-03	4.00E-06	1.21E-05	6.98E-06	6.98E-06	6.74E-06	3.08E-06	2.38E-06	0.00E+00	0.00E+00	1.28E-06	2.37E-07	1.60E-06	2.47E-07	1.84E-07	3.56E-06
272	488199.44	3856839.39	1.13E-02	1.20E-02	9.34E-03	3.91E-06	1.18E-05	6.84E-06	6.84E-06	6.59E-06	3.01E-06	2.34E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.57E-06	2.42E-07	1.81E-07	3.48E-06
273	487949.44	3856889.39	1.28E-02	1.36E-02	1.03E-02	4.42E-06	1.33E-05	7.72E-06	7.72E-06	7.48E-06	3.41E-06	2.59E-06	0.00E+00	0.00E+00	1.42E-06	2.62E-07	1.78E-06	2.74E-07	2.00E-07	3.94E-06
274	487999.44	3856889.39	1.25E-02	1.33E-02	1.02E-02	4.31E-06	1.30E-05	7.54E-06	7.54E-06	7.30E-06	3.33E-06	2.54E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.73E-06	2.67E-07	1.97E-07	3.84E-06
275	488049.44	3856889.39	1.21E-02	1.29E-02	9.94E-03	4.20E-06	1.27E-05	7.34E-06	7.34E-06	7.10E-06	3.24E-06	2.49E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.69E-06	2.60E-07	1.93E-07	3.74E-06
276	488099.44	3856889.39	1.19E-02	1.26E-02	9.78E-03	4.11E-06	1.24E-05	7.18E-06	7.18E-06	6.93E-06	3.16E-06	2.45E-06	0.00E+00	0.00E+00	1.32E-06	2.44E-07	1.65E-06	2.54E-07	1.89E-07	3.66E-06
277	488635.86	3857895.05	2.34E-02	2.36E-02	2.34E-02	8.10E-06	2.44E-05	1.42E-05	1.42E-05	1.29E-05	5.90E-06	5.86E-06	0.00E+00	0.00E+00	2.60E-06	4.80E-07	3.07E-06	4.73E-07	4.54E-07	7.08E-06
278	489137.64	3857804.15	1.45E-02	1.47E-02	1.44E-02	5.02E-06	1.52E-05	8.78E-06	8.78E-06	8.06E-06	3.68E-06	3.60E-06	0.00E+00	0.00E+00	1.61E-06	2.98E-07	1.91E-06	2.95E-07	2.79E-07	4.40E-06
279	488617.32	3857859.41	2.29E-02	2.31E-02	2.29E-02	7.93E-06	2.39E-05	1.39E-05	1.39E-05	1.27E-05	5.78E-06	5.73E-06	0.00E+00	0.00E+00	2.55E-06	4.70E-07	3.01E-06	4.64E-07	4.44E-07	6.94E-06
280	488667.32	3857859.41	2.17E-02	2.19E-02	2.17E-02	7.51E-06	2.27E-05	1.31E-05	1.31E-05	1.20E-05	5.47E-06	5.43E-06	0.00E+00	0.00E+00	2.42E-06	4.46E-07	2.85E-06	4.40E-07	4.20E-07	6.57E-06
281	488717.32	3857859.41	2.06E-02	2.08E-02	2.06E-02	7.13E-06	2.15E-05	1.25E-05	1.25E-05	1.14E-05	5.20E-06	5.15E-06	0.00E+00	0.00E+00	2.29E-06	4.23E-07	2.71E-06	4.17E-07	3.98E-07	6.24E-06
282	488767.32	3857859.41	1.96E-02	1.98E-02	1.96E-02	6.80E-06	2.05E-05	1.19E-05	1.19E-05	1.09E-05	4.96E-06	4.91E-06	0.00E+00	0.00E+00	2.19E-06	4.03E-07	2.58E-06	3.98E-07	3.80E-07	5.95E-06
283	488617.32	3857909.41	2.42E-02	2.44E-02	2.43E-02	8.38E-06	2.53E-05	1.47E-05	1.47E-05	1.34E-05	6.10E-06	6.07E-06	0.00E+00	0.00E+00	2.70E-06	4.97E-07	3.18E-06	4.90E-07	4.70E-07	7.33E-06
284	488667.32	3857909.41	2.27E-02	2.29E-02	2.27E-02	7.86E-06	2.37E-05	1.37E-05	1.37E-05	1.25E-05	5.72E-06	5.69E-06	0.00E+00	0.00E+00	2.53E-06	4.66E-07	2.98E-06	4.59E-07	4.41E-07	6.87E-06
285	488717.32	3857909.41	2.13E-02	2.15E-02	2.13E-02	7.37E-06	2.23E-05	1.29E-05	1.29E-05	1.18E-05	5.37E-06	5.34E-06	0.00E+00	0.00E+00	2.37E-06	4.37E-07	2.80E-06	4.31E-07	4.13E-07	6.45E-06
286	488767.32	3857909.41	2.02E-02	2.03E-02	2.02E-02	6.98E-06	2.11E-05	1.22E-05	1.22E-05	1.11E-05	5.08E-06	5.05E-06	0.00E+00	0.00E+00	2.24E-06	4.14E-07	2.65E-06	4.08E-07	3.91E-07	6.10E-06
287	488417.32	3857959.41	3.51E-02	3.52E-02	3.52E-02	1.21E-05	3.67E-05	2.12E-05	2.12E-05	1.93E-05	8.82E-06	8.81E-06	0.00E+00	0.00E+00	3.91E-06	7.21E-07	4.59E-06	7.08E-07	6.82E-07	1.06E-05
288	488467.32	3857959.41	3.16E-02	3.18E-02	3.17E-02	1.09E-05	3.30E-05	1.91E-05	1.91E-05	1.74E-05	7.95E-06	7.94E-06	0.00E+00	0.00E+00	3.52E-06	6.49E-07	4.14E-06	6.38E-07	6.15E-07	9.56E-06
289	488517.32	3857959.41	2.87E-02	2.89E-02	2.88E-02	9.93E-06	3.00E-05	1.74E-05	1.74E-05	1.58E-05	7.22E-06	7.21E-06	0.00E+00	0.00E+00	3.19E-06	5.89E-07	3.76E-06	5.80E-07	5.58E-07	8.68E-06
290	488567.32	3857959.41	2.63E-02	2.64E-02	2.64E-02	9.10E-06	2.75E-05	1.59E-05	1.59E-05	1.45E-05	6.62E-06	6.61E-06	0.00E+00	0.00E+00	2.93E-06	5.40E-07	3.45E-06	5.31E-07	5.12E-07	7.96E-06
291	488617.32	3857959.41	2.43E-02	2.44E-02	2.44E-02	8.41E-06	2.54E-05	1.47E-05	1.47E-05	1.34E-05	6.12E-06	6.10E-06	0.00E+00	0.00E+00	2.70E-06	4.99E-07	3.18E-06	4.91E-07	4.73E-07	7.35E-06
292	488667.32	3857959.41	2.26E-02	2.28E-02	2.27E-02	7.83E-06	2.36E-05	1.37E-05	1.37E-05	1.25E-05	5.70E-06	5.68E-06	0.00E+00	0.00E+00	2.52E-06	4.64E-07	2.97E-06	4.57E-07	4.40E-07	6.84E-06
293	488717.32	3857959.41	2.12E-02	2.14E-02	2.13E-02	7.34E-06	2.22E-05	1.28E-05	1.28E-05	1.17E-05	5.35E-06	5.33E-06	0.00E+00	0.00E+00	2.36E-06	4.36E-07	2.78E-06	4.29E-07	4.13E-07	6.42E-06
294	488767.32	3857959.41	2.00E-02	2.02E-02	2.01E-02	6.93E-06	2.09E-05	1.21E-05	1.21E-05	1.11E-05	5.05E-06	5.03E-06	0.00E+00	0.00E+00	2.23E-06	4.11E-07	2.63E-06	4.06E-07	3.90E-07	6.07E-06
295	488417.32	3858009.41	3.27E-02	3.29E-02	3.29E-02	1.13E-05	3.42E-05	1.98E-05	1.98E-05	1.80E-05	8.23E-06	8.24E-06	0.00E+00	0.00E+00	3.64E-06	6.72E-07	4.28E-06	6.61E-07	6.38E-07	9.90E-06
296	488467.32	3858009.41	2.95E-02	2.96E-02	2.97E-02	1.02E-05	3.08E-05	1.78E-05	1.78E-05	1.63E-05	7.41E-06	7.43E-06	0.00E+00	0.00E+00	3.28E-06	6.06E-07	3.86E-06	5.95E-07	5.75E-07	8.92E-06
297	488517.32	3858009.41	2.69E-02	2.70E-02	2.70E-02	9.30E-06	2.81E-05	1.63E-05	1.63E-05	1.48E-05	6.76E-06	6.77E-06	0.00E+00	0.00E+00	2.99E-06	5.52E-07	3.52E-06	5.43E-07	5.24E-07	8.13E-06
298	488567.32	3858009.41	2.47E-02	2.49E-02	2.49E-02	8.57E-06	2.59E-05	1.50E-05	1.50E-05	1.37E-05	6.23E-06	6.24E-06	0.00E+00	0.00E+00	2.75E-06	5.08E-07	3.24E-06	5.00E-07	4.83E-07	7.49E-06
299	488617.32	3858009.41	2.30E-02	2.31E-02	2.32E-02	7.96E-06	2.40E-05	1.39E-05	1.39E-05	1.27E-05	5.79E-06	5.80E-06	0.00E+00	0.00E+00	2.56E-06	4.72E-07	3.02E-06	4.65E-07	4.49E-07	6.96E-06
300	488667.32	3858009.41	2.16E-02	2.17E-02	2.17E-02	7.46E-06	2.25E-05	1.30E-05	1.30E-05	1.19E-05	5.43E-06	5.43E-06	0.00E+00	0.00E+00	2.40E-06	4.43E-07	2.83E-06	4.36E-07	4.21E-07	6.53E-06
301	488717.32	3858009.41	2.03E-02	2.05E-02	2.05E-02	7.04E-06	2.13E-05	1.23E-05	1.23E-05	1.12E-05	5.13E-06	5.13E-06	0.00E+00	0.00E+00	2.26E-06	4.18E-07	2.67E-06	4.12E-07	3.97E-07	6.16E-06
302	488767.32	3858009.41	1.93E-02	1.95E-02	1.95E-02	6.69E-06	2.02E-05	1.17E-05	1.17E-05	1.07E-05	4.87E-06	4.87E-06	0.00E+00	0.00E+00	2.15E-06	3.97E-07	2.54E-06	3.91E-07	3.77E-07	5.85E-06
303	488417.32	3858059.41	2.71E-02	2.72E-02	2.73E-02	9.38E-06	2.83E-05	1.64E-05	1.64E-05	1.49E-05	6.81E-06	6.84E-06	0.00E+00	0.00E+00	3.02E-06	5.56E-07	3.55E-06	5.47E-07	5.30E-07	8.20E-06
304	488467.32	3858059.41	2.52E-02	2.53E-02	2.55E-02	8.73E-06	2.64E-05	1.53E-05	1.53E-05	1.39E-05	6.34E-06	6.37E-06	0.00E+00	0.00E+00	2.81E-06	5.18E-07	3.30E-06	5.09E-07	4.93E-07	7.63E-06
305	488517.32	3858059.41	2.36E-02	2.37E-02	2.38E-02	8.17E-06	2.47E-05	1.43E-05	1.43E-05	1.30E-05	5.94E-06	5.96E-06	0.00E+00	0.00E+00	2.63E-06	4.84E-07	3.09E-06	4.77E-07	4.62E-07	7.14E-06
306	488567.32	3858059.41	2.22E-02	2.23E-02	2.24E-02	7.69E-06	2.32E-05	1.34E-05	1.34E-05	1.23E-05	5.59E-06	5.61E-06	0.00E+00	0.00E+00	2.47E-06	4.56E-07	2.91E-06	4.49E-07	4.35E-07	6.72E-06
307	488617.32	3858059.41	2.10E-02	2.11E-02	2.12E-02	7.27E-06	2.20E-05	1.27E-05	1.27E-05	1.16E-05	5.29E-06	5.31E-06	0.00E+00	0.00E+00	2.34E-06	4.32E-07	2.76E-06	4.25E-07	4.11E-07	6.36E-06
308	488667.32	3858059.41	2.00E-02	2.01E-02	2.02E-02	6.92E-06	2.09E-05	1.21E-05	1.21E-05	1.10E-05	5.04E-06	5.05E-06	0.00E+00	0.00E+00	2.23E-06	4.11E-07	2.62E-06	4.04E-07	3.91E-07	6.05E-06

309	488417.32	3858109.41	2.23E-02	2.24E-02	2.26E-02	7.71E-06	2.33E-05	1.35E-05	1.35E-05	1.23E-05	5.60E-06	5.65E-06	0.00E+00	0.00E+00	2.48E-06	4.57E-07	2.92E-06	4.50E-07	4.37E-07	6.74E-06
310	488467.32	3858109.41	2.15E-02	2.16E-02	2.18E-02	7.43E-06	2.24E-05	1.30E-05	1.30E-05	1.18E-05	5.40E-06	5.44E-06	0.00E+00	0.00E+00	2.39E-06	4.41E-07	2.81E-06	4.34E-07	4.22E-07	6.50E-06
311	488517.32	3858109.41	2.06E-02	2.08E-02	2.09E-02	7.15E-06	2.16E-05	1.25E-05	1.25E-05	1.14E-05	5.20E-06	5.24E-06	0.00E+00	0.00E+00	2.30E-06	4.24E-07	2.71E-06	4.17E-07	4.06E-07	6.25E-06
312	488567.32	3858109.41	1.99E-02	2.00E-02	2.01E-02	6.88E-06	2.08E-05	1.20E-05	1.20E-05	1.10E-05	5.01E-06	5.04E-06	0.00E+00	0.00E+00	2.21E-06	4.08E-07	2.61E-06	4.02E-07	3.90E-07	6.02E-06
313	488617.32	3858109.41	1.92E-02	1.93E-02	1.94E-02	6.63E-06	2.00E-05	1.16E-05	1.16E-05	1.06E-05	4.83E-06	4.86E-06	0.00E+00	0.00E+00	2.13E-06	3.93E-07	2.51E-06	3.87E-07	3.76E-07	5.80E-06
314	488667.32	3858109.41	1.85E-02	1.86E-02	1.87E-02	6.40E-06	1.93E-05	1.12E-05	1.12E-05	1.02E-05	4.66E-06	4.69E-06	0.00E+00	0.00E+00	2.06E-06	3.80E-07	2.43E-06	3.74E-07	3.63E-07	5.60E-06
315	488769.93	3858449.27	1.66E-02	1.67E-02	1.71E-02	5.73E-06	1.73E-05	1.00E-05	1.00E-05	9.13E-06	4.17E-06	4.28E-06	0.00E+00	0.00E+00	1.84E-06	3.40E-07	2.17E-06	3.35E-07	3.32E-07	5.02E-06
316	488819.93	3858449.27	1.63E-02	1.64E-02	1.69E-02	5.66E-06	1.71E-05	9.89E-06	9.89E-06	9.02E-06	4.11E-06	4.23E-06	0.00E+00	0.00E+00	1.82E-06	3.36E-07	2.14E-06	3.30E-07	3.27E-07	4.95E-06
317	488819.93	3858499.27	1.69E-02	1.70E-02	1.75E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.32E-06	4.25E-06	4.38E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.21E-06	3.42E-07	3.39E-07	5.12E-06
318	488869.93	3858499.27	1.67E-02	1.68E-02	1.73E-02	5.78E-06	1.74E-05	1.01E-05	1.01E-05	9.20E-06	4.20E-06	4.32E-06	0.00E+00	0.00E+00	1.86E-06	3.43E-07	2.19E-06	3.37E-07	3.35E-07	5.06E-06
319	488869.93	3858549.27	1.74E-02	1.75E-02	1.81E-02	6.04E-06	1.82E-05	1.06E-05	1.06E-05	9.61E-06	4.39E-06	4.53E-06	0.00E+00	0.00E+00	1.94E-06	3.58E-07	2.28E-06	3.52E-07	3.50E-07	5.29E-06
320	489438.17	3859571.48	2.49E-02	2.50E-02	2.61E-02	8.63E-06	2.61E-05	1.51E-05	1.51E-05	1.37E-05	6.25E-06	6.54E-06	0.00E+00	0.00E+00	2.78E-06	5.12E-07	3.26E-06	5.02E-07	5.06E-07	7.55E-06
321	489488.17	3859571.48	2.41E-02	2.42E-02	2.53E-02	8.36E-06	2.52E-05	1.46E-05	1.46E-05	1.33E-05	6.05E-06	6.33E-06	0.00E+00	0.00E+00	2.69E-06	4.96E-07	3.15E-06	4.86E-07	4.90E-07	7.31E-06
322	489538.17	3859571.48	2.34E-02	2.35E-02	2.45E-02	8.10E-06	2.45E-05	1.42E-05	1.42E-05	1.29E-05	5.87E-06	6.14E-06	0.00E+00	0.00E+00	2.61E-06	4.81E-07	3.06E-06	4.71E-07	4.75E-07	7.09E-06
323	489588.17	3859571.48	2.28E-02	2.28E-02	2.39E-02	7.88E-06	2.38E-05	1.38E-05	1.38E-05	1.25E-05	5.71E-06	5.97E-06	0.00E+00	0.00E+00	2.53E-06	4.68E-07	2.97E-06	4.59E-07	4.62E-07	6.90E-06
324	489438.17	3859621.48	2.44E-02	2.45E-02	2.56E-02	8.45E-06	2.55E-05	1.48E-05	1.48E-05	1.34E-05	6.12E-06	6.41E-06	0.00E+00	0.00E+00	2.72E-06	5.02E-07	3.19E-06	4.92E-07	4.96E-07	7.40E-06
325	489488.17	3859621.48	2.37E-02	2.38E-02	2.48E-02	8.21E-06	2.48E-05	1.43E-05	1.43E-05	1.30E-05	5.95E-06	6.22E-06	0.00E+00	0.00E+00	2.64E-06	4.87E-07	3.10E-06	4.77E-07	4.82E-07	7.18E-06
326	489538.17	3859621.48	2.30E-02	2.31E-02	2.41E-02	7.98E-06	2.41E-05	1.39E-05	1.39E-05	1.27E-05	5.78E-06	6.04E-06	0.00E+00	0.00E+00	2.56E-06	4.73E-07	3.01E-06	4.64E-07	4.68E-07	6.98E-06
327	489588.17	3859621.48	2.24E-02	2.24E-02	2.34E-02	7.74E-06	2.34E-05	1.35E-05	1.35E-05	1.23E-05	5.61E-06	5.86E-06	0.00E+00	0.00E+00	2.49E-06	4.59E-07	2.92E-06	4.50E-07	4.54E-07	6.77E-06
328	489238.17	3859671.48	2.70E-02	2.71E-02	2.83E-02	9.35E-06	2.82E-05	1.63E-05	1.63E-05	1.48E-05	6.77E-06	7.09E-06	0.00E+00	0.00E+00	3.01E-06	5.55E-07	3.53E-06	5.44E-07	5.49E-07	8.18E-06
329	489288.17	3859671.48	2.62E-02	2.63E-02	2.75E-02	9.07E-06	2.74E-05	1.59E-05	1.59E-05	1.44E-05	6.57E-06	6.88E-06	0.00E+00	0.00E+00	2.92E-06	5.38E-07	3.42E-06	5.28E-07	5.33E-07	7.94E-06
330	489338.17	3859671.48	2.54E-02	2.55E-02	2.67E-02	8.80E-06	2.66E-05	1.54E-05	1.54E-05	1.40E-05	6.37E-06	6.67E-06	0.00E+00	0.00E+00	2.83E-06	5.22E-07	3.32E-06	5.12E-07	5.16E-07	7.70E-06
331	489388.17	3859671.48	2.46E-02	2.47E-02	2.58E-02	8.52E-06	2.57E-05	1.49E-05	1.49E-05	1.35E-05	6.17E-06	6.46E-06	0.00E+00	0.00E+00	2.74E-06	5.06E-07	3.21E-06	4.96E-07	5.00E-07	7.46E-06
332	489438.17	3859671.48	2.40E-02	2.40E-02	2.51E-02	8.29E-06	2.50E-05	1.45E-05	1.45E-05	1.32E-05	6.01E-06	6.28E-06	0.00E+00	0.00E+00	2.67E-06	4.92E-07	3.13E-06	4.82E-07	4.87E-07	7.26E-06
333	489488.17	3859671.48	2.32E-02	2.33E-02	2.44E-02	8.05E-06	2.43E-05	1.41E-05	1.41E-05	1.28E-05	5.83E-06	6.10E-06	0.00E+00	0.00E+00	2.59E-06	4.77E-07	3.04E-06	4.68E-07	4.72E-07	7.04E-06
334	489538.17	3859671.48	2.26E-02	2.27E-02	2.37E-02	7.83E-06	2.36E-05	1.37E-05	1.37E-05	1.24E-05	5.67E-06	5.93E-06	0.00E+00	0.00E+00	2.52E-06	4.64E-07	2.95E-06	4.55E-07	4.59E-07	6.85E-06
335	489588.17	3859671.48	2.20E-02	2.20E-02	2.30E-02	7.61E-06	2.30E-05	1.33E-05	1.33E-05	1.21E-05	5.52E-06	5.77E-06	0.00E+00	0.00E+00	2.45E-06	4.52E-07	2.87E-06	4.43E-07	4.46E-07	6.66E-06
336	489238.17	3859721.48	2.65E-02	2.65E-02	2.78E-02	9.17E-06	2.77E-05	1.60E-05	1.60E-05	1.46E-05	6.64E-06	6.96E-06	0.00E+00	0.00E+00	2.95E-06	5.44E-07	3.46E-06	5.33E-07	5.39E-07	8.02E-06
337	489288.17	3859721.48	2.56E-02	2.56E-02	2.68E-02	8.85E-06	2.67E-05	1.55E-05	1.55E-05	1.40E-05	6.41E-06	6.71E-06	0.00E+00	0.00E+00	2.85E-06	5.25E-07	3.34E-06	5.15E-07	5.20E-07	7.74E-06
338	489338.17	3859721.48	2.49E-02	2.49E-02	2.61E-02	8.61E-06	2.60E-05	1.50E-05	1.50E-05	1.37E-05	6.23E-06	6.52E-06	0.00E+00	0.00E+00	2.77E-06	5.11E-07	3.25E-06	5.01E-07	5.05E-07	7.53E-06
339	489388.17	3859721.48	2.42E-02	2.42E-02	2.54E-02	8.38E-06	2.53E-05	1.46E-05	1.46E-05	1.33E-05	6.07E-06	6.35E-06	0.00E+00	0.00E+00	2.69E-06	4.97E-07	3.16E-06	4.87E-07	4.92E-07	7.33E-06
340	489438.17	3859721.48	2.36E-02	2.36E-02	2.47E-02	8.16E-06	2.46E-05	1.43E-05	1.43E-05	1.30E-05	5.91E-06	6.19E-06	0.00E+00	0.00E+00	2.62E-06	4.84E-07	3.08E-06	4.75E-07	4.79E-07	7.14E-06
341	489488.17	3859721.48	2.29E-02	2.29E-02	2.40E-02	7.93E-06	2.39E-05	1.39E-05	1.39E-05	1.26E-05	5.74E-06	6.01E-06	0.00E+00	0.00E+00	2.55E-06	4.70E-07	2.99E-06	4.61E-07	4.65E-07	6.94E-06
342	489538.17	3859721.48	2.23E-02	2.23E-02	2.33E-02	7.71E-06	2.33E-05	1.35E-05	1.35E-05	1.22E-05	5.59E-06	5.84E-06	0.00E+00	0.00E+00	2.48E-06	4.58E-07	2.91E-06	4.49E-07	4.52E-07	6.75E-06
343	489588.17	3859721.48	2.17E-02	2.17E-02	2.27E-02	7.51E-06	2.27E-05	1.31E-05	1.31E-05	1.19E-05	5.44E-06	5.69E-06	0.00E+00	0.00E+00	2.42E-06	4.46E-07	2.83E-06	4.37E-07	4.40E-07	6.57E-06
344	489238.17	3859771.48	2.61E-02	2.62E-02	2.74E-02	9.04E-06	2.73E-05	1.58E-05	1.58E-05	1.43E-05	6.55E-06	6.86E-06	0.00E+00	0.00E+00	2.91E-06	5.36E-07	3.41E-06	5.26E-07	5.31E-07	7.91E-06
345	489288.17	3859771.48	2.52E-02	2.53E-02	2.65E-02	8.74E-06	2.64E-05	1.53E-05	1.53E-05	1.39E-05	6.33E-06	6.63E-06	0.00E+00	0.00E+00	2.81E-06	5.18E-07	3.30E-06	5.08E-07	5.13E-07	7.64E-06
346	489338.17	3859771.48	2.46E-02	2.46E-02	2.58E-02	8.52E-06	2.57E-05	1.49E-05	1.49E-05	1.35E-05	6.17E-06	6.46E-06	0.00E+00	0.00E+00	2.74E-06	5.05E-07	3.21E-06	4.95E-07	5.00E-07	7.45E-06
347	489388.17	3859771.48	2.40E-02	2.40E-02	2.51E-02	8.29E-06	2.50E-05	1.45E-05	1.45E-05	1.32E-05	6.00E-06	6.29E-06	0.00E+00	0.00E+00	2.67E-06	4.92E-07	3.13E-06	4.82E-07	4.87E-07	7.25E-06
348	489438.17	3859771.48	2.34E-02	2.34E-02	2.45E-02	8.09E-06	2.44E-05	1.41E-05	1.41E-05	1.28E-05	5.86E-06	6.13E-06	0.00E+00	0.00E+00	2.60E-06	4.80E-07	3.05E-06	4.70E-07	4.75E-07	7.08E-06
349	489488.17	3859771.48	2.27E-02	2.27E-02	2.38E-02	7.85E-06	2.37E-05	1.37E-05	1.37E-05	1.25E-05	5.68E-06	5.95E-06	0.00E+00	0.00E+00	2.52E-06	4.66E-07	2.96E-06	4.56E-07	4.60E-07	6.87E-06
350	489538.17	3859771.48	2.20E-02	2.21E-02	2.31E-02	7.63E-06	2.30E-05	1.33E-05	1.33E-05	1.21E-05	5.52E-06	5.78E-06	0.00E+00	0.00E+00	2.45E-06	4.53E-07	2.88E-06	4.44E-07	4.47E-07	6.67E-06
351	489588.17	3859771.48	2.15E-02	2.15E-02	2.25E-02	7.44E-06	2.25E-05	1.30E-05	1.30E-05	1.18E-05	5.39E-06	5.64E-06	0.00E+00	0.00E+00	2.39E-06	4.42E-07	2.81E-06	4.33E-07	4.37E-07	6.51E-06
352	489238.17	3859821.48	2.61E-02	2.61E-02	2.74E-02	9.03E-06	2.73E-05	1.58E-05	1.58E-05	1.43E-05	6.54E-06	6.85E-06	0.00E+00	0.00E+00	2.90E-06	5.36E-07	3.40E-06	5.25E-07	5.30E-07	7.90E-06
353	489288.17	3859821.48	2.52E-02	2.52E-02	2.64E-02	8.73E-06	2.63E-05	1.53E-05	1.53E-05	1.38E-05	6.32E-06	6.62E-06	0.00E+00	0.00E+00	2.81E-06	5.18E-07	3.29E-06	5.07E-07	5.12E-07	7.63E-06
354	489338.17	3859821.48	2.45E-02	2.46E-02	2.57E-02	8.50E-06	2.57E-05	1.49E-05	1.49E-05	1.35E-05	6.15E-06	6.44E-06	0.00E+00	0.00E+00	2.73E-06	5.04E-07	3.20E-06	4.94E-07	4.99E-07	7.43E-06
355	489388.17	3859821.48	2.39E-02	2.39E-02	2.51E-02	8.27E-06	2.50E-05	1.45E-05	1.45E-05	1.31E-05	5.99E-06	6.27E-06	0.00E+00	0.00E+00	2.66E-06	4.91E-07	3.12E-06	4.81E-07	4.86E-07	7.24E-06
356	489438.17	3859821.48	2.32E-02	2.32E-02	2.43E-02	8.03E-06	2.43E-05	1.40E-05	1.40E-05	1.28E-05	5.82E-06	6.09E-06	0.00E+00	0.00E+00	2.58E-06	4.77E-07	3.03E-06	4.67E-07	4.72E-07	7.03E-06
357	489488.17	3859821.48	2.25E-02	2.26E-02	2.36E-02	7.81E-06	2.36E-05	1.36E-05	1.36E-05	1.24E-05	5.65E-06	5.92E-06	0.00E+00	0.00E+00	2.51E-06	4.63E-07	2.94E-06	4.54E-07	4.58E-07	6.83E-06
358	489538.17	3859821.48	2.19E-02	2.19E-02	2.30E-02	7.58E-06	2.29E-05	1.33E-05	1.33E-05	1.20E-05	5.49E-06	5.75E-06	0.00E+00	0.00E+00	2.44E-06	4.50E-07	2.86E-06	4.41E-07	4.45E-07	6.63E-06
359	489588.17	3859821.48	2.14E-02	2.14E-02	2.24E-02	7.40E-06	2.23E-05	1.29E-05	1.29E-05	1.17E-05	5.36E-06	5.61E-06	0.00E+00	0.00E+00	2.38E-06	4.39E-07	2.79E-06	4.30E-07	4.34E-07	6.47E-06
360	489238.17	3859871.48	2.64E-02	2.64E-02	2.77E-02	9.12E-06	2.75E-05	1.59E-05	1.59E-05	1.45E-05	6.61E-06	6.92E-06	0.00E+00	0.00E+00	2.93E-06	5.41E-07	3.44E-06	5.30E-07	5.36E-07	7.98E-06
361	489288.17	3859871.48	2.56E-02	2.56E-02	2.68E-02	8.86E-06	2.67E-05	1.55E-05	1.55E-05	1.41E-05	6.41E-06	6.72E-06	0.00E+00	0.00E+00	2.85E-06	5.25E-07	3.34E-06	5.15E-07	5.20E-07	7.75E-06
362	489338.17	3859871.48	2.47E-02	2.48E-02	2.59E-02	8.56E-06	2.58E-05	1.50E-05	1.50E-05	1.36E-05	6.20E-06	6.49E-06	0.00E+00	0.00E+00	2.75E-06	5.08E-07	3.23E-06	4.98E-07	5.03E-07	7.49E-06
363	489388.17	3859871.48	2.40E-02	2.40E-02	2.51E-02	8.30E-06	2.51E-05	1.45E-05	1.45E-05	1.32E-05	6.01E-06	6.29E-06	0.00E+00	0.00E+00	2.67E-06	4.92E-07	3.13E-06	4.83E-07	4.87E-07	7.26E-06
364	489438.17	3859871.48	2.32E-02	2.32E-02	2.43E-02	8.02E-06	2.42E-05	1.40E-05	1.40E-05	1.27E-05	5.81E-06	6.08E-06	0.00E+00	0.00E+00	2.58E-06	4.76E-07	3.02E-06	4.66E-07	4.71E-07	7.02E-06
365	489488.17	3859871.48	2.23E-02	2.24E-02	2.34E-02	7.74E-06	2.34E-05	1.35E-05	1.35E-05	1.23E-05	5.60E-06	5.86E-06	0.00E+00	0.00E+00	2.49E-06	4.59E-07	2.92E-06	4.50E-07	4.54E-07	6.77E-06
366	489538.17	3859871.48	2.18E-02	2.19E-02	2.29E-02	7.56E-06	2.28E-05	1.32E-05	1.32E-05	1.20E-05	5.47E-06	5.73E-06	0.00E+00	0.00E+00	2.43E-06	4.48E-07	2.85E-06	4.40E-07	4.44E-07	6.61E-06
367	489588.17	3859871.48	2.13E-02	2.13E-02	2.23E-02	7.36E-06	2.22E-05	1.29E-05	1.29E-05	1.17E-05	5.33E-06	5.58E-06	0.00E+00	0.00E+00	2.37E-06	4.37E-07	2.78E-06	4.28E-07	4.32E-07	6.44E-06
368	489238.17	3859921.48	2.69E-02	2.69E-02	2.82E-02	9.30E-06	2.81E-05	1.63E-05	1.63E-05	1.48E-05	6.74E-06	7.06E-06	0.00E+00	0.00E+00	2.99E-06	5.52E-07	3.51E-06	5.41E-07	5.47E-07	8.14E-06
369	489288.17	3859921.48	2.58E-02	2.58E-02	2.71E-02	8.93E-06	2.70E-05	1.56E-05	1.56E-05	1.42E-05	6.47E-06	6.78E-06	0.00E+00	0.00E+00	2.87E-06	5.30E-07	3.37E-06	5.19E-07	5.25E-07	7.81E-06
370	489338.17	3859921.48	2.50E-02	2.50E-02	2.62E-02	8.64E-06	2.61E-05	1.51E-05	1.51E-05	1.37E-05	6.26E-06	6.56E-06	0.00E+00	0.00E+00	2.78E-06	5.13E-07	3.26E-06	5.02E-07	5.08E-07	7.56E-06
371	489388.17	3859921.48	2.41E-02	2.41E-02	2.53E-02	8.34E-06	2.52E-05	1.46E-05	1.46E-05	1.32E-05	6.04E-06	6.32E-06	0.00E+00	0.00E+00	2.68E-06	4.95E-07	3.14E-06	4.85E-07	4.90E-07	7.29E-06
372	489438.17	3859921.48	2.31E-02	2.32E-02	2.42E-02	8.00E-06	2.42E-05	1.40E-05	1.40E-05	1.27E-05	5.80E-06	6.07E-06	0.00E+00	0.00E+00	2.57E-06	4.75E-07	3.02E-06	4.65E-07	4.70E-07	7.00E-06
373	489488.17	3859921.48	2.24E-02	2.24E-02	2.35E-02	7.75E-06	2.34E-05	1.35E-05	1.35E-05	1.23E-05	5.61E-06	5.88E-06	0.00E+00	0.00E+00	2.49E-06	4.60E-07	2.92E-06	4.51E-07	4.55E-07	6.78E-06
374	489538.17	3859921.48	2.18E-02	2.18E-02	2.29E-02	7.55E-06	2.28E-05	1.32E-05	1.32E-05	1.20E-05	5.47E-06	5.72E-06	0.00E+00	0.00E+00	2.43E-06	4.48E-07	2.85E-06	4.39E-07	4.43E-07	6.60E-06
375	489588.17	3859921.48	2.11E-02	2.11E-02	2.21E-02	7.30E-06	2.21E-05	1.28E-05	1.28E-05	1.16E-05	5.29E-06	5.53E-06	0.00E+00	0.00E+00	2.35E-06	4.33E-07	2.75E-06	4.25E-07	4.29E-07	6.39E-06
376	489238.17	3859971.48	2.74E-02	2.74E-02	2.88E-02	9.49E-06	2.86E-05	1.66E-05	1.66E-05	1.50E-05	6.87E-06	7.20E-06	0.00E+00	0.00E+00	3.05E-06	5.63E-07	3.58E-06	5.51E-07	5.58E-07	8.30E-06
377	489288.17	3859971.48	2.64E-02	2.64E-02	2.77E-02	9.12E-06	2.76E-05	1.59E-05	1.59E-05	1.45E-05	6.61E-06	6.93E-06	0.00E+00	0.00E+00	2.93E-06	5.41E-07	3.44E-06	5.30E-07	5.36E-07	7.98E-06
378	489338.17	3859971.48	2.53E-02	2.54E-02	2.66E-02	8.77E-06	2.65E-05	1.53E-05	1.53E-05	1.39E-05	6.35E-06	6.66E-06	0.00E+00	0.00E+00	2.82E-06	5.20E-07	3.31E-06	5.10E-07	5.15E-07	7.67E-06
379	489388.17	3859971.48	2.43E-02	2.43E-02	2.54E-02	8.40E-06	2.53E-05	1.47E-05	1.47E-05	1.33E-05	6.08E-06	6.37E-06	0.00E+00	0.00E+00	2.70E-06	4.98E-07	3.17E-06	4.88E-07	4.93E-07	7.34E-06
380	489438.17	3859971.48	2.31E-02	2.31E-02	2.42E-02	7.99E-06	2.41E-05	1.40E-05	1.40E-05	1.27E-05	5.78E-06	6.06E-06	0.00E+00	0.00E+00	2.57E-06	4.74E-07	3.01E-06	4.64E-07	4.69E-07	6.99E-06
381	489488.17	3859971.48	2.18E-02	2.18E-02	2.28E-02	7.53E-06	2.27E-05	1.32E-05	1.32E-05	1.20E-05	5.45E-06	5.71E-06	0.00E+00	0.00E+00	2.42E-06	4.47E-07	2.84E-06	4.38E-07	4.42E-07	6.59E-06
382	489538.17	3859971.48	2.08E-02	2.08E-02	2.18E-02	7.20E-06	2.17E-05	1.26E-05	1.26E-05	1.14E-05	5.21E-06	5.45E-06	0.00E+00	0.00E+00	2.31E-06	4.27E-07	2.71E-06	4.19E-07	4.22E-07	6.30E-06
383	489588.17	3859971.48	2.00E-02	2.00E-02	2.10E-02	6.93E-06	2.09E-05	1.21E-05	1.21E-05	1.10E-05	5.02E-06	5.25E-06	0.00E+00	0.00E+00	2.23E-06	4.11E-07	2.61E-06	4.03E-07	4.06E-07	6.06E-06
384	483577.7	3854071	1.26E-03	1.32E-03	1.10E-03	4.35E-07	1.31E-06	7.61E-07	7.61E-07	7.25E-07	3.31E-07	2.74E-07	0.00E+00	0.00E+00	1.40E-07	2.58E-08	1.72E-07	2.66E-08	2.12E-08	3.86E-07
385	483627.7	3854071	1.26E-03	1.33E-03	1.09E-03	4.36E-07	1.32E-06	7.62E-07	7.62E-07	7.28E-07	3.32E-07	2.72E-07	0.00E+00	0.00E+00	1.40E-07	2.59E-08	1.73E-07	2.67E-08	2.11E-08	3.87E-07
386	483677.7	3854071	1.25E-03	1.32E-03	1.07E-03	4.34E-07	1.31E-06	7.59E-07	7.59E-07	7.26E-07	3.31E-07	2.69E-07	0.00E+00	0.00E+00	1.40E-07	2.58E-08	1.73E-07	2.66E-08	2.08E-08	3.85E-07
387	483727.7	3854071	1.25E-03	1.32E-03	1.06E-03	4.31E-07	1.30E-06	7.54E-07	7.54E-07	7.22E-07	3.30E-07	2.65E-07	0.00E+00	0.00E+00	1.39E-07	2.56E-08	1.72E-07	2.65E-08	2.05E-08	3.83E-07
388	483777.7	3854071	1.22E-03	1.29E-03	1.03E-03	4.23E-07	1.28E-06	7.40E-07	7.40E-07	7.10E-07	3.24E-07	2.58E-07	0.00E+00	0.00E+00	1.36E-07	2.51E-08	1.69E-07	2.60E-08	2.00E-08	3.76E-07
389	483577.7	3854121	1.29E-03	1.35E-03	1.13E-03	4.46E-07	1.35E-06	7.80E-07	7.80E-07	7.43E-07	3.39E-07	2.82E-07	0.00E+00	0.00E+00	1.44E-07	2.65E-08	1.76E-07	2.72E-08	2.18E-08	3.96E-07
390	483627.7	3854121	1.28E-03	1.35E-03	1.11E-03	4.44E-07	1.34E-06	7.76E-07	7.76E-07	7.41E-07	3.38E-07	2.78E-07	0.00E+00	0.00E+00	1.43E-07	2.63E-08	1.76E-07	2.71E-08	2.15E-08	3.94E-07
391	483677.7	3854121	1.27E-03	1.34E-03	1.08E-03	4.39E-07	1.33E-06	7.67E-07	7.67E-07	7.34E-07	3.35E-07	2.71E-07	0.00E+00	0.00E+00	1.41E-07	2.60E-08	1.74E-07	2.69E-08	2.10E-08	3.89E-07
392	483727.7	3854121	1.25E-03	1.32E-03	1.06E-03	4.32E-07	1.31E-06	7.56E-07	7.56E-07	7.25E-07	3.31E-07	2.65E-07	0.00E+00	0.00E+00	1.39E-07	2.57E-08	1.72E-07	2.66E-08	2.05E-08	3.84E-07
393	483777.7	3854121	1.24E-03	1.32E-03	1.04E-03	4.31E-07	1.30E-06	7.53E-07	7.53E-07	7.23E-07	3.30E-07	2.61E-07	0.00E+00	0.00E+00	1.38E-07	2.56E-08	1.72E-07	2.65E-08	2.02E-08	3.83E-07
394	483577.7	3854171	1.30E-03	1.36E-03	1.13E-03	4.49E-07	1.36E-06	7.85E-07	7.85E-07	7.48E-07	3.41E-07	2.84E-07	0.00E+00	0.00E+00	1.45E-07	2.67E-08	1.78E-07	2.74E-08	2.20E-08	3.98E-07
395	483627.7	3854171	1.28E-03	1.35E-03	1.10E-03	4.43E-07	1.34E-06	7.74E-07	7.74E-07	7.39E-07	3.37E-07	2.76E-07	0.00E+00	0.00E+00	1.42E-07	2.63E-08	1.76E-07	2.71E-08	2.14E-08	3.93E-07
396	483677.7	3854171	1.27E-03	1.34E-03	1.09E-03	4.40E-07	1.33E-06	7.69E-07	7.69E-07	7.36E-07	3.36E-07	2.72E-07	0.00E+00	0.00E+00	1.42E-07	2.61E-08	1.75E-07	2.70E-08	2.10E-08	3.91E-07
397	483727.7	3854171	1.27E-03	1.34E-03	1.07E-03	4.39E-07	1.33E-06	7.68E-07	7.68E-07	7.37E-07	3.36E-07	2.68E-07	0.00E+00	0.00E+00	1.41E-07	2.61E-08	1.75E-07	2.70E-08	2.08E-08	3.90E-07
398	483777.7	3854171	1.26E-03	1.34E-03	1.06E-03	4.37E-07	1.32E-06	7.63E-07	7.63E-07	7.34E-07	3.35E-07	2.64E-07	0.00E+00	0.00E+00	1.40E-07	2.59E-08	1.74E-07	2.69E-08	2.05E-08	3.88E-07
399	483827.7	3854171	1.24E-03	1.31E-03	1.03E-03	4.28E-07	1.29E-06	7.48E-07	7.48E-07	7.21E-07	3.29E-07	2.57E-07	0.00E+00	0.00E+00	1.38E-07	2.54E-08	1.71E-07	2.64E-08	1.99E-08	3.81E-07
400	483877.7	3854171	1.22E-03	1.30E-03	1.01E-03	4.24E-07	1.28E-06	7.41E-07	7.41E-07	7.14E-07	3.26E-07	2.53E-07	0.00E+00	0.00E+00	1.36E-07	2.52E-08	1.70E-07	2.62E-08	1.96E-08	3.77E-07
401	483727.7	3854221	1.29E-03	1.36E-03	1.09E-03	4.46E-07	1.35E-06	7.80E-07	7.80E-07	7.48E-07	3.41E-07	2.73E-07	0.00E+00	0.00E+00	1.44E-07	2.65E-08	1.78E-07	2.74E-08	2.12E-08	3.96E-07
402	483777.7	3854221	1.28E-03	1.36E-03	1.08E-03	4.44E-07	1.34E-06	7.76E-07	7.76E-07	7.46E-07	3.40E-07	2.69E-07	0.00E+00	0.00E+00	1.43E-07	2.63E-08	1.77E-07	2.73E-08	2.08E-08	3.95E-07
403	483827.7	3854221	1.30E-03	1.38E-03	1.08E-03	4.48E-07	1.35E-06	7.84E-07	7.84E-07	7.54E-07	3.44E-07	2.70E-07	0.00E+00	0.00E+00	1.44E-07	2.66E-08	1.79E-07	2.76E-08	2.09E-08	3.99E-07
404	483877.7	3854221	1.28E-03	1.36E-03	1.06E-03	4.42E-07	1.33E-06	7.73E-07	7.73E-07	7.45E-07	3.40E-07	2.64E-07	0.00E+00	0.00E+00	1.42E-07	2.62E-08	1.77E-07	2.73E-08	2.05E-08	3.93E-07
405	489150.19	3858726.45	2.01E-02	2.01E-02	2.09E-02	6.95E-06	2.10E-05	1.21E-05	1.21E-05	1.10E-05	5.04E-06	5.23E-06	0.00E+00	0.00E+00	2.23E-06	4.12E-07	2.62E-06	4.05E-07	4.05E-07	6.08E-06
406	489200.19	3858726.45	1.97E-02	1.98E-02	2.05E-02	6.82E-06	2.06E-05	1.19E-05	1.19E-05	1.08E-05	4.95E-06	5.13E-06	0.00E+00	0.00E+00	2.19E-06	4.04E-07	2.58E-06	3.97E-07	3.97E-07	5.97E-06
407	489150.19	3858776.45	2.17E-02	2.18E-02	2.26E-02	7.52E-06	2.27E-05	1.31E-05	1.31E-05	1.19E-05	5.45E-06	5.67E-06	0.00E+00	0.00E+00	2.42E-06	4.46E-07	2.84E-06	4.38E-07	4.39E-07	6.58E-06
408	489200.19	3858776.45	2.11E-02	2.12E-02	2.20E-02	7.32E-06	2.21E-05	1.28E-05	1.28E-05	1.16E-05	5.31E-06	5.52E-06	0.00E+00	0.00E+00	2.35E-06	4.34E-07	2.76E-06	4.26E-07	4.27E-07	6.40E-06
409	488919.6	3856400.76	7.74E-03	8.21E-03	6.48E-03	2.68E-06	8.09E-06	4.68E-06	4.68E-06	4.51E-06	2.06E-06	1.62E-06	0.00E+00	0.00E+00	8.62E-07	1.59E-07	1.07E-06	1.65E-07	1.26E-07	2.38E-06
410	488919.6	3856450.76	7.89E-03	8.37E-03	6.62E-03	2.73E-06	8.25E-06	4.77E-06	4.77E-06	4.59E-06	2.09E-06	1.66E-06	0.00E+00	0.00E+00	8.78E-07	1.62E-07	1.09E-06	1.68E-07	1.28E-07	2.43E-06
411	488969.6	3856450.76	7.78E-03	8.24E-03	6.54E-03	2.69E-06	8.13E-06	4.70E-06	4.70E-06	4.52E-06	2.06E-06	1.64E-06	0.00E+00	0.00E+00	8.66E-07	1.60E-07	1.07E-06	1.66E-07	1.27E-07	2.39E-06
412	488919.6	3856500.76	8.03E-03	8.51E-03	6.76E-03	2.78E-06	8.40E-06	4.86E-06	4.86E-06	4.67E-06	2.13E-06	1.69E-06	0.00E+00	0.00E+00	8.94E-07	1.65E-07	1.11E-06	1.71E-07	1.31E-07	2.47E-06
413	488969.6	3856500.76	7.92E-03	8.39E-03	6.69E-03	2.74E-06	8.28E-06	4.79E-06	4.79E-06	4.60E-06	2.10E-06	1.67E-06	0.00E+00	0.00E+00	8.82E-07	1.63E-07	1.09E-06	1.69E-07	1.30E-07	2.44E-06

414	488919.6	3856550.76	8.18E-03	8.66E-03	6.91E-03	2.83E-06	8.55E-06	4.95E-06	4.95E-06	4.75E-06	2.17E-06	1.73E-06	0.00E+00	0.00E+00	9.10E-07	1.68E-07	1.13E-06	1.74E-07	1.34E-07	2.51E-06
415	488969.6	3856550.76	8.06E-03	8.53E-03	6.82E-03	2.79E-06	8.42E-06	4.88E-06	4.88E-06	4.68E-06	2.13E-06	1.71E-06	0.00E+00	0.00E+00	8.97E-07	1.65E-07	1.11E-06	1.71E-07	1.32E-07	2.48E-06
416	488819.6	3856600.76	8.55E-03	9.06E-03	7.21E-03	2.96E-06	8.94E-06	5.17E-06	5.17E-06	4.97E-06	2.27E-06	1.80E-06	0.00E+00	0.00E+00	9.52E-07	1.76E-07	1.18E-06	1.82E-07	1.40E-07	2.63E-06
417	488869.6	3856600.76	8.42E-03	8.91E-03	7.12E-03	2.91E-06	8.80E-06	5.09E-06	5.09E-06	4.89E-06	2.23E-06	1.78E-06	0.00E+00	0.00E+00	9.37E-07	1.73E-07	1.16E-06	1.79E-07	1.38E-07	2.59E-06
418	488919.6	3856600.76	8.30E-03	8.78E-03	7.04E-03	2.87E-06	8.68E-06	5.02E-06	5.02E-06	4.82E-06	2.20E-06	1.76E-06	0.00E+00	0.00E+00	9.24E-07	1.70E-07	1.14E-06	1.76E-07	1.36E-07	2.55E-06
419	488819.6	3856650.76	8.67E-03	9.18E-03	7.34E-03	3.00E-06	9.06E-06	5.25E-06	5.25E-06	5.03E-06	2.30E-06	1.84E-06	0.00E+00	0.00E+00	9.65E-07	1.78E-07	1.20E-06	1.84E-07	1.42E-07	2.67E-06
420	488869.6	3856650.76	8.54E-03	9.03E-03	7.25E-03	2.96E-06	8.92E-06	5.17E-06	5.17E-06	4.95E-06	2.26E-06	1.81E-06	0.00E+00	0.00E+00	9.50E-07	1.75E-07	1.18E-06	1.81E-07	1.40E-07	2.62E-06
421	488819.6	3856700.76	8.79E-03	9.29E-03	7.47E-03	3.04E-06	9.18E-06	5.32E-06	5.32E-06	5.09E-06	2.32E-06	1.87E-06	0.00E+00	0.00E+00	9.78E-07	1.80E-07	1.21E-06	1.87E-07	1.45E-07	2.70E-06
422	488869.6	3856700.76	8.65E-03	9.14E-03	7.37E-03	2.99E-06	9.04E-06	5.23E-06	5.23E-06	5.01E-06	2.29E-06	1.85E-06	0.00E+00	0.00E+00	9.63E-07	1.78E-07	1.19E-06	1.84E-07	1.43E-07	2.66E-06
423	488819.6	3856750.76	8.88E-03	9.38E-03	7.59E-03	3.07E-06	9.28E-06	5.37E-06	5.37E-06	5.14E-06	2.35E-06	1.90E-06	0.00E+00	0.00E+00	9.88E-07	1.82E-07	1.22E-06	1.88E-07	1.47E-07	2.73E-06
424	488869.6	3856750.76	8.75E-03	9.23E-03	7.50E-03	3.03E-06	9.15E-06	5.29E-06	5.29E-06	5.07E-06	2.31E-06	1.88E-06	0.00E+00	0.00E+00	9.74E-07	1.80E-07	1.20E-06	1.86E-07	1.45E-07	2.69E-06
425	488819.6	3857050.76	9.35E-03	9.78E-03	8.32E-03	3.24E-06	9.77E-06	5.66E-06	5.66E-06	5.36E-06	2.45E-06	2.08E-06	0.00E+00	0.00E+00	1.04E-06	1.92E-07	1.27E-06	1.97E-07	1.61E-07	2.86E-06
426	488869.6	3857050.76	9.26E-03	9.68E-03	8.27E-03	3.21E-06	9.68E-06	5.60E-06	5.60E-06	5.31E-06	2.42E-06	2.07E-06	0.00E+00	0.00E+00	1.03E-06	1.90E-07	1.26E-06	1.95E-07	1.60E-07	2.84E-06
427	488919.6	3857050.76	9.18E-03	9.58E-03	8.21E-03	3.18E-06	9.59E-06	5.55E-06	5.55E-06	5.26E-06	2.40E-06	2.06E-06	0.00E+00	0.00E+00	1.02E-06	1.88E-07	1.25E-06	1.93E-07	1.59E-07	2.81E-06
428	488819.6	3857100.76	9.44E-03	9.85E-03	8.47E-03	3.27E-06	9.86E-06	5.71E-06	5.71E-06	5.40E-06	2.46E-06	2.12E-06	0.00E+00	0.00E+00	1.05E-06	1.94E-07	1.28E-06	1.98E-07	1.64E-07	2.89E-06
429	488869.6	3857100.76	9.35E-03	9.75E-03	8.41E-03	3.24E-06	9.77E-06	5.66E-06	5.66E-06	5.35E-06	2.44E-06	2.11E-06	0.00E+00	0.00E+00	1.04E-06	1.92E-07	1.27E-06	1.96E-07	1.63E-07	2.86E-06
430	488919.6	3857100.76	9.28E-03	9.68E-03	8.38E-03	3.21E-06	9.70E-06	5.62E-06	5.62E-06	5.31E-06	2.42E-06	2.10E-06	0.00E+00	0.00E+00	1.03E-06	1.91E-07	1.26E-06	1.94E-07	1.62E-07	2.84E-06
431	488819.6	3857150.76	9.54E-03	9.93E-03	8.63E-03	3.30E-06	9.97E-06	5.77E-06	5.77E-06	5.45E-06	2.49E-06	2.16E-06	0.00E+00	0.00E+00	1.06E-06	1.96E-07	1.29E-06	2.00E-07	1.67E-07	2.92E-06
432	488869.6	3857150.76	9.47E-03	9.86E-03	8.59E-03	3.28E-06	9.90E-06	5.73E-06	5.73E-06	5.41E-06	2.47E-06	2.15E-06	0.00E+00	0.00E+00	1.05E-06	1.95E-07	1.28E-06	1.98E-07	1.67E-07	2.90E-06
433	488919.6	3857150.76	9.40E-03	9.78E-03	8.55E-03	3.26E-06	9.83E-06	5.69E-06	5.69E-06	5.36E-06	2.45E-06	2.14E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.27E-06	1.97E-07	1.66E-07	2.88E-06
434	488969.6	3857150.76	9.34E-03	9.71E-03	8.51E-03	3.23E-06	9.76E-06	5.65E-06	5.65E-06	5.32E-06	2.43E-06	2.13E-06	0.00E+00	0.00E+00	1.04E-06	1.92E-07	1.27E-06	1.95E-07	1.65E-07	2.86E-06
435	488819.6	3857200.76	9.67E-03	1.00E-02	8.82E-03	3.35E-06	1.01E-05	5.85E-06	5.85E-06	5.51E-06	2.51E-06	2.21E-06	0.00E+00	0.00E+00	1.08E-06	1.99E-07	1.31E-06	2.02E-07	1.71E-07	2.96E-06
436	488869.6	3857200.76	9.61E-03	9.98E-03	8.80E-03	3.33E-06	1.00E-05	5.82E-06	5.82E-06	5.48E-06	2.50E-06	2.20E-06	0.00E+00	0.00E+00	1.07E-06	1.97E-07	1.30E-06	2.01E-07	1.70E-07	2.94E-06
437	488919.6	3857200.76	9.56E-03	9.92E-03	8.76E-03	3.31E-06	9.99E-06	5.78E-06	5.78E-06	5.44E-06	2.48E-06	2.19E-06	0.00E+00	0.00E+00	1.06E-06	1.96E-07	1.29E-06	1.99E-07	1.70E-07	2.92E-06
438	488969.6	3857200.76	9.49E-03	9.85E-03	8.72E-03	3.29E-06	9.92E-06	5.75E-06	5.75E-06	5.40E-06	2.46E-06	2.18E-06	0.00E+00	0.00E+00	1.06E-06	1.95E-07	1.28E-06	1.98E-07	1.69E-07	2.90E-06
439	488819.6	3857250.76	9.82E-03	1.02E-02	9.04E-03	3.40E-06	1.03E-05	5.94E-06	5.94E-06	5.58E-06	2.55E-06	2.26E-06	0.00E+00	0.00E+00	1.09E-06	2.02E-07	1.33E-06	2.05E-07	1.75E-07	3.00E-06
440	488869.6	3857250.76	9.78E-03	1.01E-02	9.02E-03	3.38E-06	1.02E-05	5.92E-06	5.92E-06	5.56E-06	2.54E-06	2.26E-06	0.00E+00	0.00E+00	1.09E-06	2.01E-07	1.32E-06	2.04E-07	1.75E-07	2.99E-06
441	488919.6	3857250.76	9.73E-03	1.01E-02	9.00E-03	3.37E-06	1.02E-05	5.89E-06	5.89E-06	5.53E-06	2.52E-06	2.25E-06	0.00E+00	0.00E+00	1.08E-06	2.00E-07	1.31E-06	2.03E-07	1.74E-07	2.97E-06
442	488969.6	3857250.76	9.69E-03	1.00E-02	8.98E-03	3.35E-06	1.01E-05	5.86E-06	5.86E-06	5.50E-06	2.51E-06	2.25E-06	0.00E+00	0.00E+00	1.08E-06	1.99E-07	1.31E-06	2.02E-07	1.74E-07	2.96E-06
443	488819.6	3857300.76	1.00E-02	1.04E-02	9.31E-03	3.47E-06	1.05E-05	6.06E-06	6.06E-06	5.68E-06	2.59E-06	2.33E-06	0.00E+00	0.00E+00	1.12E-06	2.06E-07	1.35E-06	2.08E-07	1.80E-07	3.06E-06
444	488869.6	3857300.76	9.99E-03	1.03E-02	9.30E-03	3.46E-06	1.04E-05	6.05E-06	6.05E-06	5.67E-06	2.59E-06	2.33E-06	0.00E+00	0.00E+00	1.11E-06	2.05E-07	1.35E-06	2.08E-07	1.80E-07	3.05E-06
445	488919.6	3857300.76	9.97E-03	1.03E-02	9.30E-03	3.45E-06	1.04E-05	6.03E-06	6.03E-06	5.65E-06	2.58E-06	2.33E-06	0.00E+00	0.00E+00	1.11E-06	2.05E-07	1.34E-06	2.07E-07	1.80E-07	3.04E-06
446	488819.6	3857450.76	1.11E-02	1.13E-02	1.05E-02	3.83E-06	1.16E-05	6.69E-06	6.69E-06	6.22E-06	2.84E-06	2.64E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.48E-06	2.28E-07	2.04E-07	3.37E-06
447	488869.6	3857450.76	1.11E-02	1.14E-02	1.06E-02	3.83E-06	1.16E-05	6.70E-06	6.70E-06	6.23E-06	2.84E-06	2.65E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.48E-06	2.28E-07	2.05E-07	3.37E-06
448	488919.6	3857450.76	1.11E-02	1.14E-02	1.06E-02	3.84E-06	1.16E-05	6.72E-06	6.72E-06	6.24E-06	2.85E-06	2.66E-06	0.00E+00	0.00E+00	1.24E-06	2.28E-07	1.48E-06	2.29E-07	2.06E-07	3.38E-06
449	488819.6	3857500.76	1.16E-02	1.19E-02	1.12E-02	4.02E-06	1.21E-05	7.03E-06	7.03E-06	6.53E-06	2.98E-06	2.80E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.55E-06	2.39E-07	2.17E-07	3.54E-06
450	488869.6	3857500.76	1.17E-02	1.19E-02	1.12E-02	4.04E-06	1.22E-05	7.06E-06	7.06E-06	6.55E-06	2.99E-06	2.81E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.56E-06	2.40E-07	2.18E-07	3.55E-06
451	488919.6	3857500.76	1.17E-02	1.19E-02	1.12E-02	4.04E-06	1.22E-05	7.07E-06	7.07E-06	6.55E-06	2.99E-06	2.82E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.56E-06	2.40E-07	2.18E-07	3.56E-06
452	488819.6	3857550.76	1.24E-02	1.26E-02	1.20E-02	4.28E-06	1.29E-05	7.48E-06	7.48E-06	6.92E-06	3.16E-06	3.00E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.64E-06	2.54E-07	2.32E-07	3.76E-06
453	488869.6	3857550.76	1.24E-02	1.26E-02	1.20E-02	4.29E-06	1.29E-05	7.49E-06	7.49E-06	6.93E-06	3.16E-06	3.00E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.65E-06	2.54E-07	2.33E-07	3.77E-06
454	488919.6	3857550.76	1.24E-02	1.26E-02	1.20E-02	4.28E-06	1.29E-05	7.49E-06	7.49E-06	6.92E-06	3.16E-06	3.00E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.65E-06	2.54E-07	2.33E-07	3.76E-06
455	489663.71	3860900.05	9.23E-03	9.26E-03	9.66E-03	3.20E-06	9.65E-06	5.59E-06	5.59E-06	5.08E-06	2.32E-06	2.42E-06	0.00E+00	0.00E+00	1.03E-06	1.90E-07	1.21E-06	1.86E-07	1.87E-07	2.80E-06
456	489813.71	3860900.05	9.00E-03	9.03E-03	9.42E-03	3.12E-06	9.41E-06	5.45E-06	5.45E-06	4.95E-06	2.26E-06	2.36E-06	0.00E+00	0.00E+00	1.00E-06	1.85E-07	1.18E-06	1.81E-07	1.82E-07	2.73E-06
457	489863.71	3860900.05	8.91E-03	8.93E-03	9.31E-03	3.08E-06	9.31E-06	5.39E-06	5.39E-06	4.90E-06	2.23E-06	2.33E-06	0.00E+00	0.00E+00	9.91E-07	1.83E-07	1.16E-06	1.79E-07	1.80E-07	2.70E-06
458	489913.71	3860900.05	8.84E-03	8.86E-03	9.24E-03	3.06E-06	9.24E-06	5.35E-06	5.35E-06	4.86E-06	2.22E-06	2.31E-06	0.00E+00	0.00E+00	9.84E-07	1.82E-07	1.15E-06	1.78E-07	1.79E-07	2.68E-06
459	489963.71	3860900.05	8.74E-03	8.76E-03	9.13E-03	3.02E-06	9.13E-06	5.29E-06	5.29E-06	4.80E-06	2.19E-06	2.29E-06	0.00E+00	0.00E+00	9.72E-07	1.79E-07	1.14E-06	1.76E-07	1.77E-07	2.65E-06
460	490013.71	3860900.05	8.66E-03	8.69E-03	9.06E-03	3.00E-06	9.05E-06	5.24E-06	5.24E-06	4.77E-06	2.17E-06	2.27E-06	0.00E+00	0.00E+00	9.64E-07	1.78E-07	1.13E-06	1.75E-07	1.75E-07	2.62E-06
461	490063.71	3860900.05	8.57E-03	8.60E-03	8.96E-03	2.97E-06	8.96E-06	5.19E-06	5.19E-06	4.72E-06	2.15E-06	2.24E-06	0.00E+00	0.00E+00	9.54E-07	1.76E-07	1.12E-06	1.73E-07	1.74E-07	2.60E-06
462	489663.71	3860950.05	8.41E-03	8.43E-03	8.79E-03	2.91E-06	8.79E-06	5.09E-06	5.09E-06	4.63E-06	2.11E-06	2.20E-06	0.00E+00	0.00E+00	9.36E-07	1.73E-07	1.10E-06	1.69E-07	1.70E-07	2.55E-06
463	489813.71	3860950.05	8.25E-03	8.28E-03	8.62E-03	2.86E-06	8.63E-06	4.99E-06	4.99E-06	4.54E-06	2.07E-06	2.16E-06	0.00E+00	0.00E+00	9.19E-07	1.69E-07	1.08E-06	1.66E-07	1.67E-07	2.50E-06
464	489863.71	3860950.05	8.18E-03	8.20E-03	8.54E-03	2.83E-06	8.55E-06	4.95E-06	4.95E-06	4.50E-06	2.05E-06	2.14E-06	0.00E+00	0.00E+00	9.10E-07	1.68E-07	1.07E-06	1.65E-07	1.66E-07	2.48E-06
465	489913.71	3860950.05	8.13E-03	8.15E-03	8.49E-03	2.81E-06	8.49E-06	4.92E-06	4.92E-06	4.47E-06	2.04E-06	2.13E-06	0.00E+00	0.00E+00	9.05E-07	1.67E-07	1.06E-06	1.64E-07	1.65E-07	2.46E-06
466	489963.71	3860950.05	8.06E-03	8.08E-03	8.42E-03	2.79E-06	8.42E-06	4.88E-06	4.88E-06	4.43E-06	2.02E-06	2.11E-06	0.00E+00	0.00E+00	8.97E-07	1.66E-07	1.05E-06	1.62E-07	1.63E-07	2.44E-06
467	490013.71	3860950.05	8.00E-03	8.02E-03	8.36E-03	2.77E-06	8.36E-06	4.84E-06	4.84E-06	4.40E-06	2.01E-06	2.09E-06	0.00E+00	0.00E+00	8.91E-07	1.64E-07	1.05E-06	1.61E-07	1.62E-07	2.42E-06
468	490063.71	3860950.05	7.94E-03	7.96E-03	8.29E-03	2.75E-06	8.30E-06	4.80E-06	4.80E-06	4.37E-06	1.99E-06	2.08E-06	0.00E+00	0.00E+00	8.84E-07	1.63E-07	1.04E-06	1.60E-07	1.61E-07	2.41E-06
469	489513.71	3861000.05	7.81E-03	7.83E-03	8.16E-03	2.70E-06	8.16E-06	4.73E-06	4.73E-06	4.30E-06	1.96E-06	2.04E-06	0.00E+00	0.00E+00	8.70E-07	1.60E-07	1.02E-06	1.57E-07	1.58E-07	2.37E-06
470	489563.71	3861000.05	7.78E-03	7.80E-03	8.12E-03	2.69E-06	8.13E-06	4.70E-06	4.70E-06	4.28E-06	1.95E-06	2.03E-06	0.00E+00	0.00E+00	8.65E-07	1.60E-07	1.02E-06	1.57E-07	1.57E-07	2.36E-06
471	489613.71	3861000.05	7.75E-03	7.77E-03	8.09E-03	2.68E-06	8.10E-06	4.69E-06	4.69E-06	4.26E-06	1.94E-06	2.03E-06	0.00E+00	0.00E+00	8.63E-07	1.59E-07	1.01E-06	1.56E-07	1.57E-07	2.35E-06
472	489663.71	3861000.05	7.71E-03	7.73E-03	8.05E-03	2.67E-06	8.06E-06	4.67E-06	4.67E-06	4.24E-06	1.94E-06	2.02E-06	0.00E+00	0.00E+00	8.58E-07	1.58E-07	1.01E-06	1.55E-07	1.56E-07	2.34E-06
473	489713.71	3861000.05	7.66E-03	7.69E-03	8.00E-03	2.65E-06	8.01E-06	4.64E-06	4.64E-06	4.22E-06	1.92E-06	2.00E-06	0.00E+00	0.00E+00	8.53E-07	1.57E-07	1.00E-06	1.54E-07	1.55E-07	2.32E-06
474	489763.71	3861000.05	7.62E-03	7.64E-03	7.96E-03	2.64E-06	7.97E-06	4.61E-06	4.61E-06	4.19E-06	1.91E-06	1.99E-06	0.00E+00	0.00E+00	8.48E-07	1.57E-07	9.96E-07	1.54E-07	1.54E-07	2.31E-06
475	489813.71	3861000.05	7.60E-03	7.62E-03	7.93E-03	2.63E-06	7.94E-06	4.60E-06	4.60E-06	4.18E-06	1.91E-06	1.99E-06	0.00E+00	0.00E+00	8.46E-07	1.56E-07	9.93E-07	1.53E-07	1.54E-07	2.30E-06
476	489863.71	3861000.05	7.54E-03	7.56E-03	7.87E-03	2.61E-06	7.88E-06	4.56E-06	4.56E-06	4.15E-06	1.89E-06	1.97E-06	0.00E+00	0.00E+00	8.39E-07	1.55E-07	9.86E-07	1.52E-07	1.53E-07	2.28E-06
477	489913.71	3861000.05	7.51E-03	7.53E-03	7.84E-03	2.60E-06	7.84E-06	4.54E-06	4.54E-06	4.13E-06	1.88E-06	1.96E-06	0.00E+00	0.00E+00	8.35E-07	1.54E-07	9.81E-07	1.51E-07	1.52E-07	2.27E-06
478	489963.71	3861000.05	7.45E-03	7.47E-03	7.78E-03	2.58E-06	7.79E-06	4.51E-06	4.51E-06	4.10E-06	1.87E-06	1.95E-06	0.00E+00	0.00E+00	8.29E-07	1.53E-07	9.74E-07	1.50E-07	1.51E-07	2.26E-06
479	490013.71	3861000.05	7.41E-03	7.43E-03	7.73E-03	2.56E-06	7.74E-06	4.48E-06	4.48E-06	4.08E-06	1.86E-06	1.94E-06	0.00E+00	0.00E+00	8.25E-07	1.52E-07	9.68E-07	1.49E-07	1.50E-07	2.24E-06
480	490063.71	3861000.05	7.36E-03	7.39E-03	7.68E-03	2.55E-06	7.69E-06	4.45E-06	4.45E-06	4.05E-06	1.85E-06	1.92E-06	0.00E+00	0.00E+00	8.19E-07	1.51E-07	9.62E-07	1.48E-07	1.49E-07	2.23E-06
481	489513.71	3861050.05	7.18E-03	7.20E-03	7.50E-03	2.49E-06	7.50E-06	4.34E-06	4.34E-06	3.95E-06	1.80E-06	1.88E-06	0.00E+00	0.00E+00	7.99E-07	1.47E-07	9.39E-07	1.45E-07	1.45E-07	2.18E-06
482	489563.71	3861050.05	7.15E-03	7.18E-03	7.47E-03	2.48E-06	7.48E-06	4.33E-06	4.33E-06	3.94E-06	1.80E-06	1.87E-06	0.00E+00	0.00E+00	7.96E-07	1.47E-07	9.35E-07	1.44E-07	1.45E-07	2.17E-06
483	489613.71	3861050.05	7.15E-03	7.17E-03	7.46E-03	2.47E-06	7.47E-06	4.32E-06	4.32E-06	3.93E-06	1.79E-06	1.87E-06	0.00E+00	0.00E+00	7.95E-07	1.47E-07	9.34E-07	1.44E-07	1.45E-07	2.17E-06
484	489663.71	3861050.05	7.10E-03	7.13E-03	7.42E-03	2.46E-06	7.43E-06	4.30E-06	4.30E-06	3.91E-06	1.78E-06	1.86E-06	0.00E+00	0.00E+00	7.91E-07	1.46E-07	9.29E-07	1.43E-07	1.44E-07	2.15E-06
485	489713.71	3861050.05	7.07E-03	7.09E-03	7.38E-03	2.45E-06	7.39E-06	4.28E-06	4.28E-06	3.89E-06	1.77E-06	1.85E-06	0.00E+00	0.00E+00	7.87E-07	1.45E-07	9.24E-07	1.42E-07	1.43E-07	2.14E-06
486	489763.71	3861050.05	7.04E-03	7.06E-03	7.35E-03	2.44E-06	7.36E-06	4.26E-06	4.26E-06	3.87E-06	1.77E-06	1.84E-06	0.00E+00	0.00E+00	7.83E-07	1.45E-07	9.20E-07	1.42E-07	1.42E-07	2.13E-06
487	489813.71	3861050.05	7.01E-03	7.04E-03	7.32E-03	2.43E-06	7.33E-06	4.24E-06	4.24E-06	3.86E-06	1.76E-06	1.83E-06	0.00E+00	0.00E+00	7.81E-07	1.44E-07	9.17E-07	1.41E-07	1.42E-07	2.12E-06
488	489863.71	3861050.05	6.98E-03	7.00E-03	7.28E-03	2.41E-06	7.29E-06	4.22E-06	4.22E-06	3.84E-06	1.75E-06	1.82E-06	0.00E+00	0.00E+00	7.77E-07	1.43E-07	9.12E-07	1.41E-07	1.41E-07	2.11E-06
489	489913.71	3861050.05	6.94E-03	6.97E-03	7.24E-03	2.40E-06	7.26E-06	4.20E-06	4.20E-06	3.82E-06	1.74E-06	1.81E-06	0.00E+00	0.00E+00	7.73E-07	1.43E-07	9.08E-07	1.40E-07	1.40E-07	2.10E-06
490	489963.71	3861050.05	6.91E-03	6.93E-03	7.21E-03	2.39E-06	7.22E-06	4.18E-06	4.18E-06	3.80E-06	1.73E-06	1.80E-06	0.00E+00	0.00E+00	7.69E-07	1.42E-07	9.03E-07	1.39E-07	1.40E-07	2.09E-06
491	490013.71	3861050.05	6.88E-03	6.91E-03	7.18E-03	2.38E-06	7.20E-06	4.17E-06	4.17E-06	3.79E-06	1.73E-06	1.80E-06	0.00E+00	0.00E+00	7.66E-07	1.41E-07	9.00E-07	1.39E-07	1.39E-07	2.09E-06
492	490063.71	3861050.05	6.85E-03	6.87E-03	7.14E-03	2.37E-06	7.16E-06	4.14E-06	4.14E-06	3.77E-06	1.72E-06	1.79E-06	0.00E+00	0.00E+00	7.62E-07	1.41E-07	8.95E-07	1.38E-07	1.38E-07	2.07E-06
493	489513.71	3861100.05	6.65E-03	6.67E-03	6.94E-03	2.30E-06	6.95E-06	4.02E-06	4.02E-06	3.66E-06	1.67E-06	1.74E-06	0.00E+00	0.00E+00	7.40E-07	1.37E-07	8.69E-07	1.34E-07	1.34E-07	2.01E-06
494	489563.71	3861100.05	6.61E-03	6.63E-03	6.90E-03	2.29E-06	6.91E-06	4.00E-06	4.00E-06	3.64E-06	1.66E-06	1.73E-06	0.00E+00	0.00E+00	7.36E-07	1.36E-07	8.64E-07	1.33E-07	1.34E-07	2.00E-06
495	489613.71	3861100.05	6.57E-03	6.59E-03	6.85E-03	2.27E-06	6.87E-06	3.98E-06	3.98E-06	3.62E-06	1.65E-06	1.72E-06	0.00E+00	0.00E+00	7.31E-07	1.35E-07	8.59E-07	1.32E-07	1.33E-07	1.99E-06
496	489663.71	3861100.05	6.55E-03	6.58E-03	6.84E-03	2.27E-06	6.85E-06	3.97E-06	3.97E-06	3.61E-06	1.65E-06	1.71E-06	0.00E+00	0.00E+00	7.30E-07	1.35E-07	8.57E-07	1.32E-07	1.33E-07	1.99E-06
497	489713.71	3861100.05	6.54E-03	6.56E-03	6.82E-03	2.26E-06	6.83E-06	3.96E-06	3.96E-06	3.60E-06	1.64E-06	1.71E-06	0.00E+00	0.00E+00	7.28E-07	1.34E-07	8.55E-07	1.32E-07	1.32E-07	1.98E-06
498	489763.71	3861100.05	6.52E-03	6.54E-03	6.80E-03	2.26E-06	6.81E-06	3.94E-06	3.94E-06	3.59E-06	1.64E-06	1.70E-06	0.00E+00	0.00E+00	7.25E-07	1.34E-07	8.52E-07	1.31E-07	1.32E-07	1.97E-06
499	489813.71	3861100.05	6.50E-03	6.52E-03	6.78E-03	2.25E-06	6.79E-06	3.93E-06	3.93E-06	3.58E-06	1.63E-06	1.70E-06	0.00E+00	0.00E+00	7.23E-07	1.33E-07	8.50E-07	1.31E-07	1.31E-07	1.97E-06
500	489863.71	3861100.05	6.49E-03	6.51E-03	6.76E-03	2.25E-06	6.78E-06	3.92E-06	3.92E-06	3.57E-06	1.63E-06	1.69E-06	0.00E+00	0.00E+00	7.22E-07	1.33E-07	8.48E-07	1.31E-07	1.31E-07	1.97E-06
501	489913.71	3861100.05	6.45E-03	6.47E-03	6.73E-03	2.23E-06	6.74E-06	3.90E-06	3.90E-06	3.55E-06	1.62E-06	1.68E-06	0.00E+00	0.00E+00	7.18E-07	1.32E-07	8.44E-07	1.30E-07	1.30E-07	1.95E-06
502	489963.71	3861100.05	6.43E-03	6.45E-03	6.70E-03	2.22E-06	6.72E-06	3.89E-06	3.89E-06	3.54E-06	1.61E-06	1.68E-06	0.00E+00	0.00E+00	7.15E-07	1.32E-07	8.40E-07	1.30E-07	1.30E-07	1.95E-06
503	490013.71	3861100.05	6.39E-03	6.42E-03	6.67E-03	2.21E-06	6.68E-06	3.87E-06	3.87E-06	3.52E-06	1.61E-06	1.67E-06	0.00E+00	0.00E+00	7.12E-07	1.31E-07	8.36E-07	1.29E-07	1.29E-07	1.94E-06
504	490063.71	3861100.05	6.37E-03	6.39E-03	6.64E-03	2.21E-06	6.66E-06	3.85E-06	3.85E-06	3.51E-06	1.60E-06	1.66E-06	0.00E+00	0.00E+00	7.09E-07	1.31E-07	8.33E-07	1.28E-07	1.29E-07	1.93E-06
505	489713.71	3861150.05	6.08E-03	6.10E-03	6.33E-03	2.10E-06	6.35E-06	3.68E-06	3.68E-06	3.35E-06	1.53E-06	1.59E-06	0.00E+00	0.00E+00	6.76E-07	1.25E-07	7.95E-07	1.23E-07	1.23E-07	1.84E-06
506	489763.71	3861150.05	6.07E-03	6.09E-03	6.32E-03	2.10E-06	6.34E-06	3.67E-06	3.67E-06	3.34E-06	1.52E-06	1.58E-06	0.00E+00	0.00E+00	6.75E-07	1.25E-07	7.93E-07	1.22E-07	1.23E-07	1.84E-06
507	489813.71	3861150.05	6.05E-03	6.08E-03	6.31E-03	2.10E-06	6.33E-06	3.66E-06	3.66E-06	3.33E-06	1.52E-06	1.58E-06	0.00E+00	0.00E+00	6.74E-07	1.24E-07	7.92E-07	1.22E-07	1.22E-07	1.83E-06
508	489863.71	3861150.05	6.04E-03	6.06E-03	6.29E-03	2.09E-06	6.31E-06	3.65E-06	3.65E-06	3.32E-06	1.52E-06	1.57E-06	0.00E+00	0.00E+00	6.72E-07	1.24E-07	7.89E-07	1.22E-07	1.22E-07	1.83E-06
509	489913.71	3861150.05	6.01E-03	6.04E-03	6.27E-03	2.08E-06	6.29E-06	3.64E-06	3.64E-06	3.31E-06	1.51E-06	1.57E-06	0.00E+00	0.00E+00	6.69E-07	1.24E-07	7.87E-07	1.21E-07	1.21E-07	1.82E-06
510	489963.71	3861150.05	5.99E-03	6.01E-03	6.24E-03	2.07E-06	6.26E-06	3.62E-06	3.62E-06	3.30E-06	1.50E-06	1.56E-06	0.00E+00	0.00E+00	6.67E-07	1.23E-07	7.83E-07	1.21E-07	1.21E-07	1.81E-06
511	490013.71	3861150.05	5.96E-03	5.99E-03	6.21E-03	2.06E-06	6.23E-06	3.61E-06	3.61E-06	3.28E-06	1.50E-06	1.56E-06	0.00E+00	0.00E+00	6.64E-07	1.22E-07	7.80E-07	1.20E-07	1.20E-07	1.81E-06
512	490063.71	3861150.05	5.95E-03	5.97E-03	6.20E-03	2.06E-06	6.22E-06	3.60E-06	3.60E-06	3.28E-06	1.49E-06	1.55E-06	0.00E+00	0.00E+00	6.62E-07	1.22E-07	7.78E-07	1.20E-07	1.20E-07	1.80E-06
513	489613.71	3861200.05	5.68E-03	5.70E-03	5.91E-03	1.97E-06	5.93E-06	3.43E-06	3.43E-06	3.13E-06	1.43E-06	1.48E-06	0.00E+00	0.00E+00	6.32E-07	1.17E-07	7.43E-07	1.15E-07	1.15E-07	1.72E-06
514	489663.71	3861200.05	5.68E-03	5.70E-03	5.91E-03	1.96E-06	5.93E-06	3.43E-06	3.43E-06	3.12E-06	1.43E-06	1.48E-06	0.00E+00	0.00E+00	6.32E-07	1.17E-07	7.42E-07	1.14E-07	1.15E-07	1.72E-06
515	489713.71	3861200.05	5.67E-03	5.69E-03	5.91E-03	1.96E-06	5.93E-06	3.43E-06	3.43E-06	3.12E-06	1.42E-06	1.48E-06	0.00E+00	0.00E+00	6.31E-07	1.16E-07	7.42E-07	1.14E-07	1.15E-07	1.72E-06
516	489763.71	3861200.05	5.67E-03	5.69E-03	5.90E-03	1.96E-06	5.92E-06	3.43E-06	3.43E-06	3.12E-06	1.42E-06	1.48E-06	0.00E+00	0.00E+00	6.31E-07	1.16E-07	7.41E-07	1.14E-07	1.14E-07	1.72E-06
517	489813.71	3861200.05	5.66E-03	5.68E-03	5.89E-03	1.96E-06	5.91E-06	3.42E-06	3.42E-06	3.12E-06	1.42E-06	1.48E-06	0.00E+00	0.00E+00	6.30E-07	1.16E-07	7.40E-07	1.14E-07	1.14E-07	1.71E-06
518	489863.71	3861200.05	5.65E-03	5.67E-03	5.89E-03	1.96E-06	5.91E-06	3.42E-06	3.42E-06	3.11E-06	1.42E-06	1.47E-06	0.00E+00	0.00E+00	6.29E-07	1.16E-07	7.39E-07	1.14E-07	1.14E-07	1.71E-06

519	489913.71	3861200.05	5.63E-03	5.65E-03	5.87E-03	1.95E-06	5.89E-06	3.41E-06	3.41E-06	3.10E-06	1.42E-06	1.47E-06	0.00E+00	0.00E+00	6.27E-07	1.16E-07	7.37E-07	1.14E-07	1.14E-07	1.71E-06
520	489963.71	3861200.05	5.61E-03	5.63E-03	5.84E-03	1.94E-06	5.86E-06	3.39E-06	3.39E-06	3.09E-06	1.41E-06	1.46E-06	0.00E+00	0.00E+00	6.24E-07	1.15E-07	7.34E-07	1.13E-07	1.13E-07	1.70E-06
521	490013.71	3861200.05	5.59E-03	5.62E-03	5.82E-03	1.94E-06	5.85E-06	3.38E-06	3.38E-06	3.08E-06	1.41E-06	1.46E-06	0.00E+00	0.00E+00	6.23E-07	1.15E-07	7.32E-07	1.13E-07	1.13E-07	1.70E-06
522	490063.71	3861200.05	5.57E-03	5.60E-03	5.80E-03	1.93E-06	5.83E-06	3.37E-06	3.37E-06	3.07E-06	1.40E-06	1.45E-06	0.00E+00	0.00E+00	6.20E-07	1.14E-07	7.29E-07	1.12E-07	1.12E-07	1.69E-06
523	489513.71	3861250.05	5.30E-03	5.32E-03	5.52E-03	1.83E-06	5.54E-06	3.21E-06	3.21E-06	2.92E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.90E-07	1.09E-07	6.94E-07	1.07E-07	1.07E-07	1.61E-06
524	489563.71	3861250.05	5.31E-03	5.33E-03	5.53E-03	1.84E-06	5.55E-06	3.21E-06	3.21E-06	2.93E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.91E-07	1.09E-07	6.95E-07	1.07E-07	1.07E-07	1.61E-06
525	489613.71	3861250.05	5.32E-03	5.34E-03	5.54E-03	1.84E-06	5.56E-06	3.22E-06	3.22E-06	2.93E-06	1.34E-06	1.39E-06	0.00E+00	0.00E+00	5.92E-07	1.09E-07	6.96E-07	1.07E-07	1.07E-07	1.61E-06
526	489663.71	3861250.05	5.32E-03	5.34E-03	5.53E-03	1.84E-06	5.56E-06	3.22E-06	3.22E-06	2.93E-06	1.34E-06	1.39E-06	0.00E+00	0.00E+00	5.92E-07	1.09E-07	6.96E-07	1.07E-07	1.07E-07	1.61E-06
527	489713.71	3861250.05	5.32E-03	5.34E-03	5.53E-03	1.84E-06	5.56E-06	3.22E-06	3.22E-06	2.93E-06	1.34E-06	1.38E-06	0.00E+00	0.00E+00	5.92E-07	1.09E-07	6.95E-07	1.07E-07	1.07E-07	1.61E-06
528	489763.71	3861250.05	5.31E-03	5.33E-03	5.53E-03	1.84E-06	5.55E-06	3.21E-06	3.21E-06	2.93E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.91E-07	1.09E-07	6.95E-07	1.07E-07	1.07E-07	1.61E-06
529	489813.71	3861250.05	5.31E-03	5.33E-03	5.52E-03	1.84E-06	5.55E-06	3.21E-06	3.21E-06	2.92E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.91E-07	1.09E-07	6.94E-07	1.07E-07	1.07E-07	1.61E-06
530	489863.71	3861250.05	5.30E-03	5.32E-03	5.52E-03	1.83E-06	5.54E-06	3.21E-06	3.21E-06	2.92E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.90E-07	1.09E-07	6.93E-07	1.07E-07	1.07E-07	1.61E-06
531	489913.71	3861250.05	5.29E-03	5.31E-03	5.51E-03	1.83E-06	5.53E-06	3.20E-06	3.20E-06	2.91E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.89E-07	1.09E-07	6.92E-07	1.07E-07	1.07E-07	1.60E-06
532	489963.71	3861250.05	5.28E-03	5.30E-03	5.49E-03	1.83E-06	5.52E-06	3.19E-06	3.19E-06	2.91E-06	1.33E-06	1.37E-06	0.00E+00	0.00E+00	5.88E-07	1.08E-07	6.91E-07	1.07E-07	1.06E-07	1.60E-06
533	490013.71	3861250.05	5.26E-03	5.28E-03	5.48E-03	1.82E-06	5.50E-06	3.18E-06	3.18E-06	2.90E-06	1.32E-06	1.37E-06	0.00E+00	0.00E+00	5.86E-07	1.08E-07	6.89E-07	1.06E-07	1.06E-07	1.59E-06
534	490063.71	3861250.05	5.24E-03	5.26E-03	5.45E-03	1.81E-06	5.48E-06	3.17E-06	3.17E-06	2.89E-06	1.32E-06	1.36E-06	0.00E+00	0.00E+00	5.83E-07	1.08E-07	6.86E-07	1.06E-07	1.06E-07	1.59E-06
535	489528.13	3861308.47	4.92E-03	4.94E-03	5.12E-03	1.70E-06	5.15E-06	2.98E-06	2.98E-06	2.71E-06	1.24E-06	1.28E-06	0.00E+00	0.00E+00	5.48E-07	1.01E-07	6.44E-07	9.94E-08	9.93E-08	1.49E-06
536	489578.13	3861308.47	4.93E-03	4.95E-03	5.13E-03	1.71E-06	5.16E-06	2.98E-06	2.98E-06	2.72E-06	1.24E-06	1.28E-06	0.00E+00	0.00E+00	5.49E-07	1.01E-07	6.45E-07	9.95E-08	9.95E-08	1.49E-06
537	489628.13	3861308.47	4.94E-03	4.96E-03	5.14E-03	1.71E-06	5.16E-06	2.99E-06	2.99E-06	2.72E-06	1.24E-06	1.29E-06	0.00E+00	0.00E+00	5.50E-07	1.01E-07	6.46E-07	9.97E-08	9.96E-08	1.50E-06
538	489678.13	3861308.47	4.94E-03	4.97E-03	5.14E-03	1.71E-06	5.17E-06	2.99E-06	2.99E-06	2.72E-06	1.24E-06	1.29E-06	0.00E+00	0.00E+00	5.50E-07	1.02E-07	6.47E-07	9.98E-08	9.97E-08	1.50E-06
539	489728.13	3861308.47	4.95E-03	4.97E-03	5.15E-03	1.71E-06	5.17E-06	2.99E-06	2.99E-06	2.72E-06	1.24E-06	1.29E-06	0.00E+00	0.00E+00	5.51E-07	1.02E-07	6.47E-07	9.98E-08	9.97E-08	1.50E-06
540	489778.13	3861308.47	4.94E-03	4.96E-03	5.14E-03	1.71E-06	5.17E-06	2.99E-06	2.99E-06	2.72E-06	1.24E-06	1.29E-06	0.00E+00	0.00E+00	5.50E-07	1.02E-07	6.47E-07	9.98E-08	9.97E-08	1.50E-06
541	489678.13	3861358.47	4.66E-03	4.68E-03	4.85E-03	1.61E-06	4.87E-06	2.82E-06	2.82E-06	2.57E-06	1.17E-06	1.21E-06	0.00E+00	0.00E+00	5.19E-07	9.57E-08	6.10E-07	9.41E-08	9.39E-08	1.41E-06
542	489728.13	3861358.47	4.66E-03	4.68E-03	4.85E-03	1.61E-06	4.87E-06	2.82E-06	2.82E-06	2.57E-06	1.17E-06	1.21E-06	0.00E+00	0.00E+00	5.19E-07	9.58E-08	6.10E-07	9.41E-08	9.40E-08	1.41E-06
543	489528.13	3861408.47	4.38E-03	4.40E-03	4.55E-03	1.52E-06	4.58E-06	2.65E-06	2.65E-06	2.41E-06	1.10E-06	1.14E-06	0.00E+00	0.00E+00	4.87E-07	8.99E-08	5.73E-07	8.84E-08	8.82E-08	1.33E-06
544	489578.13	3861408.47	4.39E-03	4.41E-03	4.56E-03	1.52E-06	4.59E-06	2.66E-06	2.66E-06	2.42E-06	1.10E-06	1.14E-06	0.00E+00	0.00E+00	4.88E-07	9.01E-08	5.74E-07	8.86E-08	8.84E-08	1.33E-06
545	489628.13	3861408.47	4.41E-03	4.43E-03	4.58E-03	1.53E-06	4.60E-06	2.67E-06	2.67E-06	2.43E-06	1.11E-06	1.15E-06	0.00E+00	0.00E+00	4.90E-07	9.05E-08	5.77E-07	8.89E-08	8.87E-08	1.34E-06
546	489678.13	3861408.47	4.41E-03	4.43E-03	4.58E-03	1.53E-06	4.61E-06	2.67E-06	2.67E-06	2.43E-06	1.11E-06	1.15E-06	0.00E+00	0.00E+00	4.91E-07	9.05E-08	5.77E-07	8.90E-08	8.88E-08	1.34E-06
547	489728.13	3861408.47	4.41E-03	4.43E-03	4.58E-03	1.53E-06	4.61E-06	2.67E-06	2.67E-06	2.43E-06	1.11E-06	1.15E-06	0.00E+00	0.00E+00	4.91E-07	9.06E-08	5.77E-07	8.90E-08	8.88E-08	1.34E-06
548	489528.13	3861458.47	4.15E-03	4.17E-03	4.31E-03	1.44E-06	4.34E-06	2.51E-06	2.51E-06	2.29E-06	1.04E-06	1.08E-06	0.00E+00	0.00E+00	4.62E-07	8.53E-08	5.44E-07	8.38E-08	8.36E-08	1.26E-06
549	489578.13	3861458.47	4.16E-03	4.18E-03	4.32E-03	1.44E-06	4.35E-06	2.52E-06	2.52E-06	2.29E-06	1.05E-06	1.08E-06	0.00E+00	0.00E+00	4.63E-07	8.55E-08	5.45E-07	8.40E-08	8.38E-08	1.26E-06
550	489628.13	3861458.47	4.17E-03	4.19E-03	4.33E-03	1.44E-06	4.36E-06	2.52E-06	2.52E-06	2.30E-06	1.05E-06	1.08E-06	0.00E+00	0.00E+00	4.64E-07	8.57E-08	5.46E-07	8.42E-08	8.39E-08	1.26E-06
551	489678.13	3861458.47	4.18E-03	4.20E-03	4.34E-03	1.45E-06	4.36E-06	2.53E-06	2.53E-06	2.30E-06	1.05E-06	1.09E-06	0.00E+00	0.00E+00	4.65E-07	8.58E-08	5.47E-07	8.43E-08	8.40E-08	1.27E-06
552	489728.13	3861458.47	4.17E-03	4.19E-03	4.34E-03	1.45E-06	4.36E-06	2.53E-06	2.53E-06	2.30E-06	1.05E-06	1.08E-06	0.00E+00	0.00E+00	4.65E-07	8.57E-08	5.47E-07	8.43E-08	8.40E-08	1.27E-06
553	489528.13	3861508.47	3.95E-03	3.96E-03	4.10E-03	1.37E-06	4.12E-06	2.39E-06	2.39E-06	2.17E-06	9.92E-07	1.02E-06	0.00E+00	0.00E+00	4.39E-07	8.10E-08	5.17E-07	7.97E-08	7.94E-08	1.20E-06
554	489578.13	3861508.47	3.95E-03	3.97E-03	4.10E-03	1.37E-06	4.13E-06	2.39E-06	2.39E-06	2.18E-06	9.94E-07	1.03E-06	0.00E+00	0.00E+00	4.40E-07	8.12E-08	5.18E-07	7.98E-08	7.95E-08	1.20E-06
555	489628.13	3861508.47	3.96E-03	3.98E-03	4.11E-03	1.37E-06	4.14E-06	2.39E-06	2.39E-06	2.18E-06	9.95E-07	1.03E-06	0.00E+00	0.00E+00	4.41E-07	8.13E-08	5.18E-07	7.99E-08	7.96E-08	1.20E-06
556	489678.13	3861508.47	3.96E-03	3.98E-03	4.11E-03	1.37E-06	4.14E-06	2.40E-06	2.40E-06	2.18E-06	9.96E-07	1.03E-06	0.00E+00	0.00E+00	4.41E-07	8.14E-08	5.19E-07	8.00E-08	7.97E-08	1.20E-06
557	489728.13	3861508.47	3.96E-03	3.98E-03	4.11E-03	1.37E-06	4.14E-06	2.40E-06	2.40E-06	2.19E-06	9.97E-07	1.03E-06	0.00E+00	0.00E+00	4.41E-07	8.14E-08	5.19E-07	8.01E-08	7.97E-08	1.20E-06
558	489628.13	3861558.47	3.77E-03	3.79E-03	3.91E-03	1.31E-06	3.94E-06	2.28E-06	2.28E-06	2.08E-06	9.49E-07	9.79E-07	0.00E+00	0.00E+00	4.20E-07	7.75E-08	4.94E-07	7.62E-08	7.58E-08	1.14E-06
559	489678.13	3861558.47	3.78E-03	3.80E-03	3.92E-03	1.31E-06	3.95E-06	2.29E-06	2.29E-06	2.08E-06	9.51E-07	9.82E-07	0.00E+00	0.00E+00	4.21E-07	7.77E-08	4.95E-07	7.64E-08	7.60E-08	1.15E-06
560	489728.13	3861558.47	3.79E-03	3.80E-03	3.93E-03	1.31E-06	3.96E-06	2.29E-06	2.29E-06	2.09E-06	9.52E-07	9.83E-07	0.00E+00	0.00E+00	4.21E-07	7.78E-08	4.96E-07	7.65E-08	7.61E-08	1.15E-06
561	489357.08	3861015.81	7.66E-03	7.68E-03	8.00E-03	2.65E-06	8.01E-06	4.64E-06	4.64E-06	4.21E-06	1.92E-06	2.00E-06	0.00E+00	0.00E+00	8.53E-07	1.57E-07	1.00E-06	1.54E-07	1.55E-07	2.32E-06
562	489407.08	3861015.81	7.63E-03	7.65E-03	7.97E-03	2.64E-06	7.97E-06	4.62E-06	4.62E-06	4.20E-06	1.92E-06	1.99E-06	0.00E+00	0.00E+00	8.49E-07	1.57E-07	9.97E-07	1.54E-07	1.54E-07	2.31E-06
563	489457.08	3861015.81	7.61E-03	7.63E-03	7.95E-03	2.63E-06	7.95E-06	4.60E-06	4.60E-06	4.19E-06	1.91E-06	1.99E-06	0.00E+00	0.00E+00	8.47E-07	1.56E-07	9.95E-07	1.53E-07	1.54E-07	2.31E-06
564	489357.08	3861065.81	7.03E-03	7.05E-03	7.33E-03	2.43E-06	7.34E-06	4.25E-06	4.25E-06	3.87E-06	1.76E-06	1.84E-06	0.00E+00	0.00E+00	7.82E-07	1.44E-07	9.18E-07	1.42E-07	1.42E-07	2.13E-06
565	489407.08	3861065.81	7.00E-03	7.02E-03	7.31E-03	2.42E-06	7.32E-06	4.24E-06	4.24E-06	3.85E-06	1.76E-06	1.83E-06	0.00E+00	0.00E+00	7.79E-07	1.44E-07	9.15E-07	1.41E-07	1.42E-07	2.12E-06
566	489457.08	3861065.81	6.99E-03	7.01E-03	7.30E-03	2.42E-06	7.31E-06	4.23E-06	4.23E-06	3.85E-06	1.76E-06	1.83E-06	0.00E+00	0.00E+00	7.78E-07	1.44E-07	9.14E-07	1.41E-07	1.41E-07	2.12E-06
567	489357.08	3861115.81	6.48E-03	6.50E-03	6.75E-03	2.24E-06	6.77E-06	3.92E-06	3.92E-06	3.56E-06	1.63E-06	1.69E-06	0.00E+00	0.00E+00	7.21E-07	1.33E-07	8.47E-07	1.31E-07	1.31E-07	1.96E-06
568	489407.08	3861115.81	6.47E-03	6.50E-03	6.75E-03	2.24E-06	6.77E-06	3.92E-06	3.92E-06	3.56E-06	1.63E-06	1.69E-06	0.00E+00	0.00E+00	7.21E-07	1.33E-07	8.47E-07	1.31E-07	1.31E-07	1.96E-06
569	489457.08	3861115.81	6.47E-03	6.49E-03	6.75E-03	2.24E-06	6.76E-06	3.92E-06	3.92E-06	3.56E-06	1.63E-06	1.69E-06	0.00E+00	0.00E+00	7.20E-07	1.33E-07	8.46E-07	1.31E-07	1.31E-07	1.96E-06
570	489407.08	3861165.81	6.01E-03	6.04E-03	6.27E-03	2.08E-06	6.29E-06	3.64E-06	3.64E-06	3.31E-06	1.51E-06	1.57E-06	0.00E+00	0.00E+00	6.69E-07	1.24E-07	7.87E-07	1.21E-07	1.21E-07	1.82E-06
571	489457.08	3861165.81	6.00E-03	6.03E-03	6.26E-03	2.08E-06	6.28E-06	3.63E-06	3.63E-06	3.31E-06	1.51E-06	1.57E-06	0.00E+00	0.00E+00	6.68E-07	1.23E-07	7.85E-07	1.21E-07	1.21E-07	1.82E-06
572	489407.08	3861215.81	5.57E-03	5.59E-03	5.80E-03	1.93E-06	5.82E-06	3.37E-06	3.37E-06	3.07E-06	1.40E-06	1.45E-06	0.00E+00	0.00E+00	6.20E-07	1.14E-07	7.29E-07	1.12E-07	1.12E-07	1.69E-06
573	489457.08	3861215.81	5.57E-03	5.59E-03	5.80E-03	1.93E-06	5.82E-06	3.37E-06	3.37E-06	3.07E-06	1.40E-06	1.45E-06	0.00E+00	0.00E+00	6.20E-07	1.14E-07	7.29E-07	1.12E-07	1.12E-07	1.69E-06
574	489407.08	3861265.81	5.18E-03	5.20E-03	5.39E-03	1.79E-06	5.41E-06	3.13E-06	3.13E-06	2.85E-06	1.30E-06	1.35E-06	0.00E+00	0.00E+00	5.76E-07	1.06E-07	6.77E-07	1.04E-07	1.04E-07	1.57E-06
575	489457.08	3861265.81	5.19E-03	5.21E-03	5.40E-03	1.80E-06	5.42E-06	3.14E-06	3.14E-06	2.86E-06	1.30E-06	1.35E-06	0.00E+00	0.00E+00	5.77E-07	1.07E-07	6.79E-07	1.05E-07	1.05E-07	1.57E-06
576	489309.86	3861110.14	6.53E-03	6.55E-03	6.81E-03	2.26E-06	6.82E-06	3.95E-06	3.95E-06	3.59E-06	1.64E-06	1.70E-06	0.00E+00	0.00E+00	7.26E-07	1.34E-07	8.53E-07	1.32E-07	1.32E-07	1.98E-06
577	489407.08	3861315.81	4.86E-03	4.88E-03	5.06E-03	1.68E-06	5.08E-06	2.94E-06	2.94E-06	2.68E-06	1.22E-06	1.27E-06	0.00E+00	0.00E+00	5.41E-07	9.98E-08	6.36E-07	9.81E-08	9.80E-08	1.47E-06
578	489457.08	3861315.81	4.87E-03	4.89E-03	5.07E-03	1.69E-06	5.09E-06	2.95E-06	2.95E-06	2.68E-06	1.22E-06	1.27E-06	0.00E+00	0.00E+00	5.42E-07	1.00E-07	6.38E-07	9.83E-08	9.82E-08	1.48E-06
579	488906.03	3861006.75	7.87E-03	7.89E-03	8.22E-03	2.72E-06	8.22E-06	4.76E-06	4.76E-06	4.33E-06	1.97E-06	2.06E-06	0.00E+00	0.00E+00	8.76E-07	1.62E-07	1.03E-06	1.59E-07	1.59E-07	2.38E-06
580	488956.03	3861006.75	7.91E-03	7.93E-03	8.26E-03	2.74E-06	8.26E-06	4.78E-06	4.78E-06	4.35E-06	1.98E-06	2.07E-06	0.00E+00	0.00E+00	8.80E-07	1.62E-07	1.03E-06	1.59E-07	1.60E-07	2.40E-06
581	488904.24	3861051.87	7.26E-03	7.29E-03	7.59E-03	2.51E-06	7.59E-06	4.40E-06	4.40E-06	4.00E-06	1.82E-06	1.90E-06	0.00E+00	0.00E+00	8.09E-07	1.49E-07	9.50E-07	1.46E-07	1.47E-07	2.20E-06
582	488954.24	3861051.87	7.28E-03	7.30E-03	7.60E-03	2.52E-06	7.60E-06	4.40E-06	4.40E-06	4.00E-06	1.83E-06	1.90E-06	0.00E+00	0.00E+00	8.10E-07	1.49E-07	9.51E-07	1.47E-07	1.47E-07	2.20E-06
583	489004.24	3861051.87	7.30E-03	7.32E-03	7.62E-03	2.53E-06	7.63E-06	4.41E-06	4.41E-06	4.01E-06	1.83E-06	1.91E-06	0.00E+00	0.00E+00	8.12E-07	1.50E-07	9.54E-07	1.47E-07	1.48E-07	2.21E-06
584	488804.24	3861101.87	6.60E-03	6.62E-03	6.89E-03	2.28E-06	6.90E-06	3.99E-06	3.99E-06	3.63E-06	1.66E-06	1.72E-06	0.00E+00	0.00E+00	7.35E-07	1.36E-07	8.63E-07	1.33E-07	1.33E-07	2.00E-06
585	488854.24	3861101.87	6.63E-03	6.65E-03	6.92E-03	2.29E-06	6.93E-06	4.01E-06	4.01E-06	3.65E-06	1.66E-06	1.73E-06	0.00E+00	0.00E+00	7.38E-07	1.36E-07	8.67E-07	1.34E-07	1.34E-07	2.01E-06
586	488904.24	3861101.87	6.58E-03	6.60E-03	6.87E-03	2.28E-06	6.88E-06	3.98E-06	3.98E-06	3.62E-06	1.65E-06	1.72E-06	0.00E+00	0.00E+00	7.32E-07	1.35E-07	8.60E-07	1.33E-07	1.33E-07	1.99E-06
587	488954.24	3861101.87	6.57E-03	6.59E-03	6.85E-03	2.27E-06	6.86E-06	3.97E-06	3.97E-06	3.61E-06	1.65E-06	1.71E-06	0.00E+00	0.00E+00	7.31E-07	1.35E-07	8.58E-07	1.32E-07	1.33E-07	1.99E-06
588	489004.24	3861101.87	6.58E-03	6.60E-03	6.87E-03	2.28E-06	6.88E-06	3.98E-06	3.98E-06	3.62E-06	1.65E-06	1.72E-06	0.00E+00	0.00E+00	7.33E-07	1.35E-07	8.61E-07	1.33E-07	1.33E-07	1.99E-06
589	488804.24	3861151.87	5.97E-03	6.00E-03	6.23E-03	2.07E-06	6.24E-06	3.62E-06	3.62E-06	3.29E-06	1.50E-06	1.56E-06	0.00E+00	0.00E+00	6.65E-07	1.23E-07	7.81E-07	1.20E-07	1.21E-07	1.81E-06
590	488854.24	3861151.87	5.97E-03	5.99E-03	6.23E-03	2.07E-06	6.24E-06	3.61E-06	3.61E-06	3.29E-06	1.50E-06	1.56E-06	0.00E+00	0.00E+00	6.65E-07	1.23E-07	7.81E-07	1.20E-07	1.21E-07	1.81E-06
591	489129.49	3861187.55	5.72E-03	5.74E-03	5.96E-03	1.98E-06	5.98E-06	3.46E-06	3.46E-06	3.15E-06	1.44E-06	1.49E-06	0.00E+00	0.00E+00	6.37E-07	1.17E-07	7.48E-07	1.15E-07	1.16E-07	1.73E-06
592	489179.49	3861187.55	5.73E-03	5.75E-03	5.97E-03	1.98E-06	5.99E-06	3.47E-06	3.47E-06	3.15E-06	1.44E-06	1.49E-06	0.00E+00	0.00E+00	6.38E-07	1.18E-07	7.49E-07	1.16E-07	1.16E-07	1.74E-06
593	488804.24	3861201.87	5.54E-03	5.56E-03	5.78E-03	1.92E-06	5.79E-06	3.35E-06	3.35E-06	3.05E-06	1.39E-06	1.45E-06	0.00E+00	0.00E+00	6.17E-07	1.14E-07	7.25E-07	1.12E-07	1.12E-07	1.68E-06
594	488854.24	3861201.87	5.52E-03	5.54E-03	5.75E-03	1.91E-06	5.77E-06	3.34E-06	3.34E-06	3.04E-06	1.39E-06	1.44E-06	0.00E+00	0.00E+00	6.14E-07	1.13E-07	7.22E-07	1.11E-07	1.11E-07	1.67E-06
595	489129.49	3861237.55	5.34E-03	5.37E-03	5.57E-03	1.85E-06	5.59E-06	3.23E-06	3.23E-06	2.94E-06	1.34E-06	1.39E-06	0.00E+00	0.00E+00	5.95E-07	1.10E-07	6.99E-07	1.08E-07	1.08E-07	1.62E-06
596	489179.49	3861237.55	5.34E-03	5.36E-03	5.56E-03	1.85E-06	5.58E-06	3.23E-06	3.23E-06	2.94E-06	1.34E-06	1.39E-06	0.00E+00	0.00E+00	5.94E-07	1.10E-07	6.98E-07	1.08E-07	1.08E-07	1.62E-06
597	488804.24	3861251.87	5.18E-03	5.20E-03	5.39E-03	1.79E-06	5.41E-06	3.13E-06	3.13E-06	2.85E-06	1.30E-06	1.35E-06	0.00E+00	0.00E+00	5.76E-07	1.06E-07	6.77E-07	1.04E-07	1.04E-07	1.57E-06
598	488854.24	3861251.87	5.15E-03	5.17E-03	5.36E-03	1.78E-06	5.38E-06	3.12E-06	3.12E-06	2.84E-06	1.29E-06	1.34E-06	0.00E+00	0.00E+00	5.73E-07	1.06E-07	6.74E-07	1.04E-07	1.04E-07	1.56E-06
599	488804.24	3861301.87	4.84E-03	4.86E-03	5.03E-03	1.67E-06	5.06E-06	2.93E-06	2.93E-06	2.66E-06	1.22E-06	1.26E-06	0.00E+00	0.00E+00	5.38E-07	9.93E-08	6.33E-07	9.76E-08	9.75E-08	1.47E-06
600	488854.24	3861301.87	4.83E-03	4.85E-03	5.02E-03	1.67E-06	5.04E-06	2.92E-06	2.92E-06	2.66E-06	1.21E-06	1.26E-06	0.00E+00	0.00E+00	5.37E-07	9.91E-08	6.32E-07	9.74E-08	9.73E-08	1.46E-06
601	490943.5	3860181.97	1.14E-02	1.14E-02	1.19E-02	3.94E-06	1.19E-05	6.88E-06	6.88E-06	6.26E-06	2.86E-06	2.98E-06	0.00E+00	0.00E+00	1.27E-06	2.34E-07	1.49E-06	2.29E-07	2.30E-07	3.45E-06
602	490993.5	3860181.97	1.11E-02	1.12E-02	1.16E-02	3.86E-06	1.16E-05	6.74E-06	6.74E-06	6.13E-06	2.80E-06	2.91E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.46E-06	2.25E-07	2.26E-07	3.38E-06
603	491043.5	3860181.97	1.09E-02	1.10E-02	1.14E-02	3.78E-06	1.14E-05	6.61E-06	6.61E-06	6.01E-06	2.74E-06	2.86E-06	0.00E+00	0.00E+00	1.22E-06	2.24E-07	1.43E-06	2.20E-07	2.21E-07	3.31E-06
604	491093.5	3860181.97	1.07E-02	1.07E-02	1.12E-02	3.70E-06	1.12E-05	6.47E-06	6.47E-06	5.89E-06	2.69E-06	2.80E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.40E-06	2.16E-07	2.17E-07	3.24E-06
605	490943.5	3860231.97	1.12E-02	1.12E-02	1.17E-02	3.86E-06	1.17E-05	6.75E-06	6.75E-06	6.14E-06	2.80E-06	2.92E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.46E-06	2.25E-07	2.26E-07	3.38E-06
606	490993.5	3860231.97	1.09E-02	1.10E-02	1.14E-02	3.79E-06	1.14E-05	6.62E-06	6.62E-06	6.02E-06	2.75E-06	2.86E-06	0.00E+00	0.00E+00	1.22E-06	2.25E-07	1.43E-06	2.20E-07	2.21E-07	3.31E-06
607	491043.5	3860231.97	1.07E-02	1.07E-02	1.12E-02	3.71E-06	1.12E-05	6.48E-06	6.48E-06	5.89E-06	2.69E-06	2.80E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.40E-06	2.16E-07	2.17E-07	3.25E-06
608	491093.5	3860231.97	1.05E-02	1.05E-02	1.10E-02	3.63E-06	1.10E-05	6.35E-06	6.35E-06	5.77E-06	2.63E-06	2.74E-06	0.00E+00	0.00E+00	1.17E-06	2.15E-07	1.37E-06	2.11E-07	2.12E-07	3.18E-06
609	490943.5	3860281.97	1.09E-02	1.09E-02	1.14E-02	3.78E-06	1.14E-05	6.60E-06	6.60E-06	6.00E-06	2.74E-06	2.85E-06	0.00E+00	0.00E+00	1.21E-06	2.24E-07	1.43E-06	2.20E-07	2.21E-07	3.31E-06
610	490993.5	3860281.97	1.07E-02	1.07E-02	1.12E-02	3.70E-06	1.12E-05	6.47E-06	6.47E-06	5.88E-06	2.68E-06	2.80E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.40E-06	2.16E-07	2.17E-07	3.24E-06
611	491043.5	3860281.97	1.05E-02	1.05E-02	1.09E-02	3.63E-06	1.10E-05	6.34E-06	6.34E-06	5.76E-06	2.63E-06	2.74E-06	0.00E+00	0.00E+00	1.17E-06	2.15E-07	1.37E-06	2.11E-07	2.12E-07	3.17E-06
612	491093.5	3860281.97	1.03E-02	1.03E-02	1.07E-02	3.55E-06	1.07E-05	6.21E-06	6.21E-06	5.65E-06	2.58E-06	2.68E-06	0.00E+00	0.00E+00	1.14E-06	2.11E-07	1.34E-06	2.07E-07	2.08E-07	3.11E-06
613	490943.5	3860331.97	1.06E-02	1.07E-02	1.11E-02	3.68E-06	1.11E-05	6.44E-06	6.44E-06	5.85E-06	2.67E-06	2.78E-06	0.00E+00	0.00E+00	1.18E-06	2.19E-07	1.39E-06	2.14E-07	2.15E-07	3.22E-06
614	490993.5	3860331.97	1.04E-02	1.05E-02	1.09E-02	3.61E-06	1.09E-05	6.31E-06	6.31E-06	5.73E-06	2.62E-06	2.72E-06	0.00E+00	0.00E+00	1.16E-06	2.14E-07	1.36E-06	2.10E-07	2.11E-07	3.16E-06
615	491043.5	3860331.97	1.02E-02	1.02E-02	1.07E-02	3.54E-06	1.07E-05	6.18E-06	6.18E-06	5.62E-06	2.56E-06	2.67E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.33E-06	2.06E-07	2.07E-07	3.09E-06
616	491093.5	3860331.97	1.00E-02	1.00E-02	1.05E-02	3.47E-06	1.05E-05	6.06E-06	6.06E-06	5.51E-06	2.51E-06	2.62E-06	0.00E+00	0.00E+00	1.11E-06	2.06E-07	1.31E-06	2.02E-07	2.03E-07	3.03E-06
617	490086.72	3859935.12	1.74E-02	1.74E-02	1.82E-02	6.02E-06	1.82E-05	1.05E-05	1.05E-05	9.57E-06	4.36E-06	4.56E-06	0.00E+00	0.00E+00	1.94E-06	3.57E-07	2.27E-06	3.51E-07	3.53E-07	5.27E-06
618	490136.72	3859935.12	1.70E-02	1.71E-02	1.78E-02	5.89E-06	1.78E-05	1.03E-05	1.03E-05	9.36E-06	4.27E-06	4.46E-06	0.00E+00	0.00E+00	1.89E-06	3.50E-07	2.22E-06	3.43E-07	3.45E-07	5.16E-06
619	490186.72	3859935.12	1.66E-02	1.67E-02	1.74E-02	5.76E-06	1.74E-05	1.01E-05	1.01E-05	9.15E-06	4.18E-06	4.36E-06	0.00E+00	0.00E+00	1.85E-06	3.42E-07	2.17E-06	3.35E-07	3.38E-07	5.04E-06
620	490236.72	3859935.12	1.63E-02	1.63E-02	1.70E-02	5.64E-06	1.70E-05	9.85E-06	9.85E-06	8.95E-06	4.09E-06	4.27E-06	0.00E+00	0.00E+00	1.81E-06	3.34E-07	2.13E-06	3.28E-07	3.30E-07	4.93E-06
621	490286.72	3859935.12	1.59E-02	1.60E-02	1.67E-02	5.52E-06	1.67E-05	9.64E-06	9.64E-06	8.76E-06	4.00E-06	4.17E-06	0.00E+00	0.00E+00	1.77E-06	3.27E-07	2.08E-06	3.21E-07	3.23E-07	4.83E-06
622	490336.72	3859935.12	1.56E-02	1.56E-02	1.63E-02	5.40E-06	1.63E-05	9.44E-06	9.44E-06	8.57E-06	3.91E-06	4.08E-06	0.00E+00	0.00E+00	1.74E-06	3.20E-07	2.04E-06	3.14E-07	3.16E-07	4.72E-06
623	490386.72	3859935.12	1.53E-02	1.53E-02	1.60E-02	5.28E-06	1.59E-05	9.23E-06	9.23E-06	8.39E-06	3.83E-06	4.00E-06	0.00E+00	0.00E+00	1.70E-06	3.13E-07	1.99E-06	3.07E-07	3.09E-07	4.62E-06

624	490436.72	3859935.12	1.49E-02	1.50E-02	1.56E-02	5.17E-06	1.56E-05	9.04E-06	9.04E-06	8.21E-06	3.75E-06	3.91E-06	0.00E+00	0.00E+00	1.66E-06	3.07E-07	1.95E-06	3.01E-07	3.03E-07	4.52E-06
625	490486.72	3859935.12	1.46E-02	1.47E-02	1.53E-02	5.06E-06	1.53E-05	8.85E-06	8.85E-06	8.04E-06	3.67E-06	3.83E-06	0.00E+00	0.00E+00	1.63E-06	3.00E-07	1.91E-06	2.95E-07	2.96E-07	4.43E-06
626	490536.72	3859935.12	1.43E-02	1.43E-02	1.50E-02	4.95E-06	1.50E-05	8.66E-06	8.66E-06	7.87E-06	3.59E-06	3.74E-06	0.00E+00	0.00E+00	1.59E-06	2.94E-07	1.87E-06	2.88E-07	2.90E-07	4.33E-06
627	490586.72	3859935.12	1.40E-02	1.40E-02	1.46E-02	4.85E-06	1.46E-05	8.47E-06	8.47E-06	7.70E-06	3.51E-06	3.66E-06	0.00E+00	0.00E+00	1.56E-06	2.87E-07	1.83E-06	2.82E-07	2.84E-07	4.24E-06
628	490636.72	3859935.12	1.37E-02	1.37E-02	1.43E-02	4.74E-06	1.43E-05	8.29E-06	8.29E-06	7.54E-06	3.44E-06	3.59E-06	0.00E+00	0.00E+00	1.53E-06	2.81E-07	1.79E-06	2.76E-07	2.78E-07	4.15E-06
629	490686.72	3859935.12	1.34E-02	1.34E-02	1.40E-02	4.63E-06	1.40E-05	8.10E-06	8.10E-06	7.36E-06	3.36E-06	3.50E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.75E-06	2.70E-07	2.71E-07	4.05E-06
630	490736.72	3859935.12	1.31E-02	1.31E-02	1.37E-02	4.53E-06	1.37E-05	7.92E-06	7.92E-06	7.20E-06	3.29E-06	3.42E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.71E-06	2.64E-07	2.65E-07	3.97E-06
631	490086.72	3859985.12	1.74E-02	1.74E-02	1.82E-02	6.02E-06	1.82E-05	1.05E-05	1.05E-05	9.56E-06	4.36E-06	4.56E-06	0.00E+00	0.00E+00	1.94E-06	3.57E-07	2.27E-06	3.50E-07	3.53E-07	5.27E-06
632	490136.72	3859985.12	1.70E-02	1.70E-02	1.78E-02	5.89E-06	1.78E-05	1.03E-05	1.03E-05	9.35E-06	4.27E-06	4.46E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.22E-06	3.43E-07	3.45E-07	5.15E-06
633	490186.72	3859985.12	1.66E-02	1.67E-02	1.74E-02	5.75E-06	1.74E-05	1.01E-05	1.01E-05	9.13E-06	4.17E-06	4.35E-06	0.00E+00	0.00E+00	1.85E-06	3.41E-07	2.17E-06	3.35E-07	3.37E-07	5.03E-06
634	490236.72	3859985.12	1.62E-02	1.63E-02	1.70E-02	5.62E-06	1.70E-05	9.82E-06	9.82E-06	8.93E-06	4.07E-06	4.25E-06	0.00E+00	0.00E+00	1.81E-06	3.33E-07	2.12E-06	3.27E-07	3.29E-07	4.92E-06
635	490286.72	3859985.12	1.59E-02	1.59E-02	1.66E-02	5.50E-06	1.66E-05	9.61E-06	9.61E-06	8.73E-06	3.98E-06	4.16E-06	0.00E+00	0.00E+00	1.77E-06	3.26E-07	2.07E-06	3.20E-07	3.22E-07	4.81E-06
636	490336.72	3859985.12	1.55E-02	1.56E-02	1.62E-02	5.38E-06	1.62E-05	9.40E-06	9.40E-06	8.54E-06	3.90E-06	4.07E-06	0.00E+00	0.00E+00	1.73E-06	3.19E-07	2.03E-06	3.13E-07	3.15E-07	4.70E-06
637	490386.72	3859985.12	1.52E-02	1.52E-02	1.59E-02	5.26E-06	1.59E-05	9.19E-06	9.19E-06	8.35E-06	3.81E-06	3.98E-06	0.00E+00	0.00E+00	1.69E-06	3.12E-07	1.98E-06	3.06E-07	3.08E-07	4.60E-06
638	490436.72	3859985.12	1.49E-02	1.49E-02	1.55E-02	5.14E-06	1.55E-05	8.99E-06	8.99E-06	8.17E-06	3.73E-06	3.89E-06	0.00E+00	0.00E+00	1.65E-06	3.05E-07	1.94E-06	2.99E-07	3.01E-07	4.50E-06
639	490486.72	3859985.12	1.45E-02	1.46E-02	1.52E-02	5.03E-06	1.52E-05	8.80E-06	8.80E-06	7.99E-06	3.65E-06	3.81E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	1.90E-06	2.93E-07	2.95E-07	4.40E-06
640	490536.72	3859985.12	1.42E-02	1.43E-02	1.49E-02	4.92E-06	1.49E-05	8.61E-06	8.61E-06	7.82E-06	3.57E-06	3.72E-06	0.00E+00	0.00E+00	1.58E-06	2.92E-07	1.86E-06	2.87E-07	2.88E-07	4.31E-06
641	490586.72	3859985.12	1.39E-02	1.40E-02	1.46E-02	4.82E-06	1.45E-05	8.42E-06	8.42E-06	7.65E-06	3.49E-06	3.64E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.82E-06	2.80E-07	2.82E-07	4.22E-06
642	490636.72	3859985.12	1.36E-02	1.37E-02	1.42E-02	4.71E-06	1.42E-05	8.24E-06	8.24E-06	7.49E-06	3.42E-06	3.56E-06	0.00E+00	0.00E+00	1.52E-06	2.80E-07	1.78E-06	2.74E-07	2.76E-07	4.12E-06
643	490686.72	3859985.12	1.33E-02	1.33E-02	1.39E-02	4.60E-06	1.39E-05	8.05E-06	8.05E-06	7.31E-06	3.34E-06	3.48E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.74E-06	2.68E-07	2.69E-07	4.03E-06
644	490736.72	3859985.12	1.30E-02	1.31E-02	1.36E-02	4.51E-06	1.36E-05	7.88E-06	7.88E-06	7.16E-06	3.27E-06	3.41E-06	0.00E+00	0.00E+00	1.45E-06	2.67E-07	1.70E-06	2.62E-07	2.64E-07	3.95E-06
645	490786.72	3859985.12	1.28E-02	1.28E-02	1.33E-02	4.42E-06	1.33E-05	7.72E-06	7.72E-06	7.02E-06	3.20E-06	3.34E-06	0.00E+00	0.00E+00	1.42E-06	2.62E-07	1.67E-06	2.57E-07	2.58E-07	3.87E-06
646	490086.72	3860035.12	1.74E-02	1.74E-02	1.82E-02	6.02E-06	1.82E-05	1.05E-05	1.05E-05	9.56E-06	4.36E-06	4.56E-06	0.00E+00	0.00E+00	1.94E-06	3.57E-07	2.27E-06	3.50E-07	3.53E-07	5.27E-06
647	490136.72	3860035.12	1.70E-02	1.70E-02	1.78E-02	5.88E-06	1.78E-05	1.03E-05	1.03E-05	9.34E-06	4.26E-06	4.45E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.22E-06	3.42E-07	3.45E-07	5.14E-06
648	490186.72	3860035.12	1.66E-02	1.66E-02	1.74E-02	5.74E-06	1.73E-05	1.00E-05	1.00E-05	9.11E-06	4.16E-06	4.34E-06	0.00E+00	0.00E+00	1.85E-06	3.41E-07	2.17E-06	3.34E-07	3.36E-07	5.02E-06
649	490236.72	3860035.12	1.62E-02	1.62E-02	1.69E-02	5.60E-06	1.69E-05	9.80E-06	9.80E-06	8.90E-06	4.06E-06	4.24E-06	0.00E+00	0.00E+00	1.80E-06	3.32E-07	2.11E-06	3.26E-07	3.28E-07	4.90E-06
650	490286.72	3860035.12	1.58E-02	1.59E-02	1.66E-02	5.47E-06	1.65E-05	9.57E-06	9.57E-06	8.69E-06	3.97E-06	4.14E-06	0.00E+00	0.00E+00	1.76E-06	3.25E-07	2.07E-06	3.19E-07	3.21E-07	4.79E-06
651	490336.72	3860035.12	1.54E-02	1.55E-02	1.62E-02	5.35E-06	1.61E-05	9.35E-06	9.35E-06	8.49E-06	3.88E-06	4.05E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.02E-06	3.11E-07	3.13E-07	4.68E-06
652	490386.72	3860035.12	1.51E-02	1.51E-02	1.58E-02	5.23E-06	1.58E-05	9.14E-06	9.14E-06	8.30E-06	3.79E-06	3.96E-06	0.00E+00	0.00E+00	1.68E-06	3.10E-07	1.97E-06	3.04E-07	3.06E-07	4.57E-06
653	490436.72	3860035.12	1.48E-02	1.48E-02	1.54E-02	5.11E-06	1.54E-05	8.93E-06	8.93E-06	8.12E-06	3.70E-06	3.87E-06	0.00E+00	0.00E+00	1.64E-06	3.03E-07	1.93E-06	2.97E-07	2.99E-07	4.47E-06
654	490486.72	3860035.12	1.44E-02	1.45E-02	1.51E-02	5.00E-06	1.51E-05	8.74E-06	8.74E-06	7.94E-06	3.62E-06	3.78E-06	0.00E+00	0.00E+00	1.61E-06	2.97E-07	1.89E-06	2.91E-07	2.93E-07	4.37E-06
655	490536.72	3860035.12	1.41E-02	1.42E-02	1.48E-02	4.89E-06	1.48E-05	8.54E-06	8.54E-06	7.76E-06	3.54E-06	3.70E-06	0.00E+00	0.00E+00	1.57E-06	2.90E-07	1.84E-06	2.84E-07	2.86E-07	4.28E-06
656	490586.72	3860035.12	1.38E-02	1.38E-02	1.44E-02	4.78E-06	1.44E-05	8.36E-06	8.36E-06	7.59E-06	3.46E-06	3.61E-06	0.00E+00	0.00E+00	1.54E-06	2.84E-07	1.80E-06	2.78E-07	2.80E-07	4.18E-06
657	490636.72	3860035.12	1.35E-02	1.35E-02	1.41E-02	4.68E-06	1.41E-05	8.18E-06	8.18E-06	7.43E-06	3.39E-06	3.54E-06	0.00E+00	0.00E+00	1.50E-06	2.78E-07	1.77E-06	2.72E-07	2.74E-07	4.09E-06
658	490686.72	3860035.12	1.32E-02	1.33E-02	1.38E-02	4.58E-06	1.38E-05	8.00E-06	8.00E-06	7.27E-06	3.32E-06	3.46E-06	0.00E+00	0.00E+00	1.47E-06	2.72E-07	1.73E-06	2.66E-07	2.68E-07	4.01E-06
659	490736.72	3860035.12	1.29E-02	1.30E-02	1.35E-02	4.48E-06	1.35E-05	7.83E-06	7.83E-06	7.11E-06	3.25E-06	3.38E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.69E-06	2.61E-07	2.62E-07	3.92E-06
660	490786.72	3860035.12	1.27E-02	1.27E-02	1.32E-02	4.38E-06	1.32E-05	7.66E-06	7.66E-06	6.97E-06	3.18E-06	3.31E-06	0.00E+00	0.00E+00	1.41E-06	2.60E-07	1.66E-06	2.55E-07	2.57E-07	3.84E-06
661	490836.72	3860035.12	1.24E-02	1.24E-02	1.30E-02	4.30E-06	1.30E-05	7.51E-06	7.51E-06	6.83E-06	3.11E-06	3.25E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.62E-06	2.50E-07	2.51E-07	3.76E-06
662	490086.72	3860085.12	1.73E-02	1.74E-02	1.81E-02	6.00E-06	1.81E-05	1.05E-05	1.05E-05	9.52E-06	4.34E-06	4.54E-06	0.00E+00	0.00E+00	1.93E-06	3.56E-07	2.26E-06	3.49E-07	3.52E-07	5.25E-06
663	490136.72	3860085.12	1.69E-02	1.70E-02	1.77E-02	5.87E-06	1.77E-05	1.03E-05	1.03E-05	9.31E-06	4.25E-06	4.44E-06	0.00E+00	0.00E+00	1.89E-06	3.48E-07	2.21E-06	3.41E-07	3.44E-07	5.13E-06
664	490186.72	3860085.12	1.65E-02	1.66E-02	1.73E-02	5.72E-06	1.73E-05	9.99E-06	9.99E-06	9.08E-06	4.14E-06	4.33E-06	0.00E+00	0.00E+00	1.84E-06	3.39E-07	2.16E-06	3.33E-07	3.35E-07	5.00E-06
665	490236.72	3860085.12	1.61E-02	1.61E-02	1.69E-02	5.58E-06	1.68E-05	9.75E-06	9.75E-06	8.86E-06	4.04E-06	4.22E-06	0.00E+00	0.00E+00	1.79E-06	3.31E-07	2.10E-06	3.25E-07	3.27E-07	4.88E-06
666	490286.72	3860085.12	1.57E-02	1.58E-02	1.65E-02	5.44E-06	1.64E-05	9.51E-06	9.51E-06	8.64E-06	3.94E-06	4.12E-06	0.00E+00	0.00E+00	1.75E-06	3.23E-07	2.05E-06	3.17E-07	3.19E-07	4.76E-06
667	490336.72	3860085.12	1.54E-02	1.54E-02	1.61E-02	5.31E-06	1.60E-05	9.29E-06	9.29E-06	8.44E-06	3.85E-06	4.02E-06	0.00E+00	0.00E+00	1.71E-06	3.15E-07	2.01E-06	3.09E-07	3.11E-07	4.65E-06
668	490386.72	3860085.12	1.50E-02	1.50E-02	1.57E-02	5.19E-06	1.57E-05	9.07E-06	9.07E-06	8.24E-06	3.76E-06	3.93E-06	0.00E+00	0.00E+00	1.67E-06	3.08E-07	1.96E-06	3.02E-07	3.04E-07	4.54E-06
669	490436.72	3860085.12	1.46E-02	1.47E-02	1.53E-02	5.07E-06	1.53E-05	8.86E-06	8.86E-06	8.05E-06	3.67E-06	3.84E-06	0.00E+00	0.00E+00	1.63E-06	3.01E-07	1.91E-06	2.95E-07	2.97E-07	4.44E-06
670	490486.72	3860085.12	1.43E-02	1.43E-02	1.50E-02	4.95E-06	1.50E-05	8.66E-06	8.66E-06	7.87E-06	3.59E-06	3.75E-06	0.00E+00	0.00E+00	1.59E-06	2.94E-07	1.87E-06	2.88E-07	2.90E-07	4.34E-06
671	490536.72	3860085.12	1.40E-02	1.40E-02	1.46E-02	4.84E-06	1.46E-05	8.46E-06	8.46E-06	7.69E-06	3.51E-06	3.66E-06	0.00E+00	0.00E+00	1.56E-06	2.87E-07	1.83E-06	2.82E-07	2.84E-07	4.24E-06
672	490586.72	3860085.12	1.37E-02	1.37E-02	1.43E-02	4.73E-06	1.43E-05	8.27E-06	8.27E-06	7.52E-06	3.43E-06	3.58E-06	0.00E+00	0.00E+00	1.52E-06	2.81E-07	1.79E-06	2.76E-07	2.77E-07	4.14E-06
673	490636.72	3860085.12	1.34E-02	1.34E-02	1.40E-02	4.63E-06	1.40E-05	8.09E-06	8.09E-06	7.35E-06	3.36E-06	3.50E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.75E-06	2.69E-07	2.71E-07	4.05E-06
674	490686.72	3860085.12	1.31E-02	1.31E-02	1.37E-02	4.53E-06	1.37E-05	7.92E-06	7.92E-06	7.20E-06	3.28E-06	3.42E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.71E-06	2.64E-07	2.65E-07	3.96E-06
675	490736.72	3860085.12	1.28E-02	1.28E-02	1.34E-02	4.43E-06	1.34E-05	7.75E-06	7.75E-06	7.04E-06	3.21E-06	3.35E-06	0.00E+00	0.00E+00	1.43E-06	2.63E-07	1.67E-06	2.58E-07	2.59E-07	3.88E-06
676	490786.72	3860085.12	1.25E-02	1.26E-02	1.31E-02	4.34E-06	1.31E-05	7.58E-06	7.58E-06	6.89E-06	3.14E-06	3.28E-06	0.00E+00	0.00E+00	1.39E-06	2.57E-07	1.64E-06	2.52E-07	2.54E-07	3.80E-06
677	490836.72	3860085.12	1.23E-02	1.23E-02	1.28E-02	4.25E-06	1.28E-05	7.43E-06	7.43E-06	6.75E-06	3.08E-06	3.21E-06	0.00E+00	0.00E+00	1.37E-06	2.52E-07	1.60E-06	2.47E-07	2.49E-07	3.72E-06
678	490086.72	3860135.12	1.74E-02	1.74E-02	1.82E-02	6.01E-06	1.81E-05	1.05E-05	1.05E-05	9.54E-06	4.35E-06	4.55E-06	0.00E+00	0.00E+00	1.93E-06	3.57E-07	2.27E-06	3.50E-07	3.53E-07	5.26E-06
679	490136.72	3860135.12	1.69E-02	1.69E-02	1.77E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.28E-06	4.24E-06	4.43E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.21E-06	3.40E-07	3.43E-07	5.12E-06
680	490186.72	3860135.12	1.64E-02	1.65E-02	1.72E-02	5.69E-06	1.72E-05	9.95E-06	9.95E-06	9.03E-06	4.12E-06	4.31E-06	0.00E+00	0.00E+00	1.83E-06	3.38E-07	2.15E-06	3.31E-07	3.34E-07	4.98E-06
681	490236.72	3860135.12	1.60E-02	1.60E-02	1.68E-02	5.54E-06	1.67E-05	9.69E-06	9.69E-06	8.80E-06	4.02E-06	4.20E-06	0.00E+00	0.00E+00	1.78E-06	3.29E-07	2.09E-06	3.23E-07	3.25E-07	4.85E-06
682	490286.72	3860135.12	1.56E-02	1.56E-02	1.63E-02	5.40E-06	1.63E-05	9.44E-06	9.44E-06	8.58E-06	3.91E-06	4.09E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.04E-06	3.14E-07	3.17E-07	4.73E-06
683	490336.72	3860135.12	1.52E-02	1.53E-02	1.59E-02	5.27E-06	1.59E-05	9.21E-06	9.21E-06	8.37E-06	3.82E-06	3.99E-06	0.00E+00	0.00E+00	1.69E-06	3.13E-07	1.99E-06	3.07E-07	3.09E-07	4.61E-06
684	490386.72	3860135.12	1.49E-02	1.49E-02	1.55E-02	5.14E-06	1.55E-05	8.99E-06	8.99E-06	8.16E-06	3.73E-06	3.89E-06	0.00E+00	0.00E+00	1.65E-06	3.05E-07	1.94E-06	2.99E-07	3.01E-07	4.50E-06
685	490436.72	3860135.12	1.45E-02	1.45E-02	1.52E-02	5.02E-06	1.52E-05	8.77E-06	8.77E-06	7.97E-06	3.64E-06	3.80E-06	0.00E+00	0.00E+00	1.61E-06	2.98E-07	1.89E-06	2.92E-07	2.94E-07	4.39E-06
686	490486.72	3860135.12	1.42E-02	1.42E-02	1.48E-02	4.90E-06	1.48E-05	8.56E-06	8.56E-06	7.78E-06	3.55E-06	3.71E-06	0.00E+00	0.00E+00	1.58E-06	2.91E-07	1.85E-06	2.85E-07	2.87E-07	4.29E-06
687	490536.72	3860135.12	1.38E-02	1.39E-02	1.45E-02	4.79E-06	1.44E-05	8.36E-06	8.36E-06	7.60E-06	3.47E-06	3.62E-06	0.00E+00	0.00E+00	1.54E-06	2.84E-07	1.81E-06	2.79E-07	2.80E-07	4.19E-06
688	490586.72	3860135.12	1.35E-02	1.35E-02	1.41E-02	4.68E-06	1.41E-05	8.17E-06	8.17E-06	7.43E-06	3.39E-06	3.54E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.76E-06	2.72E-07	2.74E-07	4.09E-06
689	490636.72	3860135.12	1.32E-02	1.32E-02	1.38E-02	4.57E-06	1.38E-05	7.99E-06	7.99E-06	7.26E-06	3.31E-06	3.46E-06	0.00E+00	0.00E+00	1.47E-06	2.71E-07	1.73E-06	2.66E-07	2.68E-07	4.00E-06
690	490686.72	3860135.12	1.29E-02	1.29E-02	1.35E-02	4.47E-06	1.35E-05	7.81E-06	7.81E-06	7.10E-06	3.24E-06	3.38E-06	0.00E+00	0.00E+00	1.44E-06	2.65E-07	1.69E-06	2.60E-07	2.62E-07	3.91E-06
691	490736.72	3860135.12	1.26E-02	1.27E-02	1.32E-02	4.37E-06	1.32E-05	7.64E-06	7.64E-06	6.95E-06	3.17E-06	3.31E-06	0.00E+00	0.00E+00	1.41E-06	2.59E-07	1.65E-06	2.55E-07	2.56E-07	3.83E-06
692	490786.72	3860135.12	1.24E-02	1.24E-02	1.29E-02	4.28E-06	1.29E-05	7.48E-06	7.48E-06	6.80E-06	3.10E-06	3.24E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.62E-06	2.49E-07	2.51E-07	3.75E-06
693	490836.72	3860135.12	1.21E-02	1.21E-02	1.27E-02	4.19E-06	1.27E-05	7.32E-06	7.32E-06	6.66E-06	3.04E-06	3.17E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.58E-06	2.44E-07	2.45E-07	3.67E-06
694	490086.72	3860185.12	1.73E-02	1.73E-02	1.81E-02	5.98E-06	1.81E-05	1.05E-05	1.05E-05	9.50E-06	4.34E-06	4.53E-06	0.00E+00	0.00E+00	1.92E-06	3.55E-07	2.26E-06	3.48E-07	3.51E-07	5.24E-06
695	490136.72	3860185.12	1.68E-02	1.68E-02	1.76E-02	5.81E-06	1.75E-05	1.02E-05	1.02E-05	9.22E-06	4.21E-06	4.40E-06	0.00E+00	0.00E+00	1.87E-06	3.45E-07	2.19E-06	3.38E-07	3.41E-07	5.08E-06
696	490186.72	3860185.12	1.63E-02	1.63E-02	1.71E-02	5.65E-06	1.70E-05	9.87E-06	9.87E-06	8.96E-06	4.09E-06	4.28E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.13E-06	3.28E-07	3.31E-07	4.94E-06
697	490236.72	3860185.12	1.59E-02	1.59E-02	1.66E-02	5.49E-06	1.66E-05	9.60E-06	9.60E-06	8.72E-06	3.98E-06	4.16E-06	0.00E+00	0.00E+00	1.77E-06	3.26E-07	2.07E-06	3.20E-07	3.22E-07	4.81E-06
698	490286.72	3860185.12	1.54E-02	1.55E-02	1.62E-02	5.35E-06	1.61E-05	9.35E-06	9.35E-06	8.49E-06	3.87E-06	4.05E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.02E-06	3.11E-07	3.13E-07	4.68E-06
699	490336.72	3860185.12	1.50E-02	1.51E-02	1.58E-02	5.21E-06	1.57E-05	9.11E-06	9.11E-06	8.27E-06	3.77E-06	3.94E-06	0.00E+00	0.00E+00	1.68E-06	3.09E-07	1.97E-06	3.03E-07	3.05E-07	4.56E-06
700	490386.72	3860185.12	1.47E-02	1.47E-02	1.54E-02	5.08E-06	1.53E-05	8.88E-06	8.88E-06	8.06E-06	3.68E-06	3.84E-06	0.00E+00	0.00E+00	1.63E-06	3.01E-07	1.92E-06	2.95E-07	2.98E-07	4.44E-06
701	490436.72	3860185.12	1.43E-02	1.43E-02	1.50E-02	4.95E-06	1.50E-05	8.66E-06	8.66E-06	7.87E-06	3.59E-06	3.75E-06	0.00E+00	0.00E+00	1.59E-06	2.94E-07	1.87E-06	2.88E-07	2.90E-07	4.33E-06
702	490486.72	3860185.12	1.40E-02	1.40E-02	1.46E-02	4.83E-06	1.46E-05	8.45E-06	8.45E-06	7.67E-06	3.50E-06	3.66E-06	0.00E+00	0.00E+00	1.55E-06	2.87E-07	1.82E-06	2.81E-07	2.83E-07	4.23E-06
703	490536.72	3860185.12	1.36E-02	1.37E-02	1.43E-02	4.72E-06	1.42E-05	8.24E-06	8.24E-06	7.49E-06	3.42E-06	3.57E-06	0.00E+00	0.00E+00	1.52E-06	2.80E-07	1.78E-06	2.74E-07	2.76E-07	4.13E-06
704	490586.72	3860185.12	1.33E-02	1.33E-02	1.39E-02	4.61E-06	1.39E-05	8.05E-06	8.05E-06	7.32E-06	3.34E-06	3.48E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.74E-06	2.68E-07	2.70E-07	4.03E-06
705	490636.72	3860185.12	1.30E-02	1.30E-02	1.36E-02	4.50E-06	1.36E-05	7.87E-06	7.87E-06	7.15E-06	3.26E-06	3.40E-06	0.00E+00	0.00E+00	1.45E-06	2.67E-07	1.70E-06	2.62E-07	2.63E-07	3.94E-06
706	490686.72	3860185.12	1.27E-02	1.27E-02	1.33E-02	4.40E-06	1.33E-05	7.69E-06	7.69E-06	6.99E-06	3.19E-06	3.33E-06	0.00E+00	0.00E+00	1.41E-06	2.61E-07	1.66E-06	2.56E-07	2.58E-07	3.85E-06
707	490736.72	3860185.12	1.24E-02	1.25E-02	1.30E-02	4.30E-06	1.30E-05	7.52E-06	7.52E-06	6.83E-06	3.12E-06	3.25E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.62E-06	2.50E-07	2.52E-07	3.76E-06
708	490786.72	3860185.12	1.22E-02	1.22E-02	1.27E-02	4.21E-06	1.27E-05	7.35E-06	7.35E-06	6.68E-06	3.05E-06	3.18E-06	0.00E+00	0.00E+00	1.35E-06	2.50E-07	1.59E-06	2.45E-07	2.46E-07	3.68E-06
709	490836.72	3860185.12	1.19E-02	1.19E-02	1.24E-02	4.12E-06	1.24E-05	7.20E-06	7.20E-06	6.54E-06	2.99E-06	3.11E-06	0.00E+00	0.00E+00	1.32E-06	2.44E-07	1.55E-06	2.40E-07	2.41E-07	3.60E-06
710	490086.72	3860235.12	1.71E-02	1.72E-02	1.80E-02	5.93E-06	1.79E-05	1.04E-05	1.04E-05	9.42E-06	4.30E-06	4.50E-06	0.00E+00	0.00E+00	1.91E-06	3.52E-07	2.24E-06	3.45E-07	3.48E-07	5.19E-06
711	490136.72	3860235.12	1.66E-02	1.66E-02	1.74E-02	5.75E-06	1.74E-05	1.01E-05	1.01E-05	9.13E-06	4.17E-06	4.36E-06	0.00E+00	0.00E+00	1.85E-06	3.41E-07	2.17E-06	3.35E-07	3.37E-07	5.03E-06
712	490186.72	3860235.12	1.61E-02	1.62E-02	1.69E-02	5.58E-06	1.69E-05	9.75E-06	9.75E-06	8.86E-06	4.04E-06	4.23E-06	0.00E+00	0.00E+00	1.79E-06	3.31E-07	2.11E-06	3.25E-07	3.27E-07	4.88E-06
713	490236.72	3860235.12	1.57E-02	1.57E-02	1.64E-02	5.42E-06	1.64E-05	9.48E-06	9.48E-06	8.61E-06	3.93E-06	4.11E-06	0.00E+00	0.00E+00	1.74E-06	3.22E-07	2.05E-06	3.15E-07	3.18E-07	4.74E-06
714	490286.72	3860235.12	1.52E-02	1.53E-02	1.59E-02	5.27E-06	1.59E-05	9.22E-06	9.22E-06	8.37E-06	3.82E-06	3.99E-06	0.00E+00	0.00E+00	1.70E-06	3.13E-07	1.99E-06	3.07E-07	3.09E-07	4.61E-06
715	490336.72	3860235.12	1.48E-02	1.49E-02	1.55E-02	5.13E-06	1.55E-05	8.97E-06	8.97E-06	8.15E-06	3.72E-06	3.88E-06	0.00E+00	0.00E+00	1.65E-06	3.04E-07	1.94E-06	2.99E-07	3.01E-07	4.49E-06
716	490386.72	3860235.12	1.44E-02	1.45E-02	1.51E-02	5.00E-06	1.51E-05	8.74E-06	8.74E-06	7.94E-06	3.62E-06	3.78E-06	0.00E+00	0.00E+00	1.61E-06	2.96E-07	1.89E-06	2.91E-07	2.93E-07	4.37E-06
717	490436.72	3860235.12	1.41E-02	1.41E-02	1.47E-02	4.87E-06	1.47E-05	8.51E-06	8.51E-06	7.74E-06	3.53E-06	3.69E-06	0.00E+00	0.00E+00	1.57E-06	2.89E-07	1.84E-06	2.83E-07	2.85E-07	4.26E-06
718	490486.72	3860235.12	1.37E-02	1.38E-02	1.44E-02	4.75E-06	1.43E-05	8.30E-06	8.30E-06	7.54E-06	3.44E-06	3.59E-06	0.00E+00	0.00E+00	1.53E-06	2.82E-07	1.79E-06	2.76E-07	2.78E-07	4.16E-06
719	490536.72	3860235.12	1.34E-02	1.34E-02	1.40E-02	4.63E-06	1.40E-05	8.10E-06	8.10E-06	7.36E-06	3.36E-06	3.50E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.75E-06	2.70E-07	2.71E-07	4.05E-06
720	490586.72	3860235.12	1.31E-02	1.31E-02	1.37E-02	4.52E-06	1.37E-05	7.91E-06	7.91E-06	7.18E-06	3.28E-06	3.42E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.71E-06	2.63E-07	2.65E-07	3.96E-06
721	490636.72	3860235.12	1.28E-02	1.28E-02	1.33E-02	4.42E-06	1.33E-05	7.72E-06	7.72E-06	7.02E-06	3.20E-06	3.34E-06	0.00E+00	0.00E+00	1.42E-06	2.62E-07	1.67E-06	2.57E-07	2.59E-07	3.87E-06
722	490686.72	3860235.12	1.25E-02	1.25E-02	1.30E-02	4.32E-06	1.30E-05	7.54E-06	7.54E-06	6.86E-06	3.13E-06	3.26E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.63E-06	2.51E-07	2.53E-07	3.78E-06
723	490736.72	3860235.12	1.22E-02	1.22E-02	1.27E-02	4.22E-06	1.27E-05	7.37E-06	7.37E-06	6.70E-06	3.06E-06	3.19E-06	0.00E+00	0.00E+00	1.36E-06	2.50E-07	1.59E-06	2.46E-07	2.47E-07	3.69E-06
724	490786.72	3860235.12	1.19E-02	1.20E-02	1.25E-02	4.13E-06	1.25E-05	7.21E-06	7.21E-06	6.55E-06	2.99E-06	3.12E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.56E-06	2.40E-07	2.41E-07	3.61E-06
725	490086.72	3860285.12	1.69E-02	1.69E-02	1.77E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.29E-06	4.24E-06	4.43E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.21E-06	3.40E-07	3.43E-07	5.12E-06
726	490136.72	3860285.12	1.64E-02	1.64E-02	1.71E-02	5.66E-06	1.71E-05	9.90E-06	9.90E-06	8.99E-06	4.10E-06	4.29E-06	0.00E+00	0.00E+00	1.82E-06	3.36E-07	2.14E-06	3.29E-07	3.32E-07	4.95E-06
727	490186.72	3860285.12	1.59E-02	1.59E-02	1.66E-02	5.49E-06	1.66E-05	9.59E-06	9.59E-06	8.71E-06	3.98E-06	4.16E-06	0.00E+00	0.00E+00	1.76E-06	3.26E-07	2.07E-06	3.19E-07	3.22E-07	4.80E-06
728	490236.72	3860285.12	1.54E-02	1.54E-02	1.61E-02	5.33E-06	1.61E-05	9.31E-06	9.31E-06	8.46E-06	3.86E-06	4.03E-06	0.00E+00	0.00E+00	1.71E-06	3.16E-07	2.01E-06	3.10E-07	3.12E-07	4.66E-06

729	490286.72	3860285.12	1.49E-02	1.50E-02	1.57E-02	5.17E-06	1.56E-05	9.04E-06	9.04E-06	8.22E-06	3.75E-06	3.92E-06	0.00E+00	0.00E+00	1.66E-06	3.07E-07	1.95E-06	3.01E-07	3.03E-07	4.53E-06
730	490336.72	3860285.12	1.45E-02	1.46E-02	1.52E-02	5.03E-06	1.52E-05	8.80E-06	8.80E-06	7.99E-06	3.65E-06	3.81E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	1.90E-06	2.93E-07	2.95E-07	4.40E-06
731	490386.72	3860285.12	1.41E-02	1.42E-02	1.48E-02	4.90E-06	1.48E-05	8.56E-06	8.56E-06	7.78E-06	3.55E-06	3.71E-06	0.00E+00	0.00E+00	1.57E-06	2.91E-07	1.85E-06	2.85E-07	2.87E-07	4.29E-06
732	490436.72	3860285.12	1.38E-02	1.38E-02	1.44E-02	4.77E-06	1.44E-05	8.34E-06	8.34E-06	7.58E-06	3.46E-06	3.61E-06	0.00E+00	0.00E+00	1.53E-06	2.83E-07	1.80E-06	2.78E-07	2.80E-07	4.17E-06
733	490486.72	3860285.12	1.34E-02	1.35E-02	1.41E-02	4.65E-06	1.40E-05	8.13E-06	8.13E-06	7.39E-06	3.37E-06	3.52E-06	0.00E+00	0.00E+00	1.50E-06	2.76E-07	1.75E-06	2.71E-07	2.72E-07	4.07E-06
734	490536.72	3860285.12	1.31E-02	1.31E-02	1.37E-02	4.53E-06	1.37E-05	7.92E-06	7.92E-06	7.20E-06	3.29E-06	3.43E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.71E-06	2.64E-07	2.66E-07	3.97E-06
735	490586.72	3860285.12	1.28E-02	1.28E-02	1.34E-02	4.42E-06	1.34E-05	7.73E-06	7.73E-06	7.03E-06	3.21E-06	3.35E-06	0.00E+00	0.00E+00	1.42E-06	2.62E-07	1.67E-06	2.57E-07	2.59E-07	3.87E-06
736	490636.72	3860285.12	1.25E-02	1.25E-02	1.30E-02	4.32E-06	1.30E-05	7.55E-06	7.55E-06	6.86E-06	3.13E-06	3.27E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.63E-06	2.51E-07	2.53E-07	3.78E-06
737	490686.72	3860285.12	1.22E-02	1.22E-02	1.27E-02	4.22E-06	1.27E-05	7.38E-06	7.38E-06	6.71E-06	3.06E-06	3.19E-06	0.00E+00	0.00E+00	1.36E-06	2.50E-07	1.59E-06	2.46E-07	2.47E-07	3.69E-06
738	490736.72	3860285.12	1.19E-02	1.19E-02	1.25E-02	4.13E-06	1.25E-05	7.21E-06	7.21E-06	6.55E-06	2.99E-06	3.12E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.56E-06	2.40E-07	2.41E-07	3.61E-06
739	490786.72	3860285.12	1.17E-02	1.17E-02	1.22E-02	4.04E-06	1.22E-05	7.05E-06	7.05E-06	6.41E-06	2.93E-06	3.05E-06	0.00E+00	0.00E+00	1.30E-06	2.39E-07	1.52E-06	2.35E-07	2.36E-07	3.53E-06
740	490086.72	3860335.12	1.65E-02	1.66E-02	1.73E-02	5.73E-06	1.73E-05	1.00E-05	1.00E-05	9.09E-06	4.15E-06	4.34E-06	0.00E+00	0.00E+00	1.84E-06	3.40E-07	2.16E-06	3.33E-07	3.36E-07	5.01E-06
741	490136.72	3860335.12	1.60E-02	1.60E-02	1.68E-02	5.54E-06	1.67E-05	9.68E-06	9.68E-06	8.79E-06	4.01E-06	4.20E-06	0.00E+00	0.00E+00	1.78E-06	3.29E-07	2.09E-06	3.22E-07	3.25E-07	4.85E-06
742	490186.72	3860335.12	1.55E-02	1.55E-02	1.62E-02	5.37E-06	1.62E-05	9.38E-06	9.38E-06	8.52E-06	3.89E-06	4.06E-06	0.00E+00	0.00E+00	1.73E-06	3.18E-07	2.02E-06	3.12E-07	3.15E-07	4.69E-06
743	490236.72	3860335.12	1.50E-02	1.51E-02	1.57E-02	5.20E-06	1.57E-05	9.09E-06	9.09E-06	8.26E-06	3.77E-06	3.94E-06	0.00E+00	0.00E+00	1.67E-06	3.09E-07	1.96E-06	3.03E-07	3.05E-07	4.55E-06
744	490286.72	3860335.12	1.46E-02	1.46E-02	1.53E-02	5.05E-06	1.53E-05	8.83E-06	8.83E-06	8.02E-06	3.66E-06	3.82E-06	0.00E+00	0.00E+00	1.62E-06	3.00E-07	1.91E-06	2.94E-07	2.96E-07	4.42E-06
745	490336.72	3860335.12	1.42E-02	1.42E-02	1.49E-02	4.91E-06	1.48E-05	8.58E-06	8.58E-06	7.80E-06	3.56E-06	3.72E-06	0.00E+00	0.00E+00	1.58E-06	2.91E-07	1.85E-06	2.86E-07	2.88E-07	4.30E-06
746	490386.72	3860335.12	1.38E-02	1.38E-02	1.44E-02	4.78E-06	1.44E-05	8.35E-06	8.35E-06	7.59E-06	3.46E-06	3.62E-06	0.00E+00	0.00E+00	1.54E-06	2.83E-07	1.80E-06	2.78E-07	2.80E-07	4.18E-06
747	490436.72	3860335.12	1.34E-02	1.35E-02	1.41E-02	4.65E-06	1.40E-05	8.13E-06	8.13E-06	7.39E-06	3.37E-06	3.52E-06	0.00E+00	0.00E+00	1.50E-06	2.76E-07	1.76E-06	2.71E-07	2.73E-07	4.07E-06
748	490486.72	3860335.12	1.31E-02	1.31E-02	1.37E-02	4.53E-06	1.37E-05	7.92E-06	7.92E-06	7.20E-06	3.29E-06	3.43E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.71E-06	2.64E-07	2.65E-07	3.97E-06
749	490536.72	3860335.12	1.28E-02	1.28E-02	1.34E-02	4.42E-06	1.33E-05	7.73E-06	7.73E-06	7.02E-06	3.20E-06	3.34E-06	0.00E+00	0.00E+00	1.42E-06	2.62E-07	1.67E-06	2.57E-07	2.59E-07	3.87E-06
750	490586.72	3860335.12	1.25E-02	1.25E-02	1.30E-02	4.31E-06	1.30E-05	7.54E-06	7.54E-06	6.85E-06	3.13E-06	3.26E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.63E-06	2.51E-07	2.52E-07	3.77E-06
751	490636.72	3860335.12	1.22E-02	1.22E-02	1.27E-02	4.21E-06	1.27E-05	7.36E-06	7.36E-06	6.69E-06	3.05E-06	3.18E-06	0.00E+00	0.00E+00	1.35E-06	2.50E-07	1.59E-06	2.45E-07	2.46E-07	3.68E-06
752	490686.72	3860335.12	1.19E-02	1.19E-02	1.24E-02	4.11E-06	1.24E-05	7.19E-06	7.19E-06	6.53E-06	2.98E-06	3.11E-06	0.00E+00	0.00E+00	1.32E-06	2.44E-07	1.55E-06	2.39E-07	2.41E-07	3.60E-06
753	490736.72	3860335.12	1.16E-02	1.16E-02	1.21E-02	4.02E-06	1.21E-05	7.03E-06	7.03E-06	6.39E-06	2.92E-06	3.04E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.52E-06	2.34E-07	2.35E-07	3.52E-06
754	490786.72	3860335.12	1.14E-02	1.14E-02	1.19E-02	3.93E-06	1.19E-05	6.88E-06	6.88E-06	6.25E-06	2.85E-06	2.97E-06	0.00E+00	0.00E+00	1.27E-06	2.33E-07	1.49E-06	2.29E-07	2.30E-07	3.44E-06
755	490086.72	3860385.12	1.61E-02	1.61E-02	1.69E-02	5.57E-06	1.68E-05	9.73E-06	9.73E-06	8.84E-06	4.03E-06	4.22E-06	0.00E+00	0.00E+00	1.79E-06	3.30E-07	2.10E-06	3.24E-07	3.27E-07	4.87E-06
756	490136.72	3860385.12	1.55E-02	1.56E-02	1.63E-02	5.38E-06	1.63E-05	9.41E-06	9.41E-06	8.54E-06	3.90E-06	4.08E-06	0.00E+00	0.00E+00	1.73E-06	3.19E-07	2.03E-06	3.13E-07	3.16E-07	4.71E-06
757	490186.72	3860385.12	1.51E-02	1.51E-02	1.58E-02	5.21E-06	1.57E-05	9.11E-06	9.11E-06	8.27E-06	3.78E-06	3.95E-06	0.00E+00	0.00E+00	1.68E-06	3.09E-07	1.97E-06	3.03E-07	3.06E-07	4.56E-06
758	490236.72	3860385.12	1.46E-02	1.46E-02	1.53E-02	5.05E-06	1.53E-05	8.83E-06	8.83E-06	8.02E-06	3.66E-06	3.83E-06	0.00E+00	0.00E+00	1.62E-06	3.00E-07	1.91E-06	2.94E-07	2.96E-07	4.42E-06
759	490286.72	3860385.12	1.42E-02	1.42E-02	1.48E-02	4.90E-06	1.48E-05	8.57E-06	8.57E-06	7.79E-06	3.55E-06	3.71E-06	0.00E+00	0.00E+00	1.58E-06	2.91E-07	1.85E-06	2.85E-07	2.88E-07	4.29E-06
760	490336.72	3860385.12	1.38E-02	1.38E-02	1.44E-02	4.77E-06	1.44E-05	8.33E-06	8.33E-06	7.57E-06	3.45E-06	3.61E-06	0.00E+00	0.00E+00	1.53E-06	2.83E-07	1.80E-06	2.77E-07	2.79E-07	4.17E-06
761	490386.72	3860385.12	1.34E-02	1.34E-02	1.40E-02	4.64E-06	1.40E-05	8.11E-06	8.11E-06	7.36E-06	3.36E-06	3.51E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.75E-06	2.70E-07	2.72E-07	4.06E-06
762	490436.72	3860385.12	1.30E-02	1.31E-02	1.36E-02	4.51E-06	1.36E-05	7.89E-06	7.89E-06	7.17E-06	3.27E-06	3.42E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.70E-06	2.63E-07	2.64E-07	3.95E-06
763	490486.72	3860385.12	1.27E-02	1.27E-02	1.33E-02	4.40E-06	1.33E-05	7.69E-06	7.69E-06	6.99E-06	3.19E-06	3.33E-06	0.00E+00	0.00E+00	1.41E-06	2.61E-07	1.66E-06	2.56E-07	2.58E-07	3.85E-06
764	490536.72	3860385.12	1.24E-02	1.24E-02	1.30E-02	4.29E-06	1.30E-05	7.50E-06	7.50E-06	6.82E-06	3.11E-06	3.24E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.62E-06	2.50E-07	2.51E-07	3.75E-06
765	490586.72	3860385.12	1.21E-02	1.21E-02	1.27E-02	4.19E-06	1.26E-05	7.32E-06	7.32E-06	6.65E-06	3.04E-06	3.17E-06	0.00E+00	0.00E+00	1.35E-06	2.48E-07	1.58E-06	2.44E-07	2.45E-07	3.66E-06
766	490636.72	3860385.12	1.18E-02	1.18E-02	1.23E-02	4.09E-06	1.23E-05	7.15E-06	7.15E-06	6.50E-06	2.96E-06	3.09E-06	0.00E+00	0.00E+00	1.31E-06	2.43E-07	1.54E-06	2.38E-07	2.39E-07	3.58E-06
767	490686.72	3860385.12	1.15E-02	1.16E-02	1.21E-02	4.00E-06	1.21E-05	6.98E-06	6.98E-06	6.35E-06	2.90E-06	3.02E-06	0.00E+00	0.00E+00	1.28E-06	2.37E-07	1.51E-06	2.33E-07	2.34E-07	3.50E-06
768	490736.72	3860385.12	1.13E-02	1.13E-02	1.18E-02	3.91E-06	1.18E-05	6.83E-06	6.83E-06	6.21E-06	2.83E-06	2.95E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.47E-06	2.27E-07	2.29E-07	3.42E-06
769	490786.72	3860385.12	1.10E-02	1.11E-02	1.15E-02	3.82E-06	1.15E-05	6.68E-06	6.68E-06	6.07E-06	2.77E-06	2.89E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.44E-06	2.22E-07	2.24E-07	3.34E-06
770	490136.72	3860435.12	1.50E-02	1.50E-02	1.57E-02	5.19E-06	1.57E-05	9.07E-06	9.07E-06	8.24E-06	3.76E-06	3.93E-06	0.00E+00	0.00E+00	1.67E-06	3.08E-07	1.96E-06	3.02E-07	3.05E-07	4.54E-06
771	490186.72	3860435.12	1.45E-02	1.46E-02	1.52E-02	5.03E-06	1.52E-05	8.79E-06	8.79E-06	7.98E-06	3.64E-06	3.81E-06	0.00E+00	0.00E+00	1.62E-06	2.98E-07	1.90E-06	2.92E-07	2.95E-07	4.40E-06
772	490236.72	3860435.12	1.41E-02	1.41E-02	1.48E-02	4.88E-06	1.47E-05	8.52E-06	8.52E-06	7.74E-06	3.53E-06	3.69E-06	0.00E+00	0.00E+00	1.57E-06	2.89E-07	1.84E-06	2.84E-07	2.86E-07	4.27E-06
773	490286.72	3860435.12	1.37E-02	1.37E-02	1.43E-02	4.73E-06	1.43E-05	8.28E-06	8.28E-06	7.52E-06	3.43E-06	3.58E-06	0.00E+00	0.00E+00	1.52E-06	2.81E-07	1.79E-06	2.75E-07	2.78E-07	4.14E-06
774	490336.72	3860435.12	1.33E-02	1.33E-02	1.39E-02	4.60E-06	1.39E-05	8.04E-06	8.04E-06	7.31E-06	3.33E-06	3.48E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.74E-06	2.68E-07	2.70E-07	4.03E-06
775	490386.72	3860435.12	1.29E-02	1.30E-02	1.35E-02	4.48E-06	1.35E-05	7.83E-06	7.83E-06	7.11E-06	3.24E-06	3.39E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.69E-06	2.61E-07	2.62E-07	3.92E-06
776	490436.72	3860435.12	1.26E-02	1.26E-02	1.32E-02	4.36E-06	1.32E-05	7.62E-06	7.62E-06	6.93E-06	3.16E-06	3.30E-06	0.00E+00	0.00E+00	1.40E-06	2.59E-07	1.65E-06	2.54E-07	2.55E-07	3.82E-06
777	490486.72	3860435.12	1.23E-02	1.23E-02	1.28E-02	4.25E-06	1.28E-05	7.43E-06	7.43E-06	6.75E-06	3.08E-06	3.21E-06	0.00E+00	0.00E+00	1.37E-06	2.52E-07	1.60E-06	2.47E-07	2.49E-07	3.72E-06
778	490536.72	3860435.12	1.20E-02	1.20E-02	1.25E-02	4.15E-06	1.25E-05	7.25E-06	7.25E-06	6.59E-06	3.01E-06	3.14E-06	0.00E+00	0.00E+00	1.33E-06	2.46E-07	1.57E-06	2.41E-07	2.43E-07	3.63E-06
779	490586.72	3860435.12	1.17E-02	1.17E-02	1.22E-02	4.05E-06	1.22E-05	7.08E-06	7.08E-06	6.43E-06	2.94E-06	3.06E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.53E-06	2.36E-07	2.37E-07	3.54E-06
780	490636.72	3860435.12	1.14E-02	1.15E-02	1.19E-02	3.96E-06	1.19E-05	6.91E-06	6.91E-06	6.28E-06	2.87E-06	2.99E-06	0.00E+00	0.00E+00	1.27E-06	2.35E-07	1.49E-06	2.30E-07	2.31E-07	3.46E-06
781	490686.72	3860435.12	1.12E-02	1.12E-02	1.17E-02	3.87E-06	1.17E-05	6.76E-06	6.76E-06	6.14E-06	2.80E-06	2.92E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.46E-06	2.25E-07	2.26E-07	3.38E-06
782	490736.72	3860435.12	1.09E-02	1.10E-02	1.14E-02	3.78E-06	1.14E-05	6.61E-06	6.61E-06	6.01E-06	2.74E-06	2.86E-06	0.00E+00	0.00E+00	1.22E-06	2.24E-07	1.43E-06	2.20E-07	2.21E-07	3.31E-06
783	490786.72	3860435.12	1.07E-02	1.07E-02	1.12E-02	3.70E-06	1.12E-05	6.47E-06	6.47E-06	5.88E-06	2.68E-06	2.80E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.40E-06	2.16E-07	2.17E-07	3.24E-06
784	490136.72	3860485.12	1.44E-02	1.44E-02	1.51E-02	4.97E-06	1.50E-05	8.69E-06	8.69E-06	7.90E-06	3.60E-06	3.77E-06	0.00E+00	0.00E+00	1.60E-06	2.95E-07	1.88E-06	2.89E-07	2.92E-07	4.35E-06
785	490186.72	3860485.12	1.39E-02	1.40E-02	1.46E-02	4.82E-06	1.46E-05	8.42E-06	8.42E-06	7.65E-06	3.49E-06	3.65E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.82E-06	2.80E-07	2.83E-07	4.22E-06
786	490236.72	3860485.12	1.35E-02	1.35E-02	1.41E-02	4.68E-06	1.41E-05	8.17E-06	8.17E-06	7.43E-06	3.39E-06	3.54E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.76E-06	2.72E-07	2.74E-07	4.09E-06
787	490286.72	3860485.12	1.31E-02	1.32E-02	1.37E-02	4.54E-06	1.37E-05	7.94E-06	7.94E-06	7.22E-06	3.29E-06	3.44E-06	0.00E+00	0.00E+00	1.46E-06	2.70E-07	1.71E-06	2.64E-07	2.66E-07	3.98E-06
788	490336.72	3860485.12	1.28E-02	1.28E-02	1.34E-02	4.42E-06	1.33E-05	7.72E-06	7.72E-06	7.02E-06	3.20E-06	3.34E-06	0.00E+00	0.00E+00	1.42E-06	2.62E-07	1.67E-06	2.57E-07	2.59E-07	3.87E-06
789	490386.72	3860485.12	1.24E-02	1.25E-02	1.30E-02	4.30E-06	1.30E-05	7.52E-06	7.52E-06	6.84E-06	3.12E-06	3.26E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.62E-06	2.50E-07	2.52E-07	3.77E-06
790	490436.72	3860485.12	1.21E-02	1.22E-02	1.27E-02	4.20E-06	1.27E-05	7.33E-06	7.33E-06	6.66E-06	3.04E-06	3.17E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.58E-06	2.44E-07	2.46E-07	3.67E-06
791	490486.72	3860485.12	1.18E-02	1.19E-02	1.24E-02	4.09E-06	1.24E-05	7.15E-06	7.15E-06	6.50E-06	2.97E-06	3.09E-06	0.00E+00	0.00E+00	1.32E-06	2.43E-07	1.54E-06	2.38E-07	2.40E-07	3.58E-06
792	490536.72	3860485.12	1.15E-02	1.16E-02	1.21E-02	3.99E-06	1.21E-05	6.98E-06	6.98E-06	6.34E-06	2.89E-06	3.02E-06	0.00E+00	0.00E+00	1.28E-06	2.37E-07	1.51E-06	2.32E-07	2.34E-07	3.49E-06
793	490586.72	3860485.12	1.13E-02	1.13E-02	1.18E-02	3.90E-06	1.18E-05	6.82E-06	6.82E-06	6.20E-06	2.83E-06	2.95E-06	0.00E+00	0.00E+00	1.25E-06	2.31E-07	1.47E-06	2.27E-07	2.28E-07	3.41E-06
794	490636.72	3860485.12	1.10E-02	1.10E-02	1.15E-02	3.81E-06	1.15E-05	6.67E-06	6.67E-06	6.06E-06	2.77E-06	2.88E-06	0.00E+00	0.00E+00	1.23E-06	2.26E-07	1.44E-06	2.22E-07	2.23E-07	3.34E-06
795	490686.72	3860485.12	1.08E-02	1.08E-02	1.13E-02	3.73E-06	1.13E-05	6.52E-06	6.52E-06	5.93E-06	2.70E-06	2.82E-06	0.00E+00	0.00E+00	1.20E-06	2.21E-07	1.41E-06	2.17E-07	2.18E-07	3.26E-06
796	490736.72	3860485.12	1.05E-02	1.06E-02	1.10E-02	3.65E-06	1.10E-05	6.38E-06	6.38E-06	5.80E-06	2.65E-06	2.76E-06	0.00E+00	0.00E+00	1.17E-06	2.17E-07	1.38E-06	2.13E-07	2.14E-07	3.20E-06
797	490786.72	3860485.12	1.03E-02	1.04E-02	1.08E-02	3.58E-06	1.08E-05	6.25E-06	6.25E-06	5.68E-06	2.59E-06	2.70E-06	0.00E+00	0.00E+00	1.15E-06	2.12E-07	1.35E-06	2.08E-07	2.09E-07	3.13E-06
798	490136.72	3860535.12	1.37E-02	1.37E-02	1.43E-02	4.73E-06	1.43E-05	8.27E-06	8.27E-06	7.51E-06	3.43E-06	3.58E-06	0.00E+00	0.00E+00	1.52E-06	2.81E-07	1.79E-06	2.75E-07	2.78E-07	4.14E-06
799	490186.72	3860535.12	1.33E-02	1.33E-02	1.39E-02	4.59E-06	1.39E-05	8.03E-06	8.03E-06	7.30E-06	3.33E-06	3.48E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.73E-06	2.67E-07	2.69E-07	4.02E-06
800	490236.72	3860535.12	1.29E-02	1.29E-02	1.35E-02	4.46E-06	1.35E-05	7.80E-06	7.80E-06	7.09E-06	3.23E-06	3.38E-06	0.00E+00	0.00E+00	1.43E-06	2.65E-07	1.68E-06	2.60E-07	2.62E-07	3.90E-06
801	490286.72	3860535.12	1.25E-02	1.26E-02	1.31E-02	4.34E-06	1.31E-05	7.58E-06	7.58E-06	6.89E-06	3.14E-06	3.28E-06	0.00E+00	0.00E+00	1.40E-06	2.57E-07	1.64E-06	2.53E-07	2.54E-07	3.80E-06
802	490336.72	3860535.12	1.22E-02	1.22E-02	1.28E-02	4.23E-06	1.28E-05	7.39E-06	7.39E-06	6.71E-06	3.06E-06	3.20E-06	0.00E+00	0.00E+00	1.36E-06	2.51E-07	1.59E-06	2.46E-07	2.48E-07	3.70E-06
803	490386.72	3860535.12	1.19E-02	1.19E-02	1.25E-02	4.12E-06	1.24E-05	7.20E-06	7.20E-06	6.54E-06	2.99E-06	3.12E-06	0.00E+00	0.00E+00	1.32E-06	2.44E-07	1.56E-06	2.40E-07	2.41E-07	3.61E-06
804	490436.72	3860535.12	1.16E-02	1.16E-02	1.21E-02	4.02E-06	1.21E-05	7.03E-06	7.03E-06	6.39E-06	2.91E-06	3.04E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.52E-06	2.34E-07	2.35E-07	3.52E-06
805	490486.72	3860535.12	1.13E-02	1.14E-02	1.19E-02	3.93E-06	1.19E-05	6.86E-06	6.86E-06	6.24E-06	2.85E-06	2.97E-06	0.00E+00	0.00E+00	1.26E-06	2.33E-07	1.48E-06	2.29E-07	2.30E-07	3.44E-06
806	490536.72	3860535.12	1.11E-02	1.11E-02	1.16E-02	3.84E-06	1.16E-05	6.71E-06	6.71E-06	6.10E-06	2.78E-06	2.90E-06	0.00E+00	0.00E+00	1.23E-06	2.28E-07	1.45E-06	2.24E-07	2.25E-07	3.36E-06
807	490586.72	3860535.12	1.08E-02	1.09E-02	1.13E-02	3.75E-06	1.13E-05	6.55E-06	6.55E-06	5.96E-06	2.72E-06	2.83E-06	0.00E+00	0.00E+00	1.21E-06	2.22E-07	1.42E-06	2.18E-07	2.19E-07	3.28E-06
808	490636.72	3860535.12	1.06E-02	1.06E-02	1.11E-02	3.67E-06	1.11E-05	6.41E-06	6.41E-06	5.83E-06	2.66E-06	2.77E-06	0.00E+00	0.00E+00	1.18E-06	2.18E-07	1.38E-06	2.13E-07	2.15E-07	3.21E-06
809	490686.72	3860535.12	1.04E-02	1.04E-02	1.08E-02	3.59E-06	1.08E-05	6.27E-06	6.27E-06	5.70E-06	2.60E-06	2.71E-06	0.00E+00	0.00E+00	1.15E-06	2.13E-07	1.36E-06	2.09E-07	2.10E-07	3.14E-06
810	490736.72	3860535.12	1.02E-02	1.02E-02	1.06E-02	3.52E-06	1.06E-05	6.14E-06	6.14E-06	5.59E-06	2.55E-06	2.66E-06	0.00E+00	0.00E+00	1.13E-06	2.09E-07	1.33E-06	2.05E-07	2.06E-07	3.08E-06
811	490786.72	3860535.12	9.96E-03	9.98E-03	1.04E-02	3.45E-06	1.04E-05	6.02E-06	6.02E-06	5.48E-06	2.50E-06	2.60E-06	0.00E+00	0.00E+00	1.11E-06	2.04E-07	1.30E-06	2.01E-07	2.02E-07	3.02E-06
812	490136.72	3860585.12	1.29E-02	1.30E-02	1.36E-02	4.48E-06	1.35E-05	7.83E-06	7.83E-06	7.12E-06	3.25E-06	3.39E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.69E-06	2.61E-07	2.63E-07	3.92E-06
813	490186.72	3860585.12	1.26E-02	1.26E-02	1.32E-02	4.35E-06	1.31E-05	7.60E-06	7.60E-06	6.90E-06	3.15E-06	3.29E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.64E-06	2.53E-07	2.55E-07	3.80E-06
814	490236.72	3860585.12	1.22E-02	1.23E-02	1.28E-02	4.23E-06	1.28E-05	7.40E-06	7.40E-06	6.73E-06	3.07E-06	3.21E-06	0.00E+00	0.00E+00	1.36E-06	2.51E-07	1.60E-06	2.46E-07	2.48E-07	3.71E-06
815	490286.72	3860585.12	1.19E-02	1.20E-02	1.25E-02	4.13E-06	1.25E-05	7.21E-06	7.21E-06	6.56E-06	2.99E-06	3.12E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.56E-06	2.40E-07	2.42E-07	3.61E-06
816	490336.72	3860585.12	1.16E-02	1.17E-02	1.22E-02	4.02E-06	1.22E-05	7.04E-06	7.04E-06	6.39E-06	2.92E-06	3.04E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.52E-06	2.34E-07	2.36E-07	3.52E-06
817	490386.72	3860585.12	1.13E-02	1.14E-02	1.19E-02	3.93E-06	1.19E-05	6.87E-06	6.87E-06	6.24E-06	2.85E-06	2.97E-06	0.00E+00	0.00E+00	1.26E-06	2.33E-07	1.48E-06	2.29E-07	2.30E-07	3.44E-06
818	490436.72	3860585.12	1.11E-02	1.11E-02	1.16E-02	3.84E-06	1.16E-05	6.72E-06	6.72E-06	6.10E-06	2.79E-06	2.91E-06	0.00E+00	0.00E+00	1.24E-06	2.28E-07	1.45E-06	2.24E-07	2.25E-07	3.36E-06
819	490486.72	3860585.12	1.09E-02	1.09E-02	1.14E-02	3.76E-06	1.13E-05	6.57E-06	6.57E-06	5.97E-06	2.72E-06	2.84E-06	0.00E+00	0.00E+00	1.21E-06	2.23E-07	1.42E-06	2.19E-07	2.20E-07	3.29E-06
820	490536.72	3860585.12	1.06E-02	1.06E-02	1.11E-02	3.68E-06	1.11E-05	6.43E-06	6.43E-06	5.84E-06	2.67E-06	2.78E-06	0.00E+00	0.00E+00	1.18E-06	2.18E-07	1.39E-06	2.14E-07	2.15E-07	3.22E-06
821	490586.72	3860585.12	1.04E-02	1.04E-02	1.08E-02	3.59E-06	1.08E-05	6.27E-06	6.27E-06	5.70E-06	2.60E-06	2.71E-06	0.00E+00	0.00E+00	1.15E-06	2.13E-07	1.36E-06	2.09E-07	2.10E-07	3.14E-06
822	490636.72	3860585.12	1.02E-02	1.02E-02	1.06E-02	3.52E-06	1.06E-05	6.14E-06	6.14E-06	5.59E-06	2.55E-06	2.66E-06	0.00E+00	0.00E+00	1.13E-06	2.09E-07	1.33E-06	2.05E-07	2.06E-07	3.08E-06
823	490686.72	3860585.12	9.95E-03	9.98E-03	1.04E-02	3.44E-06	1.04E-05	6.02E-06	6.02E-06	5.47E-06	2.50E-06	2.60E-06	0.00E+00	0.00E+00	1.11E-06	2.04E-07	1.30E-06	2.01E-07	2.01E-07	3.01E-06
824	490736.72	3860585.12	9.76E-03	9.78E-03	1.02E-02	3.38E-06	1.02E-05	5.90E-06	5.90E-06	5.37E-06	2.45E-06	2.55E-06	0.00E+00	0.00E+00	1.09E-06	2.00E-07	1.28E-06	1.97E-07	1.97E-07	2.96E-06
825	490786.72	3860585.12	9.57E-03	9.60E-03	9.99E-03	3.31E-06	1.00E-05	5.79E-06	5.79E-06	5.26E-06	2.40E-06	2.50E-06	0.00E+00	0.00E+00	1.06E-06	1.96E-07	1.25E-06	1.93E-07	1.94E-07	2.90E-06
826	490136.72	3860635.12	1.22E-02	1.22E-02	1.28E-02	4.22E-06	1.28E-05	7.38E-06	7.38E-06	6.71E-06	3.06E-06	3.20E-06	0.00E+00	0.00E+00	1.36E-06	2.51E-07	1.59E-06	2.46E-07	2.48E-07	3.70E-06
827	490186.72	3860635.12	1.19E-02	1.19E-02	1.24E-02	4.12E-06	1.24E-05	7.19E-06	7.19E-06	6.54E-06	2.98E-06	3.11E-06	0.00E+00	0.00E+00	1.32E-06	2.44E-07	1.55E-06	2.39E-07	2.41E-07	3.60E-06
828	490236.72	3860635.12	1.16E-02	1.16E-02	1.21E-02	4.01E-06	1.21E-05	7.00E-06	7.00E-06	6.36E-06	2.90E-06	3.03E-06	0.00E+00	0.00E+00	1.29E-06	2.38E-07	1.51E-06	2.33E-07	2.35E-07	3.51E-06
829	490286.72	3860635.12	1.13E-02	1.13E-02	1.18E-02	3.91E-06	1.18E-05	6.83E-06	6.83E-06	6.21E-06	2.83E-06	2.96E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.48E-06	2.28E-07	2.29E-07	3.42E-06
830	490336.72	3860635.12	1.10E-02	1.11E-02	1.15E-02	3.82E-06	1.15E-05	6.68E-06	6.68E-06	6.07E-06	2.77E-06	2.89E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.44E-06	2.22E-07	2.24E-07	3.34E-06
831	490386.72	3860635.12	1.08E-02	1.08E-02	1.13E-02	3.73E-06	1.13E-05	6.53E-06	6.53E-06	5.93E-06	2.71E-06	2.82E-06	0.00E+00	0.00E+00	1.20E-06	2.22E-07	1.41E-06	2.17E-07	2.19E-07	3.27E-06
832	490436.72	3860635.12	1.06E-02	1.06E-02	1.10E-02	3.65E-06	1.10E-05	6.38E-06	6.38E-06	5.80E-06	2.65E-06	2.76E-06	0.00E+00	0.00E+00	1.17E-06	2.17E-07	1.38E-06	2.13E-07	2.14E-07	3.20E-06
833	490486.72	3860635.12	1.03E-02	1.04E-02	1.08E-02	3.58E-06	1.08E-05	6.25E-06	6.25E-06	5.68E-06	2.59E-06	2.70E-06	0.00E+00	0.00E+00	1.15E-06	2.12E-07	1.35E-06	2.08E-07	2.09E-07	3.13E-06

834	490536.72	3860635.12	1.01E-02	1.02E-02	1.06E-02	3.51E-06	1.06E-05	6.13E-06	6.13E-06	5.57E-06	2.54E-06	2.65E-06	0.00E+00	0.00E+00	1.13E-06	2.08E-07	1.32E-06	2.04E-07	2.05E-07	3.07E-06
835	490586.72	3860635.12	9.91E-03	9.94E-03	1.04E-02	3.43E-06	1.04E-05	6.00E-06	6.00E-06	5.45E-06	2.49E-06	2.59E-06	0.00E+00	0.00E+00	1.10E-06	2.04E-07	1.30E-06	2.00E-07	2.01E-07	3.00E-06
836	490636.72	3860635.12	9.72E-03	9.75E-03	1.02E-02	3.36E-06	1.02E-05	5.88E-06	5.88E-06	5.35E-06	2.44E-06	2.54E-06	0.00E+00	0.00E+00	1.08E-06	2.00E-07	1.27E-06	1.96E-07	1.97E-07	2.94E-06
837	490686.72	3860635.12	9.53E-03	9.56E-03	9.96E-03	3.30E-06	9.96E-06	5.77E-06	5.77E-06	5.24E-06	2.39E-06	2.49E-06	0.00E+00	0.00E+00	1.06E-06	1.96E-07	1.25E-06	1.92E-07	1.93E-07	2.89E-06
838	490736.72	3860635.12	9.35E-03	9.38E-03	9.76E-03	3.24E-06	9.77E-06	5.66E-06	5.66E-06	5.14E-06	2.35E-06	2.44E-06	0.00E+00	0.00E+00	1.04E-06	1.92E-07	1.22E-06	1.88E-07	1.89E-07	2.83E-06
839	490786.72	3860635.12	9.18E-03	9.21E-03	9.58E-03	3.18E-06	9.59E-06	5.55E-06	5.55E-06	5.05E-06	2.30E-06	2.40E-06	0.00E+00	0.00E+00	1.02E-06	1.89E-07	1.20E-06	1.85E-07	1.86E-07	2.78E-06
840	490136.72	3860685.12	1.15E-02	1.15E-02	1.20E-02	3.97E-06	1.20E-05	6.93E-06	6.93E-06	6.30E-06	2.87E-06	3.00E-06	0.00E+00	0.00E+00	1.28E-06	2.35E-07	1.50E-06	2.31E-07	2.32E-07	3.47E-06
841	490186.72	3860685.12	1.12E-02	1.12E-02	1.17E-02	3.87E-06	1.17E-05	6.77E-06	6.77E-06	6.15E-06	2.81E-06	2.93E-06	0.00E+00	0.00E+00	1.25E-06	2.30E-07	1.46E-06	2.25E-07	2.27E-07	3.39E-06
842	490236.72	3860685.12	1.09E-02	1.10E-02	1.14E-02	3.79E-06	1.14E-05	6.62E-06	6.62E-06	6.01E-06	2.74E-06	2.86E-06	0.00E+00	0.00E+00	1.22E-06	2.25E-07	1.43E-06	2.20E-07	2.22E-07	3.31E-06
843	490286.72	3860685.12	1.07E-02	1.07E-02	1.12E-02	3.69E-06	1.11E-05	6.45E-06	6.45E-06	5.86E-06	2.67E-06	2.79E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.39E-06	2.15E-07	2.16E-07	3.23E-06
844	490336.72	3860685.12	1.04E-02	1.05E-02	1.09E-02	3.62E-06	1.09E-05	6.32E-06	6.32E-06	5.74E-06	2.62E-06	2.73E-06	0.00E+00	0.00E+00	1.16E-06	2.14E-07	1.36E-06	2.10E-07	2.12E-07	3.16E-06
845	490386.72	3860685.12	1.02E-02	1.03E-02	1.07E-02	3.54E-06	1.07E-05	6.19E-06	6.19E-06	5.63E-06	2.57E-06	2.68E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.34E-06	2.06E-07	2.07E-07	3.10E-06
846	490436.72	3860685.12	1.00E-02	1.00E-02	1.05E-02	3.47E-06	1.05E-05	6.06E-06	6.06E-06	5.51E-06	2.51E-06	2.62E-06	0.00E+00	0.00E+00	1.11E-06	2.06E-07	1.31E-06	2.02E-07	2.03E-07	3.03E-06
847	490486.72	3860685.12	9.81E-03	9.84E-03	1.03E-02	3.40E-06	1.03E-05	5.94E-06	5.94E-06	5.40E-06	2.46E-06	2.57E-06	0.00E+00	0.00E+00	1.09E-06	2.01E-07	1.28E-06	1.98E-07	1.99E-07	2.97E-06
848	490536.72	3860685.12	9.62E-03	9.65E-03	1.01E-02	3.33E-06	1.01E-05	5.82E-06	5.82E-06	5.29E-06	2.42E-06	2.52E-06	0.00E+00	0.00E+00	1.07E-06	1.98E-07	1.26E-06	1.94E-07	1.95E-07	2.92E-06
849	490586.72	3860685.12	9.45E-03	9.47E-03	9.87E-03	3.27E-06	9.87E-06	5.72E-06	5.72E-06	5.20E-06	2.37E-06	2.47E-06	0.00E+00	0.00E+00	1.05E-06	1.94E-07	1.23E-06	1.90E-07	1.91E-07	2.86E-06
850	490636.72	3860685.12	9.28E-03	9.30E-03	9.69E-03	3.21E-06	9.70E-06	5.61E-06	5.61E-06	5.10E-06	2.33E-06	2.42E-06	0.00E+00	0.00E+00	1.03E-06	1.91E-07	1.21E-06	1.87E-07	1.88E-07	2.81E-06
851	490686.72	3860685.12	9.12E-03	9.14E-03	9.52E-03	3.16E-06	9.53E-06	5.52E-06	5.52E-06	5.02E-06	2.29E-06	2.38E-06	0.00E+00	0.00E+00	1.01E-06	1.87E-07	1.19E-06	1.84E-07	1.84E-07	2.76E-06
852	490736.72	3860685.12	8.95E-03	8.98E-03	9.34E-03	3.10E-06	9.36E-06	5.42E-06	5.42E-06	4.92E-06	2.25E-06	2.34E-06	0.00E+00	0.00E+00	9.96E-07	1.84E-07	1.17E-06	1.80E-07	1.81E-07	2.71E-06
853	490786.72	3860685.12	8.81E-03	8.83E-03	9.19E-03	3.05E-06	9.20E-06	5.33E-06	5.33E-06	4.84E-06	2.21E-06	2.30E-06	0.00E+00	0.00E+00	9.80E-07	1.81E-07	1.15E-06	1.78E-07	1.78E-07	2.67E-06
854	490136.72	3860735.12	1.07E-02	1.07E-02	1.12E-02	3.70E-06	1.12E-05	6.47E-06	6.47E-06	5.88E-06	2.68E-06	2.80E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.40E-06	2.15E-07	2.17E-07	3.24E-06
855	490186.72	3860735.12	1.05E-02	1.05E-02	1.09E-02	3.62E-06	1.09E-05	6.33E-06	6.33E-06	5.75E-06	2.62E-06	2.74E-06	0.00E+00	0.00E+00	1.16E-06	2.15E-07	1.37E-06	2.11E-07	2.12E-07	3.17E-06
856	490236.72	3860735.12	1.02E-02	1.03E-02	1.07E-02	3.55E-06	1.07E-05	6.20E-06	6.20E-06	5.63E-06	2.57E-06	2.68E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.34E-06	2.06E-07	2.08E-07	3.10E-06
857	490286.72	3860735.12	1.00E-02	1.01E-02	1.05E-02	3.48E-06	1.05E-05	6.08E-06	6.08E-06	5.52E-06	2.52E-06	2.63E-06	0.00E+00	0.00E+00	1.12E-06	2.06E-07	1.31E-06	2.02E-07	2.04E-07	3.04E-06
858	490336.72	3860735.12	9.85E-03	9.87E-03	1.03E-02	3.41E-06	1.03E-05	5.96E-06	5.96E-06	5.42E-06	2.47E-06	2.58E-06	0.00E+00	0.00E+00	1.10E-06	2.02E-07	1.29E-06	1.98E-07	2.00E-07	2.98E-06
859	490386.72	3860735.12	9.67E-03	9.69E-03	1.01E-02	3.35E-06	1.01E-05	5.85E-06	5.85E-06	5.32E-06	2.43E-06	2.53E-06	0.00E+00	0.00E+00	1.08E-06	1.99E-07	1.26E-06	1.95E-07	1.96E-07	2.93E-06
860	490436.72	3860735.12	9.51E-03	9.53E-03	9.93E-03	3.29E-06	9.94E-06	5.75E-06	5.75E-06	5.23E-06	2.39E-06	2.49E-06	0.00E+00	0.00E+00	1.06E-06	1.95E-07	1.24E-06	1.92E-07	1.93E-07	2.88E-06
861	490486.72	3860735.12	9.32E-03	9.35E-03	9.74E-03	3.23E-06	9.74E-06	5.64E-06	5.64E-06	5.13E-06	2.34E-06	2.44E-06	0.00E+00	0.00E+00	1.04E-06	1.91E-07	1.22E-06	1.88E-07	1.89E-07	2.82E-06
862	490536.72	3860735.12	9.14E-03	9.16E-03	9.54E-03	3.16E-06	9.55E-06	5.53E-06	5.53E-06	5.03E-06	2.29E-06	2.39E-06	0.00E+00	0.00E+00	1.02E-06	1.88E-07	1.19E-06	1.84E-07	1.85E-07	2.77E-06
863	490586.72	3860735.12	8.97E-03	9.00E-03	9.37E-03	3.11E-06	9.38E-06	5.43E-06	5.43E-06	4.94E-06	2.25E-06	2.35E-06	0.00E+00	0.00E+00	9.99E-07	1.84E-07	1.17E-06	1.81E-07	1.82E-07	2.72E-06
864	490636.72	3860735.12	8.82E-03	8.85E-03	9.21E-03	3.05E-06	9.22E-06	5.34E-06	5.34E-06	4.85E-06	2.21E-06	2.31E-06	0.00E+00	0.00E+00	9.82E-07	1.81E-07	1.15E-06	1.78E-07	1.78E-07	2.67E-06
865	490686.72	3860735.12	8.69E-03	8.71E-03	9.07E-03	3.01E-06	9.08E-06	5.26E-06	5.26E-06	4.78E-06	2.18E-06	2.27E-06	0.00E+00	0.00E+00	9.67E-07	1.78E-07	1.14E-06	1.75E-07	1.76E-07	2.63E-06
866	490736.72	3860735.12	8.55E-03	8.58E-03	8.93E-03	2.96E-06	8.94E-06	5.18E-06	5.18E-06	4.71E-06	2.15E-06	2.23E-06	0.00E+00	0.00E+00	9.52E-07	1.76E-07	1.12E-06	1.72E-07	1.73E-07	2.59E-06
867	490136.72	3860785.12	9.95E-03	9.97E-03	1.04E-02	3.44E-06	1.04E-05	6.02E-06	6.02E-06	5.47E-06	2.50E-06	2.60E-06	0.00E+00	0.00E+00	1.11E-06	2.04E-07	1.30E-06	2.00E-07	2.02E-07	3.01E-06
868	490186.72	3860785.12	9.77E-03	9.79E-03	1.02E-02	3.38E-06	1.02E-05	5.91E-06	5.91E-06	5.37E-06	2.45E-06	2.56E-06	0.00E+00	0.00E+00	1.09E-06	2.01E-07	1.28E-06	1.97E-07	1.98E-07	2.96E-06
869	490236.72	3860785.12	9.59E-03	9.62E-03	1.00E-02	3.32E-06	1.00E-05	5.80E-06	5.80E-06	5.28E-06	2.41E-06	2.51E-06	0.00E+00	0.00E+00	1.07E-06	1.97E-07	1.25E-06	1.93E-07	1.94E-07	2.91E-06
870	490286.72	3860785.12	9.42E-03	9.45E-03	9.85E-03	3.26E-06	9.85E-06	5.70E-06	5.70E-06	5.18E-06	2.37E-06	2.47E-06	0.00E+00	0.00E+00	1.05E-06	1.94E-07	1.23E-06	1.90E-07	1.91E-07	2.86E-06
871	490336.72	3860785.12	9.26E-03	9.29E-03	9.68E-03	3.21E-06	9.68E-06	5.60E-06	5.60E-06	5.09E-06	2.32E-06	2.42E-06	0.00E+00	0.00E+00	1.03E-06	1.90E-07	1.21E-06	1.87E-07	1.88E-07	2.81E-06
872	490386.72	3860785.12	9.12E-03	9.14E-03	9.53E-03	3.16E-06	9.53E-06	5.52E-06	5.52E-06	5.01E-06	2.29E-06	2.38E-06	0.00E+00	0.00E+00	1.01E-06	1.87E-07	1.19E-06	1.84E-07	1.85E-07	2.76E-06
873	490436.72	3860785.12	8.96E-03	8.99E-03	9.36E-03	3.10E-06	9.37E-06	5.42E-06	5.42E-06	4.93E-06	2.25E-06	2.34E-06	0.00E+00	0.00E+00	9.98E-07	1.84E-07	1.17E-06	1.81E-07	1.81E-07	2.72E-06
874	490486.72	3860785.12	8.83E-03	8.85E-03	9.22E-03	3.05E-06	9.22E-06	5.34E-06	5.34E-06	4.85E-06	2.22E-06	2.31E-06	0.00E+00	0.00E+00	9.82E-07	1.81E-07	1.15E-06	1.78E-07	1.79E-07	2.67E-06
875	490536.72	3860785.12	8.67E-03	8.70E-03	9.06E-03	3.00E-06	9.06E-06	5.25E-06	5.25E-06	4.77E-06	2.18E-06	2.27E-06	0.00E+00	0.00E+00	9.65E-07	1.78E-07	1.13E-06	1.75E-07	1.75E-07	2.63E-06
876	490586.72	3860785.12	8.51E-03	8.54E-03	8.89E-03	2.95E-06	8.90E-06	5.15E-06	5.15E-06	4.68E-06	2.14E-06	2.22E-06	0.00E+00	0.00E+00	9.48E-07	1.75E-07	1.11E-06	1.72E-07	1.72E-07	2.58E-06
877	490636.72	3860785.12	8.38E-03	8.40E-03	8.74E-03	2.90E-06	8.75E-06	5.07E-06	5.07E-06	4.61E-06	2.10E-06	2.19E-06	0.00E+00	0.00E+00	9.32E-07	1.72E-07	1.09E-06	1.69E-07	1.69E-07	2.54E-06
878	490686.72	3860785.12	8.25E-03	8.28E-03	8.61E-03	2.86E-06	8.63E-06	4.99E-06	4.99E-06	4.54E-06	2.07E-06	2.16E-06	0.00E+00	0.00E+00	9.19E-07	1.69E-07	1.08E-06	1.66E-07	1.67E-07	2.50E-06
879	490736.72	3860785.12	8.14E-03	8.17E-03	8.49E-03	2.82E-06	8.51E-06	4.92E-06	4.92E-06	4.48E-06	2.04E-06	2.13E-06	0.00E+00	0.00E+00	9.06E-07	1.67E-07	1.06E-06	1.64E-07	1.65E-07	2.47E-06
880	490086.72	3860835.12	9.40E-03	9.42E-03	9.83E-03	3.25E-06	9.82E-06	5.69E-06	5.69E-06	5.17E-06	2.36E-06	2.46E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.23E-06	1.89E-07	1.90E-07	2.85E-06
881	490136.72	3860835.12	9.27E-03	9.29E-03	9.69E-03	3.21E-06	9.68E-06	5.61E-06	5.61E-06	5.10E-06	2.33E-06	2.42E-06	0.00E+00	0.00E+00	1.03E-06	1.90E-07	1.21E-06	1.87E-07	1.88E-07	2.81E-06
882	490186.72	3860835.12	9.11E-03	9.14E-03	9.53E-03	3.15E-06	9.53E-06	5.51E-06	5.51E-06	5.01E-06	2.29E-06	2.38E-06	0.00E+00	0.00E+00	1.01E-06	1.87E-07	1.19E-06	1.84E-07	1.85E-07	2.76E-06
883	490236.72	3860835.12	8.97E-03	8.99E-03	9.37E-03	3.10E-06	9.37E-06	5.43E-06	5.43E-06	4.93E-06	2.25E-06	2.35E-06	0.00E+00	0.00E+00	9.98E-07	1.84E-07	1.17E-06	1.81E-07	1.82E-07	2.72E-06
884	490286.72	3860835.12	8.83E-03	8.86E-03	9.23E-03	3.06E-06	9.23E-06	5.35E-06	5.35E-06	4.86E-06	2.22E-06	2.31E-06	0.00E+00	0.00E+00	9.83E-07	1.81E-07	1.15E-06	1.78E-07	1.79E-07	2.68E-06
885	490336.72	3860835.12	8.70E-03	8.72E-03	9.08E-03	3.01E-06	9.09E-06	5.26E-06	5.26E-06	4.78E-06	2.18E-06	2.27E-06	0.00E+00	0.00E+00	9.68E-07	1.79E-07	1.14E-06	1.75E-07	1.76E-07	2.63E-06
886	490386.72	3860835.12	8.56E-03	8.59E-03	8.94E-03	2.96E-06	8.95E-06	5.18E-06	5.18E-06	4.71E-06	2.15E-06	2.24E-06	0.00E+00	0.00E+00	9.53E-07	1.76E-07	1.12E-06	1.73E-07	1.73E-07	2.59E-06
887	490436.72	3860835.12	8.44E-03	8.47E-03	8.82E-03	2.92E-06	8.83E-06	5.11E-06	5.11E-06	4.65E-06	2.12E-06	2.21E-06	0.00E+00	0.00E+00	9.40E-07	1.73E-07	1.10E-06	1.70E-07	1.71E-07	2.56E-06
888	490486.72	3860835.12	8.32E-03	8.35E-03	8.69E-03	2.88E-06	8.70E-06	5.04E-06	5.04E-06	4.58E-06	2.09E-06	2.18E-06	0.00E+00	0.00E+00	9.27E-07	1.71E-07	1.09E-06	1.68E-07	1.68E-07	2.52E-06
889	490536.72	3860835.12	8.20E-03	8.23E-03	8.56E-03	2.84E-06	8.57E-06	4.96E-06	4.96E-06	4.51E-06	2.06E-06	2.14E-06	0.00E+00	0.00E+00	9.13E-07	1.68E-07	1.07E-06	1.65E-07	1.66E-07	2.48E-06
890	490586.72	3860835.12	8.07E-03	8.10E-03	8.42E-03	2.79E-06	8.44E-06	4.88E-06	4.88E-06	4.44E-06	2.03E-06	2.11E-06	0.00E+00	0.00E+00	8.98E-07	1.66E-07	1.06E-06	1.63E-07	1.63E-07	2.45E-06
891	490636.72	3860835.12	7.95E-03	7.97E-03	8.29E-03	2.75E-06	8.31E-06	4.81E-06	4.81E-06	4.37E-06	2.00E-06	2.08E-06	0.00E+00	0.00E+00	8.85E-07	1.63E-07	1.04E-06	1.60E-07	1.61E-07	2.41E-06
892	490686.72	3860835.12	7.84E-03	7.86E-03	8.18E-03	2.71E-06	8.19E-06	4.74E-06	4.74E-06	4.31E-06	1.97E-06	2.05E-06	0.00E+00	0.00E+00	8.72E-07	1.61E-07	1.02E-06	1.58E-07	1.58E-07	2.37E-06
893	490736.72	3860835.12	7.74E-03	7.77E-03	8.07E-03	2.68E-06	8.09E-06	4.68E-06	4.68E-06	4.26E-06	1.94E-06	2.02E-06	0.00E+00	0.00E+00	8.62E-07	1.59E-07	1.01E-06	1.56E-07	1.56E-07	2.35E-06
894	490086.72	3860885.12	8.72E-03	8.75E-03	9.12E-03	3.02E-06	9.12E-06	5.28E-06	5.28E-06	4.80E-06	2.19E-06	2.28E-06	0.00E+00	0.00E+00	9.71E-07	1.79E-07	1.14E-06	1.76E-07	1.77E-07	2.64E-06
895	490136.72	3860885.12	8.61E-03	8.64E-03	9.00E-03	2.98E-06	9.00E-06	5.21E-06	5.21E-06	4.74E-06	2.16E-06	2.25E-06	0.00E+00	0.00E+00	9.59E-07	1.77E-07	1.13E-06	1.74E-07	1.74E-07	2.61E-06
896	490186.72	3860885.12	8.50E-03	8.52E-03	8.88E-03	2.94E-06	8.88E-06	5.14E-06	5.14E-06	4.67E-06	2.13E-06	2.22E-06	0.00E+00	0.00E+00	9.46E-07	1.75E-07	1.11E-06	1.71E-07	1.72E-07	2.57E-06
897	490236.72	3860885.12	8.38E-03	8.41E-03	8.76E-03	2.90E-06	8.76E-06	5.07E-06	5.07E-06	4.61E-06	2.10E-06	2.19E-06	0.00E+00	0.00E+00	9.33E-07	1.72E-07	1.10E-06	1.69E-07	1.70E-07	2.54E-06
898	490286.72	3860885.12	8.27E-03	8.30E-03	8.64E-03	2.86E-06	8.65E-06	5.00E-06	5.00E-06	4.55E-06	2.08E-06	2.16E-06	0.00E+00	0.00E+00	9.21E-07	1.70E-07	1.08E-06	1.67E-07	1.67E-07	2.51E-06
899	490336.72	3860885.12	8.16E-03	8.18E-03	8.52E-03	2.82E-06	8.52E-06	4.93E-06	4.93E-06	4.49E-06	2.05E-06	2.13E-06	0.00E+00	0.00E+00	9.08E-07	1.68E-07	1.07E-06	1.64E-07	1.65E-07	2.47E-06
900	490386.72	3860885.12	8.05E-03	8.08E-03	8.41E-03	2.79E-06	8.42E-06	4.87E-06	4.87E-06	4.43E-06	2.02E-06	2.10E-06	0.00E+00	0.00E+00	8.96E-07	1.65E-07	1.05E-06	1.62E-07	1.63E-07	2.44E-06
901	490436.72	3860885.12	7.95E-03	7.98E-03	8.30E-03	2.75E-06	8.31E-06	4.81E-06	4.81E-06	4.38E-06	2.00E-06	2.08E-06	0.00E+00	0.00E+00	8.85E-07	1.63E-07	1.04E-06	1.60E-07	1.61E-07	2.41E-06
902	490486.72	3860885.12	7.85E-03	7.87E-03	8.19E-03	2.72E-06	8.20E-06	4.75E-06	4.75E-06	4.32E-06	1.97E-06	2.05E-06	0.00E+00	0.00E+00	8.74E-07	1.61E-07	1.03E-06	1.58E-07	1.59E-07	2.38E-06
903	490536.72	3860885.12	7.74E-03	7.77E-03	8.08E-03	2.68E-06	8.09E-06	4.69E-06	4.69E-06	4.26E-06	1.94E-06	2.02E-06	0.00E+00	0.00E+00	8.62E-07	1.59E-07	1.01E-06	1.56E-07	1.57E-07	2.35E-06
904	490586.72	3860885.12	7.64E-03	7.66E-03	7.97E-03	2.64E-06	7.98E-06	4.62E-06	4.62E-06	4.20E-06	1.92E-06	1.99E-06	0.00E+00	0.00E+00	8.50E-07	1.57E-07	9.99E-07	1.54E-07	1.54E-07	2.31E-06
905	490636.72	3860885.12	7.53E-03	7.56E-03	7.86E-03	2.61E-06	7.87E-06	4.56E-06	4.56E-06	4.14E-06	1.89E-06	1.97E-06	0.00E+00	0.00E+00	8.38E-07	1.55E-07	9.85E-07	1.52E-07	1.52E-07	2.28E-06
906	490686.72	3860885.12	7.43E-03	7.46E-03	7.75E-03	2.57E-06	7.77E-06	4.50E-06	4.50E-06	4.09E-06	1.87E-06	1.94E-06	0.00E+00	0.00E+00	8.27E-07	1.53E-07	9.72E-07	1.50E-07	1.50E-07	2.25E-06
907	490736.72	3860885.12	7.34E-03	7.37E-03	7.65E-03	2.54E-06	7.67E-06	4.44E-06	4.44E-06	4.04E-06	1.84E-06	1.92E-06	0.00E+00	0.00E+00	8.17E-07	1.51E-07	9.60E-07	1.48E-07	1.48E-07	2.22E-06
908	490086.72	3860935.12	8.08E-03	8.11E-03	8.44E-03	2.80E-06	8.45E-06	4.89E-06	4.89E-06	4.45E-06	2.03E-06	2.11E-06	0.00E+00	0.00E+00	9.00E-07	1.66E-07	1.06E-06	1.63E-07	1.64E-07	2.45E-06
909	490136.72	3860935.12	7.99E-03	8.01E-03	8.35E-03	2.77E-06	8.35E-06	4.83E-06	4.83E-06	4.40E-06	2.01E-06	2.09E-06	0.00E+00	0.00E+00	8.89E-07	1.64E-07	1.04E-06	1.61E-07	1.62E-07	2.42E-06
910	490186.72	3860935.12	7.91E-03	7.94E-03	8.26E-03	2.74E-06	8.27E-06	4.79E-06	4.79E-06	4.35E-06	1.99E-06	2.07E-06	0.00E+00	0.00E+00	8.81E-07	1.62E-07	1.03E-06	1.59E-07	1.60E-07	2.40E-06
911	490236.72	3860935.12	7.83E-03	7.85E-03	8.17E-03	2.71E-06	8.18E-06	4.74E-06	4.74E-06	4.31E-06	1.97E-06	2.05E-06	0.00E+00	0.00E+00	8.71E-07	1.61E-07	1.02E-06	1.58E-07	1.58E-07	2.37E-06
912	490286.72	3860935.12	7.74E-03	7.77E-03	8.09E-03	2.68E-06	8.09E-06	4.69E-06	4.69E-06	4.26E-06	1.94E-06	2.02E-06	0.00E+00	0.00E+00	8.62E-07	1.59E-07	1.01E-06	1.56E-07	1.57E-07	2.35E-06
913	490336.72	3860935.12	7.65E-03	7.67E-03	7.99E-03	2.65E-06	8.00E-06	4.63E-06	4.63E-06	4.21E-06	1.92E-06	2.00E-06	0.00E+00	0.00E+00	8.52E-07	1.57E-07	1.00E-06	1.54E-07	1.55E-07	2.32E-06
914	490386.72	3860935.12	7.57E-03	7.59E-03	7.90E-03	2.62E-06	7.91E-06	4.58E-06	4.58E-06	4.16E-06	1.90E-06	1.98E-06	0.00E+00	0.00E+00	8.42E-07	1.55E-07	9.89E-07	1.53E-07	1.53E-07	2.29E-06
915	490436.72	3860935.12	7.49E-03	7.51E-03	7.81E-03	2.59E-06	7.83E-06	4.53E-06	4.53E-06	4.12E-06	1.88E-06	1.96E-06	0.00E+00	0.00E+00	8.33E-07	1.54E-07	9.79E-07	1.51E-07	1.51E-07	2.27E-06
916	490486.72	3860935.12	7.40E-03	7.42E-03	7.72E-03	2.56E-06	7.73E-06	4.48E-06	4.48E-06	4.07E-06	1.86E-06	1.93E-06	0.00E+00	0.00E+00	8.23E-07	1.52E-07	9.67E-07	1.49E-07	1.50E-07	2.24E-06
917	490536.72	3860935.12	7.31E-03	7.34E-03	7.63E-03	2.53E-06	7.64E-06	4.42E-06	4.42E-06	4.02E-06	1.84E-06	1.91E-06	0.00E+00	0.00E+00	8.14E-07	1.50E-07	9.56E-07	1.47E-07	1.48E-07	2.22E-06
918	490586.72	3860935.12	7.22E-03	7.25E-03	7.53E-03	2.50E-06	7.55E-06	4.37E-06	4.37E-06	3.97E-06	1.81E-06	1.88E-06	0.00E+00	0.00E+00	8.04E-07	1.48E-07	9.44E-07	1.46E-07	1.46E-07	2.19E-06
919	490636.72	3860935.12	7.13E-03	7.16E-03	7.44E-03	2.47E-06	7.45E-06	4.32E-06	4.32E-06	3.93E-06	1.79E-06	1.86E-06	0.00E+00	0.00E+00	7.94E-07	1.46E-07	9.33E-07	1.44E-07	1.44E-07	2.16E-06
920	490686.72	3860935.12	7.05E-03	7.07E-03	7.35E-03	2.44E-06	7.37E-06	4.26E-06	4.26E-06	3.88E-06	1.77E-06	1.84E-06	0.00E+00	0.00E+00	7.84E-07	1.45E-07	9.22E-07	1.42E-07	1.42E-07	2.14E-06
921	490736.72	3860935.12	6.96E-03	6.99E-03	7.26E-03	2.41E-06	7.28E-06	4.21E-06	4.21E-06	3.83E-06	1.75E-06	1.82E-06	0.00E+00	0.00E+00	7.75E-07	1.43E-07	9.11E-07	1.40E-07	1.41E-07	2.11E-06
922	490786.72	3860935.12	6.89E-03	6.91E-03	7.17E-03	2.38E-06	7.20E-06	4.17E-06	4.17E-06	3.79E-06	1.73E-06	1.80E-06	0.00E+00	0.00E+00	7.66E-07	1.41E-07	9.01E-07	1.39E-07	1.39E-07	2.09E-06
923	490836.72	3860935.12	6.82E-03	6.84E-03	7.10E-03	2.36E-06	7.13E-06	4.13E-06	4.13E-06	3.75E-06	1.71E-06	1.78E-06	0.00E+00	0.00E+00	7.59E-07	1.40E-07	8.92E-07	1.38E-07	1.38E-07	2.07E-06
924	490086.72	3860985.12	7.51E-03	7.53E-03	7.84E-03	2.60E-06	7.85E-06	4.54E-06	4.54E-06	4.13E-06	1.88E-06	1.96E-06	0.00E+00	0.00E+00	8.36E-07	1.54E-07	9.81E-07	1.51E-07	1.52E-07	2.27E-06
925	490136.72	3860985.12	7.44E-03	7.47E-03	7.77E-03	2.58E-06	7.78E-06	4.50E-06	4.50E-06	4.10E-06	1.87E-06	1.94E-06	0.00E+00	0.00E+00	8.29E-07	1.53E-07	9.73E-07	1.50E-07	1.51E-07	2.26E-06
926	490186.72	3860985.12	7.39E-03	7.41E-03	7.71E-03	2.56E-06	7.72E-06	4.47E-06	4.47E-06	4.06E-06	1.85E-06	1.93E-06	0.00E+00	0.00E+00	8.22E-07	1.52E-07	9.66E-07	1.49E-07	1.49E-07	2.24E-06
927	490236.72	3860985.12	7.31E-03	7.34E-03	7.63E-03	2.53E-06	7.64E-06	4.42E-06	4.42E-06	4.02E-06	1.84E-06	1.91E-06	0.00E+00	0.00E+00	8.14E-07	1.50E-07	9.56E-07	1.47E-07	1.48E-07	2.22E-06
928	490286.72	3860985.12	7.24E-03	7.27E-03	7.56E-03	2.51E-06	7.57E-06	4.38E-06	4.38E-06	3.99E-06	1.82E-06	1.89E-06	0.00E+00	0.00E+00	8.06E-07	1.49E-07	9.47E-07	1.46E-07	1.46E-07	2.19E-06
929	490336.72	3860985.12	7.17E-03	7.20E-03	7.49E-03	2.48E-06	7.50E-06	4.34E-06	4.34E-06	3.95E-06	1.80E-06	1.87E-06	0.00E+00	0.00E+00	7.99E-07	1.47E-07	9.38E-07	1.45E-07	1.45E-07	2.17E-06
930	490386.72	3860985.12	7.11E-03	7.13E-03	7.41E-03	2.46E-06	7.43E-06	4.30E-06	4.30E-06	3.91E-06	1.78E-06	1.86E-06	0.00E+00	0.00E+00	7.91E-07	1.46E-07	9.29E-07	1.43E-07	1.44E-07	2.15E-06
931	490436.72	3860985.12	7.05E-03	7.07E-03	7.35E-03	2.44E-06	7.37E-06	4.26E-06	4.26E-06	3.88E-06	1.77E-06	1.84E-06	0.00E+00	0.00E+00	7.85E-07	1.45E-07	9.22E-07	1.42E-07	1.42E-07	2.14E-06
932	490486.72	3860985.12	6.97E-03	7.00E-03	7.27E-03	2.41E-06	7.29E-06	4.22E-06	4.22E-06	3.84E-06	1.75E-06	1.82E-06	0.00E+00	0.00E+00	7.76E-07	1.43E-07	9.12E-07	1.41E-07	1.41E-07	2.11E-06
933	490536.72	3860985.12	6.90E-03	6.92E-03	7.19E-03	2.39E-06	7.21E-06	4.17E-06	4.17E-06	3.80E-06	1.73E-06	1.80E-06	0.00E+00	0.00E+00	7.68E-07	1.42E-07	9.02E-07	1.39E-07	1.39E-07	2.09E-06
934	490586.72	3860985.12	6.82E-03	6.85E-03	7.11E-03	2.36E-06	7.13E-06	4.13E-06	4.13E-06	3.76E-06	1.71E-06	1.78E-06	0.00E+00	0.00E+00	7.59E-07	1.40E-07	8.92E-07	1.38E-07	1.38E-07	2.07E-06
935	490636.72	3860985.12	6.75E-03	6.78E-03	7.04E-03	2.34E-06	7.06E-06	4.09E-06	4.09E-06	3.72E-06	1.70E-06	1.76E-06	0.00E+00	0.00E+00	7.52E-07	1.39E-07	8.83E-07	1.36E-07	1.36E-07	2.05E-06
936	490686.72	3860985.12	6.68E-03	6.70E-03	6.96E-03	2.31E-06	6.98E-06	4.04E-06	4.04E-06	3.68E-06	1.68E-06	1.74E-06	0.00E+00	0.00E+00	7.43E-07	1.37E-07	8.73E-07	1.35E-07	1.35E-07	2.02E-06
937	490736.72	3860985.12	6.60E-03	6.63E-03	6.88E-03	2.29E-06	6.90E-06	4.00E-06	4.00E-06	3.64E-06	1.66E-06	1.72E-06	0.00E+00	0.00E+00	7.35E-07	1.36E-07	8.64E-07	1.33E-07	1.33E-07	2.00E-06
938	490786.72	3860985.12	6.54E-03	6.56E-03	6.81E-03	2.26E-06	6.83E-06	3.95E-06	3.95E-06	3.60E-06	1.64E-06	1.70E-06	0.00E+00	0.00E+00	7.28E-07	1.34E-07	8.55E-07	1.32E-07	1.32E-07	1.98E-06

939	490836.72	3860985.12	6.48E-03	6.50E-03	6.74E-03	2.24E-06	6.77E-06	3.92E-06	3.92E-06	3.57E-06	1.63E-06	1.69E-06	0.00E+00	0.00E+00	7.21E-07	1.33E-07	8.47E-07	1.31E-07	1.31E-07	1.96E-06
940	490086.72	3861035.12	6.98E-03	7.00E-03	7.28E-03	2.41E-06	7.29E-06	4.22E-06	4.22E-06	3.84E-06	1.75E-06	1.82E-06	0.00E+00	0.00E+00	7.77E-07	1.43E-07	9.12E-07	1.41E-07	1.41E-07	2.11E-06
941	490136.72	3861035.12	6.93E-03	6.96E-03	7.23E-03	2.40E-06	7.25E-06	4.20E-06	4.20E-06	3.82E-06	1.74E-06	1.81E-06	0.00E+00	0.00E+00	7.72E-07	1.42E-07	9.07E-07	1.40E-07	1.40E-07	2.10E-06
942	490186.72	3861035.12	6.89E-03	6.91E-03	7.18E-03	2.38E-06	7.20E-06	4.17E-06	4.17E-06	3.79E-06	1.73E-06	1.80E-06	0.00E+00	0.00E+00	7.66E-07	1.41E-07	9.00E-07	1.39E-07	1.39E-07	2.09E-06
943	490236.72	3861035.12	6.84E-03	6.86E-03	7.13E-03	2.37E-06	7.15E-06	4.14E-06	4.14E-06	3.76E-06	1.72E-06	1.79E-06	0.00E+00	0.00E+00	7.61E-07	1.40E-07	8.94E-07	1.38E-07	1.38E-07	2.07E-06
944	490286.72	3861035.12	6.78E-03	6.81E-03	7.07E-03	2.35E-06	7.09E-06	4.10E-06	4.10E-06	3.73E-06	1.70E-06	1.77E-06	0.00E+00	0.00E+00	7.55E-07	1.39E-07	8.87E-07	1.37E-07	1.37E-07	2.06E-06
945	490336.72	3861035.12	6.73E-03	6.75E-03	7.01E-03	2.33E-06	7.03E-06	4.07E-06	4.07E-06	3.70E-06	1.69E-06	1.76E-06	0.00E+00	0.00E+00	7.49E-07	1.38E-07	8.80E-07	1.36E-07	1.36E-07	2.04E-06
946	490386.72	3861035.12	6.68E-03	6.70E-03	6.97E-03	2.31E-06	6.98E-06	4.04E-06	4.04E-06	3.68E-06	1.68E-06	1.74E-06	0.00E+00	0.00E+00	7.44E-07	1.37E-07	8.74E-07	1.35E-07	1.35E-07	2.02E-06
947	490436.72	3861035.12	6.63E-03	6.66E-03	6.92E-03	2.30E-06	6.93E-06	4.01E-06	4.01E-06	3.65E-06	1.67E-06	1.73E-06	0.00E+00	0.00E+00	7.39E-07	1.36E-07	8.68E-07	1.34E-07	1.34E-07	2.01E-06
948	490486.72	3861035.12	6.58E-03	6.60E-03	6.86E-03	2.28E-06	6.87E-06	3.98E-06	3.98E-06	3.62E-06	1.65E-06	1.72E-06	0.00E+00	0.00E+00	7.32E-07	1.35E-07	8.60E-07	1.33E-07	1.33E-07	1.99E-06
949	490536.72	3861035.12	6.52E-03	6.54E-03	6.79E-03	2.26E-06	6.81E-06	3.94E-06	3.94E-06	3.59E-06	1.64E-06	1.70E-06	0.00E+00	0.00E+00	7.25E-07	1.34E-07	8.52E-07	1.31E-07	1.32E-07	1.97E-06
950	490586.72	3861035.12	6.45E-03	6.47E-03	6.72E-03	2.23E-06	6.74E-06	3.90E-06	3.90E-06	3.55E-06	1.62E-06	1.68E-06	0.00E+00	0.00E+00	7.18E-07	1.32E-07	8.44E-07	1.30E-07	1.30E-07	1.95E-06
951	490636.72	3861035.12	6.39E-03	6.41E-03	6.65E-03	2.21E-06	6.68E-06	3.86E-06	3.86E-06	3.52E-06	1.60E-06	1.67E-06	0.00E+00	0.00E+00	7.11E-07	1.31E-07	8.35E-07	1.29E-07	1.29E-07	1.94E-06
952	490686.72	3861035.12	6.32E-03	6.35E-03	6.59E-03	2.19E-06	6.61E-06	3.83E-06	3.83E-06	3.48E-06	1.59E-06	1.65E-06	0.00E+00	0.00E+00	7.04E-07	1.30E-07	8.27E-07	1.28E-07	1.28E-07	1.92E-06
953	490736.72	3861035.12	6.26E-03	6.29E-03	6.52E-03	2.17E-06	6.55E-06	3.79E-06	3.79E-06	3.45E-06	1.57E-06	1.63E-06	0.00E+00	0.00E+00	6.97E-07	1.29E-07	8.19E-07	1.26E-07	1.26E-07	1.90E-06
954	490786.72	3861035.12	6.21E-03	6.23E-03	6.46E-03	2.15E-06	6.49E-06	3.75E-06	3.75E-06	3.42E-06	1.56E-06	1.62E-06	0.00E+00	0.00E+00	6.91E-07	1.27E-07	8.12E-07	1.25E-07	1.25E-07	1.88E-06
955	490836.72	3861035.12	6.15E-03	6.18E-03	6.40E-03	2.13E-06	6.43E-06	3.72E-06	3.72E-06	3.39E-06	1.55E-06	1.60E-06	0.00E+00	0.00E+00	6.85E-07	1.26E-07	8.05E-07	1.24E-07	1.24E-07	1.86E-06
956	490086.72	3861085.12	6.50E-03	6.52E-03	6.77E-03	2.25E-06	6.79E-06	3.93E-06	3.93E-06	3.58E-06	1.63E-06	1.70E-06	0.00E+00	0.00E+00	7.23E-07	1.33E-07	8.50E-07	1.31E-07	1.31E-07	1.97E-06
957	490136.72	3861085.12	6.47E-03	6.50E-03	6.75E-03	2.24E-06	6.77E-06	3.92E-06	3.92E-06	3.56E-06	1.63E-06	1.69E-06	0.00E+00	0.00E+00	7.21E-07	1.33E-07	8.47E-07	1.31E-07	1.31E-07	1.96E-06
958	490186.72	3861085.12	6.45E-03	6.47E-03	6.73E-03	2.23E-06	6.74E-06	3.90E-06	3.90E-06	3.55E-06	1.62E-06	1.68E-06	0.00E+00	0.00E+00	7.18E-07	1.32E-07	8.44E-07	1.30E-07	1.30E-07	1.95E-06
959	490236.72	3861085.12	6.41E-03	6.43E-03	6.68E-03	2.22E-06	6.70E-06	3.88E-06	3.88E-06	3.53E-06	1.61E-06	1.67E-06	0.00E+00	0.00E+00	7.13E-07	1.32E-07	8.38E-07	1.29E-07	1.29E-07	1.94E-06
960	490286.72	3861085.12	6.36E-03	6.39E-03	6.63E-03	2.20E-06	6.65E-06	3.85E-06	3.85E-06	3.50E-06	1.60E-06	1.66E-06	0.00E+00	0.00E+00	7.08E-07	1.31E-07	8.32E-07	1.28E-07	1.29E-07	1.93E-06
961	490336.72	3861085.12	6.32E-03	6.34E-03	6.59E-03	2.19E-06	6.61E-06	3.82E-06	3.82E-06	3.48E-06	1.59E-06	1.65E-06	0.00E+00	0.00E+00	7.03E-07	1.30E-07	8.27E-07	1.27E-07	1.28E-07	1.91E-06
962	490386.72	3861085.12	6.29E-03	6.31E-03	6.55E-03	2.18E-06	6.57E-06	3.80E-06	3.80E-06	3.46E-06	1.58E-06	1.64E-06	0.00E+00	0.00E+00	7.00E-07	1.29E-07	8.22E-07	1.27E-07	1.27E-07	1.90E-06
963	490436.72	3861085.12	6.24E-03	6.27E-03	6.51E-03	2.16E-06	6.53E-06	3.78E-06	3.78E-06	3.44E-06	1.57E-06	1.63E-06	0.00E+00	0.00E+00	6.95E-07	1.28E-07	8.17E-07	1.26E-07	1.26E-07	1.89E-06
964	490486.72	3861085.12	6.20E-03	6.22E-03	6.46E-03	2.15E-06	6.48E-06	3.75E-06	3.75E-06	3.41E-06	1.56E-06	1.62E-06	0.00E+00	0.00E+00	6.90E-07	1.27E-07	8.11E-07	1.25E-07	1.25E-07	1.88E-06
965	490536.72	3861085.12	6.16E-03	6.18E-03	6.41E-03	2.13E-06	6.44E-06	3.73E-06	3.73E-06	3.39E-06	1.55E-06	1.61E-06	0.00E+00	0.00E+00	6.85E-07	1.26E-07	8.05E-07	1.24E-07	1.24E-07	1.87E-06
966	490586.72	3861085.12	6.10E-03	6.13E-03	6.36E-03	2.11E-06	6.38E-06	3.69E-06	3.69E-06	3.36E-06	1.53E-06	1.59E-06	0.00E+00	0.00E+00	6.79E-07	1.25E-07	7.98E-07	1.23E-07	1.23E-07	1.85E-06
967	490636.72	3861085.12	6.04E-03	6.07E-03	6.29E-03	2.09E-06	6.32E-06	3.66E-06	3.66E-06	3.33E-06	1.52E-06	1.58E-06	0.00E+00	0.00E+00	6.73E-07	1.24E-07	7.91E-07	1.22E-07	1.22E-07	1.83E-06
968	490686.72	3861085.12	5.99E-03	6.01E-03	6.24E-03	2.07E-06	6.26E-06	3.62E-06	3.62E-06	3.30E-06	1.50E-06	1.56E-06	0.00E+00	0.00E+00	6.67E-07	1.23E-07	7.84E-07	1.21E-07	1.21E-07	1.82E-06
969	490736.72	3861085.12	5.94E-03	5.96E-03	6.18E-03	2.06E-06	6.21E-06	3.59E-06	3.59E-06	3.27E-06	1.49E-06	1.55E-06	0.00E+00	0.00E+00	6.61E-07	1.22E-07	7.77E-07	1.20E-07	1.20E-07	1.80E-06
970	490786.72	3861085.12	5.89E-03	5.91E-03	6.13E-03	2.04E-06	6.16E-06	3.56E-06	3.56E-06	3.24E-06	1.48E-06	1.53E-06	0.00E+00	0.00E+00	6.56E-07	1.21E-07	7.71E-07	1.19E-07	1.19E-07	1.79E-06
971	490836.72	3861085.12	5.84E-03	5.87E-03	6.08E-03	2.02E-06	6.11E-06	3.54E-06	3.54E-06	3.22E-06	1.47E-06	1.52E-06	0.00E+00	0.00E+00	6.50E-07	1.20E-07	7.65E-07	1.18E-07	1.18E-07	1.77E-06
972	490086.72	3861135.12	6.06E-03	6.09E-03	6.32E-03	2.10E-06	6.34E-06	3.67E-06	3.67E-06	3.34E-06	1.52E-06	1.58E-06	0.00E+00	0.00E+00	6.75E-07	1.25E-07	7.93E-07	1.22E-07	1.22E-07	1.84E-06
973	490136.72	3861135.12	6.05E-03	6.07E-03	6.30E-03	2.09E-06	6.32E-06	3.66E-06	3.66E-06	3.33E-06	1.52E-06	1.58E-06	0.00E+00	0.00E+00	6.73E-07	1.24E-07	7.91E-07	1.22E-07	1.22E-07	1.83E-06
974	490186.72	3861135.12	6.03E-03	6.05E-03	6.28E-03	2.09E-06	6.30E-06	3.65E-06	3.65E-06	3.32E-06	1.51E-06	1.57E-06	0.00E+00	0.00E+00	6.71E-07	1.24E-07	7.89E-07	1.22E-07	1.22E-07	1.83E-06
975	490236.72	3861135.12	6.01E-03	6.03E-03	6.26E-03	2.08E-06	6.28E-06	3.64E-06	3.64E-06	3.31E-06	1.51E-06	1.57E-06	0.00E+00	0.00E+00	6.69E-07	1.23E-07	7.86E-07	1.21E-07	1.21E-07	1.82E-06
976	490286.72	3861135.12	5.98E-03	6.00E-03	6.23E-03	2.07E-06	6.25E-06	3.62E-06	3.62E-06	3.29E-06	1.50E-06	1.56E-06	0.00E+00	0.00E+00	6.66E-07	1.23E-07	7.82E-07	1.21E-07	1.21E-07	1.81E-06
977	490336.72	3861135.12	5.95E-03	5.97E-03	6.19E-03	2.06E-06	6.21E-06	3.60E-06	3.60E-06	3.27E-06	1.49E-06	1.55E-06	0.00E+00	0.00E+00	6.62E-07	1.22E-07	7.78E-07	1.20E-07	1.20E-07	1.80E-06
978	490386.72	3861135.12	5.92E-03	5.94E-03	6.16E-03	2.05E-06	6.18E-06	3.58E-06	3.58E-06	3.26E-06	1.49E-06	1.54E-06	0.00E+00	0.00E+00	6.59E-07	1.21E-07	7.74E-07	1.19E-07	1.19E-07	1.79E-06
979	490436.72	3861135.12	5.88E-03	5.90E-03	6.13E-03	2.04E-06	6.15E-06	3.56E-06	3.56E-06	3.24E-06	1.48E-06	1.53E-06	0.00E+00	0.00E+00	6.55E-07	1.21E-07	7.69E-07	1.19E-07	1.19E-07	1.78E-06
980	490486.72	3861135.12	5.85E-03	5.87E-03	6.09E-03	2.02E-06	6.11E-06	3.54E-06	3.54E-06	3.22E-06	1.47E-06	1.52E-06	0.00E+00	0.00E+00	6.51E-07	1.20E-07	7.65E-07	1.18E-07	1.18E-07	1.77E-06
981	490536.72	3861135.12	5.81E-03	5.84E-03	6.05E-03	2.01E-06	6.08E-06	3.52E-06	3.52E-06	3.20E-06	1.46E-06	1.51E-06	0.00E+00	0.00E+00	6.47E-07	1.19E-07	7.60E-07	1.17E-07	1.17E-07	1.76E-06
982	490586.72	3861135.12	5.77E-03	5.79E-03	6.01E-03	2.00E-06	6.03E-06	3.49E-06	3.49E-06	3.18E-06	1.45E-06	1.50E-06	0.00E+00	0.00E+00	6.42E-07	1.19E-07	7.55E-07	1.16E-07	1.16E-07	1.75E-06
983	490636.72	3861135.12	5.72E-03	5.75E-03	5.96E-03	1.98E-06	5.98E-06	3.46E-06	3.46E-06	3.15E-06	1.44E-06	1.49E-06	0.00E+00	0.00E+00	6.37E-07	1.18E-07	7.49E-07	1.15E-07	1.15E-07	1.73E-06
984	490686.72	3861135.12	5.68E-03	5.70E-03	5.91E-03	1.97E-06	5.94E-06	3.44E-06	3.44E-06	3.13E-06	1.43E-06	1.48E-06	0.00E+00	0.00E+00	6.32E-07	1.17E-07	7.43E-07	1.15E-07	1.15E-07	1.72E-06
985	490736.72	3861135.12	5.64E-03	5.66E-03	5.87E-03	1.95E-06	5.90E-06	3.41E-06	3.41E-06	3.11E-06	1.42E-06	1.47E-06	0.00E+00	0.00E+00	6.28E-07	1.16E-07	7.38E-07	1.14E-07	1.14E-07	1.71E-06
986	490786.72	3861135.12	5.60E-03	5.62E-03	5.83E-03	1.94E-06	5.85E-06	3.39E-06	3.39E-06	3.08E-06	1.41E-06	1.46E-06	0.00E+00	0.00E+00	6.23E-07	1.15E-07	7.33E-07	1.13E-07	1.13E-07	1.70E-06
987	490836.72	3861135.12	5.56E-03	5.58E-03	5.78E-03	1.92E-06	5.81E-06	3.36E-06	3.36E-06	3.06E-06	1.40E-06	1.45E-06	0.00E+00	0.00E+00	6.18E-07	1.14E-07	7.27E-07	1.12E-07	1.12E-07	1.68E-06
988	490086.72	3861185.12	5.68E-03	5.70E-03	5.91E-03	1.96E-06	5.93E-06	3.43E-06	3.43E-06	3.13E-06	1.43E-06	1.48E-06	0.00E+00	0.00E+00	6.32E-07	1.17E-07	7.43E-07	1.15E-07	1.15E-07	1.72E-06
989	490136.72	3861185.12	5.65E-03	5.68E-03	5.89E-03	1.96E-06	5.91E-06	3.42E-06	3.42E-06	3.11E-06	1.42E-06	1.47E-06	0.00E+00	0.00E+00	6.29E-07	1.16E-07	7.40E-07	1.14E-07	1.14E-07	1.71E-06
990	490186.72	3861185.12	5.64E-03	5.66E-03	5.87E-03	1.95E-06	5.89E-06	3.41E-06	3.41E-06	3.11E-06	1.42E-06	1.47E-06	0.00E+00	0.00E+00	6.28E-07	1.16E-07	7.38E-07	1.14E-07	1.14E-07	1.71E-06
991	490236.72	3861185.12	5.63E-03	5.65E-03	5.86E-03	1.95E-06	5.88E-06	3.40E-06	3.40E-06	3.10E-06	1.41E-06	1.47E-06	0.00E+00	0.00E+00	6.26E-07	1.16E-07	7.36E-07	1.14E-07	1.14E-07	1.70E-06
992	490286.72	3861185.12	5.62E-03	5.64E-03	5.85E-03	1.94E-06	5.87E-06	3.40E-06	3.40E-06	3.09E-06	1.41E-06	1.46E-06	0.00E+00	0.00E+00	6.25E-07	1.15E-07	7.35E-07	1.13E-07	1.13E-07	1.70E-06
993	490336.72	3861185.12	5.58E-03	5.60E-03	5.81E-03	1.93E-06	5.83E-06	3.38E-06	3.38E-06	3.07E-06	1.40E-06	1.45E-06	0.00E+00	0.00E+00	6.21E-07	1.15E-07	7.30E-07	1.13E-07	1.13E-07	1.69E-06
994	490386.72	3861185.12	5.56E-03	5.58E-03	5.79E-03	1.93E-06	5.81E-06	3.37E-06	3.37E-06	3.06E-06	1.40E-06	1.45E-06	0.00E+00	0.00E+00	6.19E-07	1.14E-07	7.28E-07	1.12E-07	1.12E-07	1.69E-06
995	490436.72	3861185.12	5.55E-03	5.57E-03	5.77E-03	1.92E-06	5.80E-06	3.36E-06	3.36E-06	3.05E-06	1.39E-06	1.44E-06	0.00E+00	0.00E+00	6.17E-07	1.14E-07	7.25E-07	1.12E-07	1.12E-07	1.68E-06
996	490486.72	3861185.12	5.52E-03	5.54E-03	5.74E-03	1.91E-06	5.77E-06	3.34E-06	3.34E-06	3.04E-06	1.39E-06	1.44E-06	0.00E+00	0.00E+00	6.14E-07	1.13E-07	7.22E-07	1.11E-07	1.11E-07	1.67E-06
997	490536.72	3861185.12	5.50E-03	5.52E-03	5.73E-03	1.90E-06	5.75E-06	3.33E-06	3.33E-06	3.03E-06	1.38E-06	1.43E-06	0.00E+00	0.00E+00	6.12E-07	1.13E-07	7.20E-07	1.11E-07	1.11E-07	1.67E-06
998	490586.72	3861185.12	5.47E-03	5.49E-03	5.69E-03	1.89E-06	5.71E-06	3.31E-06	3.31E-06	3.01E-06	1.37E-06	1.42E-06	0.00E+00	0.00E+00	6.09E-07	1.12E-07	7.15E-07	1.10E-07	1.10E-07	1.66E-06
999	490636.72	3861185.12	5.42E-03	5.44E-03	5.64E-03	1.88E-06	5.67E-06	3.28E-06	3.28E-06	2.99E-06	1.36E-06	1.41E-06	0.00E+00	0.00E+00	6.04E-07	1.11E-07	7.10E-07	1.09E-07	1.09E-07	1.64E-06
1000	490686.72	3861185.12	5.39E-03	5.41E-03	5.61E-03	1.87E-06	5.63E-06	3.26E-06	3.26E-06	2.97E-06	1.35E-06	1.40E-06	0.00E+00	0.00E+00	6.00E-07	1.11E-07	7.05E-07	1.09E-07	1.09E-07	1.63E-06
1001	490736.72	3861185.12	5.36E-03	5.38E-03	5.57E-03	1.86E-06	5.60E-06	3.24E-06	3.24E-06	2.95E-06	1.35E-06	1.40E-06	0.00E+00	0.00E+00	5.97E-07	1.10E-07	7.01E-07	1.08E-07	1.08E-07	1.62E-06
1002	490786.72	3861185.12	5.33E-03	5.35E-03	5.54E-03	1.84E-06	5.57E-06	3.22E-06	3.22E-06	2.93E-06	1.34E-06	1.39E-06	0.00E+00	0.00E+00	5.93E-07	1.09E-07	6.97E-07	1.07E-07	1.07E-07	1.61E-06
1003	490836.72	3861185.12	5.29E-03	5.31E-03	5.50E-03	1.83E-06	5.53E-06	3.20E-06	3.20E-06	2.91E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.89E-07	1.09E-07	6.92E-07	1.07E-07	1.07E-07	1.60E-06
1004	490086.72	3861235.12	5.33E-03	5.35E-03	5.54E-03	1.84E-06	5.57E-06	3.22E-06	3.22E-06	2.93E-06	1.34E-06	1.39E-06	0.00E+00	0.00E+00	5.93E-07	1.09E-07	6.97E-07	1.07E-07	1.07E-07	1.61E-06
1005	490136.72	3861235.12	5.31E-03	5.33E-03	5.53E-03	1.84E-06	5.55E-06	3.21E-06	3.21E-06	2.92E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.91E-07	1.09E-07	6.95E-07	1.07E-07	1.07E-07	1.61E-06
1006	490186.72	3861235.12	5.30E-03	5.32E-03	5.52E-03	1.83E-06	5.54E-06	3.21E-06	3.21E-06	2.92E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.90E-07	1.09E-07	6.93E-07	1.07E-07	1.07E-07	1.61E-06
1007	490236.72	3861235.12	5.28E-03	5.30E-03	5.50E-03	1.83E-06	5.52E-06	3.20E-06	3.20E-06	2.91E-06	1.33E-06	1.38E-06	0.00E+00	0.00E+00	5.88E-07	1.08E-07	6.91E-07	1.07E-07	1.07E-07	1.60E-06
1008	490386.72	3861235.12	5.24E-03	5.26E-03	5.45E-03	1.81E-06	5.47E-06	3.17E-06	3.17E-06	2.88E-06	1.32E-06	1.36E-06	0.00E+00	0.00E+00	5.83E-07	1.08E-07	6.85E-07	1.06E-07	1.06E-07	1.59E-06
1009	490436.72	3861235.12	5.22E-03	5.24E-03	5.43E-03	1.81E-06	5.45E-06	3.16E-06	3.16E-06	2.87E-06	1.31E-06	1.36E-06	0.00E+00	0.00E+00	5.81E-07	1.07E-07	6.83E-07	1.05E-07	1.05E-07	1.58E-06
1010	490486.72	3861235.12	5.20E-03	5.22E-03	5.41E-03	1.80E-06	5.43E-06	3.15E-06	3.15E-06	2.86E-06	1.31E-06	1.35E-06	0.00E+00	0.00E+00	5.79E-07	1.07E-07	6.80E-07	1.05E-07	1.05E-07	1.58E-06
1011	490536.72	3861235.12	5.20E-03	5.22E-03	5.41E-03	1.80E-06	5.43E-06	3.15E-06	3.15E-06	2.86E-06	1.31E-06	1.35E-06	0.00E+00	0.00E+00	5.79E-07	1.07E-07	6.80E-07	1.05E-07	1.05E-07	1.58E-06
1012	490586.72	3861235.12	5.19E-03	5.21E-03	5.39E-03	1.79E-06	5.42E-06	3.14E-06	3.14E-06	2.86E-06	1.30E-06	1.35E-06	0.00E+00	0.00E+00	5.77E-07	1.06E-07	6.79E-07	1.05E-07	1.05E-07	1.57E-06
1013	490636.72	3861235.12	5.14E-03	5.16E-03	5.35E-03	1.78E-06	5.37E-06	3.11E-06	3.11E-06	2.83E-06	1.29E-06	1.34E-06	0.00E+00	0.00E+00	5.72E-07	1.06E-07	6.73E-07	1.04E-07	1.04E-07	1.56E-06
1014	490686.72	3861235.12	5.11E-03	5.13E-03	5.32E-03	1.77E-06	5.34E-06	3.09E-06	3.09E-06	2.82E-06	1.29E-06	1.33E-06	0.00E+00	0.00E+00	5.69E-07	1.05E-07	6.69E-07	1.03E-07	1.03E-07	1.55E-06
1015	490736.72	3861235.12	5.09E-03	5.11E-03	5.29E-03	1.76E-06	5.32E-06	3.08E-06	3.08E-06	2.80E-06	1.28E-06	1.32E-06	0.00E+00	0.00E+00	5.67E-07	1.05E-07	6.66E-07	1.03E-07	1.03E-07	1.54E-06
1016	490786.72	3861235.12	5.07E-03	5.09E-03	5.27E-03	1.75E-06	5.30E-06	3.07E-06	3.07E-06	2.79E-06	1.27E-06	1.32E-06	0.00E+00	0.00E+00	5.64E-07	1.04E-07	6.63E-07	1.02E-07	1.02E-07	1.54E-06
1017	490836.72	3861235.12	5.04E-03	5.06E-03	5.24E-03	1.74E-06	5.27E-06	3.05E-06	3.05E-06	2.78E-06	1.27E-06	1.31E-06	0.00E+00	0.00E+00	5.61E-07	1.03E-07	6.60E-07	1.02E-07	1.02E-07	1.53E-06
1018	490086.72	3861285.12	5.02E-03	5.04E-03	5.22E-03	1.74E-06	5.25E-06	3.04E-06	3.04E-06	2.77E-06	1.26E-06	1.31E-06	0.00E+00	0.00E+00	5.59E-07	1.03E-07	6.57E-07	1.01E-07	1.01E-07	1.52E-06
1019	490136.72	3861285.12	5.02E-03	5.04E-03	5.22E-03	1.74E-06	5.25E-06	3.04E-06	3.04E-06	2.76E-06	1.26E-06	1.31E-06	0.00E+00	0.00E+00	5.59E-07	1.03E-07	6.57E-07	1.01E-07	1.01E-07	1.52E-06
1020	490186.72	3861285.12	5.00E-03	5.02E-03	5.20E-03	1.73E-06	5.22E-06	3.02E-06	3.02E-06	2.75E-06	1.26E-06	1.30E-06	0.00E+00	0.00E+00	5.56E-07	1.03E-07	6.54E-07	1.01E-07	1.01E-07	1.51E-06
1021	490236.72	3861285.12	4.98E-03	5.00E-03	5.18E-03	1.72E-06	5.21E-06	3.01E-06	3.01E-06	2.74E-06	1.25E-06	1.30E-06	0.00E+00	0.00E+00	5.55E-07	1.02E-07	6.52E-07	1.01E-07	1.00E-07	1.51E-06
1022	490386.72	3861285.12	4.94E-03	4.97E-03	5.14E-03	1.71E-06	5.17E-06	2.99E-06	2.99E-06	2.72E-06	1.24E-06	1.29E-06	0.00E+00	0.00E+00	5.50E-07	1.02E-07	6.47E-07	9.98E-08	9.96E-08	1.50E-06
1023	490436.72	3861285.12	4.94E-03	4.96E-03	5.13E-03	1.71E-06	5.16E-06	2.99E-06	2.99E-06	2.72E-06	1.24E-06	1.28E-06	0.00E+00	0.00E+00	5.49E-07	1.01E-07	6.46E-07	9.96E-08	9.94E-08	1.50E-06
1024	490486.72	3861285.12	4.92E-03	4.94E-03	5.11E-03	1.70E-06	5.14E-06	2.98E-06	2.98E-06	2.71E-06	1.24E-06	1.28E-06	0.00E+00	0.00E+00	5.48E-07	1.01E-07	6.44E-07	9.93E-08	9.91E-08	1.49E-06
1025	490536.72	3861285.12	4.91E-03	4.93E-03	5.10E-03	1.70E-06	5.13E-06	2.97E-06	2.97E-06	2.70E-06	1.23E-06	1.28E-06	0.00E+00	0.00E+00	5.46E-07	1.01E-07	6.42E-07	9.90E-08	9.89E-08	1.49E-06
1026	490586.72	3861285.12	4.90E-03	4.92E-03	5.09E-03	1.70E-06	5.12E-06	2.96E-06	2.96E-06	2.70E-06	1.23E-06	1.27E-06	0.00E+00	0.00E+00	5.45E-07	1.01E-07	6.41E-07	9.88E-08	9.86E-08	1.48E-06
1027	490636.72	3861285.12	4.87E-03	4.89E-03	5.06E-03	1.69E-06	5.09E-06	2.95E-06	2.95E-06	2.68E-06	1.22E-06	1.27E-06	0.00E+00	0.00E+00	5.42E-07	1.00E-07	6.37E-07	9.83E-08	9.81E-08	1.48E-06
1028	490686.72	3861285.12	4.85E-03	4.87E-03	5.04E-03	1.68E-06	5.07E-06	2.94E-06	2.94E-06	2.67E-06	1.22E-06	1.26E-06	0.00E+00	0.00E+00	5.40E-07	9.96E-08	6.35E-07	9.79E-08	9.77E-08	1.47E-06
1029	490736.72	3861285.12	4.84E-03	4.86E-03	5.03E-03	1.68E-06	5.06E-06	2.93E-06	2.93E-06	2.67E-06	1.22E-06	1.26E-06	0.00E+00	0.00E+00	5.39E-07	9.95E-08	6.34E-07	9.78E-08	9.75E-08	1.47E-06
1030	490786.72	3861285.12	4.82E-03	4.84E-03	5.01E-03	1.67E-06	5.04E-06	2.92E-06	2.92E-06	2.66E-06	1.21E-06	1.25E-06	0.00E+00	0.00E+00	5.37E-07	9.90E-08	6.31E-07	9.73E-08	9.71E-08	1.46E-06
1031	490836.72	3861285.12	4.79E-03	4.81E-03	4.98E-03	1.66E-06	5.01E-06	2.90E-06	2.90E-06	2.64E-06	1.20E-06	1.25E-06	0.00E+00	0.00E+00	5.34E-07	9.84E-08	6.27E-07	9.68E-08	9.65E-08	1.45E-06
1032	490061.24	3859716.13	1.77E-02	1.77E-02	1.85E-02	6.12E-06	1.85E-05	1.07E-05	1.07E-05	9.72E-06	4.43E-06	4.63E-06	0.00E+00	0.00E+00	1.97E-06	3.63E-07	2.31E-06	3.56E-07	3.58E-07	5.35E-06
1033	490111.24	3859716.13	1.73E-02	1.73E-02	1.81E-02	5.99E-06	1.81E-05	1.05E-05	1.05E-05	9.51E-06	4.34E-06	4.53E-06	0.00E+00	0.00E+00	1.93E-06	3.55E-07	2.26E-06	3.49E-07	3.51E-07	5.24E-06
1034	490161.24	3859716.13	1.70E-02	1.70E-02	1.77E-02	5.87E-06	1.77E-05	1.03E-05	1.03E-05	9.32E-06	4.25E-06	4.44E-06	0.00E+00	0.00E+00	1.89E-06	3.48E-07	2.21E-06	3.41E-07	3.44E-07	5.13E-06
1035	490211.24	3859716.13	1.66E-02	1.67E-02	1.74E-02	5.76E-06	1.74E-05	1.01E-05	1.01E-05	9.15E-06	4.17E-06	4.36E-06	0.00E+00	0.00E+00	1.85E-06	3.42E-07	2.17E-06	3.35E-07	3.37E-07	5.04E-06
1036	490061.24	3859766.13	1.76E-02	1.76E-02	1.84E-02	6.10E-06	1.84E-05	1.07E-05	1.07E-05	9.68E-06	4.42E-06	4.61E-06	0.00E+00	0.00E+00	1.96E-06	3.62E-07	2.30E-06	3.55E-07	3.57E-07	5.33E-06
1037	490111.24	3859766.13	1.73E-02	1.73E-02	1.81E-02	5.97E-06	1.80E-05	1.04E-05	1.04E-05	9.49E-06	4.33E-06	4.52E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.25E-06	3.48E-07	3.50E-07	5.23E-06
1038	490161.24	3859766.13	1.69E-02	1.70E-02	1.77E-02	5.86E-06	1.77E-05	1.02E-05	1.02E-05	9.31E-06	4.25E-06	4.44E-06	0.00E+00	0.00E+00	1.89E-06	3.48E-07	2.21E-06	3.41E-07	3.43E-07	5.13E-06
1039	490211.24	3859766.13	1.66E-02	1.66E-02	1.74E-02	5.74E-06	1.73E-05	1.00E-05	1.00E-05	9.12E-06	4.16E-06	4.34E-06	0.00E+00	0.00E+00	1.85E-06	3.41E-07	2.17E-06	3.34E-07	3.36E-07	5.02E-06
1040	490061.24	3859816.13	1.76E-02	1.76E-02	1.84E-02	6.08E-06	1.84E-05	1.06E-05	1.06E-05	9.66E-06	4.41E-06	4.60E-06	0.00E+00	0.00E+00	1.96E-06	3.61E-07	2.30E-06	3.54E-07	3.56E-07	5.32E-06
1041	490111.24	3859816.13	1.73E-02	1.73E-02	1.81E-02	5.97E-06	1.80E-05	1.04E-05	1.04E-05	9.49E-06	4.33E-06	4.52E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.25E-06	3.48E-07	3.50E-07	5.23E-06
1042	490161.24	3859816.13	1.69E-02	1.69E-02	1.77E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.29E-06	4.24E-06	4.43E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.21E-06	3.40E-07	3.43E-07	5.12E-06
1043	490211.24	3859816.13	1.65E-02	1.66E-02	1.73E-02	5.73E-06	1.73E-05	1.00E-05	1.00E-05	9.10E-06	4.15E-06	4.33E-06	0.00E+00	0.00E+00	1.84E-06	3.40E-07	2.16E-06	3.33E-07	3.36E-07	5.01E-06

1044	490061.24	3859866.13	1.76E-02	1.76E-02	1.84E-02	6.09E-06	1.84E-05	1.06E-05	1.06E-05	9.68E-06	4.41E-06	4.61E-06	0.00E+00	0.00E+00	1.96E-06	3.61E-07	2.30E-06	3.55E-07	3.57E-07	5.33E-06
1045	490111.24	3859866.13	1.72E-02	1.73E-02	1.80E-02	5.96E-06	1.80E-05	1.04E-05	1.04E-05	9.47E-06	4.32E-06	4.51E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.25E-06	3.47E-07	3.49E-07	5.22E-06
1046	490161.24	3859866.13	1.69E-02	1.69E-02	1.77E-02	5.84E-06	1.76E-05	1.02E-05	1.02E-05	9.27E-06	4.23E-06	4.42E-06	0.00E+00	0.00E+00	1.88E-06	3.46E-07	2.20E-06	3.40E-07	3.42E-07	5.11E-06
1047	490211.24	3859866.13	1.65E-02	1.65E-02	1.73E-02	5.72E-06	1.73E-05	9.99E-06	9.99E-06	9.08E-06	4.14E-06	4.32E-06	0.00E+00	0.00E+00	1.84E-06	3.39E-07	2.16E-06	3.33E-07	3.35E-07	5.00E-06
1048	490061.24	3859916.13	1.76E-02	1.76E-02	1.84E-02	6.09E-06	1.84E-05	1.07E-05	1.07E-05	9.68E-06	4.41E-06	4.61E-06	0.00E+00	0.00E+00	1.96E-06	3.62E-07	2.30E-06	3.55E-07	3.57E-07	5.33E-06
1049	490111.24	3859916.13	1.72E-02	1.73E-02	1.80E-02	5.96E-06	1.80E-05	1.04E-05	1.04E-05	9.46E-06	4.32E-06	4.51E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.25E-06	3.47E-07	3.49E-07	5.21E-06
1050	490161.24	3859916.13	1.68E-02	1.69E-02	1.76E-02	5.83E-06	1.76E-05	1.02E-05	1.02E-05	9.26E-06	4.23E-06	4.41E-06	0.00E+00	0.00E+00	1.87E-06	3.46E-07	2.20E-06	3.39E-07	3.42E-07	5.10E-06
1051	490211.24	3859916.13	1.65E-02	1.65E-02	1.73E-02	5.71E-06	1.72E-05	9.97E-06	9.97E-06	9.06E-06	4.13E-06	4.32E-06	0.00E+00	0.00E+00	1.83E-06	3.39E-07	2.15E-06	3.32E-07	3.34E-07	4.99E-06
1052	490229.25	3859815.26	1.64E-02	1.65E-02	1.72E-02	5.68E-06	1.72E-05	9.94E-06	9.94E-06	9.03E-06	4.12E-06	4.30E-06	0.00E+00	0.00E+00	1.83E-06	3.37E-07	2.15E-06	3.31E-07	3.33E-07	4.97E-06
1053	490279.25	3859815.26	1.61E-02	1.61E-02	1.68E-02	5.57E-06	1.68E-05	9.73E-06	9.73E-06	8.84E-06	4.04E-06	4.21E-06	0.00E+00	0.00E+00	1.79E-06	3.30E-07	2.10E-06	3.24E-07	3.26E-07	4.87E-06
1054	490329.25	3859815.26	1.58E-02	1.58E-02	1.65E-02	5.45E-06	1.65E-05	9.53E-06	9.53E-06	8.66E-06	3.95E-06	4.13E-06	0.00E+00	0.00E+00	1.75E-06	3.24E-07	2.06E-06	3.17E-07	3.19E-07	4.77E-06
1055	490379.25	3859815.26	1.54E-02	1.55E-02	1.61E-02	5.34E-06	1.61E-05	9.34E-06	9.34E-06	8.48E-06	3.87E-06	4.04E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.02E-06	3.11E-07	3.13E-07	4.67E-06
1056	490429.25	3859815.26	1.51E-02	1.51E-02	1.58E-02	5.23E-06	1.58E-05	9.14E-06	9.14E-06	8.31E-06	3.79E-06	3.95E-06	0.00E+00	0.00E+00	1.68E-06	3.10E-07	1.97E-06	3.04E-07	3.06E-07	4.58E-06
1057	490229.25	3859865.26	1.64E-02	1.64E-02	1.71E-02	5.67E-06	1.71E-05	9.91E-06	9.91E-06	9.01E-06	4.11E-06	4.29E-06	0.00E+00	0.00E+00	1.82E-06	3.37E-07	2.14E-06	3.30E-07	3.32E-07	4.96E-06
1058	490279.25	3859865.26	1.60E-02	1.61E-02	1.68E-02	5.55E-06	1.68E-05	9.71E-06	9.71E-06	8.82E-06	4.03E-06	4.20E-06	0.00E+00	0.00E+00	1.79E-06	3.30E-07	2.10E-06	3.23E-07	3.25E-07	4.86E-06
1059	490329.25	3859865.26	1.57E-02	1.57E-02	1.64E-02	5.44E-06	1.64E-05	9.51E-06	9.51E-06	8.64E-06	3.94E-06	4.11E-06	0.00E+00	0.00E+00	1.75E-06	3.23E-07	2.05E-06	3.17E-07	3.19E-07	4.76E-06
1060	490379.25	3859865.26	1.54E-02	1.54E-02	1.61E-02	5.33E-06	1.61E-05	9.31E-06	9.31E-06	8.46E-06	3.86E-06	4.03E-06	0.00E+00	0.00E+00	1.71E-06	3.16E-07	2.01E-06	3.10E-07	3.12E-07	4.66E-06
1061	490429.25	3859865.26	1.51E-02	1.51E-02	1.58E-02	5.21E-06	1.57E-05	9.11E-06	9.11E-06	8.28E-06	3.78E-06	3.94E-06	0.00E+00	0.00E+00	1.68E-06	3.09E-07	1.97E-06	3.03E-07	3.05E-07	4.56E-06
1062	490229.25	3859915.26	1.64E-02	1.64E-02	1.71E-02	5.66E-06	1.71E-05	9.89E-06	9.89E-06	8.99E-06	4.10E-06	4.28E-06	0.00E+00	0.00E+00	1.82E-06	3.36E-07	2.14E-06	3.29E-07	3.32E-07	4.95E-06
1063	490279.25	3859915.26	1.60E-02	1.60E-02	1.67E-02	5.54E-06	1.67E-05	9.68E-06	9.68E-06	8.80E-06	4.02E-06	4.19E-06	0.00E+00	0.00E+00	1.78E-06	3.29E-07	2.09E-06	3.22E-07	3.25E-07	4.85E-06
1064	490329.25	3859915.26	1.57E-02	1.57E-02	1.64E-02	5.42E-06	1.64E-05	9.48E-06	9.48E-06	8.61E-06	3.93E-06	4.10E-06	0.00E+00	0.00E+00	1.74E-06	3.22E-07	2.05E-06	3.16E-07	3.18E-07	4.75E-06
1065	490379.25	3859915.26	1.53E-02	1.54E-02	1.60E-02	5.31E-06	1.60E-05	9.28E-06	9.28E-06	8.43E-06	3.85E-06	4.01E-06	0.00E+00	0.00E+00	1.71E-06	3.15E-07	2.00E-06	3.09E-07	3.11E-07	4.64E-06
1066	490429.25	3859915.26	1.50E-02	1.50E-02	1.57E-02	5.20E-06	1.57E-05	9.08E-06	9.08E-06	8.25E-06	3.77E-06	3.93E-06	0.00E+00	0.00E+00	1.67E-06	3.08E-07	1.96E-06	3.02E-07	3.04E-07	4.55E-06
1067	490451.43	3859872.59	1.49E-02	1.50E-02	1.56E-02	5.16E-06	1.56E-05	9.03E-06	9.03E-06	8.20E-06	3.74E-06	3.90E-06	0.00E+00	0.00E+00	1.66E-06	3.06E-07	1.95E-06	3.01E-07	3.02E-07	4.52E-06
1068	490501.43	3859872.59	1.46E-02	1.46E-02	1.53E-02	5.06E-06	1.53E-05	8.84E-06	8.84E-06	8.03E-06	3.66E-06	3.82E-06	0.00E+00	0.00E+00	1.63E-06	3.00E-07	1.91E-06	2.94E-07	2.96E-07	4.42E-06
1069	490551.43	3859872.59	1.43E-02	1.43E-02	1.49E-02	4.95E-06	1.49E-05	8.65E-06	8.65E-06	7.86E-06	3.59E-06	3.74E-06	0.00E+00	0.00E+00	1.59E-06	2.93E-07	1.87E-06	2.88E-07	2.90E-07	4.33E-06
1070	490601.43	3859872.59	1.40E-02	1.40E-02	1.46E-02	4.83E-06	1.46E-05	8.45E-06	8.45E-06	7.68E-06	3.50E-06	3.65E-06	0.00E+00	0.00E+00	1.55E-06	2.87E-07	1.82E-06	2.81E-07	2.83E-07	4.23E-06
1071	490451.43	3859922.59	1.49E-02	1.49E-02	1.55E-02	5.14E-06	1.55E-05	8.99E-06	8.99E-06	8.17E-06	3.73E-06	3.89E-06	0.00E+00	0.00E+00	1.65E-06	3.05E-07	1.94E-06	2.99E-07	3.01E-07	4.50E-06
1072	490501.43	3859922.59	1.45E-02	1.46E-02	1.52E-02	5.03E-06	1.52E-05	8.80E-06	8.80E-06	8.00E-06	3.65E-06	3.81E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	1.90E-06	2.93E-07	2.95E-07	4.41E-06
1073	490551.43	3859922.59	1.42E-02	1.43E-02	1.49E-02	4.93E-06	1.49E-05	8.61E-06	8.61E-06	7.83E-06	3.57E-06	3.73E-06	0.00E+00	0.00E+00	1.58E-06	2.92E-07	1.86E-06	2.87E-07	2.88E-07	4.31E-06
1074	490601.43	3859922.59	1.39E-02	1.40E-02	1.46E-02	4.82E-06	1.46E-05	8.43E-06	8.43E-06	7.66E-06	3.49E-06	3.64E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.82E-06	2.81E-07	2.82E-07	4.22E-06
1075	482129.67	3852241.07	6.14E-04	6.37E-04	5.64E-04	2.13E-07	6.42E-07	3.72E-07	3.72E-07	3.50E-07	1.59E-07	1.41E-07	0.00E+00	0.00E+00	6.83E-08	1.26E-08	8.30E-08	1.28E-08	1.09E-08	1.88E-07
1076	482029.67	3852291.07	6.35E-04	6.58E-04	5.85E-04	2.20E-07	6.63E-07	3.84E-07	3.84E-07	3.61E-07	1.65E-07	1.47E-07	0.00E+00	0.00E+00	7.06E-08	1.30E-08	8.57E-08	1.32E-08	1.13E-08	1.94E-07
1077	482079.67	3852291.07	6.33E-04	6.57E-04	5.83E-04	2.19E-07	6.62E-07	3.83E-07	3.83E-07	3.60E-07	1.64E-07	1.46E-07	0.00E+00	0.00E+00	7.05E-08	1.30E-08	8.56E-08	1.32E-08	1.13E-08	1.94E-07
1078	482129.67	3852291.07	6.29E-04	6.53E-04	5.78E-04	2.18E-07	6.58E-07	3.81E-07	3.81E-07	3.58E-07	1.63E-07	1.45E-07	0.00E+00	0.00E+00	7.01E-08	1.29E-08	8.51E-08	1.31E-08	1.12E-08	1.92E-07
1079	482179.67	3852291.07	6.23E-04	6.46E-04	5.71E-04	2.16E-07	6.51E-07	3.77E-07	3.77E-07	3.55E-07	1.62E-07	1.43E-07	0.00E+00	0.00E+00	6.93E-08	1.28E-08	8.42E-08	1.30E-08	1.11E-08	1.90E-07
1080	482229.67	3852291.07	6.12E-04	6.36E-04	5.60E-04	2.12E-07	6.40E-07	3.71E-07	3.71E-07	3.49E-07	1.59E-07	1.40E-07	0.00E+00	0.00E+00	6.82E-08	1.26E-08	8.29E-08	1.28E-08	1.09E-08	1.87E-07
1081	482029.67	3852341.07	6.49E-04	6.73E-04	6.00E-04	2.25E-07	6.79E-07	3.93E-07	3.93E-07	3.69E-07	1.68E-07	1.50E-07	0.00E+00	0.00E+00	7.23E-08	1.33E-08	8.77E-08	1.35E-08	1.16E-08	1.98E-07
1082	482079.67	3852341.07	6.48E-04	6.71E-04	5.97E-04	2.24E-07	6.77E-07	3.92E-07	3.92E-07	3.68E-07	1.68E-07	1.50E-07	0.00E+00	0.00E+00	7.21E-08	1.33E-08	8.75E-08	1.35E-08	1.16E-08	1.98E-07
1083	482129.67	3852341.07	6.46E-04	6.70E-04	5.94E-04	2.23E-07	6.75E-07	3.91E-07	3.91E-07	3.67E-07	1.68E-07	1.49E-07	0.00E+00	0.00E+00	7.19E-08	1.33E-08	8.73E-08	1.35E-08	1.15E-08	1.97E-07
1084	482179.67	3852341.07	6.41E-04	6.65E-04	5.89E-04	2.22E-07	6.70E-07	3.88E-07	3.88E-07	3.65E-07	1.66E-07	1.47E-07	0.00E+00	0.00E+00	7.13E-08	1.32E-08	8.67E-08	1.34E-08	1.14E-08	1.96E-07
1085	482259.06	3852400.14	6.64E-04	6.88E-04	6.11E-04	2.30E-07	6.94E-07	4.01E-07	4.01E-07	3.77E-07	1.72E-07	1.53E-07	0.00E+00	0.00E+00	7.39E-08	1.36E-08	8.97E-08	1.38E-08	1.18E-08	2.03E-07
1086	482309.06	3852400.14	6.50E-04	6.75E-04	5.96E-04	2.25E-07	6.80E-07	3.93E-07	3.93E-07	3.70E-07	1.69E-07	1.49E-07	0.00E+00	0.00E+00	7.24E-08	1.34E-08	8.80E-08	1.36E-08	1.16E-08	1.99E-07
1087	482209.06	3852450.14	6.82E-04	7.07E-04	6.30E-04	2.36E-07	7.13E-07	4.13E-07	4.13E-07	3.88E-07	1.77E-07	1.58E-07	0.00E+00	0.00E+00	7.59E-08	1.40E-08	9.22E-08	1.42E-08	1.22E-08	2.09E-07
1088	482259.06	3852450.14	6.80E-04	7.05E-04	6.26E-04	2.35E-07	7.10E-07	4.11E-07	4.11E-07	3.87E-07	1.76E-07	1.57E-07	0.00E+00	0.00E+00	7.57E-08	1.40E-08	9.19E-08	1.42E-08	1.21E-08	2.08E-07
1089	482309.06	3852450.14	6.70E-04	6.96E-04	6.16E-04	2.32E-07	7.01E-07	4.06E-07	4.06E-07	3.82E-07	1.74E-07	1.54E-07	0.00E+00	0.00E+00	7.46E-08	1.38E-08	9.07E-08	1.40E-08	1.19E-08	2.05E-07
1090	482209.06	3852500.14	6.97E-04	7.22E-04	6.44E-04	2.41E-07	7.28E-07	4.21E-07	4.21E-07	3.96E-07	1.81E-07	1.61E-07	0.00E+00	0.00E+00	7.75E-08	1.43E-08	9.40E-08	1.45E-08	1.25E-08	2.13E-07
1091	482259.06	3852500.14	6.95E-04	7.20E-04	6.41E-04	2.40E-07	7.26E-07	4.20E-07	4.20E-07	3.95E-07	1.80E-07	1.60E-07	0.00E+00	0.00E+00	7.73E-08	1.43E-08	9.38E-08	1.45E-08	1.24E-08	2.12E-07
1092	482309.06	3852500.14	6.90E-04	7.16E-04	6.35E-04	2.39E-07	7.21E-07	4.17E-07	4.17E-07	3.93E-07	1.79E-07	1.59E-07	0.00E+00	0.00E+00	7.68E-08	1.42E-08	9.33E-08	1.44E-08	1.23E-08	2.11E-07
1093	482283.91	3852513.62	6.98E-04	7.23E-04	6.43E-04	2.42E-07	7.29E-07	4.22E-07	4.22E-07	3.97E-07	1.81E-07	1.61E-07	0.00E+00	0.00E+00	7.77E-08	1.43E-08	9.43E-08	1.45E-08	1.25E-08	2.13E-07
1094	482333.91	3852513.62	6.93E-04	7.19E-04	6.38E-04	2.40E-07	7.25E-07	4.20E-07	4.20E-07	3.95E-07	1.80E-07	1.60E-07	0.00E+00	0.00E+00	7.72E-08	1.42E-08	9.37E-08	1.45E-08	1.24E-08	2.12E-07
1095	482283.91	3852563.62	7.15E-04	7.41E-04	6.61E-04	2.47E-07	7.47E-07	4.33E-07	4.33E-07	4.06E-07	1.85E-07	1.65E-07	0.00E+00	0.00E+00	7.96E-08	1.47E-08	9.65E-08	1.49E-08	1.28E-08	2.18E-07
1096	482333.91	3852563.62	7.14E-04	7.41E-04	6.59E-04	2.47E-07	7.47E-07	4.32E-07	4.32E-07	4.06E-07	1.85E-07	1.65E-07	0.00E+00	0.00E+00	7.95E-08	1.47E-08	9.65E-08	1.49E-08	1.28E-08	2.18E-07
1097	482383.91	3852563.62	7.12E-04	7.39E-04	6.56E-04	2.47E-07	7.44E-07	4.31E-07	4.31E-07	4.05E-07	1.85E-07	1.64E-07	0.00E+00	0.00E+00	7.93E-08	1.46E-08	9.63E-08	1.48E-08	1.27E-08	2.18E-07
1098	482283.91	3852613.62	7.28E-04	7.54E-04	6.73E-04	2.52E-07	7.60E-07	4.40E-07	4.40E-07	4.13E-07	1.89E-07	1.68E-07	0.00E+00	0.00E+00	8.10E-08	1.49E-08	9.82E-08	1.51E-08	1.30E-08	2.22E-07
1099	482333.91	3852613.62	7.30E-04	7.57E-04	6.74E-04	2.53E-07	7.63E-07	4.42E-07	4.42E-07	4.15E-07	1.89E-07	1.69E-07	0.00E+00	0.00E+00	8.13E-08	1.50E-08	9.86E-08	1.52E-08	1.31E-08	2.23E-07
1100	482383.91	3852613.62	7.32E-04	7.58E-04	6.75E-04	2.53E-07	7.65E-07	4.43E-07	4.43E-07	4.16E-07	1.90E-07	1.69E-07	0.00E+00	0.00E+00	8.14E-08	1.50E-08	9.88E-08	1.52E-08	1.31E-08	2.24E-07
1101	482602.38	3852600.87	6.88E-04	7.14E-04	6.29E-04	2.38E-07	7.19E-07	4.16E-07	4.16E-07	3.92E-07	1.79E-07	1.57E-07	0.00E+00	0.00E+00	7.65E-08	1.41E-08	9.31E-08	1.44E-08	1.22E-08	2.10E-07
1102	482652.38	3852600.87	6.80E-04	7.06E-04	6.22E-04	2.35E-07	7.11E-07	4.11E-07	4.11E-07	3.87E-07	1.77E-07	1.56E-07	0.00E+00	0.00E+00	7.57E-08	1.40E-08	9.21E-08	1.42E-08	1.20E-08	2.08E-07
1103	482702.38	3852600.87	6.58E-04	6.84E-04	5.99E-04	2.28E-07	6.87E-07	3.98E-07	3.98E-07	3.75E-07	1.71E-07	1.50E-07	0.00E+00	0.00E+00	7.32E-08	1.35E-08	8.91E-08	1.37E-08	1.16E-08	2.01E-07
1104	482552.38	3852650.87	7.23E-04	7.51E-04	6.63E-04	2.50E-07	7.56E-07	4.38E-07	4.38E-07	4.12E-07	1.88E-07	1.66E-07	0.00E+00	0.00E+00	8.05E-08	1.49E-08	9.79E-08	1.51E-08	1.28E-08	2.21E-07
1105	482602.38	3852650.87	7.15E-04	7.42E-04	6.54E-04	2.47E-07	7.47E-07	4.32E-07	4.32E-07	4.07E-07	1.86E-07	1.64E-07	0.00E+00	0.00E+00	7.96E-08	1.47E-08	9.67E-08	1.49E-08	1.27E-08	2.19E-07
1106	482652.38	3852650.87	7.08E-04	7.35E-04	6.48E-04	2.45E-07	7.40E-07	4.28E-07	4.28E-07	4.03E-07	1.84E-07	1.62E-07	0.00E+00	0.00E+00	7.88E-08	1.45E-08	9.58E-08	1.48E-08	1.26E-08	2.16E-07
1107	482702.38	3852650.87	6.99E-04	7.26E-04	6.40E-04	2.42E-07	7.31E-07	4.23E-07	4.23E-07	3.98E-07	1.82E-07	1.60E-07	0.00E+00	0.00E+00	7.78E-08	1.44E-08	9.46E-08	1.46E-08	1.24E-08	2.14E-07
1108	482552.38	3852700.87	7.46E-04	7.74E-04	6.84E-04	2.58E-07	7.79E-07	4.51E-07	4.51E-07	4.25E-07	1.94E-07	1.71E-07	0.00E+00	0.00E+00	8.30E-08	1.53E-08	1.01E-07	1.56E-08	1.33E-08	2.28E-07
1109	482602.38	3852700.87	7.41E-04	7.70E-04	6.80E-04	2.57E-07	7.75E-07	4.49E-07	4.49E-07	4.22E-07	1.93E-07	1.70E-07	0.00E+00	0.00E+00	8.25E-08	1.52E-08	1.00E-07	1.55E-08	1.32E-08	2.27E-07
1110	482652.38	3852700.87	7.43E-04	7.71E-04	6.82E-04	2.57E-07	7.76E-07	4.49E-07	4.49E-07	4.23E-07	1.93E-07	1.71E-07	0.00E+00	0.00E+00	8.27E-08	1.53E-08	1.00E-07	1.55E-08	1.32E-08	2.27E-07
1111	482702.38	3852700.87	7.33E-04	7.61E-04	6.72E-04	2.54E-07	7.66E-07	4.43E-07	4.43E-07	4.17E-07	1.90E-07	1.68E-07	0.00E+00	0.00E+00	8.16E-08	1.51E-08	9.91E-08	1.53E-08	1.30E-08	2.24E-07
1112	482452.38	3852750.87	7.73E-04	8.01E-04	7.14E-04	2.68E-07	8.08E-07	4.68E-07	4.68E-07	4.40E-07	2.01E-07	1.79E-07	0.00E+00	0.00E+00	8.61E-08	1.59E-08	1.04E-07	1.61E-08	1.38E-08	2.36E-07
1113	482521.29	3852749.74	7.71E-04	7.99E-04	7.09E-04	2.67E-07	8.05E-07	4.66E-07	4.66E-07	4.38E-07	2.00E-07	1.77E-07	0.00E+00	0.00E+00	8.58E-08	1.58E-08	1.04E-07	1.61E-08	1.37E-08	2.36E-07
1114	482571.29	3852749.74	7.67E-04	7.96E-04	7.05E-04	2.66E-07	8.02E-07	4.64E-07	4.64E-07	4.37E-07	1.99E-07	1.76E-07	0.00E+00	0.00E+00	8.54E-08	1.58E-08	1.04E-07	1.60E-08	1.37E-08	2.35E-07
1115	482521.29	3852799.74	7.91E-04	8.20E-04	7.30E-04	2.74E-07	8.27E-07	4.79E-07	4.79E-07	4.50E-07	2.05E-07	1.83E-07	0.00E+00	0.00E+00	8.80E-08	1.62E-08	1.07E-07	1.65E-08	1.41E-08	2.42E-07
1116	482571.29	3852799.74	7.89E-04	8.19E-04	7.27E-04	2.73E-07	8.25E-07	4.78E-07	4.78E-07	4.49E-07	2.05E-07	1.82E-07	0.00E+00	0.00E+00	8.79E-08	1.62E-08	1.07E-07	1.65E-08	1.41E-08	2.41E-07
1117	482621.29	3852799.74	7.86E-04	8.15E-04	7.22E-04	2.72E-07	8.21E-07	4.75E-07	4.75E-07	4.47E-07	2.04E-07	1.81E-07	0.00E+00	0.00E+00	8.75E-08	1.61E-08	1.06E-07	1.64E-08	1.40E-08	2.40E-07
1118	482571.29	3852849.74	8.07E-04	8.37E-04	7.44E-04	2.79E-07	8.44E-07	4.88E-07	4.88E-07	4.59E-07	2.09E-07	1.86E-07	0.00E+00	0.00E+00	8.99E-08	1.66E-08	1.09E-07	1.68E-08	1.44E-08	2.47E-07
1119	482621.29	3852849.74	8.03E-04	8.33E-04	7.38E-04	2.78E-07	8.40E-07	4.86E-07	4.86E-07	4.57E-07	2.09E-07	1.85E-07	0.00E+00	0.00E+00	8.94E-08	1.65E-08	1.09E-07	1.68E-08	1.43E-08	2.46E-07
1120	482577.42	3852901.55	8.23E-04	8.54E-04	7.60E-04	2.85E-07	8.61E-07	4.98E-07	4.98E-07	4.68E-07	2.14E-07	1.90E-07	0.00E+00	0.00E+00	9.17E-08	1.69E-08	1.11E-07	1.72E-08	1.47E-08	2.52E-07
1121	482627.42	3852901.55	8.20E-04	8.51E-04	7.54E-04	2.84E-07	8.57E-07	4.96E-07	4.96E-07	4.67E-07	2.13E-07	1.89E-07	0.00E+00	0.00E+00	9.13E-08	1.68E-08	1.11E-07	1.71E-08	1.46E-08	2.51E-07
1122	482629.96	3852955.85	8.40E-04	8.71E-04	7.74E-04	2.91E-07	8.78E-07	5.08E-07	5.08E-07	4.78E-07	2.18E-07	1.94E-07	0.00E+00	0.00E+00	9.35E-08	1.73E-08	1.14E-07	1.75E-08	1.50E-08	2.57E-07
1123	482679.96	3852955.85	8.37E-04	8.69E-04	7.69E-04	2.90E-07	8.75E-07	5.07E-07	5.07E-07	4.77E-07	2.17E-07	1.92E-07	0.00E+00	0.00E+00	9.32E-08	1.72E-08	1.13E-07	1.75E-08	1.49E-08	2.56E-07
1124	482781.63	3853034.48	8.58E-04	8.91E-04	7.85E-04	2.97E-07	8.97E-07	5.19E-07	5.19E-07	4.89E-07	2.23E-07	1.96E-07	0.00E+00	0.00E+00	9.55E-08	1.76E-08	1.16E-07	1.79E-08	1.52E-08	2.62E-07
1125	482831.63	3853034.48	8.51E-04	8.84E-04	7.76E-04	2.94E-07	8.89E-07	5.15E-07	5.15E-07	4.85E-07	2.21E-07	1.94E-07	0.00E+00	0.00E+00	9.47E-08	1.75E-08	1.15E-07	1.78E-08	1.50E-08	2.60E-07
1126	482881.63	3853034.48	8.42E-04	8.76E-04	7.67E-04	2.92E-07	8.80E-07	5.10E-07	5.10E-07	4.81E-07	2.19E-07	1.92E-07	0.00E+00	0.00E+00	9.38E-08	1.73E-08	1.14E-07	1.76E-08	1.49E-08	2.58E-07
1127	482781.63	3853084.48	8.80E-04	9.14E-04	8.06E-04	3.05E-07	9.20E-07	5.32E-07	5.32E-07	5.01E-07	2.29E-07	2.02E-07	0.00E+00	0.00E+00	9.79E-08	1.81E-08	1.19E-07	1.84E-08	1.56E-08	2.69E-07
1128	482831.63	3853084.48	8.74E-04	9.08E-04	7.98E-04	3.02E-07	9.13E-07	5.29E-07	5.29E-07	4.98E-07	2.27E-07	2.00E-07	0.00E+00	0.00E+00	9.73E-08	1.79E-08	1.18E-07	1.82E-08	1.55E-08	2.67E-07
1129	482881.63	3853084.48	8.67E-04	9.02E-04	7.90E-04	3.00E-07	9.06E-07	5.25E-07	5.25E-07	4.94E-07	2.26E-07	1.98E-07	0.00E+00	0.00E+00	9.65E-08	1.78E-08	1.17E-07	1.81E-08	1.53E-08	2.65E-07
1130	482781.63	3853134.48	9.03E-04	9.37E-04	8.30E-04	3.13E-07	9.44E-07	5.46E-07	5.46E-07	5.14E-07	2.34E-07	2.08E-07	0.00E+00	0.00E+00	1.00E-07	1.85E-08	1.22E-07	1.88E-08	1.61E-08	2.76E-07
1131	482831.63	3853134.48	8.98E-04	9.33E-04	8.22E-04	3.11E-07	9.39E-07	5.44E-07	5.44E-07	5.12E-07	2.34E-07	2.06E-07	0.00E+00	0.00E+00	1.00E-07	1.84E-08	1.22E-07	1.88E-08	1.59E-08	2.75E-07
1132	482881.63	3853134.48	8.95E-04	9.30E-04	8.17E-04	3.10E-07	9.35E-07	5.41E-07	5.41E-07	5.10E-07	2.33E-07	2.04E-07	0.00E+00	0.00E+00	9.96E-08	1.84E-08	1.21E-07	1.87E-08	1.58E-08	2.74E-07
1133	482831.63	3853184.48	9.22E-04	9.57E-04	8.47E-04	3.19E-07	9.64E-07	5.58E-07	5.58E-07	5.25E-07	2.40E-07	2.12E-07	0.00E+00	0.00E+00	1.03E-07	1.89E-08	1.25E-07	1.92E-08	1.64E-08	2.82E-07
1134	482881.63	3853184.48	9.21E-04	9.56E-04	8.42E-04	3.19E-07	9.62E-07	5.57E-07	5.57E-07	5.25E-07	2.39E-07	2.11E-07	0.00E+00	0.00E+00	1.02E-07	1.89E-08	1.25E-07	1.92E-08	1.63E-08	2.82E-07
1135	484154.84	3854250.98	1.16E-03	1.23E-03	9.71E-04	4.03E-07	1.22E-06	7.04E-07	7.04E-07	6.77E-07	3.09E-07	2.43E-07	0.00E+00	0.00E+00	1.29E-07	2.39E-08	1.61E-07	2.48E-08	1.88E-08	3.58E-07
1136	484204.84	3854250.98	1.15E-03	1.21E-03	9.62E-04	3.97E-07	1.20E-06	6.93E-07	6.93E-07	6.66E-07	3.04E-07	2.41E-07	0.00E+00	0.00E+00	1.28E-07	2.35E-08	1.58E-07	2.44E-08	1.86E-08	3.52E-07
1137	484154.84	3854300.98	1.19E-03	1.27E-03	9.97E-04	4.13E-07	1.25E-06	7.22E-07	7.22E-07	6.94E-07	3.17E-07	2.50E-07	0.00E+00	0.00E+00	1.33E-07	2.45E-08	1.65E-07	2.54E-08	1.93E-08	3.67E-07
1138	484204.84	3854300.98	1.19E-03	1.26E-03	9.99E-04	4.12E-07	1.24E-06	7.20E-07	7.20E-07	6.91E-07	3.15E-07	2.50E-07	0.00E+00	0.00E+00	1.32E-07	2.44E-08	1.64E-07	2.53E-08	1.94E-08	3.66E-07
1139	484074.19	3854519.8	1.54E-03	1.62E-03	1.32E-03	5.32E-07	1.61E-06	9.30E-07	9.30E-07	8.89E-07	4.06E-07	3.30E-07	0.00E+00	0.00E+00	1.71E-07	3.16E-08	2.11E-07	3.26E-08	2.55E-08	4.72E-07
1140	484124.19	3854519.8	1.52E-03	1.60E-03	1.30E-03	5.27E-07	1.59E-06	9.21E-07	9.21E-07	8.80E-07	4.02E-07	3.27E-07	0.00E+00	0.00E+00	1.69E-07	3.13E-08	2.09E-07	3.22E-08	2.53E-08	4.67E-07
1141	484074.19	3854569.8	1.65E-03	1.74E-03	1.43E-03	5.72E-07	1.73E-06	1.00E-06	1.00E-06	9.53E-07	4.35E-07	3.58E-07	0.00E+00	0.00E+00	1.84E-07	3.39E-08	2.26E-07	3.49E-08	2.78E-08	5.07E-07
1142	484124.19	3854569.8	1.62E-03	1.70E-03	1.41E-03	5.61E-07	1.69E-06	9.80E-07	9.80E-07	9.34E-07	4.26E-07	3.52E-07	0.00E+00	0.00E+00	1.80E-07	3.33E-08	2.22E-07	3.42E-08	2.72E-08	4.97E-07
1143	485205.11	3855188.89	1.10E-02	1.22E-02	7.12E-03	3.80E-06	1.15E-05	6.65E-06	6.65E-06	6.71E-06	3.06E-06	1.78E-06	0.00E+00	0.00E+00	1.22E-06	2.26E-07	1.60E-06	2.46E-07	1.38E-07	3.43E-06
1144	485255.11	3855188.89	9.98E-03	1.11E-02	6.58E-03	3.46E-06	1.04E-05	6.04E-06	6.04E-06	6.09E-06	2.78E-06	1.65E-06	0.00E+00	0.00E+00	1.11E-06	2.05E-07	1.45E-06	2.23E-07	1.27E-07	3.11E-06
1145	485205.11	3855238.89	1.27E-02	1.42E-02	8.07E-03	4.41E-06	1.33E-05	7.71E-06	7.71E-06	7.81E-06	3.56E-06	2.02E-06	0.00E+00	0.00E+00	1.42E-06	2.62E-07	1.86E-06	2.86E-07	1.56E-07	3.98E-06
1146	485255.11	3855238.89	1.18E-02	1.32E-02	7.60E-03	4.10E-06	1.24E-05	7.16E-06	7.16E-06	7.24E-06	3.30E-06	1.90E-06	0.00E+00	0.00E+00	1.32E-06	2.43E-07	1.72E-06	2.65E-07	1.47E-07	3.69E-06
1147	485205.11	3855288.89	1.63E-02	1.84E-02	1.00E-02	5.65E-06	1.71E-05	9.88E-06	9.88E-06	1.01E-05	4.59E-06	2.51E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.39E-06	3.69E-07	1.94E-07	5.11E-06
1148	485255.11	3855288.89	1.46E-02	1.64E-02	9.14E-03	5.06E-06	1.53E-05	8.84E-06	8.84E-06	8.98E-06	4.10E-06	2.29E-06	0.00E+00	0.00E+00	1.63E-06	3.00E-07	2.13E-06	3.29E-07	1.77E-07	4.57E-06

1149	485255.11	3855338.89	1.82E-02	2.04E-02	1.11E-02	6.28E-06	1.90E-05	1.10E-05	1.10E-05	1.12E-05	5.11E-06	2.77E-06	0.00E+00	0.00E+00	2.02E-06	3.73E-07	2.66E-06	4.11E-07	2.15E-07	5.68E-06
1150	485305.11	3855338.89	1.61E-02	1.81E-02	1.00E-02	5.57E-06	1.68E-05	9.74E-06	9.74E-06	9.91E-06	4.52E-06	2.50E-06	0.00E+00	0.00E+00	1.79E-06	3.31E-07	2.35E-06	3.63E-07	1.94E-07	5.03E-06
1151	485852.5	3855635.28	1.55E-02	1.72E-02	1.02E-02	5.35E-06	1.62E-05	9.36E-06	9.36E-06	9.43E-06	4.30E-06	2.54E-06	0.00E+00	0.00E+00	1.72E-06	3.18E-07	2.24E-06	3.46E-07	1.97E-07	4.82E-06
1152	485902.5	3855635.28	1.44E-02	1.60E-02	9.56E-03	4.98E-06	1.50E-05	8.71E-06	8.71E-06	8.76E-06	4.00E-06	2.39E-06	0.00E+00	0.00E+00	1.60E-06	2.96E-07	2.08E-06	3.21E-07	1.85E-07	4.49E-06
1153	485852.5	3855685.28	1.70E-02	1.89E-02	1.11E-02	5.88E-06	1.78E-05	1.03E-05	1.03E-05	1.04E-05	4.73E-06	2.77E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.47E-06	3.80E-07	2.14E-07	5.30E-06
1154	485902.5	3855685.28	1.57E-02	1.75E-02	1.04E-02	5.44E-06	1.64E-05	9.51E-06	9.51E-06	9.59E-06	4.37E-06	2.59E-06	0.00E+00	0.00E+00	1.75E-06	3.23E-07	2.28E-06	3.51E-07	2.01E-07	4.90E-06
1155	485852.5	3855735.28	1.88E-02	2.09E-02	1.21E-02	6.50E-06	1.96E-05	1.14E-05	1.14E-05	1.15E-05	5.24E-06	3.03E-06	0.00E+00	0.00E+00	2.09E-06	3.86E-07	2.73E-06	4.21E-07	2.34E-07	5.86E-06
1156	485902.5	3855735.28	1.74E-02	1.94E-02	1.14E-02	6.03E-06	1.82E-05	1.05E-05	1.05E-05	1.06E-05	4.85E-06	2.84E-06	0.00E+00	0.00E+00	1.94E-06	3.58E-07	2.53E-06	3.90E-07	2.20E-07	5.43E-06
1157	485852.5	3855785.28	2.12E-02	2.36E-02	1.35E-02	7.32E-06	2.21E-05	1.28E-05	1.28E-05	1.30E-05	5.92E-06	3.37E-06	0.00E+00	0.00E+00	2.36E-06	4.35E-07	3.08E-06	4.75E-07	2.61E-07	6.61E-06
1158	485902.5	3855785.28	1.91E-02	2.13E-02	1.24E-02	6.63E-06	2.00E-05	1.16E-05	1.16E-05	1.17E-05	5.34E-06	3.10E-06	0.00E+00	0.00E+00	2.13E-06	3.93E-07	2.78E-06	4.29E-07	2.40E-07	5.98E-06
1159	486809.46	3856465.28	1.94E-02	2.13E-02	1.35E-02	6.71E-06	2.03E-05	1.17E-05	1.17E-05	1.17E-05	5.34E-06	3.38E-06	0.00E+00	0.00E+00	2.16E-06	3.98E-07	2.78E-06	4.29E-07	2.62E-07	6.03E-06
1160	486859.46	3856465.28	1.86E-02	2.04E-02	1.31E-02	6.44E-06	1.94E-05	1.13E-05	1.13E-05	1.12E-05	5.12E-06	3.27E-06	0.00E+00	0.00E+00	2.07E-06	3.82E-07	2.66E-06	4.11E-07	2.53E-07	5.78E-06
1161	486909.46	3856465.28	1.79E-02	1.96E-02	1.27E-02	6.18E-06	1.87E-05	1.08E-05	1.08E-05	1.07E-05	4.90E-06	3.17E-06	0.00E+00	0.00E+00	1.99E-06	3.67E-07	2.55E-06	3.94E-07	2.45E-07	5.55E-06
1162	486809.46	3856515.28	2.08E-02	2.29E-02	1.43E-02	7.20E-06	2.17E-05	1.26E-05	1.26E-05	1.26E-05	5.74E-06	3.59E-06	0.00E+00	0.00E+00	2.32E-06	4.27E-07	2.99E-06	4.61E-07	2.78E-07	6.47E-06
1163	486859.46	3856515.28	1.99E-02	2.19E-02	1.39E-02	6.89E-06	2.08E-05	1.21E-05	1.21E-05	1.20E-05	5.49E-06	3.47E-06	0.00E+00	0.00E+00	2.22E-06	4.09E-07	2.86E-06	4.41E-07	2.69E-07	6.19E-06
1164	486909.46	3856515.28	1.91E-02	2.10E-02	1.34E-02	6.60E-06	1.99E-05	1.15E-05	1.15E-05	1.15E-05	5.24E-06	3.36E-06	0.00E+00	0.00E+00	2.12E-06	3.92E-07	2.73E-06	4.21E-07	2.60E-07	5.93E-06
1165	486980.94	3856357.95	1.51E-02	1.65E-02	1.10E-02	5.23E-06	1.58E-05	9.15E-06	9.15E-06	9.06E-06	4.13E-06	2.74E-06	0.00E+00	0.00E+00	1.68E-06	3.11E-07	2.15E-06	3.32E-07	2.12E-07	4.69E-06
1166	487030.94	3856357.95	1.47E-02	1.60E-02	1.07E-02	5.09E-06	1.54E-05	8.89E-06	8.89E-06	8.80E-06	4.01E-06	2.68E-06	0.00E+00	0.00E+00	1.64E-06	3.02E-07	2.09E-06	3.22E-07	2.08E-07	4.56E-06
1167	486980.94	3856407.95	1.60E-02	1.75E-02	1.15E-02	5.53E-06	1.67E-05	9.66E-06	9.66E-06	9.58E-06	4.37E-06	2.88E-06	0.00E+00	0.00E+00	1.78E-06	3.28E-07	2.28E-06	3.51E-07	2.23E-07	4.95E-06
1168	487030.94	3856407.95	1.55E-02	1.69E-02	1.12E-02	5.36E-06	1.62E-05	9.36E-06	9.36E-06	9.27E-06	4.23E-06	2.81E-06	0.00E+00	0.00E+00	1.72E-06	3.18E-07	2.20E-06	3.40E-07	2.18E-07	4.80E-06
1169	487447.18	3856437.45	1.29E-02	1.39E-02	9.77E-03	4.46E-06	1.35E-05	7.79E-06	7.79E-06	7.65E-06	3.49E-06	2.45E-06	0.00E+00	0.00E+00	1.43E-06	2.64E-07	1.82E-06	2.80E-07	1.89E-07	3.98E-06
1170	487497.18	3856437.45	1.26E-02	1.36E-02	9.62E-03	4.36E-06	1.32E-05	7.63E-06	7.63E-06	7.48E-06	3.41E-06	2.41E-06	0.00E+00	0.00E+00	1.40E-06	2.59E-07	1.78E-06	2.74E-07	1.86E-07	3.90E-06
1171	487547.18	3856437.45	1.24E-02	1.34E-02	9.47E-03	4.28E-06	1.29E-05	7.48E-06	7.48E-06	7.33E-06	3.34E-06	2.37E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.74E-06	2.68E-07	1.84E-07	3.82E-06
1172	487447.18	3856487.45	1.34E-02	1.45E-02	1.01E-02	4.63E-06	1.40E-05	8.10E-06	8.10E-06	7.95E-06	3.63E-06	2.54E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.89E-06	2.91E-07	1.97E-07	4.14E-06
1173	487497.18	3856487.45	1.31E-02	1.42E-02	9.96E-03	4.53E-06	1.37E-05	7.91E-06	7.91E-06	7.76E-06	3.54E-06	2.49E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.84E-06	2.84E-07	1.93E-07	4.05E-06
1174	487547.18	3856487.45	1.28E-02	1.39E-02	9.82E-03	4.44E-06	1.34E-05	7.76E-06	7.76E-06	7.61E-06	3.47E-06	2.46E-06	0.00E+00	0.00E+00	1.43E-06	2.64E-07	1.81E-06	2.79E-07	1.90E-07	3.97E-06
1175	487447.18	3856537.45	1.39E-02	1.51E-02	1.05E-02	4.82E-06	1.46E-05	8.43E-06	8.43E-06	8.28E-06	3.78E-06	2.63E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.97E-06	3.03E-07	2.04E-07	4.31E-06
1176	487497.18	3856537.45	1.36E-02	1.47E-02	1.03E-02	4.70E-06	1.42E-05	8.22E-06	8.22E-06	8.07E-06	3.68E-06	2.58E-06	0.00E+00	0.00E+00	1.51E-06	2.79E-07	1.92E-06	2.96E-07	2.00E-07	4.20E-06
1177	487547.18	3856537.45	1.33E-02	1.44E-02	1.02E-02	4.60E-06	1.39E-05	8.04E-06	8.04E-06	7.89E-06	3.60E-06	2.54E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.87E-06	2.89E-07	1.97E-07	4.11E-06
1178	489285.89	3858826.54	2.18E-02	2.18E-02	2.27E-02	7.54E-06	2.28E-05	1.32E-05	1.32E-05	1.20E-05	5.47E-06	5.69E-06	0.00E+00	0.00E+00	2.42E-06	4.47E-07	2.85E-06	4.39E-07	4.40E-07	6.60E-06
1179	489335.89	3858826.54	2.12E-02	2.13E-02	2.21E-02	7.34E-06	2.22E-05	1.28E-05	1.28E-05	1.17E-05	5.32E-06	5.54E-06	0.00E+00	0.00E+00	2.36E-06	4.36E-07	2.77E-06	4.28E-07	4.29E-07	6.42E-06
1180	489385.89	3858826.54	2.06E-02	2.07E-02	2.15E-02	7.14E-06	2.16E-05	1.25E-05	1.25E-05	1.13E-05	5.18E-06	5.38E-06	0.00E+00	0.00E+00	2.30E-06	4.24E-07	2.70E-06	4.16E-07	4.17E-07	6.25E-06
1181	489435.89	3858826.54	2.01E-02	2.02E-02	2.10E-02	6.96E-06	2.10E-05	1.22E-05	1.22E-05	1.11E-05	5.05E-06	5.24E-06	0.00E+00	0.00E+00	2.24E-06	4.13E-07	2.63E-06	4.05E-07	4.06E-07	6.09E-06
1182	489485.89	3858826.54	1.96E-02	1.97E-02	2.04E-02	6.79E-06	2.05E-05	1.19E-05	1.19E-05	1.08E-05	4.92E-06	5.11E-06	0.00E+00	0.00E+00	2.18E-06	4.03E-07	2.56E-06	3.95E-07	3.96E-07	5.94E-06
1183	489535.89	3858826.54	1.91E-02	1.92E-02	1.99E-02	6.62E-06	2.00E-05	1.16E-05	1.16E-05	1.05E-05	4.80E-06	4.99E-06	0.00E+00	0.00E+00	2.13E-06	3.93E-07	2.50E-06	3.86E-07	3.86E-07	5.80E-06
1184	489585.89	3858826.54	1.87E-02	1.88E-02	1.95E-02	6.47E-06	1.95E-05	1.13E-05	1.13E-05	1.03E-05	4.69E-06	4.87E-06	0.00E+00	0.00E+00	2.08E-06	3.84E-07	2.44E-06	3.77E-07	3.77E-07	5.66E-06
1185	489635.89	3858826.54	1.82E-02	1.83E-02	1.90E-02	6.31E-06	1.91E-05	1.10E-05	1.10E-05	1.00E-05	4.58E-06	4.75E-06	0.00E+00	0.00E+00	2.03E-06	3.75E-07	2.39E-06	3.68E-07	3.68E-07	5.53E-06
1186	489685.89	3858826.54	1.78E-02	1.79E-02	1.85E-02	6.17E-06	1.86E-05	1.08E-05	1.08E-05	9.81E-06	4.47E-06	4.64E-06	0.00E+00	0.00E+00	1.98E-06	3.66E-07	2.33E-06	3.59E-07	3.59E-07	5.40E-06
1187	489735.89	3858826.54	1.74E-02	1.75E-02	1.81E-02	6.02E-06	1.82E-05	1.05E-05	1.05E-05	9.58E-06	4.37E-06	4.53E-06	0.00E+00	0.00E+00	1.94E-06	3.57E-07	2.28E-06	3.51E-07	3.51E-07	5.27E-06
1188	489785.89	3858826.54	1.70E-02	1.71E-02	1.77E-02	5.89E-06	1.78E-05	1.03E-05	1.03E-05	9.38E-06	4.28E-06	4.43E-06	0.00E+00	0.00E+00	1.90E-06	3.50E-07	2.23E-06	3.44E-07	3.43E-07	5.16E-06
1189	489835.89	3858826.54	1.66E-02	1.67E-02	1.73E-02	5.76E-06	1.74E-05	1.01E-05	1.01E-05	9.17E-06	4.18E-06	4.33E-06	0.00E+00	0.00E+00	1.85E-06	3.42E-07	2.18E-06	3.36E-07	3.35E-07	5.04E-06
1190	489885.89	3858826.54	1.63E-02	1.64E-02	1.69E-02	5.64E-06	1.70E-05	9.87E-06	9.87E-06	8.98E-06	4.10E-06	4.24E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.13E-06	3.29E-07	3.28E-07	4.94E-06
1191	489935.89	3858826.54	1.60E-02	1.60E-02	1.66E-02	5.53E-06	1.67E-05	9.67E-06	9.67E-06	8.80E-06	4.02E-06	4.15E-06	0.00E+00	0.00E+00	1.78E-06	3.28E-07	2.09E-06	3.22E-07	3.22E-07	4.84E-06
1192	489985.89	3858826.54	1.56E-02	1.57E-02	1.62E-02	5.42E-06	1.64E-05	9.47E-06	9.47E-06	8.62E-06	3.93E-06	4.07E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.05E-06	3.16E-07	3.15E-07	4.74E-06
1193	490035.89	3858826.54	1.53E-02	1.54E-02	1.59E-02	5.30E-06	1.60E-05	9.26E-06	9.26E-06	8.43E-06	3.85E-06	3.97E-06	0.00E+00	0.00E+00	1.70E-06	3.14E-07	2.00E-06	3.09E-07	3.08E-07	4.64E-06
1194	489285.89	3858876.54	2.33E-02	2.34E-02	2.43E-02	8.06E-06	2.43E-05	1.41E-05	1.41E-05	1.28E-05	5.84E-06	6.09E-06	0.00E+00	0.00E+00	2.59E-06	4.78E-07	3.04E-06	4.69E-07	4.71E-07	7.05E-06
1195	489335.89	3858876.54	2.26E-02	2.26E-02	2.36E-02	7.81E-06	2.36E-05	1.37E-05	1.37E-05	1.24E-05	5.66E-06	5.90E-06	0.00E+00	0.00E+00	2.51E-06	4.63E-07	2.95E-06	4.55E-07	4.57E-07	6.84E-06
1196	489385.89	3858876.54	2.19E-02	2.20E-02	2.29E-02	7.58E-06	2.29E-05	1.33E-05	1.33E-05	1.20E-05	5.50E-06	5.72E-06	0.00E+00	0.00E+00	2.44E-06	4.50E-07	2.86E-06	4.41E-07	4.43E-07	6.64E-06
1197	489435.89	3858876.54	2.13E-02	2.13E-02	2.22E-02	7.36E-06	2.22E-05	1.29E-05	1.29E-05	1.17E-05	5.34E-06	5.56E-06	0.00E+00	0.00E+00	2.37E-06	4.37E-07	2.78E-06	4.29E-07	4.30E-07	6.45E-06
1198	489485.89	3858876.54	2.07E-02	2.07E-02	2.16E-02	7.16E-06	2.16E-05	1.25E-05	1.25E-05	1.14E-05	5.19E-06	5.40E-06	0.00E+00	0.00E+00	2.30E-06	4.25E-07	2.70E-06	4.17E-07	4.18E-07	6.27E-06
1199	489535.89	3858876.54	2.01E-02	2.02E-02	2.10E-02	6.96E-06	2.10E-05	1.22E-05	1.22E-05	1.11E-05	5.05E-06	5.25E-06	0.00E+00	0.00E+00	2.24E-06	4.13E-07	2.63E-06	4.06E-07	4.07E-07	6.09E-06
1200	489585.89	3858876.54	1.96E-02	1.96E-02	2.04E-02	6.77E-06	2.04E-05	1.18E-05	1.18E-05	1.08E-05	4.91E-06	5.10E-06	0.00E+00	0.00E+00	2.18E-06	4.02E-07	2.56E-06	3.94E-07	3.95E-07	5.92E-06
1201	489635.89	3858876.54	1.91E-02	1.91E-02	1.99E-02	6.60E-06	1.99E-05	1.15E-05	1.15E-05	1.05E-05	4.79E-06	4.97E-06	0.00E+00	0.00E+00	2.12E-06	3.91E-07	2.49E-06	3.84E-07	3.85E-07	5.77E-06
1202	489685.89	3858876.54	1.86E-02	1.86E-02	1.93E-02	6.43E-06	1.94E-05	1.12E-05	1.12E-05	1.02E-05	4.66E-06	4.84E-06	0.00E+00	0.00E+00	2.07E-06	3.81E-07	2.43E-06	3.75E-07	3.75E-07	5.63E-06
1203	489735.89	3858876.54	1.81E-02	1.82E-02	1.88E-02	6.26E-06	1.89E-05	1.09E-05	1.09E-05	9.96E-06	4.54E-06	4.72E-06	0.00E+00	0.00E+00	2.01E-06	3.72E-07	2.37E-06	3.65E-07	3.65E-07	5.48E-06
1204	489785.89	3858876.54	1.77E-02	1.77E-02	1.84E-02	6.12E-06	1.85E-05	1.07E-05	1.07E-05	9.73E-06	4.44E-06	4.60E-06	0.00E+00	0.00E+00	1.97E-06	3.63E-07	2.31E-06	3.56E-07	3.57E-07	5.35E-06
1205	489835.89	3858876.54	1.72E-02	1.73E-02	1.79E-02	5.97E-06	1.80E-05	1.04E-05	1.04E-05	9.49E-06	4.33E-06	4.49E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.26E-06	3.48E-07	3.48E-07	5.23E-06
1206	489885.89	3858876.54	1.69E-02	1.70E-02	1.76E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.30E-06	4.24E-06	4.40E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.21E-06	3.41E-07	3.40E-07	5.12E-06
1207	489935.89	3858876.54	1.65E-02	1.66E-02	1.71E-02	5.71E-06	1.72E-05	9.98E-06	9.98E-06	9.08E-06	4.14E-06	4.29E-06	0.00E+00	0.00E+00	1.84E-06	3.39E-07	2.16E-06	3.33E-07	3.32E-07	5.00E-06
1208	489985.89	3858876.54	1.61E-02	1.62E-02	1.67E-02	5.57E-06	1.68E-05	9.74E-06	9.74E-06	8.87E-06	4.05E-06	4.19E-06	0.00E+00	0.00E+00	1.79E-06	3.31E-07	2.11E-06	3.25E-07	3.24E-07	4.88E-06
1209	490035.89	3858876.54	1.57E-02	1.58E-02	1.63E-02	5.45E-06	1.64E-05	9.52E-06	9.52E-06	8.67E-06	3.95E-06	4.09E-06	0.00E+00	0.00E+00	1.75E-06	3.23E-07	2.06E-06	3.18E-07	3.17E-07	4.77E-06
1210	489285.89	3858926.54	2.49E-02	2.49E-02	2.60E-02	8.61E-06	2.60E-05	1.50E-05	1.50E-05	1.37E-05	6.24E-06	6.51E-06	0.00E+00	0.00E+00	2.77E-06	5.11E-07	3.25E-06	5.01E-07	5.04E-07	7.53E-06
1211	489335.89	3858926.54	2.40E-02	2.41E-02	2.51E-02	8.30E-06	2.51E-05	1.45E-05	1.45E-05	1.32E-05	6.02E-06	6.28E-06	0.00E+00	0.00E+00	2.67E-06	4.93E-07	3.13E-06	4.83E-07	4.86E-07	7.27E-06
1212	489385.89	3858926.54	2.32E-02	2.32E-02	2.42E-02	8.01E-06	2.42E-05	1.40E-05	1.40E-05	1.27E-05	5.81E-06	6.05E-06	0.00E+00	0.00E+00	2.58E-06	4.75E-07	3.03E-06	4.67E-07	4.69E-07	7.01E-06
1213	489435.89	3858926.54	2.24E-02	2.25E-02	2.34E-02	7.76E-06	2.34E-05	1.36E-05	1.36E-05	1.23E-05	5.63E-06	5.86E-06	0.00E+00	0.00E+00	2.50E-06	4.60E-07	2.93E-06	4.52E-07	4.54E-07	6.79E-06
1214	489485.89	3858926.54	2.17E-02	2.18E-02	2.27E-02	7.52E-06	2.27E-05	1.31E-05	1.31E-05	1.19E-05	5.45E-06	5.68E-06	0.00E+00	0.00E+00	2.42E-06	4.46E-07	2.84E-06	4.38E-07	4.40E-07	6.58E-06
1215	489535.89	3858926.54	2.11E-02	2.11E-02	2.20E-02	7.29E-06	2.20E-05	1.27E-05	1.27E-05	1.16E-05	5.29E-06	5.50E-06	0.00E+00	0.00E+00	2.34E-06	4.33E-07	2.75E-06	4.25E-07	4.26E-07	6.38E-06
1216	489585.89	3858926.54	2.04E-02	2.05E-02	2.13E-02	7.08E-06	2.14E-05	1.24E-05	1.24E-05	1.12E-05	5.13E-06	5.34E-06	0.00E+00	0.00E+00	2.28E-06	4.20E-07	2.67E-06	4.12E-07	4.13E-07	6.19E-06
1217	489635.89	3858926.54	1.99E-02	1.99E-02	2.07E-02	6.88E-06	2.08E-05	1.20E-05	1.20E-05	1.09E-05	4.99E-06	5.19E-06	0.00E+00	0.00E+00	2.21E-06	4.08E-07	2.60E-06	4.00E-07	4.02E-07	6.02E-06
1218	489685.89	3858926.54	1.93E-02	1.94E-02	2.01E-02	6.68E-06	2.02E-05	1.17E-05	1.17E-05	1.06E-05	4.84E-06	5.03E-06	0.00E+00	0.00E+00	2.15E-06	3.96E-07	2.52E-06	3.89E-07	3.90E-07	5.84E-06
1219	489735.89	3858926.54	1.88E-02	1.89E-02	1.96E-02	6.51E-06	1.96E-05	1.14E-05	1.14E-05	1.03E-05	4.72E-06	4.90E-06	0.00E+00	0.00E+00	2.09E-06	3.86E-07	2.46E-06	3.79E-07	3.80E-07	5.69E-06
1220	489785.89	3858926.54	1.83E-02	1.84E-02	1.91E-02	6.34E-06	1.92E-05	1.11E-05	1.11E-05	1.01E-05	4.60E-06	4.78E-06	0.00E+00	0.00E+00	2.04E-06	3.76E-07	2.40E-06	3.70E-07	3.70E-07	5.55E-06
1221	489835.89	3858926.54	1.78E-02	1.79E-02	1.86E-02	6.18E-06	1.87E-05	1.08E-05	1.08E-05	9.82E-06	4.48E-06	4.65E-06	0.00E+00	0.00E+00	1.99E-06	3.67E-07	2.33E-06	3.60E-07	3.60E-07	5.41E-06
1222	489885.89	3858926.54	1.74E-02	1.75E-02	1.81E-02	6.03E-06	1.82E-05	1.05E-05	1.05E-05	9.59E-06	4.38E-06	4.54E-06	0.00E+00	0.00E+00	1.94E-06	3.58E-07	2.28E-06	3.51E-07	3.52E-07	5.28E-06
1223	489935.89	3858926.54	1.70E-02	1.71E-02	1.77E-02	5.88E-06	1.78E-05	1.03E-05	1.03E-05	9.36E-06	4.27E-06	4.43E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.22E-06	3.43E-07	3.43E-07	5.15E-06
1224	489985.89	3858926.54	1.66E-02	1.66E-02	1.72E-02	5.73E-06	1.73E-05	1.00E-05	1.00E-05	9.12E-06	4.16E-06	4.31E-06	0.00E+00	0.00E+00	1.84E-06	3.40E-07	2.17E-06	3.34E-07	3.34E-07	5.02E-06
1225	490035.89	3858926.54	1.61E-02	1.62E-02	1.68E-02	5.58E-06	1.68E-05	9.75E-06	9.75E-06	8.87E-06	4.05E-06	4.19E-06	0.00E+00	0.00E+00	1.79E-06	3.31E-07	2.11E-06	3.25E-07	3.25E-07	4.88E-06
1226	489335.89	3858976.54	2.53E-02	2.54E-02	2.65E-02	8.77E-06	2.65E-05	1.53E-05	1.53E-05	1.39E-05	6.36E-06	6.63E-06	0.00E+00	0.00E+00	2.82E-06	5.20E-07	3.31E-06	5.10E-07	5.14E-07	7.68E-06
1227	489385.89	3858976.54	2.44E-02	2.44E-02	2.55E-02	8.43E-06	2.55E-05	1.47E-05	1.47E-05	1.34E-05	6.11E-06	6.38E-06	0.00E+00	0.00E+00	2.71E-06	5.00E-07	3.18E-06	4.91E-07	4.94E-07	7.38E-06
1228	489435.89	3858976.54	2.35E-02	2.36E-02	2.46E-02	8.15E-06	2.46E-05	1.42E-05	1.42E-05	1.29E-05	5.91E-06	6.16E-06	0.00E+00	0.00E+00	2.62E-06	4.83E-07	3.08E-06	4.74E-07	4.77E-07	7.13E-06
1229	489485.89	3858976.54	2.27E-02	2.28E-02	2.37E-02	7.87E-06	2.38E-05	1.37E-05	1.37E-05	1.25E-05	5.70E-06	5.94E-06	0.00E+00	0.00E+00	2.53E-06	4.67E-07	2.97E-06	4.58E-07	4.60E-07	6.88E-06
1230	489535.89	3858976.54	2.20E-02	2.20E-02	2.29E-02	7.60E-06	2.29E-05	1.33E-05	1.33E-05	1.21E-05	5.51E-06	5.74E-06	0.00E+00	0.00E+00	2.44E-06	4.51E-07	2.87E-06	4.42E-07	4.44E-07	6.65E-06
1231	489585.89	3858976.54	2.13E-02	2.13E-02	2.22E-02	7.37E-06	2.22E-05	1.29E-05	1.29E-05	1.17E-05	5.34E-06	5.56E-06	0.00E+00	0.00E+00	2.37E-06	4.37E-07	2.78E-06	4.29E-07	4.31E-07	6.45E-06
1232	489635.89	3858976.54	2.06E-02	2.07E-02	2.15E-02	7.14E-06	2.16E-05	1.25E-05	1.25E-05	1.13E-05	5.18E-06	5.39E-06	0.00E+00	0.00E+00	2.30E-06	4.24E-07	2.70E-06	4.16E-07	4.17E-07	6.25E-06
1233	489685.89	3858976.54	2.00E-02	2.01E-02	2.09E-02	6.92E-06	2.09E-05	1.21E-05	1.21E-05	1.10E-05	5.02E-06	5.22E-06	0.00E+00	0.00E+00	2.23E-06	4.11E-07	2.61E-06	4.03E-07	4.04E-07	6.06E-06
1234	489735.89	3858976.54	1.94E-02	1.95E-02	2.03E-02	6.73E-06	2.03E-05	1.18E-05	1.18E-05	1.07E-05	4.88E-06	5.08E-06	0.00E+00	0.00E+00	2.16E-06	3.99E-07	2.54E-06	3.92E-07	3.93E-07	5.89E-06
1235	489785.89	3858976.54	1.89E-02	1.90E-02	1.97E-02	6.55E-06	1.98E-05	1.15E-05	1.15E-05	1.04E-05	4.75E-06	4.94E-06	0.00E+00	0.00E+00	2.11E-06	3.89E-07	2.48E-06	3.82E-07	3.83E-07	5.74E-06
1236	489835.89	3858976.54	1.84E-02	1.85E-02	1.92E-02	6.38E-06	1.93E-05	1.12E-05	1.12E-05	1.01E-05	4.63E-06	4.81E-06	0.00E+00	0.00E+00	2.05E-06	3.79E-07	2.41E-06	3.72E-07	3.73E-07	5.59E-06
1237	489885.89	3858976.54	1.79E-02	1.80E-02	1.87E-02	6.20E-06	1.87E-05	1.08E-05	1.08E-05	9.86E-06	4.50E-06	4.67E-06	0.00E+00	0.00E+00	1.99E-06	3.68E-07	2.34E-06	3.61E-07	3.62E-07	5.43E-06
1238	489935.89	3858976.54	1.74E-02	1.75E-02	1.82E-02	6.04E-06	1.82E-05	1.05E-05	1.05E-05	9.60E-06	4.38E-06	4.55E-06	0.00E+00	0.00E+00	1.94E-06	3.58E-07	2.28E-06	3.52E-07	3.52E-07	5.28E-06
1239	489985.89	3858976.54	1.70E-02	1.71E-02	1.77E-02	5.88E-06	1.78E-05	1.03E-05	1.03E-05	9.35E-06	4.27E-06	4.43E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.22E-06	3.43E-07	3.43E-07	5.15E-06
1240	490035.89	3858976.54	1.63E-02	1.64E-02	1.70E-02	5.65E-06	1.71E-05	9.88E-06	9.88E-06	8.99E-06	4.10E-06	4.25E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.14E-06	3.29E-07	3.29E-07	4.95E-06
1241	489385.89	3859026.54	2.55E-02	2.55E-02	2.67E-02	8.82E-06	2.66E-05	1.54E-05	1.54E-05	1.40E-05	6.39E-06	6.67E-06	0.00E+00	0.00E+00	2.84E-06	5.23E-07	3.33E-06	5.13E-07	5.17E-07	7.72E-06
1242	489435.89	3859026.54	2.45E-02	2.46E-02	2.56E-02	8.48E-06	2.56E-05	1.48E-05	1.48E-05	1.35E-05	6.15E-06	6.42E-06	0.00E+00	0.00E+00	2.73E-06	5.03E-07	3.20E-06	4.94E-07	4.97E-07	7.42E-06
1243	489485.89	3859026.54	2.36E-02	2.37E-02	2.47E-02	8.17E-06	2.47E-05	1.43E-05	1.43E-05	1.30E-05	5.92E-06	6.18E-06	0.00E+00	0.00E+00	2.63E-06	4.85E-07	3.08E-06	4.76E-07	4.78E-07	7.15E-06
1244	489535.89	3859026.54	2.28E-02	2.28E-02	2.38E-02	7.89E-06	2.38E-05	1.38E-05	1.38E-05	1.25E-05	5.72E-06	5.96E-06	0.00E+00	0.00E+00	2.54E-06	4.68E-07	2.98E-06	4.59E-07	4.62E-07	6.90E-06
1245	489585.89	3859026.54	2.20E-02	2.21E-02	2.30E-02	7.61E-06	2.30E-05	1.33E-05	1.33E-05	1.21E-05	5.52E-06	5.75E-06	0.00E+00	0.00E+00	2.45E-06	4.52E-07	2.87E-06	4.43E-07	4.46E-07	6.66E-06
1246	489635.89	3859026.54	2.13E-02	2.14E-02	2.23E-02	7.37E-06	2.23E-05	1.29E-05	1.29E-05	1.17E-05	5.35E-06	5.57E-06	0.00E+00	0.00E+00	2.37E-06	4.37E-07	2.78E-06	4.29E-07	4.31E-07	6.45E-06
1247	489685.89	3859026.54	2.06E-02	2.07E-02	2.16E-02	7.14E-06	2.16E-05	1.25E-05	1.25E-05	1.14E-05	5.18E-06	5.40E-06	0.00E+00	0.00E+00	2.30E-06	4.24E-07	2.70E-06	4.16E-07	4.18E-07	6.25E-06
1248	489735.89	3859026.54	2.00E-02	2.01E-02	2.09E-02	6.94E-06	2.10E-05	1.21E-05	1.21E-05	1.10E-05	5.03E-06	5.24E-06	0.00E+00	0.00E+00	2.23E-06	4.12E-07	2.62E-06	4.04E-07	4.06E-07	6.07E-06
1249	489785.89	3859026.54	1.95E-02	1.95E-02	2.03E-02	6.75E-06	2.04E-05	1.18E-05	1.18E-05	1.07E-05	4.89E-06	5.09E-06	0.00E+00	0.00E+00	2.17E-06	4.00E-07	2.55E-06	3.93E-07	3.94E-07	5.90E-06
1250	489835.89	3859026.54	1.89E-02	1.90E-02	1.97E-02	6.54E-06	1.98E-05	1.14E-05	1.14E-05	1.04E-05	4.74E-06	4.93E-06	0.00E+00	0.00E+00	2.10E-06	3.88E-07	2.47E-06	3.81E-07	3.82E-07	5.72E-06
1251	489885.89	3859026.54	1.84E-02	1.84E-02	1.92E-02	6.36E-06	1.92E-05	1.11E-05	1.11E-05	1.01E-05	4.61E-06	4.79E-06	0.00E+00	0.00E+00	2.04E-06	3.77E-07	2.40E-06	3.70E-07	3.71E-07	5.56E-06
1252	489935.89	3859026.54	1.78E-02	1.79E-02	1.86E-02	6.18E-06	1.87E-05	1.08E-05	1.08E-05	9.82E-06	4.48E-06	4.66E-06	0.00E+00	0.00E+00	1.99E-06	3.67E-07	2.33E-06	3.60E-07	3.61E-07	5.41E-06
1253	489985.89	3859026.54	1.74E-02	1.74E-02	1.81E-02	6.01E-06	1.81E-05	1.05E-05	1.05E-05	9.55E-06	4.36E-06	4.53E-06	0.00E+00	0.00E+00	1.93E-06	3.56E-07	2.27E-06	3.50E-07	3.50E-07	5.26E-06

1254	490035.89	3859026.54	1.66E-02	1.66E-02	1.73E-02	5.74E-06	1.73E-05	1.00E-05	1.00E-05	9.13E-06	4.17E-06	4.32E-06	0.00E+00	0.00E+00	1.85E-06	3.41E-07	2.17E-06	3.35E-07	3.35E-07	5.03E-06
1255	489485.89	3859076.54	2.44E-02	2.44E-02	2.55E-02	8.44E-06	2.55E-05	1.47E-05	1.47E-05	1.34E-05	6.11E-06	6.38E-06	0.00E+00	0.00E+00	2.71E-06	5.01E-07	3.18E-06	4.91E-07	4.94E-07	7.38E-06
1256	489535.89	3859076.54	2.35E-02	2.35E-02	2.45E-02	8.12E-06	2.45E-05	1.42E-05	1.42E-05	1.29E-05	5.89E-06	6.14E-06	0.00E+00	0.00E+00	2.61E-06	4.82E-07	3.07E-06	4.73E-07	4.76E-07	7.11E-06
1257	489585.89	3859076.54	2.26E-02	2.27E-02	2.37E-02	7.83E-06	2.37E-05	1.37E-05	1.37E-05	1.24E-05	5.68E-06	5.92E-06	0.00E+00	0.00E+00	2.52E-06	4.65E-07	2.96E-06	4.56E-07	4.59E-07	6.85E-06
1258	489635.89	3859076.54	2.19E-02	2.20E-02	2.29E-02	7.58E-06	2.29E-05	1.33E-05	1.33E-05	1.20E-05	5.50E-06	5.73E-06	0.00E+00	0.00E+00	2.44E-06	4.50E-07	2.86E-06	4.41E-07	4.44E-07	6.64E-06
1259	489685.89	3859076.54	2.12E-02	2.13E-02	2.22E-02	7.35E-06	2.22E-05	1.28E-05	1.28E-05	1.17E-05	5.33E-06	5.55E-06	0.00E+00	0.00E+00	2.36E-06	4.36E-07	2.77E-06	4.28E-07	4.30E-07	6.43E-06
1260	489735.89	3859076.54	2.06E-02	2.06E-02	2.15E-02	7.12E-06	2.15E-05	1.25E-05	1.25E-05	1.13E-05	5.16E-06	5.38E-06	0.00E+00	0.00E+00	2.29E-06	4.23E-07	2.69E-06	4.15E-07	4.17E-07	6.23E-06
1261	489785.89	3859076.54	2.00E-02	2.00E-02	2.09E-02	6.91E-06	2.09E-05	1.21E-05	1.21E-05	1.10E-05	5.01E-06	5.22E-06	0.00E+00	0.00E+00	2.22E-06	4.10E-07	2.61E-06	4.02E-07	4.04E-07	6.05E-06
1262	489835.89	3859076.54	1.94E-02	1.94E-02	2.02E-02	6.70E-06	2.02E-05	1.17E-05	1.17E-05	1.07E-05	4.86E-06	5.06E-06	0.00E+00	0.00E+00	2.16E-06	3.98E-07	2.53E-06	3.90E-07	3.92E-07	5.87E-06
1263	489885.89	3859076.54	1.88E-02	1.88E-02	1.96E-02	6.50E-06	1.96E-05	1.14E-05	1.14E-05	1.03E-05	4.71E-06	4.91E-06	0.00E+00	0.00E+00	2.09E-06	3.86E-07	2.46E-06	3.79E-07	3.80E-07	5.69E-06
1264	489935.89	3859076.54	1.83E-02	1.83E-02	1.90E-02	6.32E-06	1.91E-05	1.10E-05	1.10E-05	1.00E-05	4.58E-06	4.77E-06	0.00E+00	0.00E+00	2.03E-06	3.75E-07	2.39E-06	3.68E-07	3.69E-07	5.53E-06
1265	489985.89	3859076.54	1.77E-02	1.78E-02	1.85E-02	6.13E-06	1.85E-05	1.07E-05	1.07E-05	9.74E-06	4.45E-06	4.62E-06	0.00E+00	0.00E+00	1.97E-06	3.64E-07	2.32E-06	3.57E-07	3.58E-07	5.37E-06
1266	490035.89	3859076.54	1.70E-02	1.70E-02	1.77E-02	5.87E-06	1.77E-05	1.03E-05	1.03E-05	9.33E-06	4.26E-06	4.42E-06	0.00E+00	0.00E+00	1.89E-06	3.48E-07	2.22E-06	3.42E-07	3.43E-07	5.14E-06
1267	489585.89	3859126.54	2.32E-02	2.32E-02	2.43E-02	8.03E-06	2.42E-05	1.40E-05	1.40E-05	1.27E-05	5.82E-06	6.07E-06	0.00E+00	0.00E+00	2.58E-06	4.76E-07	3.03E-06	4.67E-07	4.70E-07	7.02E-06
1268	489635.89	3859126.54	2.24E-02	2.25E-02	2.35E-02	7.76E-06	2.34E-05	1.36E-05	1.36E-05	1.23E-05	5.63E-06	5.87E-06	0.00E+00	0.00E+00	2.50E-06	4.61E-07	2.93E-06	4.52E-07	4.54E-07	6.79E-06
1269	489685.89	3859126.54	2.17E-02	2.17E-02	2.27E-02	7.51E-06	2.27E-05	1.31E-05	1.31E-05	1.19E-05	5.44E-06	5.68E-06	0.00E+00	0.00E+00	2.41E-06	4.45E-07	2.83E-06	4.37E-07	4.39E-07	6.57E-06
1270	489735.89	3859126.54	2.10E-02	2.11E-02	2.20E-02	7.27E-06	2.20E-05	1.27E-05	1.27E-05	1.15E-05	5.27E-06	5.49E-06	0.00E+00	0.00E+00	2.34E-06	4.31E-07	2.74E-06	4.23E-07	4.25E-07	6.36E-06
1271	489785.89	3859126.54	2.04E-02	2.04E-02	2.13E-02	7.05E-06	2.13E-05	1.23E-05	1.23E-05	1.12E-05	5.11E-06	5.33E-06	0.00E+00	0.00E+00	2.27E-06	4.18E-07	2.66E-06	4.10E-07	4.12E-07	6.17E-06
1272	489835.89	3859126.54	1.97E-02	1.98E-02	2.06E-02	6.83E-06	2.06E-05	1.19E-05	1.19E-05	1.09E-05	4.95E-06	5.16E-06	0.00E+00	0.00E+00	2.20E-06	4.05E-07	2.58E-06	3.98E-07	3.99E-07	5.98E-06
1273	489885.89	3859126.54	1.91E-02	1.92E-02	2.00E-02	6.62E-06	2.00E-05	1.16E-05	1.16E-05	1.05E-05	4.80E-06	5.00E-06	0.00E+00	0.00E+00	2.13E-06	3.93E-07	2.50E-06	3.85E-07	3.87E-07	5.79E-06
1274	489935.89	3859126.54	1.86E-02	1.86E-02	1.94E-02	6.43E-06	1.94E-05	1.12E-05	1.12E-05	1.02E-05	4.66E-06	4.85E-06	0.00E+00	0.00E+00	2.07E-06	3.81E-07	2.43E-06	3.74E-07	3.76E-07	5.63E-06
1275	489985.89	3859126.54	1.79E-02	1.80E-02	1.87E-02	6.21E-06	1.87E-05	1.08E-05	1.08E-05	9.86E-06	4.50E-06	4.68E-06	0.00E+00	0.00E+00	2.00E-06	3.68E-07	2.34E-06	3.61E-07	3.63E-07	5.43E-06
1276	490035.89	3859126.54	1.73E-02	1.74E-02	1.81E-02	5.99E-06	1.81E-05	1.05E-05	1.05E-05	9.52E-06	4.35E-06	4.52E-06	0.00E+00	0.00E+00	1.93E-06	3.55E-07	2.26E-06	3.49E-07	3.50E-07	5.24E-06
1277	489585.89	3859176.54	2.36E-02	2.36E-02	2.47E-02	8.16E-06	2.46E-05	1.43E-05	1.43E-05	1.30E-05	5.91E-06	6.17E-06	0.00E+00	0.00E+00	2.62E-06	4.84E-07	3.08E-06	4.75E-07	4.78E-07	7.14E-06
1278	489635.89	3859176.54	2.28E-02	2.28E-02	2.38E-02	7.89E-06	2.38E-05	1.38E-05	1.38E-05	1.25E-05	5.71E-06	5.96E-06	0.00E+00	0.00E+00	2.54E-06	4.68E-07	2.98E-06	4.59E-07	4.62E-07	6.90E-06
1279	489685.89	3859176.54	2.21E-02	2.21E-02	2.31E-02	7.63E-06	2.30E-05	1.33E-05	1.33E-05	1.21E-05	5.53E-06	5.77E-06	0.00E+00	0.00E+00	2.45E-06	4.53E-07	2.88E-06	4.44E-07	4.47E-07	6.68E-06
1280	489735.89	3859176.54	2.14E-02	2.14E-02	2.23E-02	7.40E-06	2.23E-05	1.29E-05	1.29E-05	1.17E-05	5.36E-06	5.59E-06	0.00E+00	0.00E+00	2.38E-06	4.39E-07	2.79E-06	4.30E-07	4.33E-07	6.47E-06
1281	489785.89	3859176.54	2.07E-02	2.07E-02	2.16E-02	7.15E-06	2.16E-05	1.25E-05	1.25E-05	1.14E-05	5.19E-06	5.41E-06	0.00E+00	0.00E+00	2.30E-06	4.24E-07	2.70E-06	4.16E-07	4.19E-07	6.26E-06
1282	489835.89	3859176.54	2.00E-02	2.01E-02	2.09E-02	6.93E-06	2.09E-05	1.21E-05	1.21E-05	1.10E-05	5.02E-06	5.24E-06	0.00E+00	0.00E+00	2.23E-06	4.11E-07	2.62E-06	4.03E-07	4.06E-07	6.07E-06
1283	489885.89	3859176.54	1.94E-02	1.94E-02	2.03E-02	6.71E-06	2.03E-05	1.17E-05	1.17E-05	1.07E-05	4.87E-06	5.07E-06	0.00E+00	0.00E+00	2.16E-06	3.98E-07	2.53E-06	3.91E-07	3.93E-07	5.88E-06
1284	489935.89	3859176.54	1.88E-02	1.89E-02	1.97E-02	6.52E-06	1.97E-05	1.14E-05	1.14E-05	1.04E-05	4.73E-06	4.92E-06	0.00E+00	0.00E+00	2.10E-06	3.87E-07	2.46E-06	3.80E-07	3.81E-07	5.71E-06
1285	489985.89	3859176.54	1.82E-02	1.82E-02	1.90E-02	6.29E-06	1.90E-05	1.10E-05	1.10E-05	1.00E-05	4.56E-06	4.75E-06	0.00E+00	0.00E+00	2.02E-06	3.73E-07	2.38E-06	3.66E-07	3.68E-07	5.51E-06
1286	490035.89	3859176.54	1.77E-02	1.77E-02	1.85E-02	6.12E-06	1.85E-05	1.07E-05	1.07E-05	9.73E-06	4.44E-06	4.62E-06	0.00E+00	0.00E+00	1.97E-06	3.63E-07	2.31E-06	3.56E-07	3.58E-07	5.36E-06
1287	489685.89	3859226.54	2.22E-02	2.23E-02	2.33E-02	7.70E-06	2.33E-05	1.35E-05	1.35E-05	1.22E-05	5.58E-06	5.83E-06	0.00E+00	0.00E+00	2.48E-06	4.57E-07	2.91E-06	4.48E-07	4.51E-07	6.74E-06
1288	489735.89	3859226.54	2.16E-02	2.16E-02	2.26E-02	7.47E-06	2.26E-05	1.31E-05	1.31E-05	1.19E-05	5.41E-06	5.65E-06	0.00E+00	0.00E+00	2.40E-06	4.43E-07	2.82E-06	4.35E-07	4.37E-07	6.54E-06
1289	489785.89	3859226.54	2.09E-02	2.09E-02	2.18E-02	7.23E-06	2.18E-05	1.26E-05	1.26E-05	1.15E-05	5.24E-06	5.47E-06	0.00E+00	0.00E+00	2.32E-06	4.29E-07	2.73E-06	4.21E-07	4.23E-07	6.33E-06
1290	489835.89	3859226.54	2.02E-02	2.03E-02	2.11E-02	6.99E-06	2.11E-05	1.22E-05	1.22E-05	1.11E-05	5.07E-06	5.29E-06	0.00E+00	0.00E+00	2.25E-06	4.15E-07	2.64E-06	4.07E-07	4.09E-07	6.12E-06
1291	489885.89	3859226.54	1.96E-02	1.96E-02	2.05E-02	6.78E-06	2.05E-05	1.18E-05	1.18E-05	1.08E-05	4.91E-06	5.12E-06	0.00E+00	0.00E+00	2.18E-06	4.02E-07	2.56E-06	3.95E-07	3.97E-07	5.93E-06
1292	489935.89	3859226.54	1.90E-02	1.90E-02	1.98E-02	6.57E-06	1.98E-05	1.15E-05	1.15E-05	1.04E-05	4.77E-06	4.97E-06	0.00E+00	0.00E+00	2.11E-06	3.90E-07	2.48E-06	3.83E-07	3.84E-07	5.75E-06
1293	489985.89	3859226.54	1.83E-02	1.83E-02	1.91E-02	6.33E-06	1.91E-05	1.11E-05	1.11E-05	1.01E-05	4.59E-06	4.78E-06	0.00E+00	0.00E+00	2.04E-06	3.75E-07	2.39E-06	3.68E-07	3.70E-07	5.54E-06
1294	490035.89	3859226.54	1.78E-02	1.79E-02	1.86E-02	6.17E-06	1.86E-05	1.08E-05	1.08E-05	9.80E-06	4.47E-06	4.66E-06	0.00E+00	0.00E+00	1.98E-06	3.66E-07	2.33E-06	3.59E-07	3.61E-07	5.40E-06
1295	489735.89	3859276.54	2.17E-02	2.17E-02	2.27E-02	7.50E-06	2.26E-05	1.31E-05	1.31E-05	1.19E-05	5.43E-06	5.67E-06	0.00E+00	0.00E+00	2.41E-06	4.45E-07	2.83E-06	4.36E-07	4.39E-07	6.56E-06
1296	489785.89	3859276.54	2.10E-02	2.11E-02	2.20E-02	7.27E-06	2.20E-05	1.27E-05	1.27E-05	1.15E-05	5.27E-06	5.50E-06	0.00E+00	0.00E+00	2.34E-06	4.31E-07	2.74E-06	4.23E-07	4.26E-07	6.36E-06
1297	489835.89	3859276.54	2.03E-02	2.04E-02	2.12E-02	7.03E-06	2.12E-05	1.23E-05	1.23E-05	1.12E-05	5.09E-06	5.31E-06	0.00E+00	0.00E+00	2.26E-06	4.17E-07	2.65E-06	4.09E-07	4.12E-07	6.15E-06
1298	489885.89	3859276.54	1.97E-02	1.97E-02	2.06E-02	6.82E-06	2.06E-05	1.19E-05	1.19E-05	1.08E-05	4.94E-06	5.15E-06	0.00E+00	0.00E+00	2.19E-06	4.05E-07	2.57E-06	3.97E-07	3.99E-07	5.97E-06
1299	489935.89	3859276.54	1.91E-02	1.91E-02	1.99E-02	6.60E-06	1.99E-05	1.15E-05	1.15E-05	1.05E-05	4.79E-06	4.99E-06	0.00E+00	0.00E+00	2.12E-06	3.92E-07	2.49E-06	3.84E-07	3.86E-07	5.78E-06
1300	489985.89	3859276.54	1.83E-02	1.84E-02	1.92E-02	6.35E-06	1.92E-05	1.11E-05	1.11E-05	1.01E-05	4.60E-06	4.79E-06	0.00E+00	0.00E+00	2.04E-06	3.77E-07	2.40E-06	3.69E-07	3.71E-07	5.55E-06
1301	490035.89	3859276.54	1.80E-02	1.80E-02	1.88E-02	6.22E-06	1.88E-05	1.09E-05	1.09E-05	9.88E-06	4.51E-06	4.69E-06	0.00E+00	0.00E+00	2.00E-06	3.69E-07	2.35E-06	3.62E-07	3.64E-07	5.44E-06
1302	490458.06	3859590.74	1.49E-02	1.50E-02	1.56E-02	5.16E-06	1.56E-05	9.03E-06	9.03E-06	8.20E-06	3.74E-06	3.90E-06	0.00E+00	0.00E+00	1.66E-06	3.06E-07	1.95E-06	3.01E-07	3.02E-07	4.52E-06
1303	490508.06	3859590.74	1.46E-02	1.46E-02	1.52E-02	5.04E-06	1.52E-05	8.81E-06	8.81E-06	8.01E-06	3.65E-06	3.80E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	1.90E-06	2.93E-07	2.95E-07	4.41E-06
1304	490558.06	3859590.74	1.42E-02	1.42E-02	1.48E-02	4.92E-06	1.48E-05	8.60E-06	8.60E-06	7.82E-06	3.57E-06	3.71E-06	0.00E+00	0.00E+00	1.58E-06	2.92E-07	1.86E-06	2.86E-07	2.87E-07	4.30E-06
1305	490608.06	3859590.74	1.38E-02	1.39E-02	1.45E-02	4.79E-06	1.45E-05	8.38E-06	8.38E-06	7.62E-06	3.48E-06	3.62E-06	0.00E+00	0.00E+00	1.54E-06	2.84E-07	1.81E-06	2.79E-07	2.80E-07	4.20E-06
1306	490658.06	3859590.74	1.35E-02	1.35E-02	1.41E-02	4.67E-06	1.41E-05	8.16E-06	8.16E-06	7.42E-06	3.38E-06	3.52E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.76E-06	2.72E-07	2.73E-07	4.08E-06
1307	490708.06	3859590.74	1.31E-02	1.32E-02	1.37E-02	4.54E-06	1.37E-05	7.93E-06	7.93E-06	7.21E-06	3.29E-06	3.42E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.71E-06	2.64E-07	2.65E-07	3.97E-06
1308	490758.06	3859590.74	1.27E-02	1.28E-02	1.33E-02	4.41E-06	1.33E-05	7.70E-06	7.70E-06	7.00E-06	3.20E-06	3.32E-06	0.00E+00	0.00E+00	1.42E-06	2.61E-07	1.66E-06	2.57E-07	2.57E-07	3.86E-06
1309	490808.06	3859590.74	1.24E-02	1.24E-02	1.29E-02	4.29E-06	1.30E-05	7.50E-06	7.50E-06	6.82E-06	3.11E-06	3.23E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.62E-06	2.50E-07	2.50E-07	3.76E-06
1310	490858.06	3859590.74	1.21E-02	1.21E-02	1.26E-02	4.17E-06	1.26E-05	7.30E-06	7.30E-06	6.64E-06	3.03E-06	3.14E-06	0.00E+00	0.00E+00	1.34E-06	2.48E-07	1.58E-06	2.43E-07	2.43E-07	3.65E-06
1311	490458.06	3859640.74	1.49E-02	1.50E-02	1.56E-02	5.17E-06	1.56E-05	9.04E-06	9.04E-06	8.22E-06	3.75E-06	3.91E-06	0.00E+00	0.00E+00	1.66E-06	3.07E-07	1.95E-06	3.01E-07	3.03E-07	4.53E-06
1312	490508.06	3859640.74	1.46E-02	1.46E-02	1.53E-02	5.06E-06	1.53E-05	8.84E-06	8.84E-06	8.03E-06	3.67E-06	3.82E-06	0.00E+00	0.00E+00	1.63E-06	3.00E-07	1.91E-06	2.94E-07	2.96E-07	4.42E-06
1313	490558.06	3859640.74	1.43E-02	1.43E-02	1.49E-02	4.94E-06	1.49E-05	8.64E-06	8.64E-06	7.85E-06	3.58E-06	3.73E-06	0.00E+00	0.00E+00	1.59E-06	2.93E-07	1.87E-06	2.88E-07	2.89E-07	4.32E-06
1314	490608.06	3859640.74	1.39E-02	1.40E-02	1.45E-02	4.82E-06	1.45E-05	8.42E-06	8.42E-06	7.65E-06	3.49E-06	3.64E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.82E-06	2.80E-07	2.81E-07	4.21E-06
1315	490658.06	3859640.74	1.35E-02	1.36E-02	1.41E-02	4.69E-06	1.41E-05	8.19E-06	8.19E-06	7.45E-06	3.40E-06	3.54E-06	0.00E+00	0.00E+00	1.51E-06	2.78E-07	1.77E-06	2.73E-07	2.74E-07	4.10E-06
1316	490708.06	3859640.74	1.32E-02	1.32E-02	1.38E-02	4.56E-06	1.38E-05	7.98E-06	7.98E-06	7.25E-06	3.31E-06	3.44E-06	0.00E+00	0.00E+00	1.47E-06	2.71E-07	1.72E-06	2.66E-07	2.67E-07	3.99E-06
1317	490758.06	3859640.74	1.28E-02	1.29E-02	1.34E-02	4.44E-06	1.34E-05	7.75E-06	7.75E-06	7.05E-06	3.22E-06	3.35E-06	0.00E+00	0.00E+00	1.43E-06	2.63E-07	1.68E-06	2.58E-07	2.59E-07	3.88E-06
1318	490808.06	3859640.74	1.25E-02	1.26E-02	1.30E-02	4.33E-06	1.31E-05	7.57E-06	7.57E-06	6.89E-06	3.14E-06	3.27E-06	0.00E+00	0.00E+00	1.39E-06	2.57E-07	1.64E-06	2.52E-07	2.53E-07	3.79E-06
1319	490858.06	3859640.74	1.22E-02	1.23E-02	1.27E-02	4.23E-06	1.28E-05	7.39E-06	7.39E-06	6.73E-06	3.07E-06	3.19E-06	0.00E+00	0.00E+00	1.36E-06	2.51E-07	1.60E-06	2.46E-07	2.47E-07	3.70E-06
1320	490608.06	3859690.74	1.39E-02	1.40E-02	1.46E-02	4.83E-06	1.46E-05	8.44E-06	8.44E-06	7.67E-06	3.50E-06	3.64E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.82E-06	2.81E-07	2.82E-07	4.22E-06
1321	490658.06	3859690.74	1.36E-02	1.36E-02	1.42E-02	4.70E-06	1.42E-05	8.22E-06	8.22E-06	7.47E-06	3.41E-06	3.55E-06	0.00E+00	0.00E+00	1.51E-06	2.79E-07	1.78E-06	2.74E-07	2.75E-07	4.11E-06
1322	490708.06	3859690.74	1.32E-02	1.33E-02	1.38E-02	4.58E-06	1.38E-05	8.01E-06	8.01E-06	7.28E-06	3.32E-06	3.46E-06	0.00E+00	0.00E+00	1.47E-06	2.72E-07	1.73E-06	2.67E-07	2.68E-07	4.01E-06
1323	490758.06	3859690.74	1.29E-02	1.29E-02	1.34E-02	4.46E-06	1.35E-05	7.79E-06	7.79E-06	7.09E-06	3.23E-06	3.36E-06	0.00E+00	0.00E+00	1.43E-06	2.64E-07	1.68E-06	2.60E-07	2.60E-07	3.90E-06
1324	490808.06	3859690.74	1.26E-02	1.26E-02	1.31E-02	4.35E-06	1.31E-05	7.60E-06	7.60E-06	6.91E-06	3.15E-06	3.28E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.64E-06	2.53E-07	2.54E-07	3.81E-06
1325	490858.06	3859690.74	1.23E-02	1.24E-02	1.29E-02	4.27E-06	1.29E-05	7.46E-06	7.46E-06	6.79E-06	3.10E-06	3.22E-06	0.00E+00	0.00E+00	1.37E-06	2.53E-07	1.61E-06	2.49E-07	2.49E-07	3.74E-06
1326	490708.06	3859740.74	1.33E-02	1.33E-02	1.39E-02	4.60E-06	1.39E-05	8.04E-06	8.04E-06	7.31E-06	3.34E-06	3.47E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.74E-06	2.68E-07	2.69E-07	4.03E-06
1327	490758.06	3859740.74	1.30E-02	1.31E-02	1.36E-02	4.50E-06	1.36E-05	7.87E-06	7.87E-06	7.16E-06	3.27E-06	3.40E-06	0.00E+00	0.00E+00	1.45E-06	2.67E-07	1.70E-06	2.62E-07	2.63E-07	3.94E-06
1328	490808.06	3859740.74	1.27E-02	1.28E-02	1.33E-02	4.40E-06	1.33E-05	7.69E-06	7.69E-06	7.00E-06	3.19E-06	3.32E-06	0.00E+00	0.00E+00	1.42E-06	2.61E-07	1.66E-06	2.56E-07	2.57E-07	3.85E-06
1329	490858.06	3859740.74	1.24E-02	1.25E-02	1.30E-02	4.31E-06	1.30E-05	7.53E-06	7.53E-06	6.85E-06	3.12E-06	3.25E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.63E-06	2.51E-07	2.52E-07	3.77E-06
1330	490786.56	3859749.39	1.29E-02	1.29E-02	1.34E-02	4.45E-06	1.34E-05	7.78E-06	7.78E-06	7.07E-06	3.23E-06	3.36E-06	0.00E+00	0.00E+00	1.43E-06	2.64E-07	1.68E-06	2.59E-07	2.60E-07	3.90E-06
1331	490836.56	3859749.39	1.26E-02	1.26E-02	1.31E-02	4.35E-06	1.31E-05	7.61E-06	7.61E-06	6.92E-06	3.16E-06	3.28E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.64E-06	2.53E-07	2.54E-07	3.81E-06
1332	490786.56	3859799.39	1.29E-02	1.29E-02	1.35E-02	4.47E-06	1.35E-05	7.81E-06	7.81E-06	7.10E-06	3.24E-06	3.37E-06	0.00E+00	0.00E+00	1.44E-06	2.65E-07	1.69E-06	2.60E-07	2.61E-07	3.91E-06
1333	490836.56	3859799.39	1.26E-02	1.27E-02	1.32E-02	4.37E-06	1.32E-05	7.64E-06	7.64E-06	6.94E-06	3.17E-06	3.30E-06	0.00E+00	0.00E+00	1.41E-06	2.59E-07	1.65E-06	2.54E-07	2.55E-07	3.82E-06
1334	492307.84	3854508.36	1.87E-03	1.96E-03	1.65E-03	6.46E-07	1.95E-06	1.13E-06	1.13E-06	1.07E-06	4.89E-07	4.12E-07	0.00E+00	0.00E+00	2.08E-07	3.83E-08	2.55E-07	3.93E-08	3.19E-08	5.72E-07
1335	486445.7	3854753.6	2.15E-03	2.27E-03	1.82E-03	7.44E-07	2.25E-06	1.30E-06	1.30E-06	1.25E-06	5.69E-07	4.54E-07	0.00E+00	0.00E+00	2.39E-07	4.41E-08	2.96E-07	4.57E-08	3.52E-08	6.60E-07
1336	472599.75	3877830.11	1.22E-04	1.24E-04	1.22E-04	4.24E-08	1.28E-07	7.41E-08	7.41E-08	6.82E-08	3.11E-08	3.06E-08	0.00E+00	0.00E+00	1.36E-08	2.51E-09	1.62E-08	2.50E-09	2.37E-09	3.72E-08
1337	493107.48	3866840.19	3.61E-04	3.67E-04	3.59E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.01E-07	9.19E-08	8.99E-08	0.00E+00	0.00E+00	4.02E-08	7.42E-09	4.78E-08	7.38E-09	6.96E-09	1.10E-07
1338	495815.8	3861662.87	2.34E-03	2.35E-03	2.39E-03	8.08E-07	2.44E-06	1.41E-06	1.41E-06	1.29E-06	5.89E-07	5.99E-07	0.00E+00	0.00E+00	2.60E-07	4.80E-08	3.07E-07	4.73E-08	4.64E-08	7.08E-07
1339	480272.33	3841389.2	4.18E-05	4.24E-05	4.10E-05	1.45E-08	4.37E-08	2.53E-08	2.53E-08	2.33E-08	1.06E-08	1.03E-08	0.00E+00	0.00E+00	4.65E-09	8.58E-10	5.53E-09	8.52E-10	7.95E-10	1.27E-08
1340	497005.18	3862813.64	1.48E-03	1.49E-03	1.51E-03	5.11E-07	1.54E-06	8.94E-07	8.94E-07	8.17E-07	3.73E-07	3.78E-07	0.00E+00	0.00E+00	1.64E-07	3.03E-08	1.94E-07	3.00E-08	2.93E-08	4.48E-07
1341	493677.33	3860302.55	5.09E-03	5.13E-03	5.25E-03	1.76E-06	5.32E-06	3.08E-06	3.08E-06	2.81E-06	1.28E-06	1.31E-06	0.00E+00	0.00E+00	5.67E-07	1.05E-07	6.68E-07	1.03E-07	1.02E-07	1.54E-06
1342	493727.33	3860302.55	5.04E-03	5.07E-03	5.19E-03	1.75E-06	5.27E-06	3.05E-06	3.05E-06	2.78E-06	1.27E-06	1.30E-06	0.00E+00	0.00E+00	5.61E-07	1.04E-07	6.61E-07	1.02E-07	1.01E-07	1.53E-06
1343	493777.33	3860302.55	4.99E-03	5.02E-03	5.14E-03	1.73E-06	5.21E-06	3.02E-06	3.02E-06	2.75E-06	1.26E-06	1.29E-06	0.00E+00	0.00E+00	5.55E-07	1.02E-07	6.55E-07	1.01E-07	9.96E-08	1.51E-06
1344	493827.33	3860302.55	4.94E-03	4.97E-03	5.08E-03	1.71E-06	5.16E-06	2.99E-06	2.99E-06	2.73E-06	1.24E-06	1.27E-06	0.00E+00	0.00E+00	5.50E-07	1.01E-07	6.48E-07	9.99E-08	9.85E-08	1.50E-06
1345	493877.33	3860302.55	4.89E-03	4.92E-03	5.03E-03	1.69E-06	5.11E-06	2.96E-06	2.96E-06	2.70E-06	1.23E-06	1.26E-06	0.00E+00	0.00E+00	5.44E-07	1.00E-07	6.42E-07	9.90E-08	9.76E-08	1.48E-06
1346	493927.33	3860302.55	4.85E-03	4.88E-03	4.99E-03	1.68E-06	5.07E-06	2.93E-06	2.93E-06	2.68E-06	1.22E-06	1.25E-06	0.00E+00	0.00E+00	5.40E-07	9.96E-08	6.36E-07	9.81E-08	9.67E-08	1.47E-06
1347	493977.33	3860302.55	4.78E-03	4.82E-03	4.92E-03	1.66E-06	5.00E-06	2.89E-06	2.89E-06	2.64E-06	1.21E-06	1.23E-06	0.00E+00	0.00E+00	5.32E-07	9.82E-08	6.28E-07	9.68E-08	9.54E-08	1.45E-06
1348	494027.33	3860302.55	4.73E-03	4.76E-03	4.86E-03	1.64E-06	4.94E-06	2.86E-06	2.86E-06	2.61E-06	1.19E-06	1.22E-06	0.00E+00	0.00E+00	5.26E-07	9.71E-08	6.21E-07	9.57E-08	9.43E-08	1.43E-06
1349	493677.33	3860352.55	5.02E-03	5.05E-03	5.18E-03	1.74E-06	5.25E-06	3.04E-06	3.04E-06	2.77E-06	1.27E-06	1.30E-06	0.00E+00	0.00E+00	5.59E-07	1.03E-07	6.59E-07	1.02E-07	1.00E-07	1.52E-06
1350	493727.33	3860352.55	4.98E-03	5.01E-03	5.13E-03	1.72E-06	5.20E-06	3.01E-06	3.01E-06	2.75E-06	1.25E-06	1.28E-06	0.00E+00	0.00E+00	5.54E-07	1.02E-07	6.53E-07	1.01E-07	9.94E-08	1.51E-06
1351	493777.33	3860352.55	4.93E-03	4.96E-03	5.08E-03	1.71E-06	5.15E-06	2.98E-06	2.98E-06	2.72E-06	1.24E-06	1.27E-06	0.00E+00	0.00E+00	5.49E-07	1.01E-07	6.47E-07	9.98E-08	9.84E-08	1.50E-06
1352	493827.33	3860352.55	4.88E-03	4.92E-03	5.03E-03	1.69E-06	5.10E-06	2.95E-06	2.95E-06	2.70E-06	1.23E-06	1.26E-06	0.00E+00	0.00E+00	5.44E-07	1.00E-07	6.41E-07	9.88E-08	9.75E-08	1.48E-06
1353	493877.33	3860352.55	4.83E-03	4.87E-03	4.98E-03	1.67E-06	5.05E-06	2.93E-06	2.93E-06	2.67E-06	1.22E-06	1.25E-06	0.00E+00	0.00E+00	5.38E-07	9.93E-08	6.34E-07	9.78E-08	9.65E-08	1.47E-06
1354	493927.33	3860352.55	4.78E-03	4.81E-03	4.92E-03	1.66E-06	5.00E-06	2.89E-06	2.89E-06	2.64E-06	1.20E-06	1.23E-06	0.00E+00	0.00E+00	5.32E-07	9.82E-08	6.27E-07	9.67E-08	9.54E-08	1.45E-06
1355	493977.33	3860352.55	4.72E-03	4.76E-03	4.86E-03	1.64E-06	4.94E-06	2.86E-06	2.86E-06	2.61E-06	1.19E-06	1.22E-06	0.00E+00	0.00E+00	5.26E-07	9.70E-08	6.20E-07	9.56E-08	9.42E-08	1.43E-06
1356	494027.33	3860352.55	4.68E-03	4.71E-03	4.82E-03	1.62E-06	4.89E-06	2.83E-06	2.83E-06	2.59E-06	1.18E-06	1.21E-06	0.00E+00	0.00E+00	5.21E-07	9.61E-08	6.14E-07	9.47E-08	9.33E-08	1.42E-06
1357	493677.33	3860402.55	4.95E-03	4.98E-03	5.11E-03	1.71E-06	5.18E-06	3.00E-06	3.00E-06	2.73E-06	1.25E-06	1.28E-06	0.00E+00	0.00E+00	5.51E-07	1.02E-07	6.49E-07	1.00E-07	9.89E-08	1.50E-06
1358	493727.33	3860402.55	4.91E-03	4.94E-03	5.06E-03	1.70E-06	5.13E-06	2.97E-06	2.97E-06	2.71E-06	1.24E-06	1.27E-06	0.00E+00	0.00E+00	5.46E-07	1.01E-07	6.44E-07	9.93E-08	9.80E-08	1.49E-06

1359	493777.33	3860402.55	4.85E-03	4.89E-03	5.00E-03	1.68E-06	5.07E-06	2.94E-06	2.94E-06	2.68E-06	1.22E-06	1.25E-06	0.00E+00	0.00E+00	5.40E-07	9.97E-08	6.37E-07	9.82E-08	9.69E-08	1.47E-06
1360	493827.33	3860402.55	4.81E-03	4.85E-03	4.96E-03	1.67E-06	5.03E-06	2.91E-06	2.91E-06	2.66E-06	1.21E-06	1.24E-06	0.00E+00	0.00E+00	5.36E-07	9.89E-08	6.31E-07	9.74E-08	9.61E-08	1.46E-06
1361	493877.33	3860402.55	4.77E-03	4.80E-03	4.91E-03	1.65E-06	4.99E-06	2.89E-06	2.89E-06	2.63E-06	1.20E-06	1.23E-06	0.00E+00	0.00E+00	5.31E-07	9.80E-08	6.26E-07	9.65E-08	9.52E-08	1.45E-06
1362	493927.33	3860402.55	4.72E-03	4.75E-03	4.86E-03	1.63E-06	4.93E-06	2.86E-06	2.86E-06	2.61E-06	1.19E-06	1.22E-06	0.00E+00	0.00E+00	5.25E-07	9.69E-08	6.19E-07	9.55E-08	9.42E-08	1.43E-06
1363	493977.33	3860402.55	4.66E-03	4.70E-03	4.80E-03	1.61E-06	4.87E-06	2.82E-06	2.82E-06	2.58E-06	1.18E-06	1.20E-06	0.00E+00	0.00E+00	5.19E-07	9.58E-08	6.12E-07	9.44E-08	9.30E-08	1.41E-06
1364	494027.33	3860402.55	4.62E-03	4.66E-03	4.76E-03	1.60E-06	4.83E-06	2.80E-06	2.80E-06	2.55E-06	1.17E-06	1.19E-06	0.00E+00	0.00E+00	5.15E-07	9.50E-08	6.07E-07	9.36E-08	9.22E-08	1.40E-06
1365	493677.33	3860452.55	4.87E-03	4.90E-03	5.02E-03	1.69E-06	5.09E-06	2.95E-06	2.95E-06	2.69E-06	1.23E-06	1.26E-06	0.00E+00	0.00E+00	5.42E-07	1.00E-07	6.39E-07	9.85E-08	9.73E-08	1.48E-06
1366	493727.33	3860452.55	4.83E-03	4.86E-03	4.98E-03	1.67E-06	5.05E-06	2.92E-06	2.92E-06	2.67E-06	1.22E-06	1.25E-06	0.00E+00	0.00E+00	5.38E-07	9.92E-08	6.34E-07	9.77E-08	9.65E-08	1.47E-06
1367	493777.33	3860452.55	4.79E-03	4.82E-03	4.93E-03	1.66E-06	5.00E-06	2.90E-06	2.90E-06	2.64E-06	1.21E-06	1.24E-06	0.00E+00	0.00E+00	5.33E-07	9.83E-08	6.28E-07	9.68E-08	9.56E-08	1.45E-06
1368	493827.33	3860452.55	4.74E-03	4.77E-03	4.89E-03	1.64E-06	4.96E-06	2.87E-06	2.87E-06	2.62E-06	1.19E-06	1.22E-06	0.00E+00	0.00E+00	5.28E-07	9.74E-08	6.22E-07	9.59E-08	9.47E-08	1.44E-06
1369	493877.33	3860452.55	4.70E-03	4.73E-03	4.84E-03	1.63E-06	4.91E-06	2.84E-06	2.84E-06	2.59E-06	1.18E-06	1.21E-06	0.00E+00	0.00E+00	5.23E-07	9.64E-08	6.16E-07	9.50E-08	9.38E-08	1.42E-06
1370	493927.33	3860452.55	4.65E-03	4.68E-03	4.78E-03	1.61E-06	4.86E-06	2.81E-06	2.81E-06	2.57E-06	1.17E-06	1.20E-06	0.00E+00	0.00E+00	5.17E-07	9.54E-08	6.10E-07	9.40E-08	9.27E-08	1.41E-06
1371	493977.33	3860452.55	4.60E-03	4.64E-03	4.74E-03	1.59E-06	4.81E-06	2.79E-06	2.79E-06	2.54E-06	1.16E-06	1.19E-06	0.00E+00	0.00E+00	5.12E-07	9.46E-08	6.04E-07	9.32E-08	9.19E-08	1.40E-06
1372	494027.33	3860452.55	4.56E-03	4.60E-03	4.70E-03	1.58E-06	4.77E-06	2.76E-06	2.76E-06	2.52E-06	1.15E-06	1.18E-06	0.00E+00	0.00E+00	5.08E-07	9.37E-08	5.99E-07	9.23E-08	9.10E-08	1.38E-06
1373	493677.33	3860502.55	4.79E-03	4.82E-03	4.94E-03	1.66E-06	5.01E-06	2.90E-06	2.90E-06	2.64E-06	1.21E-06	1.24E-06	0.00E+00	0.00E+00	5.33E-07	9.84E-08	6.28E-07	9.69E-08	9.58E-08	1.45E-06
1374	493727.33	3860502.55	4.75E-03	4.78E-03	4.90E-03	1.64E-06	4.96E-06	2.87E-06	2.87E-06	2.62E-06	1.20E-06	1.23E-06	0.00E+00	0.00E+00	5.29E-07	9.76E-08	6.23E-07	9.61E-08	9.49E-08	1.44E-06
1375	493777.33	3860502.55	4.71E-03	4.74E-03	4.85E-03	1.63E-06	4.92E-06	2.85E-06	2.85E-06	2.60E-06	1.19E-06	1.21E-06	0.00E+00	0.00E+00	5.24E-07	9.67E-08	6.17E-07	9.52E-08	9.41E-08	1.43E-06
1376	493827.33	3860502.55	4.67E-03	4.70E-03	4.81E-03	1.62E-06	4.88E-06	2.82E-06	2.82E-06	2.58E-06	1.18E-06	1.20E-06	0.00E+00	0.00E+00	5.19E-07	9.58E-08	6.12E-07	9.44E-08	9.32E-08	1.41E-06
1377	493877.33	3860502.55	4.62E-03	4.65E-03	4.76E-03	1.60E-06	4.83E-06	2.80E-06	2.80E-06	2.55E-06	1.16E-06	1.19E-06	0.00E+00	0.00E+00	5.15E-07	9.49E-08	6.06E-07	9.35E-08	9.23E-08	1.40E-06
1378	493927.33	3860502.55	4.58E-03	4.61E-03	4.71E-03	1.58E-06	4.78E-06	2.77E-06	2.77E-06	2.53E-06	1.15E-06	1.18E-06	0.00E+00	0.00E+00	5.09E-07	9.40E-08	6.00E-07	9.26E-08	9.14E-08	1.39E-06
1379	493977.33	3860502.55	4.54E-03	4.57E-03	4.67E-03	1.57E-06	4.74E-06	2.75E-06	2.75E-06	2.51E-06	1.14E-06	1.17E-06	0.00E+00	0.00E+00	5.05E-07	9.32E-08	5.95E-07	9.18E-08	9.06E-08	1.38E-06
1380	494027.33	3860502.55	4.50E-03	4.53E-03	4.63E-03	1.56E-06	4.70E-06	2.72E-06	2.72E-06	2.48E-06	1.13E-06	1.16E-06	0.00E+00	0.00E+00	5.01E-07	9.24E-08	5.90E-07	9.10E-08	8.97E-08	1.36E-06
1381	493627.33	3860552.55	4.75E-03	4.78E-03	4.90E-03	1.64E-06	4.96E-06	2.87E-06	2.87E-06	2.62E-06	1.20E-06	1.23E-06	0.00E+00	0.00E+00	5.29E-07	9.75E-08	6.23E-07	9.60E-08	9.50E-08	1.44E-06
1382	493677.33	3860552.55	4.71E-03	4.74E-03	4.86E-03	1.63E-06	4.92E-06	2.85E-06	2.85E-06	2.60E-06	1.19E-06	1.22E-06	0.00E+00	0.00E+00	5.24E-07	9.68E-08	6.18E-07	9.53E-08	9.42E-08	1.43E-06
1383	493727.33	3860552.55	4.67E-03	4.70E-03	4.82E-03	1.62E-06	4.88E-06	2.83E-06	2.83E-06	2.58E-06	1.18E-06	1.21E-06	0.00E+00	0.00E+00	5.20E-07	9.59E-08	6.12E-07	9.45E-08	9.34E-08	1.42E-06
1384	493777.33	3860552.55	4.63E-03	4.66E-03	4.77E-03	1.60E-06	4.84E-06	2.80E-06	2.80E-06	2.56E-06	1.17E-06	1.19E-06	0.00E+00	0.00E+00	5.15E-07	9.51E-08	6.07E-07	9.36E-08	9.25E-08	1.40E-06
1385	493827.33	3860552.55	4.59E-03	4.62E-03	4.73E-03	1.59E-06	4.79E-06	2.77E-06	2.77E-06	2.53E-06	1.16E-06	1.18E-06	0.00E+00	0.00E+00	5.10E-07	9.42E-08	6.01E-07	9.28E-08	9.16E-08	1.39E-06
1386	493877.33	3860552.55	4.55E-03	4.58E-03	4.69E-03	1.57E-06	4.75E-06	2.75E-06	2.75E-06	2.51E-06	1.15E-06	1.17E-06	0.00E+00	0.00E+00	5.06E-07	9.34E-08	5.96E-07	9.20E-08	9.08E-08	1.38E-06
1387	493927.33	3860552.55	4.51E-03	4.54E-03	4.64E-03	1.56E-06	4.71E-06	2.73E-06	2.73E-06	2.49E-06	1.14E-06	1.16E-06	0.00E+00	0.00E+00	5.02E-07	9.25E-08	5.91E-07	9.12E-08	9.00E-08	1.37E-06
1388	493977.33	3860552.55	4.47E-03	4.50E-03	4.60E-03	1.55E-06	4.67E-06	2.70E-06	2.70E-06	2.47E-06	1.13E-06	1.15E-06	0.00E+00	0.00E+00	4.97E-07	9.17E-08	5.86E-07	9.03E-08	8.91E-08	1.35E-06
1389	494027.33	3860552.55	4.43E-03	4.46E-03	4.56E-03	1.53E-06	4.63E-06	2.68E-06	2.68E-06	2.45E-06	1.12E-06	1.14E-06	0.00E+00	0.00E+00	4.93E-07	9.09E-08	5.81E-07	8.96E-08	8.84E-08	1.34E-06
1390	493627.33	3860602.55	4.67E-03	4.69E-03	4.82E-03	1.61E-06	4.88E-06	2.82E-06	2.82E-06	2.57E-06	1.17E-06	1.21E-06	0.00E+00	0.00E+00	5.19E-07	9.58E-08	6.12E-07	9.43E-08	9.33E-08	1.41E-06
1391	493727.33	3860602.55	4.59E-03	4.61E-03	4.73E-03	1.59E-06	4.79E-06	2.77E-06	2.77E-06	2.53E-06	1.15E-06	1.18E-06	0.00E+00	0.00E+00	5.10E-07	9.42E-08	6.01E-07	9.27E-08	9.17E-08	1.39E-06
1392	493777.33	3860602.55	4.55E-03	4.57E-03	4.69E-03	1.57E-06	4.75E-06	2.75E-06	2.75E-06	2.51E-06	1.14E-06	1.17E-06	0.00E+00	0.00E+00	5.06E-07	9.34E-08	5.96E-07	9.19E-08	9.09E-08	1.38E-06
1393	493827.33	3860602.55	4.51E-03	4.54E-03	4.65E-03	1.56E-06	4.71E-06	2.73E-06	2.73E-06	2.49E-06	1.14E-06	1.16E-06	0.00E+00	0.00E+00	5.02E-07	9.26E-08	5.91E-07	9.12E-08	9.01E-08	1.37E-06
1394	493877.33	3860602.55	4.47E-03	4.50E-03	4.61E-03	1.55E-06	4.67E-06	2.70E-06	2.70E-06	2.47E-06	1.13E-06	1.15E-06	0.00E+00	0.00E+00	4.97E-07	9.18E-08	5.86E-07	9.04E-08	8.93E-08	1.36E-06
1395	493927.33	3860602.55	4.43E-03	4.46E-03	4.57E-03	1.53E-06	4.63E-06	2.68E-06	2.68E-06	2.45E-06	1.12E-06	1.14E-06	0.00E+00	0.00E+00	4.93E-07	9.10E-08	5.81E-07	8.96E-08	8.85E-08	1.34E-06
1396	493977.33	3860602.55	4.39E-03	4.42E-03	4.52E-03	1.52E-06	4.59E-06	2.66E-06	2.66E-06	2.42E-06	1.11E-06	1.13E-06	0.00E+00	0.00E+00	4.89E-07	9.02E-08	5.76E-07	8.88E-08	8.77E-08	1.33E-06
1397	494027.33	3860602.55	4.36E-03	4.39E-03	4.49E-03	1.51E-06	4.55E-06	2.64E-06	2.64E-06	2.41E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.85E-07	8.95E-08	5.72E-07	8.82E-08	8.70E-08	1.32E-06
1398	493627.33	3860652.55	4.58E-03	4.61E-03	4.73E-03	1.58E-06	4.78E-06	2.77E-06	2.77E-06	2.53E-06	1.15E-06	1.18E-06	0.00E+00	0.00E+00	5.10E-07	9.40E-08	6.00E-07	9.26E-08	9.16E-08	1.39E-06
1399	493727.33	3860652.55	4.50E-03	4.53E-03	4.64E-03	1.56E-06	4.70E-06	2.72E-06	2.72E-06	2.48E-06	1.13E-06	1.16E-06	0.00E+00	0.00E+00	5.01E-07	9.24E-08	5.90E-07	9.10E-08	9.00E-08	1.36E-06
1400	493777.33	3860652.55	4.46E-03	4.49E-03	4.60E-03	1.54E-06	4.66E-06	2.70E-06	2.70E-06	2.46E-06	1.12E-06	1.15E-06	0.00E+00	0.00E+00	4.97E-07	9.16E-08	5.85E-07	9.02E-08	8.92E-08	1.35E-06
1401	493827.33	3860652.55	4.42E-03	4.45E-03	4.56E-03	1.53E-06	4.62E-06	2.68E-06	2.68E-06	2.44E-06	1.11E-06	1.14E-06	0.00E+00	0.00E+00	4.93E-07	9.09E-08	5.80E-07	8.95E-08	8.84E-08	1.34E-06
1402	493877.33	3860652.55	4.39E-03	4.42E-03	4.52E-03	1.52E-06	4.59E-06	2.66E-06	2.66E-06	2.42E-06	1.11E-06	1.13E-06	0.00E+00	0.00E+00	4.88E-07	9.01E-08	5.76E-07	8.88E-08	8.77E-08	1.33E-06
1403	493927.33	3860652.55	4.35E-03	4.38E-03	4.49E-03	1.51E-06	4.55E-06	2.63E-06	2.63E-06	2.40E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.84E-07	8.94E-08	5.71E-07	8.80E-08	8.69E-08	1.32E-06
1404	493977.33	3860652.55	4.32E-03	4.35E-03	4.45E-03	1.49E-06	4.51E-06	2.61E-06	2.61E-06	2.38E-06	1.09E-06	1.11E-06	0.00E+00	0.00E+00	4.80E-07	8.86E-08	5.66E-07	8.73E-08	8.62E-08	1.31E-06
1405	494027.33	3860652.55	4.28E-03	4.31E-03	4.41E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.36E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.77E-07	8.79E-08	5.62E-07	8.66E-08	8.55E-08	1.30E-06
1406	494311.06	3858401.99	2.72E-03	2.76E-03	2.71E-03	9.41E-07	2.84E-06	1.65E-06	1.65E-06	1.51E-06	6.90E-07	6.78E-07	0.00E+00	0.00E+00	3.03E-07	5.59E-08	3.60E-07	5.54E-08	5.25E-08	8.26E-07
1407	494361.06	3858401.99	2.68E-03	2.71E-03	2.67E-03	9.26E-07	2.80E-06	1.62E-06	1.62E-06	1.49E-06	6.79E-07	6.68E-07	0.00E+00	0.00E+00	2.98E-07	5.50E-08	3.54E-07	5.46E-08	5.17E-08	8.13E-07
1408	494411.06	3858401.99	2.65E-03	2.68E-03	2.64E-03	9.16E-07	2.76E-06	1.60E-06	1.60E-06	1.47E-06	6.72E-07	6.60E-07	0.00E+00	0.00E+00	2.94E-07	5.43E-08	3.50E-07	5.39E-08	5.11E-08	8.03E-07
1409	494461.06	3858401.99	2.63E-03	2.67E-03	2.62E-03	9.10E-07	2.75E-06	1.59E-06	1.59E-06	1.46E-06	6.67E-07	6.55E-07	0.00E+00	0.00E+00	2.93E-07	5.40E-08	3.47E-07	5.36E-08	5.07E-08	7.98E-07
1410	494511.06	3858401.99	2.60E-03	2.63E-03	2.59E-03	8.98E-07	2.71E-06	1.57E-06	1.57E-06	1.44E-06	6.59E-07	6.47E-07	0.00E+00	0.00E+00	2.89E-07	5.33E-08	3.43E-07	5.29E-08	5.01E-08	7.88E-07
1411	494561.06	3858401.99	2.58E-03	2.61E-03	2.57E-03	8.92E-07	2.69E-06	1.56E-06	1.56E-06	1.43E-06	6.54E-07	6.43E-07	0.00E+00	0.00E+00	2.87E-07	5.29E-08	3.41E-07	5.25E-08	4.98E-08	7.83E-07
1412	494611.06	3858401.99	2.54E-03	2.58E-03	2.54E-03	8.81E-07	2.66E-06	1.54E-06	1.54E-06	1.42E-06	6.46E-07	6.34E-07	0.00E+00	0.00E+00	2.83E-07	5.23E-08	3.36E-07	5.19E-08	4.91E-08	7.73E-07
1413	494661.06	3858401.99	2.52E-03	2.55E-03	2.51E-03	8.71E-07	2.63E-06	1.52E-06	1.52E-06	1.40E-06	6.39E-07	6.27E-07	0.00E+00	0.00E+00	2.80E-07	5.17E-08	3.33E-07	5.13E-08	4.86E-08	7.64E-07
1414	494711.06	3858401.99	2.48E-03	2.51E-03	2.47E-03	8.57E-07	2.59E-06	1.50E-06	1.50E-06	1.38E-06	6.28E-07	6.17E-07	0.00E+00	0.00E+00	2.76E-07	5.08E-08	3.27E-07	5.05E-08	4.78E-08	7.52E-07
1415	494761.06	3858401.99	2.45E-03	2.49E-03	2.44E-03	8.49E-07	2.56E-06	1.48E-06	1.48E-06	1.36E-06	6.23E-07	6.12E-07	0.00E+00	0.00E+00	2.73E-07	5.04E-08	3.24E-07	5.00E-08	4.74E-08	7.45E-07
1416	494811.06	3858401.99	2.42E-03	2.46E-03	2.41E-03	8.38E-07	2.53E-06	1.46E-06	1.46E-06	1.35E-06	6.15E-07	6.04E-07	0.00E+00	0.00E+00	2.69E-07	4.97E-08	3.20E-07	4.94E-08	4.67E-08	7.35E-07
1417	494861.06	3858401.99	2.39E-03	2.43E-03	2.38E-03	8.28E-07	2.50E-06	1.45E-06	1.45E-06	1.33E-06	6.07E-07	5.97E-07	0.00E+00	0.00E+00	2.66E-07	4.91E-08	3.16E-07	4.88E-08	4.62E-08	7.27E-07
1418	494911.06	3858401.99	2.37E-03	2.40E-03	2.36E-03	8.19E-07	2.47E-06	1.43E-06	1.43E-06	1.32E-06	6.01E-07	5.90E-07	0.00E+00	0.00E+00	2.63E-07	4.86E-08	3.13E-07	4.82E-08	4.57E-08	7.19E-07
1419	494961.06	3858401.99	2.34E-03	2.37E-03	2.33E-03	8.09E-07	2.44E-06	1.41E-06	1.41E-06	1.30E-06	5.93E-07	5.83E-07	0.00E+00	0.00E+00	2.60E-07	4.80E-08	3.09E-07	4.76E-08	4.51E-08	7.10E-07
1420	495011.06	3858401.99	2.30E-03	2.33E-03	2.29E-03	7.97E-07	2.41E-06	1.39E-06	1.39E-06	1.28E-06	5.84E-07	5.74E-07	0.00E+00	0.00E+00	2.56E-07	4.73E-08	3.04E-07	4.69E-08	4.44E-08	6.99E-07
1421	495061.06	3858401.99	2.27E-03	2.31E-03	2.26E-03	7.87E-07	2.38E-06	1.38E-06	1.38E-06	1.26E-06	5.77E-07	5.67E-07	0.00E+00	0.00E+00	2.53E-07	4.67E-08	3.00E-07	4.63E-08	4.39E-08	6.90E-07
1422	495111.06	3858401.99	2.22E-03	2.26E-03	2.22E-03	7.70E-07	2.32E-06	1.35E-06	1.35E-06	1.24E-06	5.65E-07	5.55E-07	0.00E+00	0.00E+00	2.48E-07	4.57E-08	2.94E-07	4.53E-08	4.30E-08	6.75E-07
1423	495161.06	3858401.99	2.21E-03	2.24E-03	2.20E-03	7.66E-07	2.31E-06	1.34E-06	1.34E-06	1.23E-06	5.61E-07	5.52E-07	0.00E+00	0.00E+00	2.46E-07	4.54E-08	2.92E-07	4.51E-08	4.27E-08	6.72E-07
1424	495211.06	3858401.99	2.17E-03	2.20E-03	2.16E-03	7.51E-07	2.27E-06	1.31E-06	1.31E-06	1.21E-06	5.51E-07	5.41E-07	0.00E+00	0.00E+00	2.41E-07	4.45E-08	2.87E-07	4.42E-08	4.19E-08	6.59E-07
1425	495261.06	3858401.99	2.14E-03	2.17E-03	2.14E-03	7.42E-07	2.24E-06	1.30E-06	1.30E-06	1.19E-06	5.44E-07	5.35E-07	0.00E+00	0.00E+00	2.39E-07	4.40E-08	2.83E-07	4.37E-08	4.14E-08	6.51E-07
1426	495311.06	3858401.99	2.12E-03	2.15E-03	2.11E-03	7.33E-07	2.21E-06	1.28E-06	1.28E-06	1.18E-06	5.37E-07	5.28E-07	0.00E+00	0.00E+00	2.36E-07	4.35E-08	2.80E-07	4.32E-08	4.09E-08	6.43E-07
1427	495361.06	3858401.99	2.10E-03	2.13E-03	2.09E-03	7.26E-07	2.19E-06	1.27E-06	1.27E-06	1.17E-06	5.33E-07	5.23E-07	0.00E+00	0.00E+00	2.34E-07	4.31E-08	2.77E-07	4.28E-08	4.05E-08	6.37E-07
1428	495411.06	3858401.99	2.09E-03	2.12E-03	2.08E-03	7.22E-07	2.18E-06	1.26E-06	1.26E-06	1.16E-06	5.30E-07	5.20E-07	0.00E+00	0.00E+00	2.32E-07	4.28E-08	2.76E-07	4.25E-08	4.03E-08	6.34E-07
1429	495461.06	3858401.99	2.08E-03	2.11E-03	2.07E-03	7.19E-07	2.17E-06	1.26E-06	1.26E-06	1.16E-06	5.27E-07	5.18E-07	0.00E+00	0.00E+00	2.31E-07	4.26E-08	2.74E-07	4.23E-08	4.01E-08	6.31E-07
1430	495511.06	3858401.99	2.06E-03	2.09E-03	2.06E-03	7.15E-07	2.16E-06	1.25E-06	1.25E-06	1.15E-06	5.24E-07	5.15E-07	0.00E+00	0.00E+00	2.30E-07	4.24E-08	2.73E-07	4.21E-08	3.99E-08	6.27E-07
1431	495561.06	3858401.99	2.04E-03	2.07E-03	2.04E-03	7.08E-07	2.14E-06	1.24E-06	1.24E-06	1.14E-06	5.19E-07	5.10E-07	0.00E+00	0.00E+00	2.28E-07	4.20E-08	2.70E-07	4.17E-08	3.95E-08	6.21E-07
1432	495611.06	3858401.99	2.03E-03	2.06E-03	2.03E-03	7.04E-07	2.13E-06	1.23E-06	1.23E-06	1.13E-06	5.16E-07	5.07E-07	0.00E+00	0.00E+00	2.26E-07	4.18E-08	2.69E-07	4.15E-08	3.93E-08	6.18E-07
1433	495661.06	3858401.99	2.03E-03	2.06E-03	2.03E-03	7.04E-07	2.13E-06	1.23E-06	1.23E-06	1.13E-06	5.16E-07	5.07E-07	0.00E+00	0.00E+00	2.26E-07	4.18E-08	2.69E-07	4.15E-08	3.93E-08	6.18E-07
1434	494311.06	3858451.99	2.80E-03	2.84E-03	2.79E-03	9.69E-07	2.92E-06	1.69E-06	1.69E-06	1.56E-06	7.10E-07	6.98E-07	0.00E+00	0.00E+00	3.11E-07	5.75E-08	3.70E-07	5.70E-08	5.41E-08	8.50E-07
1435	494361.06	3858451.99	2.76E-03	2.80E-03	2.75E-03	9.55E-07	2.88E-06	1.67E-06	1.67E-06	1.53E-06	7.00E-07	6.89E-07	0.00E+00	0.00E+00	3.07E-07	5.67E-08	3.65E-07	5.62E-08	5.33E-08	8.38E-07
1436	494411.06	3858451.99	2.73E-03	2.77E-03	2.72E-03	9.44E-07	2.85E-06	1.65E-06	1.65E-06	1.52E-06	6.92E-07	6.81E-07	0.00E+00	0.00E+00	3.04E-07	5.60E-08	3.60E-07	5.56E-08	5.27E-08	8.28E-07
1437	494461.06	3858451.99	2.70E-03	2.74E-03	2.69E-03	9.34E-07	2.82E-06	1.63E-06	1.63E-06	1.50E-06	6.85E-07	6.73E-07	0.00E+00	0.00E+00	3.00E-07	5.54E-08	3.57E-07	5.50E-08	5.21E-08	8.19E-07
1438	494511.06	3858451.99	2.68E-03	2.72E-03	2.67E-03	9.27E-07	2.80E-06	1.62E-06	1.62E-06	1.49E-06	6.80E-07	6.68E-07	0.00E+00	0.00E+00	2.98E-07	5.50E-08	3.54E-07	5.46E-08	5.18E-08	8.14E-07
1439	494561.06	3858451.99	2.64E-03	2.68E-03	2.64E-03	9.15E-07	2.76E-06	1.60E-06	1.60E-06	1.47E-06	6.71E-07	6.59E-07	0.00E+00	0.00E+00	2.94E-07	5.43E-08	3.49E-07	5.39E-08	5.11E-08	8.03E-07
1440	494611.06	3858451.99	2.61E-03	2.65E-03	2.61E-03	9.05E-07	2.73E-06	1.58E-06	1.58E-06	1.45E-06	6.64E-07	6.52E-07	0.00E+00	0.00E+00	2.91E-07	5.37E-08	3.46E-07	5.33E-08	5.05E-08	7.94E-07
1441	494661.06	3858451.99	2.59E-03	2.62E-03	2.58E-03	8.95E-07	2.70E-06	1.56E-06	1.56E-06	1.44E-06	6.56E-07	6.45E-07	0.00E+00	0.00E+00	2.88E-07	5.31E-08	3.42E-07	5.27E-08	5.00E-08	7.85E-07
1442	494711.06	3858451.99	2.55E-03	2.59E-03	2.54E-03	8.83E-07	2.66E-06	1.54E-06	1.54E-06	1.42E-06	6.47E-07	6.36E-07	0.00E+00	0.00E+00	2.84E-07	5.24E-08	3.37E-07	5.20E-08	4.93E-08	7.74E-07
1443	494761.06	3858451.99	2.51E-03	2.55E-03	2.51E-03	8.70E-07	2.63E-06	1.52E-06	1.52E-06	1.40E-06	6.38E-07	6.27E-07	0.00E+00	0.00E+00	2.80E-07	5.16E-08	3.32E-07	5.12E-08	4.86E-08	7.63E-07
1444	494811.06	3858451.99	2.48E-03	2.52E-03	2.48E-03	8.60E-07	2.60E-06	1.50E-06	1.50E-06	1.38E-06	6.30E-07	6.20E-07	0.00E+00	0.00E+00	2.76E-07	5.10E-08	3.28E-07	5.06E-08	4.80E-08	7.54E-07
1445	494861.06	3858451.99	2.45E-03	2.49E-03	2.44E-03	8.48E-07	2.56E-06	1.48E-06	1.48E-06	1.36E-06	6.22E-07	6.12E-07	0.00E+00	0.00E+00	2.73E-07	5.03E-08	3.24E-07	4.99E-08	4.74E-08	7.44E-07
1446	494911.06	3858451.99	2.41E-03	2.44E-03	2.40E-03	8.34E-07	2.52E-06	1.46E-06	1.46E-06	1.34E-06	6.12E-07	6.01E-07	0.00E+00	0.00E+00	2.68E-07	4.95E-08	3.19E-07	4.91E-08	4.66E-08	7.32E-07
1447	494961.06	3858451.99	2.38E-03	2.41E-03	2.37E-03	8.23E-07	2.48E-06	1.44E-06	1.44E-06	1.32E-06	6.03E-07	5.93E-07	0.00E+00	0.00E+00	2.65E-07	4.88E-08	3.14E-07	4.85E-08	4.59E-08	7.22E-07
1448	495011.06	3858451.99	2.34E-03	2.37E-03	2.33E-03	8.10E-07	2.45E-06	1.42E-06	1.42E-06	1.30E-06	5.94E-07	5.84E-07	0.00E+00	0.00E+00	2.60E-07	4.81E-08	3.09E-07	4.77E-08	4.52E-08	7.11E-07
1449	495061.06	3858451.99	2.32E-03	2.35E-03	2.31E-03	8.03E-07	2.42E-06	1.40E-06	1.40E-06	1.29E-06	5.89E-07	5.79E-07	0.00E+00	0.00E+00	2.58E-07	4.76E-08	3.07E-07	4.73E-08	4.48E-08	7.05E-07
1450	495111.06	3858451.99	2.28E-03	2.32E-03	2.28E-03	7.90E-07	2.39E-06	1.38E-06	1.38E-06	1.27E-06	5.80E-07	5.70E-07	0.00E+00	0.00E+00	2.54E-07	4.69E-08	3.02E-07	4.65E-08	4.41E-08	6.93E-07
1451	495161.06	3858451.99	2.24E-03	2.27E-03	2.24E-03	7.76E-07	2.34E-06	1.36E-06	1.36E-06	1.25E-06	5.69E-07	5.60E-07	0.00E+00	0.00E+00	2.50E-07	4.61E-08	2.96E-07	4.57E-08	4.33E-08	6.81E-07
1452	495211.06	3858451.99	2.21E-03	2.24E-03	2.20E-03	7.64E-07	2.31E-06	1.33E-06	1.33E-06	1.23E-06	5.60E-07	5.51E-07	0.00E+00	0.00E+00	2.46E-07	4.53E-08	2.92E-07	4.50E-08	4.26E-08	6.70E-07
1453	495261.06	3858451.99	2.18E-03	2.21E-03	2.17E-03	7.55E-07	2.28E-06	1.32E-06	1.32E-06	1.21E-06	5.53E-07	5.44E-07	0.00E+00	0.00E+00	2.43E-07	4.48E-08	2.88E-07	4.44E-08	4.21E-08	6.62E-07
1454	495311.06	3858451.99	2.16E-03	2.19E-03	2.15E-03	7.47E-07	2.26E-06	1.31E-06	1.31E-06	1.20E-06	5.48E-07	5.39E-07	0.00E+00	0.00E+00	2.40E-07	4.43E-08	2.85E-07	4.40E-08	4.17E-08	6.56E-07
1455	495361.06	3858451.99	2.14E-03	2.17E-03	2.13E-03	7.41E-07	2.24E-06	1.30E-06	1.30E-06	1.19E-06	5.43E-07	5.34E-07	0.00E+00	0.00E+00	2.38E-07	4.40E-08	2.83E-07	4.36E-08	4.14E-08	6.50E-07
1456	495411.06	3858451.99	2.13E-03	2.16E-03	2.12E-03	7.37E-07	2.23E-06	1.29E-06	1.29E-06	1.18E-06	5.41E-07	5.31E-07	0.00E+00	0.00E+00	2.37E-07	4.37E-08	2.81E-07	4.34E-08	4.12E-08	6.47E-07
1457	495461.06	3858451.99	2.12E-03	2.15E-03	2.11E-03	7.34E-07	2.22E-06	1.28E-06	1.28E-06	1.18E-06	5.38E-07	5.29E-07	0.00E+00	0.00E+00	2.36E-07	4.35E-08	2.80E-07	4.32E-08	4.10E-08	6.44E-07
1458	495511.06	3858451.99	2.10E-03	2.13E-03	2.09E-03	7.27E-07	2.19E-06	1.27E-06	1.27E-06	1.17E-06	5.33E-07	5.24E-07	0.00E+00	0.00E+00	2.34E-07	4.31E-08	2.78E-07	4.28E-08	4.06E-08	6.38E-07
1459	495561.06	3858451.99	2.10E-03	2.13E-03	2.09E-03	7.26E-07	2.19E-06	1.27E-06	1.27E-06	1.17E-06	5.32E-07	5.23E-07	0.00E+00	0.00E+00	2.33E-07	4.31E-08	2.77E-07	4.27E-08	4.05E-08	6.37E-07
1460	495611.06	3858451.99	2.07E-03	2.10E-03	2.07E-03	7.17E-07	2.17E-06	1.25E-06	1.25E-06	1.15E-06	5.26E-07	5.17E-07	0.00E+00	0.00E+00	2.31E-07	4.26E-08	2.74E-07	4.22E-08	4.00E-08	6.29E-07
1461	495661.06	3858451.99	2.07E-03	2.10E-03	2.06E-03	7.15E-07	2.16E-06	1.25E-06	1.25E-06	1.15E-06	5.24E-07	5.15E-07	0.00E+00	0.00E+00	2.30E-07	4.24E-08	2.73E-07	4.21E-08	3.99E-08	6.28E-07
1462	494311.06	3858501.99	2.84E-03	2.88E-03	2.83E-03	9.83E-07	2.97E-06	1.72E-06	1.72E-06	1.58E-06	7.20E-07	7.09E-07	0.00E+00	0.00E+00	3.16E-07	5.83E-08	3.75E-07	5.78E-08	5.49E-08	8.62E-07
1463	494361.06	3858501.99	2.81E-03	2.85E-03	2.81E-03	9.73E-07	2.94E-06	1.70E-06	1.70E-06	1.56E-06	7.13E-07	7.02E-07	0.00E+00	0.00E+00	3.13E-07	5.77E-08	3.71E-07	5.73E-08	5.44E-08	8.54E-07

1464	494411.06	3858501.99	2.78E-03	2.82E-03	2.78E-03	9.62E-07	2.91E-06	1.68E-06	1.68E-06	1.55E-06	7.05E-07	6.95E-07	0.00E+00	0.00E+00	3.09E-07	5.71E-08	3.67E-07	5.67E-08	5.38E-08	8.44E-07
1465	494461.06	3858501.99	2.76E-03	2.80E-03	2.75E-03	9.55E-07	2.88E-06	1.67E-06	1.67E-06	1.53E-06	7.00E-07	6.89E-07	0.00E+00	0.00E+00	3.07E-07	5.66E-08	3.64E-07	5.62E-08	5.34E-08	8.38E-07
1466	494511.06	3858501.99	2.72E-03	2.76E-03	2.71E-03	9.41E-07	2.84E-06	1.64E-06	1.64E-06	1.51E-06	6.90E-07	6.79E-07	0.00E+00	0.00E+00	3.03E-07	5.58E-08	3.59E-07	5.54E-08	5.26E-08	8.26E-07
1467	494561.06	3858501.99	2.72E-03	2.75E-03	2.71E-03	9.40E-07	2.84E-06	1.64E-06	1.64E-06	1.51E-06	6.89E-07	6.78E-07	0.00E+00	0.00E+00	3.02E-07	5.58E-08	3.59E-07	5.53E-08	5.25E-08	8.25E-07
1468	494611.06	3858501.99	2.68E-03	2.72E-03	2.67E-03	9.28E-07	2.80E-06	1.62E-06	1.62E-06	1.49E-06	6.80E-07	6.69E-07	0.00E+00	0.00E+00	2.98E-07	5.51E-08	3.54E-07	5.46E-08	5.18E-08	8.14E-07
1469	494661.06	3858501.99	2.66E-03	2.69E-03	2.65E-03	9.20E-07	2.78E-06	1.61E-06	1.61E-06	1.48E-06	6.74E-07	6.63E-07	0.00E+00	0.00E+00	2.96E-07	5.46E-08	3.51E-07	5.41E-08	5.14E-08	8.07E-07
1470	494711.06	3858501.99	2.62E-03	2.66E-03	2.61E-03	9.06E-07	2.74E-06	1.58E-06	1.58E-06	1.46E-06	6.65E-07	6.54E-07	0.00E+00	0.00E+00	2.91E-07	5.38E-08	3.46E-07	5.34E-08	5.06E-08	7.95E-07
1471	494761.06	3858501.99	2.58E-03	2.61E-03	2.57E-03	8.92E-07	2.69E-06	1.56E-06	1.56E-06	1.43E-06	6.54E-07	6.43E-07	0.00E+00	0.00E+00	2.87E-07	5.29E-08	3.40E-07	5.25E-08	4.98E-08	7.82E-07
1472	494811.06	3858501.99	2.54E-03	2.57E-03	2.53E-03	8.78E-07	2.65E-06	1.53E-06	1.53E-06	1.41E-06	6.44E-07	6.33E-07	0.00E+00	0.00E+00	2.82E-07	5.21E-08	3.35E-07	5.17E-08	4.90E-08	7.70E-07
1473	494861.06	3858501.99	2.51E-03	2.54E-03	2.50E-03	8.68E-07	2.62E-06	1.52E-06	1.52E-06	1.40E-06	6.37E-07	6.26E-07	0.00E+00	0.00E+00	2.79E-07	5.15E-08	3.32E-07	5.11E-08	4.85E-08	7.62E-07
1474	494911.06	3858501.99	2.46E-03	2.49E-03	2.45E-03	8.51E-07	2.57E-06	1.49E-06	1.49E-06	1.37E-06	6.24E-07	6.14E-07	0.00E+00	0.00E+00	2.74E-07	5.05E-08	3.25E-07	5.01E-08	4.75E-08	7.47E-07
1475	494961.06	3858501.99	2.43E-03	2.46E-03	2.42E-03	8.41E-07	2.54E-06	1.47E-06	1.47E-06	1.35E-06	6.17E-07	6.07E-07	0.00E+00	0.00E+00	2.70E-07	4.99E-08	3.21E-07	4.95E-08	4.70E-08	7.38E-07
1476	495011.06	3858501.99	2.39E-03	2.42E-03	2.38E-03	8.26E-07	2.49E-06	1.44E-06	1.44E-06	1.33E-06	6.05E-07	5.96E-07	0.00E+00	0.00E+00	2.66E-07	4.90E-08	3.15E-07	4.86E-08	4.61E-08	7.25E-07
1477	495061.06	3858501.99	2.36E-03	2.40E-03	2.36E-03	8.19E-07	2.47E-06	1.43E-06	1.43E-06	1.32E-06	6.00E-07	5.91E-07	0.00E+00	0.00E+00	2.63E-07	4.86E-08	3.13E-07	4.82E-08	4.57E-08	7.18E-07
1478	495111.06	3858501.99	2.31E-03	2.35E-03	2.31E-03	8.01E-07	2.42E-06	1.40E-06	1.40E-06	1.29E-06	5.87E-07	5.78E-07	0.00E+00	0.00E+00	2.57E-07	4.75E-08	3.06E-07	4.71E-08	4.47E-08	7.02E-07
1479	495161.06	3858501.99	2.28E-03	2.31E-03	2.27E-03	7.89E-07	2.38E-06	1.38E-06	1.38E-06	1.27E-06	5.78E-07	5.69E-07	0.00E+00	0.00E+00	2.54E-07	4.68E-08	3.01E-07	4.64E-08	4.41E-08	6.92E-07
1480	495211.06	3858501.99	2.24E-03	2.28E-03	2.24E-03	7.77E-07	2.35E-06	1.36E-06	1.36E-06	1.25E-06	5.70E-07	5.61E-07	0.00E+00	0.00E+00	2.50E-07	4.61E-08	2.97E-07	4.57E-08	4.34E-08	6.82E-07
1481	495261.06	3858501.99	2.22E-03	2.25E-03	2.21E-03	7.68E-07	2.32E-06	1.34E-06	1.34E-06	1.23E-06	5.63E-07	5.54E-07	0.00E+00	0.00E+00	2.47E-07	4.56E-08	2.93E-07	4.52E-08	4.29E-08	6.74E-07
1482	495311.06	3858501.99	2.20E-03	2.23E-03	2.20E-03	7.63E-07	2.30E-06	1.33E-06	1.33E-06	1.23E-06	5.59E-07	5.50E-07	0.00E+00	0.00E+00	2.45E-07	4.52E-08	2.91E-07	4.49E-08	4.26E-08	6.69E-07
1483	495361.06	3858501.99	2.19E-03	2.22E-03	2.18E-03	7.57E-07	2.29E-06	1.32E-06	1.32E-06	1.22E-06	5.55E-07	5.46E-07	0.00E+00	0.00E+00	2.43E-07	4.49E-08	2.89E-07	4.46E-08	4.23E-08	6.64E-07
1484	495411.06	3858501.99	2.17E-03	2.20E-03	2.17E-03	7.53E-07	2.27E-06	1.32E-06	1.32E-06	1.21E-06	5.52E-07	5.43E-07	0.00E+00	0.00E+00	2.42E-07	4.47E-08	2.87E-07	4.43E-08	4.20E-08	6.60E-07
1485	495461.06	3858501.99	2.16E-03	2.19E-03	2.16E-03	7.49E-07	2.26E-06	1.31E-06	1.31E-06	1.20E-06	5.49E-07	5.40E-07	0.00E+00	0.00E+00	2.41E-07	4.44E-08	2.86E-07	4.41E-08	4.18E-08	6.57E-07
1486	495511.06	3858501.99	2.15E-03	2.18E-03	2.14E-03	7.43E-07	2.24E-06	1.30E-06	1.30E-06	1.19E-06	5.45E-07	5.36E-07	0.00E+00	0.00E+00	2.39E-07	4.41E-08	2.84E-07	4.38E-08	4.15E-08	6.52E-07
1487	495561.06	3858501.99	2.14E-03	2.17E-03	2.14E-03	7.42E-07	2.24E-06	1.30E-06	1.30E-06	1.19E-06	5.44E-07	5.35E-07	0.00E+00	0.00E+00	2.39E-07	4.40E-08	2.83E-07	4.37E-08	4.14E-08	6.51E-07
1488	495611.06	3858501.99	2.13E-03	2.16E-03	2.12E-03	7.36E-07	2.22E-06	1.29E-06	1.29E-06	1.18E-06	5.40E-07	5.30E-07	0.00E+00	0.00E+00	2.37E-07	4.37E-08	2.81E-07	4.33E-08	4.11E-08	6.46E-07
1489	495661.06	3858501.99	2.11E-03	2.14E-03	2.11E-03	7.32E-07	2.21E-06	1.28E-06	1.28E-06	1.18E-06	5.37E-07	5.28E-07	0.00E+00	0.00E+00	2.35E-07	4.34E-08	2.80E-07	4.31E-08	4.09E-08	6.42E-07
1490	494311.06	3858551.99	2.84E-03	2.88E-03	2.84E-03	9.83E-07	2.97E-06	1.72E-06	1.72E-06	1.58E-06	7.21E-07	7.10E-07	0.00E+00	0.00E+00	3.16E-07	5.83E-08	3.75E-07	5.79E-08	5.50E-08	8.63E-07
1491	494361.06	3858551.99	2.85E-03	2.89E-03	2.85E-03	9.86E-07	2.98E-06	1.72E-06	1.72E-06	1.58E-06	7.23E-07	7.12E-07	0.00E+00	0.00E+00	3.17E-07	5.85E-08	3.76E-07	5.80E-08	5.52E-08	8.65E-07
1492	494411.06	3858551.99	2.85E-03	2.89E-03	2.85E-03	9.87E-07	2.98E-06	1.72E-06	1.72E-06	1.58E-06	7.23E-07	7.13E-07	0.00E+00	0.00E+00	3.17E-07	5.85E-08	3.77E-07	5.81E-08	5.52E-08	8.66E-07
1493	494461.06	3858551.99	2.84E-03	2.88E-03	2.83E-03	9.82E-07	2.96E-06	1.72E-06	1.72E-06	1.58E-06	7.20E-07	7.09E-07	0.00E+00	0.00E+00	3.16E-07	5.83E-08	3.75E-07	5.78E-08	5.49E-08	8.62E-07
1494	494511.06	3858551.99	2.81E-03	2.85E-03	2.81E-03	9.73E-07	2.94E-06	1.70E-06	1.70E-06	1.56E-06	7.13E-07	7.03E-07	0.00E+00	0.00E+00	3.13E-07	5.77E-08	3.71E-07	5.73E-08	5.44E-08	8.54E-07
1495	494561.06	3858551.99	2.79E-03	2.83E-03	2.79E-03	9.66E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.08E-07	6.97E-07	0.00E+00	0.00E+00	3.10E-07	5.73E-08	3.69E-07	5.68E-08	5.40E-08	8.47E-07
1496	494611.06	3858551.99	2.76E-03	2.80E-03	2.76E-03	9.55E-07	2.88E-06	1.67E-06	1.67E-06	1.53E-06	7.00E-07	6.90E-07	0.00E+00	0.00E+00	3.07E-07	5.67E-08	3.65E-07	5.62E-08	5.34E-08	8.38E-07
1497	494661.06	3858551.99	2.73E-03	2.77E-03	2.73E-03	9.46E-07	2.86E-06	1.65E-06	1.65E-06	1.52E-06	6.93E-07	6.83E-07	0.00E+00	0.00E+00	3.04E-07	5.61E-08	3.61E-07	5.57E-08	5.29E-08	8.30E-07
1498	494711.06	3858551.99	2.69E-03	2.73E-03	2.68E-03	9.31E-07	2.81E-06	1.63E-06	1.63E-06	1.50E-06	6.82E-07	6.72E-07	0.00E+00	0.00E+00	2.99E-07	5.52E-08	3.55E-07	5.48E-08	5.20E-08	8.17E-07
1499	494761.06	3858551.99	2.65E-03	2.68E-03	2.64E-03	9.16E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.71E-07	6.61E-07	0.00E+00	0.00E+00	2.95E-07	5.43E-08	3.50E-07	5.39E-08	5.12E-08	8.04E-07
1500	494811.06	3858551.99	2.61E-03	2.65E-03	2.61E-03	9.04E-07	2.73E-06	1.58E-06	1.58E-06	1.45E-06	6.63E-07	6.52E-07	0.00E+00	0.00E+00	2.91E-07	5.36E-08	3.45E-07	5.32E-08	5.05E-08	7.93E-07
1501	494861.06	3858551.99	2.57E-03	2.60E-03	2.56E-03	8.89E-07	2.68E-06	1.55E-06	1.55E-06	1.43E-06	6.52E-07	6.42E-07	0.00E+00	0.00E+00	2.86E-07	5.28E-08	3.39E-07	5.23E-08	4.97E-08	7.80E-07
1502	494911.06	3858551.99	2.52E-03	2.56E-03	2.52E-03	8.73E-07	2.64E-06	1.53E-06	1.53E-06	1.40E-06	6.40E-07	6.30E-07	0.00E+00	0.00E+00	2.81E-07	5.18E-08	3.33E-07	5.14E-08	4.88E-08	7.66E-07
1503	494961.06	3858551.99	2.48E-03	2.52E-03	2.48E-03	8.60E-07	2.60E-06	1.50E-06	1.50E-06	1.38E-06	6.30E-07	6.21E-07	0.00E+00	0.00E+00	2.76E-07	5.10E-08	3.28E-07	5.06E-08	4.81E-08	7.54E-07
1504	495011.06	3858551.99	2.44E-03	2.47E-03	2.43E-03	8.44E-07	2.55E-06	1.48E-06	1.48E-06	1.36E-06	6.19E-07	6.09E-07	0.00E+00	0.00E+00	2.71E-07	5.01E-08	3.22E-07	4.97E-08	4.72E-08	7.40E-07
1505	495061.06	3858551.99	2.41E-03	2.44E-03	2.40E-03	8.33E-07	2.52E-06	1.46E-06	1.46E-06	1.34E-06	6.11E-07	6.02E-07	0.00E+00	0.00E+00	2.68E-07	4.94E-08	3.18E-07	4.91E-08	4.66E-08	7.31E-07
1506	495111.06	3858551.99	2.35E-03	2.39E-03	2.35E-03	8.15E-07	2.46E-06	1.42E-06	1.42E-06	1.31E-06	5.97E-07	5.88E-07	0.00E+00	0.00E+00	2.62E-07	4.83E-08	3.11E-07	4.80E-08	4.55E-08	7.15E-07
1507	495161.06	3858551.99	2.32E-03	2.35E-03	2.31E-03	8.02E-07	2.42E-06	1.40E-06	1.40E-06	1.29E-06	5.88E-07	5.79E-07	0.00E+00	0.00E+00	2.58E-07	4.76E-08	3.06E-07	4.72E-08	4.49E-08	7.04E-07
1508	495211.06	3858551.99	2.29E-03	2.32E-03	2.28E-03	7.91E-07	2.39E-06	1.38E-06	1.38E-06	1.27E-06	5.80E-07	5.71E-07	0.00E+00	0.00E+00	2.55E-07	4.70E-08	3.02E-07	4.66E-08	4.42E-08	6.94E-07
1509	495261.06	3858551.99	2.26E-03	2.29E-03	2.26E-03	7.83E-07	2.37E-06	1.37E-06	1.37E-06	1.26E-06	5.74E-07	5.66E-07	0.00E+00	0.00E+00	2.52E-07	4.65E-08	2.99E-07	4.61E-08	4.38E-08	6.87E-07
1510	495311.06	3858551.99	2.25E-03	2.28E-03	2.25E-03	7.78E-07	2.35E-06	1.36E-06	1.36E-06	1.25E-06	5.71E-07	5.62E-07	0.00E+00	0.00E+00	2.50E-07	4.62E-08	2.97E-07	4.58E-08	4.35E-08	6.83E-07
1511	495361.06	3858551.99	2.23E-03	2.26E-03	2.23E-03	7.73E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.67E-07	5.58E-07	0.00E+00	0.00E+00	2.49E-07	4.59E-08	2.95E-07	4.55E-08	4.32E-08	6.78E-07
1512	495411.06	3858551.99	2.22E-03	2.25E-03	2.22E-03	7.70E-07	2.32E-06	1.35E-06	1.35E-06	1.24E-06	5.64E-07	5.55E-07	0.00E+00	0.00E+00	2.47E-07	4.57E-08	2.94E-07	4.53E-08	4.30E-08	6.75E-07
1513	495461.06	3858551.99	2.21E-03	2.24E-03	2.21E-03	7.65E-07	2.31E-06	1.34E-06	1.34E-06	1.23E-06	5.61E-07	5.52E-07	0.00E+00	0.00E+00	2.46E-07	4.54E-08	2.92E-07	4.50E-08	4.27E-08	6.71E-07
1514	495511.06	3858551.99	2.20E-03	2.23E-03	2.20E-03	7.62E-07	2.30E-06	1.33E-06	1.33E-06	1.22E-06	5.58E-07	5.50E-07	0.00E+00	0.00E+00	2.45E-07	4.52E-08	2.91E-07	4.48E-08	4.26E-08	6.68E-07
1515	495561.06	3858551.99	2.19E-03	2.22E-03	2.18E-03	7.57E-07	2.29E-06	1.32E-06	1.32E-06	1.22E-06	5.55E-07	5.46E-07	0.00E+00	0.00E+00	2.43E-07	4.49E-08	2.89E-07	4.46E-08	4.23E-08	6.64E-07
1516	495611.06	3858551.99	2.17E-03	2.20E-03	2.17E-03	7.51E-07	2.27E-06	1.31E-06	1.31E-06	1.21E-06	5.51E-07	5.42E-07	0.00E+00	0.00E+00	2.42E-07	4.46E-08	2.87E-07	4.42E-08	4.20E-08	6.59E-07
1517	495661.06	3858551.99	2.15E-03	2.18E-03	2.15E-03	7.45E-07	2.25E-06	1.30E-06	1.30E-06	1.20E-06	5.46E-07	5.38E-07	0.00E+00	0.00E+00	2.40E-07	4.42E-08	2.85E-07	4.39E-08	4.16E-08	6.54E-07
1518	494311.06	3858601.99	2.75E-03	2.79E-03	2.75E-03	9.52E-07	2.87E-06	1.66E-06	1.66E-06	1.53E-06	6.97E-07	6.89E-07	0.00E+00	0.00E+00	3.06E-07	5.65E-08	3.63E-07	5.60E-08	5.34E-08	8.35E-07
1519	494361.06	3858601.99	2.86E-03	2.90E-03	2.86E-03	9.92E-07	2.99E-06	1.73E-06	1.73E-06	1.59E-06	7.27E-07	7.17E-07	0.00E+00	0.00E+00	3.19E-07	5.88E-08	3.78E-07	5.83E-08	5.55E-08	8.70E-07
1520	494411.06	3858601.99	2.93E-03	2.97E-03	2.93E-03	1.02E-06	3.07E-06	1.78E-06	1.78E-06	1.63E-06	7.44E-07	7.34E-07	0.00E+00	0.00E+00	3.27E-07	6.03E-08	3.88E-07	5.98E-08	5.68E-08	8.91E-07
1521	494461.06	3858601.99	2.92E-03	2.96E-03	2.92E-03	1.01E-06	3.05E-06	1.77E-06	1.77E-06	1.62E-06	7.41E-07	7.30E-07	0.00E+00	0.00E+00	3.25E-07	5.99E-08	3.86E-07	5.95E-08	5.65E-08	8.86E-07
1522	494511.06	3858601.99	2.88E-03	2.92E-03	2.88E-03	9.96E-07	3.01E-06	1.74E-06	1.74E-06	1.60E-06	7.30E-07	7.20E-07	0.00E+00	0.00E+00	3.20E-07	5.91E-08	3.80E-07	5.86E-08	5.57E-08	8.74E-07
1523	494561.06	3858601.99	2.88E-03	2.91E-03	2.87E-03	9.95E-07	3.01E-06	1.74E-06	1.74E-06	1.60E-06	7.30E-07	7.19E-07	0.00E+00	0.00E+00	3.20E-07	5.91E-08	3.80E-07	5.86E-08	5.57E-08	8.73E-07
1524	494611.06	3858601.99	2.84E-03	2.88E-03	2.83E-03	9.82E-07	2.96E-06	1.72E-06	1.72E-06	1.58E-06	7.20E-07	7.09E-07	0.00E+00	0.00E+00	3.16E-07	5.83E-08	3.75E-07	5.78E-08	5.49E-08	8.62E-07
1525	494661.06	3858601.99	2.81E-03	2.85E-03	2.80E-03	9.72E-07	2.93E-06	1.70E-06	1.70E-06	1.56E-06	7.12E-07	7.02E-07	0.00E+00	0.00E+00	3.12E-07	5.76E-08	3.71E-07	5.72E-08	5.43E-08	8.52E-07
1526	494711.06	3858601.99	2.76E-03	2.80E-03	2.76E-03	9.57E-07	2.89E-06	1.67E-06	1.67E-06	1.54E-06	7.01E-07	6.91E-07	0.00E+00	0.00E+00	3.08E-07	5.68E-08	3.65E-07	5.63E-08	5.35E-08	8.40E-07
1527	494761.06	3858601.99	2.72E-03	2.76E-03	2.72E-03	9.42E-07	2.84E-06	1.65E-06	1.65E-06	1.51E-06	6.91E-07	6.81E-07	0.00E+00	0.00E+00	3.03E-07	5.59E-08	3.60E-07	5.55E-08	5.27E-08	8.27E-07
1528	494811.06	3858601.99	2.66E-03	2.70E-03	2.66E-03	9.21E-07	2.78E-06	1.61E-06	1.61E-06	1.48E-06	6.75E-07	6.66E-07	0.00E+00	0.00E+00	2.96E-07	5.47E-08	3.52E-07	5.42E-08	5.15E-08	8.08E-07
1529	494861.06	3858601.99	2.63E-03	2.66E-03	2.63E-03	9.10E-07	2.75E-06	1.59E-06	1.59E-06	1.46E-06	6.67E-07	6.57E-07	0.00E+00	0.00E+00	2.92E-07	5.40E-08	3.47E-07	5.35E-08	5.09E-08	7.98E-07
1530	494911.06	3858601.99	2.57E-03	2.61E-03	2.57E-03	8.90E-07	2.69E-06	1.56E-06	1.56E-06	1.43E-06	6.53E-07	6.43E-07	0.00E+00	0.00E+00	2.86E-07	5.28E-08	3.40E-07	5.24E-08	4.98E-08	7.81E-07
1531	494961.06	3858601.99	2.53E-03	2.57E-03	2.53E-03	8.77E-07	2.65E-06	1.53E-06	1.53E-06	1.41E-06	6.43E-07	6.33E-07	0.00E+00	0.00E+00	2.82E-07	5.20E-08	3.35E-07	5.16E-08	4.90E-08	7.69E-07
1532	495011.06	3858601.99	2.49E-03	2.53E-03	2.49E-03	8.63E-07	2.60E-06	1.51E-06	1.51E-06	1.39E-06	6.32E-07	6.23E-07	0.00E+00	0.00E+00	2.77E-07	5.12E-08	3.29E-07	5.08E-08	4.83E-08	7.57E-07
1533	495061.06	3858601.99	2.45E-03	2.48E-03	2.45E-03	8.48E-07	2.56E-06	1.48E-06	1.48E-06	1.36E-06	6.22E-07	6.13E-07	0.00E+00	0.00E+00	2.73E-07	5.03E-08	3.24E-07	4.99E-08	4.74E-08	7.44E-07
1534	495111.06	3858601.99	2.39E-03	2.43E-03	2.39E-03	8.28E-07	2.50E-06	1.45E-06	1.45E-06	1.33E-06	6.07E-07	5.98E-07	0.00E+00	0.00E+00	2.66E-07	4.91E-08	3.16E-07	4.87E-08	4.63E-08	7.27E-07
1535	495161.06	3858601.99	2.36E-03	2.39E-03	2.36E-03	8.17E-07	2.47E-06	1.43E-06	1.43E-06	1.31E-06	5.99E-07	5.90E-07	0.00E+00	0.00E+00	2.63E-07	4.85E-08	3.12E-07	4.81E-08	4.57E-08	7.17E-07
1536	495211.06	3858601.99	2.34E-03	2.37E-03	2.33E-03	8.09E-07	2.44E-06	1.41E-06	1.41E-06	1.30E-06	5.93E-07	5.84E-07	0.00E+00	0.00E+00	2.60E-07	4.80E-08	3.09E-07	4.76E-08	4.52E-08	7.10E-07
1537	495261.06	3858601.99	2.31E-03	2.34E-03	2.31E-03	8.00E-07	2.41E-06	1.40E-06	1.40E-06	1.28E-06	5.86E-07	5.78E-07	0.00E+00	0.00E+00	2.57E-07	4.75E-08	3.05E-07	4.71E-08	4.47E-08	7.02E-07
1538	495311.06	3858601.99	2.29E-03	2.32E-03	2.29E-03	7.93E-07	2.39E-06	1.39E-06	1.39E-06	1.27E-06	5.81E-07	5.73E-07	0.00E+00	0.00E+00	2.55E-07	4.70E-08	3.03E-07	4.67E-08	4.43E-08	6.96E-07
1539	495361.06	3858601.99	2.28E-03	2.31E-03	2.27E-03	7.88E-07	2.38E-06	1.38E-06	1.38E-06	1.27E-06	5.78E-07	5.69E-07	0.00E+00	0.00E+00	2.53E-07	4.68E-08	3.01E-07	4.64E-08	4.41E-08	6.92E-07
1540	495411.06	3858601.99	2.26E-03	2.30E-03	2.26E-03	7.84E-07	2.37E-06	1.37E-06	1.37E-06	1.26E-06	5.75E-07	5.66E-07	0.00E+00	0.00E+00	2.52E-07	4.65E-08	2.99E-07	4.61E-08	4.38E-08	6.88E-07
1541	495461.06	3858601.99	2.25E-03	2.28E-03	2.25E-03	7.80E-07	2.35E-06	1.36E-06	1.36E-06	1.25E-06	5.72E-07	5.63E-07	0.00E+00	0.00E+00	2.51E-07	4.63E-08	2.98E-07	4.59E-08	4.36E-08	6.84E-07
1542	495511.06	3858601.99	2.23E-03	2.26E-03	2.23E-03	7.73E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.67E-07	5.58E-07	0.00E+00	0.00E+00	2.49E-07	4.59E-08	2.95E-07	4.55E-08	4.32E-08	6.78E-07
1543	495561.06	3858601.99	2.23E-03	2.26E-03	2.22E-03	7.70E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.65E-07	5.56E-07	0.00E+00	0.00E+00	2.48E-07	4.57E-08	2.94E-07	4.54E-08	4.31E-08	6.76E-07
1544	495611.06	3858601.99	2.20E-03	2.23E-03	2.20E-03	7.63E-07	2.30E-06	1.33E-06	1.33E-06	1.23E-06	5.59E-07	5.50E-07	0.00E+00	0.00E+00	2.45E-07	4.52E-08	2.91E-07	4.49E-08	4.26E-08	6.69E-07
1545	495661.06	3858601.99	2.19E-03	2.22E-03	2.19E-03	7.59E-07	2.29E-06	1.33E-06	1.33E-06	1.22E-06	5.57E-07	5.48E-07	0.00E+00	0.00E+00	2.44E-07	4.50E-08	2.90E-07	4.47E-08	4.24E-08	6.66E-07
1546	494311.06	3858651.99	2.76E-03	2.80E-03	2.77E-03	9.55E-07	2.88E-06	1.67E-06	1.67E-06	1.53E-06	7.00E-07	6.92E-07	0.00E+00	0.00E+00	3.07E-07	5.67E-08	3.64E-07	5.62E-08	5.36E-08	8.38E-07
1547	494361.06	3858651.99	2.87E-03	2.91E-03	2.88E-03	9.94E-07	3.00E-06	1.74E-06	1.74E-06	1.60E-06	7.28E-07	7.20E-07	0.00E+00	0.00E+00	3.20E-07	5.90E-08	3.79E-07	5.85E-08	5.57E-08	8.72E-07
1548	494411.06	3858651.99	3.00E-03	3.04E-03	3.00E-03	1.04E-06	3.13E-06	1.81E-06	1.81E-06	1.67E-06	7.60E-07	7.50E-07	0.00E+00	0.00E+00	3.34E-07	6.15E-08	3.96E-07	6.10E-08	5.81E-08	9.10E-07
1549	494461.06	3858651.99	2.99E-03	3.03E-03	3.00E-03	1.04E-06	3.13E-06	1.81E-06	1.81E-06	1.66E-06	7.59E-07	7.50E-07	0.00E+00	0.00E+00	3.33E-07	6.15E-08	3.95E-07	6.10E-08	5.80E-08	9.09E-07
1550	494511.06	3858651.99	2.97E-03	3.01E-03	2.97E-03	1.03E-06	3.10E-06	1.79E-06	1.79E-06	1.65E-06	7.52E-07	7.43E-07	0.00E+00	0.00E+00	3.30E-07	6.09E-08	3.92E-07	6.04E-08	5.75E-08	9.01E-07
1551	494561.06	3858651.99	2.95E-03	2.99E-03	2.95E-03	1.02E-06	3.08E-06	1.78E-06	1.78E-06	1.64E-06	7.47E-07	7.38E-07	0.00E+00	0.00E+00	3.28E-07	6.05E-08	3.89E-07	6.00E-08	5.71E-08	8.95E-07
1552	494611.06	3858651.99	2.92E-03	2.96E-03	2.92E-03	1.01E-06	3.05E-06	1.77E-06	1.77E-06	1.62E-06	7.41E-07	7.31E-07	0.00E+00	0.00E+00	3.25E-07	6.00E-08	3.86E-07	5.95E-08	5.66E-08	8.87E-07
1553	494661.06	3858651.99	2.88E-03	2.92E-03	2.88E-03	9.98E-07	3.01E-06	1.74E-06	1.74E-06	1.60E-06	7.31E-07	7.21E-07	0.00E+00	0.00E+00	3.21E-07	5.92E-08	3.81E-07	5.87E-08	5.59E-08	8.75E-07
1554	494711.06	3858651.99	2.83E-03	2.87E-03	2.83E-03	9.80E-07	2.96E-06	1.71E-06	1.71E-06	1.57E-06	7.19E-07	7.09E-07	0.00E+00	0.00E+00	3.15E-07	5.82E-08	3.74E-07	5.77E-08	5.49E-08	8.60E-07
1555	494761.06	3858651.99	2.79E-03	2.83E-03	2.79E-03	9.67E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.09E-07	6.99E-07	0.00E+00	0.00E+00	3.11E-07	5.74E-08	3.69E-07	5.69E-08	5.41E-08	8.48E-07
1556	494811.06	3858651.99	2.74E-03	2.78E-03	2.74E-03	9.48E-07	2.86E-06	1.66E-06	1.66E-06	1.52E-06	6.95E-07	6.85E-07	0.00E+00	0.00E+00	3.05E-07	5.62E-08	3.62E-07	5.58E-08	5.31E-08	8.32E-07
1557	494861.06	3858651.99	2.69E-03	2.72E-03	2.69E-03	9.30E-07	2.81E-06	1.63E-06	1.63E-06	1.49E-06	6.82E-07	6.73E-07	0.00E+00	0.00E+00	2.99E-07	5.52E-08	3.55E-07	5.48E-08	5.21E-08	8.16E-07
1558	494911.06	3858651.99	2.63E-03	2.67E-03	2.63E-03	9.11E-07	2.75E-06	1.59E-06	1.59E-06	1.46E-06	6.68E-07	6.59E-07	0.00E+00	0.00E+00	2.93E-07	5.41E-08	3.48E-07	5.36E-08	5.10E-08	7.99E-07
1559	494961.06	3858651.99	2.58E-03	2.62E-03	2.58E-03	8.94E-07	2.70E-06	1.56E-06	1.56E-06	1.44E-06	6.55E-07	6.46E-07	0.00E+00	0.00E+00	2.87E-07	5.30E-08	3.41E-07	5.26E-08	5.00E-08	7.84E-07
1560	495011.06	3858651.99	2.54E-03	2.58E-03	2.54E-03	8.80E-07	2.66E-06	1.54E-06	1.54E-06	1.41E-06	6.45E-07	6.36E-07	0.00E+00	0.00E+00	2.83E-07	5.22E-08	3.36E-07	5.18E-08	4.93E-08	7.72E-07
1561	495061.06	3858651.99	2.50E-03	2.53E-03	2.50E-03	8.65E-07	2.61E-06	1.51E-06	1.51E-06	1.39E-06	6.34E-07	6.25E-07	0.00E+00	0.00E+00	2.78E-07	5.13E-08	3.30E-07	5.09E-08	4.84E-08	7.59E-07
1562	495111.06	3858651.99	2.45E-03	2.48E-03	2.45E-03	8.48E-07	2.56E-06	1.48E-06	1.48E-06	1.36E-06	6.22E-07	6.13E-07	0.00E+00	0.00E+00	2.73E-07	5.03E-08	3.24E-07	4.99E-08	4.75E-08	7.44E-07
1563	495161.06	3858651.99	2.42E-03	2.45E-03	2.42E-03	8.37E-07	2.53E-06	1.46E-06	1.46E-06	1.34E-06	6.13E-07	6.05E-07	0.00E+00	0.00E+00	2.69E-07	4.96E-08	3.19E-07	4.92E-08	4.68E-08	7.34E-07
1564	495211.06	3858651.99	2.38E-03	2.41E-03	2.38E-03	8.24E-07	2.49E-06	1.44E-06	1.44E-06	1.32E-06	6.04E-07	5.95E-07	0.00E+00	0.00E+00	2.65E-07	4.89E-08	3.14E-07	4.85E-08	4.61E-08	7.23E-07
1565	495261.06	3858651.99	2.37E-03	2.40E-03	2.36E-03	8.19E-07	2.47E-06	1.43E-06	1.43E-06	1.32E-06	6.00E-07	5.92E-07	0.00E+00	0.00E+00	2.63E-07	4.86E-08	3.12E-07	4.82E-08	4.58E-08	7.18E-07
1566	495311.06	3858651.99	2.34E-03	2.38E-03	2.34E-03	8.11E-07	2.45E-06	1.42E-06	1.42E-06	1.30E-06	5.95E-07	5.86E-07	0.00E+00	0.00E+00	2.61E-07	4.81E-08	3.10E-07	4.77E-08	4.54E-08	7.12E-07
1567	495361.06	3858651.99	2.33E-03	2.36E-03	2.33E-03	8.06E-07	2.43E-06	1.41E-06	1.41E-06	1.29E-06	5.91E-07	5.83E-07	0.00E+00	0.00E+00	2.59E-07	4.78E-08	3.08E-07	4.74E-08	4.51E-08	7.07E-07
1568	495411.06	3858651.99	2.32E-03	2.35E-03	2.32E-03	8.02E-07	2.42E-06	1.40E-06	1.40E-06	1.29E-06	5.88E-07	5.80E-07	0.00E+00	0.00E+00	2.58E-07	4.76E-08	3.06E-07	4.72E-08	4.49E-08	7.04E-07

1569	495461.06	3858651.99	2.31E-03	2.34E-03	2.31E-03	8.00E-07	2.42E-06	1.40E-06	1.40E-06	1.28E-06	5.86E-07	5.78E-07	0.00E+00	0.00E+00	2.57E-07	4.75E-08	3.05E-07	4.71E-08	4.47E-08	7.02E-07
1570	495511.06	3858651.99	2.29E-03	2.32E-03	2.28E-03	7.92E-07	2.39E-06	1.38E-06	1.38E-06	1.27E-06	5.80E-07	5.72E-07	0.00E+00	0.00E+00	2.55E-07	4.70E-08	3.02E-07	4.66E-08	4.43E-08	6.95E-07
1571	495561.06	3858651.99	2.27E-03	2.30E-03	2.27E-03	7.85E-07	2.37E-06	1.37E-06	1.37E-06	1.26E-06	5.76E-07	5.67E-07	0.00E+00	0.00E+00	2.53E-07	4.66E-08	3.00E-07	4.62E-08	4.39E-08	6.89E-07
1572	495611.06	3858651.99	2.24E-03	2.27E-03	2.24E-03	7.76E-07	2.34E-06	1.36E-06	1.36E-06	1.25E-06	5.69E-07	5.61E-07	0.00E+00	0.00E+00	2.50E-07	4.61E-08	2.96E-07	4.57E-08	4.34E-08	6.81E-07
1573	495661.06	3858651.99	2.23E-03	2.26E-03	2.23E-03	7.72E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.66E-07	5.58E-07	0.00E+00	0.00E+00	2.48E-07	4.58E-08	2.95E-07	4.55E-08	4.32E-08	6.78E-07
1574	494311.06	3858701.99	2.82E-03	2.86E-03	2.83E-03	9.77E-07	2.95E-06	1.71E-06	1.71E-06	1.57E-06	7.16E-07	7.09E-07	0.00E+00	0.00E+00	3.14E-07	5.80E-08	3.73E-07	5.75E-08	5.49E-08	8.57E-07
1575	494361.06	3858701.99	2.98E-03	3.02E-03	2.99E-03	1.03E-06	3.12E-06	1.81E-06	1.81E-06	1.66E-06	7.56E-07	7.48E-07	0.00E+00	0.00E+00	3.32E-07	6.13E-08	3.94E-07	6.07E-08	5.79E-08	9.06E-07
1576	494411.06	3858701.99	3.07E-03	3.11E-03	3.08E-03	1.06E-06	3.21E-06	1.86E-06	1.86E-06	1.71E-06	7.79E-07	7.70E-07	0.00E+00	0.00E+00	3.42E-07	6.31E-08	4.06E-07	6.26E-08	5.96E-08	9.33E-07
1577	494461.06	3858701.99	3.06E-03	3.10E-03	3.07E-03	1.06E-06	3.20E-06	1.85E-06	1.85E-06	1.70E-06	7.77E-07	7.67E-07	0.00E+00	0.00E+00	3.41E-07	6.29E-08	4.04E-07	6.24E-08	5.94E-08	9.30E-07
1578	494511.06	3858701.99	3.04E-03	3.08E-03	3.05E-03	1.05E-06	3.18E-06	1.84E-06	1.84E-06	1.69E-06	7.72E-07	7.63E-07	0.00E+00	0.00E+00	3.39E-07	6.25E-08	4.02E-07	6.20E-08	5.91E-08	9.24E-07
1579	494561.06	3858701.99	3.02E-03	3.06E-03	3.02E-03	1.04E-06	3.15E-06	1.83E-06	1.83E-06	1.68E-06	7.65E-07	7.56E-07	0.00E+00	0.00E+00	3.36E-07	6.20E-08	3.99E-07	6.15E-08	5.85E-08	9.16E-07
1580	494611.06	3858701.99	2.96E-03	3.00E-03	2.96E-03	1.02E-06	3.09E-06	1.79E-06	1.79E-06	1.64E-06	7.50E-07	7.41E-07	0.00E+00	0.00E+00	3.29E-07	6.07E-08	3.91E-07	6.02E-08	5.74E-08	8.98E-07
1581	494661.06	3858701.99	2.95E-03	2.99E-03	2.95E-03	1.02E-06	3.08E-06	1.78E-06	1.78E-06	1.64E-06	7.47E-07	7.38E-07	0.00E+00	0.00E+00	3.28E-07	6.05E-08	3.89E-07	6.00E-08	5.71E-08	8.95E-07
1582	494711.06	3858701.99	2.83E-03	2.87E-03	2.83E-03	9.79E-07	2.96E-06	1.71E-06	1.71E-06	1.57E-06	7.17E-07	7.08E-07	0.00E+00	0.00E+00	3.15E-07	5.81E-08	3.73E-07	5.76E-08	5.48E-08	8.59E-07
1583	494761.06	3858701.99	2.84E-03	2.88E-03	2.84E-03	9.84E-07	2.97E-06	1.72E-06	1.72E-06	1.58E-06	7.21E-07	7.12E-07	0.00E+00	0.00E+00	3.16E-07	5.84E-08	3.75E-07	5.79E-08	5.51E-08	8.63E-07
1584	494811.06	3858701.99	2.79E-03	2.82E-03	2.79E-03	9.65E-07	2.91E-06	1.69E-06	1.69E-06	1.55E-06	7.07E-07	6.98E-07	0.00E+00	0.00E+00	3.10E-07	5.72E-08	3.68E-07	5.68E-08	5.40E-08	8.46E-07
1585	494861.06	3858701.99	2.74E-03	2.78E-03	2.74E-03	9.49E-07	2.86E-06	1.66E-06	1.66E-06	1.52E-06	6.95E-07	6.86E-07	0.00E+00	0.00E+00	3.05E-07	5.63E-08	3.62E-07	5.58E-08	5.31E-08	8.32E-07
1586	494911.06	3858701.99	2.70E-03	2.74E-03	2.70E-03	9.34E-07	2.82E-06	1.63E-06	1.63E-06	1.50E-06	6.85E-07	6.76E-07	0.00E+00	0.00E+00	3.01E-07	5.54E-08	3.57E-07	5.50E-08	5.23E-08	8.20E-07
1587	494961.06	3858701.99	2.63E-03	2.66E-03	2.63E-03	9.09E-07	2.74E-06	1.59E-06	1.59E-06	1.46E-06	6.66E-07	6.57E-07	0.00E+00	0.00E+00	2.92E-07	5.39E-08	3.47E-07	5.35E-08	5.09E-08	7.97E-07
1588	495011.06	3858701.99	2.58E-03	2.61E-03	2.58E-03	8.92E-07	2.69E-06	1.56E-06	1.56E-06	1.43E-06	6.54E-07	6.45E-07	0.00E+00	0.00E+00	2.87E-07	5.29E-08	3.40E-07	5.25E-08	5.00E-08	7.83E-07
1589	495061.06	3858701.99	2.55E-03	2.59E-03	2.55E-03	8.83E-07	2.67E-06	1.54E-06	1.54E-06	1.42E-06	6.47E-07	6.39E-07	0.00E+00	0.00E+00	2.84E-07	5.24E-08	3.37E-07	5.20E-08	4.95E-08	7.75E-07
1590	495111.06	3858701.99	2.50E-03	2.53E-03	2.50E-03	8.65E-07	2.61E-06	1.51E-06	1.51E-06	1.39E-06	6.34E-07	6.25E-07	0.00E+00	0.00E+00	2.78E-07	5.13E-08	3.30E-07	5.09E-08	4.84E-08	7.59E-07
1591	495161.06	3858701.99	2.47E-03	2.50E-03	2.47E-03	8.54E-07	2.58E-06	1.49E-06	1.49E-06	1.37E-06	6.26E-07	6.18E-07	0.00E+00	0.00E+00	2.75E-07	5.07E-08	3.26E-07	5.03E-08	4.78E-08	7.49E-07
1592	495211.06	3858701.99	2.43E-03	2.46E-03	2.43E-03	8.41E-07	2.54E-06	1.47E-06	1.47E-06	1.35E-06	6.16E-07	6.08E-07	0.00E+00	0.00E+00	2.70E-07	4.99E-08	3.21E-07	4.95E-08	4.71E-08	7.38E-07
1593	495261.06	3858701.99	2.42E-03	2.45E-03	2.42E-03	8.36E-07	2.53E-06	1.46E-06	1.46E-06	1.34E-06	6.13E-07	6.05E-07	0.00E+00	0.00E+00	2.69E-07	4.96E-08	3.19E-07	4.92E-08	4.68E-08	7.34E-07
1594	495311.06	3858701.99	2.40E-03	2.44E-03	2.40E-03	8.32E-07	2.51E-06	1.45E-06	1.45E-06	1.34E-06	6.09E-07	6.01E-07	0.00E+00	0.00E+00	2.67E-07	4.93E-08	3.17E-07	4.89E-08	4.66E-08	7.30E-07
1595	495361.06	3858701.99	2.38E-03	2.42E-03	2.38E-03	8.25E-07	2.49E-06	1.44E-06	1.44E-06	1.33E-06	6.05E-07	5.97E-07	0.00E+00	0.00E+00	2.65E-07	4.90E-08	3.15E-07	4.86E-08	4.62E-08	7.24E-07
1596	495411.06	3858701.99	2.38E-03	2.41E-03	2.37E-03	8.22E-07	2.48E-06	1.44E-06	1.44E-06	1.32E-06	6.03E-07	5.94E-07	0.00E+00	0.00E+00	2.64E-07	4.88E-08	3.14E-07	4.84E-08	4.60E-08	7.21E-07
1597	495461.06	3858701.99	2.36E-03	2.39E-03	2.36E-03	8.17E-07	2.47E-06	1.43E-06	1.43E-06	1.31E-06	5.99E-07	5.90E-07	0.00E+00	0.00E+00	2.63E-07	4.85E-08	3.12E-07	4.81E-08	4.57E-08	7.17E-07
1598	495511.06	3858701.99	2.34E-03	2.37E-03	2.34E-03	8.10E-07	2.45E-06	1.42E-06	1.42E-06	1.30E-06	5.94E-07	5.85E-07	0.00E+00	0.00E+00	2.60E-07	4.80E-08	3.09E-07	4.77E-08	4.53E-08	7.10E-07
1599	495561.06	3858701.99	2.32E-03	2.35E-03	2.31E-03	8.02E-07	2.42E-06	1.40E-06	1.40E-06	1.29E-06	5.88E-07	5.79E-07	0.00E+00	0.00E+00	2.58E-07	4.76E-08	3.06E-07	4.72E-08	4.49E-08	7.03E-07
1600	495611.06	3858701.99	2.29E-03	2.32E-03	2.29E-03	7.94E-07	2.40E-06	1.39E-06	1.39E-06	1.27E-06	5.82E-07	5.73E-07	0.00E+00	0.00E+00	2.55E-07	4.71E-08	3.03E-07	4.67E-08	4.44E-08	6.96E-07
1601	495661.06	3858701.99	2.28E-03	2.31E-03	2.27E-03	7.88E-07	2.38E-06	1.38E-06	1.38E-06	1.27E-06	5.78E-07	5.69E-07	0.00E+00	0.00E+00	2.53E-07	4.67E-08	3.01E-07	4.64E-08	4.41E-08	6.91E-07
1602	494311.06	3858751.99	2.89E-03	2.93E-03	2.90E-03	1.00E-06	3.02E-06	1.75E-06	1.75E-06	1.61E-06	7.33E-07	7.27E-07	0.00E+00	0.00E+00	3.22E-07	5.94E-08	3.82E-07	5.89E-08	5.63E-08	8.78E-07
1603	494361.06	3858751.99	3.09E-03	3.13E-03	3.10E-03	1.07E-06	3.23E-06	1.87E-06	1.87E-06	1.72E-06	7.83E-07	7.75E-07	0.00E+00	0.00E+00	3.44E-07	6.34E-08	4.08E-07	6.29E-08	6.00E-08	9.38E-07
1604	494411.06	3858751.99	3.16E-03	3.20E-03	3.16E-03	1.09E-06	3.30E-06	1.91E-06	1.91E-06	1.75E-06	8.00E-07	7.91E-07	0.00E+00	0.00E+00	3.51E-07	6.48E-08	4.17E-07	6.42E-08	6.13E-08	9.58E-07
1605	494461.06	3858751.99	3.15E-03	3.19E-03	3.15E-03	1.09E-06	3.29E-06	1.90E-06	1.90E-06	1.75E-06	7.98E-07	7.89E-07	0.00E+00	0.00E+00	3.50E-07	6.46E-08	4.15E-07	6.40E-08	6.11E-08	9.55E-07
1606	494511.06	3858751.99	3.13E-03	3.17E-03	3.14E-03	1.08E-06	3.27E-06	1.90E-06	1.90E-06	1.74E-06	7.94E-07	7.85E-07	0.00E+00	0.00E+00	3.49E-07	6.43E-08	4.14E-07	6.38E-08	6.08E-08	9.51E-07
1607	494561.06	3858751.99	3.09E-03	3.13E-03	3.09E-03	1.07E-06	3.23E-06	1.87E-06	1.87E-06	1.72E-06	7.84E-07	7.75E-07	0.00E+00	0.00E+00	3.44E-07	6.35E-08	4.08E-07	6.29E-08	6.00E-08	9.38E-07
1608	494611.06	3858751.99	3.04E-03	3.08E-03	3.04E-03	1.05E-06	3.17E-06	1.84E-06	1.84E-06	1.69E-06	7.70E-07	7.61E-07	0.00E+00	0.00E+00	3.38E-07	6.23E-08	4.01E-07	6.18E-08	5.89E-08	9.22E-07
1609	494661.06	3858751.99	3.01E-03	3.05E-03	3.01E-03	1.04E-06	3.15E-06	1.82E-06	1.82E-06	1.67E-06	7.63E-07	7.54E-07	0.00E+00	0.00E+00	3.35E-07	6.18E-08	3.97E-07	6.13E-08	5.84E-08	9.14E-07
1610	494711.06	3858751.99	2.94E-03	2.98E-03	2.94E-03	1.02E-06	3.07E-06	1.78E-06	1.78E-06	1.63E-06	7.45E-07	7.36E-07	0.00E+00	0.00E+00	3.27E-07	6.03E-08	3.88E-07	5.98E-08	5.70E-08	8.92E-07
1611	494761.06	3858751.99	2.91E-03	2.94E-03	2.91E-03	1.01E-06	3.04E-06	1.76E-06	1.76E-06	1.62E-06	7.37E-07	7.28E-07	0.00E+00	0.00E+00	3.24E-07	5.97E-08	3.84E-07	5.92E-08	5.64E-08	8.83E-07
1612	494811.06	3858751.99	2.84E-03	2.88E-03	2.85E-03	9.84E-07	2.97E-06	1.72E-06	1.72E-06	1.58E-06	7.21E-07	7.13E-07	0.00E+00	0.00E+00	3.17E-07	5.84E-08	3.76E-07	5.79E-08	5.52E-08	8.64E-07
1613	494861.06	3858751.99	2.79E-03	2.82E-03	2.79E-03	9.65E-07	2.91E-06	1.69E-06	1.69E-06	1.55E-06	7.07E-07	6.99E-07	0.00E+00	0.00E+00	3.10E-07	5.73E-08	3.68E-07	5.68E-08	5.41E-08	8.47E-07
1614	494911.06	3858751.99	2.73E-03	2.76E-03	2.73E-03	9.45E-07	2.85E-06	1.65E-06	1.65E-06	1.52E-06	6.92E-07	6.84E-07	0.00E+00	0.00E+00	3.04E-07	5.60E-08	3.60E-07	5.56E-08	5.29E-08	8.29E-07
1615	494961.06	3858751.99	2.68E-03	2.72E-03	2.69E-03	9.29E-07	2.81E-06	1.62E-06	1.62E-06	1.49E-06	6.81E-07	6.73E-07	0.00E+00	0.00E+00	2.99E-07	5.51E-08	3.55E-07	5.47E-08	5.21E-08	8.15E-07
1616	495011.06	3858751.99	2.65E-03	2.69E-03	2.66E-03	9.18E-07	2.77E-06	1.61E-06	1.61E-06	1.47E-06	6.73E-07	6.65E-07	0.00E+00	0.00E+00	2.95E-07	5.45E-08	3.50E-07	5.40E-08	5.15E-08	8.06E-07
1617	495061.06	3858751.99	2.61E-03	2.64E-03	2.61E-03	9.03E-07	2.73E-06	1.58E-06	1.58E-06	1.45E-06	6.61E-07	6.53E-07	0.00E+00	0.00E+00	2.90E-07	5.36E-08	3.44E-07	5.31E-08	5.06E-08	7.92E-07
1618	495111.06	3858751.99	2.56E-03	2.59E-03	2.56E-03	8.85E-07	2.67E-06	1.55E-06	1.55E-06	1.42E-06	6.48E-07	6.40E-07	0.00E+00	0.00E+00	2.84E-07	5.25E-08	3.37E-07	5.20E-08	4.96E-08	7.76E-07
1619	495161.06	3858751.99	2.52E-03	2.56E-03	2.53E-03	8.73E-07	2.64E-06	1.53E-06	1.53E-06	1.40E-06	6.40E-07	6.32E-07	0.00E+00	0.00E+00	2.81E-07	5.18E-08	3.33E-07	5.14E-08	4.89E-08	7.66E-07
1620	495211.06	3858751.99	2.48E-03	2.52E-03	2.49E-03	8.59E-07	2.60E-06	1.50E-06	1.50E-06	1.38E-06	6.30E-07	6.22E-07	0.00E+00	0.00E+00	2.76E-07	5.10E-08	3.28E-07	5.06E-08	4.82E-08	7.54E-07
1621	495261.06	3858751.99	2.47E-03	2.50E-03	2.47E-03	8.54E-07	2.58E-06	1.49E-06	1.49E-06	1.37E-06	6.26E-07	6.18E-07	0.00E+00	0.00E+00	2.75E-07	5.07E-08	3.26E-07	5.02E-08	4.78E-08	7.49E-07
1622	495311.06	3858751.99	2.45E-03	2.49E-03	2.46E-03	8.49E-07	2.56E-06	1.48E-06	1.48E-06	1.36E-06	6.22E-07	6.15E-07	0.00E+00	0.00E+00	2.73E-07	5.04E-08	3.24E-07	5.00E-08	4.76E-08	7.45E-07
1623	495361.06	3858751.99	2.44E-03	2.47E-03	2.44E-03	8.43E-07	2.55E-06	1.47E-06	1.47E-06	1.35E-06	6.18E-07	6.10E-07	0.00E+00	0.00E+00	2.71E-07	5.00E-08	3.22E-07	4.96E-08	4.72E-08	7.40E-07
1624	495411.06	3858751.99	2.43E-03	2.46E-03	2.43E-03	8.41E-07	2.54E-06	1.47E-06	1.47E-06	1.35E-06	6.16E-07	6.08E-07	0.00E+00	0.00E+00	2.70E-07	4.99E-08	3.21E-07	4.95E-08	4.71E-08	7.38E-07
1625	495461.06	3858751.99	2.41E-03	2.45E-03	2.41E-03	8.35E-07	2.52E-06	1.46E-06	1.46E-06	1.34E-06	6.12E-07	6.04E-07	0.00E+00	0.00E+00	2.69E-07	4.96E-08	3.19E-07	4.92E-08	4.68E-08	7.33E-07
1626	495511.06	3858751.99	2.39E-03	2.42E-03	2.39E-03	8.28E-07	2.50E-06	1.45E-06	1.45E-06	1.33E-06	6.07E-07	5.99E-07	0.00E+00	0.00E+00	2.66E-07	4.91E-08	3.16E-07	4.87E-08	4.64E-08	7.26E-07
1627	495561.06	3858751.99	2.37E-03	2.40E-03	2.37E-03	8.20E-07	2.48E-06	1.43E-06	1.43E-06	1.32E-06	6.01E-07	5.93E-07	0.00E+00	0.00E+00	2.64E-07	4.86E-08	3.13E-07	4.82E-08	4.59E-08	7.19E-07
1628	495611.06	3858751.99	2.34E-03	2.38E-03	2.34E-03	8.12E-07	2.45E-06	1.42E-06	1.42E-06	1.30E-06	5.95E-07	5.87E-07	0.00E+00	0.00E+00	2.61E-07	4.82E-08	3.10E-07	4.78E-08	4.54E-08	7.12E-07
1629	495661.06	3858751.99	2.33E-03	2.36E-03	2.32E-03	8.05E-07	2.43E-06	1.41E-06	1.41E-06	1.29E-06	5.90E-07	5.82E-07	0.00E+00	0.00E+00	2.59E-07	4.78E-08	3.07E-07	4.74E-08	4.51E-08	7.06E-07
1630	494311.06	3858801.99	3.01E-03	3.05E-03	3.03E-03	1.04E-06	3.15E-06	1.82E-06	1.82E-06	1.67E-06	7.63E-07	7.57E-07	0.00E+00	0.00E+00	3.35E-07	6.19E-08	3.98E-07	6.13E-08	5.86E-08	9.15E-07
1631	494361.06	3858801.99	3.18E-03	3.22E-03	3.19E-03	1.10E-06	3.32E-06	1.92E-06	1.92E-06	1.77E-06	8.06E-07	7.98E-07	0.00E+00	0.00E+00	3.54E-07	6.53E-08	4.20E-07	6.47E-08	6.18E-08	9.65E-07
1632	494411.06	3858801.99	3.21E-03	3.25E-03	3.22E-03	1.11E-06	3.36E-06	1.94E-06	1.94E-06	1.78E-06	8.14E-07	8.06E-07	0.00E+00	0.00E+00	3.57E-07	6.59E-08	4.24E-07	6.54E-08	6.24E-08	9.75E-07
1633	494461.06	3858801.99	3.22E-03	3.26E-03	3.23E-03	1.11E-06	3.36E-06	1.95E-06	1.95E-06	1.79E-06	8.16E-07	8.08E-07	0.00E+00	0.00E+00	3.58E-07	6.61E-08	4.25E-07	6.55E-08	6.25E-08	9.77E-07
1634	494511.06	3858801.99	3.21E-03	3.25E-03	3.22E-03	1.11E-06	3.36E-06	1.94E-06	1.94E-06	1.78E-06	8.14E-07	8.06E-07	0.00E+00	0.00E+00	3.57E-07	6.59E-08	4.24E-07	6.54E-08	6.24E-08	9.75E-07
1635	494561.06	3858801.99	3.19E-03	3.23E-03	3.20E-03	1.10E-06	3.33E-06	1.93E-06	1.93E-06	1.77E-06	8.08E-07	8.00E-07	0.00E+00	0.00E+00	3.55E-07	6.55E-08	4.21E-07	6.49E-08	6.19E-08	9.68E-07
1636	494611.06	3858801.99	3.15E-03	3.19E-03	3.16E-03	1.09E-06	3.29E-06	1.91E-06	1.91E-06	1.75E-06	7.99E-07	7.91E-07	0.00E+00	0.00E+00	3.51E-07	6.47E-08	4.16E-07	6.42E-08	6.12E-08	9.57E-07
1637	494661.06	3858801.99	3.10E-03	3.14E-03	3.10E-03	1.07E-06	3.24E-06	1.87E-06	1.87E-06	1.72E-06	7.85E-07	7.77E-07	0.00E+00	0.00E+00	3.45E-07	6.36E-08	4.09E-07	6.30E-08	6.01E-08	9.40E-07
1638	494711.06	3858801.99	3.03E-03	3.07E-03	3.04E-03	1.05E-06	3.17E-06	1.83E-06	1.83E-06	1.69E-06	7.69E-07	7.61E-07	0.00E+00	0.00E+00	3.38E-07	6.23E-08	4.00E-07	6.17E-08	5.89E-08	9.21E-07
1639	494761.06	3858801.99	2.96E-03	3.00E-03	2.97E-03	1.02E-06	3.09E-06	1.79E-06	1.79E-06	1.64E-06	7.51E-07	7.42E-07	0.00E+00	0.00E+00	3.29E-07	6.08E-08	3.91E-07	6.03E-08	5.75E-08	8.99E-07
1640	494811.06	3858801.99	2.89E-03	2.92E-03	2.89E-03	9.99E-07	3.02E-06	1.75E-06	1.75E-06	1.60E-06	7.32E-07	7.24E-07	0.00E+00	0.00E+00	3.21E-07	5.93E-08	3.81E-07	5.88E-08	5.61E-08	8.77E-07
1641	494861.06	3858801.99	2.84E-03	2.88E-03	2.85E-03	9.85E-07	2.97E-06	1.72E-06	1.72E-06	1.58E-06	7.21E-07	7.13E-07	0.00E+00	0.00E+00	3.17E-07	5.84E-08	3.76E-07	5.79E-08	5.52E-08	8.64E-07
1642	494911.06	3858801.99	2.79E-03	2.82E-03	2.79E-03	9.65E-07	2.91E-06	1.69E-06	1.69E-06	1.55E-06	7.06E-07	6.99E-07	0.00E+00	0.00E+00	3.10E-07	5.72E-08	3.68E-07	5.67E-08	5.41E-08	8.46E-07
1643	494961.06	3858801.99	2.74E-03	2.78E-03	2.75E-03	9.49E-07	2.86E-06	1.66E-06	1.66E-06	1.52E-06	6.95E-07	6.87E-07	0.00E+00	0.00E+00	3.05E-07	5.63E-08	3.62E-07	5.58E-08	5.32E-08	8.32E-07
1644	495011.06	3858801.99	2.69E-03	2.73E-03	2.70E-03	9.33E-07	2.82E-06	1.63E-06	1.63E-06	1.50E-06	6.83E-07	6.76E-07	0.00E+00	0.00E+00	3.00E-07	5.53E-08	3.56E-07	5.49E-08	5.23E-08	8.18E-07
1645	495061.06	3858801.99	2.66E-03	2.70E-03	2.67E-03	9.22E-07	2.78E-06	1.61E-06	1.61E-06	1.48E-06	6.75E-07	6.68E-07	0.00E+00	0.00E+00	2.96E-07	5.47E-08	3.52E-07	5.42E-08	5.17E-08	8.09E-07
1646	495111.06	3858801.99	2.61E-03	2.64E-03	2.61E-03	9.02E-07	2.72E-06	1.58E-06	1.58E-06	1.45E-06	6.61E-07	6.53E-07	0.00E+00	0.00E+00	2.90E-07	5.35E-08	3.44E-07	5.30E-08	5.06E-08	7.91E-07
1647	495161.06	3858801.99	2.56E-03	2.60E-03	2.57E-03	8.87E-07	2.68E-06	1.55E-06	1.55E-06	1.42E-06	6.50E-07	6.42E-07	0.00E+00	0.00E+00	2.85E-07	5.26E-08	3.38E-07	5.22E-08	4.97E-08	7.78E-07
1648	495211.06	3858801.99	2.54E-03	2.57E-03	2.54E-03	8.78E-07	2.65E-06	1.53E-06	1.53E-06	1.41E-06	6.43E-07	6.36E-07	0.00E+00	0.00E+00	2.82E-07	5.21E-08	3.35E-07	5.16E-08	4.92E-08	7.70E-07
1649	495261.06	3858801.99	2.52E-03	2.55E-03	2.52E-03	8.72E-07	2.63E-06	1.52E-06	1.52E-06	1.40E-06	6.39E-07	6.32E-07	0.00E+00	0.00E+00	2.80E-07	5.17E-08	3.33E-07	5.13E-08	4.89E-08	7.65E-07
1650	495311.06	3858801.99	2.51E-03	2.54E-03	2.51E-03	8.69E-07	2.62E-06	1.52E-06	1.52E-06	1.39E-06	6.36E-07	6.29E-07	0.00E+00	0.00E+00	2.79E-07	5.15E-08	3.31E-07	5.11E-08	4.87E-08	7.62E-07
1651	495361.06	3858801.99	2.49E-03	2.52E-03	2.49E-03	8.62E-07	2.60E-06	1.51E-06	1.51E-06	1.38E-06	6.32E-07	6.24E-07	0.00E+00	0.00E+00	2.77E-07	5.12E-08	3.29E-07	5.07E-08	4.83E-08	7.56E-07
1652	495411.06	3858801.99	2.49E-03	2.52E-03	2.49E-03	8.62E-07	2.60E-06	1.51E-06	1.51E-06	1.38E-06	6.32E-07	6.24E-07	0.00E+00	0.00E+00	2.77E-07	5.11E-08	3.29E-07	5.07E-08	4.83E-08	7.56E-07
1653	495461.06	3858801.99	2.47E-03	2.50E-03	2.47E-03	8.55E-07	2.58E-06	1.50E-06	1.50E-06	1.37E-06	6.27E-07	6.19E-07	0.00E+00	0.00E+00	2.75E-07	5.08E-08	3.26E-07	5.03E-08	4.79E-08	7.51E-07
1654	495511.06	3858801.99	2.45E-03	2.48E-03	2.45E-03	8.47E-07	2.56E-06	1.48E-06	1.48E-06	1.36E-06	6.20E-07	6.13E-07	0.00E+00	0.00E+00	2.72E-07	5.02E-08	3.23E-07	4.98E-08	4.74E-08	7.43E-07
1655	495561.06	3858801.99	2.43E-03	2.46E-03	2.43E-03	8.39E-07	2.53E-06	1.47E-06	1.47E-06	1.35E-06	6.15E-07	6.07E-07	0.00E+00	0.00E+00	2.70E-07	4.98E-08	3.20E-07	4.94E-08	4.70E-08	7.36E-07
1656	495611.06	3858801.99	2.40E-03	2.43E-03	2.40E-03	8.29E-07	2.50E-06	1.45E-06	1.45E-06	1.33E-06	6.08E-07	6.00E-07	0.00E+00	0.00E+00	2.67E-07	4.92E-08	3.16E-07	4.88E-08	4.64E-08	7.28E-07
1657	495661.06	3858801.99	2.38E-03	2.41E-03	2.38E-03	8.24E-07	2.49E-06	1.44E-06	1.44E-06	1.32E-06	6.03E-07	5.96E-07	0.00E+00	0.00E+00	2.65E-07	4.89E-08	3.14E-07	4.85E-08	4.61E-08	7.22E-07
1658	494311.06	3858851.99	3.23E-03	3.27E-03	3.25E-03	1.12E-06	3.38E-06	1.96E-06	1.96E-06	1.80E-06	8.19E-07	8.13E-07	0.00E+00	0.00E+00	3.60E-07	6.64E-08	4.27E-07	6.58E-08	6.29E-08	9.82E-07
1659	494361.06	3858851.99	3.33E-03	3.37E-03	3.34E-03	1.15E-06	3.48E-06	2.01E-06	2.01E-06	1.85E-06	8.44E-07	8.37E-07	0.00E+00	0.00E+00	3.71E-07	6.84E-08	4.39E-07	6.77E-08	6.48E-08	1.01E-06
1660	494411.06	3858851.99	3.31E-03	3.35E-03	3.32E-03	1.15E-06	3.46E-06	2.00E-06	2.00E-06	1.84E-06	8.39E-07	8.32E-07	0.00E+00	0.00E+00	3.68E-07	6.80E-08	4.37E-07	6.74E-08	6.44E-08	1.01E-06
1661	494461.06	3858851.99	3.30E-03	3.35E-03	3.32E-03	1.14E-06	3.45E-06	2.00E-06	2.00E-06	1.83E-06	8.37E-07	8.30E-07	0.00E+00	0.00E+00	3.68E-07	6.78E-08	4.36E-07	6.72E-08	6.43E-08	1.00E-06
1662	494511.06	3858851.99	3.28E-03	3.32E-03	3.29E-03	1.14E-06	3.43E-06	1.99E-06	1.99E-06	1.82E-06	8.32E-07	8.24E-07	0.00E+00	0.00E+00	3.65E-07	6.74E-08	4.33E-07	6.68E-08	6.38E-08	9.96E-07
1663	494561.06	3858851.99	3.25E-03	3.29E-03	3.26E-03	1.13E-06	3.40E-06	1.97E-06	1.97E-06	1.81E-06	8.25E-07	8.17E-07	0.00E+00	0.00E+00	3.62E-07	6.68E-08	4.29E-07	6.62E-08	6.33E-08	9.88E-07
1664	494611.06	3858851.99	3.21E-03	3.25E-03	3.22E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.78E-06	8.13E-07	8.06E-07	0.00E+00	0.00E+00	3.57E-07	6.59E-08	4.23E-07	6.53E-08	6.24E-08	9.74E-07
1665	494661.06	3858851.99	3.15E-03	3.19E-03	3.16E-03	1.09E-06	3.30E-06	1.91E-06	1.91E-06	1.75E-06	8.00E-07	7.92E-07	0.00E+00	0.00E+00	3.51E-07	6.48E-08	4.16E-07	6.42E-08	6.13E-08	9.58E-07
1666	494711.06	3858851.99	3.08E-03	3.12E-03	3.09E-03	1.07E-06	3.22E-06	1.86E-06	1.86E-06	1.71E-06	7.80E-07	7.73E-07	0.00E+00	0.00E+00	3.43E-07	6.32E-08	4.06E-07	6.27E-08	5.98E-08	9.35E-07
1667	494761.06	3858851.99	3.01E-03	3.05E-03	3.02E-03	1.04E-06	3.14E-06	1.82E-06	1.82E-06	1.67E-06	7.62E-07	7.55E-07	0.00E+00	0.00E+00	3.35E-07	6.18E-08	3.97E-07	6.12E-08	5.84E-08	9.13E-07
1668	494811.06	3858851.99	2.95E-03	2.99E-03	2.96E-03	1.02E-06	3.08E-06	1.78E-06	1.78E-06	1.64E-06	7.47E-07	7.40E-07	0.00E+00	0.00E+00	3.28E-07	6.05E-08	3.89E-07	6.00E-08	5.73E-08	8.95E-07
1669	494861.06	3858851.99	2.91E-03	2.94E-03	2.91E-03	1.01E-06	3.04E-06	1.76E-06	1.76E-06	1.61E-06	7.37E-07	7.29E-07	0.00E+00	0.00E+00	3.24E-07	5.97E-08	3.84E-07	5.92E-08	5.65E-08	8.82E-07
1670	494911.06	3858851.99	2.85E-03	2.89E-03	2.86E-03	9.87E-07	2.98E-06	1.73E-06	1.73E-06	1.58E-06	7.23E-07	7.15E-07	0.00E+00	0.00E+00	3.17E-07	5.86E-08	3.76E-07	5.80E-08	5.54E-08	8.66E-07
1671	494961.06	3858851.99	2.80E-03	2.84E-03	2.81E-03	9.70E-07	2.93E-06	1.70E-06	1.70E-06	1.56E-06	7.11E-07	7.03E-07	0.00E+00	0.00E+00	3.12E-07	5.76E-08	3.70E-07	5.71E-08	5.45E-08	8.51E-07
1672	495011.06	3858851.99	2.76E-03	2.80E-03	2.77E-03	9.56E-07	2.89E-06	1.67E-06	1.67E-06	1.54E-06	7.00E-07	6.93E-07	0.00E+00	0.00E+00	3.08E-07	5.67E-08	3.65E-07	5.62E-08	5.37E-08	8.39E-07
1673	495061.06	3858851.99	2.72E-03	2.75E-03	2.72E-03	9.41E-07	2.84E-06	1.64E-06	1.64E-06	1.51E-06	6.89E-07	6.82E-07	0.00E+00	0.00E+00	3.02E-07	5.58E-08	3.59E-07	5.53E-08	5.28E-08	8.25E-07

1674	495111.06	3858851.99	2.64E-03	2.67E-03	2.65E-03	9.14E-07	2.76E-06	1.60E-06	1.60E-06	1.47E-06	6.69E-07	6.62E-07	0.00E+00	0.00E+00	2.94E-07	5.42E-08	3.49E-07	5.38E-08	5.13E-08	8.02E-07
1675	495161.06	3858851.99	2.60E-03	2.63E-03	2.60E-03	8.99E-07	2.72E-06	1.57E-06	1.57E-06	1.44E-06	6.59E-07	6.52E-07	0.00E+00	0.00E+00	2.89E-07	5.34E-08	3.43E-07	5.29E-08	5.05E-08	7.89E-07
1676	495211.06	3858851.99	2.59E-03	2.63E-03	2.60E-03	8.97E-07	2.71E-06	1.57E-06	1.57E-06	1.44E-06	6.57E-07	6.50E-07	0.00E+00	0.00E+00	2.89E-07	5.32E-08	3.42E-07	5.28E-08	5.03E-08	7.87E-07
1677	495261.06	3858851.99	2.58E-03	2.61E-03	2.58E-03	8.92E-07	2.69E-06	1.56E-06	1.56E-06	1.43E-06	6.53E-07	6.46E-07	0.00E+00	0.00E+00	2.87E-07	5.29E-08	3.40E-07	5.24E-08	5.00E-08	7.82E-07
1678	495311.06	3858851.99	2.57E-03	2.60E-03	2.57E-03	8.89E-07	2.68E-06	1.55E-06	1.55E-06	1.43E-06	6.51E-07	6.44E-07	0.00E+00	0.00E+00	2.86E-07	5.27E-08	3.39E-07	5.23E-08	4.98E-08	7.79E-07
1679	495361.06	3858851.99	2.55E-03	2.59E-03	2.56E-03	8.84E-07	2.67E-06	1.54E-06	1.54E-06	1.42E-06	6.47E-07	6.40E-07	0.00E+00	0.00E+00	2.84E-07	5.24E-08	3.37E-07	5.20E-08	4.95E-08	7.75E-07
1680	495411.06	3858851.99	2.54E-03	2.57E-03	2.54E-03	8.79E-07	2.65E-06	1.54E-06	1.54E-06	1.41E-06	6.44E-07	6.36E-07	0.00E+00	0.00E+00	2.83E-07	5.21E-08	3.35E-07	5.17E-08	4.93E-08	7.71E-07
1681	495461.06	3858851.99	2.53E-03	2.56E-03	2.53E-03	8.75E-07	2.64E-06	1.53E-06	1.53E-06	1.40E-06	6.41E-07	6.33E-07	0.00E+00	0.00E+00	2.81E-07	5.19E-08	3.34E-07	5.15E-08	4.90E-08	7.67E-07
1682	495511.06	3858851.99	2.51E-03	2.54E-03	2.51E-03	8.68E-07	2.62E-06	1.52E-06	1.52E-06	1.39E-06	6.36E-07	6.28E-07	0.00E+00	0.00E+00	2.79E-07	5.15E-08	3.31E-07	5.11E-08	4.86E-08	7.61E-07
1683	495561.06	3858851.99	2.47E-03	2.50E-03	2.47E-03	8.55E-07	2.58E-06	1.49E-06	1.49E-06	1.37E-06	6.26E-07	6.19E-07	0.00E+00	0.00E+00	2.75E-07	5.07E-08	3.26E-07	5.03E-08	4.79E-08	7.50E-07
1684	495611.06	3858851.99	2.44E-03	2.47E-03	2.44E-03	8.44E-07	2.55E-06	1.48E-06	1.48E-06	1.36E-06	6.18E-07	6.11E-07	0.00E+00	0.00E+00	2.71E-07	5.01E-08	3.22E-07	4.97E-08	4.73E-08	7.40E-07
1685	495661.06	3858851.99	2.43E-03	2.46E-03	2.43E-03	8.40E-07	2.54E-06	1.47E-06	1.47E-06	1.35E-06	6.15E-07	6.08E-07	0.00E+00	0.00E+00	2.70E-07	4.98E-08	3.20E-07	4.94E-08	4.71E-08	7.37E-07
1686	494311.06	3858901.99	3.34E-03	3.38E-03	3.36E-03	1.16E-06	3.49E-06	2.02E-06	2.02E-06	1.86E-06	8.47E-07	8.41E-07	0.00E+00	0.00E+00	3.72E-07	6.86E-08	4.41E-07	6.80E-08	6.51E-08	1.01E-06
1687	494361.06	3858901.99	3.41E-03	3.45E-03	3.43E-03	1.18E-06	3.57E-06	2.06E-06	2.06E-06	1.89E-06	8.64E-07	8.58E-07	0.00E+00	0.00E+00	3.80E-07	7.01E-08	4.50E-07	6.94E-08	6.64E-08	1.04E-06
1688	494411.06	3858901.99	3.41E-03	3.45E-03	3.42E-03	1.18E-06	3.56E-06	2.06E-06	2.06E-06	1.89E-06	8.63E-07	8.57E-07	0.00E+00	0.00E+00	3.79E-07	7.00E-08	4.49E-07	6.93E-08	6.63E-08	1.03E-06
1689	494461.06	3858901.99	3.39E-03	3.44E-03	3.41E-03	1.17E-06	3.55E-06	2.05E-06	2.05E-06	1.88E-06	8.60E-07	8.54E-07	0.00E+00	0.00E+00	3.78E-07	6.97E-08	4.48E-07	6.91E-08	6.61E-08	1.03E-06
1690	494511.06	3858901.99	3.38E-03	3.42E-03	3.39E-03	1.17E-06	3.53E-06	2.04E-06	2.04E-06	1.88E-06	8.56E-07	8.50E-07	0.00E+00	0.00E+00	3.76E-07	6.94E-08	4.46E-07	6.88E-08	6.58E-08	1.03E-06
1691	494561.06	3858901.99	3.33E-03	3.37E-03	3.35E-03	1.15E-06	3.48E-06	2.02E-06	2.02E-06	1.85E-06	8.44E-07	8.37E-07	0.00E+00	0.00E+00	3.71E-07	6.84E-08	4.40E-07	6.78E-08	6.48E-08	1.01E-06
1692	494611.06	3858901.99	3.25E-03	3.30E-03	3.27E-03	1.13E-06	3.40E-06	1.97E-06	1.97E-06	1.81E-06	8.25E-07	8.18E-07	0.00E+00	0.00E+00	3.62E-07	6.68E-08	4.29E-07	6.62E-08	6.33E-08	9.88E-07
1693	494661.06	3858901.99	3.21E-03	3.25E-03	3.22E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.78E-06	8.13E-07	8.07E-07	0.00E+00	0.00E+00	3.57E-07	6.59E-08	4.24E-07	6.53E-08	6.24E-08	9.74E-07
1694	494711.06	3858901.99	3.14E-03	3.18E-03	3.15E-03	1.09E-06	3.28E-06	1.90E-06	1.90E-06	1.74E-06	7.96E-07	7.89E-07	0.00E+00	0.00E+00	3.49E-07	6.45E-08	4.14E-07	6.39E-08	6.11E-08	9.53E-07
1695	494761.06	3858901.99	3.06E-03	3.10E-03	3.07E-03	1.06E-06	3.20E-06	1.85E-06	1.85E-06	1.70E-06	7.75E-07	7.68E-07	0.00E+00	0.00E+00	3.40E-07	6.28E-08	4.04E-07	6.22E-08	5.95E-08	9.29E-07
1696	494811.06	3858901.99	3.01E-03	3.05E-03	3.02E-03	1.04E-06	3.14E-06	1.82E-06	1.82E-06	1.67E-06	7.63E-07	7.56E-07	0.00E+00	0.00E+00	3.35E-07	6.18E-08	3.97E-07	6.12E-08	5.85E-08	9.14E-07
1697	494861.06	3858901.99	2.97E-03	3.01E-03	2.98E-03	1.03E-06	3.10E-06	1.80E-06	1.80E-06	1.65E-06	7.53E-07	7.46E-07	0.00E+00	0.00E+00	3.31E-07	6.10E-08	3.92E-07	6.04E-08	5.78E-08	9.02E-07
1698	494911.06	3858901.99	2.89E-03	2.93E-03	2.90E-03	1.00E-06	3.02E-06	1.75E-06	1.75E-06	1.61E-06	7.33E-07	7.27E-07	0.00E+00	0.00E+00	3.22E-07	5.94E-08	3.82E-07	5.89E-08	5.63E-08	8.78E-07
1699	494961.06	3858901.99	2.85E-03	2.89E-03	2.86E-03	9.86E-07	2.98E-06	1.72E-06	1.72E-06	1.58E-06	7.22E-07	7.16E-07	0.00E+00	0.00E+00	3.17E-07	5.85E-08	3.76E-07	5.80E-08	5.54E-08	8.65E-07
1700	495011.06	3858901.99	2.81E-03	2.84E-03	2.82E-03	9.71E-07	2.93E-06	1.70E-06	1.70E-06	1.56E-06	7.11E-07	7.05E-07	0.00E+00	0.00E+00	3.12E-07	5.76E-08	3.70E-07	5.71E-08	5.46E-08	8.52E-07
1701	495061.06	3858901.99	2.75E-03	2.78E-03	2.76E-03	9.51E-07	2.87E-06	1.66E-06	1.66E-06	1.53E-06	6.96E-07	6.90E-07	0.00E+00	0.00E+00	3.06E-07	5.64E-08	3.63E-07	5.59E-08	5.34E-08	8.34E-07
1702	495111.06	3858901.99	2.67E-03	2.70E-03	2.68E-03	9.24E-07	2.79E-06	1.61E-06	1.61E-06	1.48E-06	6.76E-07	6.70E-07	0.00E+00	0.00E+00	2.97E-07	5.48E-08	3.52E-07	5.43E-08	5.19E-08	8.10E-07
1703	495161.06	3858901.99	2.64E-03	2.67E-03	2.65E-03	9.14E-07	2.76E-06	1.60E-06	1.60E-06	1.47E-06	6.69E-07	6.63E-07	0.00E+00	0.00E+00	2.94E-07	5.42E-08	3.49E-07	5.37E-08	5.13E-08	8.02E-07
1704	495211.06	3858901.99	2.65E-03	2.68E-03	2.65E-03	9.16E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.71E-07	6.64E-07	0.00E+00	0.00E+00	2.95E-07	5.43E-08	3.49E-07	5.39E-08	5.14E-08	8.04E-07
1705	495261.06	3858901.99	2.63E-03	2.67E-03	2.64E-03	9.12E-07	2.75E-06	1.59E-06	1.59E-06	1.46E-06	6.68E-07	6.61E-07	0.00E+00	0.00E+00	2.93E-07	5.41E-08	3.48E-07	5.36E-08	5.12E-08	8.00E-07
1706	495311.06	3858901.99	2.62E-03	2.65E-03	2.62E-03	9.06E-07	2.74E-06	1.58E-06	1.58E-06	1.45E-06	6.64E-07	6.57E-07	0.00E+00	0.00E+00	2.91E-07	5.37E-08	3.46E-07	5.33E-08	5.08E-08	7.95E-07
1707	495361.06	3858901.99	2.60E-03	2.64E-03	2.61E-03	9.01E-07	2.72E-06	1.57E-06	1.57E-06	1.45E-06	6.60E-07	6.53E-07	0.00E+00	0.00E+00	2.90E-07	5.34E-08	3.43E-07	5.30E-08	5.05E-08	7.90E-07
1708	495411.06	3858901.99	2.60E-03	2.63E-03	2.60E-03	8.99E-07	2.71E-06	1.57E-06	1.57E-06	1.44E-06	6.58E-07	6.51E-07	0.00E+00	0.00E+00	2.89E-07	5.33E-08	3.43E-07	5.29E-08	5.04E-08	7.88E-07
1709	495461.06	3858901.99	2.57E-03	2.61E-03	2.58E-03	8.91E-07	2.69E-06	1.56E-06	1.56E-06	1.43E-06	6.53E-07	6.46E-07	0.00E+00	0.00E+00	2.87E-07	5.29E-08	3.40E-07	5.24E-08	5.00E-08	7.82E-07
1710	495511.06	3858901.99	2.55E-03	2.58E-03	2.55E-03	8.81E-07	2.66E-06	1.54E-06	1.54E-06	1.41E-06	6.45E-07	6.38E-07	0.00E+00	0.00E+00	2.83E-07	5.23E-08	3.36E-07	5.18E-08	4.94E-08	7.73E-07
1711	495561.06	3858901.99	2.52E-03	2.55E-03	2.52E-03	8.72E-07	2.63E-06	1.52E-06	1.52E-06	1.40E-06	6.39E-07	6.32E-07	0.00E+00	0.00E+00	2.81E-07	5.18E-08	3.33E-07	5.13E-08	4.89E-08	7.65E-07
1712	495611.06	3858901.99	2.49E-03	2.52E-03	2.49E-03	8.61E-07	2.60E-06	1.51E-06	1.51E-06	1.38E-06	6.31E-07	6.24E-07	0.00E+00	0.00E+00	2.77E-07	5.11E-08	3.29E-07	5.07E-08	4.83E-08	7.56E-07
1713	495661.06	3858901.99	2.48E-03	2.51E-03	2.48E-03	8.58E-07	2.59E-06	1.50E-06	1.50E-06	1.38E-06	6.29E-07	6.21E-07	0.00E+00	0.00E+00	2.76E-07	5.09E-08	3.27E-07	5.05E-08	4.81E-08	7.53E-07
1714	494311.06	3858951.99	3.50E-03	3.54E-03	3.52E-03	1.21E-06	3.66E-06	2.12E-06	2.12E-06	1.94E-06	8.86E-07	8.81E-07	0.00E+00	0.00E+00	3.90E-07	7.19E-08	4.62E-07	7.12E-08	6.82E-08	1.06E-06
1715	494361.06	3858951.99	3.52E-03	3.56E-03	3.54E-03	1.22E-06	3.68E-06	2.13E-06	2.13E-06	1.95E-06	8.91E-07	8.86E-07	0.00E+00	0.00E+00	3.92E-07	7.23E-08	4.64E-07	7.16E-08	6.86E-08	1.07E-06
1716	494411.06	3858951.99	3.48E-03	3.52E-03	3.50E-03	1.20E-06	3.64E-06	2.11E-06	2.11E-06	1.93E-06	8.82E-07	8.76E-07	0.00E+00	0.00E+00	3.87E-07	7.15E-08	4.59E-07	7.08E-08	6.79E-08	1.06E-06
1717	494461.06	3858951.99	3.47E-03	3.51E-03	3.49E-03	1.20E-06	3.63E-06	2.10E-06	2.10E-06	1.93E-06	8.79E-07	8.74E-07	0.00E+00	0.00E+00	3.86E-07	7.13E-08	4.58E-07	7.06E-08	6.77E-08	1.05E-06
1718	494511.06	3858951.99	3.44E-03	3.48E-03	3.46E-03	1.19E-06	3.60E-06	2.08E-06	2.08E-06	1.91E-06	8.72E-07	8.66E-07	0.00E+00	0.00E+00	3.83E-07	7.07E-08	4.54E-07	7.00E-08	6.71E-08	1.05E-06
1719	494561.06	3858951.99	3.39E-03	3.44E-03	3.41E-03	1.18E-06	3.55E-06	2.05E-06	2.05E-06	1.89E-06	8.60E-07	8.54E-07	0.00E+00	0.00E+00	3.78E-07	6.97E-08	4.48E-07	6.91E-08	6.61E-08	1.03E-06
1720	494611.06	3858951.99	3.33E-03	3.37E-03	3.35E-03	1.15E-06	3.48E-06	2.01E-06	2.01E-06	1.85E-06	8.43E-07	8.37E-07	0.00E+00	0.00E+00	3.70E-07	6.84E-08	4.39E-07	6.77E-08	6.48E-08	1.01E-06
1721	494661.06	3858951.99	3.27E-03	3.31E-03	3.28E-03	1.13E-06	3.41E-06	1.98E-06	1.98E-06	1.81E-06	8.27E-07	8.21E-07	0.00E+00	0.00E+00	3.64E-07	6.71E-08	4.31E-07	6.64E-08	6.36E-08	9.91E-07
1722	494711.06	3858951.99	3.18E-03	3.22E-03	3.20E-03	1.10E-06	3.33E-06	1.93E-06	1.93E-06	1.77E-06	8.06E-07	8.00E-07	0.00E+00	0.00E+00	3.54E-07	6.54E-08	4.20E-07	6.47E-08	6.20E-08	9.66E-07
1723	494761.06	3858951.99	3.12E-03	3.16E-03	3.13E-03	1.08E-06	3.26E-06	1.89E-06	1.89E-06	1.73E-06	7.91E-07	7.84E-07	0.00E+00	0.00E+00	3.47E-07	6.41E-08	4.12E-07	6.35E-08	6.07E-08	9.47E-07
1724	494811.06	3858951.99	3.08E-03	3.11E-03	3.09E-03	1.06E-06	3.21E-06	1.86E-06	1.86E-06	1.71E-06	7.79E-07	7.73E-07	0.00E+00	0.00E+00	3.42E-07	6.32E-08	4.06E-07	6.26E-08	5.99E-08	9.34E-07
1725	494861.06	3858951.99	3.03E-03	3.07E-03	3.04E-03	1.05E-06	3.17E-06	1.83E-06	1.83E-06	1.68E-06	7.68E-07	7.62E-07	0.00E+00	0.00E+00	3.37E-07	6.22E-08	4.00E-07	6.17E-08	5.90E-08	9.20E-07
1726	494911.06	3858951.99	2.97E-03	3.01E-03	2.98E-03	1.03E-06	3.10E-06	1.80E-06	1.80E-06	1.65E-06	7.52E-07	7.46E-07	0.00E+00	0.00E+00	3.30E-07	6.10E-08	3.92E-07	6.04E-08	5.78E-08	9.01E-07
1727	494961.06	3858951.99	2.93E-03	2.97E-03	2.95E-03	1.02E-06	3.07E-06	1.78E-06	1.78E-06	1.63E-06	7.44E-07	7.37E-07	0.00E+00	0.00E+00	3.27E-07	6.03E-08	3.87E-07	5.97E-08	5.71E-08	8.91E-07
1728	495011.06	3858951.99	2.84E-03	2.88E-03	2.86E-03	9.84E-07	2.97E-06	1.72E-06	1.72E-06	1.58E-06	7.21E-07	7.15E-07	0.00E+00	0.00E+00	3.17E-07	5.84E-08	3.75E-07	5.79E-08	5.53E-08	8.64E-07
1729	495061.06	3858951.99	2.76E-03	2.80E-03	2.77E-03	9.55E-07	2.88E-06	1.67E-06	1.67E-06	1.53E-06	7.00E-07	6.94E-07	0.00E+00	0.00E+00	3.07E-07	5.67E-08	3.64E-07	5.62E-08	5.37E-08	8.38E-07
1730	495111.06	3858951.99	2.70E-03	2.73E-03	2.71E-03	9.33E-07	2.82E-06	1.63E-06	1.63E-06	1.50E-06	6.83E-07	6.78E-07	0.00E+00	0.00E+00	3.00E-07	5.54E-08	3.56E-07	5.49E-08	5.25E-08	8.19E-07
1731	495161.06	3858951.99	2.71E-03	2.75E-03	2.72E-03	9.39E-07	2.84E-06	1.64E-06	1.64E-06	1.51E-06	6.88E-07	6.82E-07	0.00E+00	0.00E+00	3.02E-07	5.57E-08	3.58E-07	5.52E-08	5.28E-08	8.24E-07
1732	495211.06	3858951.99	2.70E-03	2.74E-03	2.71E-03	9.36E-07	2.83E-06	1.64E-06	1.64E-06	1.50E-06	6.85E-07	6.79E-07	0.00E+00	0.00E+00	3.01E-07	5.55E-08	3.57E-07	5.50E-08	5.26E-08	8.21E-07
1733	495261.06	3858951.99	2.69E-03	2.73E-03	2.70E-03	9.32E-07	2.81E-06	1.63E-06	1.63E-06	1.50E-06	6.82E-07	6.76E-07	0.00E+00	0.00E+00	3.00E-07	5.53E-08	3.55E-07	5.48E-08	5.23E-08	8.17E-07
1734	495311.06	3858951.99	2.66E-03	2.69E-03	2.67E-03	9.20E-07	2.78E-06	1.61E-06	1.61E-06	1.48E-06	6.74E-07	6.67E-07	0.00E+00	0.00E+00	2.96E-07	5.46E-08	3.51E-07	5.41E-08	5.17E-08	8.07E-07
1735	495361.06	3858951.99	2.65E-03	2.68E-03	2.66E-03	9.17E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.72E-07	6.65E-07	0.00E+00	0.00E+00	2.95E-07	5.44E-08	3.50E-07	5.39E-08	5.15E-08	8.05E-07
1736	495411.06	3858951.99	2.65E-03	2.68E-03	2.65E-03	9.16E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.71E-07	6.64E-07	0.00E+00	0.00E+00	2.95E-07	5.43E-08	3.49E-07	5.39E-08	5.14E-08	8.03E-07
1737	495461.06	3858951.99	2.63E-03	2.66E-03	2.63E-03	9.10E-07	2.75E-06	1.59E-06	1.59E-06	1.46E-06	6.66E-07	6.59E-07	0.00E+00	0.00E+00	2.92E-07	5.40E-08	3.47E-07	5.35E-08	5.11E-08	7.98E-07
1738	495511.06	3858951.99	2.62E-03	2.65E-03	2.62E-03	9.06E-07	2.74E-06	1.58E-06	1.58E-06	1.46E-06	6.64E-07	6.57E-07	0.00E+00	0.00E+00	2.91E-07	5.38E-08	3.46E-07	5.33E-08	5.09E-08	7.95E-07
1739	495561.06	3858951.99	2.57E-03	2.61E-03	2.58E-03	8.90E-07	2.69E-06	1.56E-06	1.56E-06	1.43E-06	6.52E-07	6.45E-07	0.00E+00	0.00E+00	2.86E-07	5.28E-08	3.40E-07	5.24E-08	5.00E-08	7.81E-07
1740	495611.06	3858951.99	2.54E-03	2.58E-03	2.55E-03	8.80E-07	2.66E-06	1.54E-06	1.54E-06	1.41E-06	6.45E-07	6.38E-07	0.00E+00	0.00E+00	2.83E-07	5.22E-08	3.36E-07	5.18E-08	4.94E-08	7.72E-07
1741	495661.06	3858951.99	2.53E-03	2.57E-03	2.54E-03	8.77E-07	2.65E-06	1.53E-06	1.53E-06	1.41E-06	6.43E-07	6.36E-07	0.00E+00	0.00E+00	2.82E-07	5.21E-08	3.35E-07	5.16E-08	4.92E-08	7.70E-07
1742	494311.06	3859001.99	3.62E-03	3.66E-03	3.64E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	2.01E-06	9.16E-07	9.12E-07	0.00E+00	0.00E+00	4.03E-07	7.43E-08	4.77E-07	7.36E-08	7.06E-08	1.10E-06
1743	494361.06	3859001.99	3.60E-03	3.64E-03	3.62E-03	1.25E-06	3.76E-06	2.18E-06	2.18E-06	2.00E-06	9.11E-07	9.07E-07	0.00E+00	0.00E+00	4.01E-07	7.39E-08	4.75E-07	7.32E-08	7.02E-08	1.09E-06
1744	494411.06	3859001.99	3.57E-03	3.62E-03	3.60E-03	1.24E-06	3.74E-06	2.16E-06	2.16E-06	1.98E-06	9.05E-07	9.01E-07	0.00E+00	0.00E+00	3.98E-07	7.34E-08	4.71E-07	7.27E-08	6.97E-08	1.08E-06
1745	494461.06	3859001.99	3.55E-03	3.59E-03	3.57E-03	1.23E-06	3.71E-06	2.15E-06	2.15E-06	1.97E-06	8.98E-07	8.93E-07	0.00E+00	0.00E+00	3.95E-07	7.28E-08	4.68E-07	7.21E-08	6.92E-08	1.08E-06
1746	494511.06	3859001.99	3.52E-03	3.56E-03	3.54E-03	1.22E-06	3.68E-06	2.13E-06	2.13E-06	1.95E-06	8.91E-07	8.86E-07	0.00E+00	0.00E+00	3.91E-07	7.22E-08	4.64E-07	7.15E-08	6.86E-08	1.07E-06
1747	494561.06	3859001.99	3.45E-03	3.49E-03	3.47E-03	1.19E-06	3.61E-06	2.09E-06	2.09E-06	1.92E-06	8.74E-07	8.69E-07	0.00E+00	0.00E+00	3.84E-07	7.09E-08	4.55E-07	7.02E-08	6.73E-08	1.05E-06
1748	494611.06	3859001.99	3.39E-03	3.43E-03	3.41E-03	1.17E-06	3.54E-06	2.05E-06	2.05E-06	1.88E-06	8.59E-07	8.53E-07	0.00E+00	0.00E+00	3.77E-07	6.96E-08	4.47E-07	6.89E-08	6.61E-08	1.03E-06
1749	494661.06	3859001.99	3.32E-03	3.36E-03	3.34E-03	1.15E-06	3.47E-06	2.01E-06	2.01E-06	1.84E-06	8.40E-07	8.35E-07	0.00E+00	0.00E+00	3.69E-07	6.81E-08	4.38E-07	6.75E-08	6.47E-08	1.01E-06
1750	494711.06	3859001.99	3.23E-03	3.27E-03	3.25E-03	1.12E-06	3.38E-06	1.96E-06	1.96E-06	1.79E-06	8.19E-07	8.13E-07	0.00E+00	0.00E+00	3.60E-07	6.64E-08	4.26E-07	6.57E-08	6.30E-08	9.81E-07
1751	494761.06	3859001.99	3.18E-03	3.22E-03	3.20E-03	1.10E-06	3.32E-06	1.92E-06	1.92E-06	1.77E-06	8.05E-07	8.00E-07	0.00E+00	0.00E+00	3.54E-07	6.53E-08	4.19E-07	6.47E-08	6.19E-08	9.65E-07
1752	494811.06	3859001.99	3.15E-03	3.18E-03	3.16E-03	1.09E-06	3.29E-06	1.90E-06	1.90E-06	1.75E-06	7.97E-07	7.91E-07	0.00E+00	0.00E+00	3.50E-07	6.46E-08	4.15E-07	6.40E-08	6.13E-08	9.55E-07
1753	494861.06	3859001.99	3.09E-03	3.13E-03	3.10E-03	1.07E-06	3.23E-06	1.87E-06	1.87E-06	1.72E-06	7.83E-07	7.77E-07	0.00E+00	0.00E+00	3.44E-07	6.34E-08	4.08E-07	6.29E-08	6.02E-08	9.38E-07
1754	494911.06	3859001.99	3.03E-03	3.07E-03	3.05E-03	1.05E-06	3.17E-06	1.83E-06	1.83E-06	1.68E-06	7.68E-07	7.62E-07	0.00E+00	0.00E+00	3.37E-07	6.22E-08	4.00E-07	6.17E-08	5.90E-08	9.20E-07
1755	494961.06	3859001.99	2.97E-03	3.01E-03	2.99E-03	1.03E-06	3.11E-06	1.80E-06	1.80E-06	1.65E-06	7.53E-07	7.47E-07	0.00E+00	0.00E+00	3.31E-07	6.10E-08	3.92E-07	6.05E-08	5.79E-08	9.02E-07
1756	495011.06	3859001.99	2.83E-03	2.87E-03	2.84E-03	9.80E-07	2.96E-06	1.71E-06	1.71E-06	1.57E-06	7.17E-07	7.12E-07	0.00E+00	0.00E+00	3.15E-07	5.81E-08	3.73E-07	5.76E-08	5.51E-08	8.59E-07
1757	495061.06	3859001.99	2.80E-03	2.83E-03	2.81E-03	9.68E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.09E-07	7.03E-07	0.00E+00	0.00E+00	3.11E-07	5.75E-08	3.69E-07	5.69E-08	5.45E-08	8.49E-07
1758	495111.06	3859001.99	2.74E-03	2.77E-03	2.75E-03	9.47E-07	2.86E-06	1.66E-06	1.66E-06	1.52E-06	6.93E-07	6.88E-07	0.00E+00	0.00E+00	3.04E-07	5.62E-08	3.61E-07	5.57E-08	5.33E-08	8.31E-07
1759	495161.06	3859001.99	2.77E-03	2.80E-03	2.78E-03	9.59E-07	2.90E-06	1.68E-06	1.68E-06	1.54E-06	7.02E-07	6.96E-07	0.00E+00	0.00E+00	3.08E-07	5.69E-08	3.66E-07	5.64E-08	5.39E-08	8.41E-07
1760	495211.06	3859001.99	2.75E-03	2.79E-03	2.76E-03	9.52E-07	2.88E-06	1.66E-06	1.66E-06	1.53E-06	6.97E-07	6.91E-07	0.00E+00	0.00E+00	3.06E-07	5.65E-08	3.63E-07	5.60E-08	5.35E-08	8.35E-07
1761	495261.06	3859001.99	2.74E-03	2.78E-03	2.75E-03	9.49E-07	2.87E-06	1.66E-06	1.66E-06	1.52E-06	6.95E-07	6.89E-07	0.00E+00	0.00E+00	3.05E-07	5.63E-08	3.62E-07	5.58E-08	5.34E-08	8.33E-07
1762	495311.06	3859001.99	2.72E-03	2.76E-03	2.73E-03	9.42E-07	2.84E-06	1.65E-06	1.65E-06	1.51E-06	6.90E-07	6.84E-07	0.00E+00	0.00E+00	3.03E-07	5.59E-08	3.59E-07	5.54E-08	5.29E-08	8.26E-07
1763	495361.06	3859001.99	2.71E-03	2.75E-03	2.72E-03	9.39E-07	2.83E-06	1.64E-06	1.64E-06	1.51E-06	6.87E-07	6.81E-07	0.00E+00	0.00E+00	3.02E-07	5.57E-08	3.58E-07	5.52E-08	5.27E-08	8.24E-07
1764	495411.06	3859001.99	2.70E-03	2.73E-03	2.71E-03	9.34E-07	2.82E-06	1.63E-06	1.63E-06	1.50E-06	6.84E-07	6.77E-07	0.00E+00	0.00E+00	3.00E-07	5.54E-08	3.56E-07	5.49E-08	5.24E-08	8.19E-07
1765	495461.06	3859001.99	2.68E-03	2.72E-03	2.69E-03	9.29E-07	2.81E-06	1.62E-06	1.62E-06	1.49E-06	6.81E-07	6.74E-07	0.00E+00	0.00E+00	2.99E-07	5.51E-08	3.54E-07	5.47E-08	5.22E-08	8.15E-07
1766	495511.06	3859001.99	2.65E-03	2.68E-03	2.65E-03	9.16E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.71E-07	6.64E-07	0.00E+00	0.00E+00	2.95E-07	5.44E-08	3.49E-07	5.39E-08	5.14E-08	8.04E-07
1767	495561.06	3859001.99	2.62E-03	2.66E-03	2.63E-03	9.08E-07	2.74E-06	1.59E-06	1.59E-06	1.46E-06	6.65E-07	6.58E-07	0.00E+00	0.00E+00	2.92E-07	5.38E-08	3.46E-07	5.34E-08	5.10E-08	7.96E-07
1768	495611.06	3859001.99	2.60E-03	2.63E-03	2.60E-03	8.98E-07	2.71E-06	1.57E-06	1.57E-06	1.44E-06	6.58E-07	6.51E-07	0.00E+00	0.00E+00	2.89E-07	5.33E-08	3.43E-07	5.28E-08	5.04E-08	7.88E-07
1769	495661.06	3859001.99	2.60E-03	2.64E-03	2.61E-03	9.01E-07	2.72E-06	1.57E-06	1.57E-06	1.45E-06	6.60E-07	6.53E-07	0.00E+00	0.00E+00	2.90E-07	5.34E-08	3.43E-07	5.30E-08	5.05E-08	7.90E-07
1770	494311.06	3859051.99	3.71E-03	3.75E-03	3.74E-03	1.28E-06	3.88E-06	2.25E-06	2.25E-06	2.06E-06	9.40E-07	9.36E-07	0.00E+00	0.00E+00	4.13E-07	7.62E-08	4.89E-07	7.55E-08	7.25E-08	1.13E-06
1771	494361.06	3859051.99	3.69E-03	3.74E-03	3.73E-03	1.28E-06	3.86E-06	2.24E-06	2.24E-06	2.05E-06	9.36E-07	9.32E-07	0.00E+00	0.00E+00	4.11E-07	7.59E-08	4.87E-07	7.51E-08	7.22E-08	1.12E-06
1772	494411.06	3859051.99	3.66E-03	3.70E-03	3.68E-03	1.27E-06	3.82E-06	2.21E-06	2.21E-06	2.03E-06	9.26E-07	9.22E-07	0.00E+00	0.00E+00	4.07E-07	7.51E-08	4.82E-07	7.43E-08	7.14E-08	1.11E-06
1773	494461.06	3859051.99	3.61E-03	3.65E-03	3.64E-03	1.25E-06	3.77E-06	2.18E-06	2.18E-06	2.00E-06	9.14E-07	9.10E-07	0.00E+00	0.00E+00	4.02E-07	7.41E-08	4.76E-07	7.34E-08	7.05E-08	1.10E-06
1774	494511.06	3859051.99	3.55E-03	3.59E-03	3.58E-03	1.23E-06	3.71E-06	2.15E-06	2.15E-06	1.97E-06	9.00E-07	8.96E-07	0.00E+00	0.00E+00	3.95E-07	7.30E-08	4.68E-07	7.22E-08	6.94E-08	1.08E-06
1775	494561.06	3859051.99	3.50E-03	3.55E-03	3.53E-03	1.21E-06	3.66E-06	2.12E-06	2.12E-06	1.94E-06	8.87E-07	8.83E-07	0.00E+00	0.00E+00	3.90E-07	7.19E-08	4.62E-07	7.12E-08	6.84E-08	1.06E-06
1776	494611.06	3859051.99	3.44E-03	3.48E-03	3.46E-03	1.19E-06	3.59E-06	2.08E-06	2.08E-06	1.91E-06	8.71E-07	8.67E-07	0.00E+00	0.00E+00	3.83E-07	7.06E-08	4.54E-07	7.00E-08	6.71E-08	1.04E-06
1777	494661.06	3859051.99	3.37E-03	3.41E-03	3.39E-03	1.17E-06	3.52E-06	2.04E-06	2.04E-06	1.87E-06	8.54E-07	8.50E-07	0.00E+00	0.00E+00	3.75E-07	6.92E-08	4.45E-07	6.86E-08	6.58E-08	1.02E-06
1778	494711.06	3859051.99	3.31E-03	3.35E-03	3.33E-03	1.15E-06	3.46E-06	2.00E-06	2.00E-06	1.84E-06	8.38E-07	8.33E-07	0.00E+00	0.00E+00	3.68E-07	6.79E-08	4.36E-07	6.73E-08	6.45E-08	1.00E-06

1779	494761.06	3859051.99	3.24E-03	3.28E-03	3.26E-03	1.12E-06	3.39E-06	1.96E-06	1.96E-06	1.80E-06	8.22E-07	8.17E-07	0.00E+00	0.00E+00	3.61E-07	6.66E-08	4.28E-07	6.60E-08	6.33E-08	9.85E-07
1780	494811.06	3859051.99	3.20E-03	3.24E-03	3.22E-03	1.11E-06	3.34E-06	1.93E-06	1.93E-06	1.77E-06	8.10E-07	8.05E-07	0.00E+00	0.00E+00	3.56E-07	6.56E-08	4.22E-07	6.50E-08	6.23E-08	9.70E-07
1781	494861.06	3859051.99	3.15E-03	3.19E-03	3.17E-03	1.09E-06	3.29E-06	1.90E-06	1.90E-06	1.75E-06	7.97E-07	7.92E-07	0.00E+00	0.00E+00	3.50E-07	6.46E-08	4.15E-07	6.40E-08	6.13E-08	9.55E-07
1782	494911.06	3859051.99	3.08E-03	3.11E-03	3.09E-03	1.07E-06	3.22E-06	1.86E-06	1.86E-06	1.71E-06	7.80E-07	7.74E-07	0.00E+00	0.00E+00	3.42E-07	6.32E-08	4.06E-07	6.26E-08	6.00E-08	9.34E-07
1783	494961.06	3859051.99	2.98E-03	3.01E-03	2.99E-03	1.03E-06	3.11E-06	1.80E-06	1.80E-06	1.65E-06	7.54E-07	7.49E-07	0.00E+00	0.00E+00	3.31E-07	6.11E-08	3.93E-07	6.06E-08	5.80E-08	9.04E-07
1784	495011.06	3859051.99	2.90E-03	2.94E-03	2.92E-03	1.00E-06	3.03E-06	1.76E-06	1.76E-06	1.61E-06	7.35E-07	7.30E-07	0.00E+00	0.00E+00	3.23E-07	5.96E-08	3.83E-07	5.91E-08	5.66E-08	8.81E-07
1785	495061.06	3859051.99	2.85E-03	2.89E-03	2.87E-03	9.87E-07	2.98E-06	1.73E-06	1.73E-06	1.58E-06	7.23E-07	7.18E-07	0.00E+00	0.00E+00	3.17E-07	5.86E-08	3.76E-07	5.80E-08	5.56E-08	8.66E-07
1786	495111.06	3859051.99	2.82E-03	2.86E-03	2.84E-03	9.77E-07	2.95E-06	1.71E-06	1.71E-06	1.57E-06	7.15E-07	7.10E-07	0.00E+00	0.00E+00	3.14E-07	5.79E-08	3.72E-07	5.74E-08	5.50E-08	8.57E-07
1787	495161.06	3859051.99	2.83E-03	2.87E-03	2.85E-03	9.81E-07	2.96E-06	1.71E-06	1.71E-06	1.57E-06	7.18E-07	7.13E-07	0.00E+00	0.00E+00	3.15E-07	5.82E-08	3.74E-07	5.77E-08	5.52E-08	8.60E-07
1788	495211.06	3859051.99	2.80E-03	2.83E-03	2.81E-03	9.69E-07	2.93E-06	1.69E-06	1.69E-06	1.55E-06	7.09E-07	7.04E-07	0.00E+00	0.00E+00	3.12E-07	5.75E-08	3.69E-07	5.70E-08	5.45E-08	8.50E-07
1789	495261.06	3859051.99	2.80E-03	2.84E-03	2.81E-03	9.69E-07	2.93E-06	1.69E-06	1.69E-06	1.56E-06	7.10E-07	7.04E-07	0.00E+00	0.00E+00	3.12E-07	5.75E-08	3.70E-07	5.70E-08	5.45E-08	8.50E-07
1790	495311.06	3859051.99	2.77E-03	2.81E-03	2.79E-03	9.61E-07	2.90E-06	1.68E-06	1.68E-06	1.54E-06	7.03E-07	6.98E-07	0.00E+00	0.00E+00	3.09E-07	5.70E-08	3.66E-07	5.65E-08	5.40E-08	8.43E-07
1791	495361.06	3859051.99	2.76E-03	2.80E-03	2.77E-03	9.56E-07	2.89E-06	1.67E-06	1.67E-06	1.53E-06	7.00E-07	6.94E-07	0.00E+00	0.00E+00	3.07E-07	5.67E-08	3.64E-07	5.62E-08	5.37E-08	8.38E-07
1792	495411.06	3859051.99	2.75E-03	2.79E-03	2.77E-03	9.53E-07	2.88E-06	1.67E-06	1.67E-06	1.53E-06	6.98E-07	6.92E-07	0.00E+00	0.00E+00	3.07E-07	5.66E-08	3.63E-07	5.61E-08	5.36E-08	8.36E-07
1793	495461.06	3859051.99	2.75E-03	2.78E-03	2.76E-03	9.51E-07	2.87E-06	1.66E-06	1.66E-06	1.53E-06	6.96E-07	6.90E-07	0.00E+00	0.00E+00	3.06E-07	5.64E-08	3.62E-07	5.59E-08	5.34E-08	8.34E-07
1794	495511.06	3859051.99	2.71E-03	2.74E-03	2.72E-03	9.37E-07	2.83E-06	1.64E-06	1.64E-06	1.50E-06	6.86E-07	6.80E-07	0.00E+00	0.00E+00	3.01E-07	5.56E-08	3.57E-07	5.51E-08	5.26E-08	8.22E-07
1795	495561.06	3859051.99	2.67E-03	2.71E-03	2.68E-03	9.26E-07	2.80E-06	1.62E-06	1.62E-06	1.49E-06	6.78E-07	6.72E-07	0.00E+00	0.00E+00	2.98E-07	5.49E-08	3.53E-07	5.44E-08	5.20E-08	8.12E-07
1796	495611.06	3859051.99	2.65E-03	2.68E-03	2.66E-03	9.16E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.71E-07	6.64E-07	0.00E+00	0.00E+00	2.95E-07	5.43E-08	3.49E-07	5.39E-08	5.15E-08	8.04E-07
1797	495661.06	3859051.99	2.65E-03	2.68E-03	2.66E-03	9.17E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.72E-07	6.65E-07	0.00E+00	0.00E+00	2.95E-07	5.44E-08	3.50E-07	5.39E-08	5.15E-08	8.05E-07
1798	494311.06	3859101.99	3.81E-03	3.85E-03	3.84E-03	1.32E-06	3.98E-06	2.30E-06	2.30E-06	2.11E-06	9.63E-07	9.62E-07	0.00E+00	0.00E+00	4.24E-07	7.82E-08	5.02E-07	7.74E-08	7.45E-08	1.16E-06
1799	494361.06	3859101.99	3.77E-03	3.81E-03	3.80E-03	1.30E-06	3.94E-06	2.28E-06	2.28E-06	2.09E-06	9.54E-07	9.52E-07	0.00E+00	0.00E+00	4.20E-07	7.74E-08	4.97E-07	7.66E-08	7.37E-08	1.14E-06
1800	494411.06	3859101.99	3.74E-03	3.78E-03	3.77E-03	1.29E-06	3.91E-06	2.26E-06	2.26E-06	2.07E-06	9.46E-07	9.44E-07	0.00E+00	0.00E+00	4.16E-07	7.68E-08	4.93E-07	7.60E-08	7.31E-08	1.13E-06
1801	494461.06	3859101.99	3.69E-03	3.73E-03	3.72E-03	1.28E-06	3.86E-06	2.23E-06	2.23E-06	2.05E-06	9.34E-07	9.31E-07	0.00E+00	0.00E+00	4.11E-07	7.58E-08	4.86E-07	7.50E-08	7.21E-08	1.12E-06
1802	494511.06	3859101.99	3.62E-03	3.66E-03	3.65E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	2.01E-06	9.16E-07	9.14E-07	0.00E+00	0.00E+00	4.03E-07	7.43E-08	4.77E-07	7.36E-08	7.07E-08	1.10E-06
1803	494561.06	3859101.99	3.56E-03	3.61E-03	3.59E-03	1.23E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.03E-07	8.99E-07	0.00E+00	0.00E+00	3.97E-07	7.32E-08	4.70E-07	7.25E-08	6.96E-08	1.08E-06
1804	494611.06	3859101.99	3.48E-03	3.53E-03	3.51E-03	1.21E-06	3.64E-06	2.11E-06	2.11E-06	1.93E-06	8.82E-07	8.79E-07	0.00E+00	0.00E+00	3.88E-07	7.15E-08	4.59E-07	7.08E-08	6.80E-08	1.06E-06
1805	494661.06	3859101.99	3.43E-03	3.47E-03	3.46E-03	1.19E-06	3.59E-06	2.08E-06	2.08E-06	1.90E-06	8.69E-07	8.65E-07	0.00E+00	0.00E+00	3.82E-07	7.05E-08	4.53E-07	6.98E-08	6.70E-08	1.04E-06
1806	494711.06	3859101.99	3.34E-03	3.38E-03	3.37E-03	1.16E-06	3.49E-06	2.02E-06	2.02E-06	1.86E-06	8.47E-07	8.43E-07	0.00E+00	0.00E+00	3.72E-07	6.87E-08	4.41E-07	6.80E-08	6.53E-08	1.02E-06
1807	494761.06	3859101.99	3.32E-03	3.36E-03	3.34E-03	1.15E-06	3.47E-06	2.01E-06	2.01E-06	1.84E-06	8.40E-07	8.36E-07	0.00E+00	0.00E+00	3.69E-07	6.81E-08	4.37E-07	6.74E-08	6.47E-08	1.01E-06
1808	494811.06	3859101.99	3.26E-03	3.30E-03	3.28E-03	1.13E-06	3.40E-06	1.97E-06	1.97E-06	1.81E-06	8.25E-07	8.21E-07	0.00E+00	0.00E+00	3.63E-07	6.69E-08	4.30E-07	6.62E-08	6.36E-08	9.89E-07
1809	494861.06	3859101.99	3.20E-03	3.24E-03	3.23E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.78E-06	8.12E-07	8.07E-07	0.00E+00	0.00E+00	3.57E-07	6.58E-08	4.23E-07	6.52E-08	6.25E-08	9.73E-07
1810	494911.06	3859101.99	3.13E-03	3.17E-03	3.15E-03	1.08E-06	3.27E-06	1.89E-06	1.89E-06	1.74E-06	7.93E-07	7.88E-07	0.00E+00	0.00E+00	3.48E-07	6.43E-08	4.13E-07	6.37E-08	6.10E-08	9.50E-07
1811	494961.06	3859101.99	3.02E-03	3.06E-03	3.04E-03	1.05E-06	3.16E-06	1.83E-06	1.83E-06	1.68E-06	7.66E-07	7.61E-07	0.00E+00	0.00E+00	3.37E-07	6.21E-08	3.99E-07	6.15E-08	5.90E-08	9.18E-07
1812	495011.06	3859101.99	2.91E-03	2.95E-03	2.93E-03	1.01E-06	3.05E-06	1.76E-06	1.76E-06	1.62E-06	7.38E-07	7.34E-07	0.00E+00	0.00E+00	3.24E-07	5.99E-08	3.84E-07	5.93E-08	5.68E-08	8.85E-07
1813	495061.06	3859101.99	2.91E-03	2.94E-03	2.93E-03	1.01E-06	3.04E-06	1.76E-06	1.76E-06	1.61E-06	7.37E-07	7.32E-07	0.00E+00	0.00E+00	3.24E-07	5.97E-08	3.84E-07	5.92E-08	5.67E-08	8.83E-07
1814	495111.06	3859101.99	2.87E-03	2.91E-03	2.89E-03	9.95E-07	3.00E-06	1.74E-06	1.74E-06	1.60E-06	7.28E-07	7.23E-07	0.00E+00	0.00E+00	3.20E-07	5.90E-08	3.79E-07	5.85E-08	5.60E-08	8.72E-07
1815	495161.06	3859101.99	2.89E-03	2.92E-03	2.90E-03	9.99E-07	3.02E-06	1.75E-06	1.75E-06	1.60E-06	7.31E-07	7.26E-07	0.00E+00	0.00E+00	3.21E-07	5.93E-08	3.81E-07	5.87E-08	5.62E-08	8.76E-07
1816	495211.06	3859101.99	2.85E-03	2.89E-03	2.87E-03	9.88E-07	2.98E-06	1.73E-06	1.73E-06	1.58E-06	7.23E-07	7.18E-07	0.00E+00	0.00E+00	3.18E-07	5.86E-08	3.77E-07	5.81E-08	5.56E-08	8.66E-07
1817	495261.06	3859101.99	2.85E-03	2.88E-03	2.86E-03	9.86E-07	2.98E-06	1.72E-06	1.72E-06	1.58E-06	7.22E-07	7.17E-07	0.00E+00	0.00E+00	3.17E-07	5.85E-08	3.76E-07	5.79E-08	5.55E-08	8.65E-07
1818	495311.06	3859101.99	2.83E-03	2.87E-03	2.85E-03	9.80E-07	2.96E-06	1.71E-06	1.71E-06	1.57E-06	7.17E-07	7.12E-07	0.00E+00	0.00E+00	3.15E-07	5.81E-08	3.74E-07	5.76E-08	5.51E-08	8.60E-07
1819	495361.06	3859101.99	2.83E-03	2.86E-03	2.84E-03	9.79E-07	2.96E-06	1.71E-06	1.71E-06	1.57E-06	7.17E-07	7.11E-07	0.00E+00	0.00E+00	3.15E-07	5.81E-08	3.73E-07	5.75E-08	5.51E-08	8.59E-07
1820	495411.06	3859101.99	2.82E-03	2.85E-03	2.83E-03	9.75E-07	2.94E-06	1.70E-06	1.70E-06	1.56E-06	7.14E-07	7.08E-07	0.00E+00	0.00E+00	3.13E-07	5.78E-08	3.72E-07	5.73E-08	5.48E-08	8.55E-07
1821	495461.06	3859101.99	2.79E-03	2.83E-03	2.80E-03	9.66E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.07E-07	7.02E-07	0.00E+00	0.00E+00	3.11E-07	5.73E-08	3.68E-07	5.68E-08	5.43E-08	8.48E-07
1822	495511.06	3859101.99	2.77E-03	2.81E-03	2.78E-03	9.60E-07	2.90E-06	1.68E-06	1.68E-06	1.54E-06	7.03E-07	6.97E-07	0.00E+00	0.00E+00	3.09E-07	5.69E-08	3.66E-07	5.64E-08	5.39E-08	8.42E-07
1823	495561.06	3859101.99	2.74E-03	2.77E-03	2.75E-03	9.48E-07	2.86E-06	1.66E-06	1.66E-06	1.52E-06	6.94E-07	6.88E-07	0.00E+00	0.00E+00	3.05E-07	5.62E-08	3.61E-07	5.57E-08	5.33E-08	8.31E-07
1824	495611.06	3859101.99	2.70E-03	2.74E-03	2.72E-03	9.36E-07	2.83E-06	1.64E-06	1.64E-06	1.50E-06	6.85E-07	6.80E-07	0.00E+00	0.00E+00	3.01E-07	5.55E-08	3.57E-07	5.50E-08	5.26E-08	8.21E-07
1825	495661.06	3859101.99	2.70E-03	2.73E-03	2.71E-03	9.33E-07	2.82E-06	1.63E-06	1.63E-06	1.50E-06	6.83E-07	6.77E-07	0.00E+00	0.00E+00	3.00E-07	5.54E-08	3.56E-07	5.49E-08	5.25E-08	8.19E-07
1826	494311.06	3859151.99	3.89E-03	3.93E-03	3.93E-03	1.35E-06	4.07E-06	2.35E-06	2.35E-06	2.16E-06	9.84E-07	9.84E-07	0.00E+00	0.00E+00	4.33E-07	7.99E-08	5.13E-07	7.90E-08	7.62E-08	1.18E-06
1827	494361.06	3859151.99	3.86E-03	3.91E-03	3.90E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.14E-06	9.78E-07	9.77E-07	0.00E+00	0.00E+00	4.30E-07	7.93E-08	5.09E-07	7.85E-08	7.56E-08	1.17E-06
1828	494411.06	3859151.99	3.80E-03	3.85E-03	3.84E-03	1.32E-06	3.98E-06	2.30E-06	2.30E-06	2.11E-06	9.63E-07	9.61E-07	0.00E+00	0.00E+00	4.23E-07	7.81E-08	5.01E-07	7.73E-08	7.44E-08	1.15E-06
1829	494461.06	3859151.99	3.74E-03	3.79E-03	3.78E-03	1.30E-06	3.91E-06	2.26E-06	2.26E-06	2.08E-06	9.48E-07	9.46E-07	0.00E+00	0.00E+00	4.17E-07	7.69E-08	4.93E-07	7.61E-08	7.33E-08	1.14E-06
1830	494511.06	3859151.99	3.67E-03	3.71E-03	3.70E-03	1.27E-06	3.83E-06	2.22E-06	2.22E-06	2.04E-06	9.29E-07	9.27E-07	0.00E+00	0.00E+00	4.08E-07	7.53E-08	4.84E-07	7.46E-08	7.18E-08	1.11E-06
1831	494561.06	3859151.99	3.62E-03	3.66E-03	3.65E-03	1.25E-06	3.79E-06	2.19E-06	2.19E-06	2.01E-06	9.17E-07	9.15E-07	0.00E+00	0.00E+00	4.03E-07	7.44E-08	4.77E-07	7.36E-08	7.08E-08	1.10E-06
1832	494611.06	3859151.99	3.55E-03	3.59E-03	3.58E-03	1.23E-06	3.71E-06	2.15E-06	2.15E-06	1.97E-06	8.98E-07	8.96E-07	0.00E+00	0.00E+00	3.95E-07	7.29E-08	4.68E-07	7.21E-08	6.94E-08	1.08E-06
1833	494661.06	3859151.99	3.50E-03	3.54E-03	3.53E-03	1.21E-06	3.66E-06	2.12E-06	2.12E-06	1.94E-06	8.86E-07	8.83E-07	0.00E+00	0.00E+00	3.89E-07	7.19E-08	4.61E-07	7.11E-08	6.84E-08	1.06E-06
1834	494711.06	3859151.99	3.46E-03	3.50E-03	3.49E-03	1.20E-06	3.61E-06	2.09E-06	2.09E-06	1.92E-06	8.75E-07	8.72E-07	0.00E+00	0.00E+00	3.85E-07	7.10E-08	4.56E-07	7.03E-08	6.75E-08	1.05E-06
1835	494761.06	3859151.99	3.37E-03	3.41E-03	3.40E-03	1.17E-06	3.53E-06	2.04E-06	2.04E-06	1.87E-06	8.54E-07	8.51E-07	0.00E+00	0.00E+00	3.76E-07	6.93E-08	4.45E-07	6.86E-08	6.59E-08	1.02E-06
1836	494811.06	3859151.99	3.30E-03	3.34E-03	3.33E-03	1.14E-06	3.45E-06	2.00E-06	2.00E-06	1.83E-06	8.37E-07	8.34E-07	0.00E+00	0.00E+00	3.68E-07	6.79E-08	4.36E-07	6.72E-08	6.45E-08	1.00E-06
1837	494861.06	3859151.99	3.26E-03	3.30E-03	3.28E-03	1.13E-06	3.41E-06	1.97E-06	1.97E-06	1.81E-06	8.25E-07	8.22E-07	0.00E+00	0.00E+00	3.63E-07	6.69E-08	4.30E-07	6.63E-08	6.36E-08	9.89E-07
1838	494911.06	3859151.99	3.18E-03	3.21E-03	3.20E-03	1.10E-06	3.32E-06	1.92E-06	1.92E-06	1.76E-06	8.05E-07	8.01E-07	0.00E+00	0.00E+00	3.54E-07	6.52E-08	4.19E-07	6.46E-08	6.20E-08	9.64E-07
1839	494961.06	3859151.99	3.07E-03	3.10E-03	3.09E-03	1.06E-06	3.21E-06	1.86E-06	1.86E-06	1.70E-06	7.77E-07	7.73E-07	0.00E+00	0.00E+00	3.41E-07	6.30E-08	4.05E-07	6.24E-08	5.99E-08	9.31E-07
1840	495011.06	3859151.99	2.97E-03	3.01E-03	2.99E-03	1.03E-06	3.10E-06	1.80E-06	1.80E-06	1.65E-06	7.52E-07	7.48E-07	0.00E+00	0.00E+00	3.31E-07	6.10E-08	3.92E-07	6.04E-08	5.79E-08	9.02E-07
1841	495061.06	3859151.99	2.95E-03	2.99E-03	2.97E-03	1.02E-06	3.09E-06	1.79E-06	1.79E-06	1.64E-06	7.48E-07	7.44E-07	0.00E+00	0.00E+00	3.29E-07	6.07E-08	3.90E-07	6.01E-08	5.76E-08	8.97E-07
1842	495111.06	3859151.99	2.93E-03	2.97E-03	2.95E-03	1.01E-06	3.06E-06	1.77E-06	1.77E-06	1.63E-06	7.42E-07	7.38E-07	0.00E+00	0.00E+00	3.26E-07	6.02E-08	3.87E-07	5.96E-08	5.72E-08	8.90E-07
1843	495161.06	3859151.99	2.94E-03	2.98E-03	2.96E-03	1.02E-06	3.08E-06	1.78E-06	1.78E-06	1.63E-06	7.45E-07	7.41E-07	0.00E+00	0.00E+00	3.28E-07	6.04E-08	3.88E-07	5.99E-08	5.74E-08	8.93E-07
1844	495211.06	3859151.99	2.92E-03	2.96E-03	2.94E-03	1.01E-06	3.05E-06	1.77E-06	1.77E-06	1.62E-06	7.40E-07	7.36E-07	0.00E+00	0.00E+00	3.25E-07	6.00E-08	3.85E-07	5.94E-08	5.70E-08	8.87E-07
1845	495261.06	3859151.99	2.90E-03	2.94E-03	2.92E-03	1.00E-06	3.03E-06	1.76E-06	1.76E-06	1.61E-06	7.35E-07	7.31E-07	0.00E+00	0.00E+00	3.23E-07	5.96E-08	3.83E-07	5.91E-08	5.66E-08	8.81E-07
1846	495311.06	3859151.99	2.89E-03	2.92E-03	2.90E-03	1.00E-06	3.02E-06	1.75E-06	1.75E-06	1.60E-06	7.32E-07	7.27E-07	0.00E+00	0.00E+00	3.21E-07	5.93E-08	3.81E-07	5.88E-08	5.63E-08	8.77E-07
1847	495361.06	3859151.99	2.87E-03	2.91E-03	2.89E-03	9.94E-07	3.00E-06	1.74E-06	1.74E-06	1.59E-06	7.27E-07	7.22E-07	0.00E+00	0.00E+00	3.19E-07	5.89E-08	3.79E-07	5.84E-08	5.59E-08	8.71E-07
1848	495411.06	3859151.99	2.88E-03	2.91E-03	2.89E-03	9.96E-07	3.01E-06	1.74E-06	1.74E-06	1.60E-06	7.29E-07	7.24E-07	0.00E+00	0.00E+00	3.20E-07	5.91E-08	3.80E-07	5.86E-08	5.61E-08	8.74E-07
1849	495461.06	3859151.99	2.86E-03	2.90E-03	2.88E-03	9.91E-07	2.99E-06	1.73E-06	1.73E-06	1.59E-06	7.25E-07	7.20E-07	0.00E+00	0.00E+00	3.19E-07	5.88E-08	3.78E-07	5.82E-08	5.58E-08	8.69E-07
1850	495511.06	3859151.99	2.82E-03	2.86E-03	2.84E-03	9.78E-07	2.95E-06	1.71E-06	1.71E-06	1.57E-06	7.16E-07	7.10E-07	0.00E+00	0.00E+00	3.14E-07	5.80E-08	3.73E-07	5.75E-08	5.50E-08	8.57E-07
1851	495561.06	3859151.99	2.80E-03	2.83E-03	2.81E-03	9.68E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.08E-07	7.03E-07	0.00E+00	0.00E+00	3.11E-07	5.74E-08	3.69E-07	5.69E-08	5.44E-08	8.49E-07
1852	495611.06	3859151.99	2.77E-03	2.81E-03	2.78E-03	9.59E-07	2.90E-06	1.68E-06	1.68E-06	1.54E-06	7.02E-07	6.97E-07	0.00E+00	0.00E+00	3.08E-07	5.69E-08	3.66E-07	5.64E-08	5.39E-08	8.41E-07
1853	495661.06	3859151.99	2.75E-03	2.78E-03	2.76E-03	9.51E-07	2.87E-06	1.66E-06	1.66E-06	1.53E-06	6.97E-07	6.91E-07	0.00E+00	0.00E+00	3.06E-07	5.64E-08	3.63E-07	5.59E-08	5.35E-08	8.35E-07
1854	494311.06	3859201.99	3.97E-03	4.01E-03	4.02E-03	1.37E-06	4.15E-06	2.40E-06	2.40E-06	2.20E-06	1.00E-06	1.01E-06	0.00E+00	0.00E+00	4.42E-07	8.15E-08	5.23E-07	8.07E-08	7.78E-08	1.20E-06
1855	494361.06	3859201.99	3.93E-03	3.97E-03	3.97E-03	1.36E-06	4.11E-06	2.38E-06	2.38E-06	2.18E-06	9.94E-07	9.94E-07	0.00E+00	0.00E+00	4.37E-07	8.07E-08	5.18E-07	7.98E-08	7.70E-08	1.19E-06
1856	494411.06	3859201.99	3.88E-03	3.92E-03	3.92E-03	1.34E-06	4.05E-06	2.35E-06	2.35E-06	2.15E-06	9.81E-07	9.81E-07	0.00E+00	0.00E+00	4.31E-07	7.96E-08	5.11E-07	7.88E-08	7.59E-08	1.18E-06
1857	494461.06	3859201.99	3.80E-03	3.85E-03	3.84E-03	1.32E-06	3.97E-06	2.30E-06	2.30E-06	2.11E-06	9.62E-07	9.62E-07	0.00E+00	0.00E+00	4.23E-07	7.81E-08	5.01E-07	7.73E-08	7.45E-08	1.15E-06
1858	494511.06	3859201.99	3.75E-03	3.79E-03	3.79E-03	1.30E-06	3.92E-06	2.27E-06	2.27E-06	2.08E-06	9.49E-07	9.49E-07	0.00E+00	0.00E+00	4.18E-07	7.70E-08	4.94E-07	7.62E-08	7.35E-08	1.14E-06
1859	494561.06	3859201.99	3.67E-03	3.71E-03	3.71E-03	1.27E-06	3.84E-06	2.22E-06	2.22E-06	2.04E-06	9.29E-07	9.28E-07	0.00E+00	0.00E+00	4.09E-07	7.54E-08	4.84E-07	7.46E-08	7.19E-08	1.11E-06
1860	494611.06	3859201.99	3.61E-03	3.65E-03	3.64E-03	1.25E-06	3.77E-06	2.18E-06	2.18E-06	2.00E-06	9.14E-07	9.12E-07	0.00E+00	0.00E+00	4.02E-07	7.41E-08	4.76E-07	7.34E-08	7.06E-08	1.10E-06
1861	494661.06	3859201.99	3.56E-03	3.60E-03	3.59E-03	1.23E-06	3.72E-06	2.15E-06	2.15E-06	1.97E-06	9.01E-07	8.99E-07	0.00E+00	0.00E+00	3.96E-07	7.31E-08	4.69E-07	7.23E-08	6.96E-08	1.08E-06
1862	494711.06	3859201.99	3.51E-03	3.55E-03	3.54E-03	1.21E-06	3.67E-06	2.12E-06	2.12E-06	1.95E-06	8.88E-07	8.86E-07	0.00E+00	0.00E+00	3.90E-07	7.20E-08	4.62E-07	7.13E-08	6.86E-08	1.06E-06
1863	494761.06	3859201.99	3.43E-03	3.47E-03	3.46E-03	1.19E-06	3.58E-06	2.08E-06	2.08E-06	1.90E-06	8.68E-07	8.66E-07	0.00E+00	0.00E+00	3.82E-07	7.04E-08	4.52E-07	6.97E-08	6.71E-08	1.04E-06
1864	494811.06	3859201.99	3.36E-03	3.40E-03	3.39E-03	1.16E-06	3.52E-06	2.04E-06	2.04E-06	1.87E-06	8.52E-07	8.49E-07	0.00E+00	0.00E+00	3.74E-07	6.91E-08	4.44E-07	6.84E-08	6.57E-08	1.02E-06
1865	494861.06	3859201.99	3.29E-03	3.32E-03	3.31E-03	1.14E-06	3.43E-06	1.99E-06	1.99E-06	1.82E-06	8.32E-07	8.29E-07	0.00E+00	0.00E+00	3.66E-07	6.75E-08	4.33E-07	6.68E-08	6.42E-08	9.98E-07
1866	494911.06	3859201.99	3.20E-03	3.24E-03	3.22E-03	1.11E-06	3.34E-06	1.94E-06	1.94E-06	1.78E-06	8.10E-07	8.07E-07	0.00E+00	0.00E+00	3.56E-07	6.57E-08	4.22E-07	6.51E-08	6.25E-08	9.71E-07
1867	494961.06	3859201.99	3.11E-03	3.14E-03	3.13E-03	1.07E-06	3.25E-06	1.88E-06	1.88E-06	1.72E-06	7.86E-07	7.83E-07	0.00E+00	0.00E+00	3.46E-07	6.38E-08	4.09E-07	6.31E-08	6.06E-08	9.43E-07
1868	495011.06	3859201.99	2.98E-03	3.02E-03	3.01E-03	1.03E-06	3.12E-06	1.81E-06	1.81E-06	1.66E-06	7.56E-07	7.52E-07	0.00E+00	0.00E+00	3.32E-07	6.13E-08	3.94E-07	6.07E-08	5.83E-08	9.06E-07
1869	495061.06	3859201.99	3.02E-03	3.05E-03	3.04E-03	1.04E-06	3.15E-06	1.83E-06	1.83E-06	1.67E-06	7.64E-07	7.61E-07	0.00E+00	0.00E+00	3.36E-07	6.20E-08	3.98E-07	6.14E-08	5.89E-08	9.16E-07
1870	495111.06	3859201.99	3.01E-03	3.04E-03	3.03E-03	1.04E-06	3.14E-06	1.82E-06	1.82E-06	1.67E-06	7.62E-07	7.58E-07	0.00E+00	0.00E+00	3.35E-07	6.18E-08	3.97E-07	6.12E-08	5.87E-08	9.13E-07
1871	495161.06	3859201.99	2.99E-03	3.03E-03	3.01E-03	1.04E-06	3.13E-06	1.81E-06	1.81E-06	1.66E-06	7.58E-07	7.54E-07	0.00E+00	0.00E+00	3.33E-07	6.15E-08	3.95E-07	6.09E-08	5.84E-08	9.09E-07
1872	495211.06	3859201.99	2.96E-03	3.00E-03	2.98E-03	1.03E-06	3.10E-06	1.79E-06	1.79E-06	1.64E-06	7.51E-07	7.47E-07	0.00E+00	0.00E+00	3.30E-07	6.09E-08	3.91E-07	6.03E-08	5.78E-08	9.00E-07
1873	495261.06	3859201.99	2.96E-03	2.99E-03	2.98E-03	1.02E-06	3.09E-06	1.79E-06	1.79E-06	1.64E-06	7.49E-07	7.45E-07	0.00E+00	0.00E+00	3.29E-07	6.07E-08	3.90E-07	6.01E-08	5.77E-08	8.97E-07
1874	495311.06	3859201.99	2.94E-03	2.98E-03	2.96E-03	1.02E-06	3.07E-06	1.78E-06	1.78E-06	1.63E-06	7.45E-07	7.41E-07	0.00E+00	0.00E+00	3.27E-07	6.04E-08	3.88E-07	5.98E-08	5.74E-08	8.93E-07
1875	495361.06	3859201.99	2.93E-03	2.97E-03	2.95E-03	1.01E-06	3.06E-06	1.77E-06	1.77E-06	1.63E-06	7.42E-07	7.38E-07	0.00E+00	0.00E+00	3.26E-07	6.02E-08	3.86E-07	5.96E-08	5.71E-08	8.89E-07
1876	495411.06	3859201.99	2.93E-03	2.97E-03	2.95E-03	1.02E-06	3.07E-06	1.78E-06	1.78E-06	1.63E-06	7.43E-07	7.39E-07	0.00E+00	0.00E+00	3.27E-07	6.03E-08	3.87E-07	5.97E-08	5.72E-08	8.91E-07
1877	495461.06	3859201.99	2.91E-03	2.95E-03	2.93E-03	1.01E-06	3.04E-06	1.76E-06	1.76E-06	1.62E-06	7.38E-07	7.33E-07	0.00E+00	0.00E+00	3.24E-07	5.98E-08	3.84E-07	5.92E-08	5.68E-08	8.84E-07
1878	495511.06	3859201.99	2.89E-03	2.93E-03	2.91E-03	1.00E-06	3.02E-06	1.75E-06	1.75E-06	1.60E-06	7.32E-07	7.27E-07	0.00E+00	0.00E+00	3.22E-07	5.93E-08	3.81E-07	5.88E-08	5.63E-08	8.77E-07
1879	495561.06	3859201.99	2.85E-03	2.88E-03	2.86E-03	9.86E-07	2.98E-06	1.72E-06	1.72E-06	1.58E-06	7.21E-07	7.17E-07	0.00E+00	0.00E+00	3.17E-07	5.85E-08	3.76E-07	5.79E-08	5.55E-08	8.65E-07
1880	495611.06	3859201.99	2.82E-03	2.85E-03	2.83E-03	9.75E-07	2.94E-06	1.70E-06	1.70E-06	1.56E-06	7.14E-07	7.09E-07	0.00E+00	0.00E+00	3.14E-07	5.78E-08	3.72E-07	5.73E-08	5.49E-08	8.55E-07
1881	495661.06	3859201.99	2.80E-03	2.83E-03	2.81E-03	9.68E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.08E-07	7.03E-07	0.00E+00	0.00E+00	3.11E-07	5.74E-08	3.69E-07	5.69E-08	5.45E-08	8.49E-07
1882	494311.06	3859251.99	4.05E-03	4.09E-03	4.10E-03	1.40E-06	4.23E-06	2.45E-06	2.45E-06	2.25E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.51E-07	8.32E-08	5.34E-07	8.23E-08	7.95E-08	1.23E-06
1883	494361.06	3859251.99	3.99E-03	4.04E-03	4.04E-03	1.38E-06	4.17E-06	2.42E-06	2.42E-06	2.21E-06	1.01E-06	1.01E-06	0.00E+00	0.00E+00	4.44E-07	8.20E-08	5.26E-07	8.11E-08	7.83E-08	1.21E-06

1884	494411.06	3859251.99	3.92E-03	3.96E-03	3.96E-03	1.36E-06	4.09E-06	2.37E-06	2.37E-06	2.17E-06	9.91E-07	9.92E-07	0.00E+00	0.00E+00	4.36E-07	8.04E-08	5.16E-07	7.95E-08	7.68E-08	1.19E-06
1885	494461.06	3859251.99	3.86E-03	3.90E-03	3.91E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.14E-06	9.77E-07	9.78E-07	0.00E+00	0.00E+00	4.30E-07	7.93E-08	5.09E-07	7.85E-08	7.57E-08	1.17E-06
1886	494511.06	3859251.99	3.78E-03	3.82E-03	3.82E-03	1.31E-06	3.95E-06	2.29E-06	2.29E-06	2.10E-06	9.57E-07	9.57E-07	0.00E+00	0.00E+00	4.21E-07	7.77E-08	4.98E-07	7.68E-08	7.41E-08	1.15E-06
1887	494561.06	3859251.99	3.73E-03	3.77E-03	3.77E-03	1.29E-06	3.89E-06	2.25E-06	2.25E-06	2.07E-06	9.43E-07	9.43E-07	0.00E+00	0.00E+00	4.15E-07	7.65E-08	4.91E-07	7.57E-08	7.30E-08	1.13E-06
1888	494611.06	3859251.99	3.66E-03	3.70E-03	3.70E-03	1.27E-06	3.82E-06	2.21E-06	2.21E-06	2.03E-06	9.25E-07	9.25E-07	0.00E+00	0.00E+00	4.07E-07	7.51E-08	4.82E-07	7.43E-08	7.16E-08	1.11E-06
1889	494661.06	3859251.99	3.62E-03	3.66E-03	3.65E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	2.01E-06	9.15E-07	9.15E-07	0.00E+00	0.00E+00	4.03E-07	7.43E-08	4.77E-07	7.35E-08	7.08E-08	1.10E-06
1890	494711.06	3859251.99	3.56E-03	3.60E-03	3.60E-03	1.23E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.02E-07	9.01E-07	0.00E+00	0.00E+00	3.97E-07	7.32E-08	4.70E-07	7.24E-08	6.98E-08	1.08E-06
1891	494761.06	3859251.99	3.44E-03	3.48E-03	3.47E-03	1.19E-06	3.60E-06	2.08E-06	2.08E-06	1.91E-06	8.71E-07	8.69E-07	0.00E+00	0.00E+00	3.83E-07	7.06E-08	4.53E-07	6.99E-08	6.73E-08	1.04E-06
1892	494811.06	3859251.99	3.42E-03	3.46E-03	3.45E-03	1.18E-06	3.57E-06	2.07E-06	2.07E-06	1.90E-06	8.66E-07	8.64E-07	0.00E+00	0.00E+00	3.81E-07	7.02E-08	4.51E-07	6.95E-08	6.69E-08	1.04E-06
1893	494861.06	3859251.99	3.31E-03	3.35E-03	3.34E-03	1.15E-06	3.46E-06	2.00E-06	2.00E-06	1.84E-06	8.39E-07	8.36E-07	0.00E+00	0.00E+00	3.69E-07	6.80E-08	4.37E-07	6.73E-08	6.48E-08	1.01E-06
1894	494911.06	3859251.99	3.22E-03	3.26E-03	3.25E-03	1.11E-06	3.37E-06	1.95E-06	1.95E-06	1.79E-06	8.16E-07	8.13E-07	0.00E+00	0.00E+00	3.59E-07	6.61E-08	4.25E-07	6.55E-08	6.30E-08	9.78E-07
1895	494961.06	3859251.99	3.17E-03	3.21E-03	3.20E-03	1.10E-06	3.31E-06	1.92E-06	1.92E-06	1.76E-06	8.03E-07	8.00E-07	0.00E+00	0.00E+00	3.53E-07	6.51E-08	4.18E-07	6.45E-08	6.20E-08	9.62E-07
1896	495011.06	3859251.99	3.11E-03	3.15E-03	3.14E-03	1.08E-06	3.25E-06	1.88E-06	1.88E-06	1.73E-06	7.88E-07	7.85E-07	0.00E+00	0.00E+00	3.46E-07	6.39E-08	4.10E-07	6.33E-08	6.08E-08	9.44E-07
1897	495061.06	3859251.99	3.11E-03	3.14E-03	3.13E-03	1.08E-06	3.25E-06	1.88E-06	1.88E-06	1.72E-06	7.86E-07	7.84E-07	0.00E+00	0.00E+00	3.46E-07	6.38E-08	4.10E-07	6.32E-08	6.07E-08	9.43E-07
1898	495111.06	3859251.99	3.08E-03	3.11E-03	3.10E-03	1.07E-06	3.22E-06	1.86E-06	1.86E-06	1.71E-06	7.80E-07	7.76E-07	0.00E+00	0.00E+00	3.43E-07	6.32E-08	4.06E-07	6.26E-08	6.01E-08	9.35E-07
1899	495161.06	3859251.99	3.06E-03	3.10E-03	3.09E-03	1.06E-06	3.20E-06	1.85E-06	1.85E-06	1.70E-06	7.75E-07	7.72E-07	0.00E+00	0.00E+00	3.41E-07	6.29E-08	4.04E-07	6.23E-08	5.98E-08	9.29E-07
1900	495211.06	3859251.99	3.03E-03	3.07E-03	3.05E-03	1.05E-06	3.17E-06	1.83E-06	1.83E-06	1.68E-06	7.68E-07	7.64E-07	0.00E+00	0.00E+00	3.37E-07	6.23E-08	4.00E-07	6.17E-08	5.92E-08	9.20E-07
1901	495261.06	3859251.99	3.02E-03	3.05E-03	3.04E-03	1.04E-06	3.15E-06	1.82E-06	1.82E-06	1.67E-06	7.64E-07	7.60E-07	0.00E+00	0.00E+00	3.36E-07	6.19E-08	3.98E-07	6.13E-08	5.89E-08	9.16E-07
1902	495311.06	3859251.99	3.01E-03	3.05E-03	3.03E-03	1.04E-06	3.15E-06	1.82E-06	1.82E-06	1.67E-06	7.62E-07	7.59E-07	0.00E+00	0.00E+00	3.35E-07	6.18E-08	3.97E-07	6.12E-08	5.88E-08	9.14E-07
1903	495361.06	3859251.99	2.99E-03	3.03E-03	3.01E-03	1.04E-06	3.13E-06	1.81E-06	1.81E-06	1.66E-06	7.57E-07	7.54E-07	0.00E+00	0.00E+00	3.33E-07	6.14E-08	3.94E-07	6.08E-08	5.84E-08	9.08E-07
1904	495411.06	3859251.99	2.99E-03	3.03E-03	3.01E-03	1.03E-06	3.12E-06	1.81E-06	1.81E-06	1.66E-06	7.57E-07	7.53E-07	0.00E+00	0.00E+00	3.33E-07	6.14E-08	3.94E-07	6.08E-08	5.83E-08	9.08E-07
1905	495461.06	3859251.99	2.97E-03	3.00E-03	2.99E-03	1.03E-06	3.10E-06	1.80E-06	1.80E-06	1.65E-06	7.52E-07	7.48E-07	0.00E+00	0.00E+00	3.30E-07	6.10E-08	3.92E-07	6.04E-08	5.79E-08	9.01E-07
1906	495511.06	3859251.99	2.93E-03	2.96E-03	2.94E-03	1.01E-06	3.06E-06	1.77E-06	1.77E-06	1.62E-06	7.41E-07	7.37E-07	0.00E+00	0.00E+00	3.26E-07	6.01E-08	3.86E-07	5.95E-08	5.71E-08	8.88E-07
1907	495561.06	3859251.99	2.90E-03	2.93E-03	2.92E-03	1.00E-06	3.03E-06	1.75E-06	1.75E-06	1.61E-06	7.34E-07	7.30E-07	0.00E+00	0.00E+00	3.23E-07	5.95E-08	3.82E-07	5.90E-08	5.65E-08	8.80E-07
1908	495611.06	3859251.99	2.86E-03	2.90E-03	2.88E-03	9.91E-07	2.99E-06	1.73E-06	1.73E-06	1.59E-06	7.25E-07	7.21E-07	0.00E+00	0.00E+00	3.19E-07	5.88E-08	3.77E-07	5.82E-08	5.58E-08	8.69E-07
1909	495661.06	3859251.99	2.84E-03	2.87E-03	2.85E-03	9.82E-07	2.96E-06	1.72E-06	1.72E-06	1.57E-06	7.18E-07	7.14E-07	0.00E+00	0.00E+00	3.16E-07	5.82E-08	3.74E-07	5.77E-08	5.53E-08	8.61E-07
1910	494311.06	3859301.99	4.12E-03	4.17E-03	4.18E-03	1.43E-06	4.31E-06	2.50E-06	2.50E-06	2.29E-06	1.04E-06	1.05E-06	0.00E+00	0.00E+00	4.59E-07	8.47E-08	5.43E-07	8.37E-08	8.10E-08	1.25E-06
1911	494361.06	3859301.99	4.06E-03	4.10E-03	4.12E-03	1.41E-06	4.24E-06	2.46E-06	2.46E-06	2.25E-06	1.03E-06	1.03E-06	0.00E+00	0.00E+00	4.52E-07	8.34E-08	5.35E-07	8.25E-08	7.98E-08	1.23E-06
1912	494411.06	3859301.99	3.98E-03	4.03E-03	4.03E-03	1.38E-06	4.16E-06	2.41E-06	2.41E-06	2.21E-06	1.01E-06	1.01E-06	0.00E+00	0.00E+00	4.43E-07	8.18E-08	5.25E-07	8.09E-08	7.82E-08	1.21E-06
1913	494461.06	3859301.99	3.91E-03	3.95E-03	3.96E-03	1.35E-06	4.08E-06	2.36E-06	2.36E-06	2.17E-06	9.88E-07	9.90E-07	0.00E+00	0.00E+00	4.35E-07	8.02E-08	5.14E-07	7.93E-08	7.66E-08	1.19E-06
1914	494511.06	3859301.99	3.84E-03	3.88E-03	3.89E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.13E-06	9.71E-07	9.72E-07	0.00E+00	0.00E+00	4.27E-07	7.88E-08	5.06E-07	7.80E-08	7.53E-08	1.16E-06
1915	494561.06	3859301.99	3.78E-03	3.82E-03	3.83E-03	1.31E-06	3.95E-06	2.29E-06	2.29E-06	2.10E-06	9.57E-07	9.58E-07	0.00E+00	0.00E+00	4.21E-07	7.77E-08	4.98E-07	7.69E-08	7.42E-08	1.15E-06
1916	494611.06	3859301.99	3.72E-03	3.76E-03	3.77E-03	1.29E-06	3.89E-06	2.25E-06	2.25E-06	2.06E-06	9.42E-07	9.43E-07	0.00E+00	0.00E+00	4.15E-07	7.65E-08	4.91E-07	7.57E-08	7.30E-08	1.13E-06
1917	494661.06	3859301.99	3.67E-03	3.71E-03	3.71E-03	1.27E-06	3.83E-06	2.22E-06	2.22E-06	2.03E-06	9.28E-07	9.28E-07	0.00E+00	0.00E+00	4.08E-07	7.53E-08	4.83E-07	7.45E-08	7.18E-08	1.11E-06
1918	494711.06	3859301.99	3.60E-03	3.64E-03	3.64E-03	1.25E-06	3.76E-06	2.18E-06	2.18E-06	2.00E-06	9.11E-07	9.10E-07	0.00E+00	0.00E+00	4.01E-07	7.39E-08	4.74E-07	7.31E-08	7.05E-08	1.09E-06
1919	494761.06	3859301.99	3.54E-03	3.58E-03	3.58E-03	1.22E-06	3.70E-06	2.14E-06	2.14E-06	1.96E-06	8.95E-07	8.95E-07	0.00E+00	0.00E+00	3.94E-07	7.27E-08	4.66E-07	7.19E-08	6.93E-08	1.07E-06
1920	494811.06	3859301.99	3.46E-03	3.49E-03	3.49E-03	1.20E-06	3.61E-06	2.09E-06	2.09E-06	1.92E-06	8.75E-07	8.74E-07	0.00E+00	0.00E+00	3.85E-07	7.10E-08	4.55E-07	7.02E-08	6.76E-08	1.05E-06
1921	494861.06	3859301.99	3.35E-03	3.38E-03	3.38E-03	1.16E-06	3.50E-06	2.02E-06	2.02E-06	1.86E-06	8.47E-07	8.45E-07	0.00E+00	0.00E+00	3.72E-07	6.87E-08	4.41E-07	6.80E-08	6.55E-08	1.02E-06
1922	494911.06	3859301.99	3.29E-03	3.33E-03	3.32E-03	1.14E-06	3.44E-06	1.99E-06	1.99E-06	1.82E-06	8.32E-07	8.31E-07	0.00E+00	0.00E+00	3.66E-07	6.75E-08	4.33E-07	6.68E-08	6.43E-08	9.98E-07
1923	494961.06	3859301.99	3.18E-03	3.22E-03	3.21E-03	1.10E-06	3.32E-06	1.92E-06	1.92E-06	1.76E-06	8.05E-07	8.03E-07	0.00E+00	0.00E+00	3.54E-07	6.53E-08	4.19E-07	6.47E-08	6.22E-08	9.65E-07
1924	495011.06	3859301.99	3.14E-03	3.17E-03	3.16E-03	1.09E-06	3.28E-06	1.90E-06	1.90E-06	1.74E-06	7.94E-07	7.92E-07	0.00E+00	0.00E+00	3.49E-07	6.44E-08	4.14E-07	6.38E-08	6.13E-08	9.52E-07
1925	495061.06	3859301.99	3.17E-03	3.21E-03	3.20E-03	1.10E-06	3.32E-06	1.92E-06	1.92E-06	1.76E-06	8.03E-07	8.01E-07	0.00E+00	0.00E+00	3.53E-07	6.52E-08	4.18E-07	6.45E-08	6.20E-08	9.63E-07
1926	495111.06	3859301.99	3.11E-03	3.15E-03	3.14E-03	1.08E-06	3.25E-06	1.88E-06	1.88E-06	1.73E-06	7.89E-07	7.86E-07	0.00E+00	0.00E+00	3.47E-07	6.40E-08	4.11E-07	6.33E-08	6.09E-08	9.45E-07
1927	495161.06	3859301.99	3.10E-03	3.14E-03	3.13E-03	1.07E-06	3.24E-06	1.88E-06	1.88E-06	1.72E-06	7.85E-07	7.82E-07	0.00E+00	0.00E+00	3.45E-07	6.37E-08	4.09E-07	6.30E-08	6.06E-08	9.41E-07
1928	495211.06	3859301.99	3.10E-03	3.14E-03	3.13E-03	1.07E-06	3.24E-06	1.88E-06	1.88E-06	1.72E-06	7.86E-07	7.83E-07	0.00E+00	0.00E+00	3.45E-07	6.37E-08	4.09E-07	6.31E-08	6.07E-08	9.42E-07
1929	495261.06	3859301.99	3.09E-03	3.13E-03	3.12E-03	1.07E-06	3.23E-06	1.87E-06	1.87E-06	1.72E-06	7.84E-07	7.81E-07	0.00E+00	0.00E+00	3.44E-07	6.35E-08	4.08E-07	6.29E-08	6.05E-08	9.39E-07
1930	495311.06	3859301.99	3.05E-03	3.09E-03	3.08E-03	1.06E-06	3.19E-06	1.85E-06	1.85E-06	1.69E-06	7.73E-07	7.70E-07	0.00E+00	0.00E+00	3.40E-07	6.27E-08	4.03E-07	6.21E-08	5.96E-08	9.27E-07
1931	495361.06	3859301.99	3.05E-03	3.08E-03	3.07E-03	1.06E-06	3.19E-06	1.84E-06	1.84E-06	1.69E-06	7.72E-07	7.69E-07	0.00E+00	0.00E+00	3.39E-07	6.26E-08	4.02E-07	6.20E-08	5.95E-08	9.25E-07
1932	495411.06	3859301.99	3.03E-03	3.07E-03	3.06E-03	1.05E-06	3.17E-06	1.83E-06	1.83E-06	1.68E-06	7.68E-07	7.65E-07	0.00E+00	0.00E+00	3.38E-07	6.23E-08	4.00E-07	6.17E-08	5.92E-08	9.21E-07
1933	495461.06	3859301.99	3.02E-03	3.06E-03	3.04E-03	1.05E-06	3.16E-06	1.83E-06	1.83E-06	1.68E-06	7.65E-07	7.61E-07	0.00E+00	0.00E+00	3.36E-07	6.20E-08	3.98E-07	6.14E-08	5.90E-08	9.17E-07
1934	495511.06	3859301.99	2.98E-03	3.02E-03	3.01E-03	1.03E-06	3.12E-06	1.81E-06	1.81E-06	1.66E-06	7.56E-07	7.52E-07	0.00E+00	0.00E+00	3.32E-07	6.13E-08	3.93E-07	6.07E-08	5.82E-08	9.06E-07
1935	495561.06	3859301.99	2.93E-03	2.96E-03	2.95E-03	1.01E-06	3.06E-06	1.77E-06	1.77E-06	1.63E-06	7.42E-07	7.38E-07	0.00E+00	0.00E+00	3.26E-07	6.01E-08	3.86E-07	5.96E-08	5.72E-08	8.89E-07
1936	495611.06	3859301.99	2.90E-03	2.94E-03	2.92E-03	1.00E-06	3.03E-06	1.76E-06	1.76E-06	1.61E-06	7.35E-07	7.31E-07	0.00E+00	0.00E+00	3.23E-07	5.96E-08	3.83E-07	5.90E-08	5.66E-08	8.81E-07
1937	495661.06	3859301.99	2.88E-03	2.91E-03	2.90E-03	9.96E-07	3.01E-06	1.74E-06	1.74E-06	1.60E-06	7.29E-07	7.25E-07	0.00E+00	0.00E+00	3.20E-07	5.91E-08	3.79E-07	5.85E-08	5.61E-08	8.73E-07
1938	494311.06	3859351.99	4.18E-03	4.22E-03	4.24E-03	1.45E-06	4.37E-06	2.53E-06	2.53E-06	2.31E-06	1.06E-06	1.06E-06	0.00E+00	0.00E+00	4.65E-07	8.58E-08	5.50E-07	8.48E-08	8.22E-08	1.27E-06
1939	494361.06	3859351.99	4.11E-03	4.16E-03	4.17E-03	1.42E-06	4.30E-06	2.49E-06	2.49E-06	2.28E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.58E-07	8.45E-08	5.41E-07	8.35E-08	8.09E-08	1.25E-06
1940	494411.06	3859351.99	4.03E-03	4.07E-03	4.08E-03	1.39E-06	4.21E-06	2.44E-06	2.44E-06	2.23E-06	1.02E-06	1.02E-06	0.00E+00	0.00E+00	4.48E-07	8.27E-08	5.30E-07	8.18E-08	7.91E-08	1.22E-06
1941	494461.06	3859351.99	3.95E-03	3.99E-03	4.01E-03	1.37E-06	4.13E-06	2.39E-06	2.39E-06	2.19E-06	1.00E-06	1.00E-06	0.00E+00	0.00E+00	4.40E-07	8.12E-08	5.21E-07	8.03E-08	7.77E-08	1.20E-06
1942	494511.06	3859351.99	3.89E-03	3.93E-03	3.94E-03	1.35E-06	4.06E-06	2.35E-06	2.35E-06	2.16E-06	9.83E-07	9.86E-07	0.00E+00	0.00E+00	4.33E-07	7.98E-08	5.12E-07	7.90E-08	7.63E-08	1.18E-06
1943	494561.06	3859351.99	3.84E-03	3.88E-03	3.89E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.13E-06	9.71E-07	9.73E-07	0.00E+00	0.00E+00	4.27E-07	7.88E-08	5.05E-07	7.79E-08	7.53E-08	1.16E-06
1944	494611.06	3859351.99	3.78E-03	3.82E-03	3.83E-03	1.31E-06	3.95E-06	2.29E-06	2.29E-06	2.10E-06	9.56E-07	9.58E-07	0.00E+00	0.00E+00	4.21E-07	7.76E-08	4.98E-07	7.68E-08	7.42E-08	1.15E-06
1945	494661.06	3859351.99	3.72E-03	3.76E-03	3.77E-03	1.29E-06	3.89E-06	2.25E-06	2.25E-06	2.06E-06	9.41E-07	9.43E-07	0.00E+00	0.00E+00	4.14E-07	7.64E-08	4.90E-07	7.56E-08	7.30E-08	1.13E-06
1946	494711.06	3859351.99	3.65E-03	3.69E-03	3.69E-03	1.26E-06	3.81E-06	2.21E-06	2.21E-06	2.02E-06	9.23E-07	9.24E-07	0.00E+00	0.00E+00	4.06E-07	7.49E-08	4.81E-07	7.41E-08	7.15E-08	1.11E-06
1947	494761.06	3859351.99	3.55E-03	3.59E-03	3.59E-03	1.23E-06	3.71E-06	2.15E-06	2.15E-06	1.97E-06	8.99E-07	9.00E-07	0.00E+00	0.00E+00	3.96E-07	7.30E-08	4.68E-07	7.22E-08	6.97E-08	1.08E-06
1948	494811.06	3859351.99	3.44E-03	3.48E-03	3.48E-03	1.19E-06	3.59E-06	2.08E-06	2.08E-06	1.91E-06	8.70E-07	8.70E-07	0.00E+00	0.00E+00	3.83E-07	7.06E-08	4.53E-07	6.99E-08	6.73E-08	1.04E-06
1949	494861.06	3859351.99	3.39E-03	3.43E-03	3.42E-03	1.17E-06	3.54E-06	2.05E-06	2.05E-06	1.88E-06	8.58E-07	8.57E-07	0.00E+00	0.00E+00	3.77E-07	6.96E-08	4.47E-07	6.89E-08	6.64E-08	1.03E-06
1950	494911.06	3859351.99	3.35E-03	3.39E-03	3.39E-03	1.16E-06	3.51E-06	2.03E-06	2.03E-06	1.86E-06	8.49E-07	8.48E-07	0.00E+00	0.00E+00	3.73E-07	6.89E-08	4.42E-07	6.82E-08	6.57E-08	1.02E-06
1951	494961.06	3859351.99	3.30E-03	3.34E-03	3.33E-03	1.14E-06	3.45E-06	2.00E-06	2.00E-06	1.83E-06	8.35E-07	8.34E-07	0.00E+00	0.00E+00	3.67E-07	6.78E-08	4.35E-07	6.71E-08	6.46E-08	1.00E-06
1952	495011.06	3859351.99	3.26E-03	3.30E-03	3.29E-03	1.13E-06	3.41E-06	1.97E-06	1.97E-06	1.81E-06	8.25E-07	8.23E-07	0.00E+00	0.00E+00	3.63E-07	6.69E-08	4.29E-07	6.62E-08	6.38E-08	9.89E-07
1953	495061.06	3859351.99	3.27E-03	3.31E-03	3.30E-03	1.13E-06	3.42E-06	1.98E-06	1.98E-06	1.81E-06	8.28E-07	8.26E-07	0.00E+00	0.00E+00	3.64E-07	6.72E-08	4.31E-07	6.65E-08	6.40E-08	9.93E-07
1954	495111.06	3859351.99	3.23E-03	3.26E-03	3.26E-03	1.12E-06	3.37E-06	1.95E-06	1.95E-06	1.79E-06	8.17E-07	8.15E-07	0.00E+00	0.00E+00	3.59E-07	6.62E-08	4.25E-07	6.56E-08	6.31E-08	9.79E-07
1955	495161.06	3859351.99	3.20E-03	3.24E-03	3.23E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.78E-06	8.10E-07	8.09E-07	0.00E+00	0.00E+00	3.56E-07	6.57E-08	4.22E-07	6.51E-08	6.26E-08	9.72E-07
1956	495211.06	3859351.99	3.17E-03	3.21E-03	3.20E-03	1.10E-06	3.32E-06	1.92E-06	1.92E-06	1.76E-06	8.04E-07	8.02E-07	0.00E+00	0.00E+00	3.53E-07	6.52E-08	4.18E-07	6.45E-08	6.21E-08	9.64E-07
1957	495261.06	3859351.99	3.16E-03	3.20E-03	3.19E-03	1.09E-06	3.30E-06	1.91E-06	1.91E-06	1.75E-06	8.00E-07	7.98E-07	0.00E+00	0.00E+00	3.52E-07	6.49E-08	4.17E-07	6.43E-08	6.18E-08	9.60E-07
1958	495311.06	3859351.99	3.12E-03	3.16E-03	3.15E-03	1.08E-06	3.27E-06	1.89E-06	1.89E-06	1.73E-06	7.91E-07	7.89E-07	0.00E+00	0.00E+00	3.48E-07	6.42E-08	4.12E-07	6.35E-08	6.11E-08	9.49E-07
1959	495361.06	3859351.99	3.10E-03	3.14E-03	3.13E-03	1.07E-06	3.24E-06	1.88E-06	1.88E-06	1.72E-06	7.85E-07	7.83E-07	0.00E+00	0.00E+00	3.45E-07	6.37E-08	4.09E-07	6.31E-08	6.06E-08	9.41E-07
1960	495411.06	3859351.99	3.09E-03	3.12E-03	3.11E-03	1.07E-06	3.23E-06	1.87E-06	1.87E-06	1.71E-06	7.82E-07	7.79E-07	0.00E+00	0.00E+00	3.44E-07	6.34E-08	4.07E-07	6.28E-08	6.03E-08	9.37E-07
1961	495461.06	3859351.99	3.08E-03	3.12E-03	3.11E-03	1.07E-06	3.22E-06	1.86E-06	1.86E-06	1.71E-06	7.80E-07	7.77E-07	0.00E+00	0.00E+00	3.43E-07	6.32E-08	4.06E-07	6.26E-08	6.02E-08	9.35E-07
1962	495511.06	3859351.99	3.03E-03	3.07E-03	3.06E-03	1.05E-06	3.17E-06	1.83E-06	1.83E-06	1.68E-06	7.68E-07	7.65E-07	0.00E+00	0.00E+00	3.37E-07	6.23E-08	4.00E-07	6.16E-08	5.92E-08	9.20E-07
1963	495561.06	3859351.99	2.99E-03	3.03E-03	3.02E-03	1.04E-06	3.13E-06	1.81E-06	1.81E-06	1.66E-06	7.58E-07	7.55E-07	0.00E+00	0.00E+00	3.33E-07	6.15E-08	3.95E-07	6.09E-08	5.85E-08	9.09E-07
1964	495611.06	3859351.99	2.97E-03	3.00E-03	2.99E-03	1.03E-06	3.10E-06	1.80E-06	1.80E-06	1.65E-06	7.51E-07	7.48E-07	0.00E+00	0.00E+00	3.30E-07	6.09E-08	3.91E-07	6.03E-08	5.79E-08	9.01E-07
1965	495661.06	3859351.99	2.92E-03	2.95E-03	2.94E-03	1.01E-06	3.05E-06	1.77E-06	1.77E-06	1.62E-06	7.40E-07	7.36E-07	0.00E+00	0.00E+00	3.25E-07	6.00E-08	3.85E-07	5.94E-08	5.70E-08	8.86E-07
1966	494311.06	3859401.99	4.25E-03	4.29E-03	4.32E-03	1.47E-06	4.44E-06	2.57E-06	2.57E-06	2.35E-06	1.07E-06	1.08E-06	0.00E+00	0.00E+00	4.73E-07	8.73E-08	5.59E-07	8.62E-08	8.37E-08	1.29E-06
1967	494361.06	3859401.99	4.16E-03	4.20E-03	4.22E-03	1.44E-06	4.35E-06	2.52E-06	2.52E-06	2.30E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.63E-07	8.54E-08	5.48E-07	8.44E-08	8.19E-08	1.26E-06
1968	494411.06	3859401.99	4.07E-03	4.11E-03	4.13E-03	1.41E-06	4.25E-06	2.46E-06	2.46E-06	2.26E-06	1.03E-06	1.03E-06	0.00E+00	0.00E+00	4.53E-07	8.36E-08	5.36E-07	8.26E-08	8.01E-08	1.24E-06
1969	494461.06	3859401.99	4.00E-03	4.04E-03	4.06E-03	1.39E-06	4.18E-06	2.42E-06	2.42E-06	2.22E-06	1.01E-06	1.02E-06	0.00E+00	0.00E+00	4.45E-07	8.22E-08	5.27E-07	8.13E-08	7.87E-08	1.21E-06
1970	494511.06	3859401.99	3.96E-03	4.00E-03	4.01E-03	1.37E-06	4.13E-06	2.39E-06	2.39E-06	2.19E-06	1.00E-06	1.00E-06	0.00E+00	0.00E+00	4.40E-07	8.12E-08	5.21E-07	8.03E-08	7.77E-08	1.20E-06
1971	494561.06	3859401.99	3.90E-03	3.94E-03	3.95E-03	1.35E-06	4.08E-06	2.36E-06	2.36E-06	2.16E-06	9.86E-07	9.90E-07	0.00E+00	0.00E+00	4.34E-07	8.01E-08	5.14E-07	7.92E-08	7.66E-08	1.18E-06
1972	494611.06	3859401.99	3.83E-03	3.87E-03	3.89E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.13E-06	9.70E-07	9.73E-07	0.00E+00	0.00E+00	4.27E-07	7.87E-08	5.05E-07	7.79E-08	7.53E-08	1.16E-06
1973	494661.06	3859401.99	3.79E-03	3.83E-03	3.84E-03	1.31E-06	3.96E-06	2.29E-06	2.29E-06	2.10E-06	9.58E-07	9.60E-07	0.00E+00	0.00E+00	4.21E-07	7.78E-08	4.99E-07	7.69E-08	7.43E-08	1.15E-06
1974	494711.06	3859401.99	3.73E-03	3.77E-03	3.78E-03	1.29E-06	3.90E-06	2.26E-06	2.26E-06	2.07E-06	9.43E-07	9.45E-07	0.00E+00	0.00E+00	4.15E-07	7.66E-08	4.91E-07	7.57E-08	7.32E-08	1.13E-06
1975	494761.06	3859401.99	3.63E-03	3.67E-03	3.67E-03	1.26E-06	3.79E-06	2.20E-06	2.20E-06	2.01E-06	9.18E-07	9.19E-07	0.00E+00	0.00E+00	4.04E-07	7.45E-08	4.78E-07	7.37E-08	7.12E-08	1.10E-06
1976	494811.06	3859401.99	3.55E-03	3.59E-03	3.60E-03	1.23E-06	3.71E-06	2.15E-06	2.15E-06	1.97E-06	8.99E-07	9.00E-07	0.00E+00	0.00E+00	3.96E-07	7.30E-08	4.68E-07	7.22E-08	6.97E-08	1.08E-06
1977	494861.06	3859401.99	3.46E-03	3.50E-03	3.50E-03	1.20E-06	3.62E-06	2.10E-06	2.10E-06	1.92E-06	8.76E-07	8.76E-07	0.00E+00	0.00E+00	3.85E-07	7.11E-08	4.56E-07	7.04E-08	6.79E-08	1.05E-06
1978	494911.06	3859401.99	3.40E-03	3.44E-03	3.44E-03	1.18E-06	3.55E-06	2.06E-06	2.06E-06	1.89E-06	8.60E-07	8.60E-07	0.00E+00	0.00E+00	3.78E-07	6.98E-08	4.48E-07	6.91E-08	6.66E-08	1.03E-06
1979	494961.06	3859401.99	3.37E-03	3.41E-03	3.41E-03	1.17E-06	3.52E-06	2.04E-06	2.04E-06	1.87E-06	8.53E-07	8.52E-07	0.00E+00	0.00E+00	3.75E-07	6.92E-08	4.44E-07	6.85E-08	6.60E-08	1.02E-06
1980	495011.06	3859401.99	3.34E-03	3.38E-03	3.38E-03	1.16E-06	3.49E-06	2.02E-06	2.02E-06	1.85E-06	8.46E-07	8.46E-07	0.00E+00	0.00E+00	3.72E-07	6.86E-08	4.41E-07	6.79E-08	6.55E-08	1.01E-06
1981	495061.06	3859401.99	3.32E-03	3.36E-03	3.36E-03	1.15E-06	3.47E-06	2.01E-06	2.01E-06	1.84E-06	8.41E-07	8.40E-07	0.00E+00	0.00E+00	3.70E-07	6.82E-08	4.38E-07	6.75E-08	6.51E-08	1.01E-06
1982	495111.06	3859401.99	3.27E-03	3.31E-03	3.31E-03	1.13E-06	3.42E-06	1.98E-06	1.98E-06	1.82E-06	8.28E-07	8.27E-07	0.00E+00	0.00E+00	3.64E-07	6.72E-08	4.31E-07	6.65E-08	6.41E-08	9.93E-07
1983	495161.06	3859401.99	3.26E-03	3.29E-03	3.29E-03	1.13E-06	3.40E-06	1.97E-06	1.97E-06	1.81E-06	8.24E-07	8.23E-07	0.00E+00	0.00E+00	3.62E-07	6.69E-08	4.29E-07	6.62E-08	6.37E-08	9.89E-07
1984	495211.06	3859401.99	3.24E-03	3.28E-03	3.28E-03	1.12E-06	3.39E-06	1.96E-06	1.96E-06	1.80E-06	8.21E-07	8.20E-07	0.00E+00	0.00E+00	3.61E-07	6.66E-08	4.28E-07	6.60E-08	6.35E-08	9.85E-07
1985	495261.06	3859401.99	3.22E-03	3.26E-03	3.25E-03	1.11E-06	3.36E-06	1.95E-06	1.95E-06	1.79E-06	8.15E-07	8.13E-07	0.00E+00	0.00E+00	3.58E-07	6.61E-08	4.24E-07	6.54E-08	6.30E-08	9.77E-07
1986	495311.06	3859401.99	3.19E-03	3.23E-03	3.22E-03	1.10E-06	3.33E-06	1.93E-06	1.93E-06	1.77E-06	8.07E-07	8.06E-07	0.00E+00	0.00E+00	3.55E-07	6.55E-08	4.20E-07	6.48E-08	6.24E-08	9.68E-07
1987	495361.06	3859401.99	3.18E-03	3.22E-03	3.21E-03	1.10E-06	3.33E-06	1.93E-06	1.93E-06	1.77E-06	8.06E-07	8.04E-07	0.00E+00	0.00E+00	3.54E-07	6.54E-08	4.20E-07	6.47E-08	6.23E-08	9.66E-07
1988	495411.06	3859401.99	3.16E-03	3.20E-03	3.19E-03	1.09E-06	3.31E-06	1.91E-06	1.91E-06	1.75E-06	8.01E-07	7.99E-07	0.00E+00	0.00E+00	3.52E-07	6.49E-08	4.17E-07	6.43E-08	6.19E-08	9.60E-07

1989	495461.06	3859401.99	3.13E-03	3.16E-03	3.16E-03	1.08E-06	3.27E-06	1.89E-06	1.89E-06	1.74E-06	7.92E-07	7.90E-07	0.00E+00	0.00E+00	3.48E-07	6.42E-08	4.12E-07	6.36E-08	6.12E-08	9.50E-07
1990	495511.06	3859401.99	3.08E-03	3.12E-03	3.11E-03	1.07E-06	3.22E-06	1.86E-06	1.86E-06	1.71E-06	7.80E-07	7.78E-07	0.00E+00	0.00E+00	3.43E-07	6.33E-08	4.06E-07	6.26E-08	6.02E-08	9.35E-07
1991	495561.06	3859401.99	3.03E-03	3.06E-03	3.05E-03	1.05E-06	3.16E-06	1.83E-06	1.83E-06	1.68E-06	7.66E-07	7.64E-07	0.00E+00	0.00E+00	3.37E-07	6.22E-08	3.99E-07	6.15E-08	5.92E-08	9.19E-07
1992	495611.06	3859401.99	3.00E-03	3.03E-03	3.02E-03	1.04E-06	3.13E-06	1.81E-06	1.81E-06	1.66E-06	7.58E-07	7.56E-07	0.00E+00	0.00E+00	3.33E-07	6.15E-08	3.95E-07	6.09E-08	5.85E-08	9.09E-07
1993	495661.06	3859401.99	2.97E-03	3.00E-03	2.99E-03	1.03E-06	3.10E-06	1.80E-06	1.80E-06	1.65E-06	7.52E-07	7.49E-07	0.00E+00	0.00E+00	3.30E-07	6.10E-08	3.91E-07	6.04E-08	5.80E-08	9.01E-07
1994	494311.06	3859451.99	4.28E-03	4.32E-03	4.35E-03	1.48E-06	4.48E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.77E-07	8.79E-08	5.63E-07	8.69E-08	8.44E-08	1.30E-06
1995	494361.06	3859451.99	4.20E-03	4.24E-03	4.27E-03	1.45E-06	4.39E-06	2.54E-06	2.54E-06	2.33E-06	1.06E-06	1.07E-06	0.00E+00	0.00E+00	4.68E-07	8.63E-08	5.53E-07	8.53E-08	8.28E-08	1.28E-06
1996	494411.06	3859451.99	4.09E-03	4.13E-03	4.16E-03	1.42E-06	4.28E-06	2.48E-06	2.48E-06	2.27E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.55E-07	8.40E-08	5.38E-07	8.30E-08	8.05E-08	1.24E-06
1997	494461.06	3859451.99	4.05E-03	4.09E-03	4.11E-03	1.40E-06	4.23E-06	2.45E-06	2.45E-06	2.24E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.51E-07	8.32E-08	5.33E-07	8.22E-08	7.97E-08	1.23E-06
1998	494511.06	3859451.99	3.99E-03	4.03E-03	4.05E-03	1.38E-06	4.17E-06	2.41E-06	2.41E-06	2.21E-06	1.01E-06	1.01E-06	0.00E+00	0.00E+00	4.44E-07	8.19E-08	5.25E-07	8.09E-08	7.84E-08	1.21E-06
1999	494561.06	3859451.99	3.93E-03	3.97E-03	3.99E-03	1.36E-06	4.11E-06	2.38E-06	2.38E-06	2.18E-06	9.94E-07	9.99E-07	0.00E+00	0.00E+00	4.38E-07	8.08E-08	5.18E-07	7.98E-08	7.73E-08	1.19E-06
2000	494611.06	3859451.99	3.90E-03	3.94E-03	3.96E-03	1.35E-06	4.07E-06	2.36E-06	2.36E-06	2.16E-06	9.86E-07	9.90E-07	0.00E+00	0.00E+00	4.34E-07	8.01E-08	5.13E-07	7.92E-08	7.67E-08	1.18E-06
2001	494661.06	3859451.99	3.83E-03	3.87E-03	3.88E-03	1.33E-06	4.00E-06	2.32E-06	2.32E-06	2.12E-06	9.69E-07	9.72E-07	0.00E+00	0.00E+00	4.26E-07	7.87E-08	5.04E-07	7.78E-08	7.53E-08	1.16E-06
2002	494711.06	3859451.99	3.76E-03	3.80E-03	3.82E-03	1.30E-06	3.93E-06	2.28E-06	2.28E-06	2.09E-06	9.52E-07	9.55E-07	0.00E+00	0.00E+00	4.19E-07	7.73E-08	4.96E-07	7.64E-08	7.39E-08	1.14E-06
2003	494761.06	3859451.99	3.71E-03	3.75E-03	3.76E-03	1.28E-06	3.87E-06	2.24E-06	2.24E-06	2.05E-06	9.38E-07	9.40E-07	0.00E+00	0.00E+00	4.13E-07	7.61E-08	4.88E-07	7.53E-08	7.28E-08	1.12E-06
2004	494811.06	3859451.99	3.62E-03	3.66E-03	3.67E-03	1.25E-06	3.79E-06	2.19E-06	2.19E-06	2.01E-06	9.17E-07	9.19E-07	0.00E+00	0.00E+00	4.03E-07	7.44E-08	4.77E-07	7.36E-08	7.11E-08	1.10E-06
2005	494861.06	3859451.99	3.56E-03	3.59E-03	3.60E-03	1.23E-06	3.72E-06	2.15E-06	2.15E-06	1.97E-06	8.99E-07	9.01E-07	0.00E+00	0.00E+00	3.96E-07	7.30E-08	4.68E-07	7.22E-08	6.98E-08	1.08E-06
2006	494911.06	3859451.99	3.50E-03	3.54E-03	3.55E-03	1.21E-06	3.66E-06	2.12E-06	2.12E-06	1.94E-06	8.86E-07	8.87E-07	0.00E+00	0.00E+00	3.90E-07	7.19E-08	4.61E-07	7.12E-08	6.87E-08	1.06E-06
2007	494961.06	3859451.99	3.47E-03	3.51E-03	3.51E-03	1.20E-06	3.63E-06	2.10E-06	2.10E-06	1.92E-06	8.78E-07	8.79E-07	0.00E+00	0.00E+00	3.86E-07	7.13E-08	4.57E-07	7.05E-08	6.80E-08	1.05E-06
2008	495011.06	3859451.99	3.43E-03	3.47E-03	3.47E-03	1.19E-06	3.58E-06	2.08E-06	2.08E-06	1.90E-06	8.68E-07	8.68E-07	0.00E+00	0.00E+00	3.82E-07	7.04E-08	4.52E-07	6.97E-08	6.72E-08	1.04E-06
2009	495061.06	3859451.99	3.39E-03	3.43E-03	3.43E-03	1.17E-06	3.54E-06	2.05E-06	2.05E-06	1.88E-06	8.58E-07	8.58E-07	0.00E+00	0.00E+00	3.77E-07	6.96E-08	4.47E-07	6.89E-08	6.65E-08	1.03E-06
2010	495111.06	3859451.99	3.35E-03	3.39E-03	3.39E-03	1.16E-06	3.50E-06	2.03E-06	2.03E-06	1.86E-06	8.48E-07	8.48E-07	0.00E+00	0.00E+00	3.73E-07	6.88E-08	4.41E-07	6.81E-08	6.57E-08	1.02E-06
2011	495161.06	3859451.99	3.33E-03	3.37E-03	3.37E-03	1.15E-06	3.48E-06	2.01E-06	2.01E-06	1.85E-06	8.43E-07	8.42E-07	0.00E+00	0.00E+00	3.71E-07	6.84E-08	4.39E-07	6.77E-08	6.52E-08	1.01E-06
2012	495211.06	3859451.99	3.31E-03	3.35E-03	3.35E-03	1.15E-06	3.46E-06	2.01E-06	2.01E-06	1.84E-06	8.39E-07	8.39E-07	0.00E+00	0.00E+00	3.69E-07	6.81E-08	4.37E-07	6.73E-08	6.49E-08	1.01E-06
2013	495261.06	3859451.99	3.30E-03	3.33E-03	3.33E-03	1.14E-06	3.45E-06	1.99E-06	1.99E-06	1.83E-06	8.34E-07	8.34E-07	0.00E+00	0.00E+00	3.67E-07	6.77E-08	4.34E-07	6.70E-08	6.46E-08	1.00E-06
2014	495311.06	3859451.99	3.27E-03	3.30E-03	3.30E-03	1.13E-06	3.41E-06	1.98E-06	1.98E-06	1.81E-06	8.26E-07	8.26E-07	0.00E+00	0.00E+00	3.63E-07	6.71E-08	4.30E-07	6.64E-08	6.39E-08	9.91E-07
2015	495361.06	3859451.99	3.24E-03	3.28E-03	3.27E-03	1.12E-06	3.39E-06	1.96E-06	1.96E-06	1.80E-06	8.20E-07	8.19E-07	0.00E+00	0.00E+00	3.61E-07	6.65E-08	4.27E-07	6.58E-08	6.34E-08	9.83E-07
2016	495411.06	3859451.99	3.21E-03	3.24E-03	3.24E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.78E-06	8.12E-07	8.11E-07	0.00E+00	0.00E+00	3.57E-07	6.59E-08	4.23E-07	6.52E-08	6.28E-08	9.74E-07
2017	495461.06	3859451.99	3.18E-03	3.22E-03	3.21E-03	1.10E-06	3.33E-06	1.93E-06	1.93E-06	1.77E-06	8.05E-07	8.04E-07	0.00E+00	0.00E+00	3.54E-07	6.53E-08	4.19E-07	6.47E-08	6.23E-08	9.66E-07
2018	495511.06	3859451.99	3.13E-03	3.16E-03	3.16E-03	1.08E-06	3.27E-06	1.89E-06	1.89E-06	1.73E-06	7.91E-07	7.90E-07	0.00E+00	0.00E+00	3.48E-07	6.42E-08	4.12E-07	6.36E-08	6.12E-08	9.49E-07
2019	495561.06	3859451.99	3.09E-03	3.13E-03	3.12E-03	1.07E-06	3.23E-06	1.87E-06	1.87E-06	1.71E-06	7.82E-07	7.81E-07	0.00E+00	0.00E+00	3.44E-07	6.35E-08	4.07E-07	6.28E-08	6.05E-08	9.38E-07
2020	495611.06	3859451.99	3.06E-03	3.09E-03	3.08E-03	1.06E-06	3.19E-06	1.85E-06	1.85E-06	1.70E-06	7.74E-07	7.72E-07	0.00E+00	0.00E+00	3.40E-07	6.28E-08	4.03E-07	6.21E-08	5.98E-08	9.28E-07
2021	495661.06	3859451.99	3.02E-03	3.06E-03	3.05E-03	1.05E-06	3.16E-06	1.83E-06	1.83E-06	1.68E-06	7.66E-07	7.64E-07	0.00E+00	0.00E+00	3.37E-07	6.21E-08	3.99E-07	6.15E-08	5.91E-08	9.18E-07
2022	494311.06	3859501.99	4.33E-03	4.37E-03	4.41E-03	1.50E-06	4.52E-06	2.62E-06	2.62E-06	2.40E-06	1.09E-06	1.10E-06	0.00E+00	0.00E+00	4.82E-07	8.89E-08	5.69E-07	8.78E-08	8.54E-08	1.31E-06
2023	494361.06	3859501.99	4.25E-03	4.29E-03	4.32E-03	1.47E-06	4.44E-06	2.57E-06	2.57E-06	2.35E-06	1.07E-06	1.08E-06	0.00E+00	0.00E+00	4.73E-07	8.72E-08	5.59E-07	8.62E-08	8.37E-08	1.29E-06
2024	494411.06	3859501.99	4.11E-03	4.15E-03	4.18E-03	1.42E-06	4.30E-06	2.49E-06	2.49E-06	2.28E-06	1.04E-06	1.05E-06	0.00E+00	0.00E+00	4.58E-07	8.45E-08	5.41E-07	8.35E-08	8.10E-08	1.25E-06
2025	494461.06	3859501.99	4.10E-03	4.15E-03	4.17E-03	1.42E-06	4.29E-06	2.48E-06	2.48E-06	2.27E-06	1.04E-06	1.04E-06	0.00E+00	0.00E+00	4.57E-07	8.43E-08	5.40E-07	8.33E-08	8.09E-08	1.25E-06
2026	494511.06	3859501.99	4.03E-03	4.07E-03	4.10E-03	1.40E-06	4.21E-06	2.44E-06	2.44E-06	2.23E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.49E-07	8.28E-08	5.31E-07	8.18E-08	7.94E-08	1.22E-06
2027	494561.06	3859501.99	3.97E-03	4.01E-03	4.03E-03	1.37E-06	4.15E-06	2.40E-06	2.40E-06	2.20E-06	1.00E-06	1.01E-06	0.00E+00	0.00E+00	4.42E-07	8.15E-08	5.22E-07	8.06E-08	7.81E-08	1.20E-06
2028	494611.06	3859501.99	3.96E-03	4.00E-03	4.03E-03	1.37E-06	4.14E-06	2.40E-06	2.40E-06	2.20E-06	1.00E-06	1.01E-06	0.00E+00	0.00E+00	4.41E-07	8.14E-08	5.22E-07	8.05E-08	7.80E-08	1.20E-06
2029	494661.06	3859501.99	3.89E-03	3.93E-03	3.94E-03	1.35E-06	4.06E-06	2.35E-06	2.35E-06	2.15E-06	9.82E-07	9.87E-07	0.00E+00	0.00E+00	4.33E-07	7.98E-08	5.12E-07	7.89E-08	7.64E-08	1.18E-06
2030	494711.06	3859501.99	3.79E-03	3.83E-03	3.85E-03	1.31E-06	3.97E-06	2.30E-06	2.30E-06	2.10E-06	9.59E-07	9.64E-07	0.00E+00	0.00E+00	4.22E-07	7.79E-08	5.00E-07	7.70E-08	7.46E-08	1.15E-06
2031	494761.06	3859501.99	3.77E-03	3.81E-03	3.83E-03	1.31E-06	3.94E-06	2.28E-06	2.28E-06	2.09E-06	9.54E-07	9.58E-07	0.00E+00	0.00E+00	4.20E-07	7.75E-08	4.97E-07	7.66E-08	7.42E-08	1.14E-06
2032	494811.06	3859501.99	3.66E-03	3.70E-03	3.71E-03	1.27E-06	3.83E-06	2.22E-06	2.22E-06	2.03E-06	9.26E-07	9.29E-07	0.00E+00	0.00E+00	4.08E-07	7.52E-08	4.82E-07	7.44E-08	7.19E-08	1.11E-06
2033	494861.06	3859501.99	3.61E-03	3.65E-03	3.66E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	2.00E-06	9.14E-07	9.16E-07	0.00E+00	0.00E+00	4.02E-07	7.42E-08	4.76E-07	7.34E-08	7.10E-08	1.10E-06
2034	494911.06	3859501.99	3.58E-03	3.62E-03	3.63E-03	1.24E-06	3.74E-06	2.17E-06	2.17E-06	1.99E-06	9.06E-07	9.08E-07	0.00E+00	0.00E+00	3.99E-07	7.36E-08	4.72E-07	7.27E-08	7.03E-08	1.09E-06
2035	494961.06	3859501.99	3.52E-03	3.56E-03	3.57E-03	1.22E-06	3.68E-06	2.13E-06	2.13E-06	1.95E-06	8.91E-07	8.93E-07	0.00E+00	0.00E+00	3.92E-07	7.24E-08	4.64E-07	7.16E-08	6.92E-08	1.07E-06
2036	495011.06	3859501.99	3.49E-03	3.53E-03	3.54E-03	1.21E-06	3.65E-06	2.11E-06	2.11E-06	1.94E-06	8.84E-07	8.86E-07	0.00E+00	0.00E+00	3.89E-07	7.18E-08	4.60E-07	7.10E-08	6.86E-08	1.06E-06
2037	495061.06	3859501.99	3.47E-03	3.50E-03	3.51E-03	1.20E-06	3.62E-06	2.10E-06	2.10E-06	1.92E-06	8.77E-07	8.78E-07	0.00E+00	0.00E+00	3.86E-07	7.12E-08	4.57E-07	7.04E-08	6.80E-08	1.05E-06
2038	495111.06	3859501.99	3.41E-03	3.45E-03	3.45E-03	1.18E-06	3.57E-06	2.06E-06	2.06E-06	1.89E-06	8.63E-07	8.64E-07	0.00E+00	0.00E+00	3.80E-07	7.01E-08	4.50E-07	6.93E-08	6.69E-08	1.04E-06
2039	495161.06	3859501.99	3.39E-03	3.42E-03	3.43E-03	1.17E-06	3.54E-06	2.05E-06	2.05E-06	1.88E-06	8.57E-07	8.58E-07	0.00E+00	0.00E+00	3.77E-07	6.96E-08	4.46E-07	6.88E-08	6.64E-08	1.03E-06
2040	495211.06	3859501.99	3.37E-03	3.41E-03	3.41E-03	1.17E-06	3.53E-06	2.04E-06	2.04E-06	1.87E-06	8.54E-07	8.54E-07	0.00E+00	0.00E+00	3.76E-07	6.93E-08	4.44E-07	6.85E-08	6.62E-08	1.02E-06
2041	495261.06	3859501.99	3.35E-03	3.38E-03	3.39E-03	1.16E-06	3.50E-06	2.03E-06	2.03E-06	1.86E-06	8.47E-07	8.48E-07	0.00E+00	0.00E+00	3.73E-07	6.88E-08	4.41E-07	6.80E-08	6.56E-08	1.02E-06
2042	495311.06	3859501.99	3.33E-03	3.36E-03	3.37E-03	1.15E-06	3.48E-06	2.01E-06	2.01E-06	1.85E-06	8.42E-07	8.42E-07	0.00E+00	0.00E+00	3.70E-07	6.83E-08	4.38E-07	6.76E-08	6.52E-08	1.01E-06
2043	495361.06	3859501.99	3.30E-03	3.33E-03	3.34E-03	1.14E-06	3.45E-06	2.00E-06	2.00E-06	1.83E-06	8.35E-07	8.35E-07	0.00E+00	0.00E+00	3.67E-07	6.77E-08	4.35E-07	6.70E-08	6.46E-08	1.00E-06
2044	495411.06	3859501.99	3.27E-03	3.31E-03	3.31E-03	1.13E-06	3.42E-06	1.98E-06	1.98E-06	1.81E-06	8.28E-07	8.28E-07	0.00E+00	0.00E+00	3.64E-07	6.72E-08	4.31E-07	6.65E-08	6.41E-08	9.93E-07
2045	495461.06	3859501.99	3.24E-03	3.27E-03	3.27E-03	1.12E-06	3.38E-06	1.96E-06	1.96E-06	1.80E-06	8.19E-07	8.19E-07	0.00E+00	0.00E+00	3.60E-07	6.65E-08	4.27E-07	6.58E-08	6.34E-08	9.83E-07
2046	495511.06	3859501.99	3.17E-03	3.20E-03	3.20E-03	1.10E-06	3.31E-06	1.92E-06	1.92E-06	1.76E-06	8.02E-07	8.01E-07	0.00E+00	0.00E+00	3.53E-07	6.51E-08	4.18E-07	6.44E-08	6.20E-08	9.62E-07
2047	495561.06	3859501.99	3.15E-03	3.19E-03	3.19E-03	1.09E-06	3.30E-06	1.91E-06	1.91E-06	1.75E-06	7.98E-07	7.97E-07	0.00E+00	0.00E+00	3.51E-07	6.48E-08	4.16E-07	6.41E-08	6.17E-08	9.57E-07
2048	495611.06	3859501.99	3.11E-03	3.15E-03	3.15E-03	1.08E-06	3.26E-06	1.88E-06	1.88E-06	1.73E-06	7.88E-07	7.88E-07	0.00E+00	0.00E+00	3.47E-07	6.40E-08	4.11E-07	6.33E-08	6.10E-08	9.46E-07
2049	495661.06	3859501.99	3.07E-03	3.11E-03	3.10E-03	1.06E-06	3.21E-06	1.86E-06	1.86E-06	1.71E-06	7.78E-07	7.77E-07	0.00E+00	0.00E+00	3.42E-07	6.31E-08	4.05E-07	6.25E-08	6.02E-08	9.33E-07
2050	494311.06	3859551.99	4.36E-03	4.41E-03	4.45E-03	1.51E-06	4.56E-06	2.64E-06	2.64E-06	2.42E-06	1.10E-06	1.11E-06	0.00E+00	0.00E+00	4.86E-07	8.96E-08	5.74E-07	8.85E-08	8.62E-08	1.32E-06
2051	494361.06	3859551.99	4.27E-03	4.31E-03	4.35E-03	1.48E-06	4.46E-06	2.58E-06	2.58E-06	2.36E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.75E-07	8.77E-08	5.62E-07	8.66E-08	8.42E-08	1.30E-06
2052	494411.06	3859551.99	4.13E-03	4.17E-03	4.20E-03	1.43E-06	4.32E-06	2.50E-06	2.50E-06	2.29E-06	1.04E-06	1.05E-06	0.00E+00	0.00E+00	4.60E-07	8.48E-08	5.44E-07	8.38E-08	8.14E-08	1.25E-06
2053	494461.06	3859551.99	4.14E-03	4.18E-03	4.22E-03	1.43E-06	4.33E-06	2.51E-06	2.51E-06	2.29E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.61E-07	8.51E-08	5.45E-07	8.41E-08	8.17E-08	1.26E-06
2054	494511.06	3859551.99	4.07E-03	4.11E-03	4.14E-03	1.41E-06	4.26E-06	2.46E-06	2.46E-06	2.26E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.53E-07	8.36E-08	5.36E-07	8.26E-08	8.03E-08	1.24E-06
2055	494561.06	3859551.99	4.02E-03	4.06E-03	4.08E-03	1.39E-06	4.20E-06	2.43E-06	2.43E-06	2.22E-06	1.02E-06	1.02E-06	0.00E+00	0.00E+00	4.47E-07	8.25E-08	5.29E-07	8.15E-08	7.91E-08	1.22E-06
2056	494611.06	3859551.99	3.98E-03	4.02E-03	4.05E-03	1.38E-06	4.16E-06	2.41E-06	2.41E-06	2.21E-06	1.01E-06	1.01E-06	0.00E+00	0.00E+00	4.43E-07	8.18E-08	5.24E-07	8.09E-08	7.85E-08	1.21E-06
2057	494661.06	3859551.99	3.94E-03	3.98E-03	4.00E-03	1.36E-06	4.12E-06	2.38E-06	2.38E-06	2.18E-06	9.95E-07	1.00E-06	0.00E+00	0.00E+00	4.38E-07	8.09E-08	5.18E-07	7.99E-08	7.75E-08	1.19E-06
2058	494711.06	3859551.99	3.80E-03	3.84E-03	3.86E-03	1.32E-06	3.97E-06	2.30E-06	2.30E-06	2.11E-06	9.61E-07	9.66E-07	0.00E+00	0.00E+00	4.23E-07	7.81E-08	5.01E-07	7.72E-08	7.48E-08	1.15E-06
2059	494761.06	3859551.99	3.82E-03	3.86E-03	3.88E-03	1.32E-06	3.99E-06	2.31E-06	2.31E-06	2.12E-06	9.66E-07	9.71E-07	0.00E+00	0.00E+00	4.25E-07	7.84E-08	5.03E-07	7.75E-08	7.52E-08	1.16E-06
2060	494811.06	3859551.99	3.72E-03	3.76E-03	3.78E-03	1.29E-06	3.89E-06	2.25E-06	2.25E-06	2.06E-06	9.41E-07	9.46E-07	0.00E+00	0.00E+00	4.14E-07	7.65E-08	4.90E-07	7.56E-08	7.32E-08	1.13E-06
2061	494861.06	3859551.99	3.68E-03	3.72E-03	3.73E-03	1.27E-06	3.84E-06	2.23E-06	2.23E-06	2.04E-06	9.30E-07	9.34E-07	0.00E+00	0.00E+00	4.09E-07	7.55E-08	4.84E-07	7.47E-08	7.23E-08	1.12E-06
2062	494911.06	3859551.99	3.62E-03	3.66E-03	3.67E-03	1.25E-06	3.79E-06	2.19E-06	2.19E-06	2.01E-06	9.16E-07	9.20E-07	0.00E+00	0.00E+00	4.03E-07	7.44E-08	4.77E-07	7.36E-08	7.12E-08	1.10E-06
2063	494961.06	3859551.99	3.59E-03	3.63E-03	3.64E-03	1.24E-06	3.76E-06	2.17E-06	2.17E-06	1.99E-06	9.09E-07	9.12E-07	0.00E+00	0.00E+00	4.00E-07	7.38E-08	4.73E-07	7.30E-08	7.06E-08	1.09E-06
2064	495011.06	3859551.99	3.57E-03	3.61E-03	3.62E-03	1.24E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.03E-07	9.06E-07	0.00E+00	0.00E+00	3.97E-07	7.33E-08	4.70E-07	7.25E-08	7.02E-08	1.08E-06
2065	495061.06	3859551.99	3.53E-03	3.57E-03	3.58E-03	1.22E-06	3.69E-06	2.14E-06	2.14E-06	1.96E-06	8.93E-07	8.95E-07	0.00E+00	0.00E+00	3.93E-07	7.25E-08	4.65E-07	7.17E-08	6.93E-08	1.07E-06
2066	495111.06	3859551.99	3.48E-03	3.52E-03	3.53E-03	1.20E-06	3.64E-06	2.11E-06	2.11E-06	1.93E-06	8.80E-07	8.82E-07	0.00E+00	0.00E+00	3.87E-07	7.15E-08	4.58E-07	7.07E-08	6.83E-08	1.06E-06
2067	495161.06	3859551.99	3.46E-03	3.50E-03	3.50E-03	1.20E-06	3.61E-06	2.09E-06	2.09E-06	1.92E-06	8.75E-07	8.77E-07	0.00E+00	0.00E+00	3.85E-07	7.10E-08	4.56E-07	7.03E-08	6.79E-08	1.05E-06
2068	495211.06	3859551.99	3.44E-03	3.48E-03	3.49E-03	1.19E-06	3.60E-06	2.08E-06	2.08E-06	1.91E-06	8.71E-07	8.73E-07	0.00E+00	0.00E+00	3.83E-07	7.07E-08	4.54E-07	7.00E-08	6.76E-08	1.05E-06
2069	495261.06	3859551.99	3.40E-03	3.44E-03	3.45E-03	1.18E-06	3.56E-06	2.06E-06	2.06E-06	1.89E-06	8.61E-07	8.63E-07	0.00E+00	0.00E+00	3.79E-07	6.99E-08	4.48E-07	6.92E-08	6.68E-08	1.03E-06
2070	495311.06	3859551.99	3.37E-03	3.41E-03	3.41E-03	1.17E-06	3.52E-06	2.04E-06	2.04E-06	1.87E-06	8.53E-07	8.55E-07	0.00E+00	0.00E+00	3.75E-07	6.93E-08	4.44E-07	6.85E-08	6.62E-08	1.02E-06
2071	495361.06	3859551.99	3.35E-03	3.38E-03	3.39E-03	1.16E-06	3.50E-06	2.02E-06	2.02E-06	1.86E-06	8.47E-07	8.48E-07	0.00E+00	0.00E+00	3.72E-07	6.87E-08	4.41E-07	6.80E-08	6.56E-08	1.02E-06
2072	495411.06	3859551.99	3.33E-03	3.36E-03	3.37E-03	1.15E-06	3.48E-06	2.01E-06	2.01E-06	1.84E-06	8.42E-07	8.43E-07	0.00E+00	0.00E+00	3.70E-07	6.83E-08	4.38E-07	6.76E-08	6.52E-08	1.01E-06
2073	495461.06	3859551.99	3.28E-03	3.31E-03	3.32E-03	1.13E-06	3.42E-06	1.98E-06	1.98E-06	1.82E-06	8.29E-07	8.30E-07	0.00E+00	0.00E+00	3.65E-07	6.73E-08	4.32E-07	6.66E-08	6.43E-08	9.95E-07
2074	495511.06	3859551.99	3.23E-03	3.26E-03	3.26E-03	1.12E-06	3.37E-06	1.95E-06	1.95E-06	1.79E-06	8.16E-07	8.17E-07	0.00E+00	0.00E+00	3.59E-07	6.63E-08	4.25E-07	6.56E-08	6.32E-08	9.79E-07
2075	495561.06	3859551.99	3.19E-03	3.23E-03	3.23E-03	1.11E-06	3.34E-06	1.93E-06	1.93E-06	1.77E-06	8.08E-07	8.09E-07	0.00E+00	0.00E+00	3.56E-07	6.56E-08	4.21E-07	6.49E-08	6.26E-08	9.70E-07
2076	495611.06	3859551.99	3.16E-03	3.20E-03	3.20E-03	1.09E-06	3.31E-06	1.91E-06	1.91E-06	1.75E-06	8.00E-07	8.00E-07	0.00E+00	0.00E+00	3.52E-07	6.49E-08	4.17E-07	6.43E-08	6.20E-08	9.60E-07
2077	495661.06	3859551.99	3.12E-03	3.16E-03	3.16E-03	1.08E-06	3.26E-06	1.89E-06	1.89E-06	1.73E-06	7.90E-07	7.90E-07	0.00E+00	0.00E+00	3.48E-07	6.41E-08	4.11E-07	6.35E-08	6.12E-08	9.48E-07
2078	494311.06	3859601.99	4.41E-03	4.45E-03	4.50E-03	1.53E-06	4.61E-06	2.67E-06	2.67E-06	2.44E-06	1.11E-06	1.13E-06	0.00E+00	0.00E+00	4.91E-07	9.06E-08	5.80E-07	8.95E-08	8.72E-08	1.34E-06
2079	494361.06	3859601.99	4.26E-03	4.30E-03	4.34E-03	1.48E-06	4.45E-06	2.58E-06	2.58E-06	2.36E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.74E-07	8.75E-08	5.61E-07	8.64E-08	8.42E-08	1.29E-06
2080	494411.06	3859601.99	4.18E-03	4.22E-03	4.26E-03	1.45E-06	4.37E-06	2.53E-06	2.53E-06	2.31E-06	1.06E-06	1.06E-06	0.00E+00	0.00E+00	4.65E-07	8.58E-08	5.50E-07	8.48E-08	8.25E-08	1.27E-06
2081	494461.06	3859601.99	4.18E-03	4.22E-03	4.26E-03	1.45E-06	4.37E-06	2.53E-06	2.53E-06	2.32E-06	1.06E-06	1.07E-06	0.00E+00	0.00E+00	4.65E-07	8.59E-08	5.50E-07	8.48E-08	8.25E-08	1.27E-06
2082	494511.06	3859601.99	4.08E-03	4.12E-03	4.16E-03	1.41E-06	4.27E-06	2.47E-06	2.47E-06	2.26E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.55E-07	8.39E-08	5.37E-07	8.29E-08	8.06E-08	1.24E-06
2083	494561.06	3859601.99	4.07E-03	4.11E-03	4.15E-03	1.41E-06	4.26E-06	2.47E-06	2.47E-06	2.26E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.54E-07	8.37E-08	5.36E-07	8.27E-08	8.04E-08	1.24E-06
2084	494611.06	3859601.99	4.04E-03	4.08E-03	4.12E-03	1.40E-06	4.23E-06	2.45E-06	2.45E-06	2.24E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.50E-07	8.31E-08	5.32E-07	8.21E-08	7.98E-08	1.23E-06
2085	494661.06	3859601.99	3.94E-03	3.98E-03	4.01E-03	1.36E-06	4.12E-06	2.38E-06	2.38E-06	2.18E-06	9.96E-07	1.00E-06	0.00E+00	0.00E+00	4.38E-07	8.09E-08	5.18E-07	7.99E-08	7.76E-08	1.20E-06
2086	494711.06	3859601.99	3.85E-03	3.89E-03	3.91E-03	1.33E-06	4.02E-06	2.33E-06	2.33E-06	2.13E-06	9.73E-07	9.79E-07	0.00E+00	0.00E+00	4.28E-07	7.90E-08	5.07E-07	7.81E-08	7.58E-08	1.17E-06
2087	494761.06	3859601.99	3.89E-03	3.93E-03	3.95E-03	1.35E-06	4.06E-06	2.35E-06	2.35E-06	2.15E-06	9.83E-07	9.89E-07	0.00E+00	0.00E+00	4.33E-07	7.99E-08	5.12E-07	7.89E-08	7.66E-08	1.18E-06
2088	494811.06	3859601.99	3.79E-03	3.83E-03	3.85E-03	1.31E-06	3.96E-06	2.29E-06	2.29E-06	2.10E-06	9.58E-07	9.63E-07	0.00E+00	0.00E+00	4.22E-07	7.78E-08	4.99E-07	7.69E-08	7.46E-08	1.15E-06
2089	494861.06	3859601.99	3.75E-03	3.79E-03	3.81E-03	1.30E-06	3.92E-06	2.27E-06	2.27E-06	2.08E-06	9.47E-07	9.52E-07	0.00E+00	0.00E+00	4.17E-07	7.70E-08	4.93E-07	7.61E-08	7.38E-08	1.14E-06
2090	494911.06	3859601.99	3.67E-03	3.71E-03	3.73E-03	1.27E-06	3.84E-06	2.22E-06	2.22E-06	2.04E-06	9.29E-07	9.33E-07	0.00E+00	0.00E+00	4.09E-07	7.55E-08	4.84E-07	7.46E-08	7.23E-08	1.12E-06
2091	494961.06	3859601.99	3.68E-03	3.72E-03	3.73E-03	1.27E-06	3.84E-06	2.23E-06	2.23E-06	2.04E-06	9.30E-07	9.35E-07	0.00E+00	0.00E+00	4.09E-07	7.55E-08	4.84E-07	7.47E-08	7.24E-08	1.12E-06
2092	495011.06	3859601.99	3.60E-03	3.64E-03	3.65E-03	1.25E-06	3.76E-06	2.18E-06	2.18E-06	2.00E-06	9.11E-07	9.15E-07	0.00E+00	0.00E+00	4.01E-07	7.40E-08	4.74E-07	7.31E-08	7.08E-08	1.09E-06
2093	495061.06	3859601.99	3.59E-03	3.63E-03	3.64E-03	1.24E-06	3.75E-06	2.17E-06	2.17E-06	1.99E-06	9.08E-07	9.12E-07	0.00E+00	0.00E+00	4.00E-07	7.37E-08	4.73E-07	7.29E-08	7.06E-08	1.09E-06

2094	495111.06	3859601.99	3.54E-03	3.57E-03	3.59E-03	1.22E-06	3.70E-06	2.14E-06	2.14E-06	1.96E-06	8.94E-07	8.97E-07	0.00E+00	0.00E+00	3.94E-07	7.26E-08	4.66E-07	7.18E-08	6.95E-08	1.07E-06
2095	495161.06	3859601.99	3.52E-03	3.55E-03	3.57E-03	1.22E-06	3.67E-06	2.13E-06	2.13E-06	1.95E-06	8.89E-07	8.92E-07	0.00E+00	0.00E+00	3.91E-07	7.22E-08	4.63E-07	7.14E-08	6.91E-08	1.07E-06
2096	495211.06	3859601.99	3.48E-03	3.52E-03	3.53E-03	1.21E-06	3.64E-06	2.11E-06	2.11E-06	1.93E-06	8.81E-07	8.84E-07	0.00E+00	0.00E+00	3.88E-07	7.16E-08	4.59E-07	7.08E-08	6.85E-08	1.06E-06
2097	495261.06	3859601.99	3.46E-03	3.50E-03	3.51E-03	1.20E-06	3.62E-06	2.09E-06	2.09E-06	1.92E-06	8.75E-07	8.78E-07	0.00E+00	0.00E+00	3.85E-07	7.11E-08	4.56E-07	7.03E-08	6.80E-08	1.05E-06
2098	495311.06	3859601.99	3.44E-03	3.47E-03	3.48E-03	1.19E-06	3.59E-06	2.08E-06	2.08E-06	1.91E-06	8.70E-07	8.72E-07	0.00E+00	0.00E+00	3.83E-07	7.06E-08	4.53E-07	6.98E-08	6.75E-08	1.04E-06
2099	495361.06	3859601.99	3.40E-03	3.44E-03	3.45E-03	1.18E-06	3.56E-06	2.06E-06	2.06E-06	1.89E-06	8.61E-07	8.63E-07	0.00E+00	0.00E+00	3.79E-07	6.99E-08	4.48E-07	6.91E-08	6.68E-08	1.03E-06
2100	495411.06	3859601.99	3.38E-03	3.42E-03	3.43E-03	1.17E-06	3.53E-06	2.05E-06	2.05E-06	1.87E-06	8.55E-07	8.57E-07	0.00E+00	0.00E+00	3.76E-07	6.94E-08	4.45E-07	6.87E-08	6.64E-08	1.03E-06
2101	495461.06	3859601.99	3.32E-03	3.36E-03	3.36E-03	1.15E-06	3.47E-06	2.01E-06	2.01E-06	1.84E-06	8.40E-07	8.42E-07	0.00E+00	0.00E+00	3.70E-07	6.82E-08	4.37E-07	6.75E-08	6.52E-08	1.01E-06
2102	495511.06	3859601.99	3.27E-03	3.30E-03	3.31E-03	1.13E-06	3.41E-06	1.98E-06	1.98E-06	1.81E-06	8.26E-07	8.28E-07	0.00E+00	0.00E+00	3.64E-07	6.71E-08	4.30E-07	6.64E-08	6.41E-08	9.91E-07
2103	495561.06	3859601.99	3.25E-03	3.29E-03	3.29E-03	1.13E-06	3.40E-06	1.97E-06	1.97E-06	1.80E-06	8.23E-07	8.24E-07	0.00E+00	0.00E+00	3.62E-07	6.68E-08	4.29E-07	6.61E-08	6.38E-08	9.88E-07
2104	495611.06	3859601.99	3.19E-03	3.23E-03	3.23E-03	1.11E-06	3.34E-06	1.93E-06	1.93E-06	1.77E-06	8.08E-07	8.08E-07	0.00E+00	0.00E+00	3.55E-07	6.56E-08	4.21E-07	6.49E-08	6.26E-08	9.69E-07
2105	495661.06	3859601.99	3.17E-03	3.21E-03	3.21E-03	1.10E-06	3.31E-06	1.92E-06	1.92E-06	1.76E-06	8.02E-07	8.03E-07	0.00E+00	0.00E+00	3.53E-07	6.51E-08	4.18E-07	6.44E-08	6.22E-08	9.62E-07
2106	494311.06	3859651.99	4.42E-03	4.45E-03	4.51E-03	1.53E-06	4.61E-06	2.67E-06	2.67E-06	2.44E-06	1.11E-06	1.13E-06	0.00E+00	0.00E+00	4.91E-07	9.07E-08	5.81E-07	8.95E-08	8.73E-08	1.34E-06
2107	494361.06	3859651.99	4.28E-03	4.32E-03	4.36E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.76E-07	8.79E-08	5.63E-07	8.68E-08	8.45E-08	1.30E-06
2108	494411.06	3859651.99	4.22E-03	4.26E-03	4.31E-03	1.46E-06	4.42E-06	2.56E-06	2.56E-06	2.34E-06	1.07E-06	1.08E-06	0.00E+00	0.00E+00	4.70E-07	8.68E-08	5.56E-07	8.57E-08	8.35E-08	1.28E-06
2109	494461.06	3859651.99	4.22E-03	4.26E-03	4.31E-03	1.46E-06	4.41E-06	2.56E-06	2.56E-06	2.34E-06	1.07E-06	1.08E-06	0.00E+00	0.00E+00	4.70E-07	8.67E-08	5.56E-07	8.57E-08	8.34E-08	1.28E-06
2110	494511.06	3859651.99	4.16E-03	4.20E-03	4.24E-03	1.44E-06	4.35E-06	2.52E-06	2.52E-06	2.31E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.64E-07	8.55E-08	5.48E-07	8.45E-08	8.22E-08	1.26E-06
2111	494561.06	3859651.99	4.13E-03	4.17E-03	4.20E-03	1.43E-06	4.31E-06	2.50E-06	2.50E-06	2.28E-06	1.04E-06	1.05E-06	0.00E+00	0.00E+00	4.59E-07	8.48E-08	5.43E-07	8.37E-08	8.15E-08	1.25E-06
2112	494611.06	3859651.99	4.09E-03	4.12E-03	4.16E-03	1.41E-06	4.27E-06	2.47E-06	2.47E-06	2.26E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.55E-07	8.39E-08	5.37E-07	8.29E-08	8.06E-08	1.24E-06
2113	494661.06	3859651.99	3.97E-03	4.01E-03	4.04E-03	1.37E-06	4.15E-06	2.40E-06	2.40E-06	2.20E-06	1.00E-06	1.01E-06	0.00E+00	0.00E+00	4.42E-07	8.15E-08	5.22E-07	8.05E-08	7.83E-08	1.20E-06
2114	494711.06	3859651.99	3.93E-03	3.97E-03	4.00E-03	1.36E-06	4.11E-06	2.38E-06	2.38E-06	2.18E-06	9.94E-07	1.00E-06	0.00E+00	0.00E+00	4.38E-07	8.08E-08	5.18E-07	7.98E-08	7.75E-08	1.19E-06
2115	494761.06	3859651.99	3.91E-03	3.95E-03	3.98E-03	1.35E-06	4.09E-06	2.37E-06	2.37E-06	2.17E-06	9.88E-07	9.96E-07	0.00E+00	0.00E+00	4.35E-07	8.03E-08	5.15E-07	7.93E-08	7.71E-08	1.19E-06
2116	494811.06	3859651.99	3.84E-03	3.88E-03	3.91E-03	1.33E-06	4.02E-06	2.33E-06	2.33E-06	2.13E-06	9.71E-07	9.78E-07	0.00E+00	0.00E+00	4.28E-07	7.89E-08	5.06E-07	7.80E-08	7.57E-08	1.17E-06
2117	494861.06	3859651.99	3.81E-03	3.85E-03	3.87E-03	1.32E-06	3.98E-06	2.31E-06	2.31E-06	2.11E-06	9.63E-07	9.69E-07	0.00E+00	0.00E+00	4.24E-07	7.82E-08	5.01E-07	7.73E-08	7.51E-08	1.16E-06
2118	494911.06	3859651.99	3.76E-03	3.80E-03	3.82E-03	1.30E-06	3.93E-06	2.28E-06	2.28E-06	2.08E-06	9.51E-07	9.57E-07	0.00E+00	0.00E+00	4.19E-07	7.72E-08	4.95E-07	7.63E-08	7.41E-08	1.14E-06
2119	494961.06	3859651.99	3.72E-03	3.76E-03	3.79E-03	1.29E-06	3.89E-06	2.25E-06	2.25E-06	2.06E-06	9.42E-07	9.47E-07	0.00E+00	0.00E+00	4.15E-07	7.65E-08	4.90E-07	7.56E-08	7.34E-08	1.13E-06
2120	495011.06	3859651.99	3.68E-03	3.72E-03	3.74E-03	1.27E-06	3.85E-06	2.23E-06	2.23E-06	2.04E-06	9.30E-07	9.36E-07	0.00E+00	0.00E+00	4.10E-07	7.56E-08	4.84E-07	7.47E-08	7.24E-08	1.12E-06
2121	495061.06	3859651.99	3.65E-03	3.69E-03	3.71E-03	1.26E-06	3.82E-06	2.21E-06	2.21E-06	2.02E-06	9.24E-07	9.29E-07	0.00E+00	0.00E+00	4.07E-07	7.50E-08	4.81E-07	7.42E-08	7.19E-08	1.11E-06
2122	495111.06	3859651.99	3.61E-03	3.64E-03	3.66E-03	1.25E-06	3.77E-06	2.18E-06	2.18E-06	2.00E-06	9.12E-07	9.16E-07	0.00E+00	0.00E+00	4.01E-07	7.41E-08	4.75E-07	7.32E-08	7.10E-08	1.09E-06
2123	495161.06	3859651.99	3.57E-03	3.61E-03	3.63E-03	1.24E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.03E-07	9.08E-07	0.00E+00	0.00E+00	3.98E-07	7.34E-08	4.70E-07	7.25E-08	7.03E-08	1.08E-06
2124	495211.06	3859651.99	3.55E-03	3.58E-03	3.60E-03	1.23E-06	3.71E-06	2.15E-06	2.15E-06	1.97E-06	8.97E-07	9.01E-07	0.00E+00	0.00E+00	3.95E-07	7.29E-08	4.67E-07	7.20E-08	6.98E-08	1.08E-06
2125	495261.06	3859651.99	3.51E-03	3.55E-03	3.56E-03	1.22E-06	3.67E-06	2.13E-06	2.13E-06	1.95E-06	8.88E-07	8.92E-07	0.00E+00	0.00E+00	3.91E-07	7.21E-08	4.62E-07	7.13E-08	6.91E-08	1.07E-06
2126	495311.06	3859651.99	3.48E-03	3.52E-03	3.53E-03	1.21E-06	3.64E-06	2.11E-06	2.11E-06	1.93E-06	8.81E-07	8.84E-07	0.00E+00	0.00E+00	3.88E-07	7.15E-08	4.59E-07	7.07E-08	6.85E-08	1.06E-06
2127	495361.06	3859651.99	3.46E-03	3.49E-03	3.51E-03	1.20E-06	3.61E-06	2.09E-06	2.09E-06	1.92E-06	8.74E-07	8.78E-07	0.00E+00	0.00E+00	3.85E-07	7.10E-08	4.55E-07	7.02E-08	6.80E-08	1.05E-06
2128	495411.06	3859651.99	3.42E-03	3.46E-03	3.47E-03	1.19E-06	3.58E-06	2.07E-06	2.07E-06	1.90E-06	8.66E-07	8.69E-07	0.00E+00	0.00E+00	3.81E-07	7.03E-08	4.51E-07	6.95E-08	6.73E-08	1.04E-06
2129	495461.06	3859651.99	3.37E-03	3.40E-03	3.41E-03	1.16E-06	3.52E-06	2.04E-06	2.04E-06	1.87E-06	8.51E-07	8.54E-07	0.00E+00	0.00E+00	3.75E-07	6.91E-08	4.43E-07	6.84E-08	6.61E-08	1.02E-06
2130	495511.06	3859651.99	3.32E-03	3.35E-03	3.36E-03	1.15E-06	3.47E-06	2.01E-06	2.01E-06	1.84E-06	8.39E-07	8.41E-07	0.00E+00	0.00E+00	3.69E-07	6.81E-08	4.37E-07	6.73E-08	6.51E-08	1.01E-06
2131	495561.06	3859651.99	3.29E-03	3.33E-03	3.33E-03	1.14E-06	3.44E-06	1.99E-06	1.99E-06	1.82E-06	8.32E-07	8.34E-07	0.00E+00	0.00E+00	3.66E-07	6.76E-08	4.33E-07	6.68E-08	6.46E-08	9.99E-07
2132	495611.06	3859651.99	3.25E-03	3.29E-03	3.30E-03	1.13E-06	3.40E-06	1.97E-06	1.97E-06	1.80E-06	8.23E-07	8.25E-07	0.00E+00	0.00E+00	3.62E-07	6.68E-08	4.29E-07	6.61E-08	6.39E-08	9.88E-07
2133	495661.06	3859651.99	3.21E-03	3.25E-03	3.25E-03	1.11E-06	3.36E-06	1.94E-06	1.94E-06	1.78E-06	8.13E-07	8.14E-07	0.00E+00	0.00E+00	3.58E-07	6.60E-08	4.23E-07	6.53E-08	6.31E-08	9.75E-07
2134	494311.06	3859701.99	4.33E-03	4.37E-03	4.42E-03	1.50E-06	4.53E-06	2.62E-06	2.62E-06	2.40E-06	1.09E-06	1.11E-06	0.00E+00	0.00E+00	4.83E-07	8.90E-08	5.70E-07	8.79E-08	8.57E-08	1.32E-06
2135	494361.06	3859701.99	4.27E-03	4.31E-03	4.36E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.36E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.76E-07	8.78E-08	5.62E-07	8.67E-08	8.45E-08	1.30E-06
2136	494411.06	3859701.99	4.24E-03	4.28E-03	4.33E-03	1.47E-06	4.43E-06	2.57E-06	2.57E-06	2.35E-06	1.07E-06	1.08E-06	0.00E+00	0.00E+00	4.72E-07	8.71E-08	5.58E-07	8.60E-08	8.39E-08	1.29E-06
2137	494461.06	3859701.99	4.26E-03	4.30E-03	4.35E-03	1.47E-06	4.45E-06	2.58E-06	2.58E-06	2.36E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.74E-07	8.75E-08	5.60E-07	8.64E-08	8.42E-08	1.29E-06
2138	494511.06	3859701.99	4.21E-03	4.25E-03	4.29E-03	1.46E-06	4.40E-06	2.55E-06	2.55E-06	2.33E-06	1.06E-06	1.07E-06	0.00E+00	0.00E+00	4.69E-07	8.64E-08	5.54E-07	8.54E-08	8.32E-08	1.28E-06
2139	494561.06	3859701.99	4.17E-03	4.21E-03	4.26E-03	1.44E-06	4.36E-06	2.53E-06	2.53E-06	2.31E-06	1.05E-06	1.07E-06	0.00E+00	0.00E+00	4.65E-07	8.57E-08	5.49E-07	8.47E-08	8.25E-08	1.27E-06
2140	494611.06	3859701.99	4.14E-03	4.17E-03	4.22E-03	1.43E-06	4.32E-06	2.50E-06	2.50E-06	2.29E-06	1.04E-06	1.06E-06	0.00E+00	0.00E+00	4.60E-07	8.49E-08	5.44E-07	8.39E-08	8.17E-08	1.25E-06
2141	494661.06	3859701.99	4.01E-03	4.05E-03	4.08E-03	1.39E-06	4.19E-06	2.43E-06	2.43E-06	2.22E-06	1.01E-06	1.02E-06	0.00E+00	0.00E+00	4.46E-07	8.23E-08	5.27E-07	8.13E-08	7.91E-08	1.22E-06
2142	494711.06	3859701.99	3.99E-03	4.03E-03	4.07E-03	1.38E-06	4.17E-06	2.42E-06	2.42E-06	2.21E-06	1.01E-06	1.02E-06	0.00E+00	0.00E+00	4.45E-07	8.20E-08	5.25E-07	8.10E-08	7.88E-08	1.21E-06
2143	494761.06	3859701.99	3.93E-03	3.97E-03	4.01E-03	1.36E-06	4.11E-06	2.38E-06	2.38E-06	2.18E-06	9.94E-07	1.00E-06	0.00E+00	0.00E+00	4.38E-07	8.08E-08	5.18E-07	7.98E-08	7.76E-08	1.19E-06
2144	494811.06	3859701.99	3.87E-03	3.91E-03	3.94E-03	1.34E-06	4.05E-06	2.34E-06	2.34E-06	2.15E-06	9.79E-07	9.87E-07	0.00E+00	0.00E+00	4.31E-07	7.96E-08	5.10E-07	7.86E-08	7.64E-08	1.18E-06
2145	494861.06	3859701.99	3.87E-03	3.90E-03	3.94E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.14E-06	9.77E-07	9.85E-07	0.00E+00	0.00E+00	4.30E-07	7.94E-08	5.09E-07	7.85E-08	7.63E-08	1.17E-06
2146	494911.06	3859701.99	3.82E-03	3.85E-03	3.88E-03	1.32E-06	3.99E-06	2.31E-06	2.31E-06	2.11E-06	9.65E-07	9.72E-07	0.00E+00	0.00E+00	4.25E-07	7.84E-08	5.02E-07	7.75E-08	7.53E-08	1.16E-06
2147	494961.06	3859701.99	3.77E-03	3.81E-03	3.83E-03	1.31E-06	3.94E-06	2.28E-06	2.28E-06	2.09E-06	9.53E-07	9.60E-07	0.00E+00	0.00E+00	4.20E-07	7.74E-08	4.96E-07	7.65E-08	7.43E-08	1.14E-06
2148	495011.06	3859701.99	3.74E-03	3.78E-03	3.81E-03	1.30E-06	3.91E-06	2.27E-06	2.27E-06	2.07E-06	9.46E-07	9.53E-07	0.00E+00	0.00E+00	4.17E-07	7.69E-08	4.93E-07	7.60E-08	7.38E-08	1.14E-06
2149	495061.06	3859701.99	3.71E-03	3.74E-03	3.77E-03	1.28E-06	3.87E-06	2.24E-06	2.24E-06	2.05E-06	9.37E-07	9.43E-07	0.00E+00	0.00E+00	4.12E-07	7.61E-08	4.88E-07	7.52E-08	7.30E-08	1.12E-06
2150	495111.06	3859701.99	3.67E-03	3.70E-03	3.73E-03	1.27E-06	3.83E-06	2.22E-06	2.22E-06	2.03E-06	9.27E-07	9.33E-07	0.00E+00	0.00E+00	4.08E-07	7.53E-08	4.83E-07	7.44E-08	7.22E-08	1.11E-06
2151	495161.06	3859701.99	3.62E-03	3.66E-03	3.68E-03	1.25E-06	3.79E-06	2.19E-06	2.19E-06	2.01E-06	9.16E-07	9.22E-07	0.00E+00	0.00E+00	4.03E-07	7.44E-08	4.77E-07	7.36E-08	7.14E-08	1.10E-06
2152	495211.06	3859701.99	3.58E-03	3.62E-03	3.64E-03	1.24E-06	3.74E-06	2.17E-06	2.17E-06	1.98E-06	9.05E-07	9.10E-07	0.00E+00	0.00E+00	3.99E-07	7.35E-08	4.71E-07	7.27E-08	7.05E-08	1.09E-06
2153	495261.06	3859701.99	3.57E-03	3.60E-03	3.62E-03	1.24E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.02E-07	9.07E-07	0.00E+00	0.00E+00	3.97E-07	7.33E-08	4.70E-07	7.24E-08	7.02E-08	1.08E-06
2154	495311.06	3859701.99	3.53E-03	3.56E-03	3.58E-03	1.22E-06	3.69E-06	2.13E-06	2.13E-06	1.95E-06	8.92E-07	8.97E-07	0.00E+00	0.00E+00	3.93E-07	7.25E-08	4.64E-07	7.16E-08	6.94E-08	1.07E-06
2155	495361.06	3859701.99	3.49E-03	3.53E-03	3.54E-03	1.21E-06	3.65E-06	2.11E-06	2.11E-06	1.93E-06	8.82E-07	8.87E-07	0.00E+00	0.00E+00	3.88E-07	7.17E-08	4.59E-07	7.09E-08	6.87E-08	1.06E-06
2156	495411.06	3859701.99	3.44E-03	3.48E-03	3.49E-03	1.19E-06	3.60E-06	2.08E-06	2.08E-06	1.91E-06	8.70E-07	8.74E-07	0.00E+00	0.00E+00	3.83E-07	7.07E-08	4.53E-07	6.99E-08	6.77E-08	1.04E-06
2157	495461.06	3859701.99	3.40E-03	3.44E-03	3.45E-03	1.18E-06	3.56E-06	2.06E-06	2.06E-06	1.89E-06	8.60E-07	8.64E-07	0.00E+00	0.00E+00	3.79E-07	6.99E-08	4.48E-07	6.91E-08	6.69E-08	1.03E-06
2158	495511.06	3859701.99	3.33E-03	3.37E-03	3.38E-03	1.15E-06	3.48E-06	2.02E-06	2.02E-06	1.85E-06	8.43E-07	8.46E-07	0.00E+00	0.00E+00	3.71E-07	6.85E-08	4.39E-07	6.77E-08	6.55E-08	1.01E-06
2159	495561.06	3859701.99	3.33E-03	3.37E-03	3.38E-03	1.15E-06	3.48E-06	2.02E-06	2.02E-06	1.85E-06	8.42E-07	8.45E-07	0.00E+00	0.00E+00	3.71E-07	6.84E-08	4.39E-07	6.76E-08	6.54E-08	1.01E-06
2160	495611.06	3859701.99	3.30E-03	3.33E-03	3.34E-03	1.14E-06	3.45E-06	1.99E-06	1.99E-06	1.83E-06	8.34E-07	8.36E-07	0.00E+00	0.00E+00	3.67E-07	6.77E-08	4.34E-07	6.69E-08	6.48E-08	1.00E-06
2161	495661.06	3859701.99	3.26E-03	3.29E-03	3.30E-03	1.13E-06	3.41E-06	1.97E-06	1.97E-06	1.81E-06	8.24E-07	8.27E-07	0.00E+00	0.00E+00	3.63E-07	6.69E-08	4.29E-07	6.62E-08	6.40E-08	9.89E-07
2162	494311.06	3859751.99	4.39E-03	4.43E-03	4.49E-03	1.52E-06	4.59E-06	2.66E-06	2.66E-06	2.43E-06	1.11E-06	1.12E-06	0.00E+00	0.00E+00	4.89E-07	9.02E-08	5.77E-07	8.90E-08	8.69E-08	1.33E-06
2163	494361.06	3859751.99	4.34E-03	4.38E-03	4.43E-03	1.50E-06	4.54E-06	2.63E-06	2.63E-06	2.40E-06	1.10E-06	1.11E-06	0.00E+00	0.00E+00	4.83E-07	8.91E-08	5.70E-07	8.80E-08	8.59E-08	1.32E-06
2164	494411.06	3859751.99	4.28E-03	4.31E-03	4.36E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.76E-07	8.78E-08	5.62E-07	8.67E-08	8.46E-08	1.30E-06
2165	494461.06	3859751.99	4.28E-03	4.32E-03	4.37E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.76E-07	8.79E-08	5.63E-07	8.68E-08	8.47E-08	1.30E-06
2166	494511.06	3859751.99	4.26E-03	4.30E-03	4.35E-03	1.48E-06	4.45E-06	2.58E-06	2.58E-06	2.36E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.74E-07	8.75E-08	5.60E-07	8.64E-08	8.43E-08	1.29E-06
2167	494561.06	3859751.99	4.21E-03	4.25E-03	4.30E-03	1.46E-06	4.40E-06	2.55E-06	2.55E-06	2.33E-06	1.06E-06	1.08E-06	0.00E+00	0.00E+00	4.69E-07	8.65E-08	5.54E-07	8.54E-08	8.33E-08	1.28E-06
2168	494611.06	3859751.99	4.15E-03	4.19E-03	4.24E-03	1.44E-06	4.34E-06	2.51E-06	2.51E-06	2.30E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.62E-07	8.53E-08	5.46E-07	8.42E-08	8.21E-08	1.26E-06
2169	494661.06	3859751.99	4.05E-03	4.09E-03	4.13E-03	1.40E-06	4.24E-06	2.45E-06	2.45E-06	2.24E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.51E-07	8.32E-08	5.33E-07	8.22E-08	8.01E-08	1.23E-06
2170	494711.06	3859751.99	4.04E-03	4.08E-03	4.12E-03	1.40E-06	4.22E-06	2.44E-06	2.44E-06	2.24E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.50E-07	8.30E-08	5.31E-07	8.20E-08	7.98E-08	1.23E-06
2171	494761.06	3859751.99	4.01E-03	4.05E-03	4.09E-03	1.39E-06	4.19E-06	2.43E-06	2.43E-06	2.22E-06	1.01E-06	1.02E-06	0.00E+00	0.00E+00	4.46E-07	8.23E-08	5.27E-07	8.13E-08	7.92E-08	1.22E-06
2172	494811.06	3859751.99	3.95E-03	3.99E-03	4.03E-03	1.37E-06	4.13E-06	2.39E-06	2.39E-06	2.19E-06	9.99E-07	1.01E-06	0.00E+00	0.00E+00	4.40E-07	8.12E-08	5.20E-07	8.02E-08	7.81E-08	1.20E-06
2173	494861.06	3859751.99	3.92E-03	3.95E-03	3.99E-03	1.36E-06	4.09E-06	2.37E-06	2.37E-06	2.17E-06	9.89E-07	9.99E-07	0.00E+00	0.00E+00	4.36E-07	8.04E-08	5.15E-07	7.94E-08	7.73E-08	1.19E-06
2174	494911.06	3859751.99	3.88E-03	3.91E-03	3.95E-03	1.34E-06	4.05E-06	2.35E-06	2.35E-06	2.15E-06	9.80E-07	9.88E-07	0.00E+00	0.00E+00	4.32E-07	7.96E-08	5.10E-07	7.87E-08	7.65E-08	1.18E-06
2175	494961.06	3859751.99	3.84E-03	3.88E-03	3.91E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.13E-06	9.70E-07	9.78E-07	0.00E+00	0.00E+00	4.27E-07	7.89E-08	5.05E-07	7.79E-08	7.58E-08	1.16E-06
2176	495011.06	3859751.99	3.80E-03	3.83E-03	3.87E-03	1.31E-06	3.97E-06	2.30E-06	2.30E-06	2.10E-06	9.60E-07	9.67E-07	0.00E+00	0.00E+00	4.23E-07	7.80E-08	5.00E-07	7.70E-08	7.49E-08	1.15E-06
2177	495061.06	3859751.99	3.77E-03	3.81E-03	3.84E-03	1.30E-06	3.94E-06	2.28E-06	2.28E-06	2.09E-06	9.52E-07	9.60E-07	0.00E+00	0.00E+00	4.20E-07	7.74E-08	4.96E-07	7.65E-08	7.43E-08	1.14E-06
2178	495111.06	3859751.99	3.73E-03	3.77E-03	3.79E-03	1.29E-06	3.90E-06	2.26E-06	2.26E-06	2.07E-06	9.42E-07	9.50E-07	0.00E+00	0.00E+00	4.15E-07	7.66E-08	4.91E-07	7.57E-08	7.35E-08	1.13E-06
2179	495161.06	3859751.99	3.69E-03	3.72E-03	3.75E-03	1.28E-06	3.85E-06	2.23E-06	2.23E-06	2.04E-06	9.31E-07	9.38E-07	0.00E+00	0.00E+00	4.10E-07	7.57E-08	4.85E-07	7.48E-08	7.26E-08	1.12E-06
2180	495211.06	3859751.99	3.64E-03	3.68E-03	3.70E-03	1.26E-06	3.80E-06	2.20E-06	2.20E-06	2.02E-06	9.20E-07	9.26E-07	0.00E+00	0.00E+00	4.05E-07	7.47E-08	4.79E-07	7.39E-08	7.17E-08	1.10E-06
2181	495261.06	3859751.99	3.61E-03	3.65E-03	3.67E-03	1.25E-06	3.77E-06	2.18E-06	2.18E-06	2.00E-06	9.13E-07	9.19E-07	0.00E+00	0.00E+00	4.02E-07	7.41E-08	4.75E-07	7.33E-08	7.11E-08	1.10E-06
2182	495311.06	3859751.99	3.57E-03	3.61E-03	3.63E-03	1.24E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.03E-07	9.08E-07	0.00E+00	0.00E+00	3.97E-07	7.33E-08	4.70E-07	7.25E-08	7.03E-08	1.08E-06
2183	495361.06	3859751.99	3.53E-03	3.57E-03	3.59E-03	1.22E-06	3.69E-06	2.14E-06	2.14E-06	1.96E-06	8.94E-07	8.99E-07	0.00E+00	0.00E+00	3.93E-07	7.26E-08	4.65E-07	7.18E-08	6.96E-08	1.07E-06
2184	495411.06	3859751.99	3.50E-03	3.54E-03	3.56E-03	1.21E-06	3.66E-06	2.12E-06	2.12E-06	1.94E-06	8.85E-07	8.90E-07	0.00E+00	0.00E+00	3.90E-07	7.19E-08	4.61E-07	7.11E-08	6.89E-08	1.06E-06
2185	495461.06	3859751.99	3.45E-03	3.48E-03	3.50E-03	1.19E-06	3.61E-06	2.09E-06	2.09E-06	1.91E-06	8.72E-07	8.77E-07	0.00E+00	0.00E+00	3.84E-07	7.08E-08	4.54E-07	7.00E-08	6.79E-08	1.05E-06
2186	495511.06	3859751.99	3.40E-03	3.43E-03	3.45E-03	1.18E-06	3.55E-06	2.06E-06	2.06E-06	1.88E-06	8.59E-07	8.64E-07	0.00E+00	0.00E+00	3.78E-07	6.98E-08	4.48E-07	6.90E-08	6.69E-08	1.03E-06
2187	495561.06	3859751.99	3.36E-03	3.40E-03	3.41E-03	1.16E-06	3.52E-06	2.03E-06	2.03E-06	1.86E-06	8.50E-07	8.54E-07	0.00E+00	0.00E+00	3.74E-07	6.91E-08	4.43E-07	6.83E-08	6.61E-08	1.02E-06
2188	495611.06	3859751.99	3.33E-03	3.36E-03	3.38E-03	1.15E-06	3.48E-06	2.01E-06	2.01E-06	1.85E-06	8.42E-07	8.45E-07	0.00E+00	0.00E+00	3.71E-07	6.84E-08	4.38E-07	6.76E-08	6.55E-08	1.01E-06
2189	495661.06	3859751.99	3.30E-03	3.34E-03	3.35E-03	1.14E-06	3.45E-06	2.00E-06	2.00E-06	1.83E-06	8.36E-07	8.39E-07	0.00E+00	0.00E+00	3.68E-07	6.79E-08	4.35E-07	6.71E-08	6.50E-08	1.00E-06
2190	494311.06	3859801.99	4.44E-03	4.48E-03	4.54E-03	1.54E-06	4.65E-06	2.69E-06	2.69E-06	2.46E-06	1.12E-06	1.14E-06	0.00E+00	0.00E+00	4.95E-07	9.13E-08	5.84E-07	9.01E-08	8.81E-08	1.35E-06
2191	494361.06	3859801.99	4.37E-03	4.41E-03	4.47E-03	1.51E-06	4.57E-06	2.64E-06	2.64E-06	2.42E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.87E-07	8.98E-08	5.75E-07	8.86E-08	8.66E-08	1.33E-06
2192	494411.06	3859801.99	4.29E-03	4.33E-03	4.39E-03	1.49E-06	4.49E-06	2.60E-06	2.60E-06	2.38E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.78E-07	8.82E-08	5.65E-07	8.71E-08	8.50E-08	1.30E-06
2193	494461.06	3859801.99	4.29E-03	4.33E-03	4.38E-03	1.49E-06	4.49E-06	2.60E-06	2.60E-06	2.37E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.78E-07	8.81E-08	5.64E-07	8.70E-08	8.50E-08	1.30E-06
2194	494511.06	3859801.99	4.29E-03	4.33E-03	4.39E-03	1.49E-06	4.49E-06	2.60E-06	2.60E-06	2.38E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.78E-07	8.82E-08	5.65E-07	8.71E-08	8.50E-08	1.30E-06
2195	494561.06	3859801.99	4.25E-03	4.29E-03	4.34E-03	1.47E-06	4.44E-06	2.57E-06	2.57E-06	2.35E-06	1.07E-06	1.09E-06	0.00E+00	0.00E+00	4.73E-07	8.73E-08	5.59E-07	8.62E-08	8.41E-08	1.29E-06
2196	494611.06	3859801.99	4.16E-03	4.20E-03	4.25E-03	1.44E-06	4.35E-06	2.52E-06	2.52E-06	2.30E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.63E-07	8.54E-08	5.47E-07	8.43E-08	8.23E-08	1.26E-06
2197	494661.06	3859801.99	4.11E-03	4.15E-03	4.19E-03	1.42E-06	4.29E-06	2.49E-06	2.49E-06	2.27E-06	1.04E-06	1.05E-06	0.00E+00	0.00E+00	4.57E-07	8.44E-08	5.40E-07	8.33E-08	8.13E-08	1.25E-06
2198	494711.06	3859801.99	4.05E-03	4.08E-03	4.13E-03	1.40E-06	4.23E-06	2.45E-06	2.45E-06	2.24E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.50E-07	8.31E-08	5.32E-07	8.21E-08	8.00E-08	1.23E-06

2199	494761.06	3859801.99	4.05E-03	4.08E-03	4.13E-03	1.40E-06	4.23E-06	2.45E-06	2.45E-06	2.24E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.51E-07	8.31E-08	5.32E-07	8.21E-08	8.00E-08	1.23E-06
2200	494811.06	3859801.99	4.00E-03	4.04E-03	4.08E-03	1.38E-06	4.18E-06	2.42E-06	2.42E-06	2.21E-06	1.01E-06	1.02E-06	0.00E+00	0.00E+00	4.45E-07	8.21E-08	5.26E-07	8.11E-08	7.91E-08	1.21E-06
2201	494861.06	3859801.99	3.97E-03	4.00E-03	4.04E-03	1.37E-06	4.15E-06	2.40E-06	2.40E-06	2.20E-06	1.00E-06	1.01E-06	0.00E+00	0.00E+00	4.42E-07	8.15E-08	5.22E-07	8.04E-08	7.84E-08	1.20E-06
2202	494911.06	3859801.99	3.91E-03	3.95E-03	3.99E-03	1.35E-06	4.09E-06	2.37E-06	2.37E-06	2.17E-06	9.88E-07	9.98E-07	0.00E+00	0.00E+00	4.36E-07	8.04E-08	5.15E-07	7.94E-08	7.73E-08	1.19E-06
2203	494961.06	3859801.99	3.88E-03	3.91E-03	3.95E-03	1.34E-06	4.05E-06	2.34E-06	2.34E-06	2.15E-06	9.79E-07	9.89E-07	0.00E+00	0.00E+00	4.31E-07	7.96E-08	5.10E-07	7.86E-08	7.65E-08	1.18E-06
2204	495011.06	3859801.99	3.83E-03	3.87E-03	3.91E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.12E-06	9.69E-07	9.78E-07	0.00E+00	0.00E+00	4.27E-07	7.88E-08	5.04E-07	7.78E-08	7.57E-08	1.16E-06
2205	495061.06	3859801.99	3.80E-03	3.84E-03	3.87E-03	1.32E-06	3.97E-06	2.30E-06	2.30E-06	2.11E-06	9.61E-07	9.70E-07	0.00E+00	0.00E+00	4.23E-07	7.81E-08	5.00E-07	7.71E-08	7.51E-08	1.15E-06
2206	495111.06	3859801.99	3.76E-03	3.79E-03	3.83E-03	1.30E-06	3.93E-06	2.27E-06	2.27E-06	2.08E-06	9.49E-07	9.57E-07	0.00E+00	0.00E+00	4.18E-07	7.71E-08	4.94E-07	7.62E-08	7.41E-08	1.14E-06
2207	495161.06	3859801.99	3.71E-03	3.75E-03	3.78E-03	1.29E-06	3.88E-06	2.25E-06	2.25E-06	2.06E-06	9.38E-07	9.46E-07	0.00E+00	0.00E+00	4.13E-07	7.62E-08	4.88E-07	7.53E-08	7.32E-08	1.13E-06
2208	495211.06	3859801.99	3.68E-03	3.72E-03	3.75E-03	1.27E-06	3.85E-06	2.23E-06	2.23E-06	2.04E-06	9.30E-07	9.38E-07	0.00E+00	0.00E+00	4.10E-07	7.56E-08	4.84E-07	7.47E-08	7.26E-08	1.12E-06
2209	495261.06	3859801.99	3.64E-03	3.67E-03	3.70E-03	1.26E-06	3.80E-06	2.20E-06	2.20E-06	2.01E-06	9.19E-07	9.26E-07	0.00E+00	0.00E+00	4.05E-07	7.47E-08	4.79E-07	7.38E-08	7.17E-08	1.10E-06
2210	495311.06	3859801.99	3.61E-03	3.64E-03	3.67E-03	1.25E-06	3.77E-06	2.18E-06	2.18E-06	2.00E-06	9.12E-07	9.19E-07	0.00E+00	0.00E+00	4.02E-07	7.41E-08	4.75E-07	7.32E-08	7.12E-08	1.10E-06
2211	495361.06	3859801.99	3.57E-03	3.61E-03	3.63E-03	1.24E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.02E-07	9.09E-07	0.00E+00	0.00E+00	3.97E-07	7.33E-08	4.70E-07	7.25E-08	7.04E-08	1.08E-06
2212	495411.06	3859801.99	3.52E-03	3.56E-03	3.58E-03	1.22E-06	3.68E-06	2.13E-06	2.13E-06	1.95E-06	8.91E-07	8.97E-07	0.00E+00	0.00E+00	3.92E-07	7.24E-08	4.64E-07	7.15E-08	6.94E-08	1.07E-06
2213	495461.06	3859801.99	3.49E-03	3.52E-03	3.55E-03	1.21E-06	3.65E-06	2.11E-06	2.11E-06	1.93E-06	8.82E-07	8.87E-07	0.00E+00	0.00E+00	3.88E-07	7.16E-08	4.59E-07	7.08E-08	6.87E-08	1.06E-06
2214	495511.06	3859801.99	3.44E-03	3.47E-03	3.49E-03	1.19E-06	3.59E-06	2.08E-06	2.08E-06	1.90E-06	8.69E-07	8.74E-07	0.00E+00	0.00E+00	3.82E-07	7.06E-08	4.52E-07	6.97E-08	6.76E-08	1.04E-06
2215	495561.06	3859801.99	3.41E-03	3.44E-03	3.46E-03	1.18E-06	3.56E-06	2.06E-06	2.06E-06	1.89E-06	8.61E-07	8.66E-07	0.00E+00	0.00E+00	3.79E-07	6.99E-08	4.48E-07	6.91E-08	6.70E-08	1.03E-06
2216	495611.06	3859801.99	3.39E-03	3.42E-03	3.44E-03	1.17E-06	3.54E-06	2.05E-06	2.05E-06	1.88E-06	8.57E-07	8.62E-07	0.00E+00	0.00E+00	3.77E-07	6.96E-08	4.46E-07	6.88E-08	6.67E-08	1.03E-06
2217	495661.06	3859801.99	3.34E-03	3.38E-03	3.40E-03	1.16E-06	3.50E-06	2.02E-06	2.02E-06	1.85E-06	8.45E-07	8.50E-07	0.00E+00	0.00E+00	3.72E-07	6.87E-08	4.40E-07	6.79E-08	6.58E-08	1.01E-06
2218	494311.06	3859851.99	4.47E-03	4.50E-03	4.57E-03	1.55E-06	4.67E-06	2.70E-06	2.70E-06	2.47E-06	1.13E-06	1.14E-06	0.00E+00	0.00E+00	4.97E-07	9.17E-08	5.87E-07	9.05E-08	8.85E-08	1.35E-06
2219	494361.06	3859851.99	4.41E-03	4.44E-03	4.51E-03	1.53E-06	4.61E-06	2.67E-06	2.67E-06	2.44E-06	1.11E-06	1.13E-06	0.00E+00	0.00E+00	4.91E-07	9.05E-08	5.79E-07	8.93E-08	8.73E-08	1.34E-06
2220	494411.06	3859851.99	4.34E-03	4.38E-03	4.44E-03	1.50E-06	4.54E-06	2.63E-06	2.63E-06	2.40E-06	1.10E-06	1.11E-06	0.00E+00	0.00E+00	4.83E-07	8.91E-08	5.70E-07	8.80E-08	8.60E-08	1.32E-06
2221	494461.06	3859851.99	4.29E-03	4.33E-03	4.39E-03	1.49E-06	4.49E-06	2.60E-06	2.60E-06	2.37E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.78E-07	8.81E-08	5.64E-07	8.70E-08	8.50E-08	1.30E-06
2222	494511.06	3859851.99	4.28E-03	4.31E-03	4.37E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.76E-07	8.78E-08	5.62E-07	8.67E-08	8.47E-08	1.30E-06
2223	494561.06	3859851.99	4.27E-03	4.31E-03	4.36E-03	1.48E-06	4.46E-06	2.58E-06	2.58E-06	2.36E-06	1.08E-06	1.09E-06	0.00E+00	0.00E+00	4.75E-07	8.77E-08	5.61E-07	8.65E-08	8.46E-08	1.30E-06
2224	494611.06	3859851.99	4.18E-03	4.21E-03	4.27E-03	1.45E-06	4.36E-06	2.53E-06	2.53E-06	2.31E-06	1.05E-06	1.07E-06	0.00E+00	0.00E+00	4.65E-07	8.57E-08	5.49E-07	8.46E-08	8.27E-08	1.27E-06
2225	494661.06	3859851.99	4.15E-03	4.19E-03	4.24E-03	1.44E-06	4.34E-06	2.51E-06	2.51E-06	2.30E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.62E-07	8.53E-08	5.46E-07	8.42E-08	8.22E-08	1.26E-06
2226	494711.06	3859851.99	4.08E-03	4.12E-03	4.17E-03	1.41E-06	4.27E-06	2.47E-06	2.47E-06	2.26E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.55E-07	8.39E-08	5.37E-07	8.28E-08	8.08E-08	1.24E-06
2227	494761.06	3859851.99	4.08E-03	4.11E-03	4.16E-03	1.41E-06	4.26E-06	2.47E-06	2.47E-06	2.26E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.54E-07	8.37E-08	5.36E-07	8.27E-08	8.07E-08	1.24E-06
2228	494811.06	3859851.99	4.03E-03	4.07E-03	4.12E-03	1.40E-06	4.22E-06	2.44E-06	2.44E-06	2.23E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.49E-07	8.28E-08	5.30E-07	8.18E-08	7.98E-08	1.22E-06
2229	494861.06	3859851.99	4.01E-03	4.04E-03	4.09E-03	1.39E-06	4.19E-06	2.42E-06	2.42E-06	2.22E-06	1.01E-06	1.02E-06	0.00E+00	0.00E+00	4.46E-07	8.23E-08	5.27E-07	8.12E-08	7.92E-08	1.22E-06
2230	494911.06	3859851.99	3.95E-03	3.99E-03	4.03E-03	1.37E-06	4.13E-06	2.39E-06	2.39E-06	2.19E-06	9.99E-07	1.01E-06	0.00E+00	0.00E+00	4.40E-07	8.12E-08	5.20E-07	8.02E-08	7.82E-08	1.20E-06
2231	494961.06	3859851.99	3.92E-03	3.95E-03	3.99E-03	1.36E-06	4.09E-06	2.37E-06	2.37E-06	2.17E-06	9.89E-07	1.00E-06	0.00E+00	0.00E+00	4.36E-07	8.04E-08	5.15E-07	7.94E-08	7.74E-08	1.19E-06
2232	495011.06	3859851.99	3.88E-03	3.91E-03	3.95E-03	1.34E-06	4.05E-06	2.35E-06	2.35E-06	2.15E-06	9.79E-07	9.89E-07	0.00E+00	0.00E+00	4.31E-07	7.96E-08	5.10E-07	7.86E-08	7.66E-08	1.18E-06
2233	495061.06	3859851.99	3.84E-03	3.88E-03	3.92E-03	1.33E-06	4.02E-06	2.33E-06	2.33E-06	2.13E-06	9.71E-07	9.81E-07	0.00E+00	0.00E+00	4.28E-07	7.90E-08	5.06E-07	7.80E-08	7.60E-08	1.17E-06
2234	495111.06	3859851.99	3.79E-03	3.83E-03	3.87E-03	1.31E-06	3.97E-06	2.30E-06	2.30E-06	2.10E-06	9.58E-07	9.68E-07	0.00E+00	0.00E+00	4.22E-07	7.79E-08	4.99E-07	7.70E-08	7.49E-08	1.15E-06
2235	495161.06	3859851.99	3.75E-03	3.79E-03	3.82E-03	1.30E-06	3.92E-06	2.27E-06	2.27E-06	2.08E-06	9.48E-07	9.57E-07	0.00E+00	0.00E+00	4.18E-07	7.71E-08	4.94E-07	7.61E-08	7.41E-08	1.14E-06
2236	495211.06	3859851.99	3.72E-03	3.75E-03	3.79E-03	1.29E-06	3.88E-06	2.25E-06	2.25E-06	2.06E-06	9.39E-07	9.47E-07	0.00E+00	0.00E+00	4.14E-07	7.63E-08	4.89E-07	7.54E-08	7.34E-08	1.13E-06
2237	495261.06	3859851.99	3.68E-03	3.71E-03	3.74E-03	1.27E-06	3.84E-06	2.22E-06	2.22E-06	2.04E-06	9.29E-07	9.37E-07	0.00E+00	0.00E+00	4.09E-07	7.55E-08	4.84E-07	7.46E-08	7.25E-08	1.12E-06
2238	495311.06	3859851.99	3.64E-03	3.68E-03	3.71E-03	1.26E-06	3.81E-06	2.21E-06	2.21E-06	2.02E-06	9.21E-07	9.29E-07	0.00E+00	0.00E+00	4.06E-07	7.48E-08	4.79E-07	7.39E-08	7.19E-08	1.11E-06
2239	495361.06	3859851.99	3.61E-03	3.64E-03	3.67E-03	1.25E-06	3.77E-06	2.18E-06	2.18E-06	2.00E-06	9.12E-07	9.20E-07	0.00E+00	0.00E+00	4.02E-07	7.41E-08	4.75E-07	7.32E-08	7.12E-08	1.10E-06
2240	495411.06	3859851.99	3.57E-03	3.60E-03	3.63E-03	1.23E-06	3.73E-06	2.16E-06	2.16E-06	1.97E-06	9.01E-07	9.08E-07	0.00E+00	0.00E+00	3.97E-07	7.32E-08	4.69E-07	7.23E-08	7.03E-08	1.08E-06
2241	495461.06	3859851.99	3.52E-03	3.56E-03	3.58E-03	1.22E-06	3.68E-06	2.13E-06	2.13E-06	1.95E-06	8.90E-07	8.97E-07	0.00E+00	0.00E+00	3.92E-07	7.24E-08	4.64E-07	7.15E-08	6.95E-08	1.07E-06
2242	495511.06	3859851.99	3.48E-03	3.51E-03	3.53E-03	1.20E-06	3.63E-06	2.10E-06	2.10E-06	1.93E-06	8.78E-07	8.85E-07	0.00E+00	0.00E+00	3.87E-07	7.14E-08	4.57E-07	7.05E-08	6.85E-08	1.05E-06
2243	495561.06	3859851.99	3.45E-03	3.48E-03	3.51E-03	1.19E-06	3.61E-06	2.09E-06	2.09E-06	1.91E-06	8.72E-07	8.78E-07	0.00E+00	0.00E+00	3.84E-07	7.09E-08	4.54E-07	7.00E-08	6.80E-08	1.05E-06
2244	495611.06	3859851.99	3.42E-03	3.46E-03	3.48E-03	1.19E-06	3.58E-06	2.07E-06	2.07E-06	1.90E-06	8.65E-07	8.71E-07	0.00E+00	0.00E+00	3.81E-07	7.03E-08	4.51E-07	6.95E-08	6.74E-08	1.04E-06
2245	495661.06	3859851.99	3.38E-03	3.41E-03	3.43E-03	1.17E-06	3.53E-06	2.04E-06	2.04E-06	1.87E-06	8.54E-07	8.59E-07	0.00E+00	0.00E+00	3.76E-07	6.94E-08	4.45E-07	6.86E-08	6.65E-08	1.03E-06
2246	494311.06	3859901.99	4.48E-03	4.51E-03	4.58E-03	1.55E-06	4.68E-06	2.71E-06	2.71E-06	2.48E-06	1.13E-06	1.15E-06	0.00E+00	0.00E+00	4.98E-07	9.19E-08	5.88E-07	9.07E-08	8.88E-08	1.36E-06
2247	494361.06	3859901.99	4.39E-03	4.43E-03	4.49E-03	1.52E-06	4.59E-06	2.66E-06	2.66E-06	2.43E-06	1.11E-06	1.12E-06	0.00E+00	0.00E+00	4.89E-07	9.02E-08	5.77E-07	8.90E-08	8.71E-08	1.33E-06
2248	494411.06	3859901.99	4.36E-03	4.40E-03	4.47E-03	1.51E-06	4.56E-06	2.64E-06	2.64E-06	2.41E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.86E-07	8.96E-08	5.74E-07	8.85E-08	8.65E-08	1.32E-06
2249	494461.06	3859901.99	4.32E-03	4.35E-03	4.42E-03	1.49E-06	4.51E-06	2.61E-06	2.61E-06	2.39E-06	1.09E-06	1.11E-06	0.00E+00	0.00E+00	4.81E-07	8.87E-08	5.68E-07	8.75E-08	8.56E-08	1.31E-06
2250	494511.06	3859901.99	4.29E-03	4.32E-03	4.39E-03	1.48E-06	4.48E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.77E-07	8.81E-08	5.64E-07	8.69E-08	8.50E-08	1.30E-06
2251	494561.06	3859901.99	4.29E-03	4.33E-03	4.39E-03	1.49E-06	4.49E-06	2.60E-06	2.60E-06	2.37E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.78E-07	8.82E-08	5.64E-07	8.70E-08	8.51E-08	1.30E-06
2252	494611.06	3859901.99	4.20E-03	4.23E-03	4.29E-03	1.45E-06	4.39E-06	2.54E-06	2.54E-06	2.32E-06	1.06E-06	1.07E-06	0.00E+00	0.00E+00	4.67E-07	8.62E-08	5.52E-07	8.51E-08	8.31E-08	1.27E-06
2253	494661.06	3859901.99	4.19E-03	4.23E-03	4.29E-03	1.45E-06	4.38E-06	2.54E-06	2.54E-06	2.32E-06	1.06E-06	1.07E-06	0.00E+00	0.00E+00	4.67E-07	8.61E-08	5.51E-07	8.50E-08	8.31E-08	1.27E-06
2254	494711.06	3859901.99	4.10E-03	4.14E-03	4.19E-03	1.42E-06	4.29E-06	2.48E-06	2.48E-06	2.27E-06	1.04E-06	1.05E-06	0.00E+00	0.00E+00	4.56E-07	8.42E-08	5.39E-07	8.31E-08	8.12E-08	1.24E-06
2255	494761.06	3859901.99	4.08E-03	4.12E-03	4.17E-03	1.41E-06	4.27E-06	2.47E-06	2.47E-06	2.26E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.55E-07	8.39E-08	5.37E-07	8.28E-08	8.09E-08	1.24E-06
2256	494811.06	3859901.99	4.07E-03	4.10E-03	4.16E-03	1.41E-06	4.25E-06	2.46E-06	2.46E-06	2.25E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.53E-07	8.36E-08	5.35E-07	8.25E-08	8.06E-08	1.23E-06
2257	494861.06	3859901.99	4.04E-03	4.07E-03	4.13E-03	1.40E-06	4.22E-06	2.44E-06	2.44E-06	2.23E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.50E-07	8.29E-08	5.31E-07	8.19E-08	7.99E-08	1.23E-06
2258	494911.06	3859901.99	3.99E-03	4.02E-03	4.07E-03	1.38E-06	4.17E-06	2.41E-06	2.41E-06	2.21E-06	1.01E-06	1.02E-06	0.00E+00	0.00E+00	4.44E-07	8.19E-08	5.24E-07	8.08E-08	7.89E-08	1.21E-06
2259	494961.06	3859901.99	3.95E-03	3.99E-03	4.04E-03	1.37E-06	4.13E-06	2.39E-06	2.39E-06	2.19E-06	9.98E-07	1.01E-06	0.00E+00	0.00E+00	4.40E-07	8.12E-08	5.20E-07	8.02E-08	7.82E-08	1.20E-06
2260	495011.06	3859901.99	3.91E-03	3.94E-03	3.99E-03	1.35E-06	4.08E-06	2.36E-06	2.36E-06	2.16E-06	9.87E-07	9.98E-07	0.00E+00	0.00E+00	4.35E-07	8.03E-08	5.14E-07	7.92E-08	7.73E-08	1.19E-06
2261	495061.06	3859901.99	3.87E-03	3.90E-03	3.95E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.14E-06	9.77E-07	9.88E-07	0.00E+00	0.00E+00	4.31E-07	7.95E-08	5.09E-07	7.85E-08	7.65E-08	1.17E-06
2262	495111.06	3859901.99	3.82E-03	3.85E-03	3.89E-03	1.32E-06	3.99E-06	2.31E-06	2.31E-06	2.11E-06	9.64E-07	9.75E-07	0.00E+00	0.00E+00	4.25E-07	7.84E-08	5.02E-07	7.74E-08	7.55E-08	1.16E-06
2263	495161.06	3859901.99	3.77E-03	3.81E-03	3.85E-03	1.31E-06	3.94E-06	2.28E-06	2.28E-06	2.09E-06	9.53E-07	9.63E-07	0.00E+00	0.00E+00	4.20E-07	7.75E-08	4.96E-07	7.65E-08	7.45E-08	1.14E-06
2264	495211.06	3859901.99	3.74E-03	3.78E-03	3.82E-03	1.30E-06	3.91E-06	2.27E-06	2.27E-06	2.07E-06	9.46E-07	9.56E-07	0.00E+00	0.00E+00	4.17E-07	7.69E-08	4.93E-07	7.60E-08	7.40E-08	1.14E-06
2265	495261.06	3859901.99	3.69E-03	3.73E-03	3.76E-03	1.28E-06	3.86E-06	2.23E-06	2.23E-06	2.04E-06	9.33E-07	9.42E-07	0.00E+00	0.00E+00	4.11E-07	7.58E-08	4.86E-07	7.49E-08	7.29E-08	1.12E-06
2266	495311.06	3859901.99	3.67E-03	3.70E-03	3.74E-03	1.27E-06	3.83E-06	2.22E-06	2.22E-06	2.03E-06	9.26E-07	9.35E-07	0.00E+00	0.00E+00	4.08E-07	7.53E-08	4.82E-07	7.44E-08	7.24E-08	1.11E-06
2267	495361.06	3859901.99	3.63E-03	3.66E-03	3.69E-03	1.26E-06	3.79E-06	2.19E-06	2.19E-06	2.01E-06	9.16E-07	9.25E-07	0.00E+00	0.00E+00	4.04E-07	7.45E-08	4.77E-07	7.36E-08	7.16E-08	1.10E-06
2268	495411.06	3859901.99	3.58E-03	3.62E-03	3.65E-03	1.24E-06	3.74E-06	2.17E-06	2.17E-06	1.98E-06	9.05E-07	9.13E-07	0.00E+00	0.00E+00	3.99E-07	7.35E-08	4.71E-07	7.27E-08	7.07E-08	1.09E-06
2269	495461.06	3859901.99	3.54E-03	3.58E-03	3.61E-03	1.23E-06	3.70E-06	2.14E-06	2.14E-06	1.96E-06	8.95E-07	9.02E-07	0.00E+00	0.00E+00	3.94E-07	7.27E-08	4.66E-07	7.19E-08	6.99E-08	1.07E-06
2270	495511.06	3859901.99	3.51E-03	3.55E-03	3.58E-03	1.22E-06	3.67E-06	2.13E-06	2.13E-06	1.95E-06	8.88E-07	8.95E-07	0.00E+00	0.00E+00	3.91E-07	7.22E-08	4.62E-07	7.13E-08	6.93E-08	1.07E-06
2271	495561.06	3859901.99	3.49E-03	3.52E-03	3.55E-03	1.21E-06	3.64E-06	2.11E-06	2.11E-06	1.93E-06	8.81E-07	8.88E-07	0.00E+00	0.00E+00	3.88E-07	7.16E-08	4.59E-07	7.07E-08	6.88E-08	1.06E-06
2272	495611.06	3859901.99	3.45E-03	3.48E-03	3.51E-03	1.19E-06	3.60E-06	2.08E-06	2.08E-06	1.91E-06	8.71E-07	8.77E-07	0.00E+00	0.00E+00	3.84E-07	7.08E-08	4.53E-07	6.99E-08	6.79E-08	1.05E-06
2273	495661.06	3859901.99	3.40E-03	3.44E-03	3.46E-03	1.18E-06	3.56E-06	2.06E-06	2.06E-06	1.88E-06	8.60E-07	8.66E-07	0.00E+00	0.00E+00	3.79E-07	6.99E-08	4.48E-07	6.90E-08	6.70E-08	1.03E-06
2274	494311.06	3859951.99	4.50E-03	4.53E-03	4.60E-03	1.56E-06	4.70E-06	2.72E-06	2.72E-06	2.49E-06	1.13E-06	1.15E-06	0.00E+00	0.00E+00	5.00E-07	9.23E-08	5.91E-07	9.11E-08	8.92E-08	1.36E-06
2275	494361.06	3859951.99	4.43E-03	4.47E-03	4.54E-03	1.54E-06	4.64E-06	2.68E-06	2.68E-06	2.45E-06	1.12E-06	1.14E-06	0.00E+00	0.00E+00	4.94E-07	9.11E-08	5.83E-07	8.99E-08	8.80E-08	1.35E-06
2276	494411.06	3859951.99	4.38E-03	4.42E-03	4.48E-03	1.52E-06	4.58E-06	2.65E-06	2.65E-06	2.42E-06	1.11E-06	1.12E-06	0.00E+00	0.00E+00	4.88E-07	9.00E-08	5.76E-07	8.88E-08	8.69E-08	1.33E-06
2277	494461.06	3859951.99	4.33E-03	4.37E-03	4.44E-03	1.50E-06	4.53E-06	2.62E-06	2.62E-06	2.40E-06	1.09E-06	1.11E-06	0.00E+00	0.00E+00	4.83E-07	8.90E-08	5.70E-07	8.78E-08	8.60E-08	1.32E-06
2278	494511.06	3859951.99	4.31E-03	4.34E-03	4.41E-03	1.49E-06	4.50E-06	2.61E-06	2.61E-06	2.38E-06	1.09E-06	1.10E-06	0.00E+00	0.00E+00	4.79E-07	8.84E-08	5.66E-07	8.73E-08	8.54E-08	1.31E-06
2279	494561.06	3859951.99	4.32E-03	4.36E-03	4.42E-03	1.50E-06	4.52E-06	2.61E-06	2.61E-06	2.39E-06	1.09E-06	1.11E-06	0.00E+00	0.00E+00	4.81E-07	8.87E-08	5.68E-07	8.76E-08	8.57E-08	1.31E-06
2280	494611.06	3859951.99	4.23E-03	4.27E-03	4.33E-03	1.47E-06	4.43E-06	2.56E-06	2.56E-06	2.34E-06	1.07E-06	1.08E-06	0.00E+00	0.00E+00	4.71E-07	8.70E-08	5.57E-07	8.58E-08	8.40E-08	1.28E-06
2281	494661.06	3859951.99	4.23E-03	4.26E-03	4.32E-03	1.46E-06	4.42E-06	2.56E-06	2.56E-06	2.34E-06	1.07E-06	1.08E-06	0.00E+00	0.00E+00	4.70E-07	8.68E-08	5.55E-07	8.57E-08	8.38E-08	1.28E-06
2282	494711.06	3859951.99	4.15E-03	4.18E-03	4.24E-03	1.44E-06	4.34E-06	2.51E-06	2.51E-06	2.29E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.62E-07	8.52E-08	5.45E-07	8.41E-08	8.22E-08	1.26E-06
2283	494761.06	3859951.99	4.12E-03	4.15E-03	4.21E-03	1.43E-06	4.31E-06	2.49E-06	2.49E-06	2.28E-06	1.04E-06	1.05E-06	0.00E+00	0.00E+00	4.59E-07	8.46E-08	5.41E-07	8.35E-08	8.16E-08	1.25E-06
2284	494811.06	3859951.99	4.09E-03	4.12E-03	4.18E-03	1.41E-06	4.27E-06	2.47E-06	2.47E-06	2.26E-06	1.03E-06	1.05E-06	0.00E+00	0.00E+00	4.55E-07	8.39E-08	5.37E-07	8.28E-08	8.09E-08	1.24E-06
2285	494861.06	3859951.99	4.07E-03	4.10E-03	4.16E-03	1.41E-06	4.25E-06	2.46E-06	2.46E-06	2.25E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.53E-07	8.35E-08	5.34E-07	8.24E-08	8.05E-08	1.23E-06
2286	494911.06	3859951.99	4.01E-03	4.05E-03	4.10E-03	1.39E-06	4.19E-06	2.43E-06	2.43E-06	2.22E-06	1.01E-06	1.03E-06	0.00E+00	0.00E+00	4.47E-07	8.24E-08	5.28E-07	8.13E-08	7.95E-08	1.22E-06
2287	494961.06	3859951.99	3.97E-03	4.00E-03	4.05E-03	1.37E-06	4.14E-06	2.40E-06	2.40E-06	2.19E-06	1.00E-06	1.01E-06	0.00E+00	0.00E+00	4.41E-07	8.14E-08	5.21E-07	8.04E-08	7.85E-08	1.20E-06
2288	495011.06	3859951.99	3.92E-03	3.96E-03	4.01E-03	1.36E-06	4.10E-06	2.37E-06	2.37E-06	2.17E-06	9.90E-07	1.00E-06	0.00E+00	0.00E+00	4.37E-07	8.06E-08	5.16E-07	7.95E-08	7.76E-08	1.19E-06
2289	495061.06	3859951.99	3.89E-03	3.92E-03	3.97E-03	1.35E-06	4.06E-06	2.35E-06	2.35E-06	2.15E-06	9.81E-07	9.93E-07	0.00E+00	0.00E+00	4.33E-07	7.98E-08	5.11E-07	7.88E-08	7.69E-08	1.18E-06
2290	495111.06	3859951.99	3.84E-03	3.87E-03	3.92E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.12E-06	9.69E-07	9.80E-07	0.00E+00	0.00E+00	4.27E-07	7.88E-08	5.05E-07	7.78E-08	7.59E-08	1.16E-06
2291	495161.06	3859951.99	3.79E-03	3.82E-03	3.87E-03	1.31E-06	3.96E-06	2.29E-06	2.29E-06	2.10E-06	9.57E-07	9.68E-07	0.00E+00	0.00E+00	4.22E-07	7.78E-08	4.98E-07	7.69E-08	7.50E-08	1.15E-06
2292	495211.06	3859951.99	3.74E-03	3.78E-03	3.82E-03	1.30E-06	3.91E-06	2.27E-06	2.27E-06	2.07E-06	9.46E-07	9.56E-07	0.00E+00	0.00E+00	4.17E-07	7.69E-08	4.92E-07	7.59E-08	7.40E-08	1.14E-06
2293	495261.06	3859951.99	3.71E-03	3.74E-03	3.78E-03	1.28E-06	3.87E-06	2.24E-06	2.24E-06	2.05E-06	9.36E-07	9.46E-07	0.00E+00	0.00E+00	4.13E-07	7.61E-08	4.88E-07	7.52E-08	7.33E-08	1.12E-06
2294	495311.06	3859951.99	3.68E-03	3.72E-03	3.76E-03	1.28E-06	3.85E-06	2.23E-06	2.23E-06	2.04E-06	9.31E-07	9.40E-07	0.00E+00	0.00E+00	4.10E-07	7.57E-08	4.85E-07	7.47E-08	7.28E-08	1.12E-06
2295	495361.06	3859951.99	3.65E-03	3.69E-03	3.72E-03	1.26E-06	3.82E-06	2.21E-06	2.21E-06	2.02E-06	9.22E-07	9.32E-07	0.00E+00	0.00E+00	4.06E-07	7.50E-08	4.80E-07	7.41E-08	7.22E-08	1.11E-06
2296	495411.06	3859951.99	3.61E-03	3.64E-03	3.68E-03	1.25E-06	3.77E-06	2.18E-06	2.18E-06	2.00E-06	9.11E-07	9.20E-07	0.00E+00	0.00E+00	4.02E-07	7.41E-08	4.75E-07	7.32E-08	7.13E-08	1.09E-06
2297	495461.06	3859951.99	3.57E-03	3.60E-03	3.64E-03	1.24E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.02E-07	9.10E-07	0.00E+00	0.00E+00	3.97E-07	7.33E-08	4.69E-07	7.24E-08	7.05E-08	1.08E-06
2298	495511.06	3859951.99	3.53E-03	3.56E-03	3.60E-03	1.22E-06	3.69E-06	2.14E-06	2.14E-06	1.95E-06	8.92E-07	9.00E-07	0.00E+00	0.00E+00	3.93E-07	7.25E-08	4.64E-07	7.16E-08	6.97E-08	1.07E-06
2299	495561.06	3859951.99	3.51E-03	3.55E-03	3.58E-03	1.22E-06	3.67E-06	2.13E-06	2.13E-06	1.94E-06	8.87E-07	8.95E-07	0.00E+00	0.00E+00	3.91E-07	7.21E-08	4.62E-07	7.13E-08	6.93E-08	1.07E-06
2300	495611.06	3859951.99	3.47E-03	3.50E-03	3.53E-03	1.20E-06	3.63E-06	2.10E-06	2.10E-06	1.92E-06	8.77E-07	8.85E-07	0.00E+00	0.00E+00	3.86E-07	7.13E-08	4.57E-07	7.04E-08	6.85E-08	1.05E-06
2301	495661.06	3859951.99	3.42E-03	3.46E-03	3.49E-03	1.19E-06	3.58E-06	2.07E-06	2.07E-06	1.90E-06	8.65E-07	8.72E-07	0.00E+00	0.00E+00	3.81E-07	7.03E-08	4.51E-07	6.95E-08	6.75E-08	1.04E-06
2302	494311.06	3860001.99	4.50E-03	4.54E-03	4.62E-03	1.56E-06	4.71E-06	2.73E-06	2.73E-06	2.49E-06	1.14E-06	1.16E-06	0.00E+00	0.00E+00	5.01E-07	9.25E-08	5.92E-07	9.12E-08	8.94E-08	1.37E-06
2303	494361.06	3860001.99	4.46E-03	4.49E-03	4.57E-03	1.54E-06	4.66E-06	2.70E-06	2.70E-06	2.46E-06	1.12E-06	1.14E-06	0.00E+00	0.00E+00	4.96E-07	9.15E-08	5.85E-07	9.03E-08	8.85E-08	1.35E-06

2304	494411.06	3860001.99	4.39E-03	4.42E-03	4.49E-03	1.52E-06	4.58E-06	2.65E-06	2.65E-06	2.43E-06	1.11E-06	1.12E-06	0.00E+00	0.00E+00	4.88E-07	9.01E-08	5.76E-07	8.89E-08	8.71E-08	1.33E-06
2305	494461.06	3860001.99	4.35E-03	4.39E-03	4.46E-03	1.51E-06	4.55E-06	2.63E-06	2.63E-06	2.41E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.85E-07	8.94E-08	5.72E-07	8.82E-08	8.64E-08	1.32E-06
2306	494511.06	3860001.99	4.30E-03	4.34E-03	4.40E-03	1.49E-06	4.49E-06	2.60E-06	2.60E-06	2.38E-06	1.09E-06	1.10E-06	0.00E+00	0.00E+00	4.79E-07	8.83E-08	5.65E-07	8.71E-08	8.53E-08	1.30E-06
2307	494561.06	3860001.99	4.33E-03	4.37E-03	4.44E-03	1.50E-06	4.53E-06	2.62E-06	2.62E-06	2.40E-06	1.09E-06	1.11E-06	0.00E+00	0.00E+00	4.82E-07	8.90E-08	5.69E-07	8.78E-08	8.60E-08	1.31E-06
2308	494611.06	3860001.99	4.28E-03	4.31E-03	4.38E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.36E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.76E-07	8.78E-08	5.62E-07	8.66E-08	8.48E-08	1.30E-06
2309	494661.06	3860001.99	4.24E-03	4.28E-03	4.34E-03	1.47E-06	4.43E-06	2.57E-06	2.57E-06	2.35E-06	1.07E-06	1.09E-06	0.00E+00	0.00E+00	4.72E-07	8.71E-08	5.57E-07	8.60E-08	8.41E-08	1.29E-06
2310	494711.06	3860001.99	4.14E-03	4.17E-03	4.23E-03	1.43E-06	4.32E-06	2.50E-06	2.50E-06	2.29E-06	1.04E-06	1.06E-06	0.00E+00	0.00E+00	4.61E-07	8.50E-08	5.44E-07	8.39E-08	8.20E-08	1.26E-06
2311	494761.06	3860001.99	4.14E-03	4.17E-03	4.24E-03	1.43E-06	4.33E-06	2.50E-06	2.50E-06	2.29E-06	1.04E-06	1.06E-06	0.00E+00	0.00E+00	4.61E-07	8.50E-08	5.44E-07	8.39E-08	8.21E-08	1.26E-06
2312	494811.06	3860001.99	4.11E-03	4.15E-03	4.21E-03	1.42E-06	4.30E-06	2.49E-06	2.49E-06	2.27E-06	1.04E-06	1.05E-06	0.00E+00	0.00E+00	4.58E-07	8.45E-08	5.40E-07	8.33E-08	8.15E-08	1.25E-06
2313	494861.06	3860001.99	4.09E-03	4.12E-03	4.18E-03	1.42E-06	4.27E-06	2.47E-06	2.47E-06	2.26E-06	1.03E-06	1.05E-06	0.00E+00	0.00E+00	4.55E-07	8.40E-08	5.38E-07	8.29E-08	8.11E-08	1.24E-06
2314	494911.06	3860001.99	4.00E-03	4.03E-03	4.09E-03	1.38E-06	4.18E-06	2.42E-06	2.42E-06	2.21E-06	1.01E-06	1.02E-06	0.00E+00	0.00E+00	4.45E-07	8.21E-08	5.25E-07	8.10E-08	7.92E-08	1.21E-06
2315	494961.06	3860001.99	3.97E-03	4.01E-03	4.06E-03	1.38E-06	4.15E-06	2.40E-06	2.40E-06	2.20E-06	1.00E-06	1.02E-06	0.00E+00	0.00E+00	4.42E-07	8.16E-08	5.22E-07	8.05E-08	7.87E-08	1.21E-06
2316	495011.06	3860001.99	3.93E-03	3.96E-03	4.01E-03	1.36E-06	4.10E-06	2.38E-06	2.38E-06	2.17E-06	9.91E-07	1.00E-06	0.00E+00	0.00E+00	4.37E-07	8.06E-08	5.16E-07	7.96E-08	7.77E-08	1.19E-06
2317	495061.06	3860001.99	3.90E-03	3.94E-03	3.99E-03	1.35E-06	4.08E-06	2.36E-06	2.36E-06	2.16E-06	9.85E-07	9.98E-07	0.00E+00	0.00E+00	4.35E-07	8.02E-08	5.13E-07	7.91E-08	7.73E-08	1.18E-06
2318	495111.06	3860001.99	3.86E-03	3.89E-03	3.94E-03	1.33E-06	4.03E-06	2.33E-06	2.33E-06	2.13E-06	9.73E-07	9.86E-07	0.00E+00	0.00E+00	4.29E-07	7.92E-08	5.07E-07	7.82E-08	7.63E-08	1.17E-06
2319	495161.06	3860001.99	3.81E-03	3.84E-03	3.89E-03	1.32E-06	3.98E-06	2.30E-06	2.30E-06	2.11E-06	9.62E-07	9.73E-07	0.00E+00	0.00E+00	4.24E-07	7.82E-08	5.01E-07	7.72E-08	7.54E-08	1.16E-06
2320	495211.06	3860001.99	3.79E-03	3.82E-03	3.86E-03	1.31E-06	3.96E-06	2.29E-06	2.29E-06	2.09E-06	9.56E-07	9.67E-07	0.00E+00	0.00E+00	4.21E-07	7.77E-08	4.98E-07	7.67E-08	7.49E-08	1.15E-06
2321	495261.06	3860001.99	3.74E-03	3.78E-03	3.82E-03	1.30E-06	3.91E-06	2.26E-06	2.26E-06	2.07E-06	9.45E-07	9.56E-07	0.00E+00	0.00E+00	4.17E-07	7.68E-08	4.92E-07	7.59E-08	7.40E-08	1.14E-06
2322	495311.06	3860001.99	3.71E-03	3.74E-03	3.79E-03	1.28E-06	3.88E-06	2.24E-06	2.24E-06	2.05E-06	9.37E-07	9.47E-07	0.00E+00	0.00E+00	4.13E-07	7.62E-08	4.88E-07	7.52E-08	7.34E-08	1.13E-06
2323	495361.06	3860001.99	3.65E-03	3.68E-03	3.72E-03	1.26E-06	3.81E-06	2.21E-06	2.21E-06	2.02E-06	9.22E-07	9.32E-07	0.00E+00	0.00E+00	4.06E-07	7.49E-08	4.80E-07	7.40E-08	7.21E-08	1.11E-06
2324	495411.06	3860001.99	3.63E-03	3.67E-03	3.71E-03	1.26E-06	3.80E-06	2.20E-06	2.20E-06	2.01E-06	9.18E-07	9.28E-07	0.00E+00	0.00E+00	4.04E-07	7.46E-08	4.78E-07	7.37E-08	7.18E-08	1.10E-06
2325	495461.06	3860001.99	3.60E-03	3.63E-03	3.67E-03	1.24E-06	3.76E-06	2.18E-06	2.18E-06	1.99E-06	9.08E-07	9.18E-07	0.00E+00	0.00E+00	4.00E-07	7.39E-08	4.73E-07	7.29E-08	7.11E-08	1.09E-06
2326	495511.06	3860001.99	3.56E-03	3.59E-03	3.63E-03	1.23E-06	3.72E-06	2.15E-06	2.15E-06	1.97E-06	9.00E-07	9.09E-07	0.00E+00	0.00E+00	3.96E-07	7.31E-08	4.68E-07	7.22E-08	7.04E-08	1.08E-06
2327	495561.06	3860001.99	3.54E-03	3.57E-03	3.61E-03	1.22E-06	3.70E-06	2.14E-06	2.14E-06	1.96E-06	8.94E-07	9.03E-07	0.00E+00	0.00E+00	3.94E-07	7.27E-08	4.65E-07	7.18E-08	6.99E-08	1.07E-06
2328	495611.06	3860001.99	3.49E-03	3.53E-03	3.56E-03	1.21E-06	3.65E-06	2.11E-06	2.11E-06	1.93E-06	8.83E-07	8.91E-07	0.00E+00	0.00E+00	3.89E-07	7.18E-08	4.60E-07	7.09E-08	6.90E-08	1.06E-06
2329	495661.06	3860001.99	3.45E-03	3.48E-03	3.52E-03	1.19E-06	3.61E-06	2.09E-06	2.09E-06	1.91E-06	8.72E-07	8.80E-07	0.00E+00	0.00E+00	3.84E-07	7.09E-08	4.54E-07	7.00E-08	6.81E-08	1.05E-06
2330	494411.06	3860051.99	4.41E-03	4.44E-03	4.51E-03	1.52E-06	4.60E-06	2.67E-06	2.67E-06	2.44E-06	1.11E-06	1.13E-06	0.00E+00	0.00E+00	4.90E-07	9.05E-08	5.79E-07	8.92E-08	8.75E-08	1.34E-06
2331	494461.06	3860051.99	4.36E-03	4.39E-03	4.47E-03	1.51E-06	4.56E-06	2.64E-06	2.64E-06	2.41E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.85E-07	8.95E-08	5.73E-07	8.83E-08	8.65E-08	1.32E-06
2332	494511.06	3860051.99	4.32E-03	4.35E-03	4.42E-03	1.49E-06	4.51E-06	2.61E-06	2.61E-06	2.39E-06	1.09E-06	1.11E-06	0.00E+00	0.00E+00	4.80E-07	8.86E-08	5.67E-07	8.74E-08	8.57E-08	1.31E-06
2333	494561.06	3860051.99	4.31E-03	4.35E-03	4.42E-03	1.49E-06	4.51E-06	2.61E-06	2.61E-06	2.39E-06	1.09E-06	1.11E-06	0.00E+00	0.00E+00	4.80E-07	8.86E-08	5.67E-07	8.74E-08	8.56E-08	1.31E-06
2334	494611.06	3860051.99	4.29E-03	4.32E-03	4.39E-03	1.48E-06	4.48E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.77E-07	8.81E-08	5.63E-07	8.69E-08	8.51E-08	1.30E-06
2335	494661.06	3860051.99	4.25E-03	4.29E-03	4.36E-03	1.47E-06	4.45E-06	2.57E-06	2.57E-06	2.35E-06	1.07E-06	1.09E-06	0.00E+00	0.00E+00	4.74E-07	8.74E-08	5.59E-07	8.62E-08	8.44E-08	1.29E-06
2336	494711.06	3860051.99	4.18E-03	4.22E-03	4.28E-03	1.45E-06	4.37E-06	2.53E-06	2.53E-06	2.31E-06	1.06E-06	1.07E-06	0.00E+00	0.00E+00	4.66E-07	8.59E-08	5.50E-07	8.48E-08	8.30E-08	1.27E-06
2337	494761.06	3860051.99	4.15E-03	4.19E-03	4.25E-03	1.44E-06	4.34E-06	2.51E-06	2.51E-06	2.30E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.62E-07	8.53E-08	5.46E-07	8.42E-08	8.24E-08	1.26E-06
2338	494811.06	3860051.99	4.14E-03	4.17E-03	4.24E-03	1.43E-06	4.33E-06	2.50E-06	2.50E-06	2.29E-06	1.04E-06	1.06E-06	0.00E+00	0.00E+00	4.61E-07	8.50E-08	5.44E-07	8.39E-08	8.21E-08	1.26E-06
2339	494861.06	3860051.99	4.12E-03	4.15E-03	4.22E-03	1.43E-06	4.31E-06	2.49E-06	2.49E-06	2.28E-06	1.04E-06	1.06E-06	0.00E+00	0.00E+00	4.59E-07	8.46E-08	5.41E-07	8.35E-08	8.17E-08	1.25E-06
2340	494911.06	3860051.99	4.06E-03	4.10E-03	4.16E-03	1.41E-06	4.25E-06	2.46E-06	2.46E-06	2.25E-06	1.03E-06	1.04E-06	0.00E+00	0.00E+00	4.52E-07	8.35E-08	5.34E-07	8.24E-08	8.06E-08	1.23E-06
2341	494961.06	3860051.99	4.01E-03	4.04E-03	4.10E-03	1.39E-06	4.19E-06	2.42E-06	2.42E-06	2.22E-06	1.01E-06	1.03E-06	0.00E+00	0.00E+00	4.46E-07	8.23E-08	5.27E-07	8.12E-08	7.94E-08	1.22E-06
2342	495011.06	3860051.99	3.96E-03	3.99E-03	4.04E-03	1.37E-06	4.13E-06	2.39E-06	2.39E-06	2.19E-06	9.98E-07	1.01E-06	0.00E+00	0.00E+00	4.40E-07	8.12E-08	5.20E-07	8.02E-08	7.84E-08	1.20E-06
2343	495061.06	3860051.99	3.91E-03	3.95E-03	4.00E-03	1.36E-06	4.09E-06	2.37E-06	2.37E-06	2.17E-06	9.88E-07	1.00E-06	0.00E+00	0.00E+00	4.36E-07	8.04E-08	5.15E-07	7.94E-08	7.76E-08	1.19E-06
2344	495111.06	3860051.99	3.86E-03	3.89E-03	3.95E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.14E-06	9.75E-07	9.88E-07	0.00E+00	0.00E+00	4.30E-07	7.93E-08	5.08E-07	7.83E-08	7.65E-08	1.17E-06
2345	495161.06	3860051.99	3.82E-03	3.86E-03	3.91E-03	1.32E-06	3.99E-06	2.31E-06	2.31E-06	2.11E-06	9.65E-07	9.77E-07	0.00E+00	0.00E+00	4.25E-07	7.85E-08	5.02E-07	7.75E-08	7.57E-08	1.16E-06
2346	495211.06	3860051.99	3.78E-03	3.81E-03	3.86E-03	1.31E-06	3.95E-06	2.29E-06	2.29E-06	2.09E-06	9.54E-07	9.66E-07	0.00E+00	0.00E+00	4.21E-07	7.76E-08	4.97E-07	7.66E-08	7.48E-08	1.15E-06
2347	495261.06	3860051.99	3.75E-03	3.78E-03	3.83E-03	1.30E-06	3.92E-06	2.27E-06	2.27E-06	2.07E-06	9.46E-07	9.58E-07	0.00E+00	0.00E+00	4.17E-07	7.70E-08	4.93E-07	7.60E-08	7.42E-08	1.14E-06
2348	495311.06	3860051.99	3.72E-03	3.75E-03	3.80E-03	1.29E-06	3.89E-06	2.25E-06	2.25E-06	2.06E-06	9.40E-07	9.51E-07	0.00E+00	0.00E+00	4.14E-07	7.64E-08	4.89E-07	7.55E-08	7.37E-08	1.13E-06
2349	495361.06	3860051.99	3.69E-03	3.72E-03	3.77E-03	1.28E-06	3.86E-06	2.23E-06	2.23E-06	2.04E-06	9.32E-07	9.43E-07	0.00E+00	0.00E+00	4.11E-07	7.58E-08	4.85E-07	7.48E-08	7.30E-08	1.12E-06
2350	495411.06	3860051.99	3.65E-03	3.69E-03	3.73E-03	1.27E-06	3.82E-06	2.21E-06	2.21E-06	2.02E-06	9.23E-07	9.34E-07	0.00E+00	0.00E+00	4.07E-07	7.51E-08	4.81E-07	7.41E-08	7.23E-08	1.11E-06
2351	495461.06	3860051.99	3.62E-03	3.65E-03	3.69E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	2.00E-06	9.13E-07	9.24E-07	0.00E+00	0.00E+00	4.03E-07	7.43E-08	4.76E-07	7.33E-08	7.15E-08	1.10E-06
2352	495511.06	3860051.99	3.59E-03	3.62E-03	3.66E-03	1.24E-06	3.75E-06	2.17E-06	2.17E-06	1.99E-06	9.06E-07	9.16E-07	0.00E+00	0.00E+00	3.99E-07	7.37E-08	4.72E-07	7.28E-08	7.09E-08	1.09E-06
2353	495561.06	3860051.99	3.55E-03	3.59E-03	3.63E-03	1.23E-06	3.71E-06	2.15E-06	2.15E-06	1.97E-06	8.98E-07	9.07E-07	0.00E+00	0.00E+00	3.96E-07	7.30E-08	4.67E-07	7.21E-08	7.03E-08	1.08E-06
2354	495611.06	3860051.99	3.52E-03	3.55E-03	3.59E-03	1.22E-06	3.67E-06	2.13E-06	2.13E-06	1.95E-06	8.88E-07	8.97E-07	0.00E+00	0.00E+00	3.91E-07	7.22E-08	4.62E-07	7.13E-08	6.95E-08	1.07E-06
2355	495661.06	3860051.99	3.47E-03	3.50E-03	3.54E-03	1.20E-06	3.63E-06	2.10E-06	2.10E-06	1.92E-06	8.76E-07	8.85E-07	0.00E+00	0.00E+00	3.86E-07	7.12E-08	4.56E-07	7.04E-08	6.85E-08	1.05E-06
2356	494411.06	3860101.99	4.38E-03	4.41E-03	4.49E-03	1.51E-06	4.57E-06	2.65E-06	2.65E-06	2.42E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.87E-07	8.99E-08	5.75E-07	8.86E-08	8.69E-08	1.33E-06
2357	494461.06	3860101.99	4.37E-03	4.40E-03	4.48E-03	1.51E-06	4.57E-06	2.64E-06	2.64E-06	2.41E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.86E-07	8.97E-08	5.74E-07	8.85E-08	8.68E-08	1.32E-06
2358	494511.06	3860101.99	4.30E-03	4.34E-03	4.41E-03	1.49E-06	4.50E-06	2.60E-06	2.60E-06	2.38E-06	1.09E-06	1.10E-06	0.00E+00	0.00E+00	4.79E-07	8.84E-08	5.65E-07	8.72E-08	8.55E-08	1.31E-06
2359	494561.06	3860101.99	4.28E-03	4.32E-03	4.39E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.77E-07	8.79E-08	5.62E-07	8.67E-08	8.50E-08	1.30E-06
2360	494611.06	3860101.99	4.28E-03	4.31E-03	4.38E-03	1.48E-06	4.47E-06	2.59E-06	2.59E-06	2.37E-06	1.08E-06	1.10E-06	0.00E+00	0.00E+00	4.76E-07	8.79E-08	5.62E-07	8.67E-08	8.50E-08	1.30E-06
2361	494661.06	3860101.99	4.25E-03	4.28E-03	4.35E-03	1.47E-06	4.44E-06	2.57E-06	2.57E-06	2.35E-06	1.07E-06	1.09E-06	0.00E+00	0.00E+00	4.73E-07	8.73E-08	5.58E-07	8.61E-08	8.44E-08	1.29E-06
2362	494711.06	3860101.99	4.19E-03	4.22E-03	4.29E-03	1.45E-06	4.38E-06	2.53E-06	2.53E-06	2.32E-06	1.06E-06	1.07E-06	0.00E+00	0.00E+00	4.66E-07	8.60E-08	5.50E-07	8.49E-08	8.32E-08	1.27E-06
2363	494761.06	3860101.99	4.16E-03	4.19E-03	4.26E-03	1.44E-06	4.35E-06	2.52E-06	2.52E-06	2.30E-06	1.05E-06	1.07E-06	0.00E+00	0.00E+00	4.63E-07	8.54E-08	5.46E-07	8.43E-08	8.25E-08	1.26E-06
2364	494811.06	3860101.99	4.13E-03	4.17E-03	4.23E-03	1.43E-06	4.32E-06	2.50E-06	2.50E-06	2.28E-06	1.04E-06	1.06E-06	0.00E+00	0.00E+00	4.60E-07	8.48E-08	5.43E-07	8.37E-08	8.20E-08	1.25E-06
2365	494861.06	3860101.99	4.15E-03	4.18E-03	4.25E-03	1.44E-06	4.33E-06	2.51E-06	2.51E-06	2.29E-06	1.05E-06	1.06E-06	0.00E+00	0.00E+00	4.62E-07	8.52E-08	5.45E-07	8.40E-08	8.23E-08	1.26E-06
2366	494911.06	3860101.99	4.04E-03	4.08E-03	4.14E-03	1.40E-06	4.22E-06	2.45E-06	2.45E-06	2.24E-06	1.02E-06	1.04E-06	0.00E+00	0.00E+00	4.50E-07	8.30E-08	5.31E-07	8.19E-08	8.02E-08	1.23E-06
2367	494961.06	3860101.99	4.01E-03	4.04E-03	4.10E-03	1.39E-06	4.19E-06	2.43E-06	2.43E-06	2.22E-06	1.01E-06	1.03E-06	0.00E+00	0.00E+00	4.46E-07	8.23E-08	5.27E-07	8.12E-08	7.95E-08	1.22E-06
2368	495011.06	3860101.99	3.96E-03	3.99E-03	4.05E-03	1.37E-06	4.14E-06	2.40E-06	2.40E-06	2.19E-06	9.99E-07	1.01E-06	0.00E+00	0.00E+00	4.41E-07	8.13E-08	5.20E-07	8.02E-08	7.85E-08	1.20E-06
2369	495061.06	3860101.99	3.91E-03	3.95E-03	4.00E-03	1.36E-06	4.09E-06	2.37E-06	2.37E-06	2.17E-06	9.88E-07	1.00E-06	0.00E+00	0.00E+00	4.36E-07	8.04E-08	5.15E-07	7.93E-08	7.76E-08	1.19E-06
2370	495111.06	3860101.99	3.86E-03	3.89E-03	3.95E-03	1.34E-06	4.03E-06	2.34E-06	2.34E-06	2.14E-06	9.74E-07	9.88E-07	0.00E+00	0.00E+00	4.30E-07	7.93E-08	5.07E-07	7.82E-08	7.65E-08	1.17E-06
2371	495161.06	3860101.99	3.83E-03	3.86E-03	3.92E-03	1.33E-06	4.00E-06	2.32E-06	2.32E-06	2.12E-06	9.67E-07	9.80E-07	0.00E+00	0.00E+00	4.26E-07	7.87E-08	5.04E-07	7.77E-08	7.59E-08	1.16E-06
2372	495211.06	3860101.99	3.79E-03	3.83E-03	3.88E-03	1.31E-06	3.97E-06	2.30E-06	2.30E-06	2.10E-06	9.58E-07	9.71E-07	0.00E+00	0.00E+00	4.22E-07	7.79E-08	4.99E-07	7.69E-08	7.52E-08	1.15E-06
2373	495261.06	3860101.99	3.76E-03	3.79E-03	3.84E-03	1.30E-06	3.93E-06	2.27E-06	2.27E-06	2.08E-06	9.49E-07	9.61E-07	0.00E+00	0.00E+00	4.18E-07	7.72E-08	4.94E-07	7.62E-08	7.44E-08	1.14E-06
2374	495311.06	3860101.99	3.72E-03	3.76E-03	3.81E-03	1.29E-06	3.89E-06	2.25E-06	2.25E-06	2.06E-06	9.40E-07	9.52E-07	0.00E+00	0.00E+00	4.15E-07	7.65E-08	4.90E-07	7.55E-08	7.37E-08	1.13E-06
2375	495361.06	3860101.99	3.70E-03	3.73E-03	3.78E-03	1.28E-06	3.87E-06	2.24E-06	2.24E-06	2.05E-06	9.34E-07	9.46E-07	0.00E+00	0.00E+00	4.12E-07	7.60E-08	4.87E-07	7.50E-08	7.33E-08	1.12E-06
2376	495411.06	3860101.99	3.66E-03	3.70E-03	3.74E-03	1.27E-06	3.83E-06	2.22E-06	2.22E-06	2.03E-06	9.25E-07	9.37E-07	0.00E+00	0.00E+00	4.08E-07	7.53E-08	4.82E-07	7.43E-08	7.25E-08	1.11E-06
2377	495461.06	3860101.99	3.61E-03	3.65E-03	3.69E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	2.00E-06	9.13E-07	9.24E-07	0.00E+00	0.00E+00	4.02E-07	7.42E-08	4.75E-07	7.33E-08	7.15E-08	1.10E-06
2378	495511.06	3860101.99	3.59E-03	3.62E-03	3.67E-03	1.24E-06	3.75E-06	2.17E-06	2.17E-06	1.99E-06	9.07E-07	9.18E-07	0.00E+00	0.00E+00	4.00E-07	7.38E-08	4.72E-07	7.28E-08	7.11E-08	1.09E-06
2379	495561.06	3860101.99	3.57E-03	3.60E-03	3.64E-03	1.24E-06	3.73E-06	2.16E-06	2.16E-06	1.97E-06	9.01E-07	9.12E-07	0.00E+00	0.00E+00	3.97E-07	7.33E-08	4.69E-07	7.24E-08	7.06E-08	1.08E-06
2380	495611.06	3860101.99	3.52E-03	3.55E-03	3.59E-03	1.22E-06	3.68E-06	2.13E-06	2.13E-06	1.95E-06	8.89E-07	8.99E-07	0.00E+00	0.00E+00	3.92E-07	7.23E-08	4.63E-07	7.14E-08	6.96E-08	1.07E-06
2381	495661.06	3860101.99	3.49E-03	3.52E-03	3.56E-03	1.21E-06	3.65E-06	2.11E-06	2.11E-06	1.93E-06	8.81E-07	8.91E-07	0.00E+00	0.00E+00	3.88E-07	7.17E-08	4.59E-07	7.08E-08	6.90E-08	1.06E-06
2382	494861.06	3860151.99	4.16E-03	4.19E-03	4.26E-03	1.44E-06	4.35E-06	2.52E-06	2.52E-06	2.30E-06	1.05E-06	1.07E-06	0.00E+00	0.00E+00	4.63E-07	8.55E-08	5.47E-07	8.43E-08	8.26E-08	1.26E-06
2383	494911.06	3860151.99	4.05E-03	4.09E-03	4.15E-03	1.40E-06	4.24E-06	2.45E-06	2.45E-06	2.24E-06	1.02E-06	1.04E-06	0.00E+00	0.00E+00	4.51E-07	8.32E-08	5.32E-07	8.21E-08	8.04E-08	1.23E-06
2384	494961.06	3860151.99	4.01E-03	4.04E-03	4.10E-03	1.39E-06	4.19E-06	2.43E-06	2.43E-06	2.22E-06	1.01E-06	1.03E-06	0.00E+00	0.00E+00	4.46E-07	8.23E-08	5.27E-07	8.12E-08	7.95E-08	1.22E-06
2385	495011.06	3860151.99	3.96E-03	3.99E-03	4.06E-03	1.37E-06	4.14E-06	2.40E-06	2.40E-06	2.19E-06	1.00E-06	1.01E-06	0.00E+00	0.00E+00	4.41E-07	8.14E-08	5.21E-07	8.03E-08	7.86E-08	1.20E-06
2386	495061.06	3860151.99	3.92E-03	3.95E-03	4.01E-03	1.36E-06	4.09E-06	2.37E-06	2.37E-06	2.17E-06	9.88E-07	1.00E-06	0.00E+00	0.00E+00	4.36E-07	8.04E-08	5.15E-07	7.93E-08	7.76E-08	1.19E-06
2387	495111.06	3860151.99	3.88E-03	3.91E-03	3.97E-03	1.34E-06	4.05E-06	2.35E-06	2.35E-06	2.14E-06	9.78E-07	9.93E-07	0.00E+00	0.00E+00	4.32E-07	7.96E-08	5.09E-07	7.86E-08	7.69E-08	1.18E-06
2388	495161.06	3860151.99	3.84E-03	3.87E-03	3.93E-03	1.33E-06	4.02E-06	2.32E-06	2.32E-06	2.13E-06	9.70E-07	9.84E-07	0.00E+00	0.00E+00	4.28E-07	7.89E-08	5.05E-07	7.79E-08	7.62E-08	1.17E-06
2389	495211.06	3860151.99	3.80E-03	3.83E-03	3.89E-03	1.32E-06	3.97E-06	2.30E-06	2.30E-06	2.10E-06	9.60E-07	9.73E-07	0.00E+00	0.00E+00	4.23E-07	7.81E-08	5.00E-07	7.71E-08	7.54E-08	1.15E-06
2390	495261.06	3860151.99	3.77E-03	3.80E-03	3.85E-03	1.31E-06	3.94E-06	2.28E-06	2.28E-06	2.09E-06	9.52E-07	9.65E-07	0.00E+00	0.00E+00	4.20E-07	7.74E-08	4.96E-07	7.64E-08	7.47E-08	1.14E-06
2391	495311.06	3860151.99	3.74E-03	3.77E-03	3.82E-03	1.29E-06	3.91E-06	2.26E-06	2.26E-06	2.07E-06	9.43E-07	9.56E-07	0.00E+00	0.00E+00	4.16E-07	7.68E-08	4.91E-07	7.58E-08	7.40E-08	1.13E-06
2392	495361.06	3860151.99	3.71E-03	3.74E-03	3.79E-03	1.28E-06	3.87E-06	2.24E-06	2.24E-06	2.05E-06	9.36E-07	9.48E-07	0.00E+00	0.00E+00	4.13E-07	7.61E-08	4.87E-07	7.51E-08	7.34E-08	1.12E-06
2393	495411.06	3860151.99	3.67E-03	3.70E-03	3.75E-03	1.27E-06	3.84E-06	2.22E-06	2.22E-06	2.03E-06	9.27E-07	9.39E-07	0.00E+00	0.00E+00	4.09E-07	7.54E-08	4.83E-07	7.44E-08	7.27E-08	1.11E-06
2394	495461.06	3860151.99	3.64E-03	3.67E-03	3.72E-03	1.26E-06	3.80E-06	2.20E-06	2.20E-06	2.01E-06	9.19E-07	9.30E-07	0.00E+00	0.00E+00	4.05E-07	7.47E-08	4.78E-07	7.38E-08	7.20E-08	1.10E-06
2395	495511.06	3860151.99	3.60E-03	3.63E-03	3.68E-03	1.25E-06	3.76E-06	2.18E-06	2.18E-06	1.99E-06	9.09E-07	9.20E-07	0.00E+00	0.00E+00	4.01E-07	7.39E-08	4.73E-07	7.30E-08	7.12E-08	1.09E-06
2396	495561.06	3860151.99	3.57E-03	3.60E-03	3.65E-03	1.24E-06	3.73E-06	2.16E-06	2.16E-06	1.98E-06	9.02E-07	9.13E-07	0.00E+00	0.00E+00	3.98E-07	7.33E-08	4.70E-07	7.24E-08	7.07E-08	1.08E-06
2397	495611.06	3860151.99	3.53E-03	3.57E-03	3.61E-03	1.22E-06	3.69E-06	2.14E-06	2.14E-06	1.96E-06	8.92E-07	9.03E-07	0.00E+00	0.00E+00	3.93E-07	7.26E-08	4.65E-07	7.17E-08	6.99E-08	1.07E-06
2398	495661.06	3860151.99	3.49E-03	3.53E-03	3.57E-03	1.21E-06	3.65E-06	2.11E-06	2.11E-06	1.93E-06	8.82E-07	8.93E-07	0.00E+00	0.00E+00	3.89E-07	7.18E-08	4.60E-07	7.09E-08	6.91E-08	1.06E-06
2399	495718.25	3859442.96	2.97E-03	3.01E-03	3.00E-03	1.03E-06	3.11E-06	1.80E-06	1.80E-06	1.65E-06	7.53E-07	7.51E-07	0.00E+00	0.00E+00	3.31E-07	6.11E-08	3.92E-07	6.05E-08	5.81E-08	9.03E-07
2400	495818.25	3859442.96	2.90E-03	2.94E-03	2.93E-03	1.01E-06	3.03E-06	1.76E-06	1.76E-06	1.61E-06	7.35E-07	7.33E-07	0.00E+00	0.00E+00	3.23E-07	5.96E-08	3.83E-07	5.90E-08	5.67E-08	8.82E-07
2401	495918.25	3859442.96	2.85E-03	2.89E-03	2.87E-03	9.87E-07	2.98E-06	1.73E-06	1.73E-06	1.58E-06	7.22E-07	7.19E-07	0.00E+00	0.00E+00	3.17E-07	5.86E-08	3.76E-07	5.80E-08	5.57E-08	8.66E-07
2402	496018.25	3859442.96	2.81E-03	2.84E-03	2.83E-03	9.71E-07	2.93E-06	1.70E-06	1.70E-06	1.56E-06	7.11E-07	7.08E-07	0.00E+00	0.00E+00	3.12E-07	5.76E-08	3.70E-07	5.71E-08	5.48E-08	8.52E-07
2403	496118.25	3859442.96	2.82E-03	2.85E-03	2.84E-03	9.75E-07	2.94E-06	1.70E-06	1.70E-06	1.56E-06	7.13E-07	7.10E-07	0.00E+00	0.00E+00	3.13E-07	5.78E-08	3.71E-07	5.73E-08	5.50E-08	8.55E-07
2404	496218.25	3859442.96	2.82E-03	2.85E-03	2.84E-03	9.75E-07	2.95E-06	1.70E-06	1.70E-06	1.56E-06	7.14E-07	7.10E-07	0.00E+00	0.00E+00	3.14E-07	5.79E-08	3.72E-07	5.73E-08	5.50E-08	8.56E-07
2405	496318.25	3859442.96	2.78E-03	2.81E-03	2.80E-03	9.62E-07	2.90E-06	1.68E-06	1.68E-06	1.54E-06	7.04E-07	7.00E-07	0.00E+00	0.00E+00	3.09E-07	5.71E-08	3.67E-07	5.65E-08	5.42E-08	8.44E-07
2406	496418.25	3859442.96	2.74E-03	2.77E-03	2.76E-03	9.48E-07	2.86E-06	1.66E-06	1.66E-06	1.52E-06	6.94E-07	6.90E-07	0.00E+00	0.00E+00	3.05E-07	5.62E-08	3.61E-07	5.57E-08	5.34E-08	8.31E-07
2407	495718.25	3859542.96	3.07E-03	3.11E-03	3.11E-03	1.06E-06	3.21E-06	1.86E-06	1.86E-06	1.71E-06	7.78E-07	7.77E-07	0.00E+00	0.00E+00	3.42E-07	6.31E-08	4.05E-07	6.25E-08	6.02E-08	9.33E-07
2408	495818.25	3859542.96	3.02E-03	3.05E-03	3.05E-03	1.04E-06	3.15E-06	1.83E-06	1.83E-06	1.67E-06	7.64E-07	7.63E-07	0.00E+00	0.00E+00	3.36E-07	6.20E-08	3.98E-07	6.13E-08	5.91E-08	9.16E-07

2409	495918.25	3859542.96	2.95E-03	2.98E-03	2.98E-03	1.02E-06	3.08E-06	1.79E-06	1.79E-06	1.64E-06	7.47E-07	7.45E-07	0.00E+00	0.00E+00	3.28E-07	6.06E-08	3.89E-07	6.00E-08	5.77E-08	8.96E-07
2410	496018.25	3859542.96	2.89E-03	2.93E-03	2.92E-03	1.00E-06	3.02E-06	1.75E-06	1.75E-06	1.61E-06	7.33E-07	7.31E-07	0.00E+00	0.00E+00	3.22E-07	5.94E-08	3.82E-07	5.88E-08	5.66E-08	8.79E-07
2411	496118.25	3859542.96	2.90E-03	2.93E-03	2.93E-03	1.00E-06	3.03E-06	1.75E-06	1.75E-06	1.61E-06	7.34E-07	7.32E-07	0.00E+00	0.00E+00	3.23E-07	5.96E-08	3.82E-07	5.90E-08	5.67E-08	8.80E-07
2412	496218.25	3859542.96	2.89E-03	2.92E-03	2.92E-03	1.00E-06	3.02E-06	1.75E-06	1.75E-06	1.60E-06	7.32E-07	7.30E-07	0.00E+00	0.00E+00	3.22E-07	5.93E-08	3.81E-07	5.88E-08	5.65E-08	8.77E-07
2413	496318.25	3859542.96	2.87E-03	2.90E-03	2.89E-03	9.93E-07	3.00E-06	1.74E-06	1.74E-06	1.59E-06	7.26E-07	7.24E-07	0.00E+00	0.00E+00	3.19E-07	5.89E-08	3.78E-07	5.83E-08	5.61E-08	8.71E-07
2414	496418.25	3859542.96	2.81E-03	2.85E-03	2.84E-03	9.74E-07	2.94E-06	1.70E-06	1.70E-06	1.56E-06	7.12E-07	7.10E-07	0.00E+00	0.00E+00	3.13E-07	5.78E-08	3.71E-07	5.72E-08	5.50E-08	8.54E-07
2415	495718.25	3859642.96	3.16E-03	3.19E-03	3.19E-03	1.09E-06	3.30E-06	1.91E-06	1.91E-06	1.75E-06	7.98E-07	7.99E-07	0.00E+00	0.00E+00	3.51E-07	6.48E-08	4.16E-07	6.41E-08	6.19E-08	9.58E-07
2416	495818.25	3859642.96	3.09E-03	3.12E-03	3.12E-03	1.07E-06	3.23E-06	1.87E-06	1.87E-06	1.71E-06	7.81E-07	7.82E-07	0.00E+00	0.00E+00	3.44E-07	6.34E-08	4.07E-07	6.28E-08	6.05E-08	9.37E-07
2417	495918.25	3859642.96	3.04E-03	3.08E-03	3.08E-03	1.05E-06	3.18E-06	1.84E-06	1.84E-06	1.69E-06	7.70E-07	7.70E-07	0.00E+00	0.00E+00	3.39E-07	6.25E-08	4.01E-07	6.18E-08	5.96E-08	9.23E-07
2418	496018.25	3859642.96	2.98E-03	3.02E-03	3.01E-03	1.03E-06	3.12E-06	1.80E-06	1.80E-06	1.65E-06	7.55E-07	7.55E-07	0.00E+00	0.00E+00	3.32E-07	6.13E-08	3.93E-07	6.06E-08	5.84E-08	9.05E-07
2419	496118.25	3859642.96	3.00E-03	3.03E-03	3.03E-03	1.04E-06	3.13E-06	1.81E-06	1.81E-06	1.66E-06	7.58E-07	7.58E-07	0.00E+00	0.00E+00	3.33E-07	6.15E-08	3.95E-07	6.09E-08	5.87E-08	9.09E-07
2420	496218.25	3859642.96	2.99E-03	3.02E-03	3.02E-03	1.03E-06	3.12E-06	1.81E-06	1.81E-06	1.66E-06	7.57E-07	7.56E-07	0.00E+00	0.00E+00	3.33E-07	6.14E-08	3.94E-07	6.08E-08	5.86E-08	9.08E-07
2421	496318.25	3859642.96	2.94E-03	2.97E-03	2.97E-03	1.02E-06	3.07E-06	1.78E-06	1.78E-06	1.63E-06	7.44E-07	7.44E-07	0.00E+00	0.00E+00	3.27E-07	6.04E-08	3.88E-07	5.98E-08	5.76E-08	8.93E-07
2422	496418.25	3859642.96	2.80E-03	2.83E-03	2.82E-03	9.68E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.08E-07	7.06E-07	0.00E+00	0.00E+00	3.11E-07	5.74E-08	3.69E-07	5.68E-08	5.47E-08	8.49E-07
2423	495718.25	3859742.96	3.26E-03	3.30E-03	3.31E-03	1.13E-06	3.41E-06	1.97E-06	1.97E-06	1.81E-06	8.25E-07	8.28E-07	0.00E+00	0.00E+00	3.63E-07	6.70E-08	4.29E-07	6.62E-08	6.41E-08	9.90E-07
2424	495818.25	3859742.96	3.18E-03	3.21E-03	3.22E-03	1.10E-06	3.32E-06	1.92E-06	1.92E-06	1.76E-06	8.05E-07	8.07E-07	0.00E+00	0.00E+00	3.54E-07	6.53E-08	4.19E-07	6.46E-08	6.25E-08	9.65E-07
2425	495918.25	3859742.96	3.12E-03	3.15E-03	3.16E-03	1.08E-06	3.26E-06	1.89E-06	1.89E-06	1.73E-06	7.89E-07	7.91E-07	0.00E+00	0.00E+00	3.47E-07	6.41E-08	4.11E-07	6.34E-08	6.13E-08	9.47E-07
2426	496018.25	3859742.96	3.06E-03	3.09E-03	3.10E-03	1.06E-06	3.20E-06	1.85E-06	1.85E-06	1.70E-06	7.74E-07	7.75E-07	0.00E+00	0.00E+00	3.40E-07	6.28E-08	4.03E-07	6.21E-08	6.00E-08	9.28E-07
2427	496118.25	3859742.96	3.06E-03	3.09E-03	3.10E-03	1.06E-06	3.20E-06	1.85E-06	1.85E-06	1.70E-06	7.74E-07	7.75E-07	0.00E+00	0.00E+00	3.41E-07	6.28E-08	4.03E-07	6.22E-08	6.00E-08	9.29E-07
2428	496218.25	3859742.96	3.07E-03	3.11E-03	3.11E-03	1.06E-06	3.21E-06	1.86E-06	1.86E-06	1.70E-06	7.78E-07	7.79E-07	0.00E+00	0.00E+00	3.42E-07	6.31E-08	4.05E-07	6.24E-08	6.03E-08	9.33E-07
2429	496318.25	3859742.96	2.94E-03	2.98E-03	2.98E-03	1.02E-06	3.08E-06	1.78E-06	1.78E-06	1.63E-06	7.45E-07	7.45E-07	0.00E+00	0.00E+00	3.28E-07	6.05E-08	3.88E-07	5.98E-08	5.77E-08	8.94E-07
2430	496418.25	3859742.96	2.83E-03	2.86E-03	2.86E-03	9.80E-07	2.96E-06	1.71E-06	1.71E-06	1.57E-06	7.16E-07	7.16E-07	0.00E+00	0.00E+00	3.15E-07	5.81E-08	3.73E-07	5.75E-08	5.54E-08	8.59E-07
2431	495718.25	3859842.96	3.34E-03	3.37E-03	3.39E-03	1.16E-06	3.49E-06	2.02E-06	2.02E-06	1.85E-06	8.44E-07	8.48E-07	0.00E+00	0.00E+00	3.71E-07	6.85E-08	4.39E-07	6.77E-08	6.57E-08	1.01E-06
2432	495818.25	3859842.96	3.27E-03	3.31E-03	3.32E-03	1.13E-06	3.42E-06	1.98E-06	1.98E-06	1.81E-06	8.27E-07	8.31E-07	0.00E+00	0.00E+00	3.64E-07	6.72E-08	4.31E-07	6.64E-08	6.44E-08	9.93E-07
2433	495918.25	3859842.96	3.21E-03	3.24E-03	3.25E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.78E-06	8.11E-07	8.14E-07	0.00E+00	0.00E+00	3.57E-07	6.59E-08	4.22E-07	6.51E-08	6.31E-08	9.73E-07
2434	496018.25	3859842.96	3.16E-03	3.20E-03	3.21E-03	1.10E-06	3.31E-06	1.91E-06	1.91E-06	1.75E-06	8.00E-07	8.04E-07	0.00E+00	0.00E+00	3.52E-07	6.50E-08	4.17E-07	6.43E-08	6.22E-08	9.60E-07
2435	496118.25	3859842.96	3.18E-03	3.22E-03	3.23E-03	1.10E-06	3.33E-06	1.93E-06	1.93E-06	1.77E-06	8.05E-07	8.09E-07	0.00E+00	0.00E+00	3.55E-07	6.54E-08	4.19E-07	6.47E-08	6.26E-08	9.67E-07
2436	496218.25	3859842.96	3.06E-03	3.09E-03	3.10E-03	1.06E-06	3.20E-06	1.85E-06	1.85E-06	1.70E-06	7.74E-07	7.76E-07	0.00E+00	0.00E+00	3.41E-07	6.28E-08	4.03E-07	6.22E-08	6.01E-08	9.29E-07
2437	496318.25	3859842.96	2.84E-03	2.87E-03	2.87E-03	9.83E-07	2.97E-06	1.72E-06	1.72E-06	1.58E-06	7.19E-07	7.19E-07	0.00E+00	0.00E+00	3.16E-07	5.83E-08	3.74E-07	5.77E-08	5.57E-08	8.62E-07
2438	496418.25	3859842.96	2.70E-03	2.73E-03	2.73E-03	9.35E-07	2.82E-06	1.63E-06	1.63E-06	1.50E-06	6.84E-07	6.83E-07	0.00E+00	0.00E+00	3.01E-07	5.55E-08	3.56E-07	5.49E-08	5.29E-08	8.20E-07
2439	495718.25	3859942.96	3.39E-03	3.42E-03	3.45E-03	1.17E-06	3.54E-06	2.05E-06	2.05E-06	1.88E-06	8.57E-07	8.63E-07	0.00E+00	0.00E+00	3.77E-07	6.96E-08	4.46E-07	6.88E-08	6.68E-08	1.03E-06
2440	495818.25	3859942.96	3.32E-03	3.35E-03	3.38E-03	1.15E-06	3.47E-06	2.01E-06	2.01E-06	1.84E-06	8.39E-07	8.45E-07	0.00E+00	0.00E+00	3.69E-07	6.82E-08	4.37E-07	6.74E-08	6.54E-08	1.01E-06
2441	495918.25	3859942.96	3.27E-03	3.30E-03	3.32E-03	1.13E-06	3.42E-06	1.98E-06	1.98E-06	1.81E-06	8.26E-07	8.31E-07	0.00E+00	0.00E+00	3.64E-07	6.71E-08	4.30E-07	6.63E-08	6.44E-08	9.92E-07
2442	496018.25	3859942.96	3.26E-03	3.29E-03	3.32E-03	1.13E-06	3.41E-06	1.97E-06	1.97E-06	1.81E-06	8.24E-07	8.30E-07	0.00E+00	0.00E+00	3.63E-07	6.70E-08	4.29E-07	6.62E-08	6.43E-08	9.90E-07
2443	496118.25	3859942.96	3.16E-03	3.19E-03	3.21E-03	1.09E-06	3.30E-06	1.91E-06	1.91E-06	1.75E-06	7.99E-07	8.03E-07	0.00E+00	0.00E+00	3.52E-07	6.49E-08	4.16E-07	6.42E-08	6.22E-08	9.59E-07
2444	496218.25	3859942.96	3.01E-03	3.04E-03	3.05E-03	1.04E-06	3.14E-06	1.82E-06	1.82E-06	1.67E-06	7.61E-07	7.63E-07	0.00E+00	0.00E+00	3.35E-07	6.18E-08	3.96E-07	6.11E-08	5.91E-08	9.13E-07
2445	496318.25	3859942.96	2.86E-03	2.89E-03	2.89E-03	9.89E-07	2.99E-06	1.73E-06	1.73E-06	1.58E-06	7.23E-07	7.24E-07	0.00E+00	0.00E+00	3.18E-07	5.87E-08	3.76E-07	5.80E-08	5.61E-08	8.67E-07
2446	496418.25	3859942.96	2.67E-03	2.70E-03	2.70E-03	9.24E-07	2.79E-06	1.61E-06	1.61E-06	1.48E-06	6.75E-07	6.75E-07	0.00E+00	0.00E+00	2.97E-07	5.48E-08	3.52E-07	5.42E-08	5.23E-08	8.10E-07
2447	496856.82	3858864.83	2.16E-03	2.19E-03	2.15E-03	7.47E-07	2.26E-06	1.31E-06	1.31E-06	1.20E-06	5.48E-07	5.39E-07	0.00E+00	0.00E+00	2.40E-07	4.43E-08	2.85E-07	4.40E-08	4.17E-08	6.56E-07
2448	496956.82	3858864.83	2.12E-03	2.15E-03	2.12E-03	7.35E-07	2.22E-06	1.28E-06	1.28E-06	1.18E-06	5.39E-07	5.30E-07	0.00E+00	0.00E+00	2.36E-07	4.36E-08	2.81E-07	4.33E-08	4.10E-08	6.45E-07
2449	497056.82	3858864.83	2.09E-03	2.12E-03	2.08E-03	7.23E-07	2.18E-06	1.26E-06	1.26E-06	1.16E-06	5.30E-07	5.21E-07	0.00E+00	0.00E+00	2.32E-07	4.29E-08	2.76E-07	4.26E-08	4.04E-08	6.34E-07
2450	497156.82	3858864.83	2.05E-03	2.08E-03	2.04E-03	7.09E-07	2.14E-06	1.24E-06	1.24E-06	1.14E-06	5.20E-07	5.11E-07	0.00E+00	0.00E+00	2.28E-07	4.21E-08	2.71E-07	4.18E-08	3.96E-08	6.22E-07
2451	497256.82	3858864.83	2.03E-03	2.06E-03	2.02E-03	7.03E-07	2.12E-06	1.23E-06	1.23E-06	1.13E-06	5.16E-07	5.07E-07	0.00E+00	0.00E+00	2.26E-07	4.17E-08	2.69E-07	4.14E-08	3.92E-08	6.17E-07
2452	496856.82	3858964.83	2.23E-03	2.26E-03	2.23E-03	7.72E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.66E-07	5.58E-07	0.00E+00	0.00E+00	2.48E-07	4.58E-08	2.95E-07	4.55E-08	4.32E-08	6.78E-07
2453	496956.82	3858964.83	2.18E-03	2.21E-03	2.18E-03	7.55E-07	2.28E-06	1.32E-06	1.32E-06	1.21E-06	5.54E-07	5.45E-07	0.00E+00	0.00E+00	2.43E-07	4.48E-08	2.88E-07	4.45E-08	4.22E-08	6.63E-07
2454	497056.82	3858964.83	2.14E-03	2.17E-03	2.14E-03	7.42E-07	2.24E-06	1.30E-06	1.30E-06	1.19E-06	5.44E-07	5.35E-07	0.00E+00	0.00E+00	2.39E-07	4.40E-08	2.83E-07	4.37E-08	4.15E-08	6.51E-07
2455	497156.82	3858964.83	2.10E-03	2.13E-03	2.10E-03	7.28E-07	2.20E-06	1.27E-06	1.27E-06	1.17E-06	5.34E-07	5.26E-07	0.00E+00	0.00E+00	2.34E-07	4.32E-08	2.78E-07	4.29E-08	4.07E-08	6.39E-07
2456	497256.82	3858964.83	2.11E-03	2.14E-03	2.11E-03	7.32E-07	2.21E-06	1.28E-06	1.28E-06	1.18E-06	5.37E-07	5.28E-07	0.00E+00	0.00E+00	2.35E-07	4.34E-08	2.79E-07	4.31E-08	4.09E-08	6.42E-07
2457	496856.82	3859064.83	2.28E-03	2.31E-03	2.28E-03	7.88E-07	2.38E-06	1.38E-06	1.38E-06	1.27E-06	5.77E-07	5.69E-07	0.00E+00	0.00E+00	2.53E-07	4.67E-08	3.01E-07	4.64E-08	4.41E-08	6.91E-07
2458	496956.82	3859064.83	2.23E-03	2.26E-03	2.23E-03	7.73E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.66E-07	5.58E-07	0.00E+00	0.00E+00	2.48E-07	4.58E-08	2.95E-07	4.55E-08	4.32E-08	6.78E-07
2459	497056.82	3859064.83	2.20E-03	2.23E-03	2.20E-03	7.60E-07	2.30E-06	1.33E-06	1.33E-06	1.22E-06	5.57E-07	5.49E-07	0.00E+00	0.00E+00	2.45E-07	4.51E-08	2.90E-07	4.48E-08	4.25E-08	6.67E-07
2460	497156.82	3859064.83	2.17E-03	2.20E-03	2.16E-03	7.50E-07	2.26E-06	1.31E-06	1.31E-06	1.20E-06	5.50E-07	5.41E-07	0.00E+00	0.00E+00	2.41E-07	4.45E-08	2.86E-07	4.41E-08	4.19E-08	6.58E-07
2461	497256.82	3859064.83	2.19E-03	2.22E-03	2.19E-03	7.59E-07	2.29E-06	1.33E-06	1.33E-06	1.22E-06	5.57E-07	5.48E-07	0.00E+00	0.00E+00	2.44E-07	4.50E-08	2.90E-07	4.47E-08	4.24E-08	6.66E-07
2462	496856.82	3859164.83	2.29E-03	2.33E-03	2.30E-03	7.94E-07	2.40E-06	1.39E-06	1.39E-06	1.28E-06	5.82E-07	5.75E-07	0.00E+00	0.00E+00	2.55E-07	4.71E-08	3.03E-07	4.67E-08	4.45E-08	6.97E-07
2463	496956.82	3859164.83	2.25E-03	2.28E-03	2.25E-03	7.78E-07	2.35E-06	1.36E-06	1.36E-06	1.25E-06	5.70E-07	5.63E-07	0.00E+00	0.00E+00	2.50E-07	4.61E-08	2.97E-07	4.58E-08	4.36E-08	6.82E-07
2464	497056.82	3859164.83	2.23E-03	2.26E-03	2.23E-03	7.70E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.65E-07	5.57E-07	0.00E+00	0.00E+00	2.48E-07	4.57E-08	2.94E-07	4.53E-08	4.31E-08	6.76E-07
2465	497156.82	3859164.83	2.23E-03	2.26E-03	2.23E-03	7.72E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.66E-07	5.58E-07	0.00E+00	0.00E+00	2.48E-07	4.58E-08	2.95E-07	4.54E-08	4.32E-08	6.78E-07
2466	497256.82	3859164.83	2.27E-03	2.30E-03	2.27E-03	7.86E-07	2.37E-06	1.37E-06	1.37E-06	1.26E-06	5.76E-07	5.68E-07	0.00E+00	0.00E+00	2.53E-07	4.66E-08	3.00E-07	4.63E-08	4.40E-08	6.90E-07
2467	496856.82	3859264.83	2.29E-03	2.32E-03	2.30E-03	7.94E-07	2.40E-06	1.39E-06	1.39E-06	1.27E-06	5.82E-07	5.75E-07	0.00E+00	0.00E+00	2.55E-07	4.71E-08	3.03E-07	4.67E-08	4.45E-08	6.96E-07
2468	496956.82	3859264.83	2.28E-03	2.31E-03	2.28E-03	7.89E-07	2.38E-06	1.38E-06	1.38E-06	1.27E-06	5.78E-07	5.72E-07	0.00E+00	0.00E+00	2.54E-07	4.68E-08	3.01E-07	4.64E-08	4.43E-08	6.93E-07
2469	497056.82	3859264.83	2.29E-03	2.32E-03	2.29E-03	7.92E-07	2.39E-06	1.38E-06	1.38E-06	1.27E-06	5.81E-07	5.74E-07	0.00E+00	0.00E+00	2.55E-07	4.70E-08	3.02E-07	4.66E-08	4.44E-08	6.95E-07
2470	497156.82	3859264.83	2.29E-03	2.32E-03	2.30E-03	7.94E-07	2.40E-06	1.39E-06	1.39E-06	1.28E-06	5.82E-07	5.75E-07	0.00E+00	0.00E+00	2.55E-07	4.71E-08	3.03E-07	4.67E-08	4.45E-08	6.97E-07
2471	497256.82	3859264.83	2.33E-03	2.36E-03	2.33E-03	8.05E-07	2.43E-06	1.41E-06	1.41E-06	1.29E-06	5.90E-07	5.83E-07	0.00E+00	0.00E+00	2.59E-07	4.78E-08	3.07E-07	4.74E-08	4.51E-08	7.06E-07
2472	497088.92	3858620.93	1.92E-03	1.95E-03	1.91E-03	6.64E-07	2.01E-06	1.16E-06	1.16E-06	1.07E-06	4.87E-07	4.77E-07	0.00E+00	0.00E+00	2.14E-07	3.94E-08	2.54E-07	3.91E-08	3.70E-08	5.83E-07
2473	497138.92	3858620.93	1.91E-03	1.94E-03	1.90E-03	6.62E-07	2.00E-06	1.16E-06	1.16E-06	1.07E-06	4.86E-07	4.76E-07	0.00E+00	0.00E+00	2.13E-07	3.93E-08	2.53E-07	3.90E-08	3.69E-08	5.81E-07
2474	497188.92	3858620.93	1.89E-03	1.92E-03	1.88E-03	6.56E-07	1.98E-06	1.15E-06	1.15E-06	1.05E-06	4.81E-07	4.72E-07	0.00E+00	0.00E+00	2.11E-07	3.89E-08	2.51E-07	3.87E-08	3.65E-08	5.76E-07
2475	497238.92	3858620.93	1.88E-03	1.91E-03	1.87E-03	6.52E-07	1.97E-06	1.14E-06	1.14E-06	1.05E-06	4.79E-07	4.69E-07	0.00E+00	0.00E+00	2.10E-07	3.87E-08	2.49E-07	3.84E-08	3.63E-08	5.72E-07
2476	497088.92	3858670.93	1.93E-03	1.96E-03	1.92E-03	6.67E-07	2.02E-06	1.17E-06	1.17E-06	1.07E-06	4.90E-07	4.80E-07	0.00E+00	0.00E+00	2.15E-07	3.96E-08	2.55E-07	3.93E-08	3.72E-08	5.86E-07
2477	497138.92	3858670.93	1.93E-03	1.96E-03	1.92E-03	6.68E-07	2.02E-06	1.17E-06	1.17E-06	1.08E-06	4.91E-07	4.81E-07	0.00E+00	0.00E+00	2.15E-07	3.97E-08	2.55E-07	3.94E-08	3.72E-08	5.87E-07
2478	497188.92	3858670.93	1.91E-03	1.94E-03	1.90E-03	6.63E-07	2.00E-06	1.16E-06	1.16E-06	1.07E-06	4.86E-07	4.77E-07	0.00E+00	0.00E+00	2.13E-07	3.93E-08	2.53E-07	3.90E-08	3.69E-08	5.82E-07
2479	497238.92	3858670.93	1.91E-03	1.94E-03	1.90E-03	6.60E-07	1.99E-06	1.15E-06	1.15E-06	1.06E-06	4.85E-07	4.75E-07	0.00E+00	0.00E+00	2.12E-07	3.92E-08	2.52E-07	3.89E-08	3.68E-08	5.80E-07
2480	497088.92	3858720.93	1.98E-03	2.00E-03	1.97E-03	6.84E-07	2.06E-06	1.20E-06	1.20E-06	1.10E-06	5.02E-07	4.92E-07	0.00E+00	0.00E+00	2.20E-07	4.06E-08	2.61E-07	4.03E-08	3.81E-08	6.00E-07
2481	497138.92	3858720.93	1.93E-03	1.96E-03	1.92E-03	6.69E-07	2.02E-06	1.17E-06	1.17E-06	1.08E-06	4.91E-07	4.82E-07	0.00E+00	0.00E+00	2.15E-07	3.97E-08	2.56E-07	3.94E-08	3.73E-08	5.87E-07
2482	497188.92	3858720.93	1.92E-03	1.95E-03	1.91E-03	6.65E-07	2.01E-06	1.16E-06	1.16E-06	1.07E-06	4.88E-07	4.79E-07	0.00E+00	0.00E+00	2.14E-07	3.94E-08	2.54E-07	3.92E-08	3.71E-08	5.83E-07
2483	497238.92	3858720.93	1.94E-03	1.97E-03	1.93E-03	6.71E-07	2.03E-06	1.17E-06	1.17E-06	1.08E-06	4.92E-07	4.83E-07	0.00E+00	0.00E+00	2.16E-07	3.98E-08	2.56E-07	3.95E-08	3.74E-08	5.89E-07
2484	497088.92	3858770.93	2.00E-03	2.03E-03	1.99E-03	6.91E-07	2.09E-06	1.21E-06	1.21E-06	1.11E-06	5.07E-07	4.98E-07	0.00E+00	0.00E+00	2.22E-07	4.10E-08	2.64E-07	4.07E-08	3.85E-08	6.07E-07
2485	497138.92	3858770.93	1.98E-03	2.01E-03	1.97E-03	6.84E-07	2.07E-06	1.20E-06	1.20E-06	1.10E-06	5.02E-07	4.93E-07	0.00E+00	0.00E+00	2.20E-07	4.06E-08	2.61E-07	4.03E-08	3.82E-08	6.00E-07
2486	497188.92	3858770.93	1.96E-03	1.99E-03	1.96E-03	6.80E-07	2.05E-06	1.19E-06	1.19E-06	1.09E-06	4.99E-07	4.89E-07	0.00E+00	0.00E+00	2.19E-07	4.03E-08	2.60E-07	4.00E-08	3.79E-08	5.96E-07
2487	497238.92	3858770.93	1.97E-03	2.00E-03	1.96E-03	6.81E-07	2.06E-06	1.19E-06	1.19E-06	1.10E-06	5.00E-07	4.90E-07	0.00E+00	0.00E+00	2.19E-07	4.04E-08	2.60E-07	4.01E-08	3.80E-08	5.98E-07
2488	497396.65	3858622.63	1.93E-03	1.96E-03	1.92E-03	6.69E-07	2.02E-06	1.17E-06	1.17E-06	1.08E-06	4.91E-07	4.81E-07	0.00E+00	0.00E+00	2.15E-07	3.97E-08	2.56E-07	3.95E-08	3.72E-08	5.88E-07
2489	497496.65	3858622.63	1.96E-03	1.99E-03	1.95E-03	6.79E-07	2.05E-06	1.19E-06	1.19E-06	1.09E-06	4.98E-07	4.87E-07	0.00E+00	0.00E+00	2.18E-07	4.03E-08	2.59E-07	4.00E-08	3.77E-08	5.96E-07
2490	497596.65	3858622.63	2.02E-03	2.05E-03	2.01E-03	7.00E-07	2.11E-06	1.22E-06	1.22E-06	1.13E-06	5.14E-07	5.02E-07	0.00E+00	0.00E+00	2.25E-07	4.15E-08	2.68E-07	4.13E-08	3.89E-08	6.14E-07
2491	497696.65	3858622.63	2.03E-03	2.06E-03	2.02E-03	7.04E-07	2.12E-06	1.23E-06	1.23E-06	1.13E-06	5.17E-07	5.05E-07	0.00E+00	0.00E+00	2.26E-07	4.18E-08	2.69E-07	4.15E-08	3.91E-08	6.18E-07
2492	497796.65	3858622.63	2.07E-03	2.10E-03	2.05E-03	7.16E-07	2.16E-06	1.25E-06	1.25E-06	1.15E-06	5.26E-07	5.13E-07	0.00E+00	0.00E+00	2.30E-07	4.25E-08	2.74E-07	4.22E-08	3.97E-08	6.28E-07
2493	497896.65	3858622.63	2.10E-03	2.14E-03	2.09E-03	7.28E-07	2.20E-06	1.27E-06	1.27E-06	1.17E-06	5.35E-07	5.22E-07	0.00E+00	0.00E+00	2.34E-07	4.32E-08	2.79E-07	4.30E-08	4.04E-08	6.39E-07
2494	497396.65	3858722.63	2.00E-03	2.03E-03	1.99E-03	6.93E-07	2.09E-06	1.21E-06	1.21E-06	1.11E-06	5.08E-07	4.98E-07	0.00E+00	0.00E+00	2.23E-07	4.11E-08	2.65E-07	4.08E-08	3.86E-08	6.08E-07
2495	497496.65	3858722.63	2.03E-03	2.06E-03	2.02E-03	7.03E-07	2.12E-06	1.23E-06	1.23E-06	1.13E-06	5.16E-07	5.05E-07	0.00E+00	0.00E+00	2.26E-07	4.17E-08	2.69E-07	4.14E-08	3.91E-08	6.17E-07
2496	497596.65	3858722.63	2.09E-03	2.12E-03	2.07E-03	7.23E-07	2.18E-06	1.26E-06	1.26E-06	1.16E-06	5.31E-07	5.19E-07	0.00E+00	0.00E+00	2.32E-07	4.29E-08	2.76E-07	4.26E-08	4.02E-08	6.34E-07
2497	497696.65	3858722.63	2.12E-03	2.15E-03	2.10E-03	7.33E-07	2.21E-06	1.28E-06	1.28E-06	1.18E-06	5.38E-07	5.26E-07	0.00E+00	0.00E+00	2.36E-07	4.35E-08	2.80E-07	4.32E-08	4.08E-08	6.43E-07
2498	497796.65	3858722.63	2.13E-03	2.16E-03	2.11E-03	7.37E-07	2.23E-06	1.29E-06	1.29E-06	1.19E-06	5.41E-07	5.29E-07	0.00E+00	0.00E+00	2.37E-07	4.37E-08	2.82E-07	4.35E-08	4.10E-08	6.47E-07
2499	497896.65	3858722.63	2.15E-03	2.19E-03	2.14E-03	7.45E-07	2.25E-06	1.30E-06	1.30E-06	1.20E-06	5.47E-07	5.35E-07	0.00E+00	0.00E+00	2.40E-07	4.42E-08	2.85E-07	4.40E-08	4.14E-08	6.54E-07
2500	497396.65	3858822.63	2.05E-03	2.08E-03	2.05E-03	7.11E-07	2.15E-06	1.24E-06	1.24E-06	1.14E-06	5.22E-07	5.12E-07	0.00E+00	0.00E+00	2.29E-07	4.22E-08	2.72E-07	4.19E-08	3.96E-08	6.24E-07
2501	497496.65	3858822.63	2.08E-03	2.11E-03	2.07E-03	7.19E-07	2.17E-06	1.26E-06	1.26E-06	1.16E-06	5.28E-07	5.18E-07	0.00E+00	0.00E+00	2.31E-07	4.27E-08	2.75E-07	4.24E-08	4.01E-08	6.31E-07
2502	497596.65	3858822.63	2.15E-03	2.18E-03	2.14E-03	7.45E-07	2.25E-06	1.30E-06	1.30E-06	1.20E-06	5.47E-07	5.36E-07	0.00E+00	0.00E+00	2.40E-07	4.42E-08	2.85E-07	4.39E-08	4.15E-08	6.54E-07
2503	497696.65	3858822.63	2.17E-03	2.20E-03	2.16E-03	7.51E-07	2.27E-06	1.31E-06	1.31E-06	1.21E-06	5.51E-07	5.40E-07	0.00E+00	0.00E+00	2.41E-07	4.45E-08	2.87E-07	4.42E-08	4.18E-08	6.59E-07
2504	497796.65	3858822.63	2.18E-03	2.22E-03	2.17E-03	7.56E-07	2.28E-06	1.32E-06	1.32E-06	1.22E-06	5.55E-07	5.43E-07	0.00E+00	0.00E+00	2.43E-07	4.48E-08	2.89E-07	4.45E-08	4.21E-08	6.63E-07
2505	497896.65	3858822.63	2.23E-03	2.26E-03	2.22E-03	7.72E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.67E-07	5.55E-07	0.00E+00	0.00E+00	2.48E-07	4.58E-08	2.95E-07	4.55E-08	4.30E-08	6.78E-07
2506	497396.65	3858922.63	2.11E-03	2.14E-03	2.10E-03	7.30E-07	2.20E-06	1.28E-06	1.28E-06	1.17E-06	5.36E-07	5.26E-07	0.00E+00	0.00E+00	2.35E-07	4.33E-08	2.79E-07	4.30E-08	4.07E-08	6.41E-07
2507	497496.65	3858922.63	2.17E-03	2.20E-03	2.16E-03	7.51E-07	2.27E-06	1.31E-06	1.31E-06	1.21E-06	5.51E-07	5.41E-07	0.00E+00	0.00E+00	2.42E-07	4.46E-08	2.87E-07	4.43E-08	4.19E-08	6.59E-07
2508	497596.65	3858922.63	2.16E-03	2.19E-03	2.15E-03	7.48E-07	2.26E-06	1.31E-06	1.31E-06	1.20E-06	5.49E-07	5.39E-07	0.00E+00	0.00E+00	2.41E-07	4.44E-08	2.86E-07	4.41E-08	4.17E-08	6.56E-07
2509	497696.65	3858922.63	2.24E-03	2.27E-03	2.23E-03	7.75E-07	2.34E-06	1.35E-06	1.35E-06	1.25E-06	5.68E-07	5.58E-07	0.00E+00	0.00E+00	2.49E-07	4.60E-08	2.96E-07	4.56E-08	4.32E-08	6.80E-07
2510	497796.65	3858922.63	2.27E-03	2.30E-03	2.26E-03	7.86E-07	2.37E-06	1.37E-06	1.37E-06	1.26E-06	5.77E-07	5.66E-07	0.00E+00	0.00E+00	2.53E-07	4.66E-08	3.00E-07	4.63E-08	4.38E-08	6.90E-07
2511	497896.65	3858922.63	2.34E-03	2.38E-03	2.33E-03	8.11E-07	2.45E-06	1.42E-06	1.42E-06	1.30E-06	5.95E-07	5.84E-07	0.00E+00	0.00E+00	2.61E-07	4.81E-08	3.10E-07	4.78E-08	4.52E-08	7.11E-07
2512	497364.44	3858201.52	1.77E-03	1.80E-03	1.75E-03	6.12E-07	1.85E-06	1.07E-06	1.07E-06	9.86E-07	4.50E-07	4.38E-07	0.00E+00	0.00E+00	1.97E-07	3.63E-08	2.34E-07	3.61E-08	3.39E-08	5.37E-07
2513	497414.44	3858201.52	1.78E-03	1.81E-03	1.77E-03	6.18E-07	1.86E-06	1.08E-06	1.08E-06	9.95E-07	4.54E-07	4.42E-07	0.00E+00	0.00E+00	1.99E-07	3.66E-08	2.36E-07	3.64E-08	3.42E-08	5.42E-07

2514	497464.44	3858201.52	1.79E-03	1.82E-03	1.77E-03	6.21E-07	1.88E-06	1.09E-06	1.09E-06	1.00E-06	4.56E-07	4.44E-07	0.00E+00	0.00E+00	2.00E-07	3.69E-08	2.38E-07	3.66E-08	3.44E-08	5.45E-07
2515	497514.44	3858201.52	1.79E-03	1.82E-03	1.77E-03	6.21E-07	1.87E-06	1.09E-06	1.09E-06	1.00E-06	4.56E-07	4.44E-07	0.00E+00	0.00E+00	2.00E-07	3.68E-08	2.37E-07	3.66E-08	3.44E-08	5.45E-07
2516	497564.44	3858201.52	1.79E-03	1.81E-03	1.77E-03	6.18E-07	1.87E-06	1.08E-06	1.08E-06	9.95E-07	4.54E-07	4.42E-07	0.00E+00	0.00E+00	1.99E-07	3.67E-08	2.36E-07	3.65E-08	3.42E-08	5.42E-07
2517	497614.44	3858201.52	1.79E-03	1.81E-03	1.77E-03	6.18E-07	1.87E-06	1.08E-06	1.08E-06	9.95E-07	4.54E-07	4.42E-07	0.00E+00	0.00E+00	1.99E-07	3.67E-08	2.37E-07	3.65E-08	3.42E-08	5.43E-07
2518	497364.44	3858251.52	1.80E-03	1.83E-03	1.78E-03	6.24E-07	1.88E-06	1.09E-06	1.09E-06	1.00E-06	4.58E-07	4.47E-07	0.00E+00	0.00E+00	2.01E-07	3.70E-08	2.39E-07	3.68E-08	3.46E-08	5.48E-07
2519	497414.44	3858251.52	1.82E-03	1.85E-03	1.80E-03	6.30E-07	1.90E-06	1.10E-06	1.10E-06	1.01E-06	4.63E-07	4.51E-07	0.00E+00	0.00E+00	2.03E-07	3.74E-08	2.41E-07	3.72E-08	3.49E-08	5.53E-07
2520	497464.44	3858251.52	1.81E-03	1.83E-03	1.79E-03	6.25E-07	1.89E-06	1.09E-06	1.09E-06	1.01E-06	4.59E-07	4.47E-07	0.00E+00	0.00E+00	2.01E-07	3.71E-08	2.39E-07	3.69E-08	3.46E-08	5.49E-07
2521	497514.44	3858251.52	1.79E-03	1.82E-03	1.77E-03	6.19E-07	1.87E-06	1.08E-06	1.08E-06	9.96E-07	4.55E-07	4.43E-07	0.00E+00	0.00E+00	1.99E-07	3.67E-08	2.37E-07	3.65E-08	3.43E-08	5.43E-07
2522	497564.44	3858251.52	1.78E-03	1.81E-03	1.76E-03	6.16E-07	1.86E-06	1.08E-06	1.08E-06	9.92E-07	4.53E-07	4.41E-07	0.00E+00	0.00E+00	1.98E-07	3.66E-08	2.36E-07	3.64E-08	3.41E-08	5.41E-07
2523	497614.44	3858251.52	1.77E-03	1.80E-03	1.76E-03	6.14E-07	1.85E-06	1.07E-06	1.07E-06	9.89E-07	4.51E-07	4.39E-07	0.00E+00	0.00E+00	1.97E-07	3.64E-08	2.35E-07	3.62E-08	3.40E-08	5.39E-07
2524	497364.44	3858301.52	1.82E-03	1.85E-03	1.80E-03	6.29E-07	1.90E-06	1.10E-06	1.10E-06	1.01E-06	4.62E-07	4.50E-07	0.00E+00	0.00E+00	2.02E-07	3.73E-08	2.41E-07	3.71E-08	3.49E-08	5.52E-07
2525	497414.44	3858301.52	1.83E-03	1.86E-03	1.81E-03	6.32E-07	1.91E-06	1.11E-06	1.11E-06	1.02E-06	4.65E-07	4.53E-07	0.00E+00	0.00E+00	2.03E-07	3.75E-08	2.42E-07	3.73E-08	3.51E-08	5.55E-07
2526	497464.44	3858301.52	1.81E-03	1.84E-03	1.79E-03	6.26E-07	1.89E-06	1.09E-06	1.09E-06	1.01E-06	4.60E-07	4.48E-07	0.00E+00	0.00E+00	2.01E-07	3.71E-08	2.39E-07	3.69E-08	3.47E-08	5.50E-07
2527	497514.44	3858301.52	1.80E-03	1.82E-03	1.78E-03	6.22E-07	1.88E-06	1.09E-06	1.09E-06	1.00E-06	4.57E-07	4.45E-07	0.00E+00	0.00E+00	2.00E-07	3.69E-08	2.38E-07	3.67E-08	3.45E-08	5.46E-07
2528	497564.44	3858301.52	1.78E-03	1.81E-03	1.76E-03	6.15E-07	1.86E-06	1.08E-06	1.08E-06	9.90E-07	4.52E-07	4.40E-07	0.00E+00	0.00E+00	1.98E-07	3.65E-08	2.35E-07	3.63E-08	3.41E-08	5.40E-07
2529	497614.44	3858301.52	1.77E-03	1.80E-03	1.75E-03	6.12E-07	1.85E-06	1.07E-06	1.07E-06	9.86E-07	4.50E-07	4.38E-07	0.00E+00	0.00E+00	1.97E-07	3.63E-08	2.34E-07	3.61E-08	3.39E-08	5.38E-07
2530	497364.44	3858351.52	1.84E-03	1.87E-03	1.82E-03	6.36E-07	1.92E-06	1.11E-06	1.11E-06	1.02E-06	4.67E-07	4.55E-07	0.00E+00	0.00E+00	2.04E-07	3.77E-08	2.43E-07	3.75E-08	3.53E-08	5.58E-07
2531	497414.44	3858351.52	1.82E-03	1.85E-03	1.81E-03	6.31E-07	1.91E-06	1.10E-06	1.10E-06	1.02E-06	4.64E-07	4.52E-07	0.00E+00	0.00E+00	2.03E-07	3.75E-08	2.41E-07	3.72E-08	3.50E-08	5.54E-07
2532	497464.44	3858351.52	1.82E-03	1.85E-03	1.80E-03	6.29E-07	1.90E-06	1.10E-06	1.10E-06	1.01E-06	4.62E-07	4.51E-07	0.00E+00	0.00E+00	2.02E-07	3.73E-08	2.41E-07	3.71E-08	3.49E-08	5.52E-07
2533	497514.44	3858351.52	1.81E-03	1.84E-03	1.79E-03	6.25E-07	1.89E-06	1.09E-06	1.09E-06	1.01E-06	4.59E-07	4.48E-07	0.00E+00	0.00E+00	2.01E-07	3.71E-08	2.39E-07	3.69E-08	3.47E-08	5.49E-07
2534	497564.44	3858351.52	1.78E-03	1.81E-03	1.77E-03	6.17E-07	1.86E-06	1.08E-06	1.08E-06	9.94E-07	4.53E-07	4.42E-07	0.00E+00	0.00E+00	1.99E-07	3.66E-08	2.36E-07	3.64E-08	3.42E-08	5.42E-07
2535	497614.44	3858351.52	1.78E-03	1.80E-03	1.76E-03	6.15E-07	1.86E-06	1.07E-06	1.07E-06	9.90E-07	4.52E-07	4.40E-07	0.00E+00	0.00E+00	1.98E-07	3.65E-08	2.35E-07	3.63E-08	3.41E-08	5.40E-07
2536	497364.44	3858401.52	1.84E-03	1.87E-03	1.82E-03	6.36E-07	1.92E-06	1.11E-06	1.11E-06	1.02E-06	4.67E-07	4.56E-07	0.00E+00	0.00E+00	2.04E-07	3.77E-08	2.43E-07	3.75E-08	3.53E-08	5.58E-07
2537	497414.44	3858401.52	1.83E-03	1.86E-03	1.81E-03	6.33E-07	1.91E-06	1.11E-06	1.11E-06	1.02E-06	4.65E-07	4.54E-07	0.00E+00	0.00E+00	2.04E-07	3.76E-08	2.42E-07	3.73E-08	3.51E-08	5.56E-07
2538	497464.44	3858401.52	1.81E-03	1.84E-03	1.80E-03	6.28E-07	1.90E-06	1.10E-06	1.10E-06	1.01E-06	4.61E-07	4.50E-07	0.00E+00	0.00E+00	2.02E-07	3.73E-08	2.40E-07	3.70E-08	3.49E-08	5.51E-07
2539	497514.44	3858401.52	1.81E-03	1.83E-03	1.79E-03	6.25E-07	1.89E-06	1.09E-06	1.09E-06	1.01E-06	4.59E-07	4.48E-07	0.00E+00	0.00E+00	2.01E-07	3.71E-08	2.39E-07	3.69E-08	3.47E-08	5.49E-07
2540	497564.44	3858401.52	1.82E-03	1.85E-03	1.80E-03	6.29E-07	1.90E-06	1.10E-06	1.10E-06	1.01E-06	4.62E-07	4.51E-07	0.00E+00	0.00E+00	2.02E-07	3.73E-08	2.41E-07	3.71E-08	3.49E-08	5.52E-07
2541	497614.44	3858401.52	1.83E-03	1.86E-03	1.81E-03	6.34E-07	1.91E-06	1.11E-06	1.11E-06	1.02E-06	4.66E-07	4.54E-07	0.00E+00	0.00E+00	2.04E-07	3.76E-08	2.42E-07	3.74E-08	3.52E-08	5.57E-07
2542	493478.11	3860497.94	4.98E-03	5.01E-03	5.14E-03	1.72E-06	5.20E-06	3.01E-06	3.01E-06	2.75E-06	1.25E-06	1.29E-06	0.00E+00	0.00E+00	5.54E-07	1.02E-07	6.53E-07	1.01E-07	9.96E-08	1.51E-06
2543	493528.11	3860497.94	4.93E-03	4.96E-03	5.09E-03	1.71E-06	5.15E-06	2.98E-06	2.98E-06	2.72E-06	1.24E-06	1.27E-06	0.00E+00	0.00E+00	5.49E-07	1.01E-07	6.47E-07	9.97E-08	9.87E-08	1.50E-06
2544	493478.11	3860547.94	4.89E-03	4.92E-03	5.05E-03	1.69E-06	5.11E-06	2.96E-06	2.96E-06	2.70E-06	1.23E-06	1.26E-06	0.00E+00	0.00E+00	5.44E-07	1.00E-07	6.41E-07	9.88E-08	9.78E-08	1.48E-06
2545	493528.11	3860547.94	4.85E-03	4.88E-03	5.01E-03	1.68E-06	5.07E-06	2.93E-06	2.93E-06	2.68E-06	1.22E-06	1.25E-06	0.00E+00	0.00E+00	5.40E-07	9.96E-08	6.36E-07	9.80E-08	9.70E-08	1.47E-06
2546	493478.11	3860597.94	4.80E-03	4.83E-03	4.96E-03	1.66E-06	5.02E-06	2.90E-06	2.90E-06	2.65E-06	1.21E-06	1.24E-06	0.00E+00	0.00E+00	5.34E-07	9.86E-08	6.29E-07	9.70E-08	9.61E-08	1.46E-06
2547	493528.11	3860597.94	4.76E-03	4.79E-03	4.91E-03	1.65E-06	4.97E-06	2.88E-06	2.88E-06	2.62E-06	1.20E-06	1.23E-06	0.00E+00	0.00E+00	5.30E-07	9.77E-08	6.24E-07	9.62E-08	9.52E-08	1.44E-06
2548	493561.88	3860524.64	4.86E-03	4.89E-03	5.01E-03	1.68E-06	5.07E-06	2.94E-06	2.94E-06	2.68E-06	1.22E-06	1.25E-06	0.00E+00	0.00E+00	5.40E-07	9.97E-08	6.37E-07	9.82E-08	9.71E-08	1.47E-06
2549	493591.88	3860524.64	4.83E-03	4.86E-03	4.98E-03	1.67E-06	5.05E-06	2.92E-06	2.92E-06	2.66E-06	1.22E-06	1.25E-06	0.00E+00	0.00E+00	5.37E-07	9.92E-08	6.33E-07	9.76E-08	9.66E-08	1.46E-06
2550	493561.88	3860554.64	4.81E-03	4.84E-03	4.96E-03	1.66E-06	5.02E-06	2.91E-06	2.91E-06	2.65E-06	1.21E-06	1.24E-06	0.00E+00	0.00E+00	5.35E-07	9.87E-08	6.30E-07	9.72E-08	9.62E-08	1.46E-06
2551	493591.88	3860554.64	4.78E-03	4.81E-03	4.93E-03	1.65E-06	4.99E-06	2.89E-06	2.89E-06	2.64E-06	1.20E-06	1.23E-06	0.00E+00	0.00E+00	5.32E-07	9.81E-08	6.26E-07	9.66E-08	9.55E-08	1.45E-06
2552	492880.5	3860293.11	6.07E-03	6.11E-03	6.29E-03	2.10E-06	6.35E-06	3.67E-06	3.67E-06	3.35E-06	1.53E-06	1.57E-06	0.00E+00	0.00E+00	6.76E-07	1.25E-07	7.96E-07	1.23E-07	1.22E-07	1.84E-06
2553	492930.5	3860293.11	6.00E-03	6.03E-03	6.21E-03	2.08E-06	6.27E-06	3.63E-06	3.63E-06	3.31E-06	1.51E-06	1.55E-06	0.00E+00	0.00E+00	6.68E-07	1.23E-07	7.86E-07	1.21E-07	1.20E-07	1.82E-06
2554	492980.5	3860293.11	5.92E-03	5.96E-03	6.13E-03	2.05E-06	6.19E-06	3.58E-06	3.58E-06	3.27E-06	1.49E-06	1.53E-06	0.00E+00	0.00E+00	6.59E-07	1.22E-07	7.76E-07	1.20E-07	1.19E-07	1.80E-06
2555	493030.5	3860293.11	5.82E-03	5.85E-03	6.01E-03	2.01E-06	6.08E-06	3.52E-06	3.52E-06	3.21E-06	1.46E-06	1.50E-06	0.00E+00	0.00E+00	6.47E-07	1.19E-07	7.62E-07	1.18E-07	1.17E-07	1.76E-06
2556	493080.5	3860293.11	5.67E-03	5.70E-03	5.86E-03	1.96E-06	5.93E-06	3.43E-06	3.43E-06	3.13E-06	1.43E-06	1.47E-06	0.00E+00	0.00E+00	6.31E-07	1.16E-07	7.43E-07	1.15E-07	1.14E-07	1.72E-06
2557	493130.5	3860293.11	5.67E-03	5.70E-03	5.85E-03	1.96E-06	5.92E-06	3.43E-06	3.43E-06	3.13E-06	1.43E-06	1.47E-06	0.00E+00	0.00E+00	6.31E-07	1.16E-07	7.43E-07	1.15E-07	1.13E-07	1.72E-06
2558	493180.5	3860293.11	5.64E-03	5.67E-03	5.83E-03	1.95E-06	5.90E-06	3.41E-06	3.41E-06	3.11E-06	1.42E-06	1.46E-06	0.00E+00	0.00E+00	6.28E-07	1.16E-07	7.39E-07	1.14E-07	1.13E-07	1.71E-06
2559	493230.5	3860293.11	5.59E-03	5.62E-03	5.77E-03	1.93E-06	5.84E-06	3.38E-06	3.38E-06	3.08E-06	1.41E-06	1.44E-06	0.00E+00	0.00E+00	6.22E-07	1.15E-07	7.32E-07	1.13E-07	1.12E-07	1.69E-06
2560	493280.5	3860293.11	5.50E-03	5.54E-03	5.68E-03	1.90E-06	5.75E-06	3.33E-06	3.33E-06	3.04E-06	1.39E-06	1.42E-06	0.00E+00	0.00E+00	6.12E-07	1.13E-07	7.21E-07	1.11E-07	1.10E-07	1.67E-06
2561	493330.5	3860293.11	5.43E-03	5.47E-03	5.61E-03	1.88E-06	5.68E-06	3.29E-06	3.29E-06	3.00E-06	1.37E-06	1.40E-06	0.00E+00	0.00E+00	6.05E-07	1.12E-07	7.12E-07	1.10E-07	1.09E-07	1.65E-06
2562	493380.5	3860293.11	5.37E-03	5.40E-03	5.54E-03	1.86E-06	5.61E-06	3.25E-06	3.25E-06	2.96E-06	1.35E-06	1.39E-06	0.00E+00	0.00E+00	5.98E-07	1.10E-07	7.04E-07	1.09E-07	1.07E-07	1.63E-06
2563	492880.5	3860343.11	5.97E-03	6.00E-03	6.18E-03	2.07E-06	6.24E-06	3.61E-06	3.61E-06	3.29E-06	1.50E-06	1.55E-06	0.00E+00	0.00E+00	6.64E-07	1.23E-07	7.82E-07	1.21E-07	1.20E-07	1.81E-06
2564	492930.5	3860343.11	5.90E-03	5.93E-03	6.11E-03	2.04E-06	6.17E-06	3.57E-06	3.57E-06	3.25E-06	1.48E-06	1.53E-06	0.00E+00	0.00E+00	6.57E-07	1.21E-07	7.73E-07	1.19E-07	1.18E-07	1.79E-06
2565	492980.5	3860343.11	5.81E-03	5.84E-03	6.01E-03	2.01E-06	6.07E-06	3.51E-06	3.51E-06	3.20E-06	1.46E-06	1.50E-06	0.00E+00	0.00E+00	6.46E-07	1.19E-07	7.61E-07	1.17E-07	1.16E-07	1.76E-06
2566	493030.5	3860343.11	5.74E-03	5.77E-03	5.94E-03	1.99E-06	6.00E-06	3.47E-06	3.47E-06	3.17E-06	1.44E-06	1.49E-06	0.00E+00	0.00E+00	6.39E-07	1.18E-07	7.52E-07	1.16E-07	1.15E-07	1.74E-06
2567	493080.5	3860343.11	5.63E-03	5.66E-03	5.82E-03	1.95E-06	5.88E-06	3.41E-06	3.41E-06	3.10E-06	1.42E-06	1.46E-06	0.00E+00	0.00E+00	6.26E-07	1.16E-07	7.38E-07	1.14E-07	1.13E-07	1.71E-06
2568	493130.5	3860343.11	5.58E-03	5.62E-03	5.77E-03	1.93E-06	5.84E-06	3.38E-06	3.38E-06	3.08E-06	1.41E-06	1.44E-06	0.00E+00	0.00E+00	6.22E-07	1.15E-07	7.32E-07	1.13E-07	1.12E-07	1.69E-06
2569	493180.5	3860343.11	5.56E-03	5.59E-03	5.75E-03	1.92E-06	5.81E-06	3.36E-06	3.36E-06	3.07E-06	1.40E-06	1.44E-06	0.00E+00	0.00E+00	6.19E-07	1.14E-07	7.29E-07	1.12E-07	1.11E-07	1.69E-06
2570	493230.5	3860343.11	5.50E-03	5.54E-03	5.69E-03	1.91E-06	5.75E-06	3.33E-06	3.33E-06	3.04E-06	1.39E-06	1.42E-06	0.00E+00	0.00E+00	6.13E-07	1.13E-07	7.22E-07	1.11E-07	1.10E-07	1.67E-06
2571	493280.5	3860343.11	5.43E-03	5.46E-03	5.60E-03	1.88E-06	5.67E-06	3.28E-06	3.28E-06	2.99E-06	1.37E-06	1.40E-06	0.00E+00	0.00E+00	6.04E-07	1.11E-07	7.11E-07	1.10E-07	1.09E-07	1.65E-06
2572	493330.5	3860343.11	5.36E-03	5.39E-03	5.53E-03	1.85E-06	5.60E-06	3.24E-06	3.24E-06	2.96E-06	1.35E-06	1.38E-06	0.00E+00	0.00E+00	5.96E-07	1.10E-07	7.02E-07	1.08E-07	1.07E-07	1.62E-06
2573	493380.5	3860343.11	5.30E-03	5.33E-03	5.47E-03	1.83E-06	5.54E-06	3.21E-06	3.21E-06	2.92E-06	1.33E-06	1.37E-06	0.00E+00	0.00E+00	5.90E-07	1.09E-07	6.95E-07	1.07E-07	1.06E-07	1.61E-06
2574	492880.5	3860393.11	5.86E-03	5.89E-03	6.07E-03	2.03E-06	6.13E-06	3.55E-06	3.55E-06	3.23E-06	1.47E-06	1.52E-06	0.00E+00	0.00E+00	6.52E-07	1.20E-07	7.68E-07	1.18E-07	1.18E-07	1.78E-06
2575	492930.5	3860393.11	5.79E-03	5.82E-03	6.00E-03	2.00E-06	6.05E-06	3.50E-06	3.50E-06	3.19E-06	1.46E-06	1.50E-06	0.00E+00	0.00E+00	6.45E-07	1.19E-07	7.59E-07	1.17E-07	1.16E-07	1.76E-06
2576	492980.5	3860393.11	5.72E-03	5.75E-03	5.92E-03	1.98E-06	5.98E-06	3.46E-06	3.46E-06	3.15E-06	1.44E-06	1.48E-06	0.00E+00	0.00E+00	6.37E-07	1.17E-07	7.49E-07	1.16E-07	1.15E-07	1.73E-06
2577	493030.5	3860393.11	5.65E-03	5.68E-03	5.85E-03	1.96E-06	5.90E-06	3.42E-06	3.42E-06	3.12E-06	1.42E-06	1.46E-06	0.00E+00	0.00E+00	6.29E-07	1.16E-07	7.40E-07	1.14E-07	1.13E-07	1.71E-06
2578	493080.5	3860393.11	5.55E-03	5.58E-03	5.74E-03	1.92E-06	5.80E-06	3.36E-06	3.36E-06	3.06E-06	1.40E-06	1.44E-06	0.00E+00	0.00E+00	6.18E-07	1.14E-07	7.28E-07	1.12E-07	1.11E-07	1.68E-06
2579	493130.5	3860393.11	5.51E-03	5.54E-03	5.70E-03	1.91E-06	5.76E-06	3.34E-06	3.34E-06	3.04E-06	1.39E-06	1.43E-06	0.00E+00	0.00E+00	6.14E-07	1.13E-07	7.22E-07	1.11E-07	1.10E-07	1.67E-06
2580	493180.5	3860393.11	5.47E-03	5.51E-03	5.66E-03	1.90E-06	5.72E-06	3.31E-06	3.31E-06	3.02E-06	1.38E-06	1.42E-06	0.00E+00	0.00E+00	6.09E-07	1.12E-07	7.18E-07	1.11E-07	1.10E-07	1.66E-06
2581	493230.5	3860393.11	5.42E-03	5.45E-03	5.60E-03	1.88E-06	5.66E-06	3.28E-06	3.28E-06	2.99E-06	1.36E-06	1.40E-06	0.00E+00	0.00E+00	6.03E-07	1.11E-07	7.10E-07	1.09E-07	1.08E-07	1.64E-06
2582	493280.5	3860393.11	5.35E-03	5.38E-03	5.52E-03	1.85E-06	5.59E-06	3.23E-06	3.23E-06	2.95E-06	1.35E-06	1.38E-06	0.00E+00	0.00E+00	5.95E-07	1.10E-07	7.01E-07	1.08E-07	1.07E-07	1.62E-06
2583	493330.5	3860393.11	5.28E-03	5.31E-03	5.45E-03	1.83E-06	5.52E-06	3.19E-06	3.19E-06	2.91E-06	1.33E-06	1.36E-06	0.00E+00	0.00E+00	5.88E-07	1.08E-07	6.92E-07	1.07E-07	1.06E-07	1.60E-06
2584	493380.5	3860393.11	5.22E-03	5.25E-03	5.39E-03	1.81E-06	5.46E-06	3.16E-06	3.16E-06	2.88E-06	1.31E-06	1.35E-06	0.00E+00	0.00E+00	5.81E-07	1.07E-07	6.85E-07	1.06E-07	1.04E-07	1.58E-06
2585	492880.5	3860443.11	5.75E-03	5.78E-03	5.95E-03	1.99E-06	6.01E-06	3.48E-06	3.48E-06	3.17E-06	1.45E-06	1.49E-06	0.00E+00	0.00E+00	6.40E-07	1.18E-07	7.53E-07	1.16E-07	1.15E-07	1.74E-06
2586	492930.5	3860443.11	5.68E-03	5.71E-03	5.89E-03	1.97E-06	5.94E-06	3.44E-06	3.44E-06	3.13E-06	1.43E-06	1.47E-06	0.00E+00	0.00E+00	6.33E-07	1.17E-07	7.45E-07	1.15E-07	1.14E-07	1.72E-06
2587	492980.5	3860443.11	5.62E-03	5.65E-03	5.82E-03	1.95E-06	5.88E-06	3.40E-06	3.40E-06	3.10E-06	1.41E-06	1.46E-06	0.00E+00	0.00E+00	6.26E-07	1.15E-07	7.37E-07	1.14E-07	1.13E-07	1.70E-06
2588	493030.5	3860443.11	5.55E-03	5.58E-03	5.75E-03	1.92E-06	5.80E-06	3.36E-06	3.36E-06	3.06E-06	1.40E-06	1.44E-06	0.00E+00	0.00E+00	6.18E-07	1.14E-07	7.28E-07	1.12E-07	1.11E-07	1.68E-06
2589	493080.5	3860443.11	5.49E-03	5.52E-03	5.68E-03	1.90E-06	5.74E-06	3.32E-06	3.32E-06	3.03E-06	1.38E-06	1.42E-06	0.00E+00	0.00E+00	6.12E-07	1.13E-07	7.20E-07	1.11E-07	1.10E-07	1.67E-06
2590	493130.5	3860443.11	5.43E-03	5.46E-03	5.62E-03	1.88E-06	5.68E-06	3.29E-06	3.29E-06	3.00E-06	1.37E-06	1.41E-06	0.00E+00	0.00E+00	6.05E-07	1.12E-07	7.12E-07	1.10E-07	1.09E-07	1.65E-06
2591	493180.5	3860443.11	5.39E-03	5.42E-03	5.57E-03	1.86E-06	5.63E-06	3.26E-06	3.26E-06	2.97E-06	1.36E-06	1.39E-06	0.00E+00	0.00E+00	6.00E-07	1.11E-07	7.06E-07	1.09E-07	1.08E-07	1.63E-06
2592	493230.5	3860443.11	5.32E-03	5.35E-03	5.50E-03	1.84E-06	5.56E-06	3.22E-06	3.22E-06	2.94E-06	1.34E-06	1.38E-06	0.00E+00	0.00E+00	5.92E-07	1.09E-07	6.98E-07	1.08E-07	1.07E-07	1.61E-06
2593	493280.5	3860443.11	5.26E-03	5.29E-03	5.44E-03	1.82E-06	5.50E-06	3.18E-06	3.18E-06	2.90E-06	1.32E-06	1.36E-06	0.00E+00	0.00E+00	5.86E-07	1.08E-07	6.90E-07	1.06E-07	1.05E-07	1.60E-06
2594	493330.5	3860443.11	5.20E-03	5.23E-03	5.37E-03	1.80E-06	5.43E-06	3.14E-06	3.14E-06	2.87E-06	1.31E-06	1.34E-06	0.00E+00	0.00E+00	5.78E-07	1.07E-07	6.81E-07	1.05E-07	1.04E-07	1.58E-06
2595	493380.5	3860443.11	5.15E-03	5.18E-03	5.32E-03	1.78E-06	5.38E-06	3.11E-06	3.11E-06	2.84E-06	1.30E-06	1.33E-06	0.00E+00	0.00E+00	5.73E-07	1.06E-07	6.75E-07	1.04E-07	1.03E-07	1.56E-06
2596	493180.5	3860493.11	5.29E-03	5.32E-03	5.47E-03	1.83E-06	5.52E-06	3.20E-06	3.20E-06	2.92E-06	1.33E-06	1.37E-06	0.00E+00	0.00E+00	5.88E-07	1.09E-07	6.93E-07	1.07E-07	1.06E-07	1.60E-06
2597	493230.5	3860493.11	5.23E-03	5.26E-03	5.41E-03	1.81E-06	5.47E-06	3.16E-06	3.16E-06	2.88E-06	1.32E-06	1.35E-06	0.00E+00	0.00E+00	5.82E-07	1.07E-07	6.85E-07	1.06E-07	1.05E-07	1.59E-06
2598	493280.5	3860493.11	5.17E-03	5.20E-03	5.35E-03	1.79E-06	5.41E-06	3.13E-06	3.13E-06	2.85E-06	1.30E-06	1.34E-06	0.00E+00	0.00E+00	5.76E-07	1.06E-07	6.78E-07	1.05E-07	1.04E-07	1.57E-06
2599	493330.5	3860493.11	5.12E-03	5.15E-03	5.29E-03	1.77E-06	5.35E-06	3.10E-06	3.10E-06	2.82E-06	1.29E-06	1.32E-06	0.00E+00	0.00E+00	5.70E-07	1.05E-07	6.71E-07	1.03E-07	1.02E-07	1.55E-06
2600	493380.5	3860493.11	5.07E-03	5.10E-03	5.24E-03	1.76E-06	5.30E-06	3.07E-06	3.07E-06	2.80E-06	1.28E-06	1.31E-06	0.00E+00	0.00E+00	5.64E-07	1.04E-07	6.65E-07	1.03E-07	1.02E-07	1.54E-06
2601	493330.5	3860543.11	5.03E-03	5.06E-03	5.20E-03	1.74E-06	5.25E-06	3.04E-06	3.04E-06	2.77E-06	1.27E-06	1.30E-06	0.00E+00	0.00E+00	5.60E-07	1.03E-07	6.59E-07	1.02E-07	1.01E-07	1.52E-06
2602	493380.5	3860543.11	4.98E-03	5.01E-03	5.15E-03	1.72E-06	5.21E-06	3.01E-06	3.01E-06	2.75E-06	1.25E-06	1.29E-06	0.00E+00	0.00E+00	5.55E-07	1.02E-07	6.53E-07	1.01E-07	9.98E-08	1.51E-06
2603	494135.94	3860876.85	3.87E-03	3.89E-03	3.99E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.14E-06	9.74E-07	9.97E-07	0.00E+00	0.00E+00	4.31E-07	7.94E-08	5.07E-07	7.82E-08	7.72E-08	1.17E-06
2604	494185.94	3860876.85	3.84E-03	3.87E-03	3.96E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.12E-06	9.67E-07	9.90E-07	0.00E+00	0.00E+00	4.27E-07	7.89E-08	5.04E-07	7.77E-08	7.67E-08	1.16E-06
2605	494135.94	3860926.85	3.79E-03	3.81E-03	3.91E-03	1.31E-06	3.96E-06	2.29E-06	2.29E-06	2.09E-06	9.55E-07	9.78E-07	0.00E+00	0.00E+00	4.22E-07	7.78E-08	4.97E-07	7.67E-08	7.57E-08	1.15E-06
2606	494185.94	3860926.85	3.76E-03	3.79E-03	3.88E-03	1.30E-06	3.93E-06	2.28E-06	2.28E-06	2.08E-06	9.48E-07	9.71E-07	0.00E+00	0.00E+00	4.19E-07	7.73E-08	4.94E-07	7.61E-08	7.51E-08	1.14E-06
2607	494135.94	3860976.85	3.71E-03	3.74E-03	3.83E-03	1.29E-06	3.88E-06	2.25E-06	2.25E-06	2.05E-06	9.35E-07	9.58E-07	0.00E+00	0.00E+00	4.13E-07	7.62E-08	4.87E-07	7.51E-08	7.42E-08	1.13E-06
2608	494185.94	3860976.85	3.69E-03	3.71E-03	3.80E-03	1.28E-06	3.85E-06	2.23E-06	2.23E-06	2.04E-06	9.29E-07	9.51E-07	0.00E+00	0.00E+00	4.10E-07	7.57E-08	4.84E-07	7.46E-08	7.37E-08	1.12E-06
2609	494135.94	3861026.85	3.64E-03	3.66E-03	3.75E-03	1.26E-06	3.80E-06	2.20E-06	2.20E-06	2.01E-06	9.16E-07	9.38E-07	0.00E+00	0.00E+00	4.05E-07	7.47E-08	4.77E-07	7.35E-08	7.26E-08	1.10E-06
2610	494185.94	3861026.85	3.61E-03	3.64E-03	3.72E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	1.99E-06	9.10E-07	9.32E-07	0.00E+00	0.00E+00	4.02E-07	7.42E-08	4.74E-07	7.31E-08	7.22E-08	1.10E-06
2611	494135.94	3861076.85	3.56E-03	3.58E-03	3.67E-03	1.23E-06	3.72E-06	2.15E-06	2.15E-06	1.96E-06	8.97E-07	9.19E-07	0.00E+00	0.00E+00	3.96E-07	7.31E-08	4.67E-07	7.20E-08	7.11E-08	1.08E-06
2612	494185.94	3861076.85	3.54E-03	3.56E-03	3.65E-03	1.22E-06	3.70E-06	2.14E-06	2.14E-06	1.95E-06	8.91E-07	9.12E-07	0.00E+00	0.00E+00	3.94E-07	7.26E-08	4.64E-07	7.15E-08	7.07E-08	1.07E-06
2613	490360.04	3858710.04	1.27E-02	1.28E-02	1.31E-02	4.39E-06	1.33E-05	7.68E-06	7.68E-06	7.00E-06	3.20E-06	3.27E-06	0.00E+00	0.00E+00	1.41E-06	2.61E-07	1.66E-06	2.57E-07	2.53E-07	3.85E-06
2614	490410.04	3858710.04	1.24E-02	1.25E-02	1.28E-02	4.29E-06	1.30E-05	7.51E-06	7.51E-06	6.85E-06	3.12E-06	3.20E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.63E-06	2.51E-07	2.48E-07	3.76E-06
2615	490460.04	3858710.04	1.20E-02	1.21E-02	1.24E-02	4.17E-06	1.26E-05	7.29E-06	7.29E-06	6.65E-06	3.03E-06	3.10E-06	0.00E+00	0.00E+00	1.34E-06	2.47E-07	1.58E-06	2.44E-07	2.40E-07	3.65E-06
2616	490510.04	3858710.04	1.18E-02	1.19E-02	1.21E-02	4.08E-06	1.23E-05	7.13E-06	7.13E-06	6.51E-06	2.97E-06	3.03E-06	0.00E+00	0.00E+00	1.31E-06	2.42E-07	1.55E-06	2.38E-07	2.35E-07	3.57E-06
2617	490560.04	3858710.04	1.16E-02	1.16E-02	1.19E-02	4.00E-06	1.21E-05	6.99E-06	6.99E-06	6.38E-06	2.91E-06	2.97E-06	0.00E+00	0.00E+00	1.29E-06	2.37E-07	1.52E-06	2.34E-07	2.30E-07	3.50E-06
2618	490610.04	3858710.04	1.13E-02	1.14E-02	1.16E-02	3.92E-06	1.18E-05	6.85E-06	6.85E-06	6.25E-06	2.85E-06	2.91E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.48E-06	2.29E-07	2.25E-07	3.43E-06

2619	490660.04	3858710.04	1.12E-02	1.12E-02	1.15E-02	3.86E-06	1.17E-05	6.75E-06	6.75E-06	6.16E-06	2.81E-06	2.87E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.46E-06	2.26E-07	2.22E-07	3.38E-06
2620	490710.04	3858710.04	1.09E-02	1.10E-02	1.12E-02	3.77E-06	1.14E-05	6.59E-06	6.59E-06	6.01E-06	2.74E-06	2.80E-06	0.00E+00	0.00E+00	1.21E-06	2.24E-07	1.43E-06	2.20E-07	2.17E-07	3.30E-06
2621	490760.04	3858710.04	1.06E-02	1.07E-02	1.09E-02	3.69E-06	1.11E-05	6.44E-06	6.44E-06	5.88E-06	2.68E-06	2.73E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.40E-06	2.16E-07	2.12E-07	3.23E-06
2622	490810.04	3858710.04	1.04E-02	1.05E-02	1.07E-02	3.61E-06	1.09E-05	6.30E-06	6.30E-06	5.76E-06	2.63E-06	2.67E-06	0.00E+00	0.00E+00	1.16E-06	2.14E-07	1.37E-06	2.11E-07	2.07E-07	3.16E-06
2623	490860.04	3858710.04	1.01E-02	1.02E-02	1.04E-02	3.51E-06	1.06E-05	6.14E-06	6.14E-06	5.61E-06	2.56E-06	2.60E-06	0.00E+00	0.00E+00	1.13E-06	2.08E-07	1.33E-06	2.06E-07	2.02E-07	3.08E-06
2624	490360.04	3858760.04	1.30E-02	1.30E-02	1.34E-02	4.49E-06	1.36E-05	7.85E-06	7.85E-06	7.16E-06	3.27E-06	3.35E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.70E-06	2.62E-07	2.59E-07	3.93E-06
2625	490410.04	3858760.04	1.26E-02	1.27E-02	1.30E-02	4.38E-06	1.32E-05	7.65E-06	7.65E-06	6.98E-06	3.18E-06	3.27E-06	0.00E+00	0.00E+00	1.41E-06	2.60E-07	1.66E-06	2.56E-07	2.53E-07	3.83E-06
2626	490460.04	3858760.04	1.23E-02	1.24E-02	1.27E-02	4.26E-06	1.29E-05	7.45E-06	7.45E-06	6.79E-06	3.10E-06	3.18E-06	0.00E+00	0.00E+00	1.37E-06	2.53E-07	1.61E-06	2.49E-07	2.46E-07	3.73E-06
2627	490510.04	3858760.04	1.20E-02	1.20E-02	1.23E-02	4.14E-06	1.25E-05	7.24E-06	7.24E-06	6.61E-06	3.01E-06	3.09E-06	0.00E+00	0.00E+00	1.33E-06	2.46E-07	1.57E-06	2.42E-07	2.39E-07	3.63E-06
2628	490560.04	3858760.04	1.17E-02	1.18E-02	1.20E-02	4.05E-06	1.22E-05	7.08E-06	7.08E-06	6.46E-06	2.95E-06	3.01E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.53E-06	2.37E-07	2.33E-07	3.55E-06
2629	490610.04	3858760.04	1.14E-02	1.15E-02	1.17E-02	3.95E-06	1.19E-05	6.90E-06	6.90E-06	6.30E-06	2.88E-06	2.94E-06	0.00E+00	0.00E+00	1.27E-06	2.34E-07	1.50E-06	2.31E-07	2.28E-07	3.46E-06
2630	490660.04	3858760.04	1.12E-02	1.12E-02	1.15E-02	3.86E-06	1.17E-05	6.75E-06	6.75E-06	6.16E-06	2.81E-06	2.87E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.46E-06	2.26E-07	2.22E-07	3.38E-06
2631	490710.04	3858760.04	1.09E-02	1.10E-02	1.12E-02	3.78E-06	1.14E-05	6.60E-06	6.60E-06	6.03E-06	2.75E-06	2.81E-06	0.00E+00	0.00E+00	1.21E-06	2.24E-07	1.43E-06	2.21E-07	2.17E-07	3.31E-06
2632	490760.04	3858760.04	1.06E-02	1.07E-02	1.09E-02	3.68E-06	1.11E-05	6.43E-06	6.43E-06	5.88E-06	2.68E-06	2.73E-06	0.00E+00	0.00E+00	1.18E-06	2.18E-07	1.40E-06	2.15E-07	2.12E-07	3.23E-06
2633	490810.04	3858760.04	1.04E-02	1.05E-02	1.07E-02	3.59E-06	1.08E-05	6.28E-06	6.28E-06	5.74E-06	2.62E-06	2.67E-06	0.00E+00	0.00E+00	1.16E-06	2.13E-07	1.36E-06	2.10E-07	2.06E-07	3.15E-06
2634	490860.04	3858760.04	1.02E-02	1.02E-02	1.04E-02	3.52E-06	1.06E-05	6.14E-06	6.14E-06	5.61E-06	2.56E-06	2.61E-06	0.00E+00	0.00E+00	1.13E-06	2.09E-07	1.33E-06	2.06E-07	2.02E-07	3.08E-06
2635	490360.04	3858810.04	1.32E-02	1.33E-02	1.36E-02	4.56E-06	1.38E-05	7.98E-06	7.98E-06	7.27E-06	3.32E-06	3.41E-06	0.00E+00	0.00E+00	1.47E-06	2.71E-07	1.73E-06	2.66E-07	2.64E-07	4.00E-06
2636	490410.04	3858810.04	1.28E-02	1.29E-02	1.32E-02	4.44E-06	1.34E-05	7.76E-06	7.76E-06	7.08E-06	3.23E-06	3.32E-06	0.00E+00	0.00E+00	1.43E-06	2.63E-07	1.68E-06	2.59E-07	2.57E-07	3.89E-06
2637	490460.04	3858810.04	1.25E-02	1.25E-02	1.29E-02	4.32E-06	1.30E-05	7.54E-06	7.54E-06	6.88E-06	3.14E-06	3.22E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.63E-06	2.52E-07	2.49E-07	3.78E-06
2638	490510.04	3858810.04	1.22E-02	1.23E-02	1.26E-02	4.22E-06	1.27E-05	7.37E-06	7.37E-06	6.72E-06	3.07E-06	3.15E-06	0.00E+00	0.00E+00	1.36E-06	2.50E-07	1.60E-06	2.46E-07	2.44E-07	3.69E-06
2639	490560.04	3858810.04	1.19E-02	1.20E-02	1.23E-02	4.12E-06	1.24E-05	7.19E-06	7.19E-06	6.56E-06	2.99E-06	3.07E-06	0.00E+00	0.00E+00	1.32E-06	2.44E-07	1.56E-06	2.40E-07	2.38E-07	3.61E-06
2640	490610.04	3858810.04	1.15E-02	1.16E-02	1.19E-02	4.00E-06	1.21E-05	6.98E-06	6.98E-06	6.37E-06	2.91E-06	2.98E-06	0.00E+00	0.00E+00	1.28E-06	2.37E-07	1.51E-06	2.33E-07	2.30E-07	3.50E-06
2641	490660.04	3858810.04	1.13E-02	1.13E-02	1.16E-02	3.90E-06	1.18E-05	6.81E-06	6.81E-06	6.21E-06	2.84E-06	2.90E-06	0.00E+00	0.00E+00	1.25E-06	2.31E-07	1.48E-06	2.28E-07	2.25E-07	3.41E-06
2642	490710.04	3858810.04	1.10E-02	1.10E-02	1.13E-02	3.79E-06	1.14E-05	6.63E-06	6.63E-06	6.05E-06	2.76E-06	2.82E-06	0.00E+00	0.00E+00	1.22E-06	2.25E-07	1.44E-06	2.22E-07	2.18E-07	3.32E-06
2643	490760.04	3858810.04	1.06E-02	1.07E-02	1.09E-02	3.67E-06	1.11E-05	6.42E-06	6.42E-06	5.86E-06	2.67E-06	2.73E-06	0.00E+00	0.00E+00	1.18E-06	2.18E-07	1.39E-06	2.15E-07	2.11E-07	3.22E-06
2644	490810.04	3858810.04	1.04E-02	1.05E-02	1.07E-02	3.61E-06	1.09E-05	6.31E-06	6.31E-06	5.76E-06	2.63E-06	2.68E-06	0.00E+00	0.00E+00	1.16E-06	2.14E-07	1.37E-06	2.11E-07	2.07E-07	3.16E-06
2645	490860.04	3858810.04	1.01E-02	1.02E-02	1.04E-02	3.51E-06	1.06E-05	6.14E-06	6.14E-06	5.60E-06	2.56E-06	2.61E-06	0.00E+00	0.00E+00	1.13E-06	2.08E-07	1.33E-06	2.05E-07	2.02E-07	3.08E-06
2646	490360.04	3858860.04	1.33E-02	1.34E-02	1.38E-02	4.61E-06	1.39E-05	8.05E-06	8.05E-06	7.34E-06	3.35E-06	3.45E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.74E-06	2.69E-07	2.67E-07	4.03E-06
2647	490410.04	3858860.04	1.30E-02	1.31E-02	1.35E-02	4.51E-06	1.36E-05	7.89E-06	7.89E-06	7.19E-06	3.28E-06	3.38E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.71E-06	2.64E-07	2.61E-07	3.95E-06
2648	490460.04	3858860.04	1.26E-02	1.27E-02	1.31E-02	4.37E-06	1.32E-05	7.64E-06	7.64E-06	6.97E-06	3.18E-06	3.27E-06	0.00E+00	0.00E+00	1.41E-06	2.59E-07	1.66E-06	2.55E-07	2.53E-07	3.83E-06
2649	490510.04	3858860.04	1.24E-02	1.25E-02	1.28E-02	4.29E-06	1.30E-05	7.50E-06	7.50E-06	6.84E-06	3.12E-06	3.20E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.62E-06	2.50E-07	2.48E-07	3.76E-06
2650	490560.04	3858860.04	1.20E-02	1.21E-02	1.24E-02	4.17E-06	1.26E-05	7.28E-06	7.28E-06	6.64E-06	3.03E-06	3.11E-06	0.00E+00	0.00E+00	1.34E-06	2.47E-07	1.58E-06	2.43E-07	2.41E-07	3.65E-06
2651	490610.04	3858860.04	1.16E-02	1.17E-02	1.20E-02	4.02E-06	1.21E-05	7.03E-06	7.03E-06	6.41E-06	2.92E-06	3.00E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.52E-06	2.35E-07	2.32E-07	3.52E-06
2652	490660.04	3858860.04	1.13E-02	1.14E-02	1.17E-02	3.92E-06	1.18E-05	6.85E-06	6.85E-06	6.25E-06	2.85E-06	2.92E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.48E-06	2.29E-07	2.26E-07	3.43E-06
2653	490710.04	3858860.04	1.11E-02	1.12E-02	1.14E-02	3.83E-06	1.16E-05	6.70E-06	6.70E-06	6.12E-06	2.79E-06	2.86E-06	0.00E+00	0.00E+00	1.23E-06	2.28E-07	1.45E-06	2.24E-07	2.21E-07	3.36E-06
2654	490760.04	3858860.04	1.07E-02	1.08E-02	1.10E-02	3.71E-06	1.12E-05	6.49E-06	6.49E-06	5.92E-06	2.70E-06	2.76E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.41E-06	2.17E-07	2.14E-07	3.25E-06
2655	490810.04	3858860.04	1.04E-02	1.05E-02	1.07E-02	3.60E-06	1.09E-05	6.29E-06	6.29E-06	5.74E-06	2.62E-06	2.68E-06	0.00E+00	0.00E+00	1.16E-06	2.14E-07	1.36E-06	2.10E-07	2.07E-07	3.15E-06
2656	490860.04	3858860.04	1.01E-02	1.02E-02	1.04E-02	3.49E-06	1.05E-05	6.10E-06	6.10E-06	5.57E-06	2.54E-06	2.59E-06	0.00E+00	0.00E+00	1.12E-06	2.07E-07	1.32E-06	2.04E-07	2.01E-07	3.06E-06
2657	490360.04	3858910.04	1.36E-02	1.37E-02	1.41E-02	4.72E-06	1.43E-05	8.25E-06	8.25E-06	7.52E-06	3.43E-06	3.54E-06	0.00E+00	0.00E+00	1.52E-06	2.80E-07	1.79E-06	2.75E-07	2.74E-07	4.13E-06
2658	490410.04	3858910.04	1.33E-02	1.33E-02	1.37E-02	4.59E-06	1.39E-05	8.03E-06	8.03E-06	7.31E-06	3.34E-06	3.44E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.74E-06	2.68E-07	2.66E-07	4.02E-06
2659	490460.04	3858910.04	1.29E-02	1.30E-02	1.33E-02	4.46E-06	1.35E-05	7.80E-06	7.80E-06	7.11E-06	3.24E-06	3.34E-06	0.00E+00	0.00E+00	1.43E-06	2.65E-07	1.69E-06	2.60E-07	2.58E-07	3.91E-06
2660	490510.04	3858910.04	1.25E-02	1.26E-02	1.29E-02	4.33E-06	1.31E-05	7.56E-06	7.56E-06	6.89E-06	3.15E-06	3.23E-06	0.00E+00	0.00E+00	1.39E-06	2.57E-07	1.64E-06	2.53E-07	2.50E-07	3.79E-06
2661	490560.04	3858910.04	1.21E-02	1.22E-02	1.25E-02	4.19E-06	1.26E-05	7.32E-06	7.32E-06	6.67E-06	3.04E-06	3.13E-06	0.00E+00	0.00E+00	1.35E-06	2.48E-07	1.59E-06	2.45E-07	2.42E-07	3.67E-06
2662	490610.04	3858910.04	1.17E-02	1.18E-02	1.21E-02	4.05E-06	1.22E-05	7.08E-06	7.08E-06	6.46E-06	2.95E-06	3.02E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.53E-06	2.37E-07	2.34E-07	3.55E-06
2663	490660.04	3858910.04	1.14E-02	1.15E-02	1.17E-02	3.94E-06	1.19E-05	6.89E-06	6.89E-06	6.28E-06	2.87E-06	2.94E-06	0.00E+00	0.00E+00	1.27E-06	2.34E-07	1.49E-06	2.30E-07	2.28E-07	3.45E-06
2664	490710.04	3858910.04	1.10E-02	1.11E-02	1.14E-02	3.82E-06	1.15E-05	6.68E-06	6.68E-06	6.09E-06	2.78E-06	2.85E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.45E-06	2.23E-07	2.21E-07	3.35E-06
2665	490760.04	3858910.04	1.07E-02	1.07E-02	1.10E-02	3.69E-06	1.11E-05	6.45E-06	6.45E-06	5.88E-06	2.68E-06	2.75E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.40E-06	2.16E-07	2.13E-07	3.23E-06
2666	490810.04	3858910.04	1.04E-02	1.04E-02	1.07E-02	3.59E-06	1.08E-05	6.28E-06	6.28E-06	5.73E-06	2.61E-06	2.67E-06	0.00E+00	0.00E+00	1.15E-06	2.13E-07	1.36E-06	2.10E-07	2.07E-07	3.15E-06
2667	490860.04	3858910.04	1.00E-02	1.01E-02	1.03E-02	3.47E-06	1.05E-05	6.06E-06	6.06E-06	5.53E-06	2.52E-06	2.58E-06	0.00E+00	0.00E+00	1.11E-06	2.06E-07	1.31E-06	2.03E-07	1.99E-07	3.04E-06
2668	490360.04	3858960.04	1.38E-02	1.39E-02	1.43E-02	4.78E-06	1.44E-05	8.35E-06	8.35E-06	7.61E-06	3.47E-06	3.58E-06	0.00E+00	0.00E+00	1.54E-06	2.83E-07	1.81E-06	2.79E-07	2.77E-07	4.18E-06
2669	490410.04	3858960.04	1.34E-02	1.34E-02	1.39E-02	4.63E-06	1.40E-05	8.09E-06	8.09E-06	7.37E-06	3.36E-06	3.47E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.75E-06	2.70E-07	2.69E-07	4.05E-06
2670	490460.04	3858960.04	1.29E-02	1.30E-02	1.34E-02	4.47E-06	1.35E-05	7.82E-06	7.82E-06	7.13E-06	3.25E-06	3.35E-06	0.00E+00	0.00E+00	1.44E-06	2.65E-07	1.69E-06	2.61E-07	2.59E-07	3.92E-06
2671	490510.04	3858960.04	1.25E-02	1.26E-02	1.30E-02	4.34E-06	1.31E-05	7.58E-06	7.58E-06	6.91E-06	3.15E-06	3.25E-06	0.00E+00	0.00E+00	1.40E-06	2.57E-07	1.64E-06	2.53E-07	2.51E-07	3.80E-06
2672	490560.04	3858960.04	1.22E-02	1.22E-02	1.26E-02	4.21E-06	1.27E-05	7.35E-06	7.35E-06	6.70E-06	3.06E-06	3.14E-06	0.00E+00	0.00E+00	1.35E-06	2.50E-07	1.59E-06	2.46E-07	2.44E-07	3.68E-06
2673	490610.04	3858960.04	1.17E-02	1.18E-02	1.21E-02	4.05E-06	1.22E-05	7.08E-06	7.08E-06	6.45E-06	2.94E-06	3.03E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.53E-06	2.36E-07	2.34E-07	3.55E-06
2674	490660.04	3858960.04	1.14E-02	1.15E-02	1.18E-02	3.96E-06	1.20E-05	6.93E-06	6.93E-06	6.32E-06	2.88E-06	2.96E-06	0.00E+00	0.00E+00	1.27E-06	2.35E-07	1.50E-06	2.31E-07	2.29E-07	3.47E-06
2675	490710.04	3858960.04	1.10E-02	1.11E-02	1.14E-02	3.82E-06	1.15E-05	6.67E-06	6.67E-06	6.09E-06	2.78E-06	2.85E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.45E-06	2.23E-07	2.21E-07	3.34E-06
2676	490760.04	3858960.04	1.07E-02	1.07E-02	1.10E-02	3.69E-06	1.12E-05	6.45E-06	6.45E-06	5.89E-06	2.69E-06	2.75E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.40E-06	2.16E-07	2.13E-07	3.23E-06
2677	490810.04	3858960.04	1.03E-02	1.04E-02	1.06E-02	3.57E-06	1.08E-05	6.24E-06	6.24E-06	5.70E-06	2.60E-06	2.66E-06	0.00E+00	0.00E+00	1.15E-06	2.12E-07	1.35E-06	2.09E-07	2.06E-07	3.13E-06
2678	490860.04	3858960.04	9.93E-03	1.00E-02	1.02E-02	3.44E-06	1.04E-05	6.01E-06	6.01E-06	5.48E-06	2.50E-06	2.56E-06	0.00E+00	0.00E+00	1.11E-06	2.04E-07	1.30E-06	2.01E-07	1.98E-07	3.01E-06
2679	490360.04	3859010.04	1.39E-02	1.40E-02	1.45E-02	4.82E-06	1.46E-05	8.43E-06	8.43E-06	7.68E-06	3.50E-06	3.62E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.82E-06	2.81E-07	2.80E-07	4.22E-06
2680	490410.04	3859010.04	1.35E-02	1.35E-02	1.40E-02	4.66E-06	1.41E-05	8.14E-06	8.14E-06	7.41E-06	3.38E-06	3.49E-06	0.00E+00	0.00E+00	1.50E-06	2.76E-07	1.76E-06	2.72E-07	2.70E-07	4.08E-06
2681	490460.04	3859010.04	1.29E-02	1.30E-02	1.34E-02	4.47E-06	1.35E-05	7.82E-06	7.82E-06	7.12E-06	3.25E-06	3.35E-06	0.00E+00	0.00E+00	1.44E-06	2.65E-07	1.69E-06	2.61E-07	2.60E-07	3.92E-06
2682	490510.04	3859010.04	1.24E-02	1.25E-02	1.29E-02	4.30E-06	1.30E-05	7.52E-06	7.52E-06	6.85E-06	3.13E-06	3.22E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.63E-06	2.51E-07	2.49E-07	3.77E-06
2683	490560.04	3859010.04	1.21E-02	1.22E-02	1.25E-02	4.19E-06	1.27E-05	7.33E-06	7.33E-06	6.68E-06	3.05E-06	3.14E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.59E-06	2.45E-07	2.43E-07	3.67E-06
2684	490610.04	3859010.04	1.17E-02	1.17E-02	1.21E-02	4.04E-06	1.22E-05	7.06E-06	7.06E-06	6.43E-06	2.94E-06	3.02E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.53E-06	2.36E-07	2.34E-07	3.54E-06
2685	490660.04	3859010.04	1.14E-02	1.15E-02	1.18E-02	3.95E-06	1.19E-05	6.91E-06	6.91E-06	6.30E-06	2.87E-06	2.95E-06	0.00E+00	0.00E+00	1.27E-06	2.34E-07	1.50E-06	2.31E-07	2.29E-07	3.46E-06
2686	490710.04	3859010.04	1.10E-02	1.10E-02	1.13E-02	3.80E-06	1.15E-05	6.64E-06	6.64E-06	6.06E-06	2.76E-06	2.84E-06	0.00E+00	0.00E+00	1.22E-06	2.25E-07	1.44E-06	2.22E-07	2.20E-07	3.33E-06
2687	490760.04	3859010.04	1.06E-02	1.07E-02	1.09E-02	3.66E-06	1.11E-05	6.41E-06	6.41E-06	5.84E-06	2.67E-06	2.73E-06	0.00E+00	0.00E+00	1.18E-06	2.17E-07	1.39E-06	2.14E-07	2.12E-07	3.21E-06
2688	490810.04	3859010.04	1.02E-02	1.03E-02	1.05E-02	3.53E-06	1.07E-05	6.18E-06	6.18E-06	5.64E-06	2.57E-06	2.63E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.34E-06	2.06E-07	2.04E-07	3.10E-06
2689	490860.04	3859010.04	9.87E-03	9.94E-03	1.02E-02	3.42E-06	1.03E-05	5.97E-06	5.97E-06	5.45E-06	2.49E-06	2.54E-06	0.00E+00	0.00E+00	1.10E-06	2.03E-07	1.30E-06	2.00E-07	1.97E-07	2.99E-06
2690	490360.04	3859060.04	1.40E-02	1.41E-02	1.46E-02	4.85E-06	1.46E-05	8.48E-06	8.48E-06	7.72E-06	3.52E-06	3.64E-06	0.00E+00	0.00E+00	1.56E-06	2.88E-07	1.83E-06	2.83E-07	2.82E-07	4.24E-06
2691	490410.04	3859060.04	1.34E-02	1.34E-02	1.39E-02	4.63E-06	1.40E-05	8.10E-06	8.10E-06	7.37E-06	3.36E-06	3.48E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.75E-06	2.70E-07	2.69E-07	4.06E-06
2692	490460.04	3859060.04	1.29E-02	1.29E-02	1.34E-02	4.46E-06	1.35E-05	7.79E-06	7.79E-06	7.10E-06	3.24E-06	3.34E-06	0.00E+00	0.00E+00	1.43E-06	2.65E-07	1.69E-06	2.60E-07	2.59E-07	3.90E-06
2693	490510.04	3859060.04	1.24E-02	1.25E-02	1.29E-02	4.31E-06	1.30E-05	7.53E-06	7.53E-06	6.86E-06	3.13E-06	3.23E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.63E-06	2.51E-07	2.50E-07	3.77E-06
2694	490560.04	3859060.04	1.20E-02	1.20E-02	1.24E-02	4.14E-06	1.25E-05	7.24E-06	7.24E-06	6.59E-06	3.01E-06	3.10E-06	0.00E+00	0.00E+00	1.33E-06	2.46E-07	1.57E-06	2.42E-07	2.40E-07	3.63E-06
2695	490610.04	3859060.04	1.16E-02	1.17E-02	1.20E-02	4.02E-06	1.21E-05	7.03E-06	7.03E-06	6.41E-06	2.92E-06	3.01E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.52E-06	2.35E-07	2.33E-07	3.52E-06
2696	490660.04	3859060.04	1.13E-02	1.14E-02	1.17E-02	3.91E-06	1.18E-05	6.84E-06	6.84E-06	6.24E-06	2.85E-06	2.93E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.48E-06	2.28E-07	2.27E-07	3.43E-06
2697	490710.04	3859060.04	1.09E-02	1.09E-02	1.12E-02	3.76E-06	1.13E-05	6.57E-06	6.57E-06	5.99E-06	2.73E-06	2.81E-06	0.00E+00	0.00E+00	1.21E-06	2.23E-07	1.42E-06	2.19E-07	2.17E-07	3.29E-06
2698	490760.04	3859060.04	1.05E-02	1.05E-02	1.08E-02	3.62E-06	1.09E-05	6.33E-06	6.33E-06	5.77E-06	2.63E-06	2.70E-06	0.00E+00	0.00E+00	1.16E-06	2.15E-07	1.37E-06	2.11E-07	2.09E-07	3.17E-06
2699	490810.04	3859060.04	1.01E-02	1.01E-02	1.04E-02	3.49E-06	1.05E-05	6.09E-06	6.09E-06	5.56E-06	2.54E-06	2.60E-06	0.00E+00	0.00E+00	1.12E-06	2.07E-07	1.32E-06	2.04E-07	2.01E-07	3.05E-06
2700	490860.04	3859060.04	9.73E-03	9.79E-03	1.00E-02	3.37E-06	1.02E-05	5.89E-06	5.89E-06	5.37E-06	2.45E-06	2.51E-06	0.00E+00	0.00E+00	1.08E-06	2.00E-07	1.28E-06	1.97E-07	1.94E-07	2.95E-06
2701	490360.04	3859110.04	1.41E-02	1.42E-02	1.47E-02	4.90E-06	1.48E-05	8.56E-06	8.56E-06	7.79E-06	3.55E-06	3.68E-06	0.00E+00	0.00E+00	1.57E-06	2.90E-07	1.85E-06	2.85E-07	2.85E-07	4.29E-06
2702	490410.04	3859110.04	1.35E-02	1.36E-02	1.40E-02	4.67E-06	1.41E-05	8.17E-06	8.17E-06	7.43E-06	3.39E-06	3.51E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.77E-06	2.72E-07	2.72E-07	4.09E-06
2703	490460.04	3859110.04	1.30E-02	1.31E-02	1.35E-02	4.51E-06	1.36E-05	7.89E-06	7.89E-06	7.18E-06	3.28E-06	3.39E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.71E-06	2.63E-07	2.62E-07	3.95E-06
2704	490510.04	3859110.04	1.24E-02	1.24E-02	1.28E-02	4.28E-06	1.29E-05	7.47E-06	7.47E-06	6.81E-06	3.11E-06	3.21E-06	0.00E+00	0.00E+00	1.37E-06	2.54E-07	1.62E-06	2.49E-07	2.48E-07	3.74E-06
2705	490560.04	3859110.04	1.19E-02	1.20E-02	1.23E-02	4.12E-06	1.24E-05	7.20E-06	7.20E-06	6.56E-06	2.99E-06	3.09E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.56E-06	2.40E-07	2.39E-07	3.61E-06
2706	490610.04	3859110.04	1.14E-02	1.15E-02	1.18E-02	3.96E-06	1.20E-05	6.93E-06	6.93E-06	6.31E-06	2.88E-06	2.97E-06	0.00E+00	0.00E+00	1.27E-06	2.35E-07	1.50E-06	2.31E-07	2.30E-07	3.47E-06
2707	490660.04	3859110.04	1.10E-02	1.10E-02	1.13E-02	3.80E-06	1.15E-05	6.63E-06	6.63E-06	6.05E-06	2.76E-06	2.84E-06	0.00E+00	0.00E+00	1.22E-06	2.25E-07	1.44E-06	2.22E-07	2.20E-07	3.32E-06
2708	490710.04	3859110.04	1.07E-02	1.07E-02	1.10E-02	3.69E-06	1.11E-05	6.45E-06	6.45E-06	5.88E-06	2.68E-06	2.76E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.40E-06	2.15E-07	2.13E-07	3.23E-06
2709	490760.04	3859110.04	1.03E-02	1.03E-02	1.06E-02	3.56E-06	1.07E-05	6.22E-06	6.22E-06	5.67E-06	2.59E-06	2.66E-06	0.00E+00	0.00E+00	1.14E-06	2.11E-07	1.35E-06	2.08E-07	2.06E-07	3.12E-06
2710	490810.04	3859110.04	9.87E-03	9.93E-03	1.02E-02	3.42E-06	1.03E-05	5.97E-06	5.97E-06	5.45E-06	2.49E-06	2.55E-06	0.00E+00	0.00E+00	1.10E-06	2.03E-07	1.29E-06	2.00E-07	1.97E-07	2.99E-06
2711	490860.04	3859110.04	9.49E-03	9.55E-03	9.78E-03	3.29E-06	9.92E-06	5.74E-06	5.74E-06	5.24E-06	2.39E-06	2.45E-06	0.00E+00	0.00E+00	1.06E-06	1.95E-07	1.24E-06	1.92E-07	1.90E-07	2.88E-06
2712	490360.04	3859160.04	1.43E-02	1.44E-02	1.49E-02	4.96E-06	1.50E-05	8.66E-06	8.66E-06	7.88E-06	3.60E-06	3.73E-06	0.00E+00	0.00E+00	1.59E-06	2.94E-07	1.87E-06	2.89E-07	2.89E-07	4.34E-06
2713	490410.04	3859160.04	1.37E-02	1.37E-02	1.42E-02	4.73E-06	1.43E-05	8.27E-06	8.27E-06	7.53E-06	3.44E-06	3.56E-06	0.00E+00	0.00E+00	1.52E-06	2.81E-07	1.79E-06	2.76E-07	2.75E-07	4.14E-06
2714	490460.04	3859160.04	1.31E-02	1.32E-02	1.36E-02	4.54E-06	1.37E-05	7.93E-06	7.93E-06	7.22E-06	3.29E-06	3.41E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.72E-06	2.64E-07	2.64E-07	3.97E-06
2715	490510.04	3859160.04	1.26E-02	1.26E-02	1.30E-02	4.35E-06	1.31E-05	7.59E-06	7.59E-06	6.92E-06	3.16E-06	3.26E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.64E-06	2.53E-07	2.52E-07	3.80E-06
2716	490560.04	3859160.04	1.19E-02	1.20E-02	1.24E-02	4.13E-06	1.25E-05	7.23E-06	7.23E-06	6.58E-06	3.00E-06	3.10E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.56E-06	2.41E-07	2.40E-07	3.62E-06
2717	490610.04	3859160.04	1.15E-02	1.16E-02	1.19E-02	3.99E-06	1.20E-05	6.97E-06	6.97E-06	6.35E-06	2.90E-06	2.99E-06	0.00E+00	0.00E+00	1.28E-06	2.37E-07	1.51E-06	2.33E-07	2.31E-07	3.49E-06
2718	490660.04	3859160.04	1.08E-02	1.09E-02	1.12E-02	3.74E-06	1.13E-05	6.53E-06	6.53E-06	5.96E-06	2.72E-06	2.80E-06	0.00E+00	0.00E+00	1.20E-06	2.22E-07	1.41E-06	2.18E-07	2.17E-07	3.27E-06
2719	490710.04	3859160.04	1.05E-02	1.05E-02	1.08E-02	3.62E-06	1.09E-05	6.33E-06	6.33E-06	5.77E-06	2.63E-06	2.71E-06	0.00E+00	0.00E+00	1.16E-06	2.15E-07	1.37E-06	2.11E-07	2.10E-07	3.17E-06
2720	490760.04	3859160.04	9.96E-03	1.00E-02	1.03E-02	3.45E-06	1.04E-05	6.02E-06	6.02E-06	5.49E-06	2.51E-06	2.57E-06	0.00E+00	0.00E+00	1.11E-06	2.04E-07	1.31E-06	2.01E-07	1.99E-07	3.02E-06
2721	490810.04	3859160.04	9.65E-03	9.71E-03	9.96E-03	3.34E-06	1.01E-05	5.84E-06	5.84E-06	5.33E-06	2.43E-06	2.49E-06	0.00E+00	0.00E+00	1.07E-06	1.98E-07	1.27E-06	1.95E-07	1.93E-07	2.93E-06
2722	490860.04	3859160.04	9.33E-03	9.39E-03	9.62E-03	3.23E-06	9.75E-06	5.65E-06	5.65E-06	5.15E-06	2.35E-06	2.41E-06	0.00E+00	0.00E+00	1.04E-06	1.92E-07	1.22E-06	1.89E-07	1.86E-07	2.83E-06
2723	490360.04	3859210.04	1.45E-02	1.45E-02	1.51E-02	5.01E-06	1.51E-05	8.76E-06	8.76E-06	7.97E-06	3.64E-06	3.77E-06	0.00E+00	0.00E+00	1.61E-06	2.97E-07	1.89E-06	2.92E-07	2.92E-07	4.39E-06

2724	490410.04	3859210.04	1.40E-02	1.41E-02	1.46E-02	4.85E-06	1.46E-05	8.47E-06	8.47E-06	7.71E-06	3.52E-06	3.65E-06	0.00E+00	0.00E+00	1.56E-06	2.88E-07	1.83E-06	2.83E-07	2.82E-07	4.24E-06
2725	490460.04	3859210.04	1.32E-02	1.32E-02	1.37E-02	4.56E-06	1.38E-05	7.98E-06	7.98E-06	7.26E-06	3.31E-06	3.43E-06	0.00E+00	0.00E+00	1.47E-06	2.71E-07	1.73E-06	2.66E-07	2.66E-07	4.00E-06
2726	490510.04	3859210.04	1.26E-02	1.26E-02	1.31E-02	4.36E-06	1.32E-05	7.62E-06	7.62E-06	6.94E-06	3.17E-06	3.27E-06	0.00E+00	0.00E+00	1.40E-06	2.59E-07	1.65E-06	2.54E-07	2.53E-07	3.82E-06
2727	490560.04	3859210.04	1.22E-02	1.22E-02	1.26E-02	4.21E-06	1.27E-05	7.35E-06	7.35E-06	6.70E-06	3.06E-06	3.16E-06	0.00E+00	0.00E+00	1.35E-06	2.50E-07	1.59E-06	2.45E-07	2.44E-07	3.68E-06
2728	490610.04	3859210.04	1.16E-02	1.17E-02	1.20E-02	4.02E-06	1.21E-05	7.03E-06	7.03E-06	6.40E-06	2.92E-06	3.02E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.52E-06	2.35E-07	2.34E-07	3.52E-06
2729	490660.04	3859210.04	1.09E-02	1.10E-02	1.13E-02	3.78E-06	1.14E-05	6.61E-06	6.61E-06	6.02E-06	2.75E-06	2.83E-06	0.00E+00	0.00E+00	1.22E-06	2.24E-07	1.43E-06	2.21E-07	2.19E-07	3.31E-06
2730	490710.04	3859210.04	1.05E-02	1.06E-02	1.09E-02	3.64E-06	1.10E-05	6.36E-06	6.36E-06	5.80E-06	2.65E-06	2.72E-06	0.00E+00	0.00E+00	1.17E-06	2.16E-07	1.38E-06	2.12E-07	2.11E-07	3.19E-06
2731	490760.04	3859210.04	9.98E-03	1.00E-02	1.03E-02	3.45E-06	1.04E-05	6.04E-06	6.04E-06	5.50E-06	2.51E-06	2.58E-06	0.00E+00	0.00E+00	1.11E-06	2.05E-07	1.31E-06	2.02E-07	2.00E-07	3.02E-06
2732	490810.04	3859210.04	9.81E-03	9.86E-03	1.01E-02	3.39E-06	1.03E-05	5.93E-06	5.93E-06	5.41E-06	2.47E-06	2.54E-06	0.00E+00	0.00E+00	1.09E-06	2.01E-07	1.29E-06	1.98E-07	1.96E-07	2.97E-06
2733	490860.04	3859210.04	9.62E-03	9.68E-03	9.94E-03	3.33E-06	1.01E-05	5.82E-06	5.82E-06	5.31E-06	2.42E-06	2.49E-06	0.00E+00	0.00E+00	1.07E-06	1.98E-07	1.26E-06	1.95E-07	1.93E-07	2.92E-06
2734	490360.04	3859260.04	1.45E-02	1.46E-02	1.51E-02	5.03E-06	1.52E-05	8.79E-06	8.79E-06	8.00E-06	3.65E-06	3.79E-06	0.00E+00	0.00E+00	1.62E-06	2.98E-07	1.90E-06	2.93E-07	2.93E-07	4.40E-06
2735	490410.04	3859260.04	1.40E-02	1.40E-02	1.46E-02	4.84E-06	1.46E-05	8.47E-06	8.47E-06	7.70E-06	3.51E-06	3.65E-06	0.00E+00	0.00E+00	1.56E-06	2.87E-07	1.83E-06	2.82E-07	2.82E-07	4.24E-06
2736	490460.04	3859260.04	1.35E-02	1.36E-02	1.41E-02	4.69E-06	1.42E-05	8.19E-06	8.19E-06	7.46E-06	3.40E-06	3.53E-06	0.00E+00	0.00E+00	1.51E-06	2.78E-07	1.77E-06	2.73E-07	2.73E-07	4.10E-06
2737	490510.04	3859260.04	1.31E-02	1.32E-02	1.36E-02	4.53E-06	1.37E-05	7.93E-06	7.93E-06	7.21E-06	3.29E-06	3.41E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.71E-06	2.64E-07	2.64E-07	3.97E-06
2738	490560.04	3859260.04	1.25E-02	1.26E-02	1.30E-02	4.34E-06	1.31E-05	7.58E-06	7.58E-06	6.90E-06	3.15E-06	3.26E-06	0.00E+00	0.00E+00	1.39E-06	2.57E-07	1.64E-06	2.53E-07	2.52E-07	3.80E-06
2739	490610.04	3859260.04	1.18E-02	1.19E-02	1.23E-02	4.09E-06	1.24E-05	7.15E-06	7.15E-06	6.51E-06	2.97E-06	3.07E-06	0.00E+00	0.00E+00	1.32E-06	2.43E-07	1.55E-06	2.39E-07	2.38E-07	3.58E-06
2740	490660.04	3859260.04	1.16E-02	1.16E-02	1.20E-02	4.00E-06	1.21E-05	7.00E-06	7.00E-06	6.37E-06	2.91E-06	3.00E-06	0.00E+00	0.00E+00	1.29E-06	2.38E-07	1.51E-06	2.34E-07	2.33E-07	3.51E-06
2741	490710.04	3859260.04	1.12E-02	1.12E-02	1.16E-02	3.86E-06	1.17E-05	6.75E-06	6.75E-06	6.15E-06	2.81E-06	2.89E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.46E-06	2.25E-07	2.24E-07	3.38E-06
2742	490760.04	3859260.04	1.05E-02	1.06E-02	1.09E-02	3.65E-06	1.10E-05	6.37E-06	6.37E-06	5.81E-06	2.65E-06	2.73E-06	0.00E+00	0.00E+00	1.17E-06	2.16E-07	1.38E-06	2.13E-07	2.11E-07	3.19E-06
2743	490810.04	3859260.04	1.03E-02	1.03E-02	1.06E-02	3.56E-06	1.07E-05	6.22E-06	6.22E-06	5.67E-06	2.59E-06	2.66E-06	0.00E+00	0.00E+00	1.14E-06	2.11E-07	1.35E-06	2.08E-07	2.06E-07	3.12E-06
2744	490860.04	3859260.04	1.00E-02	1.01E-02	1.04E-02	3.48E-06	1.05E-05	6.08E-06	6.08E-06	5.54E-06	2.53E-06	2.60E-06	0.00E+00	0.00E+00	1.12E-06	2.06E-07	1.32E-06	2.03E-07	2.01E-07	3.04E-06
2745	490360.04	3859310.04	1.48E-02	1.48E-02	1.54E-02	5.12E-06	1.55E-05	8.95E-06	8.95E-06	8.14E-06	3.72E-06	3.86E-06	0.00E+00	0.00E+00	1.65E-06	3.04E-07	1.93E-06	2.98E-07	2.99E-07	4.48E-06
2746	490410.04	3859310.04	1.42E-02	1.43E-02	1.48E-02	4.93E-06	1.49E-05	8.62E-06	8.62E-06	7.84E-06	3.58E-06	3.71E-06	0.00E+00	0.00E+00	1.59E-06	2.93E-07	1.86E-06	2.87E-07	2.88E-07	4.32E-06
2747	490460.04	3859310.04	1.38E-02	1.38E-02	1.43E-02	4.76E-06	1.44E-05	8.32E-06	8.32E-06	7.57E-06	3.46E-06	3.58E-06	0.00E+00	0.00E+00	1.53E-06	2.83E-07	1.80E-06	2.77E-07	2.78E-07	4.17E-06
2748	490510.04	3859310.04	1.34E-02	1.34E-02	1.39E-02	4.62E-06	1.40E-05	8.08E-06	8.08E-06	7.36E-06	3.36E-06	3.48E-06	0.00E+00	0.00E+00	1.49E-06	2.74E-07	1.75E-06	2.70E-07	2.69E-07	4.05E-06
2749	490560.04	3859310.04	1.29E-02	1.30E-02	1.35E-02	4.48E-06	1.35E-05	7.83E-06	7.83E-06	7.13E-06	3.25E-06	3.37E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.69E-06	2.61E-07	2.61E-07	3.92E-06
2750	490610.04	3859310.04	1.26E-02	1.26E-02	1.31E-02	4.36E-06	1.32E-05	7.61E-06	7.61E-06	6.93E-06	3.16E-06	3.27E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.65E-06	2.54E-07	2.54E-07	3.81E-06
2751	490660.04	3859310.04	1.21E-02	1.22E-02	1.26E-02	4.21E-06	1.27E-05	7.35E-06	7.35E-06	6.69E-06	3.05E-06	3.16E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.59E-06	2.45E-07	2.45E-07	3.68E-06
2752	490710.04	3859310.04	1.15E-02	1.15E-02	1.19E-02	3.97E-06	1.20E-05	6.94E-06	6.94E-06	6.32E-06	2.88E-06	2.98E-06	0.00E+00	0.00E+00	1.28E-06	2.35E-07	1.50E-06	2.31E-07	2.31E-07	3.47E-06
2753	490760.04	3859310.04	1.10E-02	1.11E-02	1.14E-02	3.82E-06	1.15E-05	6.68E-06	6.68E-06	6.08E-06	2.77E-06	2.86E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.44E-06	2.23E-07	2.22E-07	3.34E-06
2754	490810.04	3859310.04	1.07E-02	1.08E-02	1.11E-02	3.72E-06	1.12E-05	6.50E-06	6.50E-06	5.92E-06	2.70E-06	2.79E-06	0.00E+00	0.00E+00	1.20E-06	2.21E-07	1.41E-06	2.17E-07	2.16E-07	3.26E-06
2755	490860.04	3859310.04	1.04E-02	1.04E-02	1.07E-02	3.59E-06	1.08E-05	6.28E-06	6.28E-06	5.72E-06	2.61E-06	2.69E-06	0.00E+00	0.00E+00	1.15E-06	2.13E-07	1.36E-06	2.09E-07	2.08E-07	3.14E-06
2756	490360.04	3859360.04	1.51E-02	1.51E-02	1.57E-02	5.21E-06	1.57E-05	9.11E-06	9.11E-06	8.29E-06	3.78E-06	3.93E-06	0.00E+00	0.00E+00	1.68E-06	3.09E-07	1.97E-06	3.04E-07	3.04E-07	4.56E-06
2757	490410.04	3859360.04	1.46E-02	1.47E-02	1.52E-02	5.06E-06	1.53E-05	8.84E-06	8.84E-06	8.04E-06	3.67E-06	3.81E-06	0.00E+00	0.00E+00	1.63E-06	3.00E-07	1.91E-06	2.95E-07	2.95E-07	4.43E-06
2758	490460.04	3859360.04	1.42E-02	1.42E-02	1.48E-02	4.91E-06	1.48E-05	8.59E-06	8.59E-06	7.81E-06	3.56E-06	3.70E-06	0.00E+00	0.00E+00	1.58E-06	2.91E-07	1.86E-06	2.86E-07	2.87E-07	4.30E-06
2759	490510.04	3859360.04	1.38E-02	1.38E-02	1.44E-02	4.77E-06	1.44E-05	8.34E-06	8.34E-06	7.58E-06	3.46E-06	3.59E-06	0.00E+00	0.00E+00	1.53E-06	2.83E-07	1.80E-06	2.78E-07	2.78E-07	4.18E-06
2760	490560.04	3859360.04	1.33E-02	1.33E-02	1.38E-02	4.60E-06	1.39E-05	8.04E-06	8.04E-06	7.31E-06	3.34E-06	3.46E-06	0.00E+00	0.00E+00	1.48E-06	2.73E-07	1.74E-06	2.68E-07	2.68E-07	4.02E-06
2761	490610.04	3859360.04	1.28E-02	1.29E-02	1.33E-02	4.44E-06	1.34E-05	7.75E-06	7.75E-06	7.05E-06	3.22E-06	3.34E-06	0.00E+00	0.00E+00	1.43E-06	2.63E-07	1.68E-06	2.58E-07	2.58E-07	3.88E-06
2762	490660.04	3859360.04	1.24E-02	1.25E-02	1.29E-02	4.30E-06	1.30E-05	7.51E-06	7.51E-06	6.84E-06	3.12E-06	3.23E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.62E-06	2.50E-07	2.50E-07	3.76E-06
2763	490710.04	3859360.04	1.19E-02	1.20E-02	1.24E-02	4.12E-06	1.24E-05	7.20E-06	7.20E-06	6.56E-06	2.99E-06	3.10E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.56E-06	2.40E-07	2.40E-07	3.61E-06
2764	490760.04	3859360.04	1.14E-02	1.14E-02	1.18E-02	3.94E-06	1.19E-05	6.89E-06	6.89E-06	6.27E-06	2.86E-06	2.96E-06	0.00E+00	0.00E+00	1.27E-06	2.34E-07	1.49E-06	2.30E-07	2.29E-07	3.45E-06
2765	490810.04	3859360.04	1.12E-02	1.12E-02	1.16E-02	3.87E-06	1.17E-05	6.76E-06	6.76E-06	6.15E-06	2.81E-06	2.90E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.46E-06	2.26E-07	2.25E-07	3.39E-06
2766	490860.04	3859360.04	1.08E-02	1.09E-02	1.12E-02	3.75E-06	1.13E-05	6.55E-06	6.55E-06	5.96E-06	2.72E-06	2.81E-06	0.00E+00	0.00E+00	1.20E-06	2.22E-07	1.42E-06	2.18E-07	2.18E-07	3.28E-06
2767	490360.04	3859410.04	1.53E-02	1.53E-02	1.60E-02	5.30E-06	1.60E-05	9.26E-06	9.26E-06	8.42E-06	3.84E-06	4.00E-06	0.00E+00	0.00E+00	1.70E-06	3.14E-07	2.00E-06	3.08E-07	3.09E-07	4.63E-06
2768	490410.04	3859410.04	1.49E-02	1.49E-02	1.55E-02	5.15E-06	1.55E-05	9.00E-06	9.00E-06	8.19E-06	3.73E-06	3.88E-06	0.00E+00	0.00E+00	1.66E-06	3.06E-07	1.94E-06	3.00E-07	3.01E-07	4.51E-06
2769	490460.04	3859410.04	1.45E-02	1.45E-02	1.51E-02	5.01E-06	1.51E-05	8.75E-06	8.75E-06	7.96E-06	3.63E-06	3.78E-06	0.00E+00	0.00E+00	1.61E-06	2.97E-07	1.89E-06	2.92E-07	2.92E-07	4.38E-06
2770	490510.04	3859410.04	1.40E-02	1.41E-02	1.46E-02	4.86E-06	1.47E-05	8.50E-06	8.50E-06	7.73E-06	3.53E-06	3.67E-06	0.00E+00	0.00E+00	1.56E-06	2.89E-07	1.84E-06	2.83E-07	2.84E-07	4.26E-06
2771	490560.04	3859410.04	1.36E-02	1.37E-02	1.42E-02	4.72E-06	1.43E-05	8.26E-06	8.26E-06	7.51E-06	3.43E-06	3.56E-06	0.00E+00	0.00E+00	1.52E-06	2.80E-07	1.78E-06	2.75E-07	2.76E-07	4.13E-06
2772	490610.04	3859410.04	1.32E-02	1.33E-02	1.38E-02	4.59E-06	1.38E-05	8.01E-06	8.01E-06	7.29E-06	3.33E-06	3.45E-06	0.00E+00	0.00E+00	1.47E-06	2.72E-07	1.73E-06	2.67E-07	2.67E-07	4.01E-06
2773	490660.04	3859410.04	1.27E-02	1.28E-02	1.32E-02	4.40E-06	1.33E-05	7.70E-06	7.70E-06	7.00E-06	3.20E-06	3.31E-06	0.00E+00	0.00E+00	1.42E-06	2.61E-07	1.66E-06	2.57E-07	2.57E-07	3.86E-06
2774	490710.04	3859410.04	1.23E-02	1.23E-02	1.28E-02	4.25E-06	1.28E-05	7.43E-06	7.43E-06	6.76E-06	3.08E-06	3.20E-06	0.00E+00	0.00E+00	1.37E-06	2.52E-07	1.61E-06	2.48E-07	2.47E-07	3.72E-06
2775	490760.04	3859410.04	1.17E-02	1.18E-02	1.22E-02	4.06E-06	1.23E-05	7.10E-06	7.10E-06	6.46E-06	2.95E-06	3.05E-06	0.00E+00	0.00E+00	1.31E-06	2.41E-07	1.54E-06	2.37E-07	2.36E-07	3.56E-06
2776	490810.04	3859410.04	1.15E-02	1.15E-02	1.19E-02	3.97E-06	1.20E-05	6.95E-06	6.95E-06	6.32E-06	2.88E-06	2.99E-06	0.00E+00	0.00E+00	1.28E-06	2.36E-07	1.50E-06	2.32E-07	2.31E-07	3.48E-06
2777	490860.04	3859410.04	1.13E-02	1.13E-02	1.17E-02	3.91E-06	1.18E-05	6.84E-06	6.84E-06	6.22E-06	2.84E-06	2.94E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.48E-06	2.28E-07	2.27E-07	3.42E-06
2778	490360.04	3859460.04	1.54E-02	1.55E-02	1.61E-02	5.35E-06	1.61E-05	9.35E-06	9.35E-06	8.50E-06	3.88E-06	4.04E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.02E-06	3.11E-07	3.13E-07	4.68E-06
2779	490410.04	3859460.04	1.50E-02	1.51E-02	1.57E-02	5.20E-06	1.57E-05	9.08E-06	9.08E-06	8.26E-06	3.77E-06	3.92E-06	0.00E+00	0.00E+00	1.67E-06	3.08E-07	1.96E-06	3.03E-07	3.04E-07	4.55E-06
2780	490460.04	3859460.04	1.46E-02	1.47E-02	1.53E-02	5.06E-06	1.53E-05	8.85E-06	8.85E-06	8.04E-06	3.67E-06	3.82E-06	0.00E+00	0.00E+00	1.63E-06	3.00E-07	1.91E-06	2.95E-07	2.96E-07	4.43E-06
2781	490510.04	3859460.04	1.42E-02	1.43E-02	1.48E-02	4.93E-06	1.49E-05	8.61E-06	8.61E-06	7.83E-06	3.57E-06	3.71E-06	0.00E+00	0.00E+00	1.58E-06	2.92E-07	1.86E-06	2.87E-07	2.88E-07	4.31E-06
2782	490560.04	3859460.04	1.39E-02	1.39E-02	1.44E-02	4.80E-06	1.45E-05	8.38E-06	8.38E-06	7.62E-06	3.48E-06	3.62E-06	0.00E+00	0.00E+00	1.54E-06	2.85E-07	1.81E-06	2.79E-07	2.80E-07	4.20E-06
2783	490610.04	3859460.04	1.34E-02	1.35E-02	1.40E-02	4.65E-06	1.40E-05	8.13E-06	8.13E-06	7.40E-06	3.38E-06	3.51E-06	0.00E+00	0.00E+00	1.50E-06	2.76E-07	1.76E-06	2.71E-07	2.72E-07	4.07E-06
2784	490660.04	3859460.04	1.30E-02	1.31E-02	1.36E-02	4.50E-06	1.36E-05	7.87E-06	7.87E-06	7.16E-06	3.27E-06	3.39E-06	0.00E+00	0.00E+00	1.45E-06	2.67E-07	1.70E-06	2.62E-07	2.63E-07	3.94E-06
2785	490710.04	3859460.04	1.27E-02	1.27E-02	1.32E-02	4.38E-06	1.32E-05	7.66E-06	7.66E-06	6.97E-06	3.18E-06	3.30E-06	0.00E+00	0.00E+00	1.41E-06	2.60E-07	1.66E-06	2.55E-07	2.55E-07	3.83E-06
2786	490760.04	3859460.04	1.22E-02	1.23E-02	1.27E-02	4.24E-06	1.28E-05	7.41E-06	7.41E-06	6.74E-06	3.08E-06	3.19E-06	0.00E+00	0.00E+00	1.36E-06	2.51E-07	1.60E-06	2.47E-07	2.47E-07	3.71E-06
2787	490810.04	3859460.04	1.19E-02	1.19E-02	1.23E-02	4.11E-06	1.24E-05	7.18E-06	7.18E-06	6.53E-06	2.98E-06	3.09E-06	0.00E+00	0.00E+00	1.32E-06	2.44E-07	1.55E-06	2.39E-07	2.39E-07	3.59E-06
2788	490860.04	3859460.04	1.16E-02	1.17E-02	1.21E-02	4.02E-06	1.22E-05	7.03E-06	7.03E-06	6.40E-06	2.92E-06	3.03E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.52E-06	2.35E-07	2.34E-07	3.52E-06
2789	490360.04	3859510.04	1.55E-02	1.56E-02	1.62E-02	5.38E-06	1.62E-05	9.40E-06	9.40E-06	8.54E-06	3.90E-06	4.06E-06	0.00E+00	0.00E+00	1.73E-06	3.19E-07	2.03E-06	3.13E-07	3.14E-07	4.70E-06
2790	490410.04	3859510.04	1.52E-02	1.52E-02	1.58E-02	5.24E-06	1.58E-05	9.17E-06	9.17E-06	8.33E-06	3.80E-06	3.96E-06	0.00E+00	0.00E+00	1.69E-06	3.11E-07	1.98E-06	3.05E-07	3.07E-07	4.59E-06
2791	490460.04	3859510.04	1.48E-02	1.48E-02	1.54E-02	5.11E-06	1.54E-05	8.93E-06	8.93E-06	8.12E-06	3.70E-06	3.86E-06	0.00E+00	0.00E+00	1.64E-06	3.03E-07	1.93E-06	2.97E-07	2.99E-07	4.47E-06
2792	490510.04	3859510.04	1.44E-02	1.44E-02	1.50E-02	4.98E-06	1.50E-05	8.70E-06	8.70E-06	7.91E-06	3.61E-06	3.76E-06	0.00E+00	0.00E+00	1.60E-06	2.95E-07	1.88E-06	2.90E-07	2.91E-07	4.36E-06
2793	490560.04	3859510.04	1.40E-02	1.41E-02	1.46E-02	4.85E-06	1.46E-05	8.48E-06	8.48E-06	7.71E-06	3.52E-06	3.66E-06	0.00E+00	0.00E+00	1.56E-06	2.88E-07	1.83E-06	2.82E-07	2.83E-07	4.24E-06
2794	490610.04	3859510.04	1.36E-02	1.37E-02	1.42E-02	4.72E-06	1.42E-05	8.24E-06	8.24E-06	7.50E-06	3.42E-06	3.56E-06	0.00E+00	0.00E+00	1.52E-06	2.80E-07	1.78E-06	2.75E-07	2.75E-07	4.13E-06
2795	490660.04	3859510.04	1.32E-02	1.33E-02	1.38E-02	4.58E-06	1.38E-05	8.01E-06	8.01E-06	7.29E-06	3.32E-06	3.45E-06	0.00E+00	0.00E+00	1.47E-06	2.72E-07	1.73E-06	2.67E-07	2.67E-07	4.01E-06
2796	490710.04	3859510.04	1.29E-02	1.29E-02	1.34E-02	4.45E-06	1.34E-05	7.78E-06	7.78E-06	7.07E-06	3.23E-06	3.35E-06	0.00E+00	0.00E+00	1.43E-06	2.64E-07	1.68E-06	2.59E-07	2.60E-07	3.89E-06
2797	490760.04	3859510.04	1.25E-02	1.25E-02	1.30E-02	4.32E-06	1.31E-05	7.56E-06	7.56E-06	6.87E-06	3.14E-06	3.26E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.63E-06	2.52E-07	2.52E-07	3.78E-06
2798	490810.04	3859510.04	1.22E-02	1.22E-02	1.27E-02	4.22E-06	1.27E-05	7.37E-06	7.37E-06	6.70E-06	3.06E-06	3.17E-06	0.00E+00	0.00E+00	1.36E-06	2.50E-07	1.59E-06	2.46E-07	2.46E-07	3.69E-06
2799	490860.04	3859510.04	1.18E-02	1.19E-02	1.23E-02	4.10E-06	1.24E-05	7.17E-06	7.17E-06	6.52E-06	2.98E-06	3.09E-06	0.00E+00	0.00E+00	1.32E-06	2.43E-07	1.55E-06	2.39E-07	2.39E-07	3.59E-06
2800	490360.04	3859560.04	1.56E-02	1.56E-02	1.63E-02	5.39E-06	1.63E-05	9.43E-06	9.43E-06	8.57E-06	3.91E-06	4.07E-06	0.00E+00	0.00E+00	1.73E-06	3.20E-07	2.04E-06	3.14E-07	3.15E-07	4.72E-06
2801	490410.04	3859560.04	1.52E-02	1.53E-02	1.59E-02	5.27E-06	1.59E-05	9.21E-06	9.21E-06	8.37E-06	3.82E-06	3.98E-06	0.00E+00	0.00E+00	1.69E-06	3.13E-07	1.99E-06	3.07E-07	3.08E-07	4.61E-06
2802	490460.04	3859560.04	1.49E-02	1.49E-02	1.55E-02	5.14E-06	1.55E-05	8.99E-06	8.99E-06	8.17E-06	3.73E-06	3.88E-06	0.00E+00	0.00E+00	1.65E-06	3.05E-07	1.94E-06	2.99E-07	3.01E-07	4.50E-06
2803	490510.04	3859560.04	1.45E-02	1.45E-02	1.51E-02	5.01E-06	1.51E-05	8.76E-06	8.76E-06	7.96E-06	3.63E-06	3.78E-06	0.00E+00	0.00E+00	1.61E-06	2.97E-07	1.89E-06	2.92E-07	2.93E-07	4.38E-06
2804	490560.04	3859560.04	1.41E-02	1.42E-02	1.48E-02	4.89E-06	1.48E-05	8.56E-06	8.56E-06	7.78E-06	3.55E-06	3.69E-06	0.00E+00	0.00E+00	1.57E-06	2.90E-07	1.85E-06	2.85E-07	2.86E-07	4.28E-06
2805	490610.04	3859560.04	1.38E-02	1.38E-02	1.44E-02	4.77E-06	1.44E-05	8.33E-06	8.33E-06	7.58E-06	3.46E-06	3.60E-06	0.00E+00	0.00E+00	1.53E-06	2.83E-07	1.80E-06	2.78E-07	2.78E-07	4.17E-06
2806	490660.04	3859560.04	1.34E-02	1.35E-02	1.40E-02	4.64E-06	1.40E-05	8.12E-06	8.12E-06	7.38E-06	3.37E-06	3.50E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.75E-06	2.70E-07	2.71E-07	4.06E-06
2807	490710.04	3859560.04	1.30E-02	1.31E-02	1.36E-02	4.52E-06	1.36E-05	7.89E-06	7.89E-06	7.18E-06	3.28E-06	3.40E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.71E-06	2.63E-07	2.64E-07	3.95E-06
2808	490760.04	3859560.04	1.26E-02	1.27E-02	1.32E-02	4.38E-06	1.32E-05	7.65E-06	7.65E-06	6.96E-06	3.17E-06	3.30E-06	0.00E+00	0.00E+00	1.41E-06	2.60E-07	1.65E-06	2.55E-07	2.55E-07	3.83E-06
2809	490810.04	3859560.04	1.23E-02	1.23E-02	1.28E-02	4.26E-06	1.29E-05	7.44E-06	7.44E-06	6.77E-06	3.09E-06	3.21E-06	0.00E+00	0.00E+00	1.37E-06	2.53E-07	1.61E-06	2.48E-07	2.48E-07	3.73E-06
2810	490860.04	3859560.04	1.19E-02	1.20E-02	1.24E-02	4.14E-06	1.25E-05	7.23E-06	7.23E-06	6.58E-06	3.00E-06	3.11E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.56E-06	2.41E-07	2.41E-07	3.62E-06
2811	490187.25	3859422.08	1.69E-02	1.69E-02	1.76E-02	5.84E-06	1.76E-05	1.02E-05	1.02E-05	9.28E-06	4.23E-06	4.41E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.21E-06	3.40E-07	3.42E-07	5.11E-06
2812	490237.25	3859422.08	1.64E-02	1.65E-02	1.71E-02	5.68E-06	1.72E-05	9.93E-06	9.93E-06	9.03E-06	4.12E-06	4.29E-06	0.00E+00	0.00E+00	1.83E-06	3.37E-07	2.15E-06	3.31E-07	3.32E-07	4.97E-06
2813	490287.25	3859422.08	1.60E-02	1.60E-02	1.67E-02	5.53E-06	1.67E-05	9.67E-06	9.67E-06	8.79E-06	4.01E-06	4.18E-06	0.00E+00	0.00E+00	1.78E-06	3.28E-07	2.09E-06	3.22E-07	3.23E-07	4.84E-06
2814	490337.25	3859422.08	1.55E-02	1.56E-02	1.62E-02	5.37E-06	1.62E-05	9.39E-06	9.39E-06	8.54E-06	3.90E-06	4.05E-06	0.00E+00	0.00E+00	1.73E-06	3.19E-07	2.03E-06	3.13E-07	3.14E-07	4.70E-06
2815	490187.25	3859472.08	1.69E-02	1.69E-02	1.77E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.29E-06	4.24E-06	4.42E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.21E-06	3.41E-07	3.42E-07	5.12E-06
2816	490237.25	3859472.08	1.65E-02	1.65E-02	1.72E-02	5.70E-06	1.72E-05	9.97E-06	9.97E-06	9.06E-06	4.13E-06	4.31E-06	0.00E+00	0.00E+00	1.83E-06	3.38E-07	2.15E-06	3.32E-07	3.34E-07	4.99E-06
2817	490287.25	3859472.08	1.60E-02	1.61E-02	1.67E-02	5.55E-06	1.68E-05	9.70E-06	9.70E-06	8.82E-06	4.02E-06	4.19E-06	0.00E+00	0.00E+00	1.78E-06	3.29E-07	2.10E-06	3.23E-07	3.25E-07	4.86E-06
2818	490337.25	3859472.08	1.56E-02	1.57E-02	1.63E-02	5.42E-06	1.64E-05	9.47E-06	9.47E-06	8.61E-06	3.93E-06	4.09E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.04E-06	3.15E-07	3.17E-07	4.74E-06
2819	490297.07	3859500.42	1.60E-02	1.60E-02	1.67E-02	5.54E-06	1.67E-05	9.68E-06	9.68E-06	8.80E-06	4.01E-06	4.18E-06	0.00E+00	0.00E+00	1.78E-06	3.28E-07	2.09E-06	3.22E-07	3.24E-07	4.84E-06
2820	490327.07	3859500.42	1.58E-02	1.58E-02	1.65E-02	5.46E-06	1.65E-05	9.55E-06	9.55E-06	8.68E-06	3.96E-06	4.13E-06	0.00E+00	0.00E+00	1.76E-06	3.24E-07	2.06E-06	3.18E-07	3.20E-07	4.78E-06
2821	490297.07	3859530.42	1.60E-02	1.61E-02	1.68E-02	5.55E-06	1.68E-05	9.71E-06	9.71E-06	8.82E-06	4.03E-06	4.20E-06	0.00E+00	0.00E+00	1.79E-06	3.30E-07	2.10E-06	3.23E-07	3.25E-07	4.86E-06
2822	490327.07	3859530.42	1.58E-02	1.59E-02	1.65E-02	5.47E-06	1.65E-05	9.57E-06	9.57E-06	8.70E-06	3.97E-06	4.13E-06	0.00E+00	0.00E+00	1.76E-06	3.25E-07	2.07E-06	3.19E-07	3.20E-07	4.79E-06
2823	490319.73	3859055.34	1.45E-02	1.46E-02	1.51E-02	5.02E-06	1.52E-05	8.78E-06	8.78E-06	7.99E-06	3.65E-06	3.78E-06	0.00E+00	0.00E+00	1.62E-06	2.98E-07	1.90E-06	2.93E-07	2.92E-07	4.40E-06
2824	490319.73	3859105.34	1.46E-02	1.47E-02	1.52E-02	5.06E-06	1.53E-05	8.85E-06	8.85E-06	8.05E-06	3.68E-06	3.81E-06	0.00E+00	0.00E+00	1.63E-06	3.00E-07	1.91E-06	2.95E-07	2.95E-07	4.43E-06
2825	490069.73	3859155.34	1.72E-02	1.73E-02	1.80E-02	5.96E-06	1.80E-05	1.04E-05	1.04E-05	9.48E-06	4.33E-06	4.50E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.25E-06	3.47E-07	3.48E-07	5.22E-06
2826	490119.73	3859155.34	1.68E-02	1.68E-02	1.75E-02	5.80E-06	1.75E-05	1.01E-05	1.01E-05	9.22E-06	4.21E-06	4.38E-06	0.00E+00	0.00E+00	1.87E-06	3.44E-07	2.19E-06	3.38E-07	3.39E-07	5.08E-06
2827	490269.73	3859155.34	1.54E-02	1.55E-02	1.61E-02	5.34E-06	1.61E-05	9.33E-06	9.33E-06	8.48E-06	3.87E-06	4.02E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.02E-06	3.11E-07	3.11E-07	4.67E-06
2828	490319.73	3859155.34	1.48E-02	1.49E-02	1.54E-02	5.13E-06	1.55E-05	8.97E-06	8.97E-06	8.16E-06	3.72E-06	3.86E-06	0.00E+00	0.00E+00	1.65E-06	3.04E-07	1.94E-06	2.99E-07	2.99E-07	4.49E-06

2829	490069.73	3859205.34	1.75E-02	1.76E-02	1.83E-02	6.07E-06	1.83E-05	1.06E-05	1.06E-05	9.65E-06	4.40E-06	4.58E-06	0.00E+00	0.00E+00	1.95E-06	3.60E-07	2.29E-06	3.54E-07	3.55E-07	5.32E-06
2830	490119.73	3859205.34	1.71E-02	1.72E-02	1.79E-02	5.93E-06	1.79E-05	1.04E-05	1.04E-05	9.43E-06	4.30E-06	4.48E-06	0.00E+00	0.00E+00	1.91E-06	3.52E-07	2.24E-06	3.45E-07	3.47E-07	5.19E-06
2831	490169.73	3859205.34	1.67E-02	1.67E-02	1.74E-02	5.76E-06	1.74E-05	1.01E-05	1.01E-05	9.16E-06	4.18E-06	4.35E-06	0.00E+00	0.00E+00	1.85E-06	3.42E-07	2.18E-06	3.36E-07	3.37E-07	5.05E-06
2832	490219.73	3859205.34	1.61E-02	1.61E-02	1.68E-02	5.57E-06	1.68E-05	9.73E-06	9.73E-06	8.85E-06	4.04E-06	4.20E-06	0.00E+00	0.00E+00	1.79E-06	3.30E-07	2.10E-06	3.24E-07	3.25E-07	4.87E-06
2833	490269.73	3859205.34	1.54E-02	1.55E-02	1.61E-02	5.34E-06	1.61E-05	9.33E-06	9.33E-06	8.49E-06	3.87E-06	4.02E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.02E-06	3.11E-07	3.11E-07	4.67E-06
2834	490319.73	3859205.34	1.49E-02	1.50E-02	1.55E-02	5.17E-06	1.56E-05	9.03E-06	9.03E-06	8.21E-06	3.75E-06	3.89E-06	0.00E+00	0.00E+00	1.66E-06	3.07E-07	1.95E-06	3.01E-07	3.01E-07	4.52E-06
2835	490069.73	3859255.34	1.77E-02	1.77E-02	1.85E-02	6.12E-06	1.85E-05	1.07E-05	1.07E-05	9.73E-06	4.44E-06	4.62E-06	0.00E+00	0.00E+00	1.97E-06	3.63E-07	2.31E-06	3.56E-07	3.58E-07	5.36E-06
2836	490119.73	3859255.34	1.73E-02	1.73E-02	1.80E-02	5.97E-06	1.80E-05	1.04E-05	1.04E-05	9.49E-06	4.33E-06	4.51E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.26E-06	3.48E-07	3.49E-07	5.23E-06
2837	490169.73	3859255.34	1.68E-02	1.68E-02	1.75E-02	5.81E-06	1.75E-05	1.02E-05	1.02E-05	9.23E-06	4.21E-06	4.38E-06	0.00E+00	0.00E+00	1.87E-06	3.45E-07	2.19E-06	3.38E-07	3.39E-07	5.08E-06
2838	490219.73	3859255.34	1.62E-02	1.63E-02	1.69E-02	5.61E-06	1.69E-05	9.81E-06	9.81E-06	8.92E-06	4.07E-06	4.23E-06	0.00E+00	0.00E+00	1.81E-06	3.33E-07	2.12E-06	3.27E-07	3.28E-07	4.91E-06
2839	490269.73	3859255.34	1.56E-02	1.57E-02	1.63E-02	5.41E-06	1.63E-05	9.45E-06	9.45E-06	8.60E-06	3.92E-06	4.08E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.04E-06	3.15E-07	3.16E-07	4.73E-06
2840	490319.73	3859255.34	1.51E-02	1.52E-02	1.58E-02	5.23E-06	1.58E-05	9.15E-06	9.15E-06	8.32E-06	3.80E-06	3.94E-06	0.00E+00	0.00E+00	1.68E-06	3.10E-07	1.98E-06	3.05E-07	3.05E-07	4.58E-06
2841	490069.73	3859305.34	1.78E-02	1.78E-02	1.86E-02	6.15E-06	1.86E-05	1.08E-05	1.08E-05	9.78E-06	4.46E-06	4.65E-06	0.00E+00	0.00E+00	1.98E-06	3.65E-07	2.32E-06	3.58E-07	3.60E-07	5.38E-06
2842	490119.73	3859305.34	1.74E-02	1.74E-02	1.81E-02	6.01E-06	1.81E-05	1.05E-05	1.05E-05	9.55E-06	4.36E-06	4.54E-06	0.00E+00	0.00E+00	1.93E-06	3.56E-07	2.27E-06	3.50E-07	3.51E-07	5.26E-06
2843	490169.73	3859305.34	1.69E-02	1.69E-02	1.76E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.29E-06	4.24E-06	4.41E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.21E-06	3.40E-07	3.42E-07	5.12E-06
2844	490219.73	3859305.34	1.64E-02	1.64E-02	1.71E-02	5.66E-06	1.71E-05	9.90E-06	9.90E-06	9.00E-06	4.11E-06	4.27E-06	0.00E+00	0.00E+00	1.82E-06	3.36E-07	2.14E-06	3.30E-07	3.31E-07	4.96E-06
2845	490269.73	3859305.34	1.58E-02	1.59E-02	1.65E-02	5.48E-06	1.66E-05	9.58E-06	9.58E-06	8.72E-06	3.98E-06	4.14E-06	0.00E+00	0.00E+00	1.76E-06	3.25E-07	2.07E-06	3.19E-07	3.20E-07	4.80E-06
2846	490319.73	3859305.34	1.53E-02	1.53E-02	1.59E-02	5.28E-06	1.60E-05	9.23E-06	9.23E-06	8.40E-06	3.83E-06	3.98E-06	0.00E+00	0.00E+00	1.70E-06	3.13E-07	2.00E-06	3.08E-07	3.08E-07	4.62E-06
2847	490069.73	3859355.34	1.79E-02	1.79E-02	1.87E-02	6.19E-06	1.87E-05	1.08E-05	1.08E-05	9.83E-06	4.49E-06	4.68E-06	0.00E+00	0.00E+00	1.99E-06	3.67E-07	2.34E-06	3.60E-07	3.62E-07	5.42E-06
2848	490119.73	3859355.34	1.75E-02	1.75E-02	1.82E-02	6.04E-06	1.82E-05	1.06E-05	1.06E-05	9.60E-06	4.38E-06	4.56E-06	0.00E+00	0.00E+00	1.94E-06	3.59E-07	2.28E-06	3.52E-07	3.53E-07	5.29E-06
2849	490169.73	3859355.34	1.70E-02	1.70E-02	1.77E-02	5.88E-06	1.78E-05	1.03E-05	1.03E-05	9.35E-06	4.26E-06	4.44E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.22E-06	3.42E-07	3.44E-07	5.15E-06
2850	490219.73	3859355.34	1.65E-02	1.65E-02	1.72E-02	5.71E-06	1.72E-05	9.97E-06	9.97E-06	9.07E-06	4.14E-06	4.31E-06	0.00E+00	0.00E+00	1.83E-06	3.38E-07	2.15E-06	3.32E-07	3.33E-07	4.99E-06
2851	490269.73	3859355.34	1.60E-02	1.61E-02	1.67E-02	5.54E-06	1.67E-05	9.68E-06	9.68E-06	8.80E-06	4.02E-06	4.18E-06	0.00E+00	0.00E+00	1.78E-06	3.29E-07	2.09E-06	3.23E-07	3.24E-07	4.85E-06
2852	490319.73	3859355.34	1.55E-02	1.55E-02	1.62E-02	5.36E-06	1.62E-05	9.37E-06	9.37E-06	8.52E-06	3.89E-06	4.04E-06	0.00E+00	0.00E+00	1.72E-06	3.18E-07	2.02E-06	3.12E-07	3.13E-07	4.69E-06
2853	490069.73	3859405.34	1.79E-02	1.80E-02	1.88E-02	6.21E-06	1.88E-05	1.09E-05	1.09E-05	9.87E-06	4.50E-06	4.69E-06	0.00E+00	0.00E+00	2.00E-06	3.68E-07	2.34E-06	3.61E-07	3.63E-07	5.43E-06
2854	490119.73	3859405.34	1.75E-02	1.75E-02	1.83E-02	6.06E-06	1.83E-05	1.06E-05	1.06E-05	9.62E-06	4.39E-06	4.58E-06	0.00E+00	0.00E+00	1.95E-06	3.59E-07	2.29E-06	3.53E-07	3.54E-07	5.30E-06
2855	490169.73	3859405.34	1.70E-02	1.71E-02	1.78E-02	5.89E-06	1.78E-05	1.03E-05	1.03E-05	9.36E-06	4.27E-06	4.45E-06	0.00E+00	0.00E+00	1.90E-06	3.50E-07	2.22E-06	3.43E-07	3.45E-07	5.16E-06
2856	490219.73	3859405.34	1.66E-02	1.66E-02	1.73E-02	5.73E-06	1.73E-05	1.00E-05	1.00E-05	9.11E-06	4.16E-06	4.33E-06	0.00E+00	0.00E+00	1.84E-06	3.40E-07	2.17E-06	3.34E-07	3.35E-07	5.02E-06
2857	490269.73	3859405.34	1.61E-02	1.61E-02	1.68E-02	5.57E-06	1.68E-05	9.73E-06	9.73E-06	8.85E-06	4.04E-06	4.20E-06	0.00E+00	0.00E+00	1.79E-06	3.30E-07	2.10E-06	3.24E-07	3.26E-07	4.87E-06
2858	490319.73	3859405.34	1.56E-02	1.57E-02	1.63E-02	5.40E-06	1.63E-05	9.45E-06	9.45E-06	8.59E-06	3.92E-06	4.08E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.04E-06	3.15E-07	3.16E-07	4.73E-06
2859	490161.89	3859541.83	1.71E-02	1.71E-02	1.79E-02	5.92E-06	1.79E-05	1.03E-05	1.03E-05	9.40E-06	4.29E-06	4.47E-06	0.00E+00	0.00E+00	1.90E-06	3.51E-07	2.23E-06	3.45E-07	3.47E-07	5.18E-06
2860	490171.89	3859541.83	1.70E-02	1.71E-02	1.78E-02	5.89E-06	1.78E-05	1.03E-05	1.03E-05	9.36E-06	4.27E-06	4.45E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.22E-06	3.43E-07	3.45E-07	5.15E-06
2861	490161.89	3859551.83	1.71E-02	1.71E-02	1.79E-02	5.92E-06	1.79E-05	1.03E-05	1.03E-05	9.40E-06	4.29E-06	4.47E-06	0.00E+00	0.00E+00	1.90E-06	3.51E-07	2.23E-06	3.44E-07	3.46E-07	5.18E-06
2862	490171.89	3859551.83	1.70E-02	1.71E-02	1.78E-02	5.89E-06	1.78E-05	1.03E-05	1.03E-05	9.35E-06	4.27E-06	4.45E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.22E-06	3.43E-07	3.45E-07	5.15E-06
2863	489799.72	3859348.21	2.08E-02	2.09E-02	2.18E-02	7.20E-06	2.17E-05	1.26E-05	1.26E-05	1.14E-05	5.22E-06	5.45E-06	0.00E+00	0.00E+00	2.32E-06	4.27E-07	2.72E-06	4.19E-07	4.22E-07	6.30E-06
2864	489819.72	3859348.21	2.06E-02	2.06E-02	2.15E-02	7.12E-06	2.15E-05	1.24E-05	1.24E-05	1.13E-05	5.16E-06	5.38E-06	0.00E+00	0.00E+00	2.29E-06	4.22E-07	2.69E-06	4.14E-07	4.17E-07	6.23E-06
2865	489799.72	3859368.21	2.08E-02	2.08E-02	2.18E-02	7.20E-06	2.17E-05	1.26E-05	1.26E-05	1.14E-05	5.22E-06	5.45E-06	0.00E+00	0.00E+00	2.32E-06	4.27E-07	2.72E-06	4.19E-07	4.22E-07	6.30E-06
2866	489819.72	3859368.21	2.05E-02	2.06E-02	2.15E-02	7.11E-06	2.15E-05	1.24E-05	1.24E-05	1.13E-05	5.15E-06	5.38E-06	0.00E+00	0.00E+00	2.29E-06	4.22E-07	2.68E-06	4.14E-07	4.16E-07	6.22E-06
2867	489775.41	3859329.72	2.11E-02	2.12E-02	2.21E-02	7.32E-06	2.21E-05	1.28E-05	1.28E-05	1.16E-05	5.31E-06	5.54E-06	0.00E+00	0.00E+00	2.35E-06	4.34E-07	2.76E-06	4.26E-07	4.29E-07	6.41E-06
2868	489795.41	3859329.72	2.09E-02	2.09E-02	2.19E-02	7.23E-06	2.18E-05	1.26E-05	1.26E-05	1.15E-05	5.24E-06	5.47E-06	0.00E+00	0.00E+00	2.32E-06	4.29E-07	2.73E-06	4.21E-07	4.23E-07	6.33E-06
2869	489775.41	3859349.72	2.11E-02	2.12E-02	2.21E-02	7.31E-06	2.21E-05	1.28E-05	1.28E-05	1.16E-05	5.30E-06	5.53E-06	0.00E+00	0.00E+00	2.35E-06	4.34E-07	2.76E-06	4.26E-07	4.28E-07	6.40E-06
2870	489795.41	3859349.72	2.09E-02	2.09E-02	2.18E-02	7.22E-06	2.18E-05	1.26E-05	1.26E-05	1.15E-05	5.23E-06	5.46E-06	0.00E+00	0.00E+00	2.32E-06	4.28E-07	2.72E-06	4.20E-07	4.23E-07	6.32E-06
2871	489595.05	3859219.43	2.37E-02	2.38E-02	2.48E-02	8.21E-06	2.48E-05	1.43E-05	1.43E-05	1.30E-05	5.95E-06	6.21E-06	0.00E+00	0.00E+00	2.64E-06	4.87E-07	3.10E-06	4.77E-07	4.81E-07	7.18E-06
2872	489615.05	3859219.43	2.33E-02	2.34E-02	2.44E-02	8.08E-06	2.44E-05	1.41E-05	1.41E-05	1.28E-05	5.85E-06	6.11E-06	0.00E+00	0.00E+00	2.60E-06	4.79E-07	3.05E-06	4.70E-07	4.73E-07	7.07E-06
2873	489595.05	3859239.43	2.38E-02	2.39E-02	2.49E-02	8.24E-06	2.49E-05	1.44E-05	1.44E-05	1.31E-05	5.97E-06	6.24E-06	0.00E+00	0.00E+00	2.65E-06	4.89E-07	3.11E-06	4.79E-07	4.83E-07	7.21E-06
2874	489615.05	3859239.43	2.34E-02	2.35E-02	2.45E-02	8.11E-06	2.45E-05	1.42E-05	1.42E-05	1.29E-05	5.87E-06	6.13E-06	0.00E+00	0.00E+00	2.61E-06	4.81E-07	3.06E-06	4.72E-07	4.75E-07	7.09E-06
2875	489372.4	3859092.58	2.70E-02	2.71E-02	2.83E-02	9.35E-06	2.82E-05	1.63E-05	1.63E-05	1.48E-05	6.77E-06	7.08E-06	0.00E+00	0.00E+00	3.01E-06	5.55E-07	3.53E-06	5.44E-07	5.48E-07	8.18E-06
2876	489422.4	3859092.58	2.59E-02	2.59E-02	2.71E-02	8.96E-06	2.70E-05	1.57E-05	1.57E-05	1.42E-05	6.49E-06	6.78E-06	0.00E+00	0.00E+00	2.88E-06	5.31E-07	3.38E-06	5.21E-07	5.25E-07	7.84E-06
2877	489372.4	3859142.58	2.77E-02	2.78E-02	2.90E-02	9.60E-06	2.90E-05	1.68E-05	1.68E-05	1.52E-05	6.95E-06	7.27E-06	0.00E+00	0.00E+00	3.09E-06	5.69E-07	3.62E-06	5.58E-07	5.63E-07	8.40E-06
2878	489422.4	3859142.58	2.66E-02	2.66E-02	2.78E-02	9.20E-06	2.78E-05	1.61E-05	1.61E-05	1.46E-05	6.66E-06	6.96E-06	0.00E+00	0.00E+00	2.96E-06	5.46E-07	3.47E-06	5.35E-07	5.39E-07	8.05E-06
2879	488870.84	3858666.64	2.03E-02	2.04E-02	2.12E-02	7.04E-06	2.13E-05	1.23E-05	1.23E-05	1.12E-05	5.11E-06	5.30E-06	0.00E+00	0.00E+00	2.26E-06	4.18E-07	2.66E-06	4.10E-07	4.10E-07	6.16E-06
2880	488900.84	3858666.64	2.01E-02	2.02E-02	2.09E-02	6.97E-06	2.10E-05	1.22E-05	1.22E-05	1.11E-05	5.06E-06	5.24E-06	0.00E+00	0.00E+00	2.24E-06	4.13E-07	2.63E-06	4.06E-07	4.06E-07	6.10E-06
2881	488870.84	3858696.64	2.15E-02	2.15E-02	2.24E-02	7.43E-06	2.24E-05	1.30E-05	1.30E-05	1.18E-05	5.39E-06	5.60E-06	0.00E+00	0.00E+00	2.39E-06	4.41E-07	2.81E-06	4.33E-07	4.33E-07	6.50E-06
2882	488900.84	3858696.64	2.12E-02	2.13E-02	2.21E-02	7.34E-06	2.22E-05	1.28E-05	1.28E-05	1.17E-05	5.33E-06	5.53E-06	0.00E+00	0.00E+00	2.36E-06	4.36E-07	2.77E-06	4.28E-07	4.28E-07	6.43E-06
2883	488889.67	3858683.97	2.08E-02	2.09E-02	2.17E-02	7.20E-06	2.17E-05	1.26E-05	1.26E-05	1.15E-05	5.23E-06	5.42E-06	0.00E+00	0.00E+00	2.32E-06	4.27E-07	2.72E-06	4.20E-07	4.20E-07	6.30E-06
2884	488919.67	3858683.97	2.06E-02	2.07E-02	2.14E-02	7.13E-06	2.15E-05	1.25E-05	1.25E-05	1.13E-05	5.17E-06	5.37E-06	0.00E+00	0.00E+00	2.29E-06	4.23E-07	2.69E-06	4.15E-07	4.16E-07	6.24E-06
2885	488889.67	3858713.97	2.20E-02	2.21E-02	2.29E-02	7.62E-06	2.30E-05	1.33E-05	1.33E-05	1.21E-05	5.53E-06	5.74E-06	0.00E+00	0.00E+00	2.45E-06	4.52E-07	2.88E-06	4.44E-07	4.45E-07	6.67E-06
2886	488919.67	3858713.97	2.17E-02	2.18E-02	2.26E-02	7.52E-06	2.27E-05	1.31E-05	1.31E-05	1.20E-05	5.46E-06	5.67E-06	0.00E+00	0.00E+00	2.42E-06	4.46E-07	2.84E-06	4.38E-07	4.39E-07	6.58E-06
2887	488906.61	3858703.33	2.14E-02	2.15E-02	2.23E-02	7.42E-06	2.24E-05	1.30E-05	1.30E-05	1.18E-05	5.38E-06	5.59E-06	0.00E+00	0.00E+00	2.38E-06	4.40E-07	2.80E-06	4.32E-07	4.33E-07	6.49E-06
2888	488936.61	3858703.33	2.11E-02	2.12E-02	2.20E-02	7.32E-06	2.21E-05	1.28E-05	1.28E-05	1.16E-05	5.31E-06	5.51E-06	0.00E+00	0.00E+00	2.35E-06	4.34E-07	2.77E-06	4.26E-07	4.27E-07	6.41E-06
2889	488906.61	3858733.33	2.26E-02	2.27E-02	2.36E-02	7.83E-06	2.37E-05	1.37E-05	1.37E-05	1.25E-05	5.68E-06	5.91E-06	0.00E+00	0.00E+00	2.52E-06	4.65E-07	2.96E-06	4.56E-07	4.57E-07	6.86E-06
2890	488936.61	3858733.33	2.23E-02	2.24E-02	2.33E-02	7.73E-06	2.33E-05	1.35E-05	1.35E-05	1.23E-05	5.61E-06	5.83E-06	0.00E+00	0.00E+00	2.49E-06	4.59E-07	2.92E-06	4.50E-07	4.51E-07	6.77E-06
2891	488637.63	3858467.85	1.74E-02	1.75E-02	1.80E-02	6.04E-06	1.82E-05	1.06E-05	1.06E-05	9.61E-06	4.39E-06	4.52E-06	0.00E+00	0.00E+00	1.94E-06	3.58E-07	2.28E-06	3.52E-07	3.50E-07	5.29E-06
2892	488662.63	3858467.85	1.73E-02	1.74E-02	1.79E-02	5.99E-06	1.81E-05	1.05E-05	1.05E-05	9.54E-06	4.36E-06	4.48E-06	0.00E+00	0.00E+00	1.93E-06	3.56E-07	2.27E-06	3.50E-07	3.47E-07	5.25E-06
2893	488637.63	3858492.85	1.78E-02	1.78E-02	1.84E-02	6.15E-06	1.86E-05	1.07E-05	1.07E-05	9.79E-06	4.47E-06	4.60E-06	0.00E+00	0.00E+00	1.98E-06	3.65E-07	2.33E-06	3.59E-07	3.56E-07	5.38E-06
2894	488662.63	3858492.85	1.76E-02	1.77E-02	1.82E-02	6.10E-06	1.84E-05	1.07E-05	1.07E-05	9.71E-06	4.43E-06	4.57E-06	0.00E+00	0.00E+00	1.96E-06	3.62E-07	2.31E-06	3.56E-07	3.54E-07	5.34E-06
2895	488687.63	3858492.85	1.75E-02	1.76E-02	1.81E-02	6.05E-06	1.83E-05	1.06E-05	1.06E-05	9.63E-06	4.39E-06	4.53E-06	0.00E+00	0.00E+00	1.94E-06	3.59E-07	2.29E-06	3.53E-07	3.51E-07	5.29E-06
2896	488637.63	3858517.85	1.81E-02	1.82E-02	1.88E-02	6.28E-06	1.90E-05	1.10E-05	1.10E-05	1.00E-05	4.56E-06	4.71E-06	0.00E+00	0.00E+00	2.02E-06	3.73E-07	2.38E-06	3.66E-07	3.64E-07	5.50E-06
2897	488662.63	3858517.85	1.80E-02	1.81E-02	1.86E-02	6.23E-06	1.88E-05	1.09E-05	1.09E-05	9.91E-06	4.52E-06	4.67E-06	0.00E+00	0.00E+00	2.00E-06	3.69E-07	2.36E-06	3.63E-07	3.61E-07	5.45E-06
2898	488687.63	3858517.85	1.78E-02	1.79E-02	1.85E-02	6.18E-06	1.87E-05	1.08E-05	1.08E-05	9.84E-06	4.49E-06	4.63E-06	0.00E+00	0.00E+00	1.99E-06	3.67E-07	2.34E-06	3.60E-07	3.58E-07	5.41E-06
2899	488194.42	3857168.98	1.11E-02	1.17E-02	9.77E-03	3.86E-06	1.17E-05	6.75E-06	6.75E-06	6.42E-06	2.93E-06	2.45E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.53E-06	2.35E-07	1.89E-07	3.42E-06
2900	488244.42	3857168.98	1.10E-02	1.16E-02	9.71E-03	3.82E-06	1.15E-05	6.67E-06	6.67E-06	6.34E-06	2.89E-06	2.43E-06	0.00E+00	0.00E+00	1.23E-06	2.26E-07	1.51E-06	2.32E-07	1.88E-07	3.38E-06
2901	488294.42	3857168.98	1.09E-02	1.14E-02	9.62E-03	3.76E-06	1.14E-05	6.58E-06	6.58E-06	6.25E-06	2.85E-06	2.41E-06	0.00E+00	0.00E+00	1.21E-06	2.23E-07	1.48E-06	2.29E-07	1.86E-07	3.33E-06
2902	488244.42	3857218.98	1.09E-02	1.14E-02	9.73E-03	3.78E-06	1.14E-05	6.61E-06	6.61E-06	6.27E-06	2.86E-06	2.44E-06	0.00E+00	0.00E+00	1.22E-06	2.25E-07	1.49E-06	2.30E-07	1.89E-07	3.35E-06
2903	488294.42	3857218.98	1.08E-02	1.13E-02	9.66E-03	3.74E-06	1.13E-05	6.54E-06	6.54E-06	6.20E-06	2.83E-06	2.42E-06	0.00E+00	0.00E+00	1.20E-06	2.22E-07	1.47E-06	2.27E-07	1.87E-07	3.31E-06
2904	488294.42	3857268.98	1.08E-02	1.12E-02	9.73E-03	3.73E-06	1.13E-05	6.52E-06	6.52E-06	6.16E-06	2.81E-06	2.44E-06	0.00E+00	0.00E+00	1.20E-06	2.21E-07	1.46E-06	2.26E-07	1.89E-07	3.30E-06
2905	488139.13	3857111.68	1.15E-02	1.21E-02	9.87E-03	3.97E-06	1.20E-05	6.94E-06	6.94E-06	6.63E-06	3.02E-06	2.47E-06	0.00E+00	0.00E+00	1.28E-06	2.35E-07	1.58E-06	2.43E-07	1.91E-07	3.52E-06
2906	488189.13	3857111.68	1.13E-02	1.19E-02	9.81E-03	3.92E-06	1.18E-05	6.85E-06	6.85E-06	6.53E-06	2.98E-06	2.45E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.55E-06	2.39E-07	1.90E-07	3.47E-06
2907	488189.13	3857161.68	1.12E-02	1.17E-02	9.78E-03	3.87E-06	1.17E-05	6.77E-06	6.77E-06	6.44E-06	2.94E-06	2.45E-06	0.00E+00	0.00E+00	1.24E-06	2.30E-07	1.53E-06	2.36E-07	1.90E-07	3.43E-06
2908	487951.04	3856961.26	1.28E-02	1.36E-02	1.04E-02	4.42E-06	1.33E-05	7.72E-06	7.72E-06	7.46E-06	3.41E-06	2.62E-06	0.00E+00	0.00E+00	1.42E-06	2.62E-07	1.77E-06	2.74E-07	2.02E-07	3.93E-06
2909	488001.04	3856961.26	1.25E-02	1.33E-02	1.03E-02	4.31E-06	1.30E-05	7.54E-06	7.54E-06	7.27E-06	3.32E-06	2.57E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.73E-06	2.67E-07	1.99E-07	3.84E-06
2910	488051.04	3856961.26	1.21E-02	1.29E-02	1.00E-02	4.20E-06	1.27E-05	7.34E-06	7.34E-06	7.08E-06	3.23E-06	2.52E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.68E-06	2.59E-07	1.95E-07	3.74E-06
2911	488101.04	3856961.26	1.19E-02	1.27E-02	9.95E-03	4.13E-06	1.25E-05	7.21E-06	7.21E-06	6.94E-06	3.17E-06	2.49E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.65E-06	2.54E-07	1.93E-07	3.67E-06
2912	487951.04	3857011.26	1.27E-02	1.35E-02	1.05E-02	4.40E-06	1.33E-05	7.69E-06	7.69E-06	7.42E-06	3.38E-06	2.63E-06	0.00E+00	0.00E+00	1.41E-06	2.61E-07	1.76E-06	2.72E-07	2.04E-07	3.91E-06
2913	488001.04	3857011.26	1.24E-02	1.31E-02	1.03E-02	4.28E-06	1.29E-05	7.48E-06	7.48E-06	7.21E-06	3.29E-06	2.57E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.71E-06	2.64E-07	1.99E-07	3.81E-06
2914	488051.04	3857011.26	1.21E-02	1.28E-02	1.01E-02	4.18E-06	1.26E-05	7.30E-06	7.30E-06	7.02E-06	3.20E-06	2.52E-06	0.00E+00	0.00E+00	1.34E-06	2.48E-07	1.67E-06	2.57E-07	1.95E-07	3.71E-06
2915	488101.04	3857011.26	1.19E-02	1.26E-02	9.98E-03	4.10E-06	1.24E-05	7.17E-06	7.17E-06	6.89E-06	3.15E-06	2.50E-06	0.00E+00	0.00E+00	1.32E-06	2.44E-07	1.64E-06	2.53E-07	1.93E-07	3.65E-06
2916	488001.04	3857061.26	1.23E-02	1.30E-02	1.03E-02	4.24E-06	1.28E-05	7.42E-06	7.42E-06	7.13E-06	3.25E-06	2.58E-06	0.00E+00	0.00E+00	1.36E-06	2.52E-07	1.69E-06	2.61E-07	2.00E-07	3.77E-06
2917	488051.04	3857061.26	1.20E-02	1.27E-02	1.01E-02	4.15E-06	1.25E-05	7.26E-06	7.26E-06	6.97E-06	3.18E-06	2.54E-06	0.00E+00	0.00E+00	1.34E-06	2.46E-07	1.66E-06	2.55E-07	1.96E-07	3.69E-06
2918	488101.04	3857061.26	1.18E-02	1.24E-02	1.00E-02	4.07E-06	1.23E-05	7.12E-06	7.12E-06	6.83E-06	3.11E-06	2.50E-06	0.00E+00	0.00E+00	1.31E-06	2.42E-07	1.62E-06	2.50E-07	1.94E-07	3.62E-06
2919	487638.98	3856673.79	1.39E-02	1.50E-02	1.07E-02	4.81E-06	1.45E-05	8.42E-06	8.42E-06	8.24E-06	3.76E-06	2.68E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.96E-06	3.02E-07	2.07E-07	4.30E-06
2920	487688.98	3856673.79	1.36E-02	1.47E-02	1.05E-02	4.70E-06	1.42E-05	8.22E-06	8.22E-06	8.04E-06	3.67E-06	2.63E-06	0.00E+00	0.00E+00	1.51E-06	2.79E-07	1.91E-06	2.95E-07	2.04E-07	4.20E-06
2921	487638.98	3856723.79	1.43E-02	1.55E-02	1.10E-02	4.96E-06	1.50E-05	8.66E-06	8.66E-06	8.48E-06	3.87E-06	2.75E-06	0.00E+00	0.00E+00	1.59E-06	2.94E-07	2.02E-06	3.11E-07	2.13E-07	4.43E-06
2922	487688.98	3856723.79	1.39E-02	1.50E-02	1.08E-02	4.83E-06	1.46E-05	8.44E-06	8.44E-06	8.25E-06	3.77E-06	2.70E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	1.96E-06	3.02E-07	2.09E-07	4.31E-06
2923	486324.61	3855740.57	1.12E-02	1.23E-02	7.90E-03	3.89E-06	1.17E-05	6.80E-06	6.80E-06	6.77E-06	3.09E-06	1.98E-06	0.00E+00	0.00E+00	1.25E-06	2.31E-07	1.61E-06	2.48E-07	1.53E-07	3.49E-06
2924	486374.61	3855740.57	1.06E-02	1.16E-02	7.49E-03	3.66E-06	1.10E-05	6.39E-06	6.39E-06	6.36E-06	2.90E-06	1.88E-06	0.00E+00	0.00E+00	1.18E-06	2.17E-07	1.51E-06	2.33E-07	1.45E-07	3.28E-06
2925	486424.61	3855740.57	1.02E-02	1.12E-02	7.27E-03	3.53E-06	1.07E-05	6.17E-06	6.17E-06	6.13E-06	2.79E-06	1.82E-06	0.00E+00	0.00E+00	1.13E-06	2.09E-07	1.46E-06	2.24E-07	1.41E-07	3.16E-06
2926	486324.61	3855790.57	1.19E-02	1.31E-02	8.35E-03	4.12E-06	1.25E-05	7.21E-06	7.21E-06	7.18E-06	3.28E-06	2.09E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.71E-06	2.63E-07	1.62E-07	3.70E-06
2927	486374.61	3855790.57	1.12E-02	1.23E-02	7.94E-03	3.89E-06	1.17E-05	6.80E-06	6.80E-06	6.77E-06	3.09E-06	1.99E-06	0.00E+00	0.00E+00	1.25E-06	2.31E-07	1.61E-06	2.48E-07	1.54E-07	3.49E-06
2928	486424.61	3855790.57	1.09E-02	1.20E-02	7.77E-03	3.78E-06	1.14E-05	6.61E-06	6.61E-06	6.57E-06	3.00E-06	1.94E-06	0.00E+00	0.00E+00	1.22E-06	2.24E-07	1.56E-06	2.41E-07	1.50E-07	3.39E-06
2929	486324.61	3855840.57	1.26E-02	1.39E-02	8.80E-03	4.37E-06	1.32E-05	7.63E-06	7.63E-06	7.61E-06	3.47E-06	2.20E-06	0.00E+00	0.00E+00	1.40E-06	2.59E-07	1.81E-06	2.79E-07	1.71E-07	3.92E-06
2930	486374.61	3855840.57	1.22E-02	1.34E-02	8.56E-03	4.22E-06	1.27E-05	7.37E-06	7.37E-06	7.35E-06	3.35E-06	2.14E-06	0.00E+00	0.00E+00	1.36E-06	2.50E-07	1.75E-06	2.69E-07	1.66E-07	3.79E-06
2931	486424.61	3855840.57	1.17E-02	1.29E-02	8.28E-03	4.05E-06	1.22E-05	7.09E-06	7.09E-06	7.05E-06	3.22E-06	2.07E-06	0.00E+00	0.00E+00	1.30E-06	2.41E-07	1.68E-06	2.58E-07	1.61E-07	3.64E-06
2932	486324.61	3855890.57	1.37E-02	1.51E-02	9.50E-03	4.74E-06	1.43E-05	8.29E-06	8.29E-06	8.27E-06	3.78E-06	2.38E-06	0.00E+00	0.00E+00	1.52E-06	2.81E-07	1.97E-06	3.03E-07	1.84E-07	4.26E-06
2933	486374.61	3855890.57	1.31E-02	1.45E-02	9.19E-03	4.55E-06	1.37E-05	7.96E-06	7.96E-06	7.93E-06	3.62E-06	2.30E-06	0.00E+00	0.00E+00	1.46E-06	2.70E-07	1.88E-06	2.91E-07	1.78E-07	4.09E-06

2934	486424.61	3855890.57	1.26E-02	1.38E-02	8.85E-03	4.35E-06	1.31E-05	7.61E-06	7.61E-06	7.57E-06	3.46E-06	2.22E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.80E-06	2.78E-07	1.72E-07	3.91E-06
2935	488735.69	3858285.64	1.61E-02	1.62E-02	1.65E-02	5.56E-06	1.68E-05	9.72E-06	9.72E-06	8.87E-06	4.05E-06	4.12E-06	0.00E+00	0.00E+00	1.79E-06	3.30E-07	2.11E-06	3.25E-07	3.19E-07	4.87E-06
2936	488765.69	3858285.64	1.59E-02	1.60E-02	1.63E-02	5.51E-06	1.66E-05	9.63E-06	9.63E-06	8.78E-06	4.01E-06	4.08E-06	0.00E+00	0.00E+00	1.77E-06	3.27E-07	2.09E-06	3.22E-07	3.16E-07	4.82E-06
2937	488735.69	3858315.64	1.61E-02	1.62E-02	1.65E-02	5.56E-06	1.68E-05	9.72E-06	9.72E-06	8.86E-06	4.04E-06	4.13E-06	0.00E+00	0.00E+00	1.79E-06	3.30E-07	2.11E-06	3.25E-07	3.20E-07	4.87E-06
2938	488765.69	3858315.64	1.59E-02	1.60E-02	1.63E-02	5.51E-06	1.66E-05	9.63E-06	9.63E-06	8.78E-06	4.01E-06	4.09E-06	0.00E+00	0.00E+00	1.77E-06	3.27E-07	2.09E-06	3.22E-07	3.17E-07	4.82E-06
2939	478676.63	3849871.93	3.16E-04	3.22E-04	3.09E-04	1.09E-07	3.30E-07	1.91E-07	1.91E-07	1.77E-07	8.07E-08	7.73E-08	0.00E+00	0.00E+00	3.52E-08	6.49E-09	4.20E-08	6.48E-09	5.98E-09	9.61E-08
2940	479326.63	3849871.93	2.86E-04	2.96E-04	2.67E-04	9.91E-08	2.99E-07	1.73E-07	1.73E-07	1.62E-07	7.41E-08	6.68E-08	0.00E+00	0.00E+00	3.19E-08	5.88E-09	3.86E-08	5.95E-09	5.17E-09	8.74E-08
2941	479376.63	3849871.93	2.84E-04	2.94E-04	2.64E-04	9.83E-08	2.97E-07	1.72E-07	1.72E-07	1.61E-07	7.35E-08	6.60E-08	0.00E+00	0.00E+00	3.16E-08	5.83E-09	3.83E-08	5.91E-09	5.11E-09	8.68E-08
2942	479426.63	3849871.93	2.83E-04	2.93E-04	2.62E-04	9.80E-08	2.96E-07	1.71E-07	1.71E-07	1.61E-07	7.34E-08	6.56E-08	0.00E+00	0.00E+00	3.15E-08	5.82E-09	3.82E-08	5.89E-09	5.08E-09	8.65E-08
2943	478726.63	3849921.93	3.21E-04	3.28E-04	3.14E-04	1.11E-07	3.35E-07	1.94E-07	1.94E-07	1.80E-07	8.20E-08	7.85E-08	0.00E+00	0.00E+00	3.57E-08	6.59E-09	4.27E-08	6.59E-09	6.08E-09	9.77E-08
2944	478776.63	3849921.93	3.20E-04	3.27E-04	3.12E-04	1.11E-07	3.35E-07	1.94E-07	1.94E-07	1.79E-07	8.18E-08	7.82E-08	0.00E+00	0.00E+00	3.56E-08	6.58E-09	4.26E-08	6.57E-09	6.05E-09	9.75E-08
2945	478826.63	3849921.93	3.19E-04	3.26E-04	3.10E-04	1.10E-07	3.33E-07	1.93E-07	1.93E-07	1.79E-07	8.15E-08	7.76E-08	0.00E+00	0.00E+00	3.55E-08	6.54E-09	4.24E-08	6.54E-09	6.01E-09	9.70E-08
2946	478976.63	3849921.93	3.14E-04	3.21E-04	3.03E-04	1.09E-07	3.28E-07	1.90E-07	1.90E-07	1.76E-07	8.05E-08	7.58E-08	0.00E+00	0.00E+00	3.49E-08	6.45E-09	4.19E-08	6.46E-09	5.87E-09	9.56E-08
2947	479026.63	3849921.93	3.15E-04	3.23E-04	3.04E-04	1.09E-07	3.30E-07	1.91E-07	1.91E-07	1.77E-07	8.09E-08	7.60E-08	0.00E+00	0.00E+00	3.51E-08	6.48E-09	4.21E-08	6.49E-09	5.88E-09	9.61E-08
2948	479076.63	3849921.93	3.14E-04	3.22E-04	3.01E-04	1.09E-07	3.28E-07	1.90E-07	1.90E-07	1.77E-07	8.07E-08	7.55E-08	0.00E+00	0.00E+00	3.50E-08	6.45E-09	4.20E-08	6.48E-09	5.84E-09	9.58E-08
2949	479126.63	3849921.93	3.12E-04	3.21E-04	2.98E-04	1.08E-07	3.26E-07	1.89E-07	1.89E-07	1.76E-07	8.02E-08	7.47E-08	0.00E+00	0.00E+00	3.47E-08	6.41E-09	4.18E-08	6.44E-09	5.78E-09	9.51E-08
2950	479176.63	3849921.93	3.12E-04	3.20E-04	2.97E-04	1.08E-07	3.26E-07	1.89E-07	1.89E-07	1.76E-07	8.02E-08	7.43E-08	0.00E+00	0.00E+00	3.47E-08	6.40E-09	4.17E-08	6.44E-09	5.75E-09	9.50E-08
2951	479226.63	3849921.93	3.04E-04	3.13E-04	2.88E-04	1.05E-07	3.18E-07	1.84E-07	1.84E-07	1.72E-07	7.84E-08	7.21E-08	0.00E+00	0.00E+00	3.39E-08	6.25E-09	4.08E-08	6.29E-09	5.58E-09	9.28E-08
2952	479276.63	3849921.93	2.94E-04	3.03E-04	2.76E-04	1.02E-07	3.07E-07	1.78E-07	1.78E-07	1.66E-07	7.58E-08	6.91E-08	0.00E+00	0.00E+00	3.27E-08	6.03E-09	3.94E-08	6.08E-09	5.35E-09	8.96E-08
2953	479326.63	3849921.93	3.02E-04	3.12E-04	2.84E-04	1.05E-07	3.16E-07	1.83E-07	1.83E-07	1.71E-07	7.80E-08	7.10E-08	0.00E+00	0.00E+00	3.36E-08	6.20E-09	4.06E-08	6.26E-09	5.50E-09	9.22E-08
2954	479376.63	3849921.93	2.91E-04	3.01E-04	2.71E-04	1.01E-07	3.04E-07	1.76E-07	1.76E-07	1.65E-07	7.53E-08	6.79E-08	0.00E+00	0.00E+00	3.24E-08	5.98E-09	3.92E-08	6.04E-09	5.26E-09	8.89E-08
2955	479426.63	3849921.93	2.95E-04	3.05E-04	2.75E-04	1.02E-07	3.09E-07	1.79E-07	1.79E-07	1.68E-07	7.64E-08	6.88E-08	0.00E+00	0.00E+00	3.29E-08	6.07E-09	3.98E-08	6.14E-09	5.33E-09	9.02E-08
2956	478726.63	3849971.93	3.27E-04	3.33E-04	3.20E-04	1.13E-07	3.42E-07	1.98E-07	1.98E-07	1.83E-07	8.35E-08	8.01E-08	0.00E+00	0.00E+00	3.64E-08	6.71E-09	4.35E-08	6.70E-09	6.20E-09	9.94E-08
2957	478776.63	3849971.93	3.26E-04	3.32E-04	3.18E-04	1.13E-07	3.40E-07	1.97E-07	1.97E-07	1.82E-07	8.32E-08	7.97E-08	0.00E+00	0.00E+00	3.62E-08	6.69E-09	4.33E-08	6.68E-09	6.17E-09	9.91E-08
2958	478826.63	3849971.93	3.24E-04	3.31E-04	3.16E-04	1.12E-07	3.39E-07	1.96E-07	1.96E-07	1.82E-07	8.28E-08	7.92E-08	0.00E+00	0.00E+00	3.61E-08	6.66E-09	4.31E-08	6.65E-09	6.13E-09	9.87E-08
2959	478976.63	3849971.93	3.24E-04	3.31E-04	3.14E-04	1.12E-07	3.38E-07	1.96E-07	1.96E-07	1.82E-07	8.29E-08	7.85E-08	0.00E+00	0.00E+00	3.60E-08	6.65E-09	4.32E-08	6.66E-09	6.08E-09	9.86E-08
2960	479026.63	3849971.93	3.22E-04	3.30E-04	3.11E-04	1.11E-07	3.36E-07	1.95E-07	1.95E-07	1.81E-07	8.25E-08	7.78E-08	0.00E+00	0.00E+00	3.58E-08	6.61E-09	4.30E-08	6.63E-09	6.03E-09	9.81E-08
2961	479076.63	3849971.93	3.20E-04	3.28E-04	3.08E-04	1.11E-07	3.34E-07	1.94E-07	1.94E-07	1.80E-07	8.21E-08	7.71E-08	0.00E+00	0.00E+00	3.56E-08	6.57E-09	4.27E-08	6.59E-09	5.97E-09	9.75E-08
2962	479126.63	3849971.93	3.19E-04	3.27E-04	3.06E-04	1.10E-07	3.33E-07	1.93E-07	1.93E-07	1.79E-07	8.18E-08	7.65E-08	0.00E+00	0.00E+00	3.55E-08	6.54E-09	4.26E-08	6.57E-09	5.92E-09	9.71E-08
2963	479176.63	3849971.93	3.17E-04	3.26E-04	3.03E-04	1.10E-07	3.31E-07	1.92E-07	1.92E-07	1.79E-07	8.15E-08	7.59E-08	0.00E+00	0.00E+00	3.53E-08	6.51E-09	4.24E-08	6.55E-09	5.88E-09	9.67E-08
2964	479226.63	3849971.93	3.02E-04	3.11E-04	2.87E-04	1.05E-07	3.16E-07	1.83E-07	1.83E-07	1.71E-07	7.78E-08	7.18E-08	0.00E+00	0.00E+00	3.36E-08	6.21E-09	4.05E-08	6.25E-09	5.56E-09	9.22E-08
2965	479276.63	3849971.93	3.09E-04	3.18E-04	2.93E-04	1.07E-07	3.23E-07	1.87E-07	1.87E-07	1.75E-07	7.97E-08	7.33E-08	0.00E+00	0.00E+00	3.44E-08	6.35E-09	4.15E-08	6.40E-09	5.68E-09	9.43E-08
2966	479326.63	3849971.93	3.14E-04	3.23E-04	2.96E-04	1.09E-07	3.28E-07	1.90E-07	1.90E-07	1.77E-07	8.08E-08	7.41E-08	0.00E+00	0.00E+00	3.49E-08	6.44E-09	4.21E-08	6.49E-09	5.74E-09	9.57E-08
2967	479376.63	3849971.93	3.02E-04	3.12E-04	2.84E-04	1.05E-07	3.16E-07	1.83E-07	1.83E-07	1.71E-07	7.81E-08	7.10E-08	0.00E+00	0.00E+00	3.37E-08	6.21E-09	4.07E-08	6.27E-09	5.50E-09	9.23E-08
2968	479426.63	3849971.93	3.03E-04	3.13E-04	2.83E-04	1.05E-07	3.17E-07	1.83E-07	1.83E-07	1.72E-07	7.84E-08	7.09E-08	0.00E+00	0.00E+00	3.38E-08	6.23E-09	4.08E-08	6.29E-09	5.49E-09	9.26E-08
2969	478726.63	3850021.93	3.33E-04	3.39E-04	3.26E-04	1.15E-07	3.48E-07	2.01E-07	2.01E-07	1.86E-07	8.49E-08	8.17E-08	0.00E+00	0.00E+00	3.70E-08	6.83E-09	4.42E-08	6.82E-09	6.33E-09	1.01E-07
2970	478776.63	3850021.93	3.31E-04	3.38E-04	3.25E-04	1.15E-07	3.46E-07	2.00E-07	2.00E-07	1.85E-07	8.46E-08	8.12E-08	0.00E+00	0.00E+00	3.69E-08	6.81E-09	4.41E-08	6.79E-09	6.29E-09	1.01E-07
2971	478826.63	3850021.93	3.30E-04	3.37E-04	3.23E-04	1.14E-07	3.45E-07	2.00E-07	2.00E-07	1.85E-07	8.44E-08	8.08E-08	0.00E+00	0.00E+00	3.68E-08	6.78E-09	4.39E-08	6.77E-09	6.26E-09	1.00E-07
2972	478976.63	3850021.93	3.30E-04	3.37E-04	3.20E-04	1.14E-07	3.45E-07	1.99E-07	1.99E-07	1.85E-07	8.44E-08	8.02E-08	0.00E+00	0.00E+00	3.67E-08	6.77E-09	4.39E-08	6.78E-09	6.21E-09	1.00E-07
2973	478726.63	3850071.93	3.39E-04	3.46E-04	3.33E-04	1.17E-07	3.55E-07	2.05E-07	2.05E-07	1.90E-07	8.65E-08	8.34E-08	0.00E+00	0.00E+00	3.78E-08	6.97E-09	4.51E-08	6.95E-09	6.46E-09	1.03E-07
2974	478776.63	3850071.93	3.38E-04	3.45E-04	3.32E-04	1.17E-07	3.53E-07	2.04E-07	2.04E-07	1.89E-07	8.63E-08	8.30E-08	0.00E+00	0.00E+00	3.76E-08	6.94E-09	4.49E-08	6.93E-09	6.43E-09	1.03E-07
2975	478826.63	3850071.93	3.37E-04	3.43E-04	3.30E-04	1.16E-07	3.52E-07	2.04E-07	2.04E-07	1.88E-07	8.59E-08	8.25E-08	0.00E+00	0.00E+00	3.75E-08	6.91E-09	4.48E-08	6.90E-09	6.39E-09	1.02E-07
2976	478876.63	3850071.93	3.36E-04	3.43E-04	3.29E-04	1.16E-07	3.51E-07	2.03E-07	2.03E-07	1.88E-07	8.58E-08	8.22E-08	0.00E+00	0.00E+00	3.74E-08	6.90E-09	4.47E-08	6.89E-09	6.37E-09	1.02E-07
2977	478976.63	3850071.93	3.36E-04	3.43E-04	3.27E-04	1.16E-07	3.51E-07	2.03E-07	2.03E-07	1.88E-07	8.59E-08	8.19E-08	0.00E+00	0.00E+00	3.74E-08	6.90E-09	4.47E-08	6.89E-09	6.34E-09	1.02E-07
2978	478726.63	3850121.93	3.45E-04	3.52E-04	3.40E-04	1.20E-07	3.61E-07	2.09E-07	2.09E-07	1.93E-07	8.81E-08	8.50E-08	0.00E+00	0.00E+00	3.84E-08	7.09E-09	4.59E-08	7.08E-09	6.58E-09	1.05E-07
2979	478776.63	3850121.93	3.44E-04	3.51E-04	3.38E-04	1.19E-07	3.60E-07	2.08E-07	2.08E-07	1.93E-07	8.79E-08	8.47E-08	0.00E+00	0.00E+00	3.83E-08	7.07E-09	4.58E-08	7.06E-09	6.56E-09	1.05E-07
2980	478826.63	3850121.93	3.43E-04	3.50E-04	3.37E-04	1.19E-07	3.59E-07	2.08E-07	2.08E-07	1.92E-07	8.76E-08	8.43E-08	0.00E+00	0.00E+00	3.82E-08	7.05E-09	4.56E-08	7.04E-09	6.53E-09	1.04E-07
2981	478876.63	3850121.93	3.42E-04	3.49E-04	3.35E-04	1.18E-07	3.57E-07	2.07E-07	2.07E-07	1.91E-07	8.73E-08	8.38E-08	0.00E+00	0.00E+00	3.80E-08	7.02E-09	4.54E-08	7.01E-09	6.49E-09	1.04E-07
2982	478976.63	3850121.93	3.42E-04	3.49E-04	3.34E-04	1.18E-07	3.57E-07	2.07E-07	2.07E-07	1.92E-07	8.74E-08	8.36E-08	0.00E+00	0.00E+00	3.81E-08	7.02E-09	4.55E-08	7.02E-09	6.47E-09	1.04E-07
2983	479026.63	3850121.93	3.42E-04	3.49E-04	3.33E-04	1.18E-07	3.57E-07	2.07E-07	2.07E-07	1.91E-07	8.74E-08	8.34E-08	0.00E+00	0.00E+00	3.80E-08	7.02E-09	4.55E-08	7.02E-09	6.45E-09	1.04E-07
2984	479076.63	3850121.93	3.41E-04	3.48E-04	3.31E-04	1.18E-07	3.56E-07	2.06E-07	2.06E-07	1.91E-07	8.71E-08	8.29E-08	0.00E+00	0.00E+00	3.79E-08	6.99E-09	4.54E-08	7.00E-09	6.42E-09	1.04E-07
2985	479126.63	3850121.93	3.40E-04	3.47E-04	3.29E-04	1.18E-07	3.55E-07	2.05E-07	2.05E-07	1.91E-07	8.69E-08	8.24E-08	0.00E+00	0.00E+00	3.78E-08	6.97E-09	4.53E-08	6.98E-09	6.38E-09	1.03E-07
2986	478776.63	3850171.93	3.51E-04	3.57E-04	3.45E-04	1.21E-07	3.67E-07	2.12E-07	2.12E-07	1.96E-07	8.95E-08	8.63E-08	0.00E+00	0.00E+00	3.90E-08	7.20E-09	4.66E-08	7.18E-09	6.68E-09	1.07E-07
2987	478826.63	3850171.93	3.49E-04	3.56E-04	3.43E-04	1.21E-07	3.65E-07	2.11E-07	2.11E-07	1.95E-07	8.91E-08	8.59E-08	0.00E+00	0.00E+00	3.89E-08	7.17E-09	4.64E-08	7.16E-09	6.65E-09	1.06E-07
2988	478876.63	3850171.93	3.48E-04	3.55E-04	3.42E-04	1.21E-07	3.64E-07	2.11E-07	2.11E-07	1.95E-07	8.89E-08	8.55E-08	0.00E+00	0.00E+00	3.88E-08	7.15E-09	4.63E-08	7.14E-09	6.62E-09	1.06E-07
2989	478976.63	3850171.93	3.48E-04	3.56E-04	3.41E-04	1.21E-07	3.64E-07	2.11E-07	2.11E-07	1.95E-07	8.90E-08	8.53E-08	0.00E+00	0.00E+00	3.88E-08	7.15E-09	4.63E-08	7.14E-09	6.61E-09	1.06E-07
2990	479026.63	3850171.93	3.49E-04	3.56E-04	3.41E-04	1.21E-07	3.65E-07	2.11E-07	2.11E-07	1.95E-07	8.91E-08	8.53E-08	0.00E+00	0.00E+00	3.88E-08	7.16E-09	4.64E-08	7.16E-09	6.60E-09	1.06E-07
2991	479076.63	3850171.93	3.48E-04	3.55E-04	3.39E-04	1.20E-07	3.63E-07	2.10E-07	2.10E-07	1.95E-07	8.89E-08	8.48E-08	0.00E+00	0.00E+00	3.87E-08	7.14E-09	4.63E-08	7.14E-09	6.57E-09	1.06E-07
2992	479126.63	3850171.93	3.47E-04	3.54E-04	3.37E-04	1.20E-07	3.62E-07	2.10E-07	2.10E-07	1.94E-07	8.87E-08	8.44E-08	0.00E+00	0.00E+00	3.86E-08	7.12E-09	4.62E-08	7.12E-09	6.54E-09	1.06E-07
2993	479176.63	3850171.93	3.47E-04	3.55E-04	3.37E-04	1.20E-07	3.63E-07	2.10E-07	2.10E-07	1.95E-07	8.88E-08	8.43E-08	0.00E+00	0.00E+00	3.86E-08	7.13E-09	4.63E-08	7.13E-09	6.53E-09	1.06E-07
2994	479226.63	3850171.93	3.50E-04	3.58E-04	3.39E-04	1.21E-07	3.65E-07	2.12E-07	2.12E-07	1.96E-07	8.96E-08	8.47E-08	0.00E+00	0.00E+00	3.89E-08	7.18E-09	4.66E-08	7.19E-09	6.56E-09	1.06E-07
2995	479276.63	3850171.93	3.52E-04	3.61E-04	3.40E-04	1.22E-07	3.68E-07	2.13E-07	2.13E-07	1.98E-07	9.03E-08	8.52E-08	0.00E+00	0.00E+00	3.92E-08	7.24E-09	4.70E-08	7.25E-09	6.60E-09	1.07E-07
2996	479326.63	3850171.93	3.49E-04	3.58E-04	3.36E-04	1.21E-07	3.65E-07	2.11E-07	2.11E-07	1.97E-07	8.97E-08	8.42E-08	0.00E+00	0.00E+00	3.89E-08	7.18E-09	4.67E-08	7.20E-09	6.52E-09	1.06E-07
2997	479376.63	3850171.93	3.47E-04	3.56E-04	3.32E-04	1.20E-07	3.62E-07	2.10E-07	2.10E-07	1.95E-07	8.90E-08	8.32E-08	0.00E+00	0.00E+00	3.86E-08	7.12E-09	4.63E-08	7.15E-09	6.44E-09	1.06E-07
2998	478676.63	3850221.93	3.57E-04	3.64E-04	3.51E-04	1.24E-07	3.73E-07	2.16E-07	2.16E-07	1.99E-07	9.10E-08	8.80E-08	0.00E+00	0.00E+00	3.97E-08	7.33E-09	4.74E-08	7.31E-09	6.81E-09	1.09E-07
2999	478726.63	3850221.93	3.57E-04	3.64E-04	3.52E-04	1.24E-07	3.74E-07	2.16E-07	2.16E-07	2.00E-07	9.11E-08	8.81E-08	0.00E+00	0.00E+00	3.98E-08	7.34E-09	4.75E-08	7.32E-09	6.82E-09	1.09E-07
3000	478976.63	3850221.93	3.55E-04	3.62E-04	3.48E-04	1.23E-07	3.71E-07	2.15E-07	2.15E-07	1.99E-07	9.07E-08	8.71E-08	0.00E+00	0.00E+00	3.95E-08	7.30E-09	4.72E-08	7.28E-09	6.75E-09	1.08E-07
3001	479026.63	3850221.93	3.56E-04	3.63E-04	3.48E-04	1.23E-07	3.72E-07	2.15E-07	2.15E-07	1.99E-07	9.08E-08	8.71E-08	0.00E+00	0.00E+00	3.96E-08	7.30E-09	4.73E-08	7.29E-09	6.74E-09	1.08E-07
3002	479076.63	3850221.93	3.54E-04	3.62E-04	3.46E-04	1.23E-07	3.70E-07	2.14E-07	2.14E-07	1.98E-07	9.06E-08	8.67E-08	0.00E+00	0.00E+00	3.94E-08	7.28E-09	4.72E-08	7.27E-09	6.71E-09	1.08E-07
3003	479126.63	3850221.93	3.54E-04	3.62E-04	3.45E-04	1.23E-07	3.70E-07	2.14E-07	2.14E-07	1.98E-07	9.05E-08	8.64E-08	0.00E+00	0.00E+00	3.94E-08	7.27E-09	4.71E-08	7.27E-09	6.69E-09	1.08E-07
3004	479176.63	3850221.93	3.55E-04	3.63E-04	3.46E-04	1.23E-07	3.71E-07	2.15E-07	2.15E-07	1.99E-07	9.09E-08	8.65E-08	0.00E+00	0.00E+00	3.95E-08	7.29E-09	4.73E-08	7.30E-09	6.70E-09	1.08E-07
3005	479226.63	3850221.93	3.57E-04	3.65E-04	3.46E-04	1.23E-07	3.73E-07	2.16E-07	2.16E-07	2.00E-07	9.13E-08	8.67E-08	0.00E+00	0.00E+00	3.97E-08	7.33E-09	4.75E-08	7.33E-09	6.71E-09	1.09E-07
3006	479276.63	3850221.93	3.58E-04	3.66E-04	3.47E-04	1.24E-07	3.74E-07	2.17E-07	2.17E-07	2.01E-07	9.17E-08	8.68E-08	0.00E+00	0.00E+00	3.99E-08	7.35E-09	4.78E-08	7.36E-09	6.72E-09	1.09E-07
3007	479326.63	3850221.93	3.55E-04	3.64E-04	3.43E-04	1.23E-07	3.72E-07	2.15E-07	2.15E-07	2.00E-07	9.11E-08	8.59E-08	0.00E+00	0.00E+00	3.96E-08	7.30E-09	4.74E-08	7.32E-09	6.65E-09	1.08E-07
3008	479376.63	3850221.93	3.54E-04	3.63E-04	3.41E-04	1.23E-07	3.70E-07	2.14E-07	2.14E-07	1.99E-07	9.08E-08	8.53E-08	0.00E+00	0.00E+00	3.94E-08	7.27E-09	4.73E-08	7.29E-09	6.60E-09	1.08E-07
3009	478676.63	3850271.93	3.62E-04	3.69E-04	3.57E-04	1.25E-07	3.79E-07	2.19E-07	2.19E-07	2.03E-07	9.24E-08	8.93E-08	0.00E+00	0.00E+00	4.03E-08	7.44E-09	4.81E-08	7.42E-09	6.92E-09	1.10E-07
3010	478726.63	3850271.93	3.63E-04	3.70E-04	3.58E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.03E-07	9.26E-08	8.95E-08	0.00E+00	0.00E+00	4.04E-08	7.46E-09	4.82E-08	7.44E-09	6.93E-09	1.10E-07
3011	478976.63	3850271.93	3.61E-04	3.68E-04	3.55E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.02E-07	9.22E-08	8.87E-08	0.00E+00	0.00E+00	4.02E-08	7.42E-09	4.80E-08	7.40E-09	6.87E-09	1.10E-07
3012	479026.63	3850271.93	3.62E-04	3.69E-04	3.55E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.03E-07	9.25E-08	8.89E-08	0.00E+00	0.00E+00	4.03E-08	7.44E-09	4.81E-08	7.42E-09	6.88E-09	1.10E-07
3013	479076.63	3850271.93	3.62E-04	3.69E-04	3.54E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.03E-07	9.24E-08	8.86E-08	0.00E+00	0.00E+00	4.03E-08	7.43E-09	4.81E-08	7.42E-09	6.86E-09	1.10E-07
3014	479126.63	3850271.93	3.62E-04	3.69E-04	3.53E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.03E-07	9.24E-08	8.85E-08	0.00E+00	0.00E+00	4.03E-08	7.43E-09	4.81E-08	7.42E-09	6.85E-09	1.10E-07
3015	479176.63	3850271.93	3.62E-04	3.70E-04	3.53E-04	1.25E-07	3.79E-07	2.19E-07	2.19E-07	2.03E-07	9.26E-08	8.85E-08	0.00E+00	0.00E+00	4.03E-08	7.44E-09	4.82E-08	7.44E-09	6.85E-09	1.10E-07
3016	479226.63	3850271.93	3.63E-04	3.71E-04	3.54E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.04E-07	9.30E-08	8.86E-08	0.00E+00	0.00E+00	4.05E-08	7.46E-09	4.84E-08	7.46E-09	6.86E-09	1.11E-07
3017	479276.63	3850271.93	3.63E-04	3.72E-04	3.53E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.04E-07	9.30E-08	8.83E-08	0.00E+00	0.00E+00	4.04E-08	7.46E-09	4.84E-08	7.47E-09	6.84E-09	1.11E-07
3018	479326.63	3850271.93	3.61E-04	3.70E-04	3.50E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.03E-07	9.26E-08	8.77E-08	0.00E+00	0.00E+00	4.02E-08	7.42E-09	4.82E-08	7.44E-09	6.79E-09	1.10E-07
3019	479376.63	3850271.93	3.58E-04	3.67E-04	3.46E-04	1.24E-07	3.74E-07	2.17E-07	2.17E-07	2.01E-07	9.18E-08	8.65E-08	0.00E+00	0.00E+00	3.99E-08	7.35E-09	4.78E-08	7.37E-09	6.70E-09	1.09E-07
3020	479053.24	3850293.52	3.65E-04	3.73E-04	3.58E-04	1.26E-07	3.82E-07	2.21E-07	2.21E-07	2.04E-07	9.33E-08	8.96E-08	0.00E+00	0.00E+00	4.07E-08	7.50E-09	4.86E-08	7.49E-09	6.94E-09	1.11E-07
3021	479103.24	3850293.52	3.65E-04	3.73E-04	3.58E-04	1.26E-07	3.82E-07	2.21E-07	2.21E-07	2.04E-07	9.33E-08	8.95E-08	0.00E+00	0.00E+00	4.07E-08	7.50E-09	4.86E-08	7.49E-09	6.93E-09	1.11E-07
3022	479153.24	3850293.52	3.65E-04	3.73E-04	3.57E-04	1.26E-07	3.81E-07	2.21E-07	2.21E-07	2.04E-07	9.32E-08	8.92E-08	0.00E+00	0.00E+00	4.06E-08	7.49E-09	4.85E-08	7.49E-09	6.91E-09	1.11E-07
3023	479203.24	3850293.52	3.66E-04	3.74E-04	3.57E-04	1.27E-07	3.82E-07	2.21E-07	2.21E-07	2.05E-07	9.35E-08	8.93E-08	0.00E+00	0.00E+00	4.07E-08	7.51E-09	4.87E-08	7.51E-09	6.92E-09	1.11E-07
3024	479253.24	3850293.52	3.66E-04	3.74E-04	3.57E-04	1.27E-07	3.83E-07	2.22E-07	2.22E-07	2.05E-07	9.37E-08	8.93E-08	0.00E+00	0.00E+00	4.08E-08	7.52E-09	4.88E-08	7.52E-09	6.91E-09	1.12E-07
3025	479303.24	3850293.52	3.65E-04	3.73E-04	3.54E-04	1.26E-07	3.81E-07	2.21E-07	2.21E-07	2.05E-07	9.33E-08	8.86E-08	0.00E+00	0.00E+00	4.06E-08	7.49E-09	4.86E-08	7.50E-09	6.86E-09	1.11E-07
3026	479353.24	3850293.52	3.62E-04	3.71E-04	3.51E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.03E-07	9.27E-08	8.77E-08	0.00E+00	0.00E+00	4.03E-08	7.43E-09	4.83E-08	7.45E-09	6.79E-09	1.10E-07
3027	479153.24	3850343.52	3.72E-04	3.80E-04	3.65E-04	1.29E-07	3.89E-07	2.25E-07	2.25E-07	2.08E-07	9.51E-08	9.12E-08	0.00E+00	0.00E+00	4.14E-08	7.65E-09	4.95E-08	7.64E-09	7.07E-09	1.13E-07
3028	479203.24	3850343.52	3.74E-04	3.82E-04	3.65E-04	1.29E-07	3.91E-07	2.26E-07	2.26E-07	2.09E-07	9.55E-08	9.13E-08	0.00E+00	0.00E+00	4.16E-08	7.67E-09	4.97E-08	7.67E-09	7.07E-09	1.14E-07
3029	479253.24	3850343.52	3.72E-04	3.80E-04	3.63E-04	1.29E-07	3.89E-07	2.25E-07	2.25E-07	2.08E-07	9.51E-08	9.08E-08	0.00E+00	0.00E+00	4.14E-08	7.64E-09	4.95E-08	7.63E-09	7.03E-09	1.13E-07
3030	479303.24	3850343.52	3.70E-04	3.78E-04	3.60E-04	1.28E-07	3.87E-07	2.24E-07	2.24E-07	2.07E-07	9.47E-08	9.02E-08	0.00E+00	0.00E+00	4.12E-08	7.60E-09	4.93E-08	7.60E-09	6.98E-09	1.13E-07
3031	479353.24	3850343.52	3.67E-04	3.76E-04	3.57E-04	1.27E-07	3.84E-07	2.22E-07	2.22E-07	2.06E-07	9.41E-08	8.93E-08	0.00E+00	0.00E+00	4.09E-08	7.55E-09	4.90E-08	7.55E-09	6.91E-09	1.12E-07
3032	479203.24	3850393.52	3.80E-04	3.88E-04	3.71E-04	1.31E-07	3.97E-07	2.30E-07	2.30E-07	2.13E-07	9.70E-08	9.30E-08	0.00E+00	0.00E+00	4.23E-08	7.80E-09	5.05E-08	7.79E-09	7.20E-09	1.16E-07
3033	479253.24	3850393.52	3.79E-04	3.87E-04	3.70E-04	1.31E-07	3.96E-07	2.29E-07	2.29E-07	2.12E-07	9.68E-08	9.25E-08	0.00E+00	0.00E+00	4.21E-08	7.78E-09	5.04E-08	7.77E-09	7.17E-09	1.15E-07
3034	479303.24	3850393.52	3.77E-04	3.85E-04	3.67E-04	1.31E-07	3.94E-07	2.28E-07	2.28E-07	2.11E-07	9.64E-08	9.20E-08	0.00E+00	0.00E+00	4.20E-08	7.74E-09	5.02E-08	7.74E-09	7.12E-09	1.15E-07
3035	479353.24	3850393.52	3.74E-04	3.82E-04	3.64E-04	1.29E-07	3.91E-07	2.26E-07	2.26E-07	2.10E-07	9.56E-08	9.11E-08	0.00E+00	0.00E+00	4.16E-08	7.68E-09	4.98E-08	7.68E-09	7.05E-09	1.14E-07
3036	479403.24	3850393.52	3.72E-04	3.80E-04	3.61E-04	1.29E-07	3.88E-07	2.25E-07	2.25E-07	2.09E-07	9.51E-08	9.03E-08	0.00E+00	0.00E+00	4.14E-08	7.63E-09	4.95E-08	7.64E-09	6.99E-09	1.13E-07
3037	479453.24	3850393.52	3.68E-04	3.76E-04	3.56E-04	1.27E-07	3.84E-07	2.22E-07	2.22E-07	2.06E-07	9.42E-08	8.91E-08	0.00E+00	0.00E+00	4.09E-08	7.55E-09	4.91E-08	7.56E-09	6.90E-09	1.12E-07
3038	479503.24	3850393.52	3.63E-04	3.72E-04	3.50E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.04E-07	9.32E-08	8.77E-08	0.00E+00	0.00E+00	4.04E-08	7.46E-09	4.85E-08	7.48E-09	6.79E-09	1.11E-07

3039	479303.24	3850443.52	3.82E-04	3.91E-04	3.73E-04	1.32E-07	4.00E-07	2.31E-07	2.31E-07	2.14E-07	9.77E-08	9.34E-08	0.00E+00	0.00E+00	4.26E-08	7.85E-09	5.09E-08	7.85E-09	7.24E-09	1.16E-07
3040	479353.24	3850443.52	3.79E-04	3.87E-04	3.69E-04	1.31E-07	3.96E-07	2.29E-07	2.29E-07	2.12E-07	9.68E-08	9.25E-08	0.00E+00	0.00E+00	4.22E-08	7.78E-09	5.04E-08	7.78E-09	7.16E-09	1.15E-07
3041	479403.24	3850443.52	3.75E-04	3.83E-04	3.65E-04	1.30E-07	3.92E-07	2.27E-07	2.27E-07	2.10E-07	9.60E-08	9.13E-08	0.00E+00	0.00E+00	4.17E-08	7.70E-09	5.00E-08	7.71E-09	7.07E-09	1.14E-07
3042	479453.24	3850443.52	3.72E-04	3.80E-04	3.61E-04	1.29E-07	3.88E-07	2.25E-07	2.25E-07	2.09E-07	9.52E-08	9.02E-08	0.00E+00	0.00E+00	4.14E-08	7.63E-09	4.95E-08	7.64E-09	6.99E-09	1.13E-07
3043	479503.24	3850443.52	3.67E-04	3.76E-04	3.55E-04	1.27E-07	3.84E-07	2.22E-07	2.22E-07	2.06E-07	9.41E-08	8.89E-08	0.00E+00	0.00E+00	4.09E-08	7.55E-09	4.90E-08	7.56E-09	6.88E-09	1.12E-07
3044	480327.18	3850987.04	4.38E-04	4.50E-04	4.17E-04	1.51E-07	4.57E-07	2.65E-07	2.65E-07	2.47E-07	1.13E-07	1.04E-07	0.00E+00	0.00E+00	4.87E-08	8.99E-09	5.86E-08	9.04E-09	8.08E-09	1.33E-07
3045	480377.18	3850987.04	4.37E-04	4.49E-04	4.15E-04	1.51E-07	4.56E-07	2.64E-07	2.64E-07	2.46E-07	1.12E-07	1.04E-07	0.00E+00	0.00E+00	4.86E-08	8.97E-09	5.85E-08	9.03E-09	8.04E-09	1.33E-07
3046	480427.18	3850987.04	4.35E-04	4.48E-04	4.11E-04	1.50E-07	4.54E-07	2.63E-07	2.63E-07	2.45E-07	1.12E-07	1.03E-07	0.00E+00	0.00E+00	4.84E-08	8.93E-09	5.83E-08	8.99E-09	7.97E-09	1.33E-07
3047	480477.18	3850987.04	4.32E-04	4.45E-04	4.08E-04	1.50E-07	4.51E-07	2.61E-07	2.61E-07	2.44E-07	1.11E-07	1.02E-07	0.00E+00	0.00E+00	4.81E-08	8.87E-09	5.80E-08	8.95E-09	7.90E-09	1.32E-07
3048	480327.18	3851037.04	4.45E-04	4.57E-04	4.25E-04	1.54E-07	4.65E-07	2.69E-07	2.69E-07	2.50E-07	1.14E-07	1.06E-07	0.00E+00	0.00E+00	4.95E-08	9.13E-09	5.95E-08	9.18E-09	8.24E-09	1.36E-07
3049	480377.18	3851037.04	4.43E-04	4.56E-04	4.23E-04	1.53E-07	4.63E-07	2.68E-07	2.68E-07	2.50E-07	1.14E-07	1.06E-07	0.00E+00	0.00E+00	4.93E-08	9.10E-09	5.94E-08	9.16E-09	8.19E-09	1.35E-07
3050	480427.18	3851037.04	4.41E-04	4.54E-04	4.19E-04	1.53E-07	4.61E-07	2.67E-07	2.67E-07	2.49E-07	1.14E-07	1.05E-07	0.00E+00	0.00E+00	4.91E-08	9.07E-09	5.92E-08	9.13E-09	8.13E-09	1.35E-07
3051	480477.18	3851037.04	4.41E-04	4.54E-04	4.17E-04	1.53E-07	4.61E-07	2.67E-07	2.67E-07	2.49E-07	1.14E-07	1.04E-07	0.00E+00	0.00E+00	4.91E-08	9.05E-09	5.91E-08	9.12E-09	8.09E-09	1.34E-07
3052	480622.06	3851087.39	4.47E-04	4.61E-04	4.21E-04	1.55E-07	4.67E-07	2.71E-07	2.71E-07	2.53E-07	1.15E-07	1.05E-07	0.00E+00	0.00E+00	4.98E-08	9.18E-09	6.01E-08	9.26E-09	8.16E-09	1.36E-07
3053	480672.06	3851087.39	4.47E-04	4.61E-04	4.20E-04	1.55E-07	4.67E-07	2.70E-07	2.70E-07	2.53E-07	1.15E-07	1.05E-07	0.00E+00	0.00E+00	4.97E-08	9.18E-09	6.01E-08	9.27E-09	8.13E-09	1.36E-07
3054	480622.06	3851137.39	4.56E-04	4.70E-04	4.31E-04	1.58E-07	4.77E-07	2.76E-07	2.76E-07	2.58E-07	1.18E-07	1.08E-07	0.00E+00	0.00E+00	5.08E-08	9.36E-09	6.12E-08	9.44E-09	8.35E-09	1.39E-07
3055	480672.06	3851137.39	4.56E-04	4.70E-04	4.29E-04	1.58E-07	4.76E-07	2.76E-07	2.76E-07	2.58E-07	1.18E-07	1.07E-07	0.00E+00	0.00E+00	5.07E-08	9.36E-09	6.12E-08	9.44E-09	8.32E-09	1.39E-07
3056	480722.06	3851137.39	4.56E-04	4.71E-04	4.29E-04	1.58E-07	4.77E-07	2.76E-07	2.76E-07	2.58E-07	1.18E-07	1.07E-07	0.00E+00	0.00E+00	5.08E-08	9.37E-09	6.13E-08	9.46E-09	8.30E-09	1.39E-07
3057	480622.06	3851187.39	4.64E-04	4.78E-04	4.40E-04	1.61E-07	4.85E-07	2.81E-07	2.81E-07	2.62E-07	1.20E-07	1.10E-07	0.00E+00	0.00E+00	5.17E-08	9.54E-09	6.23E-08	9.61E-09	8.53E-09	1.42E-07
3058	480672.06	3851187.39	4.65E-04	4.79E-04	4.39E-04	1.61E-07	4.86E-07	2.81E-07	2.81E-07	2.63E-07	1.20E-07	1.10E-07	0.00E+00	0.00E+00	5.17E-08	9.54E-09	6.24E-08	9.62E-09	8.51E-09	1.42E-07
3059	480722.06	3851187.39	4.66E-04	4.80E-04	4.39E-04	1.61E-07	4.87E-07	2.82E-07	2.82E-07	2.63E-07	1.20E-07	1.10E-07	0.00E+00	0.00E+00	5.18E-08	9.56E-09	6.25E-08	9.64E-09	8.50E-09	1.42E-07
3060	471363.09	3845877.25	8.63E-05	8.86E-05	8.24E-05	2.99E-08	9.02E-08	5.22E-08	5.22E-08	4.86E-08	2.22E-08	2.06E-08	0.00E+00	0.00E+00	9.61E-09	1.77E-09	1.15E-08	1.78E-09	1.60E-09	2.63E-08
3061	471863.09	3845877.25	8.34E-05	8.56E-05	7.97E-05	2.89E-08	8.72E-08	5.05E-08	5.05E-08	4.69E-08	2.14E-08	2.00E-08	0.00E+00	0.00E+00	9.29E-09	1.71E-09	1.12E-08	1.72E-09	1.54E-09	2.54E-08
3062	472363.09	3845877.25	9.09E-05	9.32E-05	8.70E-05	3.15E-08	9.50E-08	5.50E-08	5.50E-08	5.11E-08	2.33E-08	2.18E-08	0.00E+00	0.00E+00	1.01E-08	1.87E-09	1.21E-08	1.87E-09	1.69E-09	2.77E-08
3063	472863.09	3845877.25	8.39E-05	8.59E-05	8.08E-05	2.91E-08	8.77E-08	5.08E-08	5.08E-08	4.71E-08	2.15E-08	2.02E-08	0.00E+00	0.00E+00	9.34E-09	1.72E-09	1.12E-08	1.73E-09	1.57E-09	2.56E-08
3064	473363.09	3845877.25	9.07E-05	9.26E-05	8.84E-05	3.14E-08	9.48E-08	5.49E-08	5.49E-08	5.08E-08	2.32E-08	2.21E-08	0.00E+00	0.00E+00	1.01E-08	1.86E-09	1.21E-08	1.86E-09	1.71E-09	2.76E-08
3065	473863.09	3845877.25	9.86E-05	1.01E-04	9.63E-05	3.41E-08	1.03E-07	5.97E-08	5.97E-08	5.52E-08	2.52E-08	2.41E-08	0.00E+00	0.00E+00	1.10E-08	2.02E-09	1.31E-08	2.02E-09	1.87E-09	3.00E-08
3066	474363.09	3845877.25	1.11E-04	1.13E-04	1.08E-04	3.83E-08	1.16E-07	6.69E-08	6.69E-08	6.19E-08	2.82E-08	2.70E-08	0.00E+00	0.00E+00	1.23E-08	2.27E-09	1.47E-08	2.27E-09	2.09E-09	3.36E-08
3067	474863.09	3845877.25	1.19E-04	1.22E-04	1.15E-04	4.12E-08	1.25E-07	7.21E-08	7.21E-08	6.68E-08	3.05E-08	2.88E-08	0.00E+00	0.00E+00	1.33E-08	2.45E-09	1.59E-08	2.45E-09	2.23E-09	3.63E-08
3068	475363.09	3845877.25	1.28E-04	1.32E-04	1.21E-04	4.43E-08	1.34E-07	7.74E-08	7.74E-08	7.23E-08	3.30E-08	3.02E-08	0.00E+00	0.00E+00	1.42E-08	2.63E-09	1.72E-08	2.65E-09	2.34E-09	3.90E-08
3069	475863.09	3845877.25	1.25E-04	1.29E-04	1.17E-04	4.34E-08	1.31E-07	7.58E-08	7.58E-08	7.09E-08	3.24E-08	2.93E-08	0.00E+00	0.00E+00	1.39E-08	2.57E-09	1.68E-08	2.60E-09	2.27E-09	3.82E-08
3070	476363.09	3845877.25	1.14E-04	1.18E-04	1.06E-04	3.95E-08	1.19E-07	6.90E-08	6.90E-08	6.46E-08	2.95E-08	2.66E-08	0.00E+00	0.00E+00	1.27E-08	2.34E-09	1.53E-08	2.37E-09	2.06E-09	3.48E-08
3071	476863.09	3845877.25	1.05E-04	1.09E-04	9.75E-05	3.64E-08	1.10E-07	6.36E-08	6.36E-08	5.96E-08	2.72E-08	2.44E-08	0.00E+00	0.00E+00	1.17E-08	2.16E-09	1.42E-08	2.18E-09	1.89E-09	3.21E-08
3072	477363.09	3845877.25	9.82E-05	1.01E-04	9.35E-05	3.40E-08	1.03E-07	5.94E-08	5.94E-08	5.52E-08	2.52E-08	2.34E-08	0.00E+00	0.00E+00	1.09E-08	2.02E-09	1.31E-08	2.02E-09	1.81E-09	2.99E-08
3073	477863.09	3845877.25	9.23E-05	9.45E-05	8.85E-05	3.19E-08	9.64E-08	5.58E-08	5.58E-08	5.18E-08	2.36E-08	2.22E-08	0.00E+00	0.00E+00	1.03E-08	1.89E-09	1.23E-08	1.90E-09	1.72E-09	2.81E-08
3074	478363.09	3845877.25	9.06E-05	9.30E-05	8.62E-05	3.14E-08	9.47E-08	5.48E-08	5.48E-08	5.10E-08	2.33E-08	2.16E-08	0.00E+00	0.00E+00	1.01E-08	1.86E-09	1.21E-08	1.87E-09	1.67E-09	2.76E-08
3075	478863.09	3845877.25	8.38E-05	8.59E-05	8.01E-05	2.90E-08	8.76E-08	5.07E-08	5.07E-08	4.71E-08	2.15E-08	2.01E-08	0.00E+00	0.00E+00	9.33E-09	1.72E-09	1.12E-08	1.73E-09	1.55E-09	2.55E-08
3076	479363.09	3845877.25	8.20E-05	8.40E-05	7.87E-05	2.84E-08	8.58E-08	4.96E-08	4.96E-08	4.61E-08	2.10E-08	1.97E-08	0.00E+00	0.00E+00	9.13E-09	1.69E-09	1.09E-08	1.69E-09	1.52E-09	2.50E-08
3077	479863.09	3845877.25	8.10E-05	8.30E-05	7.75E-05	2.81E-08	8.47E-08	4.90E-08	4.90E-08	4.55E-08	2.08E-08	1.94E-08	0.00E+00	0.00E+00	9.02E-09	1.66E-09	1.08E-08	1.67E-09	1.50E-09	2.47E-08
3078	480363.09	3845877.25	7.65E-05	7.83E-05	7.36E-05	2.65E-08	8.00E-08	4.63E-08	4.63E-08	4.29E-08	1.96E-08	1.84E-08	0.00E+00	0.00E+00	8.52E-09	1.57E-09	1.02E-08	1.57E-09	1.43E-09	2.33E-08
3079	480863.09	3845877.25	7.15E-05	7.30E-05	6.91E-05	2.47E-08	7.47E-08	4.33E-08	4.33E-08	4.01E-08	1.83E-08	1.73E-08	0.00E+00	0.00E+00	7.96E-09	1.47E-09	9.52E-09	1.47E-09	1.34E-09	2.17E-08
3080	481363.09	3845877.25	6.84E-05	6.97E-05	6.65E-05	2.37E-08	7.15E-08	4.14E-08	4.14E-08	3.82E-08	1.74E-08	1.66E-08	0.00E+00	0.00E+00	7.61E-09	1.40E-09	9.08E-09	1.40E-09	1.29E-09	2.08E-08
3081	481863.09	3845877.25	6.63E-05	6.75E-05	6.46E-05	2.30E-08	6.93E-08	4.01E-08	4.01E-08	3.70E-08	1.69E-08	1.62E-08	0.00E+00	0.00E+00	7.38E-09	1.36E-09	8.80E-09	1.36E-09	1.25E-09	2.02E-08
3082	482363.09	3845877.25	6.45E-05	6.57E-05	6.29E-05	2.23E-08	6.74E-08	3.90E-08	3.90E-08	3.60E-08	1.64E-08	1.57E-08	0.00E+00	0.00E+00	7.18E-09	1.32E-09	8.56E-09	1.32E-09	1.22E-09	1.96E-08
3083	482863.09	3845877.25	5.96E-05	6.05E-05	5.85E-05	2.06E-08	6.23E-08	3.61E-08	3.61E-08	3.32E-08	1.51E-08	1.46E-08	0.00E+00	0.00E+00	6.63E-09	1.22E-09	7.89E-09	1.22E-09	1.13E-09	1.81E-08
3084	483363.09	3845877.25	5.71E-05	5.80E-05	5.61E-05	1.98E-08	5.97E-08	3.46E-08	3.46E-08	3.18E-08	1.45E-08	1.40E-08	0.00E+00	0.00E+00	6.36E-09	1.17E-09	7.55E-09	1.16E-09	1.09E-09	1.73E-08
3085	483863.09	3845877.25	6.21E-05	6.31E-05	6.08E-05	2.15E-08	6.49E-08	3.76E-08	3.76E-08	3.46E-08	1.58E-08	1.52E-08	0.00E+00	0.00E+00	6.91E-09	1.28E-09	8.22E-09	1.27E-09	1.18E-09	1.89E-08
3086	484363.09	3845877.25	6.23E-05	6.33E-05	6.11E-05	2.16E-08	6.52E-08	3.77E-08	3.77E-08	3.47E-08	1.58E-08	1.53E-08	0.00E+00	0.00E+00	6.94E-09	1.28E-09	8.25E-09	1.27E-09	1.18E-09	1.89E-08
3087	484863.09	3845877.25	6.07E-05	6.16E-05	5.95E-05	2.10E-08	6.34E-08	3.67E-08	3.67E-08	3.38E-08	1.54E-08	1.49E-08	0.00E+00	0.00E+00	6.76E-09	1.25E-09	8.03E-09	1.24E-09	1.15E-09	1.84E-08
3088	485363.09	3845877.25	5.76E-05	5.85E-05	5.65E-05	1.99E-08	6.02E-08	3.48E-08	3.48E-08	3.21E-08	1.46E-08	1.41E-08	0.00E+00	0.00E+00	6.41E-09	1.18E-09	7.62E-09	1.17E-09	1.09E-09	1.75E-08
3089	485863.09	3845877.25	5.53E-05	5.61E-05	5.43E-05	1.91E-08	5.78E-08	3.34E-08	3.34E-08	3.08E-08	1.40E-08	1.36E-08	0.00E+00	0.00E+00	6.15E-09	1.14E-09	7.31E-09	1.13E-09	1.05E-09	1.68E-08
3090	486363.09	3845877.25	5.38E-05	5.47E-05	5.29E-05	1.86E-08	5.63E-08	3.26E-08	3.26E-08	3.00E-08	1.37E-08	1.32E-08	0.00E+00	0.00E+00	5.99E-09	1.11E-09	7.12E-09	1.10E-09	1.03E-09	1.63E-08
3091	486863.09	3845877.25	5.10E-05	5.17E-05	5.02E-05	1.76E-08	5.33E-08	3.08E-08	3.08E-08	2.84E-08	1.29E-08	1.26E-08	0.00E+00	0.00E+00	5.68E-09	1.05E-09	6.74E-09	1.04E-09	9.74E-10	1.55E-08
3092	487363.09	3845877.25	4.89E-05	4.96E-05	4.82E-05	1.69E-08	5.11E-08	2.96E-08	2.96E-08	2.72E-08	1.24E-08	1.21E-08	0.00E+00	0.00E+00	5.44E-09	1.00E-09	6.47E-09	9.98E-10	9.33E-10	1.48E-08
3093	487863.09	3845877.25	4.70E-05	4.77E-05	4.63E-05	1.63E-08	4.91E-08	2.84E-08	2.84E-08	2.62E-08	1.19E-08	1.16E-08	0.00E+00	0.00E+00	5.23E-09	9.65E-10	6.21E-09	9.58E-10	8.96E-10	1.43E-08
3094	488363.09	3845877.25	4.67E-05	4.74E-05	4.60E-05	1.62E-08	4.89E-08	2.83E-08	2.83E-08	2.60E-08	1.19E-08	1.15E-08	0.00E+00	0.00E+00	5.20E-09	9.60E-10	6.18E-09	9.53E-10	8.92E-10	1.42E-08
3095	488863.09	3845877.25	5.13E-05	5.21E-05	5.05E-05	1.78E-08	5.37E-08	3.11E-08	3.11E-08	2.86E-08	1.30E-08	1.26E-08	0.00E+00	0.00E+00	5.71E-09	1.05E-09	6.79E-09	1.05E-09	9.79E-10	1.56E-08
3096	489363.09	3845877.25	5.13E-05	5.21E-05	5.05E-05	1.78E-08	5.37E-08	3.11E-08	3.11E-08	2.86E-08	1.30E-08	1.26E-08	0.00E+00	0.00E+00	5.72E-09	1.05E-09	6.79E-09	1.05E-09	9.79E-10	1.56E-08
3097	489863.09	3845877.25	5.13E-05	5.20E-05	5.04E-05	1.77E-08	5.36E-08	3.10E-08	3.10E-08	2.85E-08	1.30E-08	1.26E-08	0.00E+00	0.00E+00	5.70E-09	1.05E-09	6.77E-09	1.04E-09	9.77E-10	1.56E-08
3098	490363.09	3845877.25	4.91E-05	4.98E-05	4.84E-05	1.70E-08	5.13E-08	2.97E-08	2.97E-08	2.73E-08	1.25E-08	1.21E-08	0.00E+00	0.00E+00	5.46E-09	1.01E-09	6.49E-09	1.00E-09	9.37E-10	1.49E-08
3099	490863.09	3845877.25	4.59E-05	4.66E-05	4.53E-05	1.59E-08	4.80E-08	2.78E-08	2.78E-08	2.55E-08	1.17E-08	1.13E-08	0.00E+00	0.00E+00	5.11E-09	9.43E-10	6.07E-09	9.36E-10	8.78E-10	1.39E-08
3100	491363.09	3845877.25	4.85E-05	4.92E-05	4.78E-05	1.68E-08	5.07E-08	2.93E-08	2.93E-08	2.70E-08	1.23E-08	1.20E-08	0.00E+00	0.00E+00	5.40E-09	9.96E-10	6.41E-09	9.88E-10	9.27E-10	1.47E-08
3101	491863.09	3845877.25	5.09E-05	5.16E-05	5.01E-05	1.76E-08	5.32E-08	3.08E-08	3.08E-08	2.83E-08	1.29E-08	1.25E-08	0.00E+00	0.00E+00	5.66E-09	1.04E-09	6.72E-09	1.04E-09	9.71E-10	1.54E-08
3102	492363.09	3845877.25	4.97E-05	5.04E-05	4.89E-05	1.72E-08	5.20E-08	3.01E-08	3.01E-08	2.77E-08	1.26E-08	1.22E-08	0.00E+00	0.00E+00	5.53E-09	1.02E-09	6.57E-09	1.01E-09	9.48E-10	1.51E-08
3103	492863.09	3845877.25	5.48E-05	5.56E-05	5.38E-05	1.90E-08	5.73E-08	3.31E-08	3.31E-08	3.05E-08	1.39E-08	1.35E-08	0.00E+00	0.00E+00	6.10E-09	1.13E-09	7.25E-09	1.12E-09	1.04E-09	1.66E-08
3104	493363.09	3845877.25	5.66E-05	5.75E-05	5.55E-05	1.96E-08	5.91E-08	3.42E-08	3.42E-08	3.15E-08	1.44E-08	1.39E-08	0.00E+00	0.00E+00	6.30E-09	1.16E-09	7.49E-09	1.15E-09	1.08E-09	1.72E-08
3105	493863.09	3845877.25	5.81E-05	5.91E-05	5.70E-05	2.01E-08	6.08E-08	3.52E-08	3.52E-08	3.24E-08	1.48E-08	1.43E-08	0.00E+00	0.00E+00	6.47E-09	1.19E-09	7.70E-09	1.19E-09	1.10E-09	1.77E-08
3106	494363.09	3845877.25	5.94E-05	6.04E-05	5.81E-05	2.06E-08	6.21E-08	3.60E-08	3.60E-08	3.32E-08	1.51E-08	1.45E-08	0.00E+00	0.00E+00	6.61E-09	1.22E-09	7.88E-09	1.21E-09	1.13E-09	1.81E-08
3107	494863.09	3845877.25	6.06E-05	6.16E-05	5.91E-05	2.10E-08	6.33E-08	3.66E-08	3.66E-08	3.38E-08	1.54E-08	1.48E-08	0.00E+00	0.00E+00	6.74E-09	1.24E-09	8.03E-09	1.24E-09	1.15E-09	1.84E-08
3108	495363.09	3845877.25	6.38E-05	6.49E-05	6.22E-05	2.21E-08	6.66E-08	3.86E-08	3.86E-08	3.56E-08	1.62E-08	1.56E-08	0.00E+00	0.00E+00	7.10E-09	1.31E-09	8.45E-09	1.30E-09	1.21E-09	1.94E-08
3109	495863.09	3845877.25	6.66E-05	6.78E-05	6.50E-05	2.31E-08	6.96E-08	4.03E-08	4.03E-08	3.72E-08	1.70E-08	1.63E-08	0.00E+00	0.00E+00	7.42E-09	1.37E-09	8.84E-09	1.36E-09	1.26E-09	2.02E-08
3110	496363.09	3845877.25	6.97E-05	7.10E-05	6.80E-05	2.41E-08	7.29E-08	4.22E-08	4.22E-08	3.89E-08	1.78E-08	1.70E-08	0.00E+00	0.00E+00	7.76E-09	1.43E-09	9.25E-09	1.43E-09	1.32E-09	2.12E-08
3111	496863.09	3845877.25	7.33E-05	7.46E-05	7.16E-05	2.54E-08	7.66E-08	4.43E-08	4.43E-08	4.09E-08	1.87E-08	1.79E-08	0.00E+00	0.00E+00	8.16E-09	1.50E-09	9.72E-09	1.50E-09	1.39E-09	2.23E-08
3112	497363.09	3845877.25	7.71E-05	7.85E-05	7.53E-05	2.67E-08	8.06E-08	4.67E-08	4.67E-08	4.30E-08	1.96E-08	1.89E-08	0.00E+00	0.00E+00	8.59E-09	1.58E-09	1.02E-08	1.58E-09	1.46E-09	2.34E-08
3113	497863.09	3845877.25	8.16E-05	8.30E-05	7.96E-05	2.82E-08	8.52E-08	4.93E-08	4.93E-08	4.55E-08	2.08E-08	1.99E-08	0.00E+00	0.00E+00	9.08E-09	1.67E-09	1.08E-08	1.67E-09	1.54E-09	2.48E-08
3114	498363.09	3845877.25	8.62E-05	8.77E-05	8.41E-05	2.98E-08	9.01E-08	5.22E-08	5.22E-08	4.81E-08	2.20E-08	2.11E-08	0.00E+00	0.00E+00	9.60E-09	1.77E-09	1.14E-08	1.76E-09	1.63E-09	2.62E-08
3115	471363.09	3846377.25	1.30E-04	1.34E-04	1.26E-04	4.52E-08	1.36E-07	7.89E-08	7.89E-08	7.33E-08	3.34E-08	3.14E-08	0.00E+00	0.00E+00	1.45E-08	2.68E-09	1.74E-08	2.69E-09	2.43E-09	3.97E-08
3116	471863.09	3846377.25	1.15E-04	1.18E-04	1.10E-04	3.99E-08	1.21E-07	6.98E-08	6.98E-08	6.49E-08	2.96E-08	2.76E-08	0.00E+00	0.00E+00	1.28E-08	2.37E-09	1.54E-08	2.38E-09	2.14E-09	3.52E-08
3117	472363.09	3846377.25	8.85E-05	9.08E-05	8.43E-05	3.06E-08	9.25E-08	5.35E-08	5.35E-08	4.98E-08	2.27E-08	2.11E-08	0.00E+00	0.00E+00	9.85E-09	1.82E-09	1.18E-08	1.82E-09	1.63E-09	2.70E-08
3118	472863.09	3846377.25	9.08E-05	9.31E-05	8.68E-05	3.14E-08	9.49E-08	5.50E-08	5.50E-08	5.11E-08	2.33E-08	2.17E-08	0.00E+00	0.00E+00	1.01E-08	1.87E-09	1.21E-08	1.87E-09	1.68E-09	2.77E-08
3119	473363.09	3846377.25	9.48E-05	9.72E-05	9.11E-05	3.28E-08	9.91E-08	5.74E-08	5.74E-08	5.33E-08	2.43E-08	2.28E-08	0.00E+00	0.00E+00	1.06E-08	1.95E-09	1.27E-08	1.95E-09	1.76E-09	2.89E-08
3120	473863.09	3846377.25	1.07E-04	1.09E-04	1.04E-04	3.70E-08	1.12E-07	6.46E-08	6.46E-08	5.98E-08	2.73E-08	2.60E-08	0.00E+00	0.00E+00	1.19E-08	2.19E-09	1.42E-08	2.19E-09	2.01E-09	3.25E-08
3121	474363.09	3846377.25	1.18E-04	1.20E-04	1.16E-04	4.09E-08	1.23E-07	7.14E-08	7.14E-08	6.60E-08	3.01E-08	2.89E-08	0.00E+00	0.00E+00	1.31E-08	2.42E-09	1.57E-08	2.42E-09	2.24E-09	3.59E-08
3122	474863.09	3846377.25	1.30E-04	1.32E-04	1.27E-04	4.49E-08	1.36E-07	7.85E-08	7.85E-08	7.26E-08	3.31E-08	3.17E-08	0.00E+00	0.00E+00	1.44E-08	2.66E-09	1.72E-08	2.66E-09	2.45E-09	3.95E-08
3123	475363.09	3846377.25	1.35E-04	1.38E-04	1.31E-04	4.68E-08	1.41E-07	8.18E-08	8.18E-08	7.59E-08	3.46E-08	3.27E-08	0.00E+00	0.00E+00	1.50E-08	2.78E-09	1.80E-08	2.78E-09	2.53E-09	4.12E-08
3124	475863.09	3846377.25	1.44E-04	1.48E-04	1.35E-04	4.97E-08	1.50E-07	8.69E-08	8.69E-08	8.12E-08	3.70E-08	3.38E-08	0.00E+00	0.00E+00	1.60E-08	2.95E-09	1.93E-08	2.97E-09	2.62E-09	4.38E-08
3125	476363.09	3846377.25	1.35E-04	1.39E-04	1.26E-04	4.66E-08	1.41E-07	8.15E-08	8.15E-08	7.63E-08	3.48E-08	3.15E-08	0.00E+00	0.00E+00	1.50E-08	2.77E-09	1.81E-08	2.80E-09	2.44E-09	4.11E-08
3126	476863.09	3846377.25	1.21E-04	1.25E-04	1.12E-04	4.20E-08	1.27E-07	7.33E-08	7.33E-08	6.87E-08	3.14E-08	2.82E-08	0.00E+00	0.00E+00	1.35E-08	2.49E-09	1.63E-08	2.52E-09	2.18E-09	3.70E-08
3127	477363.09	3846377.25	1.14E-04	1.18E-04	1.06E-04	3.95E-08	1.19E-07	6.90E-08	6.90E-08	6.46E-08	2.95E-08	2.65E-08	0.00E+00	0.00E+00	1.27E-08	2.34E-09	1.53E-08	2.37E-09	2.05E-09	3.48E-08
3128	477863.09	3846377.25	1.04E-04	1.07E-04	9.94E-05	3.60E-08	1.09E-07	6.30E-08	6.30E-08	5.85E-08	2.67E-08	2.49E-08	0.00E+00	0.00E+00	1.16E-08	2.14E-09	1.39E-08	2.15E-09	1.93E-09	3.17E-08
3129	478363.09	3846377.25	1.00E-04	1.03E-04	9.59E-05	3.47E-08	1.05E-07	6.07E-08	6.07E-08	5.64E-08	2.57E-08	2.40E-08	0.00E+00	0.00E+00	1.12E-08	2.06E-09	1.34E-08	2.07E-09	1.86E-09	3.06E-08
3130	478863.09	3846377.25	9.83E-05	1.01E-04	9.33E-05	3.40E-08	1.03E-07	5.95E-08	5.95E-08	5.54E-08	2.53E-08	2.33E-08	0.00E+00	0.00E+00	1.09E-08	2.02E-09	1.32E-08	2.03E-09	1.81E-09	3.00E-08
3131	479363.09	3846377.25	9.17E-05	9.40E-05	8.75E-05	3.17E-08	9.58E-08	5.55E-08	5.55E-08	5.15E-08	2.35E-08	2.19E-08	0.00E+00	0.00E+00	1.02E-08	1.88E-09	1.22E-08	1.89E-09	1.70E-09	2.79E-08
3132	479863.09	3846377.25	8.70E-05	8.92E-05	8.32E-05	3.01E-08	9.09E-08	5.26E-08	5.26E-08	4.89E-08	2.23E-08	2.08E-08	0.00E+00	0.00E+00	9.68E-09	1.79E-09	1.16E-08	1.79E-09	1.61E-09	2.65E-08
3133	480363.09	3846377.25	8.87E-05	9.09E-05	8.46E-05	3.07E-08	9.27E-08	5.37E-08	5.37E-08	4.99E-08	2.28E-08	2.12E-08	0.00E+00	0.00E+00	9.87E-09	1.82E-09	1.18E-08	1.83E-09	1.64E-09	2.70E-08
3134	480863.09	3846377.25	8.01E-05	8.19E-05	7.71E-05	2.77E-08	8.37E-08	4.85E-08	4.85E-08	4.49E-08	2.05E-08	1.93E-08	0.00E+00	0.00E+00	8.92E-09	1.65E-09	1.07E-08	1.65E-09	1.49E-09	2.44E-08
3135	481363.09	3846377.25	7.60E-05	7.76E-05	7.34E-05	2.63E-08	7.94E-08	4.60E-08	4.60E-08	4.26E-08	1.94E-08	1.84E-08	0.00E+00	0.00E+00	8.46E-09	1.56E-09	1.01E-08	1.56E-09	1.42E-09	2.31E-08
3136	481863.09	3846377.25	7.26E-05	7.40E-05	7.06E-05	2.51E-08	7.59E-08	4.39E-08	4.39E-08	4.06E-08	1.85E-08	1.77E-08	0.00E+00	0.00E+00	8.08E-09	1.49E-09	9.64E-09	1.49E-09	1.37E-09	2.21E-08
3137	482363.09	3846377.25	6.94E-05	7.07E-05	6.75E-05	2.40E-08	7.25E-08	4.20E-08	4.20E-08	3.88E-08	1.77E-08	1.69E-08	0.00E+00	0.00E+00	7.73E-09	1.43E-09	9.22E-09	1.42E-09	1.31E-09	2.11E-08
3138	482863.09	3846377.25	6.51E-05	6.63E-05	6.37E-05	2.26E-08	6.81E-08	3.94E-08	3.94E-08	3.63E-08	1.66E-08	1.59E-08	0.00E+00	0.00E+00	7.25E-09	1.34E-09	8.63E-09	1.33E-09	1.23E-09	1.98E-08
3139	483363.09	3846377.25	6.65E-05	6.76E-05	6.50E-05	2.30E-08	6.95E-08	4.02E-08	4.02E-08	3.71E-08	1.69E-08	1.63E-08	0.00E+00	0.00E+00	7.40E-09	1.37E-09	8.81E-09	1.36E-09	1.26E-09	2.02E-08
3140	483863.09	3846377.25	6.69E-05	6.80E-05	6.54E-05	2.32E-08	6.99E-08	4.05E-08	4.05E-08	3.73E-08	1.70E-08	1.64E-08	0.00E+00	0.00E+00	7.45E-09	1.37E-09	8.86E-09	1.37E-09	1.27E-09	2.03E-08
3141	484363.09	3846377.25	6.51E-05	6.61E-05	6.38E-05	2.25E-08	6.80E-08	3.94E-08	3.94E-08	3.62E-08	1.65E-08	1.60E-08	0.00E+00	0.00E+00	7.24E-09	1.34E-09	8.61E-09	1.33E-09	1.24E-09	1.98E-08
3142	484863.09	3846377.25	6.69E-05	6.80E-05	6.55E-05	2.32E-08	7.00E-08	4.05E-08	4.05E-08	3.73E-08	1.70E-08	1.64E-08	0.00E+00	0.00E+00	7.45E-09	1.37E-09	8.87E-09	1.37E-09	1.27E-09	2.03E-08
3143	485363.09	3846377.25	6.51E-05	6.62E-05	6.37E-05	2.25E-08	6.80E-08	3.94E-08	3.94E-08	3.63E-08	1.66E-08	1.59E-08	0.00E+00	0.00E+00	7.25E-09	1.34E-09	8.62E-09	1.33E-09	1.23E-09	1.98E-08

3144	485863.09	3846377.25	6.01E-05	6.10E-05	5.89E-05	2.08E-08	6.28E-08	3.63E-08	3.63E-08	3.35E-08	1.53E-08	1.47E-08	0.00E+00	0.00E+00	6.69E-09	1.23E-09	7.95E-09	1.23E-09	1.14E-09	1.82E-08
3145	486363.09	3846377.25	5.51E-05	5.59E-05	5.43E-05	1.91E-08	5.76E-08	3.34E-08	3.34E-08	3.07E-08	1.40E-08	1.36E-08	0.00E+00	0.00E+00	6.14E-09	1.13E-09	7.29E-09	1.12E-09	1.05E-09	1.67E-08
3146	486863.09	3846377.25	5.30E-05	5.37E-05	5.22E-05	1.83E-08	5.54E-08	3.21E-08	3.21E-08	2.95E-08	1.35E-08	1.31E-08	0.00E+00	0.00E+00	5.90E-09	1.09E-09	7.00E-09	1.08E-09	1.01E-09	1.61E-08
3147	487363.09	3846377.25	5.17E-05	5.25E-05	5.09E-05	1.79E-08	5.40E-08	3.13E-08	3.13E-08	2.88E-08	1.31E-08	1.27E-08	0.00E+00	0.00E+00	5.76E-09	1.06E-09	6.84E-09	1.05E-09	9.86E-10	1.57E-08
3148	487863.09	3846377.25	5.34E-05	5.43E-05	5.25E-05	1.85E-08	5.59E-08	3.23E-08	3.23E-08	2.98E-08	1.36E-08	1.31E-08	0.00E+00	0.00E+00	5.95E-09	1.10E-09	7.07E-09	1.09E-09	1.02E-09	1.62E-08
3149	488363.09	3846377.25	5.43E-05	5.51E-05	5.33E-05	1.88E-08	5.67E-08	3.28E-08	3.28E-08	3.02E-08	1.38E-08	1.33E-08	0.00E+00	0.00E+00	6.04E-09	1.11E-09	7.18E-09	1.11E-09	1.03E-09	1.65E-08
3150	488863.09	3846377.25	5.52E-05	5.60E-05	5.43E-05	1.91E-08	5.77E-08	3.34E-08	3.34E-08	3.07E-08	1.40E-08	1.36E-08	0.00E+00	0.00E+00	6.15E-09	1.13E-09	7.30E-09	1.13E-09	1.05E-09	1.68E-08
3151	489363.09	3846377.25	5.60E-05	5.68E-05	5.50E-05	1.94E-08	5.85E-08	3.39E-08	3.39E-08	3.11E-08	1.42E-08	1.38E-08	0.00E+00	0.00E+00	6.23E-09	1.15E-09	7.40E-09	1.14E-09	1.07E-09	1.70E-08
3152	489863.09	3846377.25	5.55E-05	5.63E-05	5.46E-05	1.92E-08	5.80E-08	3.36E-08	3.36E-08	3.09E-08	1.41E-08	1.37E-08	0.00E+00	0.00E+00	6.18E-09	1.14E-09	7.34E-09	1.13E-09	1.06E-09	1.68E-08
3153	490363.09	3846377.25	5.10E-05	5.17E-05	5.02E-05	1.76E-08	5.33E-08	3.08E-08	3.08E-08	2.83E-08	1.29E-08	1.26E-08	0.00E+00	0.00E+00	5.67E-09	1.05E-09	6.73E-09	1.04E-09	9.73E-10	1.55E-08
3154	490863.09	3846377.25	5.01E-05	5.08E-05	4.94E-05	1.73E-08	5.24E-08	3.03E-08	3.03E-08	2.79E-08	1.27E-08	1.24E-08	0.00E+00	0.00E+00	5.58E-09	1.03E-09	6.62E-09	1.02E-09	9.57E-10	1.52E-08
3155	491363.09	3846377.25	5.07E-05	5.14E-05	4.99E-05	1.75E-08	5.29E-08	3.07E-08	3.07E-08	2.82E-08	1.29E-08	1.25E-08	0.00E+00	0.00E+00	5.64E-09	1.04E-09	6.70E-09	1.03E-09	9.68E-10	1.54E-08
3156	491863.09	3846377.25	5.56E-05	5.64E-05	5.47E-05	1.92E-08	5.81E-08	3.36E-08	3.36E-08	3.09E-08	1.41E-08	1.37E-08	0.00E+00	0.00E+00	6.19E-09	1.14E-09	7.35E-09	1.13E-09	1.06E-09	1.69E-08
3157	492363.09	3846377.25	5.65E-05	5.74E-05	5.56E-05	1.96E-08	5.91E-08	3.42E-08	3.42E-08	3.15E-08	1.44E-08	1.39E-08	0.00E+00	0.00E+00	6.29E-09	1.16E-09	7.48E-09	1.15E-09	1.08E-09	1.72E-08
3158	492863.09	3846377.25	5.78E-05	5.87E-05	5.68E-05	2.00E-08	6.04E-08	3.50E-08	3.50E-08	3.22E-08	1.47E-08	1.42E-08	0.00E+00	0.00E+00	6.44E-09	1.19E-09	7.65E-09	1.18E-09	1.10E-09	1.76E-08
3159	493363.09	3846377.25	6.04E-05	6.14E-05	5.92E-05	2.09E-08	6.32E-08	3.66E-08	3.66E-08	3.37E-08	1.54E-08	1.48E-08	0.00E+00	0.00E+00	6.73E-09	1.24E-09	8.00E-09	1.23E-09	1.15E-09	1.83E-08
3160	493863.09	3846377.25	6.20E-05	6.30E-05	6.06E-05	2.15E-08	6.48E-08	3.75E-08	3.75E-08	3.46E-08	1.58E-08	1.52E-08	0.00E+00	0.00E+00	6.90E-09	1.27E-09	8.22E-09	1.27E-09	1.18E-09	1.88E-08
3161	494363.09	3846377.25	6.35E-05	6.47E-05	6.20E-05	2.20E-08	6.64E-08	3.84E-08	3.84E-08	3.55E-08	1.62E-08	1.55E-08	0.00E+00	0.00E+00	7.07E-09	1.30E-09	8.43E-09	1.30E-09	1.20E-09	1.93E-08
3162	494863.09	3846377.25	6.65E-05	6.77E-05	6.48E-05	2.30E-08	6.95E-08	4.02E-08	4.02E-08	3.71E-08	1.69E-08	1.62E-08	0.00E+00	0.00E+00	7.40E-09	1.37E-09	8.82E-09	1.36E-09	1.26E-09	2.02E-08
3163	495363.09	3846377.25	6.93E-05	7.06E-05	6.76E-05	2.40E-08	7.25E-08	4.20E-08	4.20E-08	3.87E-08	1.77E-08	1.69E-08	0.00E+00	0.00E+00	7.72E-09	1.42E-09	9.20E-09	1.42E-09	1.31E-09	2.11E-08
3164	495863.09	3846377.25	7.30E-05	7.43E-05	7.12E-05	2.53E-08	7.63E-08	4.42E-08	4.42E-08	4.08E-08	1.86E-08	1.78E-08	0.00E+00	0.00E+00	8.13E-09	1.50E-09	9.69E-09	1.49E-09	1.38E-09	2.22E-08
3165	496363.09	3846377.25	7.73E-05	7.86E-05	7.54E-05	2.67E-08	8.08E-08	4.67E-08	4.67E-08	4.31E-08	1.97E-08	1.89E-08	0.00E+00	0.00E+00	8.60E-09	1.59E-09	1.02E-08	1.58E-09	1.46E-09	2.35E-08
3166	496863.09	3846377.25	8.20E-05	8.34E-05	8.00E-05	2.84E-08	8.57E-08	4.96E-08	4.96E-08	4.58E-08	2.09E-08	2.00E-08	0.00E+00	0.00E+00	9.12E-09	1.68E-09	1.09E-08	1.68E-09	1.55E-09	2.49E-08
3167	497363.09	3846377.25	8.74E-05	8.89E-05	8.52E-05	3.03E-08	9.13E-08	5.29E-08	5.29E-08	4.88E-08	2.23E-08	2.13E-08	0.00E+00	0.00E+00	9.73E-09	1.79E-09	1.16E-08	1.79E-09	1.65E-09	2.66E-08
3168	497863.09	3846377.25	9.25E-05	9.42E-05	9.02E-05	3.20E-08	9.67E-08	5.60E-08	5.60E-08	5.17E-08	2.36E-08	2.26E-08	0.00E+00	0.00E+00	1.03E-08	1.90E-09	1.23E-08	1.89E-09	1.75E-09	2.81E-08
3169	498363.09	3846377.25	9.78E-05	9.95E-05	9.53E-05	3.38E-08	1.02E-07	5.91E-08	5.91E-08	5.46E-08	2.49E-08	2.39E-08	0.00E+00	0.00E+00	1.09E-08	2.01E-09	1.30E-08	2.00E-09	1.85E-09	2.97E-08
3170	471363.09	3846877.25	1.47E-04	1.51E-04	1.42E-04	5.10E-08	1.54E-07	8.92E-08	8.92E-08	8.28E-08	3.78E-08	3.56E-08	0.00E+00	0.00E+00	1.64E-08	3.03E-09	1.97E-08	3.03E-09	2.75E-09	4.49E-08
3171	471863.09	3846877.25	1.44E-04	1.47E-04	1.39E-04	4.98E-08	1.50E-07	8.71E-08	8.71E-08	8.09E-08	3.69E-08	3.47E-08	0.00E+00	0.00E+00	1.60E-08	2.96E-09	1.92E-08	2.96E-09	2.69E-09	4.38E-08
3172	472363.09	3846877.25	1.32E-04	1.35E-04	1.26E-04	4.56E-08	1.38E-07	7.98E-08	7.98E-08	7.42E-08	3.38E-08	3.16E-08	0.00E+00	0.00E+00	1.47E-08	2.71E-09	1.76E-08	2.72E-09	2.45E-09	4.02E-08
3173	472863.09	3846877.25	9.33E-05	9.58E-05	8.88E-05	3.23E-08	9.75E-08	5.64E-08	5.64E-08	5.25E-08	2.40E-08	2.22E-08	0.00E+00	0.00E+00	1.04E-08	1.92E-09	1.25E-08	1.92E-09	1.72E-09	2.84E-08
3174	473363.09	3846877.25	1.00E-04	1.03E-04	9.57E-05	3.48E-08	1.05E-07	6.08E-08	6.08E-08	5.66E-08	2.58E-08	2.40E-08	0.00E+00	0.00E+00	1.12E-08	2.06E-09	1.34E-08	2.07E-09	1.86E-09	3.06E-08
3175	473863.09	3846877.25	1.13E-04	1.16E-04	1.09E-04	3.92E-08	1.18E-07	6.86E-08	6.86E-08	6.37E-08	2.91E-08	2.72E-08	0.00E+00	0.00E+00	1.26E-08	2.33E-09	1.51E-08	2.33E-09	2.11E-09	3.45E-08
3176	474363.09	3846877.25	1.22E-04	1.25E-04	1.19E-04	4.23E-08	1.28E-07	7.40E-08	7.40E-08	6.85E-08	3.13E-08	2.97E-08	0.00E+00	0.00E+00	1.36E-08	2.51E-09	1.63E-08	2.51E-09	2.30E-09	3.72E-08
3177	474863.09	3846877.25	1.32E-04	1.34E-04	1.29E-04	4.56E-08	1.38E-07	7.98E-08	7.98E-08	7.37E-08	3.36E-08	3.23E-08	0.00E+00	0.00E+00	1.47E-08	2.71E-09	1.75E-08	2.70E-09	2.50E-09	4.01E-08
3178	475363.09	3846877.25	1.36E-04	1.38E-04	1.32E-04	4.70E-08	1.42E-07	8.21E-08	8.21E-08	7.60E-08	3.47E-08	3.31E-08	0.00E+00	0.00E+00	1.51E-08	2.79E-09	1.80E-08	2.78E-09	2.56E-09	4.13E-08
3179	475863.09	3846877.25	1.48E-04	1.52E-04	1.43E-04	5.12E-08	1.55E-07	8.96E-08	8.96E-08	8.31E-08	3.79E-08	3.58E-08	0.00E+00	0.00E+00	1.65E-08	3.04E-09	1.97E-08	3.04E-09	2.77E-09	4.51E-08
3180	476363.09	3846877.25	1.54E-04	1.59E-04	1.45E-04	5.34E-08	1.61E-07	9.34E-08	9.34E-08	8.73E-08	3.98E-08	3.63E-08	0.00E+00	0.00E+00	1.72E-08	3.17E-09	2.07E-08	3.20E-09	2.81E-09	4.71E-08
3181	476863.09	3846877.25	1.45E-04	1.50E-04	1.35E-04	5.03E-08	1.52E-07	8.80E-08	8.80E-08	8.24E-08	3.76E-08	3.39E-08	0.00E+00	0.00E+00	1.62E-08	2.99E-09	1.96E-08	3.02E-09	2.62E-09	4.44E-08
3182	477363.09	3846877.25	1.31E-04	1.35E-04	1.21E-04	4.52E-08	1.36E-07	7.90E-08	7.90E-08	7.41E-08	3.38E-08	3.02E-08	0.00E+00	0.00E+00	1.45E-08	2.68E-09	1.76E-08	2.72E-09	2.34E-09	3.99E-08
3183	477863.09	3846877.25	1.22E-04	1.26E-04	1.13E-04	4.21E-08	1.27E-07	7.36E-08	7.36E-08	6.89E-08	3.15E-08	2.83E-08	0.00E+00	0.00E+00	1.35E-08	2.50E-09	1.64E-08	2.53E-09	2.19E-09	3.71E-08
3184	478363.09	3846877.25	1.14E-04	1.17E-04	1.09E-04	3.96E-08	1.19E-07	6.91E-08	6.91E-08	6.43E-08	2.93E-08	2.73E-08	0.00E+00	0.00E+00	1.27E-08	2.35E-09	1.53E-08	2.36E-09	2.11E-09	3.48E-08
3185	478863.09	3846877.25	1.15E-04	1.18E-04	1.09E-04	3.99E-08	1.20E-07	6.97E-08	6.97E-08	6.49E-08	2.96E-08	2.74E-08	0.00E+00	0.00E+00	1.28E-08	2.37E-09	1.54E-08	2.38E-09	2.12E-09	3.51E-08
3186	479363.09	3846877.25	1.05E-04	1.08E-04	9.98E-05	3.65E-08	1.10E-07	6.37E-08	6.37E-08	5.94E-08	2.71E-08	2.50E-08	0.00E+00	0.00E+00	1.17E-08	2.16E-09	1.41E-08	2.18E-09	1.93E-09	3.21E-08
3187	479863.09	3846877.25	8.90E-05	9.12E-05	8.52E-05	3.08E-08	9.30E-08	5.38E-08	5.38E-08	5.00E-08	2.28E-08	2.13E-08	0.00E+00	0.00E+00	9.90E-09	1.83E-09	1.19E-08	1.83E-09	1.65E-09	2.71E-08
3188	480363.09	3846877.25	8.29E-05	8.48E-05	7.97E-05	2.87E-08	8.66E-08	5.01E-08	5.01E-08	4.65E-08	2.12E-08	1.99E-08	0.00E+00	0.00E+00	9.23E-09	1.70E-09	1.10E-08	1.70E-09	1.54E-09	2.52E-08
3189	480863.09	3846877.25	7.99E-05	8.17E-05	7.70E-05	2.77E-08	8.35E-08	4.84E-08	4.84E-08	4.48E-08	2.05E-08	1.93E-08	0.00E+00	0.00E+00	8.90E-09	1.64E-09	1.07E-08	1.64E-09	1.49E-09	2.43E-08
3190	481363.09	3846877.25	7.96E-05	8.13E-05	7.67E-05	2.76E-08	8.32E-08	4.82E-08	4.82E-08	4.46E-08	2.04E-08	1.92E-08	0.00E+00	0.00E+00	8.86E-09	1.63E-09	1.06E-08	1.63E-09	1.49E-09	2.42E-08
3191	481863.09	3846877.25	7.77E-05	7.93E-05	7.54E-05	2.69E-08	8.12E-08	4.70E-08	4.70E-08	4.35E-08	1.98E-08	1.89E-08	0.00E+00	0.00E+00	8.65E-09	1.60E-09	1.03E-08	1.59E-09	1.46E-09	2.36E-08
3192	482363.09	3846877.25	7.27E-05	7.41E-05	7.07E-05	2.52E-08	7.60E-08	4.40E-08	4.40E-08	4.07E-08	1.86E-08	1.77E-08	0.00E+00	0.00E+00	8.10E-09	1.49E-09	9.66E-09	1.49E-09	1.37E-09	2.21E-08
3193	482863.09	3846877.25	7.22E-05	7.36E-05	7.02E-05	2.50E-08	7.55E-08	4.37E-08	4.37E-08	4.04E-08	1.84E-08	1.76E-08	0.00E+00	0.00E+00	8.04E-09	1.48E-09	9.59E-09	1.48E-09	1.36E-09	2.20E-08
3194	483363.09	3846877.25	7.20E-05	7.33E-05	7.00E-05	2.49E-08	7.52E-08	4.36E-08	4.36E-08	4.02E-08	1.83E-08	1.75E-08	0.00E+00	0.00E+00	8.01E-09	1.48E-09	9.55E-09	1.47E-09	1.36E-09	2.19E-08
3195	483863.09	3846877.25	7.22E-05	7.35E-05	7.03E-05	2.50E-08	7.55E-08	4.37E-08	4.37E-08	4.03E-08	1.84E-08	1.76E-08	0.00E+00	0.00E+00	8.04E-09	1.48E-09	9.58E-09	1.48E-09	1.36E-09	2.19E-08
3196	484363.09	3846877.25	7.27E-05	7.39E-05	7.09E-05	2.52E-08	7.59E-08	4.40E-08	4.40E-08	4.05E-08	1.85E-08	1.78E-08	0.00E+00	0.00E+00	8.09E-09	1.49E-09	9.63E-09	1.49E-09	1.37E-09	2.21E-08
3197	484863.09	3846877.25	7.19E-05	7.31E-05	7.02E-05	2.49E-08	7.52E-08	4.35E-08	4.35E-08	4.01E-08	1.83E-08	1.76E-08	0.00E+00	0.00E+00	8.01E-09	1.48E-09	9.53E-09	1.47E-09	1.36E-09	2.18E-08
3198	485363.09	3846877.25	7.04E-05	7.16E-05	6.88E-05	2.44E-08	7.36E-08	4.26E-08	4.26E-08	3.93E-08	1.79E-08	1.72E-08	0.00E+00	0.00E+00	7.84E-09	1.45E-09	9.33E-09	1.44E-09	1.33E-09	2.14E-08
3199	485863.09	3846877.25	6.57E-05	6.67E-05	6.43E-05	2.27E-08	6.86E-08	3.97E-08	3.97E-08	3.66E-08	1.67E-08	1.61E-08	0.00E+00	0.00E+00	7.31E-09	1.35E-09	8.70E-09	1.34E-09	1.25E-09	1.99E-08
3200	486363.09	3846877.25	6.49E-05	6.60E-05	6.36E-05	2.25E-08	6.78E-08	3.93E-08	3.93E-08	3.62E-08	1.65E-08	1.59E-08	0.00E+00	0.00E+00	7.22E-09	1.33E-09	8.60E-09	1.33E-09	1.23E-09	1.97E-08
3201	486863.09	3846877.25	5.99E-05	6.08E-05	5.88E-05	2.07E-08	6.26E-08	3.62E-08	3.62E-08	3.34E-08	1.52E-08	1.47E-08	0.00E+00	0.00E+00	6.67E-09	1.23E-09	7.93E-09	1.22E-09	1.14E-09	1.82E-08
3202	487363.09	3846877.25	5.83E-05	5.93E-05	5.72E-05	2.02E-08	6.10E-08	3.53E-08	3.53E-08	3.25E-08	1.48E-08	1.43E-08	0.00E+00	0.00E+00	6.49E-09	1.20E-09	7.72E-09	1.19E-09	1.11E-09	1.77E-08
3203	487863.09	3846877.25	5.76E-05	5.85E-05	5.65E-05	1.99E-08	6.02E-08	3.49E-08	3.49E-08	3.21E-08	1.47E-08	1.41E-08	0.00E+00	0.00E+00	6.41E-09	1.18E-09	7.63E-09	1.18E-09	1.09E-09	1.75E-08
3204	488363.09	3846877.25	5.80E-05	5.89E-05	5.69E-05	2.01E-08	6.06E-08	3.51E-08	3.51E-08	3.23E-08	1.47E-08	1.43E-08	0.00E+00	0.00E+00	6.46E-09	1.19E-09	7.68E-09	1.18E-09	1.10E-09	1.76E-08
3205	488863.09	3846877.25	5.92E-05	6.01E-05	5.82E-05	2.05E-08	6.19E-08	3.58E-08	3.58E-08	3.30E-08	1.51E-08	1.46E-08	0.00E+00	0.00E+00	6.60E-09	1.22E-09	7.84E-09	1.21E-09	1.13E-09	1.80E-08
3206	489363.09	3846877.25	6.08E-05	6.17E-05	5.97E-05	2.10E-08	6.35E-08	3.68E-08	3.68E-08	3.38E-08	1.54E-08	1.49E-08	0.00E+00	0.00E+00	6.76E-09	1.25E-09	8.04E-09	1.24E-09	1.16E-09	1.84E-08
3207	489863.09	3846877.25	6.13E-05	6.22E-05	6.03E-05	2.12E-08	6.41E-08	3.71E-08	3.71E-08	3.41E-08	1.56E-08	1.51E-08	0.00E+00	0.00E+00	6.83E-09	1.26E-09	8.11E-09	1.25E-09	1.17E-09	1.86E-08
3208	490363.09	3846877.25	5.73E-05	5.81E-05	5.65E-05	1.98E-08	5.99E-08	3.47E-08	3.47E-08	3.19E-08	1.46E-08	1.41E-08	0.00E+00	0.00E+00	6.38E-09	1.18E-09	7.58E-09	1.17E-09	1.10E-09	1.74E-08
3209	490863.09	3846877.25	5.62E-05	5.70E-05	5.54E-05	1.95E-08	5.88E-08	3.40E-08	3.40E-08	3.13E-08	1.43E-08	1.39E-08	0.00E+00	0.00E+00	6.26E-09	1.16E-09	7.43E-09	1.15E-09	1.07E-09	1.71E-08
3210	491363.09	3846877.25	5.75E-05	5.84E-05	5.66E-05	1.99E-08	6.01E-08	3.48E-08	3.48E-08	3.20E-08	1.46E-08	1.42E-08	0.00E+00	0.00E+00	6.40E-09	1.18E-09	7.61E-09	1.17E-09	1.10E-09	1.75E-08
3211	491863.09	3846877.25	5.82E-05	5.91E-05	5.72E-05	2.01E-08	6.08E-08	3.52E-08	3.52E-08	3.24E-08	1.48E-08	1.43E-08	0.00E+00	0.00E+00	6.48E-09	1.20E-09	7.70E-09	1.19E-09	1.11E-09	1.77E-08
3212	492363.09	3846877.25	6.32E-05	6.41E-05	6.20E-05	2.19E-08	6.60E-08	3.82E-08	3.82E-08	3.52E-08	1.61E-08	1.55E-08	0.00E+00	0.00E+00	7.03E-09	1.30E-09	8.36E-09	1.29E-09	1.20E-09	1.92E-08
3213	492863.09	3846877.25	6.42E-05	6.53E-05	6.30E-05	2.22E-08	6.71E-08	3.89E-08	3.89E-08	3.58E-08	1.63E-08	1.58E-08	0.00E+00	0.00E+00	7.15E-09	1.32E-09	8.50E-09	1.31E-09	1.22E-09	1.95E-08
3214	493363.09	3846877.25	6.62E-05	6.73E-05	6.47E-05	2.29E-08	6.92E-08	4.00E-08	4.00E-08	3.69E-08	1.68E-08	1.62E-08	0.00E+00	0.00E+00	7.37E-09	1.36E-09	8.77E-09	1.35E-09	1.25E-09	2.01E-08
3215	493863.09	3846877.25	6.76E-05	6.88E-05	6.60E-05	2.34E-08	7.07E-08	4.09E-08	4.09E-08	3.77E-08	1.72E-08	1.65E-08	0.00E+00	0.00E+00	7.52E-09	1.39E-09	8.96E-09	1.38E-09	1.28E-09	2.05E-08
3216	494363.09	3846877.25	6.95E-05	7.08E-05	6.77E-05	2.41E-08	7.27E-08	4.21E-08	4.21E-08	3.88E-08	1.77E-08	1.70E-08	0.00E+00	0.00E+00	7.74E-09	1.43E-09	9.22E-09	1.42E-09	1.31E-09	2.11E-08
3217	494863.09	3846877.25	7.24E-05	7.37E-05	7.06E-05	2.51E-08	7.57E-08	4.38E-08	4.38E-08	4.04E-08	1.85E-08	1.77E-08	0.00E+00	0.00E+00	8.06E-09	1.49E-09	9.61E-09	1.48E-09	1.37E-09	2.20E-08
3218	495363.09	3846877.25	7.56E-05	7.69E-05	7.37E-05	2.62E-08	7.90E-08	4.57E-08	4.57E-08	4.22E-08	1.93E-08	1.85E-08	0.00E+00	0.00E+00	8.42E-09	1.55E-09	1.00E-08	1.55E-09	1.43E-09	2.30E-08
3219	495863.09	3846877.25	7.93E-05	8.07E-05	7.74E-05	2.75E-08	8.29E-08	4.80E-08	4.80E-08	4.43E-08	2.02E-08	1.94E-08	0.00E+00	0.00E+00	8.83E-09	1.63E-09	1.05E-08	1.62E-09	1.50E-09	2.41E-08
3220	496363.09	3846877.25	8.44E-05	8.59E-05	8.23E-05	2.92E-08	8.82E-08	5.11E-08	5.11E-08	4.71E-08	2.15E-08	2.06E-08	0.00E+00	0.00E+00	9.40E-09	1.73E-09	1.12E-08	1.73E-09	1.60E-09	2.56E-08
3221	496863.09	3846877.25	9.03E-05	9.20E-05	8.80E-05	3.13E-08	9.44E-08	5.47E-08	5.47E-08	5.04E-08	2.30E-08	2.20E-08	0.00E+00	0.00E+00	1.01E-08	1.86E-09	1.20E-08	1.85E-09	1.71E-09	2.74E-08
3222	497363.09	3846877.25	9.81E-05	9.99E-05	9.55E-05	3.40E-08	1.03E-07	5.94E-08	5.94E-08	5.48E-08	2.50E-08	2.39E-08	0.00E+00	0.00E+00	1.09E-08	2.01E-09	1.30E-08	2.01E-09	1.85E-09	2.98E-08
3223	497863.09	3846877.25	1.06E-04	1.08E-04	1.03E-04	3.67E-08	1.11E-07	6.42E-08	6.42E-08	5.92E-08	2.70E-08	2.58E-08	0.00E+00	0.00E+00	1.18E-08	2.18E-09	1.41E-08	2.17E-09	2.00E-09	3.22E-08
3224	498363.09	3846877.25	1.11E-04	1.13E-04	1.08E-04	3.85E-08	1.16E-07	6.72E-08	6.72E-08	6.20E-08	2.83E-08	2.70E-08	0.00E+00	0.00E+00	1.24E-08	2.28E-09	1.47E-08	2.27E-09	2.09E-09	3.38E-08
3225	471363.09	3847377.25	1.59E-04	1.62E-04	1.53E-04	5.49E-08	1.66E-07	9.59E-08	9.59E-08	8.90E-08	4.06E-08	3.83E-08	0.00E+00	0.00E+00	1.76E-08	3.26E-09	2.12E-08	3.26E-09	2.96E-09	4.83E-08
3226	471863.09	3847377.25	1.60E-04	1.64E-04	1.54E-04	5.53E-08	1.67E-07	9.67E-08	9.67E-08	8.98E-08	4.10E-08	3.85E-08	0.00E+00	0.00E+00	1.78E-08	3.28E-09	2.13E-08	3.29E-09	2.98E-09	4.87E-08
3227	472363.09	3847377.25	1.57E-04	1.61E-04	1.51E-04	5.43E-08	1.64E-07	9.49E-08	9.49E-08	8.81E-08	4.02E-08	3.78E-08	0.00E+00	0.00E+00	1.75E-08	3.22E-09	2.09E-08	3.23E-09	2.92E-09	4.78E-08
3228	472863.09	3847377.25	1.45E-04	1.48E-04	1.38E-04	5.00E-08	1.51E-07	8.75E-08	8.75E-08	8.13E-08	3.71E-08	3.46E-08	0.00E+00	0.00E+00	1.61E-08	2.97E-09	1.93E-08	2.98E-09	2.68E-09	4.40E-08
3229	473363.09	3847377.25	1.16E-04	1.20E-04	1.10E-04	4.03E-08	1.22E-07	7.04E-08	7.04E-08	6.56E-08	2.99E-08	2.76E-08	0.00E+00	0.00E+00	1.30E-08	2.39E-09	1.56E-08	2.40E-09	2.14E-09	3.55E-08
3230	473863.09	3847377.25	1.17E-04	1.20E-04	1.11E-04	4.05E-08	1.22E-07	7.07E-08	7.07E-08	6.59E-08	3.01E-08	2.78E-08	0.00E+00	0.00E+00	1.30E-08	2.40E-09	1.56E-08	2.41E-09	2.15E-09	3.56E-08
3231	474363.09	3847377.25	1.30E-04	1.33E-04	1.25E-04	4.51E-08	1.36E-07	7.87E-08	7.87E-08	7.32E-08	3.34E-08	3.12E-08	0.00E+00	0.00E+00	1.45E-08	2.67E-09	1.74E-08	2.68E-09	2.42E-09	3.97E-08
3232	474863.09	3847377.25	1.36E-04	1.39E-04	1.32E-04	4.71E-08	1.42E-07	8.23E-08	8.23E-08	7.63E-08	3.48E-08	3.30E-08	0.00E+00	0.00E+00	1.51E-08	2.79E-09	1.81E-08	2.80E-09	2.56E-09	4.14E-08
3233	475363.09	3847377.25	1.39E-04	1.42E-04	1.36E-04	4.80E-08	1.45E-07	8.40E-08	8.40E-08	7.77E-08	3.54E-08	3.40E-08	0.00E+00	0.00E+00	1.55E-08	2.85E-09	1.85E-08	2.85E-09	2.63E-09	4.22E-08
3234	475863.09	3847377.25	1.58E-04	1.61E-04	1.54E-04	5.46E-08	1.65E-07	9.54E-08	9.54E-08	8.83E-08	4.03E-08	3.86E-08	0.00E+00	0.00E+00	1.76E-08	3.24E-09	2.10E-08	3.23E-09	2.99E-09	4.80E-08
3235	476363.09	3847377.25	1.75E-04	1.79E-04	1.69E-04	6.05E-08	1.83E-07	1.06E-07	1.06E-07	9.81E-08	4.48E-08	4.23E-08	0.00E+00	0.00E+00	1.95E-08	3.59E-09	2.33E-08	3.60E-09	3.27E-09	5.32E-08
3236	476863.09	3847377.25	1.68E-04	1.74E-04	1.58E-04	5.83E-08	1.76E-07	1.02E-07	1.02E-07	9.52E-08	4.35E-08	3.95E-08	0.00E+00	0.00E+00	1.87E-08	3.46E-09	2.26E-08	3.49E-09	3.06E-09	5.14E-08
3237	477363.09	3847377.25	1.60E-04	1.66E-04	1.49E-04	5.55E-08	1.68E-07	9.70E-08	9.70E-08	9.09E-08	4.15E-08	3.72E-08	0.00E+00	0.00E+00	1.78E-08	3.29E-09	2.16E-08	3.33E-09	2.88E-09	4.89E-08
3238	477863.09	3847377.25	1.43E-04	1.48E-04	1.32E-04	4.95E-08	1.49E-07	8.65E-08	8.65E-08	8.12E-08	3.71E-08	3.30E-08	0.00E+00	0.00E+00	1.59E-08	2.94E-09	1.93E-08	2.98E-09	2.55E-09	4.37E-08
3239	478363.09	3847377.25	1.37E-04	1.41E-04	1.28E-04	4.75E-08	1.43E-07	8.29E-08	8.29E-08	7.76E-08	3.54E-08	3.20E-08	0.00E+00	0.00E+00	1.53E-08	2.82E-09	1.84E-08	2.84E-09	2.48E-09	4.18E-08
3240	478863.09	3847377.25	1.35E-04	1.38E-04	1.29E-04	4.67E-08	1.41E-07	8.16E-08	8.16E-08	7.59E-08	3.46E-08	3.23E-08	0.00E+00	0.00E+00	1.50E-08	2.77E-09	1.80E-08	2.78E-09	2.50E-09	4.11E-08
3241	479363.09	3847377.25	1.13E-04	1.16E-04	1.07E-04	3.91E-08	1.18E-07	6.84E-08	6.84E-08	6.37E-08	2.90E-08	2.68E-08	0.00E+00	0.00E+00	1.26E-08	2.32E-09	1.51E-08	2.33E-09	2.07E-09	3.44E-08
3242	479863.09	3847377.25	8.98E-05	9.21E-05	8.59E-05	3.11E-08	9.39E-08	5.44E-08	5.44E-08	5.05E-08	2.30E-08	2.15E-08	0.00E+00	0.00E+00	1.00E-08	1.85E-09	1.20E-08	1.85E-09	1.66E-09	2.74E-08
3243	480363.09	3847377.25	7.53E-05	7.68E-05	7.31E-05	2.61E-08	7.87E-08	4.55E-08	4.55E-08	4.21E-08	1.92E-08	1.83E-08	0.00E+00	0.00E+00	8.38E-09	1.55E-09	1.00E-08	1.54E-09	1.42E-09	2.29E-08
3244	480863.09	3847377.25	7.23E-05	7.37E-05	7.03E-05	2.50E-08	7.56E-08	4.38E-08	4.38E-08	4.04E-08	1.84E-08	1.76E-08	0.00E+00	0.00E+00	8.05E-09	1.49E-09	9.61E-09	1.48E-09	1.36E-09	2.20E-08
3245	481363.09	3847377.25	7.50E-05	7.66E-05	7.27E-05	2.60E-08	7.84E-08	4.54E-08	4.54E-08	4.20E-08	1.92E-08	1.82E-08	0.00E+00	0.00E+00	8.35E-09	1.54E-09	9.98E-09	1.54E-09	1.41E-09	2.28E-08
3246	481863.09	3847377.25	8.32E-05	8.50E-05	8.04E-05	2.88E-08	8.69E-08	5.03E-08	5.03E-08	4.66E-08	2.13E-08	2.01E-08	0.00E+00	0.00E+00	9.26E-09	1.71E-09	1.11E-08	1.71E-09	1.56E-09	2.53E-08
3247	482363.09	3847377.25	8.12E-05	8.28E-05	7.87E-05	2.81E-08	8.49E-08	4.91E-08	4.91E-08	4.54E-08	2.07E-08	1.97E-08	0.00E+00	0.00E+00	9.04E-09	1.67E-09	1.08E-08	1.66E-09	1.53E-09	2.47E-08
3248	482863.09	3847377.25	7.89E-05	8.05E-05	7.65E-05	2.73E-08	8.25E-08	4.77E-08	4.77E-08	4.41E-08	2.01E-08	1.92E-08	0.00E+00	0.00E+00	8.78E-09	1.62E-09	1.05E-08	1.62E-09	1.48E-09	2.40E-08

3249	483363.09	3847377.25	7.71E-05	7.85E-05	7.48E-05	2.67E-08	8.05E-08	4.66E-08	4.66E-08	4.31E-08	1.97E-08	1.87E-08	0.00E+00	0.00E+00	8.58E-09	1.58E-09	1.02E-08	1.58E-09	1.45E-09	2.34E-08
3250	483863.09	3847377.25	7.79E-05	7.94E-05	7.56E-05	2.70E-08	8.14E-08	4.71E-08	4.71E-08	4.36E-08	1.99E-08	1.89E-08	0.00E+00	0.00E+00	8.67E-09	1.60E-09	1.03E-08	1.60E-09	1.47E-09	2.37E-08
3251	484363.09	3847377.25	8.04E-05	8.19E-05	7.82E-05	2.78E-08	8.41E-08	4.87E-08	4.87E-08	4.49E-08	2.05E-08	1.96E-08	0.00E+00	0.00E+00	8.95E-09	1.65E-09	1.07E-08	1.65E-09	1.52E-09	2.44E-08
3252	484863.09	3847377.25	7.98E-05	8.12E-05	7.77E-05	2.76E-08	8.34E-08	4.83E-08	4.83E-08	4.45E-08	2.03E-08	1.94E-08	0.00E+00	0.00E+00	8.88E-09	1.64E-09	1.06E-08	1.63E-09	1.51E-09	2.42E-08
3253	485363.09	3847377.25	7.77E-05	7.91E-05	7.57E-05	2.69E-08	8.12E-08	4.70E-08	4.70E-08	4.34E-08	1.98E-08	1.90E-08	0.00E+00	0.00E+00	8.65E-09	1.60E-09	1.03E-08	1.59E-09	1.47E-09	2.36E-08
3254	485863.09	3847377.25	7.40E-05	7.53E-05	7.22E-05	2.56E-08	7.73E-08	4.48E-08	4.48E-08	4.13E-08	1.88E-08	1.81E-08	0.00E+00	0.00E+00	8.24E-09	1.52E-09	9.81E-09	1.51E-09	1.40E-09	2.25E-08
3255	486363.09	3847377.25	7.16E-05	7.28E-05	7.00E-05	2.48E-08	7.49E-08	4.33E-08	4.33E-08	3.99E-08	1.82E-08	1.75E-08	0.00E+00	0.00E+00	7.97E-09	1.47E-09	9.49E-09	1.46E-09	1.36E-09	2.18E-08
3256	486863.09	3847377.25	6.74E-05	6.85E-05	6.60E-05	2.33E-08	7.04E-08	4.08E-08	4.08E-08	3.76E-08	1.71E-08	1.65E-08	0.00E+00	0.00E+00	7.50E-09	1.38E-09	8.92E-09	1.38E-09	1.28E-09	2.05E-08
3257	487363.09	3847377.25	6.56E-05	6.67E-05	6.42E-05	2.27E-08	6.85E-08	3.97E-08	3.97E-08	3.66E-08	1.67E-08	1.61E-08	0.00E+00	0.00E+00	7.30E-09	1.35E-09	8.69E-09	1.34E-09	1.24E-09	1.99E-08
3258	487863.09	3847377.25	6.27E-05	6.38E-05	6.14E-05	2.17E-08	6.56E-08	3.80E-08	3.80E-08	3.50E-08	1.60E-08	1.54E-08	0.00E+00	0.00E+00	6.98E-09	1.29E-09	8.31E-09	1.28E-09	1.19E-09	1.91E-08
3259	488363.09	3847377.25	6.34E-05	6.44E-05	6.21E-05	2.19E-08	6.62E-08	3.83E-08	3.83E-08	3.53E-08	1.61E-08	1.55E-08	0.00E+00	0.00E+00	7.05E-09	1.30E-09	8.39E-09	1.29E-09	1.20E-09	1.92E-08
3260	488863.09	3847377.25	6.53E-05	6.63E-05	6.40E-05	2.26E-08	6.82E-08	3.95E-08	3.95E-08	3.63E-08	1.66E-08	1.60E-08	0.00E+00	0.00E+00	7.26E-09	1.34E-09	8.64E-09	1.33E-09	1.24E-09	1.98E-08
3261	489363.09	3847377.25	6.68E-05	6.78E-05	6.56E-05	2.31E-08	6.98E-08	4.04E-08	4.04E-08	3.72E-08	1.70E-08	1.64E-08	0.00E+00	0.00E+00	7.44E-09	1.37E-09	8.84E-09	1.36E-09	1.27E-09	2.03E-08
3262	489863.09	3847377.25	6.60E-05	6.69E-05	6.49E-05	2.28E-08	6.90E-08	3.99E-08	3.99E-08	3.67E-08	1.68E-08	1.62E-08	0.00E+00	0.00E+00	7.34E-09	1.35E-09	8.72E-09	1.35E-09	1.26E-09	2.00E-08
3263	490363.09	3847377.25	6.33E-05	6.43E-05	6.23E-05	2.19E-08	6.62E-08	3.83E-08	3.83E-08	3.52E-08	1.61E-08	1.56E-08	0.00E+00	0.00E+00	7.05E-09	1.30E-09	8.37E-09	1.29E-09	1.21E-09	1.92E-08
3264	490863.09	3847377.25	6.40E-05	6.50E-05	6.30E-05	2.22E-08	6.69E-08	3.87E-08	3.87E-08	3.57E-08	1.63E-08	1.58E-08	0.00E+00	0.00E+00	7.13E-09	1.32E-09	8.47E-09	1.31E-09	1.22E-09	1.94E-08
3265	491363.09	3847377.25	6.50E-05	6.60E-05	6.38E-05	2.25E-08	6.79E-08	3.93E-08	3.93E-08	3.62E-08	1.65E-08	1.60E-08	0.00E+00	0.00E+00	7.23E-09	1.33E-09	8.60E-09	1.33E-09	1.24E-09	1.97E-08
3266	491863.09	3847377.25	6.87E-05	6.98E-05	6.74E-05	2.38E-08	7.19E-08	4.16E-08	4.16E-08	3.83E-08	1.75E-08	1.69E-08	0.00E+00	0.00E+00	7.65E-09	1.41E-09	9.10E-09	1.40E-09	1.31E-09	2.09E-08
3267	492363.09	3847377.25	6.94E-05	7.06E-05	6.80E-05	2.40E-08	7.26E-08	4.20E-08	4.20E-08	3.87E-08	1.77E-08	1.70E-08	0.00E+00	0.00E+00	7.73E-09	1.43E-09	9.20E-09	1.42E-09	1.32E-09	2.11E-08
3268	492863.09	3847377.25	7.14E-05	7.26E-05	6.98E-05	2.47E-08	7.46E-08	4.32E-08	4.32E-08	3.98E-08	1.82E-08	1.75E-08	0.00E+00	0.00E+00	7.94E-09	1.47E-09	9.46E-09	1.46E-09	1.35E-09	2.17E-08
3269	493363.09	3847377.25	7.22E-05	7.35E-05	7.04E-05	2.50E-08	7.55E-08	4.37E-08	4.37E-08	4.03E-08	1.84E-08	1.76E-08	0.00E+00	0.00E+00	8.04E-09	1.48E-09	9.58E-09	1.48E-09	1.37E-09	2.19E-08
3270	493863.09	3847377.25	7.30E-05	7.43E-05	7.11E-05	2.53E-08	7.63E-08	4.41E-08	4.41E-08	4.07E-08	1.86E-08	1.78E-08	0.00E+00	0.00E+00	8.12E-09	1.50E-09	9.68E-09	1.49E-09	1.38E-09	2.22E-08
3271	494363.09	3847377.25	7.50E-05	7.63E-05	7.31E-05	2.60E-08	7.84E-08	4.54E-08	4.54E-08	4.19E-08	1.91E-08	1.83E-08	0.00E+00	0.00E+00	8.35E-09	1.54E-09	9.95E-09	1.53E-09	1.42E-09	2.28E-08
3272	494863.09	3847377.25	7.78E-05	7.92E-05	7.59E-05	2.69E-08	8.13E-08	4.71E-08	4.71E-08	4.34E-08	1.98E-08	1.90E-08	0.00E+00	0.00E+00	8.66E-09	1.60E-09	1.03E-08	1.59E-09	1.47E-09	2.36E-08
3273	495363.09	3847377.25	8.14E-05	8.28E-05	7.94E-05	2.82E-08	8.51E-08	4.93E-08	4.93E-08	4.54E-08	2.07E-08	1.99E-08	0.00E+00	0.00E+00	9.06E-09	1.67E-09	1.08E-08	1.67E-09	1.54E-09	2.47E-08
3274	495863.09	3847377.25	8.64E-05	8.80E-05	8.43E-05	2.99E-08	9.04E-08	5.23E-08	5.23E-08	4.83E-08	2.20E-08	2.11E-08	0.00E+00	0.00E+00	9.62E-09	1.78E-09	1.15E-08	1.77E-09	1.63E-09	2.63E-08
3275	496363.09	3847377.25	9.19E-05	9.35E-05	8.96E-05	3.18E-08	9.60E-08	5.56E-08	5.56E-08	5.13E-08	2.34E-08	2.24E-08	0.00E+00	0.00E+00	1.02E-08	1.89E-09	1.22E-08	1.88E-09	1.74E-09	2.79E-08
3276	496863.09	3847377.25	9.87E-05	1.01E-04	9.61E-05	3.42E-08	1.03E-07	5.97E-08	5.97E-08	5.51E-08	2.52E-08	2.40E-08	0.00E+00	0.00E+00	1.10E-08	2.03E-09	1.31E-08	2.02E-09	1.86E-09	3.00E-08
3277	497363.09	3847377.25	1.08E-04	1.10E-04	1.05E-04	3.75E-08	1.13E-07	6.55E-08	6.55E-08	6.05E-08	2.76E-08	2.63E-08	0.00E+00	0.00E+00	1.20E-08	2.22E-09	1.44E-08	2.22E-09	2.04E-09	3.29E-08
3278	497863.09	3847377.25	1.20E-04	1.22E-04	1.16E-04	4.15E-08	1.25E-07	7.25E-08	7.25E-08	6.70E-08	3.05E-08	2.91E-08	0.00E+00	0.00E+00	1.33E-08	2.46E-09	1.59E-08	2.45E-09	2.25E-09	3.64E-08
3279	498363.09	3847377.25	1.26E-04	1.29E-04	1.22E-04	4.37E-08	1.32E-07	7.64E-08	7.64E-08	7.06E-08	3.22E-08	3.06E-08	0.00E+00	0.00E+00	1.41E-08	2.59E-09	1.68E-08	2.59E-09	2.37E-09	3.84E-08
3280	471363.09	3847877.25	1.70E-04	1.74E-04	1.63E-04	5.88E-08	1.78E-07	1.03E-07	1.03E-07	9.55E-08	4.36E-08	4.09E-08	0.00E+00	0.00E+00	1.89E-08	3.49E-09	2.27E-08	3.50E-09	3.17E-09	5.17E-08
3281	471863.09	3847877.25	1.73E-04	1.77E-04	1.67E-04	5.98E-08	1.81E-07	1.05E-07	1.05E-07	9.70E-08	4.43E-08	4.17E-08	0.00E+00	0.00E+00	1.92E-08	3.55E-09	2.31E-08	3.56E-09	3.23E-09	5.26E-08
3282	472363.09	3847877.25	1.74E-04	1.78E-04	1.68E-04	6.03E-08	1.82E-07	1.05E-07	1.05E-07	9.78E-08	4.46E-08	4.20E-08	0.00E+00	0.00E+00	1.94E-08	3.58E-09	2.32E-08	3.59E-09	3.25E-09	5.30E-08
3283	472863.09	3847877.25	1.71E-04	1.76E-04	1.65E-04	5.93E-08	1.79E-07	1.04E-07	1.04E-07	9.63E-08	4.39E-08	4.12E-08	0.00E+00	0.00E+00	1.91E-08	3.52E-09	2.29E-08	3.53E-09	3.19E-09	5.22E-08
3284	473363.09	3847877.25	1.67E-04	1.71E-04	1.60E-04	5.78E-08	1.74E-07	1.01E-07	1.01E-07	9.39E-08	4.28E-08	4.01E-08	0.00E+00	0.00E+00	1.86E-08	3.43E-09	2.23E-08	3.44E-09	3.10E-09	5.08E-08
3285	473863.09	3847877.25	1.53E-04	1.57E-04	1.46E-04	5.31E-08	1.60E-07	9.28E-08	9.28E-08	8.64E-08	3.94E-08	3.66E-08	0.00E+00	0.00E+00	1.71E-08	3.15E-09	2.05E-08	3.16E-09	2.84E-09	4.67E-08
3286	474363.09	3847877.25	1.32E-04	1.35E-04	1.25E-04	4.55E-08	1.38E-07	7.96E-08	7.96E-08	7.42E-08	3.38E-08	3.12E-08	0.00E+00	0.00E+00	1.46E-08	2.70E-09	1.76E-08	2.72E-09	2.42E-09	4.01E-08
3287	474863.09	3847877.25	1.46E-04	1.50E-04	1.40E-04	5.07E-08	1.53E-07	8.86E-08	8.86E-08	8.24E-08	3.76E-08	3.51E-08	0.00E+00	0.00E+00	1.63E-08	3.01E-09	1.96E-08	3.02E-09	2.72E-09	4.46E-08
3288	475363.09	3847877.25	1.50E-04	1.54E-04	1.45E-04	5.19E-08	1.57E-07	9.08E-08	9.08E-08	8.42E-08	3.84E-08	3.63E-08	0.00E+00	0.00E+00	1.67E-08	3.08E-09	2.00E-08	3.09E-09	2.81E-09	4.57E-08
3289	475863.09	3847877.25	1.51E-04	1.55E-04	1.48E-04	5.24E-08	1.58E-07	9.16E-08	9.16E-08	8.47E-08	3.87E-08	3.70E-08	0.00E+00	0.00E+00	1.69E-08	3.11E-09	2.01E-08	3.11E-09	2.87E-09	4.61E-08
3290	476363.09	3847877.25	1.89E-04	1.92E-04	1.85E-04	6.53E-08	1.97E-07	1.14E-07	1.14E-07	1.05E-07	4.81E-08	4.62E-08	0.00E+00	0.00E+00	2.10E-08	3.87E-09	2.51E-08	3.86E-09	3.58E-09	5.74E-08
3291	476863.09	3847877.25	1.91E-04	1.95E-04	1.84E-04	6.60E-08	1.99E-07	1.15E-07	1.15E-07	1.07E-07	4.89E-08	4.61E-08	0.00E+00	0.00E+00	2.12E-08	3.92E-09	2.54E-08	3.92E-09	3.57E-09	5.81E-08
3292	477363.09	3847877.25	1.91E-04	1.97E-04	1.79E-04	6.60E-08	1.99E-07	1.15E-07	1.15E-07	1.08E-07	4.92E-08	4.47E-08	0.00E+00	0.00E+00	2.12E-08	3.92E-09	2.56E-08	3.95E-09	3.46E-09	5.82E-08
3293	477863.09	3847877.25	1.75E-04	1.82E-04	1.62E-04	6.07E-08	1.83E-07	1.06E-07	1.06E-07	9.96E-08	4.54E-08	4.06E-08	0.00E+00	0.00E+00	1.95E-08	3.60E-09	2.37E-08	3.65E-09	3.14E-09	5.36E-08
3294	478363.09	3847877.25	1.59E-04	1.65E-04	1.46E-04	5.51E-08	1.66E-07	9.63E-08	9.63E-08	9.04E-08	4.13E-08	3.66E-08	0.00E+00	0.00E+00	1.77E-08	3.27E-09	2.15E-08	3.31E-09	2.83E-09	4.86E-08
3295	478863.09	3847877.25	1.52E-04	1.56E-04	1.42E-04	5.24E-08	1.58E-07	9.17E-08	9.17E-08	8.57E-08	3.91E-08	3.55E-08	0.00E+00	0.00E+00	1.69E-08	3.11E-09	2.04E-08	3.14E-09	2.75E-09	4.62E-08
3296	479363.09	3847877.25	1.15E-04	1.18E-04	1.09E-04	3.98E-08	1.20E-07	6.95E-08	6.95E-08	6.46E-08	2.95E-08	2.74E-08	0.00E+00	0.00E+00	1.28E-08	2.36E-09	1.54E-08	2.37E-09	2.12E-09	3.50E-08
3297	479863.09	3847877.25	8.29E-05	8.47E-05	7.97E-05	2.87E-08	8.66E-08	5.01E-08	5.01E-08	4.65E-08	2.12E-08	1.99E-08	0.00E+00	0.00E+00	9.22E-09	1.70E-09	1.10E-08	1.70E-09	1.54E-09	2.52E-08
3298	480363.09	3847877.25	8.40E-05	8.59E-05	8.11E-05	2.91E-08	8.78E-08	5.08E-08	5.08E-08	4.71E-08	2.15E-08	2.03E-08	0.00E+00	0.00E+00	9.35E-09	1.73E-09	1.12E-08	1.73E-09	1.57E-09	2.56E-08
3299	480863.09	3847877.25	8.02E-05	8.18E-05	7.77E-05	2.78E-08	8.38E-08	4.85E-08	4.85E-08	4.49E-08	2.05E-08	1.95E-08	0.00E+00	0.00E+00	8.93E-09	1.65E-09	1.07E-08	1.64E-09	1.51E-09	2.44E-08
3300	481363.09	3847877.25	8.07E-05	8.24E-05	7.81E-05	2.79E-08	8.44E-08	4.88E-08	4.88E-08	4.52E-08	2.06E-08	1.95E-08	0.00E+00	0.00E+00	8.99E-09	1.66E-09	1.07E-08	1.66E-09	1.51E-09	2.46E-08
3301	481863.09	3847877.25	9.39E-05	9.61E-05	9.01E-05	3.25E-08	9.81E-08	5.68E-08	5.68E-08	5.27E-08	2.40E-08	2.26E-08	0.00E+00	0.00E+00	1.05E-08	1.93E-09	1.25E-08	1.93E-09	1.75E-09	2.86E-08
3302	482363.09	3847877.25	9.02E-05	9.22E-05	8.71E-05	3.12E-08	9.43E-08	5.46E-08	5.46E-08	5.05E-08	2.31E-08	2.18E-08	0.00E+00	0.00E+00	1.00E-08	1.85E-09	1.20E-08	1.85E-09	1.69E-09	2.74E-08
3303	482863.09	3847877.25	8.52E-05	8.69E-05	8.24E-05	2.95E-08	8.90E-08	5.15E-08	5.15E-08	4.77E-08	2.18E-08	2.06E-08	0.00E+00	0.00E+00	9.48E-09	1.75E-09	1.13E-08	1.75E-09	1.60E-09	2.59E-08
3304	483363.09	3847877.25	8.40E-05	8.57E-05	8.14E-05	2.91E-08	8.78E-08	5.09E-08	5.09E-08	4.70E-08	2.15E-08	2.04E-08	0.00E+00	0.00E+00	9.36E-09	1.73E-09	1.12E-08	1.72E-09	1.58E-09	2.56E-08
3305	483863.09	3847877.25	8.49E-05	8.66E-05	8.20E-05	2.94E-08	8.87E-08	5.14E-08	5.14E-08	4.75E-08	2.17E-08	2.05E-08	0.00E+00	0.00E+00	9.45E-09	1.74E-09	1.13E-08	1.74E-09	1.59E-09	2.58E-08
3306	484363.09	3847877.25	8.71E-05	8.87E-05	8.44E-05	3.01E-08	9.10E-08	5.27E-08	5.27E-08	4.87E-08	2.22E-08	2.11E-08	0.00E+00	0.00E+00	9.69E-09	1.79E-09	1.16E-08	1.78E-09	1.64E-09	2.65E-08
3307	484863.09	3847877.25	8.85E-05	9.01E-05	8.59E-05	3.06E-08	9.25E-08	5.35E-08	5.35E-08	4.94E-08	2.25E-08	2.15E-08	0.00E+00	0.00E+00	9.85E-09	1.82E-09	1.17E-08	1.81E-09	1.67E-09	2.69E-08
3308	485363.09	3847877.25	8.83E-05	8.99E-05	8.57E-05	3.05E-08	9.22E-08	5.34E-08	5.34E-08	4.93E-08	2.25E-08	2.15E-08	0.00E+00	0.00E+00	9.82E-09	1.81E-09	1.17E-08	1.81E-09	1.66E-09	2.68E-08
3309	485863.09	3847877.25	8.43E-05	8.58E-05	8.20E-05	2.92E-08	8.81E-08	5.10E-08	5.10E-08	4.71E-08	2.15E-08	2.05E-08	0.00E+00	0.00E+00	9.38E-09	1.73E-09	1.12E-08	1.72E-09	1.59E-09	2.56E-08
3310	486363.09	3847877.25	7.79E-05	7.92E-05	7.60E-05	2.70E-08	8.14E-08	4.71E-08	4.71E-08	4.35E-08	1.98E-08	1.90E-08	0.00E+00	0.00E+00	8.67E-09	1.60E-09	1.03E-08	1.59E-09	1.47E-09	2.37E-08
3311	486863.09	3847877.25	7.49E-05	7.62E-05	7.32E-05	2.59E-08	7.82E-08	4.53E-08	4.53E-08	4.18E-08	1.91E-08	1.83E-08	0.00E+00	0.00E+00	8.33E-09	1.54E-09	9.93E-09	1.53E-09	1.42E-09	2.27E-08
3312	487363.09	3847877.25	7.10E-05	7.23E-05	6.93E-05	2.46E-08	7.42E-08	4.30E-08	4.30E-08	3.96E-08	1.81E-08	1.74E-08	0.00E+00	0.00E+00	7.90E-09	1.46E-09	9.42E-09	1.45E-09	1.34E-09	2.16E-08
3313	487863.09	3847877.25	6.84E-05	6.96E-05	6.68E-05	2.37E-08	7.15E-08	4.14E-08	4.14E-08	3.82E-08	1.74E-08	1.67E-08	0.00E+00	0.00E+00	7.61E-09	1.40E-09	9.07E-09	1.40E-09	1.30E-09	2.08E-08
3314	488363.09	3847877.25	6.94E-05	7.05E-05	6.79E-05	2.40E-08	7.25E-08	4.20E-08	4.20E-08	3.87E-08	1.76E-08	1.70E-08	0.00E+00	0.00E+00	7.72E-09	1.42E-09	9.19E-09	1.42E-09	1.32E-09	2.11E-08
3315	488863.09	3847877.25	7.21E-05	7.32E-05	7.07E-05	2.50E-08	7.54E-08	4.36E-08	4.36E-08	4.02E-08	1.83E-08	1.77E-08	0.00E+00	0.00E+00	8.03E-09	1.48E-09	9.55E-09	1.47E-09	1.37E-09	2.19E-08
3316	489363.09	3847877.25	7.36E-05	7.48E-05	7.22E-05	2.55E-08	7.70E-08	4.45E-08	4.45E-08	4.10E-08	1.87E-08	1.81E-08	0.00E+00	0.00E+00	8.20E-09	1.51E-09	9.74E-09	1.50E-09	1.40E-09	2.24E-08
3317	489863.09	3847877.25	7.57E-05	7.69E-05	7.43E-05	2.62E-08	7.91E-08	4.58E-08	4.58E-08	4.22E-08	1.92E-08	1.86E-08	0.00E+00	0.00E+00	8.43E-09	1.55E-09	1.00E-08	1.55E-09	1.44E-09	2.30E-08
3318	490363.09	3847877.25	7.50E-05	7.62E-05	7.36E-05	2.60E-08	7.84E-08	4.54E-08	4.54E-08	4.18E-08	1.91E-08	1.84E-08	0.00E+00	0.00E+00	8.35E-09	1.54E-09	9.93E-09	1.53E-09	1.43E-09	2.28E-08
3319	490863.09	3847877.25	7.46E-05	7.58E-05	7.31E-05	2.58E-08	7.80E-08	4.51E-08	4.51E-08	4.16E-08	1.90E-08	1.83E-08	0.00E+00	0.00E+00	8.31E-09	1.53E-09	9.88E-09	1.52E-09	1.42E-09	2.27E-08
3320	491363.09	3847877.25	7.47E-05	7.59E-05	7.31E-05	2.58E-08	7.80E-08	4.52E-08	4.52E-08	4.16E-08	1.90E-08	1.83E-08	0.00E+00	0.00E+00	8.31E-09	1.53E-09	9.89E-09	1.53E-09	1.42E-09	2.27E-08
3321	491863.09	3847877.25	7.63E-05	7.76E-05	7.46E-05	2.64E-08	7.98E-08	4.62E-08	4.62E-08	4.25E-08	1.94E-08	1.87E-08	0.00E+00	0.00E+00	8.49E-09	1.57E-09	1.01E-08	1.56E-09	1.45E-09	2.32E-08
3322	492363.09	3847877.25	7.80E-05	7.93E-05	7.62E-05	2.70E-08	8.15E-08	4.72E-08	4.72E-08	4.35E-08	1.99E-08	1.91E-08	0.00E+00	0.00E+00	8.68E-09	1.60E-09	1.03E-08	1.59E-09	1.48E-09	2.37E-08
3323	492863.09	3847877.25	7.84E-05	7.98E-05	7.64E-05	2.71E-08	8.20E-08	4.74E-08	4.74E-08	4.38E-08	2.00E-08	1.91E-08	0.00E+00	0.00E+00	8.73E-09	1.61E-09	1.04E-08	1.60E-09	1.48E-09	2.38E-08
3324	493363.09	3847877.25	7.74E-05	7.88E-05	7.54E-05	2.68E-08	8.09E-08	4.68E-08	4.68E-08	4.32E-08	1.97E-08	1.89E-08	0.00E+00	0.00E+00	8.62E-09	1.59E-09	1.03E-08	1.58E-09	1.46E-09	2.35E-08
3325	493863.09	3847877.25	7.80E-05	7.94E-05	7.60E-05	2.70E-08	8.15E-08	4.72E-08	4.72E-08	4.35E-08	1.99E-08	1.90E-08	0.00E+00	0.00E+00	8.68E-09	1.60E-09	1.03E-08	1.60E-09	1.47E-09	2.37E-08
3326	494363.09	3847877.25	8.03E-05	8.18E-05	7.83E-05	2.78E-08	8.40E-08	4.86E-08	4.86E-08	4.48E-08	2.05E-08	1.96E-08	0.00E+00	0.00E+00	8.94E-09	1.65E-09	1.07E-08	1.64E-09	1.52E-09	2.44E-08
3327	494863.09	3847877.25	8.41E-05	8.56E-05	8.21E-05	2.91E-08	8.80E-08	5.09E-08	5.09E-08	4.70E-08	2.14E-08	2.06E-08	0.00E+00	0.00E+00	9.37E-09	1.73E-09	1.12E-08	1.72E-09	1.59E-09	2.56E-08
3328	495363.09	3847877.25	8.77E-05	8.92E-05	8.56E-05	3.03E-08	9.16E-08	5.30E-08	5.30E-08	4.89E-08	2.23E-08	2.14E-08	0.00E+00	0.00E+00	9.76E-09	1.80E-09	1.16E-08	1.79E-09	1.66E-09	2.66E-08
3329	495863.09	3847877.25	8.73E-05	8.88E-05	8.52E-05	3.02E-08	9.12E-08	5.28E-08	5.28E-08	4.87E-08	2.22E-08	2.13E-08	0.00E+00	0.00E+00	9.71E-09	1.79E-09	1.16E-08	1.78E-09	1.65E-09	2.65E-08
3330	496363.09	3847877.25	9.97E-05	1.02E-04	9.71E-05	3.45E-08	1.04E-07	6.04E-08	6.04E-08	5.57E-08	2.54E-08	2.43E-08	0.00E+00	0.00E+00	1.11E-08	2.05E-09	1.32E-08	2.04E-09	1.88E-09	3.03E-08
3331	496863.09	3847877.25	1.08E-04	1.10E-04	1.05E-04	3.74E-08	1.13E-07	6.53E-08	6.53E-08	6.03E-08	2.75E-08	2.63E-08	0.00E+00	0.00E+00	1.20E-08	2.22E-09	1.43E-08	2.21E-09	2.03E-09	3.28E-08
3332	497363.09	3847877.25	1.18E-04	1.20E-04	1.15E-04	4.09E-08	1.23E-07	7.14E-08	7.14E-08	6.60E-08	3.01E-08	2.87E-08	0.00E+00	0.00E+00	1.31E-08	2.42E-09	1.57E-08	2.42E-09	2.22E-09	3.59E-08
3333	497863.09	3847877.25	1.35E-04	1.38E-04	1.31E-04	4.68E-08	1.41E-07	8.18E-08	8.18E-08	7.56E-08	3.45E-08	3.27E-08	0.00E+00	0.00E+00	1.50E-08	2.78E-09	1.80E-08	2.77E-09	2.54E-09	4.11E-08
3334	498363.09	3847877.25	1.44E-04	1.47E-04	1.40E-04	5.00E-08	1.51E-07	8.73E-08	8.73E-08	8.08E-08	3.69E-08	3.49E-08	0.00E+00	0.00E+00	1.61E-08	2.96E-09	1.92E-08	2.96E-09	2.70E-09	4.39E-08
3335	471363.09	3848377.25	1.82E-04	1.86E-04	1.75E-04	6.29E-08	1.90E-07	1.10E-07	1.10E-07	1.02E-07	4.65E-08	4.39E-08	0.00E+00	0.00E+00	2.02E-08	3.73E-09	2.42E-08	3.74E-09	3.40E-09	5.53E-08
3336	471863.09	3848377.25	1.84E-04	1.89E-04	1.77E-04	6.38E-08	1.93E-07	1.12E-07	1.12E-07	1.04E-07	4.73E-08	4.44E-08	0.00E+00	0.00E+00	2.05E-08	3.78E-09	2.46E-08	3.80E-09	3.43E-09	5.61E-08
3337	472363.09	3848377.25	1.86E-04	1.90E-04	1.79E-04	6.43E-08	1.94E-07	1.12E-07	1.12E-07	1.04E-07	4.76E-08	4.47E-08	0.00E+00	0.00E+00	2.07E-08	3.81E-09	2.48E-08	3.82E-09	3.46E-09	5.66E-08
3338	472863.09	3848377.25	1.89E-04	1.93E-04	1.82E-04	6.53E-08	1.97E-07	1.14E-07	1.14E-07	1.06E-07	4.84E-08	4.55E-08	0.00E+00	0.00E+00	2.10E-08	3.88E-09	2.52E-08	3.89E-09	3.52E-09	5.75E-08
3339	473363.09	3848377.25	1.87E-04	1.91E-04	1.80E-04	6.47E-08	1.95E-07	1.13E-07	1.13E-07	1.05E-07	4.79E-08	4.49E-08	0.00E+00	0.00E+00	2.08E-08	3.84E-09	2.50E-08	3.85E-09	3.48E-09	5.69E-08
3340	473863.09	3848377.25	1.83E-04	1.87E-04	1.75E-04	6.32E-08	1.91E-07	1.11E-07	1.11E-07	1.03E-07	4.69E-08	4.38E-08	0.00E+00	0.00E+00	2.03E-08	3.75E-09	2.44E-08	3.77E-09	3.39E-09	5.57E-08
3341	474363.09	3848377.25	1.72E-04	1.76E-04	1.64E-04	5.94E-08	1.79E-07	1.04E-07	1.04E-07	9.66E-08	4.41E-08	4.10E-08	0.00E+00	0.00E+00	1.91E-08	3.52E-09	2.30E-08	3.54E-09	3.17E-09	5.23E-08
3342	474863.09	3848377.25	1.51E-04	1.55E-04	1.43E-04	5.21E-08	1.57E-07	9.12E-08	9.12E-08	8.50E-08	3.88E-08	3.58E-08	0.00E+00	0.00E+00	1.68E-08	3.09E-09	2.02E-08	3.11E-09	2.77E-09	4.59E-08
3343	475363.09	3848377.25	1.74E-04	1.78E-04	1.67E-04	6.03E-08	1.82E-07	1.05E-07	1.05E-07	9.79E-08	4.47E-08	4.18E-08	0.00E+00	0.00E+00	1.94E-08	3.57E-09	2.33E-08	3.59E-09	3.24E-09	5.30E-08
3344	475863.09	3848377.25	1.74E-04	1.78E-04	1.68E-04	6.01E-08	1.81E-07	1.05E-07	1.05E-07	9.75E-08	4.45E-08	4.20E-08	0.00E+00	0.00E+00	1.93E-08	3.57E-09	2.32E-08	3.57E-09	3.25E-09	5.29E-08
3345	476363.09	3848377.25	1.68E-04	1.72E-04	1.64E-04	5.82E-08	1.76E-07	1.02E-07	1.02E-07	9.41E-08	4.29E-08	4.10E-08	0.00E+00	0.00E+00	1.87E-08	3.45E-09	2.24E-08	3.45E-09	3.17E-09	5.11E-08
3346	476863.09	3848377.25	2.18E-04	2.22E-04	2.14E-04	7.55E-08	2.28E-07	1.32E-07	1.32E-07	1.22E-07	5.56E-08	5.36E-08	0.00E+00	0.00E+00	2.43E-08	4.48E-09	2.90E-08	4.47E-09	4.15E-09	6.63E-08
3347	477363.09	3848377.25	2.06E-04	2.11E-04	1.98E-04	7.12E-08	2.15E-07	1.25E-07	1.25E-07	1.16E-07	5.27E-08	4.97E-08	0.00E+00	0.00E+00	2.29E-08	4.23E-09	2.75E-08	4.24E-09	3.85E-09	6.27E-08
3348	477863.09	3848377.25	2.09E-04	2.16E-04	1.96E-04	7.25E-08	2.19E-07	1.27E-07	1.27E-07	1.19E-07	5.41E-08	4.91E-08	0.00E+00	0.00E+00	2.33E-08	4.30E-09	2.82E-08	4.34E-09	3.80E-09	6.39E-08
3349	478363.09	3848377.25	1.88E-04	1.95E-04	1.73E-04	6.51E-08	1.96E-07	1.14E-07	1.14E-07	1.07E-07	4.88E-08	4.32E-08	0.00E+00	0.00E+00	2.09E-08	3.86E-09	2.54E-08	3.92E-09	3.35E-09	5.74E-08
3350	478863.09	3848377.25	1.67E-04	1.73E-04	1.53E-04	5.79E-08	1.75E-07	1.01E-07	1.01E-07	9.51E-08	4.34E-08	3.84E-08	0.00E+00	0.00E+00	1.86E-08	3.44E-09	2.26E-08	3.49E-09	2.97E-09	5.11E-08
3351	479363.09	3848377.25	1.30E-04	1.34E-04	1.22E-04	4.50E-08	1.36E-07	7.86E-08	7.86E-08	7.33E-08	3.35E-08	3.06E-08	0.00E+00	0.00E+00	1.45E-08	2.67E-09	1.74E-08	2.69E-09	2.37E-09	3.96E-08
3352	479863.09	3848377.25	7.35E-05	7.49E-05	7.13E-05	2.54E-08	7.68E-08	4.45E-08	4.45E-08	4.11E-08	1.88E-08	1.78E-08	0.00E+00	0.00E+00	8.18E-09	1.51E-09	9.77E-09	1.51E-09	1.38E-09	2.23E-08
3353	480363.09	3848377.25	8.67E-05	8.86E-05	8.35E-05	3.00E-08	9.06E-08	5.25E-08	5.25E-08	4.86E-08	2.22E-08	2.09E-08	0.00E+00	0.00E+00	9.65E-09	1.78E-09	1.16E-08	1.78E-09	1.62E-09	2.64E-08

3354	480863.09	3848377.25	1.03E-04	1.05E-04	9.83E-05	3.56E-08	1.07E-07	6.22E-08	6.22E-08	5.78E-08	2.64E-08	2.46E-08	0.00E+00	0.00E+00	1.14E-08	2.11E-09	1.37E-08	2.12E-09	1.91E-09	3.13E-08
3355	481363.09	3848377.25	1.04E-04	1.07E-04	9.90E-05	3.59E-08	1.09E-07	6.28E-08	6.28E-08	5.84E-08	2.67E-08	2.48E-08	0.00E+00	0.00E+00	1.16E-08	2.13E-09	1.39E-08	2.14E-09	1.92E-09	3.16E-08
3356	481863.09	3848377.25	1.05E-04	1.08E-04	1.00E-04	3.64E-08	1.10E-07	6.37E-08	6.37E-08	5.92E-08	2.70E-08	2.51E-08	0.00E+00	0.00E+00	1.17E-08	2.16E-09	1.41E-08	2.17E-09	1.95E-09	3.21E-08
3357	482363.09	3848377.25	1.04E-04	1.06E-04	9.95E-05	3.60E-08	1.09E-07	6.29E-08	6.29E-08	5.84E-08	2.66E-08	2.49E-08	0.00E+00	0.00E+00	1.16E-08	2.13E-09	1.39E-08	2.14E-09	1.93E-09	3.16E-08
3358	482863.09	3848377.25	9.51E-05	9.72E-05	9.16E-05	3.29E-08	9.94E-08	5.76E-08	5.76E-08	5.33E-08	2.43E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.95E-09	1.27E-08	1.95E-09	1.78E-09	2.89E-08
3359	483363.09	3848377.25	9.43E-05	9.64E-05	9.09E-05	3.26E-08	9.86E-08	5.71E-08	5.71E-08	5.29E-08	2.41E-08	2.27E-08	0.00E+00	0.00E+00	1.05E-08	1.94E-09	1.26E-08	1.94E-09	1.76E-09	2.87E-08
3360	483863.09	3848377.25	9.13E-05	9.33E-05	8.80E-05	3.16E-08	9.54E-08	5.52E-08	5.52E-08	5.12E-08	2.33E-08	2.20E-08	0.00E+00	0.00E+00	1.02E-08	1.88E-09	1.22E-08	1.87E-09	1.70E-09	2.78E-08
3361	484363.09	3848377.25	9.19E-05	9.38E-05	8.88E-05	3.18E-08	9.61E-08	5.56E-08	5.56E-08	5.15E-08	2.35E-08	2.22E-08	0.00E+00	0.00E+00	1.02E-08	1.89E-09	1.22E-08	1.89E-09	1.72E-09	2.80E-08
3362	484863.09	3848377.25	9.89E-05	1.01E-04	9.57E-05	3.42E-08	1.03E-07	5.99E-08	5.99E-08	5.54E-08	2.53E-08	2.39E-08	0.00E+00	0.00E+00	1.10E-08	2.03E-09	1.32E-08	2.03E-09	1.85E-09	3.01E-08
3363	485363.09	3848377.25	9.82E-05	1.00E-04	9.50E-05	3.40E-08	1.03E-07	5.94E-08	5.94E-08	5.49E-08	2.50E-08	2.38E-08	0.00E+00	0.00E+00	1.09E-08	2.02E-09	1.30E-08	2.01E-09	1.84E-09	2.98E-08
3364	485863.09	3848377.25	9.28E-05	9.45E-05	9.01E-05	3.21E-08	9.70E-08	5.61E-08	5.61E-08	5.19E-08	2.37E-08	2.25E-08	0.00E+00	0.00E+00	1.03E-08	1.91E-09	1.23E-08	1.90E-09	1.75E-09	2.82E-08
3365	486363.09	3848377.25	8.68E-05	8.84E-05	8.45E-05	3.00E-08	9.07E-08	5.25E-08	5.25E-08	4.85E-08	2.21E-08	2.12E-08	0.00E+00	0.00E+00	9.66E-09	1.78E-09	1.15E-08	1.78E-09	1.64E-09	2.64E-08
3366	486863.09	3848377.25	8.30E-05	8.45E-05	8.08E-05	2.87E-08	8.67E-08	5.02E-08	5.02E-08	4.63E-08	2.11E-08	2.02E-08	0.00E+00	0.00E+00	9.24E-09	1.70E-09	1.10E-08	1.70E-09	1.57E-09	2.52E-08
3367	487363.09	3848377.25	7.63E-05	7.77E-05	7.44E-05	2.64E-08	7.98E-08	4.62E-08	4.62E-08	4.26E-08	1.95E-08	1.86E-08	0.00E+00	0.00E+00	8.50E-09	1.57E-09	1.01E-08	1.56E-09	1.44E-09	2.32E-08
3368	487863.09	3848377.25	7.48E-05	7.61E-05	7.29E-05	2.59E-08	7.81E-08	4.52E-08	4.52E-08	4.17E-08	1.90E-08	1.83E-08	0.00E+00	0.00E+00	8.32E-09	1.54E-09	9.92E-09	1.53E-09	1.41E-09	2.27E-08
3369	488363.09	3848377.25	7.66E-05	7.79E-05	7.49E-05	2.65E-08	8.00E-08	4.63E-08	4.63E-08	4.27E-08	1.95E-08	1.87E-08	0.00E+00	0.00E+00	8.52E-09	1.57E-09	1.02E-08	1.57E-09	1.45E-09	2.33E-08
3370	488863.09	3848377.25	7.88E-05	8.01E-05	7.71E-05	2.73E-08	8.24E-08	4.77E-08	4.77E-08	4.40E-08	2.01E-08	1.93E-08	0.00E+00	0.00E+00	8.78E-09	1.62E-09	1.04E-08	1.61E-09	1.49E-09	2.39E-08
3371	489363.09	3848377.25	8.11E-05	8.24E-05	7.94E-05	2.81E-08	8.47E-08	4.91E-08	4.91E-08	4.52E-08	2.06E-08	1.99E-08	0.00E+00	0.00E+00	9.03E-09	1.67E-09	1.07E-08	1.66E-09	1.54E-09	2.46E-08
3372	489863.09	3848377.25	8.43E-05	8.57E-05	8.26E-05	2.92E-08	8.81E-08	5.10E-08	5.10E-08	4.70E-08	2.14E-08	2.07E-08	0.00E+00	0.00E+00	9.39E-09	1.73E-09	1.12E-08	1.72E-09	1.60E-09	2.56E-08
3373	490363.09	3848377.25	8.37E-05	8.52E-05	8.18E-05	2.90E-08	8.75E-08	5.07E-08	5.07E-08	4.67E-08	2.13E-08	2.05E-08	0.00E+00	0.00E+00	9.32E-09	1.72E-09	1.11E-08	1.71E-09	1.59E-09	2.54E-08
3374	490863.09	3848377.25	8.31E-05	8.46E-05	8.12E-05	2.88E-08	8.69E-08	5.03E-08	5.03E-08	4.64E-08	2.12E-08	2.03E-08	0.00E+00	0.00E+00	9.25E-09	1.71E-09	1.10E-08	1.70E-09	1.57E-09	2.53E-08
3375	491363.09	3848377.25	8.45E-05	8.60E-05	8.25E-05	2.93E-08	8.83E-08	5.11E-08	5.11E-08	4.72E-08	2.15E-08	2.07E-08	0.00E+00	0.00E+00	9.41E-09	1.74E-09	1.12E-08	1.73E-09	1.60E-09	2.57E-08
3376	491863.09	3848377.25	8.54E-05	8.69E-05	8.34E-05	2.96E-08	8.93E-08	5.17E-08	5.17E-08	4.77E-08	2.18E-08	2.09E-08	0.00E+00	0.00E+00	9.51E-09	1.75E-09	1.13E-08	1.75E-09	1.62E-09	2.60E-08
3377	492363.09	3848377.25	8.41E-05	8.56E-05	8.21E-05	2.91E-08	8.80E-08	5.09E-08	5.09E-08	4.70E-08	2.14E-08	2.05E-08	0.00E+00	0.00E+00	9.37E-09	1.73E-09	1.12E-08	1.72E-09	1.59E-09	2.56E-08
3378	492863.09	3848377.25	8.24E-05	8.39E-05	8.03E-05	2.85E-08	8.61E-08	4.99E-08	4.99E-08	4.60E-08	2.10E-08	2.01E-08	0.00E+00	0.00E+00	9.17E-09	1.69E-09	1.09E-08	1.69E-09	1.56E-09	2.50E-08
3379	493363.09	3848377.25	8.26E-05	8.41E-05	8.04E-05	2.86E-08	8.63E-08	5.00E-08	5.00E-08	4.61E-08	2.10E-08	2.01E-08	0.00E+00	0.00E+00	9.19E-09	1.70E-09	1.10E-08	1.69E-09	1.56E-09	2.51E-08
3380	493863.09	3848377.25	8.44E-05	8.59E-05	8.22E-05	2.92E-08	8.82E-08	5.10E-08	5.10E-08	4.71E-08	2.15E-08	2.06E-08	0.00E+00	0.00E+00	9.39E-09	1.73E-09	1.12E-08	1.73E-09	1.59E-09	2.56E-08
3381	494363.09	3848377.25	8.69E-05	8.84E-05	8.47E-05	3.01E-08	9.08E-08	5.26E-08	5.26E-08	4.85E-08	2.21E-08	2.12E-08	0.00E+00	0.00E+00	9.67E-09	1.78E-09	1.15E-08	1.78E-09	1.64E-09	2.64E-08
3382	494863.09	3848377.25	9.18E-05	9.34E-05	8.94E-05	3.18E-08	9.59E-08	5.55E-08	5.55E-08	5.12E-08	2.34E-08	2.24E-08	0.00E+00	0.00E+00	1.02E-08	1.88E-09	1.22E-08	1.88E-09	1.73E-09	2.79E-08
3383	495363.09	3848377.25	9.38E-05	9.55E-05	9.15E-05	3.25E-08	9.80E-08	5.68E-08	5.68E-08	5.24E-08	2.39E-08	2.29E-08	0.00E+00	0.00E+00	1.04E-08	1.93E-09	1.24E-08	1.92E-09	1.77E-09	2.85E-08
3384	495863.09	3848377.25	9.88E-05	1.01E-04	9.63E-05	3.42E-08	1.03E-07	5.98E-08	5.98E-08	5.52E-08	2.52E-08	2.41E-08	0.00E+00	0.00E+00	1.10E-08	2.03E-09	1.31E-08	2.02E-09	1.87E-09	3.00E-08
3385	496363.09	3848377.25	1.08E-04	1.10E-04	1.05E-04	3.75E-08	1.13E-07	6.55E-08	6.55E-08	6.05E-08	2.76E-08	2.64E-08	0.00E+00	0.00E+00	1.21E-08	2.22E-09	1.44E-08	2.22E-09	2.04E-09	3.29E-08
3386	496863.09	3848377.25	1.13E-04	1.15E-04	1.10E-04	3.93E-08	1.19E-07	6.86E-08	6.86E-08	6.33E-08	2.89E-08	2.76E-08	0.00E+00	0.00E+00	1.26E-08	2.33E-09	1.51E-08	2.32E-09	2.14E-09	3.45E-08
3387	497363.09	3848377.25	1.26E-04	1.29E-04	1.23E-04	4.37E-08	1.32E-07	7.64E-08	7.64E-08	7.06E-08	3.22E-08	3.07E-08	0.00E+00	0.00E+00	1.41E-08	2.59E-09	1.68E-08	2.59E-09	2.37E-09	3.84E-08
3388	497863.09	3848377.25	1.56E-04	1.59E-04	1.50E-04	5.39E-08	1.63E-07	9.41E-08	9.41E-08	8.71E-08	3.98E-08	3.76E-08	0.00E+00	0.00E+00	1.73E-08	3.20E-09	2.07E-08	3.19E-09	2.91E-09	4.73E-08
3389	498363.09	3848377.25	1.62E-04	1.66E-04	1.56E-04	5.61E-08	1.69E-07	9.81E-08	9.81E-08	9.09E-08	4.15E-08	3.91E-08	0.00E+00	0.00E+00	1.81E-08	3.33E-09	2.16E-08	3.33E-09	3.03E-09	4.93E-08
3390	471363.09	3848877.25	1.88E-04	1.92E-04	1.83E-04	6.50E-08	1.96E-07	1.14E-07	1.14E-07	1.05E-07	4.80E-08	4.58E-08	0.00E+00	0.00E+00	2.09E-08	3.85E-09	2.50E-08	3.85E-09	3.55E-09	5.71E-08
3391	471863.09	3848877.25	1.96E-04	2.00E-04	1.90E-04	6.78E-08	2.05E-07	1.18E-07	1.18E-07	1.10E-07	5.01E-08	4.76E-08	0.00E+00	0.00E+00	2.18E-08	4.02E-09	2.61E-08	4.02E-09	3.68E-09	5.96E-08
3392	472363.09	3848877.25	2.00E-04	2.05E-04	1.93E-04	6.94E-08	2.09E-07	1.21E-07	1.21E-07	1.13E-07	5.14E-08	4.84E-08	0.00E+00	0.00E+00	2.23E-08	4.12E-09	2.67E-08	4.12E-09	3.75E-09	6.10E-08
3393	472863.09	3848877.25	2.03E-04	2.08E-04	1.95E-04	7.01E-08	2.12E-07	1.23E-07	1.23E-07	1.14E-07	5.20E-08	4.87E-08	0.00E+00	0.00E+00	2.25E-08	4.16E-09	2.71E-08	4.17E-09	3.77E-09	6.17E-08
3394	473363.09	3848877.25	2.07E-04	2.12E-04	1.99E-04	7.17E-08	2.16E-07	1.25E-07	1.25E-07	1.16E-07	5.31E-08	4.98E-08	0.00E+00	0.00E+00	2.30E-08	4.25E-09	2.77E-08	4.26E-09	3.86E-09	6.31E-08
3395	473863.09	3848877.25	2.06E-04	2.11E-04	1.98E-04	7.13E-08	2.15E-07	1.25E-07	1.25E-07	1.16E-07	5.28E-08	4.95E-08	0.00E+00	0.00E+00	2.29E-08	4.23E-09	2.75E-08	4.24E-09	3.83E-09	6.28E-08
3396	474363.09	3848877.25	2.04E-04	2.09E-04	1.95E-04	7.05E-08	2.13E-07	1.23E-07	1.23E-07	1.15E-07	5.23E-08	4.89E-08	0.00E+00	0.00E+00	2.27E-08	4.18E-09	2.72E-08	4.20E-09	3.79E-09	6.21E-08
3397	474863.09	3848877.25	1.86E-04	1.91E-04	1.77E-04	6.43E-08	1.94E-07	1.12E-07	1.12E-07	1.05E-07	4.77E-08	4.42E-08	0.00E+00	0.00E+00	2.07E-08	3.81E-09	2.49E-08	3.83E-09	3.42E-09	5.66E-08
3398	475363.09	3848877.25	1.79E-04	1.84E-04	1.70E-04	6.19E-08	1.87E-07	1.08E-07	1.08E-07	1.01E-07	4.60E-08	4.26E-08	0.00E+00	0.00E+00	1.99E-08	3.67E-09	2.40E-08	3.70E-09	3.30E-09	5.45E-08
3399	475863.09	3848877.25	2.00E-04	2.05E-04	1.92E-04	6.91E-08	2.09E-07	1.21E-07	1.21E-07	1.12E-07	5.12E-08	4.80E-08	0.00E+00	0.00E+00	2.22E-08	4.10E-09	2.67E-08	4.11E-09	3.71E-09	6.08E-08
3400	476363.09	3848877.25	2.08E-04	2.13E-04	2.02E-04	7.22E-08	2.18E-07	1.26E-07	1.26E-07	1.17E-07	5.34E-08	5.05E-08	0.00E+00	0.00E+00	2.32E-08	4.28E-09	2.78E-08	4.29E-09	3.91E-09	6.35E-08
3401	476863.09	3848877.25	2.09E-04	2.13E-04	2.04E-04	7.23E-08	2.18E-07	1.26E-07	1.26E-07	1.17E-07	5.33E-08	5.10E-08	0.00E+00	0.00E+00	2.32E-08	4.29E-09	2.78E-08	4.28E-09	3.95E-09	6.35E-08
3402	477363.09	3848877.25	2.55E-04	2.60E-04	2.51E-04	8.83E-08	2.67E-07	1.54E-07	1.54E-07	1.43E-07	6.50E-08	6.29E-08	0.00E+00	0.00E+00	2.84E-08	5.24E-09	3.39E-08	5.22E-09	4.87E-09	7.76E-08
3403	477863.09	3848877.25	2.34E-04	2.40E-04	2.26E-04	8.11E-08	2.45E-07	1.42E-07	1.42E-07	1.32E-07	6.00E-08	5.66E-08	0.00E+00	0.00E+00	2.61E-08	4.81E-09	3.13E-08	4.82E-09	4.38E-09	7.14E-08
3404	478363.09	3848877.25	2.36E-04	2.44E-04	2.21E-04	8.17E-08	2.47E-07	1.43E-07	1.43E-07	1.34E-07	6.10E-08	5.52E-08	0.00E+00	0.00E+00	2.63E-08	4.85E-09	3.17E-08	4.89E-09	4.28E-09	7.20E-08
3405	478863.09	3848877.25	2.03E-04	2.11E-04	1.86E-04	7.03E-08	2.12E-07	1.23E-07	1.23E-07	1.16E-07	5.28E-08	4.65E-08	0.00E+00	0.00E+00	2.26E-08	4.17E-09	2.75E-08	4.24E-09	3.60E-09	6.21E-08
3406	479363.09	3848877.25	1.73E-04	1.80E-04	1.59E-04	6.00E-08	1.81E-07	1.05E-07	1.05E-07	9.87E-08	4.50E-08	3.97E-08	0.00E+00	0.00E+00	1.93E-08	3.56E-09	2.34E-08	3.62E-09	3.08E-09	5.30E-08
3407	479863.09	3848877.25	1.40E-04	1.44E-04	1.32E-04	4.86E-08	1.47E-07	8.49E-08	8.49E-08	7.92E-08	3.62E-08	3.31E-08	0.00E+00	0.00E+00	1.56E-08	2.88E-09	1.88E-08	2.90E-09	2.56E-09	4.28E-08
3408	480363.09	3848877.25	1.39E-04	1.43E-04	1.31E-04	4.82E-08	1.45E-07	8.42E-08	8.42E-08	7.86E-08	3.58E-08	3.28E-08	0.00E+00	0.00E+00	1.55E-08	2.86E-09	1.87E-08	2.88E-09	2.54E-09	4.24E-08
3409	480863.09	3848877.25	1.40E-04	1.44E-04	1.31E-04	4.84E-08	1.46E-07	8.45E-08	8.45E-08	7.89E-08	3.60E-08	3.29E-08	0.00E+00	0.00E+00	1.56E-08	2.87E-09	1.87E-08	2.89E-09	2.55E-09	4.26E-08
3410	481363.09	3848877.25	1.29E-04	1.33E-04	1.22E-04	4.47E-08	1.35E-07	7.81E-08	7.81E-08	7.28E-08	3.32E-08	3.06E-08	0.00E+00	0.00E+00	1.44E-08	2.65E-09	1.73E-08	2.67E-09	2.37E-09	3.94E-08
3411	481863.09	3848877.25	1.18E-04	1.22E-04	1.12E-04	4.10E-08	1.24E-07	7.16E-08	7.16E-08	6.67E-08	3.04E-08	2.81E-08	0.00E+00	0.00E+00	1.32E-08	2.43E-09	1.58E-08	2.44E-09	2.17E-09	3.61E-08
3412	482363.09	3848877.25	1.05E-04	1.08E-04	1.01E-04	3.64E-08	1.10E-07	6.36E-08	6.36E-08	5.91E-08	2.69E-08	2.52E-08	0.00E+00	0.00E+00	1.17E-08	2.16E-09	1.40E-08	2.16E-09	1.95E-09	3.20E-08
3413	482863.09	3848877.25	9.48E-05	9.69E-05	9.15E-05	3.28E-08	9.91E-08	5.74E-08	5.74E-08	5.32E-08	2.43E-08	2.29E-08	0.00E+00	0.00E+00	1.06E-08	1.95E-09	1.26E-08	1.95E-09	1.77E-09	2.89E-08
3414	483363.09	3848877.25	9.06E-05	9.24E-05	8.77E-05	3.14E-08	9.47E-08	5.48E-08	5.48E-08	5.07E-08	2.31E-08	2.20E-08	0.00E+00	0.00E+00	1.01E-08	1.86E-09	1.20E-08	1.86E-09	1.70E-09	2.75E-08
3415	483863.09	3848877.25	9.06E-05	9.25E-05	8.75E-05	3.14E-08	9.47E-08	5.48E-08	5.48E-08	5.07E-08	2.31E-08	2.19E-08	0.00E+00	0.00E+00	1.01E-08	1.86E-09	1.20E-08	1.86E-09	1.70E-09	2.75E-08
3416	484363.09	3848877.25	9.84E-05	1.01E-04	9.48E-05	3.41E-08	1.03E-07	5.96E-08	5.96E-08	5.52E-08	2.52E-08	2.37E-08	0.00E+00	0.00E+00	1.10E-08	2.02E-09	1.31E-08	2.02E-09	1.84E-09	2.99E-08
3417	484863.09	3848877.25	1.09E-04	1.12E-04	1.05E-04	3.79E-08	1.14E-07	6.62E-08	6.62E-08	6.13E-08	2.80E-08	2.63E-08	0.00E+00	0.00E+00	1.22E-08	2.25E-09	1.46E-08	2.25E-09	2.04E-09	3.33E-08
3418	485363.09	3848877.25	1.10E-04	1.13E-04	1.06E-04	3.82E-08	1.15E-07	6.68E-08	6.68E-08	6.18E-08	2.82E-08	2.66E-08	0.00E+00	0.00E+00	1.23E-08	2.27E-09	1.47E-08	2.26E-09	2.06E-09	3.36E-08
3419	485863.09	3848877.25	1.04E-04	1.06E-04	1.01E-04	3.60E-08	1.09E-07	6.29E-08	6.29E-08	5.81E-08	2.65E-08	2.52E-08	0.00E+00	0.00E+00	1.16E-08	2.13E-09	1.38E-08	2.13E-09	1.95E-09	3.16E-08
3420	486363.09	3848877.25	9.54E-05	9.72E-05	9.28E-05	3.30E-08	9.97E-08	5.77E-08	5.77E-08	5.33E-08	2.43E-08	2.32E-08	0.00E+00	0.00E+00	1.06E-08	1.96E-09	1.27E-08	1.95E-09	1.80E-09	2.90E-08
3421	486863.09	3848877.25	8.93E-05	9.10E-05	8.69E-05	3.09E-08	9.34E-08	5.40E-08	5.40E-08	4.99E-08	2.28E-08	2.17E-08	0.00E+00	0.00E+00	9.94E-09	1.83E-09	1.19E-08	1.83E-09	1.68E-09	2.71E-08
3422	487363.09	3848877.25	8.56E-05	8.72E-05	8.32E-05	2.96E-08	8.95E-08	5.18E-08	5.18E-08	4.78E-08	2.18E-08	2.08E-08	0.00E+00	0.00E+00	9.53E-09	1.76E-09	1.14E-08	1.75E-09	1.61E-09	2.60E-08
3423	487863.09	3848877.25	8.29E-05	8.44E-05	8.07E-05	2.87E-08	8.66E-08	5.01E-08	5.01E-08	4.63E-08	2.11E-08	2.02E-08	0.00E+00	0.00E+00	9.23E-09	1.70E-09	1.10E-08	1.70E-09	1.56E-09	2.52E-08
3424	488363.09	3848877.25	8.52E-05	8.68E-05	8.31E-05	2.95E-08	8.91E-08	5.16E-08	5.16E-08	4.76E-08	2.17E-08	2.08E-08	0.00E+00	0.00E+00	9.49E-09	1.75E-09	1.13E-08	1.74E-09	1.61E-09	2.59E-08
3425	488863.09	3848877.25	8.74E-05	8.90E-05	8.53E-05	3.03E-08	9.14E-08	5.29E-08	5.29E-08	4.88E-08	2.23E-08	2.14E-08	0.00E+00	0.00E+00	9.73E-09	1.80E-09	1.16E-08	1.79E-09	1.65E-09	2.66E-08
3426	489363.09	3848877.25	9.13E-05	9.29E-05	8.92E-05	3.16E-08	9.54E-08	5.52E-08	5.52E-08	5.09E-08	2.32E-08	2.23E-08	0.00E+00	0.00E+00	1.02E-08	1.88E-09	1.21E-08	1.87E-09	1.73E-09	2.77E-08
3427	489863.09	3848877.25	9.46E-05	9.62E-05	9.23E-05	3.27E-08	9.89E-08	5.72E-08	5.72E-08	5.28E-08	2.41E-08	2.31E-08	0.00E+00	0.00E+00	1.05E-08	1.94E-09	1.25E-08	1.93E-09	1.79E-09	2.87E-08
3428	490363.09	3848877.25	9.23E-05	9.39E-05	8.99E-05	3.19E-08	9.64E-08	5.58E-08	5.58E-08	5.15E-08	2.35E-08	2.25E-08	0.00E+00	0.00E+00	1.03E-08	1.89E-09	1.22E-08	1.89E-09	1.74E-09	2.80E-08
3429	490863.09	3848877.25	9.21E-05	9.38E-05	8.98E-05	3.19E-08	9.63E-08	5.57E-08	5.57E-08	5.14E-08	2.35E-08	2.25E-08	0.00E+00	0.00E+00	1.03E-08	1.89E-09	1.22E-08	1.88E-09	1.74E-09	2.80E-08
3430	491363.09	3848877.25	9.37E-05	9.54E-05	9.13E-05	3.24E-08	9.79E-08	5.67E-08	5.67E-08	5.23E-08	2.39E-08	2.29E-08	0.00E+00	0.00E+00	1.04E-08	1.92E-09	1.24E-08	1.92E-09	1.77E-09	2.85E-08
3431	491863.09	3848877.25	9.27E-05	9.44E-05	9.04E-05	3.21E-08	9.69E-08	5.61E-08	5.61E-08	5.18E-08	2.36E-08	2.26E-08	0.00E+00	0.00E+00	1.03E-08	1.90E-09	1.23E-08	1.90E-09	1.75E-09	2.82E-08
3432	492363.09	3848877.25	9.09E-05	9.25E-05	8.85E-05	3.15E-08	9.50E-08	5.50E-08	5.50E-08	5.07E-08	2.32E-08	2.22E-08	0.00E+00	0.00E+00	1.01E-08	1.87E-09	1.21E-08	1.86E-09	1.72E-09	2.76E-08
3433	492863.09	3848877.25	8.75E-05	8.91E-05	8.53E-05	3.03E-08	9.15E-08	5.30E-08	5.30E-08	4.89E-08	2.23E-08	2.13E-08	0.00E+00	0.00E+00	9.74E-09	1.80E-09	1.16E-08	1.79E-09	1.65E-09	2.66E-08
3434	493363.09	3848877.25	8.62E-05	8.77E-05	8.40E-05	2.98E-08	9.01E-08	5.21E-08	5.21E-08	4.81E-08	2.20E-08	2.10E-08	0.00E+00	0.00E+00	9.59E-09	1.77E-09	1.14E-08	1.76E-09	1.63E-09	2.62E-08
3435	493863.09	3848877.25	9.11E-05	9.28E-05	8.88E-05	3.15E-08	9.52E-08	5.51E-08	5.51E-08	5.09E-08	2.32E-08	2.22E-08	0.00E+00	0.00E+00	1.01E-08	1.87E-09	1.21E-08	1.86E-09	1.72E-09	2.77E-08
3436	494363.09	3848877.25	9.55E-05	9.72E-05	9.31E-05	3.30E-08	9.98E-08	5.78E-08	5.78E-08	5.33E-08	2.43E-08	2.33E-08	0.00E+00	0.00E+00	1.06E-08	1.96E-09	1.27E-08	1.95E-09	1.80E-09	2.90E-08
3437	494863.09	3848877.25	1.03E-04	1.05E-04	1.00E-04	3.56E-08	1.07E-07	6.22E-08	6.22E-08	5.74E-08	2.62E-08	2.50E-08	0.00E+00	0.00E+00	1.14E-08	2.11E-09	1.36E-08	2.10E-09	1.94E-09	3.12E-08
3438	495363.09	3848877.25	1.10E-04	1.12E-04	1.07E-04	3.80E-08	1.15E-07	6.64E-08	6.64E-08	6.13E-08	2.80E-08	2.67E-08	0.00E+00	0.00E+00	1.22E-08	2.25E-09	1.46E-08	2.25E-09	2.07E-09	3.33E-08
3439	495863.09	3848877.25	1.11E-04	1.13E-04	1.08E-04	3.83E-08	1.16E-07	6.69E-08	6.69E-08	6.18E-08	2.82E-08	2.69E-08	0.00E+00	0.00E+00	1.23E-08	2.27E-09	1.47E-08	2.26E-09	2.08E-09	3.36E-08
3440	496363.09	3848877.25	1.18E-04	1.20E-04	1.15E-04	4.09E-08	1.23E-07	7.15E-08	7.15E-08	6.60E-08	3.01E-08	2.87E-08	0.00E+00	0.00E+00	1.31E-08	2.43E-09	1.57E-08	2.42E-09	2.22E-09	3.59E-08
3441	496863.09	3848877.25	1.32E-04	1.35E-04	1.28E-04	4.58E-08	1.38E-07	8.01E-08	8.01E-08	7.40E-08	3.38E-08	3.21E-08	0.00E+00	0.00E+00	1.47E-08	2.72E-09	1.76E-08	2.71E-09	2.49E-09	4.03E-08
3442	497363.09	3848877.25	1.58E-04	1.61E-04	1.52E-04	5.47E-08	1.65E-07	9.56E-08	9.56E-08	8.84E-08	4.04E-08	3.81E-08	0.00E+00	0.00E+00	1.76E-08	3.24E-09	2.10E-08	3.24E-09	2.95E-09	4.80E-08
3443	497863.09	3848877.25	1.72E-04	1.76E-04	1.66E-04	5.96E-08	1.80E-07	1.04E-07	1.04E-07	9.65E-08	4.40E-08	4.14E-08	0.00E+00	0.00E+00	1.92E-08	3.54E-09	2.29E-08	3.54E-09	3.21E-09	5.24E-08
3444	498363.09	3848877.25	1.83E-04	1.88E-04	1.76E-04	6.34E-08	1.92E-07	1.11E-07	1.11E-07	1.03E-07	4.69E-08	4.39E-08	0.00E+00	0.00E+00	2.04E-08	3.76E-09	2.44E-08	3.77E-09	3.40E-09	5.58E-08
3445	471363.09	3849377.25	1.91E-04	1.95E-04	1.87E-04	6.62E-08	2.00E-07	1.16E-07	1.16E-07	1.07E-07	4.88E-08	4.68E-08	0.00E+00	0.00E+00	2.13E-08	3.93E-09	2.54E-08	3.92E-09	3.62E-09	5.82E-08
3446	471863.09	3849377.25	2.04E-04	2.08E-04	2.00E-04	7.07E-08	2.13E-07	1.24E-07	1.24E-07	1.14E-07	5.21E-08	5.00E-08	0.00E+00	0.00E+00	2.27E-08	4.19E-09	2.72E-08	4.19E-09	3.87E-09	6.21E-08
3447	472363.09	3849377.25	2.12E-04	2.16E-04	2.06E-04	7.32E-08	2.21E-07	1.28E-07	1.28E-07	1.18E-07	5.41E-08	5.16E-08	0.00E+00	0.00E+00	2.35E-08	4.34E-09	2.82E-08	4.34E-09	4.00E-09	6.44E-08
3448	472863.09	3849377.25	2.18E-04	2.23E-04	2.12E-04	7.56E-08	2.28E-07	1.32E-07	1.32E-07	1.23E-07	5.59E-08	5.30E-08	0.00E+00	0.00E+00	2.43E-08	4.49E-09	2.91E-08	4.49E-09	4.11E-09	6.65E-08
3449	473363.09	3849377.25	2.22E-04	2.27E-04	2.14E-04	7.68E-08	2.32E-07	1.34E-07	1.34E-07	1.25E-07	5.69E-08	5.35E-08	0.00E+00	0.00E+00	2.47E-08	4.55E-09	2.96E-08	4.57E-09	4.14E-09	6.76E-08
3450	473863.09	3849377.25	2.25E-04	2.31E-04	2.17E-04	7.80E-08	2.36E-07	1.36E-07	1.36E-07	1.27E-07	5.79E-08	5.42E-08	0.00E+00	0.00E+00	2.51E-08	4.63E-09	3.01E-08	4.65E-09	4.20E-09	6.87E-08
3451	474363.09	3849377.25	2.28E-04	2.33E-04	2.19E-04	7.88E-08	2.38E-07	1.38E-07	1.38E-07	1.28E-07	5.84E-08	5.47E-08	0.00E+00	0.00E+00	2.53E-08	4.67E-09	3.04E-08	4.69E-09	4.23E-09	6.94E-08
3452	474863.09	3849377.25	2.26E-04	2.32E-04	2.16E-04	7.82E-08	2.36E-07	1.37E-07	1.37E-07	1.27E-07	5.80E-08	5.42E-08	0.00E+00	0.00E+00	2.51E-08	4.64E-09	3.02E-08	4.66E-09	4.19E-09	6.88E-08
3453	475363.09	3849377.25	2.19E-04	2.24E-04	2.09E-04	7.57E-08	2.28E-07	1.32E-07	1.32E-07	1.23E-07	5.62E-08	5.22E-08	0.00E+00	0.00E+00	2.43E-08	4.49E-09	2.92E-08	4.51E-09	4.04E-09	6.66E-08
3454	475863.09	3849377.25	2.23E-04	2.29E-04	2.14E-04	7.73E-08	2.33E-07	1.35E-07	1.35E-07	1.26E-07	5.74E-08	5.35E-08	0.00E+00	0.00E+00	2.49E-08	4.59E-09	2.99E-08	4.61E-09	4.14E-09	6.81E-08
3455	476363.09	3849377.25	2.46E-04	2.52E-04	2.38E-04	8.52E-08	2.57E-07	1.49E-07	1.49E-07	1.38E-07	6.31E-08	5.95E-08	0.00E+00	0.00E+00	2.74E-08	5.06E-09	3.28E-08	5.06E-09	4.61E-09	7.50E-08
3456	476863.09	3849377.25	2.69E-04	2.75E-04	2.62E-04	9.31E-08	2.81E-07	1.63E-07	1.63E-07	1.51E-07	6.87E-08	6.57E-08	0.00E+00	0.00E+00	2.99E-08	5.52E-09	3.58E-08	5.52E-09	5.08E-09	8.18E-08
3457	477363.09	3849377.25	2.76E-04	2.81E-04	2.71E-04	9.55E-08	2.88E-07	1.67E-07	1.67E-07	1.54E-07	7.04E-08	6.78E-08	0.00E+00	0.00E+00	3.07E-08	5.67E-09	3.66E-08	5.65E-09	5.25E-09	8.39E-08
3458	477863.09	3849377.25	2.69E-04	2.74E-04	2.64E-04	9.30E-08	2.81E-07	1.63E-07	1.63E-07	1.50E-07	6.86E-08	6.61E-08	0.00E+00	0.00E+00	2.99E-08	5.52E-09	3.57E-08	5.51E-09	5.12E-09	8.18E-08

3459	478363.09	3849377.25	2.65E-04	2.71E-04	2.56E-04	9.18E-08	2.77E-07	1.60E-07	1.60E-07	1.49E-07	6.79E-08	6.41E-08	0.00E+00	0.00E+00	2.95E-08	5.44E-09	3.54E-08	5.45E-09	4.96E-09	8.07E-08
3460	478863.09	3849377.25	2.45E-04	2.53E-04	2.27E-04	8.47E-08	2.56E-07	1.48E-07	1.48E-07	1.39E-07	6.33E-08	5.69E-08	0.00E+00	0.00E+00	2.72E-08	5.03E-09	3.30E-08	5.09E-09	4.41E-09	7.47E-08
3461	479363.09	3849377.25	2.22E-04	2.31E-04	2.02E-04	7.68E-08	2.32E-07	1.34E-07	1.34E-07	1.26E-07	5.77E-08	5.05E-08	0.00E+00	0.00E+00	2.47E-08	4.56E-09	3.00E-08	4.63E-09	3.91E-09	6.78E-08
3462	479863.09	3849377.25	1.86E-04	1.92E-04	1.70E-04	6.42E-08	1.94E-07	1.12E-07	1.12E-07	1.06E-07	4.82E-08	4.25E-08	0.00E+00	0.00E+00	2.07E-08	3.81E-09	2.51E-08	3.87E-09	3.29E-09	5.67E-08
3463	480363.09	3849377.25	1.91E-04	1.97E-04	1.79E-04	6.60E-08	1.99E-07	1.15E-07	1.15E-07	1.08E-07	4.92E-08	4.47E-08	0.00E+00	0.00E+00	2.12E-08	3.91E-09	2.56E-08	3.95E-09	3.46E-09	5.82E-08
3464	480863.09	3849377.25	1.77E-04	1.82E-04	1.66E-04	6.13E-08	1.85E-07	1.07E-07	1.07E-07	1.00E-07	4.57E-08	4.15E-08	0.00E+00	0.00E+00	1.97E-08	3.63E-09	2.38E-08	3.67E-09	3.21E-09	5.40E-08
3465	481363.09	3849377.25	1.48E-04	1.52E-04	1.39E-04	5.11E-08	1.54E-07	8.93E-08	8.93E-08	8.33E-08	3.80E-08	3.47E-08	0.00E+00	0.00E+00	1.64E-08	3.03E-09	1.98E-08	3.05E-09	2.69E-09	4.50E-08
3466	481863.09	3849377.25	1.18E-04	1.21E-04	1.12E-04	4.08E-08	1.23E-07	7.13E-08	7.13E-08	6.64E-08	3.03E-08	2.81E-08	0.00E+00	0.00E+00	1.31E-08	2.42E-09	1.58E-08	2.43E-09	2.17E-09	3.59E-08
3467	482363.09	3849377.25	1.09E-04	1.12E-04	1.04E-04	3.77E-08	1.14E-07	6.59E-08	6.59E-08	6.12E-08	2.79E-08	2.61E-08	0.00E+00	0.00E+00	1.21E-08	2.24E-09	1.45E-08	2.24E-09	2.02E-09	3.32E-08
3468	482863.09	3849377.25	9.71E-05	9.92E-05	9.37E-05	3.36E-08	1.02E-07	5.88E-08	5.88E-08	5.44E-08	2.48E-08	2.35E-08	0.00E+00	0.00E+00	1.08E-08	1.99E-09	1.29E-08	1.99E-09	1.82E-09	2.95E-08
3469	483363.09	3849377.25	9.35E-05	9.54E-05	9.05E-05	3.24E-08	9.77E-08	5.66E-08	5.66E-08	5.23E-08	2.39E-08	2.27E-08	0.00E+00	0.00E+00	1.04E-08	1.92E-09	1.24E-08	1.92E-09	1.75E-09	2.84E-08
3470	483863.09	3849377.25	8.88E-05	9.06E-05	8.62E-05	3.08E-08	9.29E-08	5.38E-08	5.38E-08	4.97E-08	2.27E-08	2.16E-08	0.00E+00	0.00E+00	9.89E-09	1.82E-09	1.18E-08	1.82E-09	1.67E-09	2.70E-08
3471	484363.09	3849377.25	1.06E-04	1.09E-04	1.02E-04	3.67E-08	1.11E-07	6.42E-08	6.42E-08	5.96E-08	2.72E-08	2.55E-08	0.00E+00	0.00E+00	1.18E-08	2.18E-09	1.41E-08	2.18E-09	1.97E-09	3.23E-08
3472	484863.09	3849377.25	1.20E-04	1.23E-04	1.15E-04	4.17E-08	1.26E-07	7.29E-08	7.29E-08	6.76E-08	3.09E-08	2.88E-08	0.00E+00	0.00E+00	1.34E-08	2.47E-09	1.61E-08	2.48E-09	2.23E-09	3.67E-08
3473	485363.09	3849377.25	1.24E-04	1.27E-04	1.19E-04	4.29E-08	1.29E-07	7.49E-08	7.49E-08	6.94E-08	3.17E-08	2.97E-08	0.00E+00	0.00E+00	1.38E-08	2.54E-09	1.65E-08	2.54E-09	2.30E-09	3.77E-08
3474	485863.09	3849377.25	1.05E-04	1.07E-04	1.02E-04	3.64E-08	1.10E-07	6.36E-08	6.36E-08	5.88E-08	2.68E-08	2.55E-08	0.00E+00	0.00E+00	1.17E-08	2.16E-09	1.40E-08	2.15E-09	1.98E-09	3.20E-08
3475	486363.09	3849377.25	9.22E-05	9.38E-05	8.99E-05	3.19E-08	9.64E-08	5.58E-08	5.58E-08	5.15E-08	2.35E-08	2.25E-08	0.00E+00	0.00E+00	1.03E-08	1.89E-09	1.22E-08	1.89E-09	1.74E-09	2.80E-08
3476	486863.09	3849377.25	9.76E-05	9.95E-05	9.47E-05	3.38E-08	1.02E-07	5.90E-08	5.90E-08	5.46E-08	2.49E-08	2.37E-08	0.00E+00	0.00E+00	1.09E-08	2.00E-09	1.30E-08	2.00E-09	1.83E-09	2.97E-08
3477	487363.09	3849377.25	9.56E-05	9.75E-05	9.28E-05	3.31E-08	1.00E-07	5.79E-08	5.79E-08	5.35E-08	2.44E-08	2.32E-08	0.00E+00	0.00E+00	1.06E-08	1.96E-09	1.27E-08	1.96E-09	1.80E-09	2.91E-08
3478	487863.09	3849377.25	9.37E-05	9.55E-05	9.10E-05	3.24E-08	9.79E-08	5.67E-08	5.67E-08	5.24E-08	2.39E-08	2.28E-08	0.00E+00	0.00E+00	1.04E-08	1.92E-09	1.24E-08	1.92E-09	1.76E-09	2.85E-08
3479	488363.09	3849377.25	9.57E-05	9.75E-05	9.31E-05	3.31E-08	1.00E-07	5.79E-08	5.79E-08	5.35E-08	2.44E-08	2.33E-08	0.00E+00	0.00E+00	1.07E-08	1.97E-09	1.27E-08	1.96E-09	1.80E-09	2.91E-08
3480	488863.09	3849377.25	9.99E-05	1.02E-04	9.72E-05	3.46E-08	1.04E-07	6.05E-08	6.05E-08	5.58E-08	2.55E-08	2.43E-08	0.00E+00	0.00E+00	1.11E-08	2.05E-09	1.33E-08	2.05E-09	1.88E-09	3.04E-08
3481	489363.09	3849377.25	1.04E-04	1.06E-04	1.01E-04	3.61E-08	1.09E-07	6.31E-08	6.31E-08	5.83E-08	2.66E-08	2.54E-08	0.00E+00	0.00E+00	1.16E-08	2.14E-09	1.38E-08	2.14E-09	1.97E-09	3.17E-08
3482	489863.09	3849377.25	1.06E-04	1.08E-04	1.03E-04	3.66E-08	1.10E-07	6.39E-08	6.39E-08	5.90E-08	2.69E-08	2.57E-08	0.00E+00	0.00E+00	1.18E-08	2.17E-09	1.40E-08	2.16E-09	1.99E-09	3.21E-08
3483	490363.09	3849377.25	1.03E-04	1.05E-04	9.98E-05	3.56E-08	1.07E-07	6.22E-08	6.22E-08	5.74E-08	2.62E-08	2.50E-08	0.00E+00	0.00E+00	1.14E-08	2.11E-09	1.36E-08	2.10E-09	1.93E-09	3.12E-08
3484	490863.09	3849377.25	1.04E-04	1.06E-04	1.01E-04	3.61E-08	1.09E-07	6.30E-08	6.30E-08	5.82E-08	2.66E-08	2.53E-08	0.00E+00	0.00E+00	1.16E-08	2.14E-09	1.38E-08	2.13E-09	1.96E-09	3.17E-08
3485	491363.09	3849377.25	1.06E-04	1.08E-04	1.03E-04	3.68E-08	1.11E-07	6.43E-08	6.43E-08	5.94E-08	2.71E-08	2.58E-08	0.00E+00	0.00E+00	1.18E-08	2.18E-09	1.41E-08	2.18E-09	2.00E-09	3.23E-08
3486	491863.09	3849377.25	1.04E-04	1.06E-04	1.01E-04	3.60E-08	1.09E-07	6.29E-08	6.29E-08	5.81E-08	2.65E-08	2.53E-08	0.00E+00	0.00E+00	1.16E-08	2.13E-09	1.38E-08	2.13E-09	1.96E-09	3.16E-08
3487	492363.09	3849377.25	1.02E-04	1.04E-04	9.90E-05	3.53E-08	1.06E-07	6.16E-08	6.16E-08	5.69E-08	2.60E-08	2.48E-08	0.00E+00	0.00E+00	1.13E-08	2.09E-09	1.35E-08	2.09E-09	1.92E-09	3.10E-08
3488	492863.09	3849377.25	9.76E-05	9.94E-05	9.49E-05	3.38E-08	1.02E-07	5.90E-08	5.90E-08	5.45E-08	2.49E-08	2.38E-08	0.00E+00	0.00E+00	1.09E-08	2.00E-09	1.30E-08	2.00E-09	1.84E-09	2.97E-08
3489	493363.09	3849377.25	9.97E-05	1.02E-04	9.71E-05	3.45E-08	1.04E-07	6.03E-08	6.03E-08	5.57E-08	2.54E-08	2.43E-08	0.00E+00	0.00E+00	1.11E-08	2.05E-09	1.32E-08	2.04E-09	1.88E-09	3.03E-08
3490	493863.09	3849377.25	1.04E-04	1.06E-04	1.01E-04	3.59E-08	1.08E-07	6.28E-08	6.28E-08	5.80E-08	2.65E-08	2.53E-08	0.00E+00	0.00E+00	1.16E-08	2.13E-09	1.38E-08	2.13E-09	1.96E-09	3.16E-08
3491	494363.09	3849377.25	1.12E-04	1.14E-04	1.09E-04	3.87E-08	1.17E-07	6.76E-08	6.76E-08	6.25E-08	2.85E-08	2.72E-08	0.00E+00	0.00E+00	1.24E-08	2.30E-09	1.48E-08	2.29E-09	2.10E-09	3.40E-08
3492	494863.09	3849377.25	1.28E-04	1.30E-04	1.24E-04	4.42E-08	1.33E-07	7.72E-08	7.72E-08	7.14E-08	3.26E-08	3.09E-08	0.00E+00	0.00E+00	1.42E-08	2.62E-09	1.70E-08	2.62E-09	2.40E-09	3.88E-08
3493	495363.09	3849377.25	1.38E-04	1.41E-04	1.33E-04	4.77E-08	1.44E-07	8.34E-08	8.34E-08	7.71E-08	3.52E-08	3.33E-08	0.00E+00	0.00E+00	1.53E-08	2.83E-09	1.83E-08	2.83E-09	2.58E-09	4.19E-08
3494	495863.09	3849377.25	1.28E-04	1.30E-04	1.24E-04	4.42E-08	1.34E-07	7.73E-08	7.73E-08	7.15E-08	3.26E-08	3.10E-08	0.00E+00	0.00E+00	1.42E-08	2.63E-09	1.70E-08	2.62E-09	2.40E-09	3.89E-08
3495	496363.09	3849377.25	1.32E-04	1.35E-04	1.28E-04	4.59E-08	1.38E-07	8.02E-08	8.02E-08	7.41E-08	3.38E-08	3.21E-08	0.00E+00	0.00E+00	1.47E-08	2.72E-09	1.76E-08	2.71E-09	2.49E-09	4.03E-08
3496	496863.09	3849377.25	1.63E-04	1.66E-04	1.57E-04	5.64E-08	1.70E-07	9.85E-08	9.85E-08	9.12E-08	4.16E-08	3.93E-08	0.00E+00	0.00E+00	1.81E-08	3.34E-09	2.17E-08	3.34E-09	3.04E-09	4.95E-08
3497	497363.09	3849377.25	1.77E-04	1.81E-04	1.70E-04	6.12E-08	1.85E-07	1.07E-07	1.07E-07	9.91E-08	4.52E-08	4.25E-08	0.00E+00	0.00E+00	1.97E-08	3.63E-09	2.36E-08	3.63E-09	3.29E-09	5.38E-08
3498	497863.09	3849377.25	2.11E-04	2.16E-04	2.01E-04	7.30E-08	2.20E-07	1.28E-07	1.28E-07	1.18E-07	5.41E-08	5.03E-08	0.00E+00	0.00E+00	2.35E-08	4.33E-09	2.81E-08	4.34E-09	3.89E-09	6.42E-08
3499	498363.09	3849377.25	2.11E-04	2.16E-04	2.01E-04	7.31E-08	2.21E-07	1.28E-07	1.28E-07	1.19E-07	5.42E-08	5.04E-08	0.00E+00	0.00E+00	2.35E-08	4.34E-09	2.82E-08	4.35E-09	3.90E-09	6.43E-08
3500	471363.09	3849877.25	1.70E-04	1.74E-04	1.66E-04	5.89E-08	1.78E-07	1.03E-07	1.03E-07	9.53E-08	4.35E-08	4.15E-08	0.00E+00	0.00E+00	1.89E-08	3.49E-09	2.26E-08	3.49E-09	3.21E-09	5.18E-08
3501	471863.09	3849877.25	1.98E-04	2.02E-04	1.94E-04	6.86E-08	2.07E-07	1.20E-07	1.20E-07	1.11E-07	5.06E-08	4.85E-08	0.00E+00	0.00E+00	2.21E-08	4.07E-09	2.63E-08	4.06E-09	3.75E-09	6.03E-08
3502	472363.09	3849877.25	2.19E-04	2.24E-04	2.15E-04	7.59E-08	2.29E-07	1.33E-07	1.33E-07	1.23E-07	5.60E-08	5.38E-08	0.00E+00	0.00E+00	2.44E-08	4.50E-09	2.92E-08	4.50E-09	4.16E-09	6.67E-08
3503	472863.09	3849877.25	2.31E-04	2.35E-04	2.26E-04	7.99E-08	2.41E-07	1.40E-07	1.40E-07	1.29E-07	5.89E-08	5.65E-08	0.00E+00	0.00E+00	2.57E-08	4.74E-09	3.07E-08	4.73E-09	4.37E-09	7.02E-08
3504	473363.09	3849877.25	2.36E-04	2.41E-04	2.30E-04	8.17E-08	2.47E-07	1.43E-07	1.43E-07	1.32E-07	6.04E-08	5.75E-08	0.00E+00	0.00E+00	2.63E-08	4.85E-09	3.14E-08	4.85E-09	4.46E-09	7.19E-08
3505	473863.09	3849877.25	2.43E-04	2.49E-04	2.36E-04	8.43E-08	2.54E-07	1.47E-07	1.47E-07	1.37E-07	6.23E-08	5.90E-08	0.00E+00	0.00E+00	2.71E-08	5.00E-09	3.25E-08	5.01E-09	4.57E-09	7.41E-08
3506	474363.09	3849877.25	2.48E-04	2.54E-04	2.39E-04	8.59E-08	2.59E-07	1.50E-07	1.50E-07	1.40E-07	6.37E-08	5.98E-08	0.00E+00	0.00E+00	2.76E-08	5.10E-09	3.31E-08	5.11E-09	4.63E-09	7.56E-08
3507	474863.09	3849877.25	2.52E-04	2.58E-04	2.42E-04	8.72E-08	2.63E-07	1.52E-07	1.52E-07	1.42E-07	6.47E-08	6.05E-08	0.00E+00	0.00E+00	2.81E-08	5.18E-09	3.37E-08	5.20E-09	4.69E-09	7.68E-08
3508	475363.09	3849877.25	2.49E-04	2.55E-04	2.38E-04	8.61E-08	2.60E-07	1.50E-07	1.50E-07	1.40E-07	6.39E-08	5.95E-08	0.00E+00	0.00E+00	2.77E-08	5.11E-09	3.33E-08	5.13E-09	4.61E-09	7.58E-08
3509	475863.09	3849877.25	2.45E-04	2.51E-04	2.33E-04	8.47E-08	2.56E-07	1.48E-07	1.48E-07	1.38E-07	6.29E-08	5.84E-08	0.00E+00	0.00E+00	2.72E-08	5.03E-09	3.28E-08	5.05E-09	4.52E-09	7.46E-08
3510	476363.09	3849877.25	2.47E-04	2.54E-04	2.36E-04	8.56E-08	2.59E-07	1.50E-07	1.50E-07	1.39E-07	6.36E-08	5.91E-08	0.00E+00	0.00E+00	2.75E-08	5.08E-09	3.31E-08	5.11E-09	4.58E-09	7.54E-08
3511	476863.09	3849877.25	2.77E-04	2.84E-04	2.68E-04	9.59E-08	2.90E-07	1.68E-07	1.68E-07	1.56E-07	7.10E-08	6.70E-08	0.00E+00	0.00E+00	3.08E-08	5.69E-09	3.70E-08	5.70E-09	5.19E-09	8.44E-08
3512	477363.09	3849877.25	3.24E-04	3.30E-04	3.17E-04	1.12E-07	3.38E-07	1.96E-07	1.96E-07	1.81E-07	8.26E-08	7.93E-08	0.00E+00	0.00E+00	3.60E-08	6.65E-09	4.30E-08	6.64E-09	6.14E-09	9.85E-08
3513	477863.09	3849877.25	3.38E-04	3.44E-04	3.33E-04	1.17E-07	3.53E-07	2.04E-07	2.04E-07	1.89E-07	8.61E-08	8.33E-08	0.00E+00	0.00E+00	3.76E-08	6.94E-09	4.48E-08	6.92E-09	6.45E-09	1.03E-07
3514	478363.09	3849877.25	3.16E-04	3.22E-04	3.11E-04	1.10E-07	3.31E-07	1.91E-07	1.91E-07	1.77E-07	8.07E-08	7.79E-08	0.00E+00	0.00E+00	3.52E-08	6.50E-09	4.20E-08	6.48E-09	6.03E-09	9.62E-08
3515	478863.09	3849877.25	3.14E-04	3.21E-04	3.04E-04	1.09E-07	3.28E-07	1.90E-07	1.90E-07	1.76E-07	8.04E-08	7.62E-08	0.00E+00	0.00E+00	3.50E-08	6.45E-09	4.19E-08	6.46E-09	5.90E-09	9.56E-08
3516	479363.09	3849877.25	2.85E-04	2.95E-04	2.65E-04	9.87E-08	2.98E-07	1.72E-07	1.72E-07	1.62E-07	7.38E-08	6.63E-08	0.00E+00	0.00E+00	3.17E-08	5.85E-09	3.84E-08	5.92E-09	5.14E-09	8.71E-08
3517	479863.09	3849877.25	2.76E-04	2.87E-04	2.52E-04	9.55E-08	2.88E-07	1.67E-07	1.67E-07	1.57E-07	7.17E-08	6.31E-08	0.00E+00	0.00E+00	3.07E-08	5.67E-09	3.74E-08	5.76E-09	4.88E-09	8.44E-08
3518	480363.09	3849877.25	2.32E-04	2.40E-04	2.12E-04	8.02E-08	2.42E-07	1.40E-07	1.40E-07	1.32E-07	6.02E-08	5.31E-08	0.00E+00	0.00E+00	2.58E-08	4.76E-09	3.13E-08	4.83E-09	4.11E-09	7.08E-08
3519	480863.09	3849877.25	1.89E-04	1.96E-04	1.76E-04	6.56E-08	1.98E-07	1.15E-07	1.15E-07	1.07E-07	4.90E-08	4.42E-08	0.00E+00	0.00E+00	2.11E-08	3.89E-09	2.55E-08	3.93E-09	3.42E-09	5.78E-08
3520	481363.09	3849877.25	1.74E-04	1.79E-04	1.63E-04	6.02E-08	1.82E-07	1.05E-07	1.05E-07	9.84E-08	4.49E-08	4.07E-08	0.00E+00	0.00E+00	1.94E-08	3.57E-09	2.34E-08	3.60E-09	3.15E-09	5.31E-08
3521	481863.09	3849877.25	1.27E-04	1.30E-04	1.21E-04	4.39E-08	1.33E-07	7.67E-08	7.67E-08	7.14E-08	3.26E-08	3.02E-08	0.00E+00	0.00E+00	1.41E-08	2.60E-09	1.70E-08	2.62E-09	2.34E-09	3.86E-08
3522	482363.09	3849877.25	1.14E-04	1.16E-04	1.09E-04	3.94E-08	1.19E-07	6.88E-08	6.88E-08	6.39E-08	2.91E-08	2.73E-08	0.00E+00	0.00E+00	1.27E-08	2.34E-09	1.52E-08	2.34E-09	2.11E-09	3.46E-08
3523	482863.09	3849877.25	1.04E-04	1.06E-04	1.00E-04	3.60E-08	1.09E-07	6.29E-08	6.29E-08	5.83E-08	2.66E-08	2.51E-08	0.00E+00	0.00E+00	1.16E-08	2.13E-09	1.38E-08	2.13E-09	1.94E-09	3.16E-08
3524	483363.09	3849877.25	9.72E-05	9.92E-05	9.40E-05	3.36E-08	1.02E-07	5.88E-08	5.88E-08	5.44E-08	2.48E-08	2.35E-08	0.00E+00	0.00E+00	1.08E-08	2.00E-09	1.29E-08	1.99E-09	1.82E-09	2.96E-08
3525	483863.09	3849877.25	9.79E-05	9.99E-05	9.47E-05	3.39E-08	1.02E-07	5.92E-08	5.92E-08	5.48E-08	2.50E-08	2.37E-08	0.00E+00	0.00E+00	1.09E-08	2.01E-09	1.30E-08	2.01E-09	1.83E-09	2.98E-08
3526	484363.09	3849877.25	1.14E-04	1.17E-04	1.09E-04	3.95E-08	1.19E-07	6.91E-08	6.91E-08	6.41E-08	2.92E-08	2.73E-08	0.00E+00	0.00E+00	1.27E-08	2.34E-09	1.52E-08	2.35E-09	2.12E-09	3.47E-08
3527	484863.09	3849877.25	1.36E-04	1.40E-04	1.29E-04	4.72E-08	1.42E-07	8.25E-08	8.25E-08	7.67E-08	3.50E-08	3.23E-08	0.00E+00	0.00E+00	1.52E-08	2.80E-09	1.82E-08	2.81E-09	2.50E-09	4.15E-08
3528	485363.09	3849877.25	1.35E-04	1.38E-04	1.29E-04	4.68E-08	1.41E-07	8.18E-08	8.18E-08	7.59E-08	3.46E-08	3.24E-08	0.00E+00	0.00E+00	1.50E-08	2.78E-09	1.80E-08	2.78E-09	2.51E-09	4.11E-08
3529	485863.09	3849877.25	1.21E-04	1.24E-04	1.17E-04	4.20E-08	1.27E-07	7.34E-08	7.34E-08	6.79E-08	3.10E-08	2.93E-08	0.00E+00	0.00E+00	1.35E-08	2.49E-09	1.61E-08	2.49E-09	2.27E-09	3.69E-08
3530	486363.09	3849877.25	1.12E-04	1.14E-04	1.08E-04	3.86E-08	1.17E-07	6.76E-08	6.76E-08	6.24E-08	2.85E-08	2.71E-08	0.00E+00	0.00E+00	1.24E-08	2.29E-09	1.48E-08	2.29E-09	2.10E-09	3.39E-08
3531	486863.09	3849877.25	1.14E-04	1.17E-04	1.11E-04	3.96E-08	1.20E-07	6.92E-08	6.92E-08	6.41E-08	2.92E-08	2.77E-08	0.00E+00	0.00E+00	1.27E-08	2.35E-09	1.52E-08	2.35E-09	2.14E-09	3.48E-08
3532	487363.09	3849877.25	1.10E-04	1.13E-04	1.07E-04	3.82E-08	1.15E-07	6.68E-08	6.68E-08	6.18E-08	2.82E-08	2.67E-08	0.00E+00	0.00E+00	1.23E-08	2.27E-09	1.47E-08	2.26E-09	2.07E-09	3.36E-08
3533	487863.09	3849877.25	1.06E-04	1.09E-04	1.03E-04	3.68E-08	1.11E-07	6.44E-08	6.44E-08	5.96E-08	2.72E-08	2.58E-08	0.00E+00	0.00E+00	1.18E-08	2.19E-09	1.42E-08	2.18E-09	2.00E-09	3.24E-08
3534	488363.09	3849877.25	1.09E-04	1.12E-04	1.06E-04	3.79E-08	1.14E-07	6.62E-08	6.62E-08	6.12E-08	2.79E-08	2.65E-08	0.00E+00	0.00E+00	1.22E-08	2.25E-09	1.45E-08	2.24E-09	2.05E-09	3.33E-08
3535	488863.09	3849877.25	1.15E-04	1.18E-04	1.12E-04	4.00E-08	1.21E-07	6.98E-08	6.98E-08	6.46E-08	2.95E-08	2.80E-08	0.00E+00	0.00E+00	1.28E-08	2.37E-09	1.53E-08	2.37E-09	2.17E-09	3.51E-08
3536	489363.09	3849877.25	1.20E-04	1.22E-04	1.16E-04	4.14E-08	1.25E-07	7.23E-08	7.23E-08	6.69E-08	3.05E-08	2.90E-08	0.00E+00	0.00E+00	1.33E-08	2.45E-09	1.59E-08	2.45E-09	2.24E-09	3.63E-08
3537	489863.09	3849877.25	1.19E-04	1.22E-04	1.16E-04	4.13E-08	1.25E-07	7.23E-08	7.23E-08	6.68E-08	3.05E-08	2.89E-08	0.00E+00	0.00E+00	1.33E-08	2.45E-09	1.59E-08	2.45E-09	2.24E-09	3.63E-08
3538	490363.09	3849877.25	1.17E-04	1.20E-04	1.14E-04	4.07E-08	1.23E-07	7.11E-08	7.11E-08	6.57E-08	3.00E-08	2.85E-08	0.00E+00	0.00E+00	1.31E-08	2.41E-09	1.56E-08	2.41E-09	2.20E-09	3.57E-08
3539	490863.09	3849877.25	1.21E-04	1.23E-04	1.17E-04	4.19E-08	1.27E-07	7.33E-08	7.33E-08	6.77E-08	3.09E-08	2.94E-08	0.00E+00	0.00E+00	1.35E-08	2.49E-09	1.61E-08	2.48E-09	2.27E-09	3.68E-08
3540	491363.09	3849877.25	1.23E-04	1.25E-04	1.19E-04	4.25E-08	1.28E-07	7.42E-08	7.42E-08	6.86E-08	3.13E-08	2.97E-08	0.00E+00	0.00E+00	1.37E-08	2.52E-09	1.63E-08	2.51E-09	2.30E-09	3.73E-08
3541	491863.09	3849877.25	1.20E-04	1.22E-04	1.16E-04	4.15E-08	1.25E-07	7.26E-08	7.26E-08	6.71E-08	3.06E-08	2.91E-08	0.00E+00	0.00E+00	1.33E-08	2.46E-09	1.59E-08	2.46E-09	2.25E-09	3.65E-08
3542	492363.09	3849877.25	1.19E-04	1.22E-04	1.15E-04	4.12E-08	1.24E-07	7.21E-08	7.21E-08	6.66E-08	3.04E-08	2.89E-08	0.00E+00	0.00E+00	1.33E-08	2.45E-09	1.58E-08	2.44E-09	2.23E-09	3.62E-08
3543	492863.09	3849877.25	1.18E-04	1.20E-04	1.14E-04	4.08E-08	1.23E-07	7.13E-08	7.13E-08	6.60E-08	3.01E-08	2.86E-08	0.00E+00	0.00E+00	1.31E-08	2.42E-09	1.57E-08	2.42E-09	2.21E-09	3.58E-08
3544	493363.09	3849877.25	1.18E-04	1.21E-04	1.15E-04	4.09E-08	1.24E-07	7.15E-08	7.15E-08	6.61E-08	3.02E-08	2.87E-08	0.00E+00	0.00E+00	1.32E-08	2.43E-09	1.57E-08	2.42E-09	2.22E-09	3.59E-08
3545	493863.09	3849877.25	1.22E-04	1.24E-04	1.18E-04	4.21E-08	1.27E-07	7.36E-08	7.36E-08	6.80E-08	3.10E-08	2.95E-08	0.00E+00	0.00E+00	1.35E-08	2.50E-09	1.62E-08	2.49E-09	2.29E-09	3.70E-08
3546	494363.09	3849877.25	1.43E-04	1.46E-04	1.38E-04	4.94E-08	1.49E-07	8.63E-08	8.63E-08	7.99E-08	3.65E-08	3.45E-08	0.00E+00	0.00E+00	1.59E-08	2.93E-09	1.90E-08	2.93E-09	2.67E-09	4.34E-08
3547	494863.09	3849877.25	1.62E-04	1.65E-04	1.56E-04	5.60E-08	1.69E-07	9.78E-08	9.78E-08	9.06E-08	4.13E-08	3.89E-08	0.00E+00	0.00E+00	1.80E-08	3.32E-09	2.15E-08	3.32E-09	3.02E-09	4.92E-08
3548	495363.09	3849877.25	1.58E-04	1.61E-04	1.52E-04	5.47E-08	1.65E-07	9.56E-08	9.56E-08	8.85E-08	4.04E-08	3.82E-08	0.00E+00	0.00E+00	1.76E-08	3.25E-09	2.10E-08	3.24E-09	2.95E-09	4.81E-08
3549	495863.09	3849877.25	1.80E-04	1.84E-04	1.74E-04	6.25E-08	1.89E-07	1.09E-07	1.09E-07	1.01E-07	4.62E-08	4.34E-08	0.00E+00	0.00E+00	2.01E-08	3.71E-09	2.40E-08	3.71E-09	3.36E-09	5.49E-08
3550	496363.09	3849877.25	1.94E-04	1.98E-04	1.86E-04	6.70E-08	2.02E-07	1.17E-07	1.17E-07	1.09E-07	4.96E-08	4.65E-08	0.00E+00	0.00E+00	2.15E-08	3.98E-09	2.58E-08	3.98E-09	3.60E-09	5.89E-08
3551	496863.09	3849877.25	2.03E-04	2.08E-04	1.94E-04	7.02E-08	2.12E-07	1.23E-07	1.23E-07	1.14E-07	5.19E-08	4.86E-08	0.00E+00	0.00E+00	2.26E-08	4.16E-09	2.70E-08	4.17E-09	3.76E-09	6.17E-08
3552	497363.09	3849877.25	2.30E-04	2.36E-04	2.19E-04	7.95E-08	2.40E-07	1.39E-07	1.39E-07	1.29E-07	5.90E-08	5.47E-08	0.00E+00	0.00E+00	2.56E-08	4.72E-09	3.07E-08	4.73E-09	4.24E-09	7.00E-08
3553	497863.09	3849877.25	2.44E-04	2.50E-04	2.31E-04	8.43E-08	2.55E-07	1.47E-07	1.47E-07	1.37E-07	6.26E-08	5.78E-08	0.00E+00	0.00E+00	2.71E-08	5.00E-09	3.26E-08	5.03E-09	4.48E-09	7.42E-08
3554	498363.09	3849877.25	2.45E-04	2.51E-04	2.33E-04	8.48E-08	2.56E-07	1.48E-07	1.48E-07	1.38E-07	6.29E-08	5.82E-08	0.00E+00	0.00E+00	2.73E-08	5.03E-09	3.28E-08	5.05E-09	4.51E-09	7.46E-08
3555	471363.09	3850377.25	1.38E-04	1.41E-04	1.33E-04	4.77E-08	1.44E-07	8.34E-08	8.34E-08	7.73E-08	3.53E-08	3.33E-08	0.00E+00	0.00E+00	1.53E-08	2.83E-09	1.84E-08	2.83E-09	2.58E-09	4.19E-08
3556	471863.09	3850377.25	1.74E-04	1.78E-04	1.69E-04	6.01E-08	1.82E-07	1.05E-07	1.05E-07	9.74E-08	4.44E-08	4.22E-08	0.00E+00	0.00E+00	1.93E-08	3.57E-09	2.31E-08	3.57E-09	3.27E-09	5.29E-08
3557	472363.09	3850377.25	1.96E-04	2.00E-04	1.91E-04	6.78E-08	2.05E-07	1.18E-07	1.18E-07	1.10E-07	5.00E-08	4.78E-08	0.00E+00	0.00E+00	2.18E-08	4.02E-09	2.61E-08	4.02E-09	3.70E-09	5.96E-08
3558	472863.09	3850377.25	2.33E-04	2.38E-04	2.28E-04	8.07E-08	2.44E-07	1.41E-07	1.41E-07	1.30E-07	5.95E-08	5.71E-08	0.00E+00	0.00E+00	2.59E-08	4.79E-09	3.10E-08	4.78E-09	4.42E-09	7.09E-08
3559	473363.09	3850377.25	2.40E-04	2.45E-04	2.34E-04	8.29E-08	2.50E-07	1.45E-07	1.45E-07	1.34E-07	6.12E-08	5.86E-08	0.00E+00	0.00E+00	2.67E-08	4.92E-09	3.19E-08	4.91E-09	4.54E-09	7.29E-08
3560	473863.09	3850377.25	2.53E-04	2.59E-04	2.47E-04	8.77E-08	2.65E-07	1.53E-07	1.53E-07	1.42E-07	6.47E-08	6.19E-08	0.00E+00	0.00E+00	2.82E-08	5.20E-09	3.37E-08	5.20E-09	4.79E-09	7.71E-08
3561	474363.09	3850377.25	2.66E-04	2.72E-04	2.59E-04	9.21E-08	2.78E-07	1.61E-07	1.61E-07	1.49E-07	6.81E-08	6.48E-08	0.00E+00	0.00E+00	2.96E-08	5.47E-09	3.55E-08	5.47E-09	5.02E-09	8.10E-08
3562	474863.09	3850377.25	2.73E-04	2.80E-04	2.64E-04	9.47E-08	2.86E-07	1.65E-07	1.65E-07	1.54E-07	7.01E-08	6.62E-08	0.00E+00	0.00E+00	3.04E-08	5.62E-09	3.65E-08	5.63E-09	5.12E-09	8.33E-08
3563	475363.09	3850377.25	2.80E-04	2.87E-04	2.69E-04	9.69E-08	2.93E-07	1.69E-07	1.69E-07	1.57E-07	7.19E-08	6.74E-08	0.00E+00	0.00E+00	3.12E-08	5.75E-09	3.74E-08	5.77E-09	5.22E-09	8.53E-08

3564	475863.09	3850377.25	2.80E-04	2.87E-04	2.68E-04	9.69E-08	2.93E-07	1.69E-07	1.69E-07	1.58E-07	7.19E-08	6.70E-08	0.00E+00	0.00E+00	3.12E-08	5.75E-09	3.74E-08	5.77E-09	5.19E-09	8.53E-08
3565	476363.09	3850377.25	2.75E-04	2.82E-04	2.62E-04	9.51E-08	2.87E-07	1.66E-07	1.66E-07	1.55E-07	7.07E-08	6.56E-08	0.00E+00	0.00E+00	3.06E-08	5.64E-09	3.68E-08	5.68E-09	5.08E-09	8.38E-08
3566	476863.09	3850377.25	2.77E-04	2.84E-04	2.64E-04	9.58E-08	2.89E-07	1.67E-07	1.67E-07	1.56E-07	7.11E-08	6.60E-08	0.00E+00	0.00E+00	3.08E-08	5.68E-09	3.70E-08	5.71E-09	5.11E-09	8.43E-08
3567	477363.09	3850377.25	3.09E-04	3.16E-04	2.98E-04	1.07E-07	3.23E-07	1.87E-07	1.87E-07	1.74E-07	7.92E-08	7.45E-08	0.00E+00	0.00E+00	3.44E-08	6.34E-09	4.12E-08	6.36E-09	5.77E-09	9.41E-08
3568	477863.09	3850377.25	3.61E-04	3.68E-04	3.52E-04	1.25E-07	3.77E-07	2.18E-07	2.18E-07	2.02E-07	9.21E-08	8.82E-08	0.00E+00	0.00E+00	4.01E-08	7.40E-09	4.80E-08	7.40E-09	6.83E-09	1.10E-07
3569	478363.09	3850377.25	3.76E-04	3.83E-04	3.69E-04	1.30E-07	3.93E-07	2.28E-07	2.28E-07	2.10E-07	9.60E-08	9.25E-08	0.00E+00	0.00E+00	4.19E-08	7.72E-09	5.00E-08	7.71E-09	7.16E-09	1.14E-07
3570	478863.09	3850377.25	3.78E-04	3.85E-04	3.72E-04	1.31E-07	3.95E-07	2.29E-07	2.29E-07	2.11E-07	9.64E-08	9.32E-08	0.00E+00	0.00E+00	4.21E-08	7.77E-09	5.02E-08	7.74E-09	7.22E-09	1.15E-07
3571	479363.09	3850377.25	3.71E-04	3.80E-04	3.61E-04	1.29E-07	3.88E-07	2.25E-07	2.25E-07	2.08E-07	9.50E-08	9.03E-08	0.00E+00	0.00E+00	4.13E-08	7.62E-09	4.95E-08	7.63E-09	6.99E-09	1.13E-07
3572	479863.09	3850377.25	3.39E-04	3.50E-04	3.16E-04	1.17E-07	3.54E-07	2.05E-07	2.05E-07	1.92E-07	8.76E-08	7.91E-08	0.00E+00	0.00E+00	3.77E-08	6.95E-09	4.56E-08	7.03E-09	6.12E-09	1.03E-07
3573	480363.09	3850377.25	3.12E-04	3.25E-04	2.85E-04	1.08E-07	3.26E-07	1.89E-07	1.89E-07	1.78E-07	8.12E-08	7.12E-08	0.00E+00	0.00E+00	3.48E-08	6.41E-09	4.23E-08	6.52E-09	5.51E-09	9.55E-08
3574	480863.09	3850377.25	2.88E-04	2.98E-04	2.64E-04	9.95E-08	3.01E-07	1.74E-07	1.74E-07	1.64E-07	7.46E-08	6.61E-08	0.00E+00	0.00E+00	3.20E-08	5.91E-09	3.89E-08	5.99E-09	5.12E-09	8.79E-08
3575	481363.09	3850377.25	2.01E-04	2.08E-04	1.87E-04	6.97E-08	2.10E-07	1.22E-07	1.22E-07	1.14E-07	5.21E-08	4.68E-08	0.00E+00	0.00E+00	2.24E-08	4.13E-09	2.71E-08	4.18E-09	3.62E-09	6.15E-08
3576	481863.09	3850377.25	1.93E-04	1.99E-04	1.79E-04	6.66E-08	2.01E-07	1.16E-07	1.16E-07	1.09E-07	4.97E-08	4.49E-08	0.00E+00	0.00E+00	2.14E-08	3.95E-09	2.59E-08	3.99E-09	3.47E-09	5.87E-08
3577	482363.09	3850377.25	1.76E-04	1.81E-04	1.64E-04	6.08E-08	1.84E-07	1.06E-07	1.06E-07	9.93E-08	4.53E-08	4.11E-08	0.00E+00	0.00E+00	1.95E-08	3.61E-09	2.36E-08	3.64E-09	3.18E-09	5.36E-08
3578	482863.09	3850377.25	1.34E-04	1.37E-04	1.27E-04	4.63E-08	1.40E-07	8.10E-08	8.10E-08	7.53E-08	3.44E-08	3.18E-08	0.00E+00	0.00E+00	1.49E-08	2.75E-09	1.79E-08	2.76E-09	2.46E-09	4.08E-08
3579	483363.09	3850377.25	1.17E-04	1.20E-04	1.12E-04	4.04E-08	1.22E-07	7.06E-08	7.06E-08	6.56E-08	2.99E-08	2.80E-08	0.00E+00	0.00E+00	1.30E-08	2.40E-09	1.56E-08	2.40E-09	2.17E-09	3.55E-08
3580	483863.09	3850377.25	1.22E-04	1.25E-04	1.17E-04	4.24E-08	1.28E-07	7.41E-08	7.41E-08	6.88E-08	3.14E-08	2.93E-08	0.00E+00	0.00E+00	1.36E-08	2.51E-09	1.63E-08	2.52E-09	2.27E-09	3.73E-08
3581	484363.09	3850377.25	1.37E-04	1.41E-04	1.30E-04	4.76E-08	1.44E-07	8.31E-08	8.31E-08	7.74E-08	3.53E-08	3.26E-08	0.00E+00	0.00E+00	1.53E-08	2.82E-09	1.84E-08	2.84E-09	2.52E-09	4.19E-08
3582	484863.09	3850377.25	1.52E-04	1.56E-04	1.43E-04	5.26E-08	1.59E-07	9.20E-08	9.20E-08	8.58E-08	3.91E-08	3.58E-08	0.00E+00	0.00E+00	1.69E-08	3.12E-09	2.04E-08	3.14E-09	2.77E-09	4.63E-08
3583	485363.09	3850377.25	1.57E-04	1.61E-04	1.49E-04	5.43E-08	1.64E-07	9.49E-08	9.49E-08	8.82E-08	4.02E-08	3.72E-08	0.00E+00	0.00E+00	1.75E-08	3.22E-09	2.10E-08	3.23E-09	2.88E-09	4.77E-08
3584	485863.09	3850377.25	1.48E-04	1.52E-04	1.42E-04	5.14E-08	1.55E-07	8.98E-08	8.98E-08	8.32E-08	3.80E-08	3.56E-08	0.00E+00	0.00E+00	1.65E-08	3.05E-09	1.98E-08	3.05E-09	2.75E-09	4.51E-08
3585	486363.09	3850377.25	1.42E-04	1.45E-04	1.36E-04	4.92E-08	1.49E-07	8.60E-08	8.60E-08	7.97E-08	3.64E-08	3.42E-08	0.00E+00	0.00E+00	1.58E-08	2.92E-09	1.89E-08	2.92E-09	2.64E-09	4.33E-08
3586	486863.09	3850377.25	1.39E-04	1.42E-04	1.34E-04	4.80E-08	1.45E-07	8.40E-08	8.40E-08	7.78E-08	3.55E-08	3.34E-08	0.00E+00	0.00E+00	1.54E-08	2.85E-09	1.85E-08	2.85E-09	2.59E-09	4.22E-08
3587	487363.09	3850377.25	1.28E-04	1.31E-04	1.23E-04	4.42E-08	1.34E-07	7.73E-08	7.73E-08	7.16E-08	3.27E-08	3.09E-08	0.00E+00	0.00E+00	1.42E-08	2.62E-09	1.70E-08	2.62E-09	2.39E-09	3.89E-08
3588	487863.09	3850377.25	1.24E-04	1.27E-04	1.19E-04	4.29E-08	1.29E-07	7.49E-08	7.49E-08	6.94E-08	3.17E-08	2.99E-08	0.00E+00	0.00E+00	1.38E-08	2.54E-09	1.65E-08	2.54E-09	2.31E-09	3.77E-08
3589	488363.09	3850377.25	1.28E-04	1.31E-04	1.23E-04	4.43E-08	1.34E-07	7.74E-08	7.74E-08	7.17E-08	3.27E-08	3.09E-08	0.00E+00	0.00E+00	1.42E-08	2.63E-09	1.70E-08	2.63E-09	2.39E-09	3.89E-08
3590	488863.09	3850377.25	1.34E-04	1.37E-04	1.29E-04	4.65E-08	1.40E-07	8.12E-08	8.12E-08	7.52E-08	3.43E-08	3.24E-08	0.00E+00	0.00E+00	1.49E-08	2.76E-09	1.79E-08	2.76E-09	2.51E-09	4.08E-08
3591	489363.09	3850377.25	1.38E-04	1.41E-04	1.34E-04	4.79E-08	1.45E-07	8.38E-08	8.38E-08	7.75E-08	3.54E-08	3.34E-08	0.00E+00	0.00E+00	1.54E-08	2.84E-09	1.84E-08	2.84E-09	2.59E-09	4.21E-08
3592	489863.09	3850377.25	1.38E-04	1.41E-04	1.33E-04	4.77E-08	1.44E-07	8.34E-08	8.34E-08	7.72E-08	3.52E-08	3.33E-08	0.00E+00	0.00E+00	1.53E-08	2.83E-09	1.83E-08	2.83E-09	2.58E-09	4.19E-08
3593	490363.09	3850377.25	1.39E-04	1.42E-04	1.34E-04	4.82E-08	1.45E-07	8.42E-08	8.42E-08	7.80E-08	3.56E-08	3.36E-08	0.00E+00	0.00E+00	1.55E-08	2.86E-09	1.85E-08	2.86E-09	2.60E-09	4.23E-08
3594	490863.09	3850377.25	1.43E-04	1.46E-04	1.38E-04	4.95E-08	1.49E-07	8.64E-08	8.64E-08	8.00E-08	3.65E-08	3.45E-08	0.00E+00	0.00E+00	1.59E-08	2.93E-09	1.90E-08	2.93E-09	2.67E-09	4.35E-08
3595	491363.09	3850377.25	1.44E-04	1.48E-04	1.39E-04	5.00E-08	1.51E-07	8.74E-08	8.74E-08	8.09E-08	3.69E-08	3.49E-08	0.00E+00	0.00E+00	1.61E-08	2.97E-09	1.92E-08	2.96E-09	2.70E-09	4.39E-08
3596	491863.09	3850377.25	1.42E-04	1.45E-04	1.37E-04	4.91E-08	1.48E-07	8.59E-08	8.59E-08	7.95E-08	3.63E-08	3.43E-08	0.00E+00	0.00E+00	1.58E-08	2.92E-09	1.89E-08	2.91E-09	2.65E-09	4.32E-08
3597	492363.09	3850377.25	1.40E-04	1.43E-04	1.35E-04	4.86E-08	1.47E-07	8.49E-08	8.49E-08	7.86E-08	3.59E-08	3.39E-08	0.00E+00	0.00E+00	1.56E-08	2.88E-09	1.87E-08	2.88E-09	2.62E-09	4.27E-08
3598	492863.09	3850377.25	1.44E-04	1.47E-04	1.39E-04	4.98E-08	1.50E-07	8.70E-08	8.70E-08	8.06E-08	3.68E-08	3.47E-08	0.00E+00	0.00E+00	1.60E-08	2.95E-09	1.91E-08	2.95E-09	2.69E-09	4.38E-08
3599	493363.09	3850377.25	1.46E-04	1.49E-04	1.41E-04	5.05E-08	1.52E-07	8.82E-08	8.82E-08	8.17E-08	3.73E-08	3.52E-08	0.00E+00	0.00E+00	1.62E-08	2.99E-09	1.94E-08	2.99E-09	2.73E-09	4.44E-08
3600	493863.09	3850377.25	1.61E-04	1.65E-04	1.55E-04	5.58E-08	1.69E-07	9.76E-08	9.76E-08	9.04E-08	4.13E-08	3.88E-08	0.00E+00	0.00E+00	1.80E-08	3.31E-09	2.15E-08	3.31E-09	3.01E-09	4.91E-08
3601	494363.09	3850377.25	1.76E-04	1.80E-04	1.69E-04	6.09E-08	1.84E-07	1.06E-07	1.06E-07	9.87E-08	4.50E-08	4.23E-08	0.00E+00	0.00E+00	1.96E-08	3.61E-09	2.35E-08	3.62E-09	3.27E-09	5.35E-08
3602	494863.09	3850377.25	1.98E-04	2.03E-04	1.90E-04	6.86E-08	2.07E-07	1.20E-07	1.20E-07	1.11E-07	5.08E-08	4.75E-08	0.00E+00	0.00E+00	2.21E-08	4.07E-09	2.64E-08	4.08E-09	3.68E-09	6.03E-08
3603	495363.09	3850377.25	2.23E-04	2.29E-04	2.13E-04	7.72E-08	2.33E-07	1.35E-07	1.35E-07	1.25E-07	5.72E-08	5.33E-08	0.00E+00	0.00E+00	2.48E-08	4.58E-09	2.98E-08	4.59E-09	4.12E-09	6.79E-08
3604	495863.09	3850377.25	2.25E-04	2.31E-04	2.15E-04	7.81E-08	2.36E-07	1.36E-07	1.36E-07	1.27E-07	5.78E-08	5.39E-08	0.00E+00	0.00E+00	2.51E-08	4.63E-09	3.01E-08	4.64E-09	4.17E-09	6.86E-08
3605	496363.09	3850377.25	2.47E-04	2.54E-04	2.35E-04	8.56E-08	2.59E-07	1.50E-07	1.50E-07	1.39E-07	6.35E-08	5.88E-08	0.00E+00	0.00E+00	2.75E-08	5.08E-09	3.31E-08	5.10E-09	4.56E-09	7.54E-08
3606	496863.09	3850377.25	2.67E-04	2.75E-04	2.53E-04	9.25E-08	2.79E-07	1.62E-07	1.62E-07	1.51E-07	6.87E-08	6.33E-08	0.00E+00	0.00E+00	2.98E-08	5.49E-09	3.58E-08	5.52E-09	4.90E-09	8.15E-08
3607	497363.09	3850377.25	2.79E-04	2.87E-04	2.64E-04	9.67E-08	2.92E-07	1.69E-07	1.69E-07	1.57E-07	7.18E-08	6.60E-08	0.00E+00	0.00E+00	3.11E-08	5.74E-09	3.74E-08	5.77E-09	5.11E-09	8.51E-08
3608	497863.09	3850377.25	2.85E-04	2.93E-04	2.69E-04	9.86E-08	2.98E-07	1.72E-07	1.72E-07	1.61E-07	7.33E-08	6.74E-08	0.00E+00	0.00E+00	3.17E-08	5.85E-09	3.82E-08	5.88E-09	5.22E-09	8.68E-08
3609	498363.09	3850377.25	2.91E-04	2.99E-04	2.76E-04	1.01E-07	3.05E-07	1.76E-07	1.76E-07	1.64E-07	7.49E-08	6.90E-08	0.00E+00	0.00E+00	3.24E-08	5.99E-09	3.90E-08	6.02E-09	5.35E-09	8.88E-08
3610	471363.09	3850877.25	1.61E-04	1.65E-04	1.53E-04	5.56E-08	1.68E-07	9.71E-08	9.71E-08	9.04E-08	4.12E-08	3.83E-08	0.00E+00	0.00E+00	1.79E-08	3.30E-09	2.15E-08	3.31E-09	2.97E-09	4.89E-08
3611	471863.09	3850877.25	1.75E-04	1.80E-04	1.68E-04	6.07E-08	1.83E-07	1.06E-07	1.06E-07	9.86E-08	4.50E-08	4.20E-08	0.00E+00	0.00E+00	1.95E-08	3.60E-09	2.34E-08	3.61E-09	3.25E-09	5.34E-08
3612	472363.09	3850877.25	1.99E-04	2.04E-04	1.92E-04	6.90E-08	2.08E-07	1.21E-07	1.21E-07	1.12E-07	5.10E-08	4.81E-08	0.00E+00	0.00E+00	2.22E-08	4.09E-09	2.66E-08	4.10E-09	3.72E-09	6.07E-08
3613	472863.09	3850877.25	2.28E-04	2.33E-04	2.22E-04	7.90E-08	2.38E-07	1.38E-07	1.38E-07	1.28E-07	5.83E-08	5.56E-08	0.00E+00	0.00E+00	2.54E-08	4.69E-09	3.04E-08	4.68E-09	4.30E-09	6.94E-08
3614	473363.09	3850877.25	2.23E-04	2.28E-04	2.17E-04	7.71E-08	2.33E-07	1.35E-07	1.35E-07	1.25E-07	5.70E-08	5.42E-08	0.00E+00	0.00E+00	2.48E-08	4.58E-09	2.97E-08	4.58E-09	4.20E-09	6.78E-08
3615	473863.09	3850877.25	2.51E-04	2.56E-04	2.45E-04	8.69E-08	2.62E-07	1.52E-07	1.52E-07	1.41E-07	6.42E-08	6.14E-08	0.00E+00	0.00E+00	2.80E-08	5.16E-09	3.34E-08	5.15E-09	4.75E-09	7.64E-08
3616	474363.09	3850877.25	2.82E-04	2.87E-04	2.76E-04	9.75E-08	2.94E-07	1.70E-07	1.70E-07	1.58E-07	7.19E-08	6.90E-08	0.00E+00	0.00E+00	3.13E-08	5.78E-09	3.74E-08	5.77E-09	5.34E-09	8.57E-08
3617	474863.09	3850877.25	2.93E-04	2.99E-04	2.86E-04	1.01E-07	3.06E-07	1.77E-07	1.77E-07	1.64E-07	7.49E-08	7.16E-08	0.00E+00	0.00E+00	3.26E-08	6.02E-09	3.90E-08	6.01E-09	5.54E-09	8.92E-08
3618	475363.09	3850877.25	3.03E-04	3.10E-04	2.94E-04	1.05E-07	3.17E-07	1.83E-07	1.83E-07	1.70E-07	7.75E-08	7.37E-08	0.00E+00	0.00E+00	3.37E-08	6.22E-09	4.04E-08	6.23E-09	5.70E-09	9.23E-08
3619	475863.09	3850877.25	3.11E-04	3.19E-04	3.00E-04	1.08E-07	3.25E-07	1.88E-07	1.88E-07	1.75E-07	7.98E-08	7.52E-08	0.00E+00	0.00E+00	3.47E-08	6.39E-09	4.16E-08	6.41E-09	5.82E-09	9.48E-08
3620	476363.09	3850877.25	3.15E-04	3.23E-04	3.03E-04	1.09E-07	3.30E-07	1.91E-07	1.91E-07	1.77E-07	8.09E-08	7.57E-08	0.00E+00	0.00E+00	3.51E-08	6.47E-09	4.21E-08	6.50E-09	5.86E-09	9.61E-08
3621	476863.09	3850877.25	3.13E-04	3.22E-04	2.99E-04	1.08E-07	3.27E-07	1.90E-07	1.90E-07	1.76E-07	8.05E-08	7.48E-08	0.00E+00	0.00E+00	3.49E-08	6.43E-09	4.19E-08	6.47E-09	5.79E-09	9.55E-08
3622	477363.09	3850877.25	3.16E-04	3.24E-04	3.00E-04	1.09E-07	3.30E-07	1.91E-07	1.91E-07	1.78E-07	8.12E-08	7.52E-08	0.00E+00	0.00E+00	3.51E-08	6.48E-09	4.23E-08	6.52E-09	5.82E-09	9.62E-08
3623	477863.09	3850877.25	3.48E-04	3.57E-04	3.35E-04	1.21E-07	3.64E-07	2.11E-07	2.11E-07	1.96E-07	8.93E-08	8.38E-08	0.00E+00	0.00E+00	3.88E-08	7.15E-09	4.65E-08	7.17E-09	6.49E-09	1.06E-07
3624	478363.09	3850877.25	4.13E-04	4.22E-04	4.03E-04	1.43E-07	4.32E-07	2.50E-07	2.50E-07	2.31E-07	1.06E-07	1.01E-07	0.00E+00	0.00E+00	4.60E-08	8.48E-09	5.50E-08	8.48E-09	7.81E-09	1.26E-07
3625	478863.09	3850877.25	4.59E-04	4.68E-04	4.52E-04	1.59E-07	4.80E-07	2.78E-07	2.78E-07	2.57E-07	1.17E-07	1.13E-07	0.00E+00	0.00E+00	5.11E-08	9.43E-09	6.09E-08	9.40E-09	8.76E-09	1.40E-07
3626	479363.09	3850877.25	4.42E-04	4.50E-04	4.35E-04	1.53E-07	4.62E-07	2.67E-07	2.67E-07	2.47E-07	1.13E-07	1.09E-07	0.00E+00	0.00E+00	4.92E-08	9.08E-09	5.87E-08	9.05E-09	8.43E-09	1.34E-07
3627	479863.09	3850877.25	4.12E-04	4.22E-04	3.99E-04	1.43E-07	4.31E-07	2.49E-07	2.49E-07	2.31E-07	1.06E-07	9.99E-08	0.00E+00	0.00E+00	4.59E-08	8.46E-09	5.50E-08	8.47E-09	7.74E-09	1.25E-07
3628	480363.09	3850877.25	4.21E-04	4.33E-04	3.97E-04	1.46E-07	4.40E-07	2.54E-07	2.54E-07	2.38E-07	1.08E-07	9.94E-08	0.00E+00	0.00E+00	4.68E-08	8.64E-09	5.65E-08	8.71E-09	7.70E-09	1.28E-07
3629	480863.09	3850877.25	3.97E-04	4.11E-04	3.66E-04	1.37E-07	4.15E-07	2.40E-07	2.40E-07	2.26E-07	1.03E-07	9.15E-08	0.00E+00	0.00E+00	4.42E-08	8.15E-09	5.36E-08	8.27E-09	7.08E-09	1.21E-07
3630	481363.09	3850877.25	3.37E-04	3.49E-04	3.11E-04	1.17E-07	3.52E-07	2.04E-07	2.04E-07	1.92E-07	8.75E-08	7.77E-08	0.00E+00	0.00E+00	3.75E-08	6.92E-09	4.55E-08	7.02E-09	6.02E-09	1.03E-07
3631	481863.09	3850877.25	2.85E-04	2.95E-04	2.64E-04	9.88E-08	2.98E-07	1.73E-07	1.73E-07	1.62E-07	7.39E-08	6.61E-08	0.00E+00	0.00E+00	3.18E-08	5.86E-09	3.85E-08	5.94E-09	5.12E-09	8.72E-08
3632	482363.09	3850877.25	2.32E-04	2.40E-04	2.14E-04	8.02E-08	2.42E-07	1.40E-07	1.40E-07	1.31E-07	6.00E-08	5.36E-08	0.00E+00	0.00E+00	2.58E-08	4.76E-09	3.12E-08	4.82E-09	4.15E-09	7.08E-08
3633	482863.09	3850877.25	1.93E-04	2.00E-04	1.80E-04	6.69E-08	2.02E-07	1.17E-07	1.17E-07	1.09E-07	5.00E-08	4.50E-08	0.00E+00	0.00E+00	2.15E-08	3.97E-09	2.60E-08	4.01E-09	3.49E-09	5.90E-08
3634	483363.09	3850877.25	1.59E-04	1.63E-04	1.49E-04	5.50E-08	1.66E-07	9.61E-08	9.61E-08	8.96E-08	4.09E-08	3.74E-08	0.00E+00	0.00E+00	1.77E-08	3.26E-09	2.13E-08	3.28E-09	2.90E-09	4.84E-08
3635	483863.09	3850877.25	1.54E-04	1.58E-04	1.46E-04	5.34E-08	1.61E-07	9.33E-08	9.33E-08	8.69E-08	3.97E-08	3.65E-08	0.00E+00	0.00E+00	1.72E-08	3.17E-09	2.06E-08	3.18E-09	2.82E-09	4.70E-08
3636	484363.09	3850877.25	1.73E-04	1.78E-04	1.62E-04	5.97E-08	1.80E-07	1.04E-07	1.04E-07	9.75E-08	4.45E-08	4.05E-08	0.00E+00	0.00E+00	1.92E-08	3.54E-09	2.32E-08	3.57E-09	3.14E-09	5.26E-08
3637	484863.09	3850877.25	1.69E-04	1.74E-04	1.58E-04	5.85E-08	1.77E-07	1.02E-07	1.02E-07	9.56E-08	4.36E-08	3.95E-08	0.00E+00	0.00E+00	1.88E-08	3.47E-09	2.27E-08	3.50E-09	3.06E-09	5.16E-08
3638	485363.09	3850877.25	1.78E-04	1.83E-04	1.68E-04	6.18E-08	1.87E-07	1.08E-07	1.08E-07	1.01E-07	4.59E-08	4.21E-08	0.00E+00	0.00E+00	1.99E-08	3.67E-09	2.39E-08	3.69E-09	3.26E-09	5.44E-08
3639	485863.09	3850877.25	1.68E-04	1.72E-04	1.60E-04	5.80E-08	1.75E-07	1.01E-07	1.01E-07	9.41E-08	4.30E-08	4.00E-08	0.00E+00	0.00E+00	1.87E-08	3.44E-09	2.24E-08	3.45E-09	3.09E-09	5.10E-08
3640	486363.09	3850877.25	1.70E-04	1.74E-04	1.62E-04	5.87E-08	1.77E-07	1.03E-07	1.03E-07	9.52E-08	4.34E-08	4.06E-08	0.00E+00	0.00E+00	1.89E-08	3.48E-09	2.26E-08	3.49E-09	3.14E-09	5.16E-08
3641	486863.09	3850877.25	1.65E-04	1.69E-04	1.58E-04	5.71E-08	1.72E-07	9.98E-08	9.98E-08	9.26E-08	4.22E-08	3.96E-08	0.00E+00	0.00E+00	1.84E-08	3.39E-09	2.20E-08	3.39E-09	3.07E-09	5.02E-08
3642	487363.09	3850877.25	1.50E-04	1.53E-04	1.44E-04	5.19E-08	1.57E-07	9.08E-08	9.08E-08	8.42E-08	3.84E-08	3.61E-08	0.00E+00	0.00E+00	1.67E-08	3.08E-09	2.00E-08	3.08E-09	2.80E-09	4.57E-08
3643	487863.09	3850877.25	1.46E-04	1.49E-04	1.40E-04	5.04E-08	1.52E-07	8.81E-08	8.81E-08	8.17E-08	3.73E-08	3.50E-08	0.00E+00	0.00E+00	1.62E-08	2.99E-09	1.94E-08	2.99E-09	2.71E-09	4.43E-08
3644	488363.09	3850877.25	1.52E-04	1.56E-04	1.46E-04	5.27E-08	1.59E-07	9.21E-08	9.21E-08	8.55E-08	3.90E-08	3.65E-08	0.00E+00	0.00E+00	1.69E-08	3.13E-09	2.03E-08	3.13E-09	2.83E-09	4.63E-08
3645	488863.09	3850877.25	1.58E-04	1.62E-04	1.52E-04	5.49E-08	1.66E-07	9.59E-08	9.59E-08	8.89E-08	4.06E-08	3.81E-08	0.00E+00	0.00E+00	1.76E-08	3.25E-09	2.11E-08	3.26E-09	2.95E-09	4.82E-08
3646	489363.09	3850877.25	1.65E-04	1.68E-04	1.58E-04	5.70E-08	1.72E-07	9.96E-08	9.96E-08	9.23E-08	4.21E-08	3.96E-08	0.00E+00	0.00E+00	1.83E-08	3.38E-09	2.19E-08	3.38E-09	3.07E-09	5.01E-08
3647	489863.09	3850877.25	1.65E-04	1.69E-04	1.59E-04	5.72E-08	1.73E-07	9.99E-08	9.99E-08	9.26E-08	4.23E-08	3.97E-08	0.00E+00	0.00E+00	1.84E-08	3.39E-09	2.20E-08	3.39E-09	3.07E-09	5.02E-08
3648	490363.09	3850877.25	1.71E-04	1.75E-04	1.64E-04	5.91E-08	1.78E-07	1.03E-07	1.03E-07	9.58E-08	4.37E-08	4.11E-08	0.00E+00	0.00E+00	1.90E-08	3.51E-09	2.28E-08	3.51E-09	3.18E-09	5.20E-08
3649	490863.09	3850877.25	1.76E-04	1.80E-04	1.69E-04	6.08E-08	1.84E-07	1.06E-07	1.06E-07	9.86E-08	4.50E-08	4.22E-08	0.00E+00	0.00E+00	1.96E-08	3.61E-09	2.34E-08	3.61E-09	3.27E-09	5.35E-08
3650	491363.09	3850877.25	1.75E-04	1.80E-04	1.68E-04	6.07E-08	1.83E-07	1.06E-07	1.06E-07	9.85E-08	4.50E-08	4.21E-08	0.00E+00	0.00E+00	1.95E-08	3.60E-09	2.34E-08	3.61E-09	3.26E-09	5.34E-08
3651	491863.09	3850877.25	1.75E-04	1.79E-04	1.68E-04	6.06E-08	1.83E-07	1.06E-07	1.06E-07	9.84E-08	4.49E-08	4.20E-08	0.00E+00	0.00E+00	1.95E-08	3.60E-09	2.34E-08	3.60E-09	3.25E-09	5.33E-08
3652	492363.09	3850877.25	1.78E-04	1.82E-04	1.70E-04	6.15E-08	1.86E-07	1.07E-07	1.07E-07	9.97E-08	4.55E-08	4.26E-08	0.00E+00	0.00E+00	1.98E-08	3.65E-09	2.37E-08	3.65E-09	3.30E-09	5.41E-08
3653	492863.09	3850877.25	1.84E-04	1.88E-04	1.76E-04	6.37E-08	1.92E-07	1.11E-07	1.11E-07	1.03E-07	4.72E-08	4.41E-08	0.00E+00	0.00E+00	2.05E-08	3.78E-09	2.46E-08	3.79E-09	3.42E-09	5.60E-08
3654	493363.09	3850877.25	1.94E-04	1.99E-04	1.86E-04	6.73E-08	2.03E-07	1.18E-07	1.18E-07	1.09E-07	4.98E-08	4.65E-08	0.00E+00	0.00E+00	2.16E-08	3.99E-09	2.59E-08	4.00E-09	3.60E-09	5.92E-08
3655	493863.09	3850877.25	2.15E-04	2.21E-04	2.05E-04	7.46E-08	2.25E-07	1.30E-07	1.30E-07	1.21E-07	5.53E-08	5.14E-08	0.00E+00	0.00E+00	2.40E-08	4.42E-09	2.88E-08	4.44E-09	3.98E-09	6.56E-08
3656	494363.09	3850877.25	2.31E-04	2.37E-04	2.20E-04	8.00E-08	2.42E-07	1.40E-07	1.40E-07	1.30E-07	5.93E-08	5.51E-08	0.00E+00	0.00E+00	2.57E-08	4.75E-09	3.09E-08	4.77E-09	4.27E-09	7.04E-08
3657	494863.09	3850877.25	2.56E-04	2.63E-04	2.43E-04	8.87E-08	2.68E-07	1.55E-07	1.55E-07	1.44E-07	6.59E-08	6.09E-08	0.00E+00	0.00E+00	2.85E-08	5.27E-09	3.43E-08	5.29E-09	4.71E-09	7.81E-08
3658	495363.09	3850877.25	2.83E-04	2.90E-04	2.67E-04	9.78E-08	2.95E-07	1.71E-07	1.71E-07	1.59E-07	7.26E-08	6.69E-08	0.00E+00	0.00E+00	3.14E-08	5.80E-09	3.78E-08	5.83E-09	5.18E-09	8.61E-08
3659	495863.09	3850877.25	2.92E-04	3.00E-04	2.76E-04	1.01E-07	3.05E-07	1.77E-07	1.77E-07	1.65E-07	7.51E-08	6.90E-08	0.00E+00	0.00E+00	3.25E-08	6.00E-09	3.91E-08	6.03E-09	5.34E-09	8.90E-08
3660	496363.09	3850877.25	3.05E-04	3.14E-04	2.88E-04	1.06E-07	3.19E-07	1.85E-07	1.85E-07	1.72E-07	7.86E-08	7.20E-08	0.00E+00	0.00E+00	3.40E-08	6.27E-09	4.09E-08	6.31E-09	5.57E-09	9.31E-08
3661	496863.09	3850877.25	3.27E-04	3.37E-04	3.07E-04	1.13E-07	3.42E-07	1.98E-07	1.98E-07	1.85E-07	8.43E-08	7.69E-08	0.00E+00	0.00E+00	3.64E-08	6.72E-09	4.39E-08	6.77E-09	5.96E-09	9.97E-08
3662	497363.09	3850877.25	3.35E-04	3.45E-04	3.15E-04	1.16E-07	3.50E-07	2.03E-07	2.03E-07	1.89E-07	8.63E-08	7.89E-08	0.00E+00	0.00E+00	3.73E-08	6.88E-09	4.49E-08	6.93E-09	6.11E-09	1.02E-07
3663	497863.09	3850877.25	3.40E-04	3.49E-04	3.20E-04	1.18E-07	3.55E-07	2.06E-07	2.06E-07	1.92E-07	8.74E-08	8.01E-08	0.00E+00	0.00E+00	3.78E-08	6.98E-09	4.55E-08	7.02E-09	6.20E-09	1.04E-07
3664	498363.09	3850877.25	3.43E-04	3.53E-04	3.24E-04	1.19E-07	3.59E-07	2.08E-07	2.08E-07	1.94E-07	8.84E-08	8.12E-08	0.00E+00	0.00E+00	3.82E-08	7.05E-09	4.60E-08	7.10E-09	6.28E-09	1.05E-07
3665	471363.09	3851377.25	1.71E-04	1.76E-04	1.63E-04	5.93E-08	1.79E-07	1.04E-07	1.04E-07	9.66E-08	4.41E-08	4.07E-08	0.00E+00	0.00E+00	1.91E-08	3.52E-09	2.30E-08	3.54E-09	3.15E-09	5.22E-08
3666	471863.09	3851377.25	2.03E-04	2.09E-04	1.93E-04	7.03E-08	2.12E-07	1.23E-07	1.23E-07	1.14E-07	5.22E-08	4.83E-08	0.00E+00	0.00E+00	2.26E-08	4.17E-09	2.72E-08	4.19E-09	3.74E-09	6.19E-08
3667	472363.09	3851377.25	2.08E-04	2.13E-04	1.98E-04	7.19E-08	2.17E-07	1.26E-07	1.26E-07	1.17E-07	5.34E-08	4.95E-08	0.00E+00	0.00E+00	2.31E-08	4.27E-09	2.78E-08	4.29E-09	3.83E-09	6.33E-08
3668	472863.09	3851377.25	2.13E-04	2.18E-04	2.03E-04	7.36E-08	2.22E-07	1.29E-07	1.29E-07	1.20E-07	5.47E-08	5.08E-08	0.00E+00	0.00E+00	2.37E-08	4.37E-09	2.85E-08	4.39E-09	3.94E-09	6.48E-08

3669	473363.09	3851377.25	1.99E-04	2.04E-04	1.90E-04	6.89E-08	2.08E-07	1.20E-07	1.20E-07	1.12E-07	5.11E-08	4.76E-08	0.00E+00	0.00E+00	2.22E-08	4.09E-09	2.66E-08	4.10E-09	3.69E-09	6.06E-08
3670	473863.09	3851377.25	2.13E-04	2.18E-04	2.04E-04	7.36E-08	2.22E-07	1.29E-07	1.29E-07	1.19E-07	5.45E-08	5.12E-08	0.00E+00	0.00E+00	2.37E-08	4.37E-09	2.84E-08	4.38E-09	3.96E-09	6.48E-08
3671	474363.09	3851377.25	2.54E-04	2.60E-04	2.47E-04	8.81E-08	2.66E-07	1.54E-07	1.54E-07	1.43E-07	6.51E-08	6.18E-08	0.00E+00	0.00E+00	2.83E-08	5.23E-09	3.39E-08	5.23E-09	4.78E-09	7.75E-08
3672	474863.09	3851377.25	2.91E-04	2.97E-04	2.83E-04	1.01E-07	3.04E-07	1.76E-07	1.76E-07	1.63E-07	7.43E-08	7.09E-08	0.00E+00	0.00E+00	3.23E-08	5.97E-09	3.87E-08	5.96E-09	5.49E-09	8.84E-08
3673	475363.09	3851377.25	3.15E-04	3.22E-04	3.08E-04	1.09E-07	3.30E-07	1.91E-07	1.91E-07	1.77E-07	8.06E-08	7.71E-08	0.00E+00	0.00E+00	3.51E-08	6.48E-09	4.20E-08	6.47E-09	5.97E-09	9.60E-08
3674	475863.09	3851377.25	3.29E-04	3.37E-04	3.21E-04	1.14E-07	3.44E-07	1.99E-07	1.99E-07	1.85E-07	8.42E-08	8.03E-08	0.00E+00	0.00E+00	3.67E-08	6.76E-09	4.39E-08	6.76E-09	6.21E-09	1.00E-07
3675	476363.09	3851377.25	3.41E-04	3.49E-04	3.30E-04	1.18E-07	3.56E-07	2.06E-07	2.06E-07	1.91E-07	8.73E-08	8.26E-08	0.00E+00	0.00E+00	3.80E-08	7.00E-09	4.55E-08	7.01E-09	6.40E-09	1.04E-07
3676	476863.09	3851377.25	3.40E-04	3.49E-04	3.26E-04	1.18E-07	3.55E-07	2.06E-07	2.06E-07	1.91E-07	8.73E-08	8.15E-08	0.00E+00	0.00E+00	3.78E-08	6.98E-09	4.55E-08	7.01E-09	6.31E-09	1.04E-07
3677	477363.09	3851377.25	3.56E-04	3.66E-04	3.40E-04	1.23E-07	3.72E-07	2.15E-07	2.15E-07	2.01E-07	9.15E-08	8.51E-08	0.00E+00	0.00E+00	3.96E-08	7.31E-09	4.77E-08	7.35E-09	6.59E-09	1.09E-07
3678	477863.09	3851377.25	3.60E-04	3.70E-04	3.42E-04	1.25E-07	3.76E-07	2.18E-07	2.18E-07	2.03E-07	9.26E-08	8.56E-08	0.00E+00	0.00E+00	4.00E-08	7.39E-09	4.82E-08	7.44E-09	6.63E-09	1.10E-07
3679	478363.09	3851377.25	3.90E-04	4.00E-04	3.73E-04	1.35E-07	4.08E-07	2.36E-07	2.36E-07	2.20E-07	1.00E-07	9.34E-08	0.00E+00	0.00E+00	4.34E-08	8.01E-09	5.22E-08	8.04E-09	7.23E-09	1.19E-07
3680	478863.09	3851377.25	4.69E-04	4.80E-04	4.57E-04	1.62E-07	4.90E-07	2.84E-07	2.84E-07	2.63E-07	1.20E-07	1.14E-07	0.00E+00	0.00E+00	5.22E-08	9.63E-09	6.25E-08	9.64E-09	8.85E-09	1.43E-07
3681	479363.09	3851377.25	5.19E-04	5.29E-04	5.09E-04	1.80E-07	5.42E-07	3.14E-07	3.14E-07	2.90E-07	1.32E-07	1.27E-07	0.00E+00	0.00E+00	5.78E-08	1.07E-08	6.90E-08	1.06E-08	9.87E-09	1.58E-07
3682	479863.09	3851377.25	5.11E-04	5.21E-04	5.02E-04	1.77E-07	5.34E-07	3.09E-07	3.09E-07	2.86E-07	1.30E-07	1.26E-07	0.00E+00	0.00E+00	5.69E-08	1.05E-08	6.79E-08	1.05E-08	9.74E-09	1.56E-07
3683	480363.09	3851377.25	4.94E-04	5.05E-04	4.80E-04	1.71E-07	5.16E-07	2.99E-07	2.99E-07	2.77E-07	1.26E-07	1.20E-07	0.00E+00	0.00E+00	5.49E-08	1.01E-08	6.58E-08	1.01E-08	9.30E-09	1.50E-07
3684	480863.09	3851377.25	4.98E-04	5.13E-04	4.71E-04	1.72E-07	5.20E-07	3.01E-07	3.01E-07	2.81E-07	1.28E-07	1.18E-07	0.00E+00	0.00E+00	5.54E-08	1.02E-08	6.68E-08	1.03E-08	9.12E-09	1.52E-07
3685	481363.09	3851377.25	4.58E-04	4.75E-04	4.22E-04	1.59E-07	4.79E-07	2.77E-07	2.77E-07	2.60E-07	1.19E-07	1.06E-07	0.00E+00	0.00E+00	5.10E-08	9.40E-09	6.19E-08	9.54E-09	8.18E-09	1.40E-07
3686	481863.09	3851377.25	3.86E-04	4.00E-04	3.55E-04	1.34E-07	4.03E-07	2.34E-07	2.34E-07	2.20E-07	1.00E-07	8.89E-08	0.00E+00	0.00E+00	4.30E-08	7.93E-09	5.22E-08	8.04E-09	6.88E-09	1.18E-07
3687	482363.09	3851377.25	3.36E-04	3.49E-04	3.10E-04	1.16E-07	3.52E-07	2.04E-07	2.04E-07	1.91E-07	8.72E-08	7.76E-08	0.00E+00	0.00E+00	3.74E-08	6.91E-09	4.54E-08	7.00E-09	6.01E-09	1.03E-07
3688	482863.09	3851377.25	2.71E-04	2.81E-04	2.48E-04	9.37E-08	2.83E-07	1.64E-07	1.64E-07	1.54E-07	7.02E-08	6.21E-08	0.00E+00	0.00E+00	3.01E-08	5.56E-09	3.66E-08	5.64E-09	4.81E-09	8.27E-08
3689	483363.09	3851377.25	2.05E-04	2.11E-04	1.90E-04	7.08E-08	2.14E-07	1.24E-07	1.24E-07	1.16E-07	5.29E-08	4.75E-08	0.00E+00	0.00E+00	2.28E-08	4.20E-09	2.76E-08	4.25E-09	3.68E-09	6.25E-08
3690	483863.09	3851377.25	1.85E-04	1.91E-04	1.73E-04	6.42E-08	1.94E-07	1.12E-07	1.12E-07	1.05E-07	4.79E-08	4.33E-08	0.00E+00	0.00E+00	2.06E-08	3.81E-09	2.49E-08	3.84E-09	3.35E-09	5.66E-08
3691	484363.09	3851377.25	2.25E-04	2.33E-04	2.09E-04	7.80E-08	2.36E-07	1.36E-07	1.36E-07	1.28E-07	5.82E-08	5.24E-08	0.00E+00	0.00E+00	2.51E-08	4.63E-09	3.03E-08	4.68E-09	4.05E-09	6.88E-08
3692	484863.09	3851377.25	1.76E-04	1.81E-04	1.65E-04	6.09E-08	1.84E-07	1.06E-07	1.06E-07	9.94E-08	4.53E-08	4.12E-08	0.00E+00	0.00E+00	1.96E-08	3.61E-09	2.36E-08	3.64E-09	3.19E-09	5.36E-08
3693	485363.09	3851377.25	2.09E-04	2.15E-04	1.95E-04	7.23E-08	2.18E-07	1.26E-07	1.26E-07	1.18E-07	5.39E-08	4.87E-08	0.00E+00	0.00E+00	2.32E-08	4.29E-09	2.81E-08	4.33E-09	3.77E-09	6.37E-08
3694	485863.09	3851377.25	1.96E-04	2.01E-04	1.86E-04	6.79E-08	2.05E-07	1.19E-07	1.19E-07	1.10E-07	5.04E-08	4.64E-08	0.00E+00	0.00E+00	2.18E-08	4.03E-09	2.62E-08	4.04E-09	3.60E-09	5.97E-08
3695	486363.09	3851377.25	2.06E-04	2.11E-04	1.96E-04	7.14E-08	2.16E-07	1.25E-07	1.25E-07	1.16E-07	5.29E-08	4.91E-08	0.00E+00	0.00E+00	2.30E-08	4.24E-09	2.76E-08	4.25E-09	3.80E-09	6.28E-08
3696	486863.09	3851377.25	1.98E-04	2.03E-04	1.89E-04	6.85E-08	2.07E-07	1.20E-07	1.20E-07	1.11E-07	5.07E-08	4.73E-08	0.00E+00	0.00E+00	2.20E-08	4.06E-09	2.64E-08	4.07E-09	3.66E-09	6.02E-08
3697	487363.09	3851377.25	1.69E-04	1.73E-04	1.63E-04	5.86E-08	1.77E-07	1.02E-07	1.02E-07	9.50E-08	4.34E-08	4.07E-08	0.00E+00	0.00E+00	1.89E-08	3.48E-09	2.26E-08	3.48E-09	3.15E-09	5.15E-08
3698	487863.09	3851377.25	1.74E-04	1.79E-04	1.66E-04	6.03E-08	1.82E-07	1.05E-07	1.05E-07	9.80E-08	4.47E-08	4.16E-08	0.00E+00	0.00E+00	1.94E-08	3.58E-09	2.33E-08	3.59E-09	3.22E-09	5.31E-08
3699	488363.09	3851377.25	1.85E-04	1.90E-04	1.77E-04	6.41E-08	1.94E-07	1.12E-07	1.12E-07	1.04E-07	4.75E-08	4.42E-08	0.00E+00	0.00E+00	2.06E-08	3.80E-09	2.48E-08	3.82E-09	3.42E-09	5.64E-08
3700	488863.09	3851377.25	1.95E-04	1.99E-04	1.86E-04	6.74E-08	2.04E-07	1.18E-07	1.18E-07	1.09E-07	4.99E-08	4.66E-08	0.00E+00	0.00E+00	2.17E-08	4.00E-09	2.60E-08	4.01E-09	3.61E-09	5.93E-08
3701	489363.09	3851377.25	2.01E-04	2.06E-04	1.92E-04	6.95E-08	2.10E-07	1.21E-07	1.21E-07	1.13E-07	5.14E-08	4.81E-08	0.00E+00	0.00E+00	2.23E-08	4.12E-09	2.68E-08	4.13E-09	3.72E-09	6.11E-08
3702	489863.09	3851377.25	2.04E-04	2.09E-04	1.95E-04	7.06E-08	2.13E-07	1.23E-07	1.23E-07	1.15E-07	5.23E-08	4.88E-08	0.00E+00	0.00E+00	2.27E-08	4.19E-09	2.72E-08	4.20E-09	3.78E-09	6.21E-08
3703	490363.09	3851377.25	2.12E-04	2.18E-04	2.03E-04	7.35E-08	2.22E-07	1.28E-07	1.28E-07	1.19E-07	5.45E-08	5.08E-08	0.00E+00	0.00E+00	2.36E-08	4.36E-09	2.84E-08	4.37E-09	3.93E-09	6.47E-08
3704	490863.09	3851377.25	2.18E-04	2.24E-04	2.08E-04	7.56E-08	2.28E-07	1.32E-07	1.32E-07	1.23E-07	5.61E-08	5.21E-08	0.00E+00	0.00E+00	2.43E-08	4.49E-09	2.92E-08	4.50E-09	4.03E-09	6.65E-08
3705	491363.09	3851377.25	2.19E-04	2.24E-04	2.08E-04	7.57E-08	2.29E-07	1.32E-07	1.32E-07	1.23E-07	5.62E-08	5.20E-08	0.00E+00	0.00E+00	2.43E-08	4.49E-09	2.92E-08	4.51E-09	4.03E-09	6.66E-08
3706	491863.09	3851377.25	2.22E-04	2.28E-04	2.11E-04	7.68E-08	2.32E-07	1.34E-07	1.34E-07	1.25E-07	5.70E-08	5.28E-08	0.00E+00	0.00E+00	2.47E-08	4.56E-09	2.97E-08	4.58E-09	4.09E-09	6.76E-08
3707	492363.09	3851377.25	2.31E-04	2.37E-04	2.19E-04	7.98E-08	2.41E-07	1.40E-07	1.40E-07	1.30E-07	5.92E-08	5.48E-08	0.00E+00	0.00E+00	2.57E-08	4.74E-09	3.09E-08	4.76E-09	4.24E-09	7.03E-08
3708	492863.09	3851377.25	2.38E-04	2.44E-04	2.26E-04	8.24E-08	2.49E-07	1.44E-07	1.44E-07	1.34E-07	6.11E-08	5.65E-08	0.00E+00	0.00E+00	2.65E-08	4.89E-09	3.18E-08	4.91E-09	4.38E-09	7.25E-08
3709	493363.09	3851377.25	2.35E-04	2.41E-04	2.24E-04	8.14E-08	2.46E-07	1.42E-07	1.42E-07	1.32E-07	6.04E-08	5.60E-08	0.00E+00	0.00E+00	2.62E-08	4.83E-09	3.14E-08	4.85E-09	4.33E-09	7.16E-08
3710	493863.09	3851377.25	2.59E-04	2.66E-04	2.46E-04	8.98E-08	2.71E-07	1.57E-07	1.57E-07	1.46E-07	6.66E-08	6.15E-08	0.00E+00	0.00E+00	2.89E-08	5.33E-09	3.47E-08	5.35E-09	4.77E-09	7.90E-08
3711	494363.09	3851377.25	3.01E-04	3.09E-04	2.83E-04	1.04E-07	3.14E-07	1.82E-07	1.82E-07	1.70E-07	7.74E-08	7.09E-08	0.00E+00	0.00E+00	3.35E-08	6.17E-09	4.03E-08	6.21E-09	5.49E-09	9.16E-08
3712	494863.09	3851377.25	3.19E-04	3.28E-04	3.01E-04	1.11E-07	3.34E-07	1.93E-07	1.93E-07	1.80E-07	8.22E-08	7.53E-08	0.00E+00	0.00E+00	3.55E-08	6.56E-09	4.28E-08	6.60E-09	5.83E-09	9.73E-08
3713	495363.09	3851377.25	3.60E-04	3.71E-04	3.38E-04	1.25E-07	3.77E-07	2.18E-07	2.18E-07	2.04E-07	9.29E-08	8.45E-08	0.00E+00	0.00E+00	4.01E-08	7.40E-09	4.84E-08	7.46E-09	6.54E-09	1.10E-07
3714	495863.09	3851377.25	3.77E-04	3.88E-04	3.52E-04	1.30E-07	3.94E-07	2.28E-07	2.28E-07	2.13E-07	9.72E-08	8.82E-08	0.00E+00	0.00E+00	4.19E-08	7.74E-09	5.06E-08	7.80E-09	6.83E-09	1.15E-07
3715	496363.09	3851377.25	3.87E-04	3.99E-04	3.62E-04	1.34E-07	4.05E-07	2.34E-07	2.34E-07	2.19E-07	1.00E-07	9.06E-08	0.00E+00	0.00E+00	4.31E-08	7.96E-09	5.21E-08	8.03E-09	7.02E-09	1.18E-07
3716	496863.09	3851377.25	3.96E-04	4.09E-04	3.71E-04	1.37E-07	4.14E-07	2.40E-07	2.40E-07	2.24E-07	1.02E-07	9.28E-08	0.00E+00	0.00E+00	4.41E-08	8.14E-09	5.33E-08	8.21E-09	7.19E-09	1.21E-07
3717	497363.09	3851377.25	4.05E-04	4.17E-04	3.79E-04	1.40E-07	4.23E-07	2.45E-07	2.45E-07	2.29E-07	1.04E-07	9.49E-08	0.00E+00	0.00E+00	4.51E-08	8.31E-09	5.43E-08	8.38E-09	7.35E-09	1.23E-07
3718	497863.09	3851377.25	4.08E-04	4.21E-04	3.83E-04	1.41E-07	4.27E-07	2.47E-07	2.47E-07	2.31E-07	1.05E-07	9.60E-08	0.00E+00	0.00E+00	4.55E-08	8.39E-09	5.48E-08	8.45E-09	7.43E-09	1.25E-07
3719	498363.09	3851377.25	4.02E-04	4.13E-04	3.78E-04	1.39E-07	4.20E-07	2.43E-07	2.43E-07	2.27E-07	1.03E-07	9.47E-08	0.00E+00	0.00E+00	4.47E-08	8.25E-09	5.39E-08	8.31E-09	7.33E-09	1.22E-07
3720	471363.09	3851877.25	1.87E-04	1.92E-04	1.78E-04	6.47E-08	1.95E-07	1.13E-07	1.13E-07	1.05E-07	4.80E-08	4.46E-08	0.00E+00	0.00E+00	2.08E-08	3.84E-09	2.50E-08	3.85E-09	3.45E-09	5.69E-08
3721	471863.09	3851877.25	1.84E-04	1.89E-04	1.75E-04	6.36E-08	1.92E-07	1.11E-07	1.11E-07	1.03E-07	4.72E-08	4.37E-08	0.00E+00	0.00E+00	2.04E-08	3.77E-09	2.46E-08	3.79E-09	3.38E-09	5.60E-08
3722	472363.09	3851877.25	2.02E-04	2.08E-04	1.92E-04	6.99E-08	2.11E-07	1.22E-07	1.22E-07	1.14E-07	5.19E-08	4.80E-08	0.00E+00	0.00E+00	2.25E-08	4.15E-09	2.70E-08	4.17E-09	3.71E-09	6.16E-08
3723	472863.09	3851877.25	2.20E-04	2.26E-04	2.09E-04	7.63E-08	2.30E-07	1.33E-07	1.33E-07	1.24E-07	5.67E-08	5.23E-08	0.00E+00	0.00E+00	2.45E-08	4.52E-09	2.95E-08	4.55E-09	4.05E-09	6.72E-08
3724	473363.09	3851877.25	2.12E-04	2.18E-04	2.01E-04	7.33E-08	2.21E-07	1.28E-07	1.28E-07	1.19E-07	5.45E-08	5.02E-08	0.00E+00	0.00E+00	2.36E-08	4.35E-09	2.84E-08	4.38E-09	3.89E-09	6.46E-08
3725	473863.09	3851877.25	2.16E-04	2.22E-04	2.05E-04	7.48E-08	2.26E-07	1.31E-07	1.31E-07	1.22E-07	5.56E-08	5.13E-08	0.00E+00	0.00E+00	2.41E-08	4.44E-09	2.90E-08	4.47E-09	3.97E-09	6.59E-08
3726	474363.09	3851877.25	2.46E-04	2.53E-04	2.35E-04	8.52E-08	2.57E-07	1.49E-07	1.49E-07	1.39E-07	6.33E-08	5.87E-08	0.00E+00	0.00E+00	2.74E-08	5.05E-09	3.29E-08	5.08E-09	4.54E-09	7.50E-08
3727	474863.09	3851877.25	2.85E-04	2.92E-04	2.74E-04	9.86E-08	2.98E-07	1.72E-07	1.72E-07	1.60E-07	7.30E-08	6.86E-08	0.00E+00	0.00E+00	3.17E-08	5.85E-09	3.80E-08	5.86E-09	5.31E-09	8.67E-08
3728	475363.09	3851877.25	3.12E-04	3.19E-04	3.02E-04	1.08E-07	3.26E-07	1.89E-07	1.89E-07	1.75E-07	7.98E-08	7.55E-08	0.00E+00	0.00E+00	3.47E-08	6.40E-09	4.15E-08	6.41E-09	5.85E-09	9.49E-08
3729	475863.09	3851877.25	3.26E-04	3.33E-04	3.16E-04	1.13E-07	3.41E-07	1.97E-07	1.97E-07	1.83E-07	8.34E-08	7.92E-08	0.00E+00	0.00E+00	3.63E-08	6.70E-09	4.34E-08	6.70E-09	6.13E-09	9.93E-08
3730	476363.09	3851877.25	3.13E-04	3.21E-04	3.02E-04	1.08E-07	3.27E-07	1.89E-07	1.89E-07	1.76E-07	8.02E-08	7.56E-08	0.00E+00	0.00E+00	3.49E-08	6.43E-09	4.18E-08	6.44E-09	5.86E-09	9.54E-08
3731	476863.09	3851877.25	3.39E-04	3.48E-04	3.27E-04	1.17E-07	3.55E-07	2.05E-07	2.05E-07	1.91E-07	8.70E-08	8.19E-08	0.00E+00	0.00E+00	3.78E-08	6.97E-09	4.53E-08	6.99E-09	6.34E-09	1.03E-07
3732	477363.09	3851877.25	3.62E-04	3.72E-04	3.47E-04	1.25E-07	3.79E-07	2.19E-07	2.19E-07	2.04E-07	9.30E-08	8.69E-08	0.00E+00	0.00E+00	4.03E-08	7.44E-09	4.84E-08	7.47E-09	6.73E-09	1.10E-07
3733	477863.09	3851877.25	3.72E-04	3.83E-04	3.53E-04	1.29E-07	3.89E-07	2.25E-07	2.25E-07	2.10E-07	9.59E-08	8.85E-08	0.00E+00	0.00E+00	4.15E-08	7.65E-09	4.99E-08	7.70E-09	6.85E-09	1.14E-07
3734	478363.09	3851877.25	3.68E-04	3.79E-04	3.45E-04	1.27E-07	3.84E-07	2.22E-07	2.22E-07	2.08E-07	9.49E-08	8.63E-08	0.00E+00	0.00E+00	4.09E-08	7.55E-09	4.94E-08	7.62E-09	6.68E-09	1.12E-07
3735	478863.09	3851877.25	4.11E-04	4.23E-04	3.88E-04	1.42E-07	4.29E-07	2.49E-07	2.49E-07	2.32E-07	1.06E-07	9.71E-08	0.00E+00	0.00E+00	4.57E-08	8.44E-09	5.51E-08	8.50E-09	7.52E-09	1.25E-07
3736	479363.09	3851877.25	5.24E-04	5.37E-04	5.07E-04	1.82E-07	5.48E-07	3.17E-07	3.17E-07	2.95E-07	1.34E-07	1.27E-07	0.00E+00	0.00E+00	5.84E-08	1.08E-08	7.00E-08	1.08E-08	9.83E-09	1.60E-07
3737	479863.09	3851877.25	6.00E-04	6.12E-04	5.87E-04	2.08E-07	6.27E-07	3.63E-07	3.63E-07	3.36E-07	1.53E-07	1.47E-07	0.00E+00	0.00E+00	6.67E-08	1.23E-08	7.98E-08	1.23E-08	1.14E-08	1.83E-07
3738	480363.09	3851877.25	5.84E-04	5.96E-04	5.72E-04	2.02E-07	6.10E-07	3.53E-07	3.53E-07	3.27E-07	1.49E-07	1.43E-07	0.00E+00	0.00E+00	6.50E-08	1.20E-08	7.77E-08	1.20E-08	1.11E-08	1.78E-07
3739	480863.09	3851877.25	5.71E-04	5.84E-04	5.55E-04	1.98E-07	5.97E-07	3.45E-07	3.45E-07	3.20E-07	1.46E-07	1.39E-07	0.00E+00	0.00E+00	6.35E-08	1.17E-08	7.61E-08	1.17E-08	1.08E-08	1.74E-07
3740	481363.09	3851877.25	5.77E-04	5.95E-04	5.45E-04	2.00E-07	6.03E-07	3.49E-07	3.49E-07	3.26E-07	1.49E-07	1.36E-07	0.00E+00	0.00E+00	6.43E-08	1.19E-08	7.75E-08	1.20E-08	1.06E-08	1.76E-07
3741	481863.09	3851877.25	5.16E-04	5.36E-04	4.72E-04	1.79E-07	5.39E-07	3.12E-07	3.12E-07	2.94E-07	1.34E-07	1.18E-07	0.00E+00	0.00E+00	5.74E-08	1.06E-08	6.98E-08	1.08E-08	9.14E-09	1.58E-07
3742	482363.09	3851877.25	3.83E-04	3.98E-04	3.46E-04	1.32E-07	4.00E-07	2.32E-07	2.32E-07	2.18E-07	9.97E-08	8.67E-08	0.00E+00	0.00E+00	4.26E-08	7.86E-09	5.19E-08	8.00E-09	6.71E-09	1.17E-07
3743	482863.09	3851877.25	2.90E-04	3.01E-04	2.65E-04	1.00E-07	3.03E-07	1.75E-07	1.75E-07	1.65E-07	7.52E-08	6.62E-08	0.00E+00	0.00E+00	3.22E-08	5.95E-09	3.92E-08	6.04E-09	5.13E-09	8.85E-08
3744	483363.09	3851877.25	2.88E-04	2.98E-04	2.62E-04	9.95E-08	3.01E-07	1.74E-07	1.74E-07	1.64E-07	7.47E-08	6.56E-08	0.00E+00	0.00E+00	3.20E-08	5.91E-09	3.89E-08	6.00E-09	5.08E-09	8.79E-08
3745	483863.09	3851877.25	2.57E-04	2.66E-04	2.35E-04	8.89E-08	2.68E-07	1.55E-07	1.55E-07	1.46E-07	6.66E-08	5.87E-08	0.00E+00	0.00E+00	2.86E-08	5.27E-09	3.47E-08	5.35E-09	4.55E-09	7.84E-08
3746	484363.09	3851877.25	2.78E-04	2.88E-04	2.55E-04	9.63E-08	2.91E-07	1.68E-07	1.68E-07	1.58E-07	7.22E-08	6.38E-08	0.00E+00	0.00E+00	3.10E-08	5.71E-09	3.76E-08	5.79E-09	4.94E-09	8.50E-08
3747	484863.09	3851877.25	2.53E-04	2.62E-04	2.32E-04	8.75E-08	2.64E-07	1.53E-07	1.53E-07	1.44E-07	6.55E-08	5.82E-08	0.00E+00	0.00E+00	2.81E-08	5.19E-09	3.41E-08	5.26E-09	4.50E-09	7.72E-08
3748	485363.09	3851877.25	2.49E-04	2.57E-04	2.30E-04	8.61E-08	2.60E-07	1.50E-07	1.50E-07	1.41E-07	6.43E-08	5.75E-08	0.00E+00	0.00E+00	2.77E-08	5.11E-09	3.35E-08	5.17E-09	4.45E-09	7.59E-08
3749	485863.09	3851877.25	2.59E-04	2.68E-04	2.42E-04	8.98E-08	2.71E-07	1.57E-07	1.57E-07	1.47E-07	6.70E-08	6.05E-08	0.00E+00	0.00E+00	2.89E-08	5.33E-09	3.49E-08	5.38E-09	4.68E-09	7.91E-08
3750	486363.09	3851877.25	2.41E-04	2.48E-04	2.29E-04	8.35E-08	2.52E-07	1.46E-07	1.46E-07	1.36E-07	6.20E-08	5.72E-08	0.00E+00	0.00E+00	2.69E-08	4.96E-09	3.23E-08	4.98E-09	4.43E-09	7.35E-08
3751	486863.09	3851877.25	2.38E-04	2.44E-04	2.26E-04	8.23E-08	2.48E-07	1.44E-07	1.44E-07	1.34E-07	6.10E-08	5.67E-08	0.00E+00	0.00E+00	2.65E-08	4.88E-09	3.18E-08	4.90E-09	4.39E-09	7.24E-08
3752	487363.09	3851877.25	2.23E-04	2.29E-04	2.12E-04	7.73E-08	2.33E-07	1.35E-07	1.35E-07	1.26E-07	5.73E-08	5.31E-08	0.00E+00	0.00E+00	2.48E-08	4.58E-09	2.98E-08	4.60E-09	4.11E-09	6.80E-08
3753	487863.09	3851877.25	2.04E-04	2.09E-04	1.94E-04	7.05E-08	2.13E-07	1.23E-07	1.23E-07	1.15E-07	5.23E-08	4.86E-08	0.00E+00	0.00E+00	2.27E-08	4.18E-09	2.72E-08	4.20E-09	3.76E-09	6.20E-08
3754	488363.09	3851877.25	2.17E-04	2.22E-04	2.07E-04	7.50E-08	2.26E-07	1.31E-07	1.31E-07	1.22E-07	5.56E-08	5.18E-08	0.00E+00	0.00E+00	2.41E-08	4.45E-09	2.90E-08	4.46E-09	4.01E-09	6.60E-08
3755	488863.09	3851877.25	2.22E-04	2.27E-04	2.13E-04	7.68E-08	2.32E-07	1.34E-07	1.34E-07	1.25E-07	5.68E-08	5.32E-08	0.00E+00	0.00E+00	2.47E-08	4.56E-09	2.96E-08	4.56E-09	4.12E-09	6.75E-08
3756	489363.09	3851877.25	2.26E-04	2.32E-04	2.17E-04	7.84E-08	2.37E-07	1.37E-07	1.37E-07	1.27E-07	5.80E-08	5.43E-08	0.00E+00	0.00E+00	2.52E-08	4.65E-09	3.02E-08	4.66E-09	4.20E-09	6.89E-08
3757	489863.09	3851877.25	2.34E-04	2.39E-04	2.23E-04	8.09E-08	2.44E-07	1.41E-07	1.41E-07	1.31E-07	5.99E-08	5.58E-08	0.00E+00	0.00E+00	2.60E-08	4.80E-09	3.12E-08	4.81E-09	4.32E-09	7.11E-08
3758	490363.09	3851877.25	2.50E-04	2.56E-04	2.37E-04	8.65E-08	2.61E-07	1.51E-07	1.51E-07	1.41E-07	6.41E-08	5.94E-08	0.00E+00	0.00E+00	2.78E-08	5.13E-09	3.34E-08	5.15E-09	4.60E-09	7.61E-08
3759	490863.09	3851877.25	2.65E-04	2.72E-04	2.51E-04	9.16E-08	2.77E-07	1.60E-07	1.60E-07	1.49E-07	6.81E-08	6.27E-08	0.00E+00	0.00E+00	2.95E-08	5.44E-09	3.54E-08	5.47E-09	4.86E-09	8.07E-08
3760	491363.09	3851877.25	2.80E-04	2.88E-04	2.64E-04	9.68E-08	2.92E-07	1.69E-07	1.69E-07	1.58E-07	7.20E-08	6.60E-08	0.00E+00	0.00E+00	3.11E-08	5.74E-09	3.75E-08	5.78E-09	5.11E-09	8.53E-08
3761	491863.09	3851877.25	2.95E-04	3.04E-04	2.78E-04	1.02E-07	3.09E-07	1.79E-07	1.79E-07	1.67E-07	7.61E-08	6.95E-08	0.00E+00	0.00E+00	3.29E-08	6.07E-09	3.96E-08	6.11E-09	5.38E-09	9.01E-08
3762	492363.09	3851877.25	3.02E-04	3.11E-04	2.84E-04	1.05E-07	3.16E-07	1.83E-07	1.83E-07	1.71E-07	7.79E-08	7.11E-08	0.00E+00	0.00E+00	3.36E-08	6.21E-09	4.06E-08	6.26E-09	5.50E-09	9.22E-08
3763	492863.09	3851877.25	2.90E-04	2.98E-04	2.73E-04	1.00E-07	3.03E-07	1.75E-07	1.75E-07	1.63E-07	7.46E-08	6.84E-08	0.00E+00	0.00E+00	3.22E-08	5.95E-09	3.88E-08	5.99E-09	5.29E-09	8.83E-08
3764	493363.09	3851877.25	3.40E-04	3.50E-04	3.18E-04	1.18E-07	3.55E-07	2.05E-07	2.05E-07	1.92E-07	8.76E-08	7.97E-08	0.00E+00	0.00E+00	3.78E-08	6.98E-09	4.56E-08	7.03E-09	6.17E-09	1.04E-07
3765	493863.09	3851877.25	3.97E-04	4.10E-04	3.71E-04	1.38E-07	4.15E-07	2.40E-07	2.40E-07	2.25E-07	1.03E-07	9.27E-08	0.00E+00	0.00E+00	4.42E-08	8.16E-09	5.34E-08	8.24E-09	7.18E-09	1.21E-07
3766	494363.09	3851877.25	4.03E-04	4.16E-04	3.76E-04	1.40E-07	4.21E-07	2.44E-07	2.44E-07	2.28E-07	1.04E-07	9.42E-08	0.00E+00	0.00E+00	4.49E-08	8.28E-09	5.42E-08	8.35E-09	7.29E-09	1.23E-07
3767	494863.09	3851877.25	4.40E-04	4.54E-04	4.09E-04	1.52E-07	4.59E-07	2.66E-07	2.66E-07	2.49E-07	1.14E-07	1.02E-07	0.00E+00	0.00E+00	4.89E-08	9.03E-09	5.91E-08	9.12E-09	7.93E-09	1.34E-07
3768	495363.09	3851877.25	4.61E-04	4.77E-04	4.29E-04	1.60E-07	4.82E-07	2.79E-07	2.79E-07	2.61E-07	1.19E-07	1.07E-07	0.00E+00	0.00E+00	5.14E-08	9.48E-09	6.21E-08	9.58E-09	8.31E-09	1.41E-07
3769	495863.09	3851877.25	4.78E-04	4.94E-04	4.44E-04	1.65E-07	4.99E-07	2.89E-07	2.89E-07	2.71E-07	1.24E-07	1.11E-07	0.00E+00	0.00E+00	5.32E-08	9.81E-09	6.43E-08	9.92E-09	8.60E-09	1.46E-07
3770	496363.09	3851877.25	4.82E-04	4.97E-04	4.48E-04	1.67E-07	5.03E-07	2.91E-07	2.91E-07	2.73E-07	1.24E-07	1.12E-07	0.00E+00	0.00E+00	5.36E-08	9.89E-09	6.48E-08	1.00E-08	8.68E-09	1.47E-07
3771	496863.09	3851877.25	4.85E-04	5.00E-04	4.51E-04	1.68E-07	5.06E-07	2.93E-07	2.93E-07	2.74E-07	1.25E-07	1.13E-07	0.00E+00	0.00E+00	5.39E-08	9.95E-09	6.52E-08	1.01E-08	8.75E-09	1.48E-07
3772	497363.09	3851877.25	4.84E-04	4.99E-04	4.52E-04	1.68E-07	5.06E-07	2.93E-07	2.93E-07	2.74E-07	1.25E-07	1.13E-07	0.00E+00	0.00E+00	5.39E-08	9.95E-09	6.51E-08	1.00E-08	8.76E-09	1.48E-07
3773	497863.09	3851877.25	4.71E-04	4.86E-04	4.42E-04	1.63E-07	4.93E-07	2.85E-07	2.85E-07	2.66E-07	1.22E-07	1.11E-07	0.00E+00	0.00E+00	5.25E-08	9.68E-09	6.33E-08	9.76E-09	8.56E-09	1.44E-07

3774	498363.09	3851877.25	4.60E-04	4.74E-04	4.33E-04	1.59E-07	4.81E-07	2.78E-07	2.78E-07	2.60E-07	1.19E-07	1.08E-07	0.00E+00	0.00E+00	5.12E-08	9.45E-09	6.17E-08	9.52E-09	8.39E-09	1.40E-07
3775	471363.09	3852377.25	1.80E-04	1.84E-04	1.72E-04	6.21E-08	1.88E-07	1.09E-07	1.09E-07	1.01E-07	4.61E-08	4.30E-08	0.00E+00	0.00E+00	2.00E-08	3.69E-09	2.40E-08	3.70E-09	3.33E-09	5.47E-08
3776	471863.09	3852377.25	1.96E-04	2.01E-04	1.87E-04	6.78E-08	2.05E-07	1.18E-07	1.18E-07	1.10E-07	5.03E-08	4.68E-08	0.00E+00	0.00E+00	2.18E-08	4.02E-09	2.62E-08	4.04E-09	3.62E-09	5.97E-08
3777	472363.09	3852377.25	2.08E-04	2.13E-04	1.98E-04	7.19E-08	2.17E-07	1.26E-07	1.26E-07	1.17E-07	5.34E-08	4.95E-08	0.00E+00	0.00E+00	2.31E-08	4.27E-09	2.78E-08	4.29E-09	3.83E-09	6.33E-08
3778	472863.09	3852377.25	2.18E-04	2.24E-04	2.07E-04	7.56E-08	2.28E-07	1.32E-07	1.32E-07	1.23E-07	5.62E-08	5.19E-08	0.00E+00	0.00E+00	2.43E-08	4.49E-09	2.92E-08	4.51E-09	4.02E-09	6.66E-08
3779	473363.09	3852377.25	2.26E-04	2.32E-04	2.14E-04	7.82E-08	2.36E-07	1.37E-07	1.37E-07	1.27E-07	5.81E-08	5.36E-08	0.00E+00	0.00E+00	2.51E-08	4.64E-09	3.03E-08	4.67E-09	4.15E-09	6.89E-08
3780	473863.09	3852377.25	2.32E-04	2.38E-04	2.19E-04	8.02E-08	2.42E-07	1.40E-07	1.40E-07	1.31E-07	5.96E-08	5.49E-08	0.00E+00	0.00E+00	2.58E-08	4.76E-09	3.11E-08	4.79E-09	4.25E-09	7.07E-08
3781	474363.09	3852377.25	2.39E-04	2.46E-04	2.26E-04	8.29E-08	2.50E-07	1.45E-07	1.45E-07	1.35E-07	6.17E-08	5.67E-08	0.00E+00	0.00E+00	2.67E-08	4.92E-09	3.21E-08	4.95E-09	4.39E-09	7.30E-08
3782	474863.09	3852377.25	2.94E-04	3.02E-04	2.79E-04	1.02E-07	3.07E-07	1.78E-07	1.78E-07	1.66E-07	7.56E-08	6.98E-08	0.00E+00	0.00E+00	3.27E-08	6.03E-09	3.94E-08	6.07E-09	5.41E-09	8.96E-08
3783	475363.09	3852377.25	3.04E-04	3.12E-04	2.89E-04	1.05E-07	3.18E-07	1.84E-07	1.84E-07	1.71E-07	7.82E-08	7.23E-08	0.00E+00	0.00E+00	3.38E-08	6.24E-09	4.07E-08	6.28E-09	5.60E-09	9.27E-08
3784	475863.09	3852377.25	3.12E-04	3.20E-04	2.97E-04	1.08E-07	3.26E-07	1.89E-07	1.89E-07	1.76E-07	8.01E-08	7.44E-08	0.00E+00	0.00E+00	3.47E-08	6.40E-09	4.17E-08	6.43E-09	5.76E-09	9.50E-08
3785	476363.09	3852377.25	3.06E-04	3.14E-04	2.92E-04	1.06E-07	3.19E-07	1.85E-07	1.85E-07	1.72E-07	7.86E-08	7.30E-08	0.00E+00	0.00E+00	3.40E-08	6.28E-09	4.09E-08	6.31E-09	5.65E-09	9.32E-08
3786	476863.09	3852377.25	3.16E-04	3.24E-04	3.02E-04	1.09E-07	3.30E-07	1.91E-07	1.91E-07	1.78E-07	8.12E-08	7.56E-08	0.00E+00	0.00E+00	3.52E-08	6.49E-09	4.23E-08	6.52E-09	5.85E-09	9.63E-08
3787	477363.09	3852377.25	3.18E-04	3.27E-04	3.03E-04	1.10E-07	3.32E-07	1.92E-07	1.92E-07	1.79E-07	8.17E-08	7.59E-08	0.00E+00	0.00E+00	3.54E-08	6.53E-09	4.26E-08	6.56E-09	5.88E-09	9.69E-08
3788	477863.09	3852377.25	2.87E-04	2.95E-04	2.71E-04	9.92E-08	3.00E-07	1.73E-07	1.73E-07	1.62E-07	7.38E-08	6.79E-08	0.00E+00	0.00E+00	3.19E-08	5.89E-09	3.85E-08	5.93E-09	5.25E-09	8.74E-08
3789	478363.09	3852377.25	2.75E-04	2.84E-04	2.58E-04	9.53E-08	2.88E-07	1.67E-07	1.67E-07	1.56E-07	7.11E-08	6.45E-08	0.00E+00	0.00E+00	3.06E-08	5.65E-09	3.70E-08	5.71E-09	5.00E-09	8.40E-08
3790	478863.09	3852377.25	3.26E-04	3.37E-04	3.01E-04	1.13E-07	3.40E-07	1.97E-07	1.97E-07	1.85E-07	8.44E-08	7.53E-08	0.00E+00	0.00E+00	3.62E-08	6.69E-09	4.39E-08	6.78E-09	5.83E-09	9.95E-08
3791	479363.09	3852377.25	3.67E-04	3.81E-04	3.38E-04	1.27E-07	3.84E-07	2.22E-07	2.22E-07	2.09E-07	9.54E-08	8.45E-08	0.00E+00	0.00E+00	4.09E-08	7.55E-09	4.97E-08	7.66E-09	6.54E-09	1.12E-07
3792	479863.09	3852377.25	5.25E-04	5.40E-04	4.98E-04	1.82E-07	5.49E-07	3.18E-07	3.18E-07	2.96E-07	1.35E-07	1.25E-07	0.00E+00	0.00E+00	5.84E-08	1.08E-08	7.04E-08	1.09E-08	9.65E-09	1.60E-07
3793	480363.09	3852377.25	7.02E-04	7.17E-04	6.84E-04	2.43E-07	7.34E-07	4.25E-07	4.25E-07	3.93E-07	1.80E-07	1.71E-07	0.00E+00	0.00E+00	7.81E-08	1.44E-08	9.35E-08	1.44E-08	1.33E-08	2.14E-07
3794	480863.09	3852377.25	6.86E-04	7.01E-04	6.68E-04	2.37E-07	7.17E-07	4.15E-07	4.15E-07	3.84E-07	1.75E-07	1.67E-07	0.00E+00	0.00E+00	7.63E-08	1.41E-08	9.13E-08	1.41E-08	1.29E-08	2.09E-07
3795	481363.09	3852377.25	6.72E-04	6.87E-04	6.51E-04	2.33E-07	7.02E-07	4.06E-07	4.06E-07	3.77E-07	1.72E-07	1.63E-07	0.00E+00	0.00E+00	7.48E-08	1.38E-08	8.96E-08	1.38E-08	1.26E-08	2.05E-07
3796	481863.09	3852377.25	6.59E-04	6.81E-04	6.18E-04	2.28E-07	6.89E-07	3.99E-07	3.99E-07	3.73E-07	1.70E-07	1.55E-07	0.00E+00	0.00E+00	7.34E-08	1.35E-08	8.87E-08	1.37E-08	1.20E-08	2.01E-07
3797	482363.09	3852377.25	6.19E-04	6.43E-04	5.65E-04	2.14E-07	6.47E-07	3.74E-07	3.74E-07	3.53E-07	1.61E-07	1.41E-07	0.00E+00	0.00E+00	6.89E-08	1.27E-08	8.38E-08	1.29E-08	1.09E-08	1.89E-07
3798	482863.09	3852377.25	5.06E-04	5.26E-04	4.60E-04	1.75E-07	5.29E-07	3.06E-07	3.06E-07	2.89E-07	1.32E-07	1.15E-07	0.00E+00	0.00E+00	5.63E-08	1.04E-08	6.86E-08	1.06E-08	8.91E-09	1.55E-07
3799	483363.09	3852377.25	3.82E-04	3.99E-04	3.43E-04	1.32E-07	4.00E-07	2.31E-07	2.31E-07	2.19E-07	9.98E-08	8.59E-08	0.00E+00	0.00E+00	4.26E-08	7.85E-09	5.20E-08	8.01E-09	6.65E-09	1.17E-07
3800	483863.09	3852377.25	3.12E-04	3.25E-04	2.83E-04	1.08E-07	3.26E-07	1.89E-07	1.89E-07	1.78E-07	8.13E-08	7.08E-08	0.00E+00	0.00E+00	3.48E-08	6.41E-09	4.23E-08	6.53E-09	5.48E-09	9.55E-08
3801	484363.09	3852377.25	3.32E-04	3.46E-04	2.99E-04	1.15E-07	3.47E-07	2.01E-07	2.01E-07	1.90E-07	8.65E-08	7.49E-08	0.00E+00	0.00E+00	3.70E-08	6.82E-09	4.51E-08	6.95E-09	5.80E-09	1.02E-07
3802	484863.09	3852377.25	3.43E-04	3.56E-04	3.11E-04	1.19E-07	3.58E-07	2.07E-07	2.07E-07	1.95E-07	8.92E-08	7.79E-08	0.00E+00	0.00E+00	3.82E-08	7.04E-09	4.64E-08	7.16E-09	6.03E-09	1.05E-07
3803	485363.09	3852377.25	3.42E-04	3.55E-04	3.12E-04	1.18E-07	3.57E-07	2.07E-07	2.07E-07	1.95E-07	8.88E-08	7.80E-08	0.00E+00	0.00E+00	3.81E-08	7.02E-09	4.63E-08	7.13E-09	6.04E-09	1.05E-07
3804	485863.09	3852377.25	3.18E-04	3.29E-04	2.93E-04	1.10E-07	3.32E-07	1.92E-07	1.92E-07	1.80E-07	8.23E-08	7.34E-08	0.00E+00	0.00E+00	3.54E-08	6.53E-09	4.28E-08	6.61E-09	5.69E-09	9.70E-08
3805	486363.09	3852377.25	2.88E-04	2.96E-04	2.72E-04	9.97E-08	3.01E-07	1.74E-07	1.74E-07	1.62E-07	7.41E-08	6.80E-08	0.00E+00	0.00E+00	3.21E-08	5.92E-09	3.86E-08	5.95E-09	5.26E-09	8.78E-08
3806	486863.09	3852377.25	2.82E-04	2.90E-04	2.68E-04	9.78E-08	2.95E-07	1.71E-07	1.71E-07	1.59E-07	7.25E-08	6.71E-08	0.00E+00	0.00E+00	3.14E-08	5.80E-09	3.78E-08	5.82E-09	5.20E-09	8.60E-08
3807	487363.09	3852377.25	2.63E-04	2.69E-04	2.50E-04	9.09E-08	2.74E-07	1.59E-07	1.59E-07	1.48E-07	6.74E-08	6.26E-08	0.00E+00	0.00E+00	2.92E-08	5.39E-09	3.51E-08	5.41E-09	4.85E-09	8.00E-08
3808	487863.09	3852377.25	2.51E-04	2.58E-04	2.40E-04	8.70E-08	2.63E-07	1.52E-07	1.52E-07	1.41E-07	6.45E-08	6.00E-08	0.00E+00	0.00E+00	2.80E-08	5.16E-09	3.36E-08	5.18E-09	4.64E-09	7.65E-08
3809	488363.09	3852377.25	2.55E-04	2.61E-04	2.44E-04	8.81E-08	2.66E-07	1.54E-07	1.54E-07	1.43E-07	6.53E-08	6.10E-08	0.00E+00	0.00E+00	2.83E-08	5.23E-09	3.40E-08	5.24E-09	4.72E-09	7.75E-08
3810	488863.09	3852377.25	2.60E-04	2.66E-04	2.49E-04	9.00E-08	2.72E-07	1.57E-07	1.57E-07	1.46E-07	6.66E-08	6.24E-08	0.00E+00	0.00E+00	2.89E-08	5.34E-09	3.47E-08	5.35E-09	4.83E-09	7.92E-08
3811	489363.09	3852377.25	2.68E-04	2.74E-04	2.55E-04	9.26E-08	2.80E-07	1.62E-07	1.62E-07	1.50E-07	6.86E-08	6.39E-08	0.00E+00	0.00E+00	2.98E-08	5.49E-09	3.57E-08	5.51E-09	4.95E-09	8.15E-08
3812	489863.09	3852377.25	2.69E-04	2.76E-04	2.56E-04	9.30E-08	2.81E-07	1.63E-07	1.63E-07	1.51E-07	6.90E-08	6.40E-08	0.00E+00	0.00E+00	2.99E-08	5.52E-09	3.59E-08	5.54E-09	4.96E-09	8.18E-08
3813	490363.09	3852377.25	3.00E-04	3.08E-04	2.83E-04	1.04E-07	3.13E-07	1.81E-07	1.81E-07	1.69E-07	7.71E-08	7.09E-08	0.00E+00	0.00E+00	3.34E-08	6.16E-09	4.02E-08	6.19E-09	5.49E-09	9.14E-08
3814	490863.09	3852377.25	3.27E-04	3.37E-04	3.07E-04	1.13E-07	3.42E-07	1.98E-07	1.98E-07	1.85E-07	8.43E-08	7.69E-08	0.00E+00	0.00E+00	3.64E-08	6.72E-09	4.39E-08	6.77E-09	5.95E-09	9.97E-08
3815	491363.09	3852377.25	3.79E-04	3.91E-04	3.53E-04	1.31E-07	3.96E-07	2.29E-07	2.29E-07	2.15E-07	9.80E-08	8.83E-08	0.00E+00	0.00E+00	4.22E-08	7.79E-09	5.10E-08	7.87E-09	6.84E-09	1.16E-07
3816	491863.09	3852377.25	4.03E-04	4.16E-04	3.74E-04	1.39E-07	4.21E-07	2.44E-07	2.44E-07	2.28E-07	1.04E-07	9.36E-08	0.00E+00	0.00E+00	4.48E-08	8.27E-09	5.43E-08	8.37E-09	7.25E-09	1.23E-07
3817	492363.09	3852377.25	4.25E-04	4.40E-04	3.94E-04	1.47E-07	4.45E-07	2.57E-07	2.57E-07	2.41E-07	1.10E-07	9.87E-08	0.00E+00	0.00E+00	4.74E-08	8.74E-09	5.73E-08	8.84E-09	7.64E-09	1.30E-07
3818	492863.09	3852377.25	4.65E-04	4.81E-04	4.30E-04	1.61E-07	4.86E-07	2.81E-07	2.81E-07	2.64E-07	1.20E-07	1.08E-07	0.00E+00	0.00E+00	5.18E-08	9.55E-09	6.27E-08	9.66E-09	8.33E-09	1.42E-07
3819	493363.09	3852377.25	5.23E-04	5.41E-04	4.82E-04	1.81E-07	5.47E-07	3.16E-07	3.16E-07	2.97E-07	1.35E-07	1.21E-07	0.00E+00	0.00E+00	5.82E-08	1.07E-08	7.05E-08	1.09E-08	9.34E-09	1.60E-07
3820	493863.09	3852377.25	5.36E-04	5.55E-04	4.95E-04	1.86E-07	5.61E-07	3.25E-07	3.25E-07	3.04E-07	1.39E-07	1.24E-07	0.00E+00	0.00E+00	5.97E-08	1.10E-08	7.23E-08	1.12E-08	9.59E-09	1.64E-07
3821	494363.09	3852377.25	5.42E-04	5.61E-04	5.00E-04	1.88E-07	5.66E-07	3.28E-07	3.28E-07	3.07E-07	1.40E-07	1.25E-07	0.00E+00	0.00E+00	6.03E-08	1.11E-08	7.30E-08	1.13E-08	9.69E-09	1.65E-07
3822	494863.09	3852377.25	5.69E-04	5.89E-04	5.24E-04	1.97E-07	5.94E-07	3.44E-07	3.44E-07	3.23E-07	1.47E-07	1.31E-07	0.00E+00	0.00E+00	6.33E-08	1.17E-08	7.67E-08	1.18E-08	1.02E-08	1.74E-07
3823	495363.09	3852377.25	5.98E-04	6.19E-04	5.51E-04	2.07E-07	6.25E-07	3.62E-07	3.62E-07	3.39E-07	1.55E-07	1.38E-07	0.00E+00	0.00E+00	6.65E-08	1.23E-08	8.07E-08	1.24E-08	1.07E-08	1.83E-07
3824	495863.09	3852377.25	5.92E-04	6.12E-04	5.46E-04	2.05E-07	6.18E-07	3.58E-07	3.58E-07	3.36E-07	1.53E-07	1.37E-07	0.00E+00	0.00E+00	6.58E-08	1.21E-08	7.98E-08	1.23E-08	1.06E-08	1.81E-07
3825	496363.09	3852377.25	5.85E-04	6.05E-04	5.42E-04	2.03E-07	6.12E-07	3.54E-07	3.54E-07	3.32E-07	1.51E-07	1.36E-07	0.00E+00	0.00E+00	6.51E-08	1.20E-08	7.89E-08	1.22E-08	1.05E-08	1.79E-07
3826	496863.09	3852377.25	5.85E-04	6.04E-04	5.43E-04	2.03E-07	6.11E-07	3.54E-07	3.54E-07	3.31E-07	1.51E-07	1.36E-07	0.00E+00	0.00E+00	6.51E-08	1.20E-08	7.88E-08	1.21E-08	1.05E-08	1.79E-07
3827	497363.09	3852377.25	5.58E-04	5.76E-04	5.20E-04	1.93E-07	5.83E-07	3.38E-07	3.38E-07	3.16E-07	1.44E-07	1.30E-07	0.00E+00	0.00E+00	6.21E-08	1.15E-08	7.50E-08	1.16E-08	1.01E-08	1.70E-07
3828	497863.09	3852377.25	5.32E-04	5.48E-04	4.99E-04	1.84E-07	5.56E-07	3.22E-07	3.22E-07	3.01E-07	1.37E-07	1.25E-07	0.00E+00	0.00E+00	5.92E-08	1.09E-08	7.14E-08	1.10E-08	9.67E-09	1.62E-07
3829	498363.09	3852377.25	5.08E-04	5.22E-04	4.79E-04	1.76E-07	5.31E-07	3.07E-07	3.07E-07	2.86E-07	1.31E-07	1.20E-07	0.00E+00	0.00E+00	5.65E-08	1.04E-08	6.81E-08	1.05E-08	9.28E-09	1.55E-07
3830	471363.09	3852877.25	1.95E-04	2.00E-04	1.87E-04	6.76E-08	2.04E-07	1.18E-07	1.18E-07	1.10E-07	5.01E-08	4.67E-08	0.00E+00	0.00E+00	2.17E-08	4.01E-09	2.61E-08	4.03E-09	3.62E-09	5.95E-08
3831	471863.09	3852877.25	2.08E-04	2.13E-04	1.98E-04	7.20E-08	2.17E-07	1.26E-07	1.26E-07	1.17E-07	5.34E-08	4.96E-08	0.00E+00	0.00E+00	2.31E-08	4.27E-09	2.78E-08	4.29E-09	3.84E-09	6.34E-08
3832	472363.09	3852877.25	2.21E-04	2.27E-04	2.11E-04	7.67E-08	2.31E-07	1.34E-07	1.34E-07	1.25E-07	5.69E-08	5.28E-08	0.00E+00	0.00E+00	2.47E-08	4.55E-09	2.96E-08	4.57E-09	4.09E-09	6.75E-08
3833	472863.09	3852877.25	2.33E-04	2.39E-04	2.21E-04	8.05E-08	2.43E-07	1.41E-07	1.41E-07	1.31E-07	5.98E-08	5.54E-08	0.00E+00	0.00E+00	2.59E-08	4.78E-09	3.11E-08	4.80E-09	4.29E-09	7.09E-08
3834	473363.09	3852877.25	2.45E-04	2.52E-04	2.33E-04	8.48E-08	2.56E-07	1.48E-07	1.48E-07	1.38E-07	6.30E-08	5.82E-08	0.00E+00	0.00E+00	2.73E-08	5.03E-09	3.28E-08	5.06E-09	4.51E-09	7.47E-08
3835	473863.09	3852877.25	2.62E-04	2.69E-04	2.48E-04	9.07E-08	2.74E-07	1.58E-07	1.58E-07	1.48E-07	6.74E-08	6.21E-08	0.00E+00	0.00E+00	2.92E-08	5.38E-09	3.51E-08	5.41E-09	4.81E-09	7.98E-08
3836	474363.09	3852877.25	2.81E-04	2.89E-04	2.66E-04	9.74E-08	2.94E-07	1.70E-07	1.70E-07	1.59E-07	7.24E-08	6.66E-08	0.00E+00	0.00E+00	3.13E-08	5.78E-09	3.77E-08	5.82E-09	5.16E-09	8.58E-08
3837	474863.09	3852877.25	2.70E-04	2.78E-04	2.55E-04	9.35E-08	2.82E-07	1.63E-07	1.63E-07	1.52E-07	6.95E-08	6.38E-08	0.00E+00	0.00E+00	3.01E-08	5.55E-09	3.62E-08	5.58E-09	4.94E-09	8.23E-08
3838	475363.09	3852877.25	2.95E-04	3.04E-04	2.79E-04	1.02E-07	3.09E-07	1.79E-07	1.79E-07	1.67E-07	7.61E-08	6.97E-08	0.00E+00	0.00E+00	3.29E-08	6.07E-09	3.96E-08	6.11E-09	5.40E-09	9.01E-08
3839	475863.09	3852877.25	3.04E-04	3.13E-04	2.87E-04	1.05E-07	3.18E-07	1.84E-07	1.84E-07	1.72E-07	7.85E-08	7.18E-08	0.00E+00	0.00E+00	3.39E-08	6.25E-09	4.09E-08	6.30E-09	5.56E-09	9.28E-08
3840	476363.09	3852877.25	2.94E-04	3.03E-04	2.77E-04	1.02E-07	3.08E-07	1.78E-07	1.78E-07	1.66E-07	7.59E-08	6.94E-08	0.00E+00	0.00E+00	3.28E-08	6.05E-09	3.95E-08	6.10E-09	5.38E-09	8.98E-08
3841	476863.09	3852877.25	2.70E-04	2.78E-04	2.54E-04	9.34E-08	2.82E-07	1.63E-07	1.63E-07	1.52E-07	6.95E-08	6.36E-08	0.00E+00	0.00E+00	3.00E-08	5.54E-09	3.62E-08	5.58E-09	4.93E-09	8.23E-08
3842	477363.09	3852877.25	2.49E-04	2.56E-04	2.35E-04	8.62E-08	2.60E-07	1.51E-07	1.51E-07	1.41E-07	6.42E-08	5.89E-08	0.00E+00	0.00E+00	2.77E-08	5.12E-09	3.34E-08	5.15E-09	4.56E-09	7.60E-08
3843	477863.09	3852877.25	2.29E-04	2.35E-04	2.17E-04	7.93E-08	2.39E-07	1.39E-07	1.39E-07	1.29E-07	5.89E-08	5.43E-08	0.00E+00	0.00E+00	2.55E-08	4.70E-09	3.07E-08	4.73E-09	4.21E-09	6.98E-08
3844	478363.09	3852877.25	2.02E-04	2.07E-04	1.94E-04	6.99E-08	2.11E-07	1.22E-07	1.22E-07	1.14E-07	5.18E-08	4.85E-08	0.00E+00	0.00E+00	2.25E-08	4.15E-09	2.70E-08	4.16E-09	3.75E-09	6.15E-08
3845	478863.09	3852877.25	2.29E-04	2.35E-04	2.19E-04	7.93E-08	2.39E-07	1.39E-07	1.39E-07	1.29E-07	5.88E-08	5.47E-08	0.00E+00	0.00E+00	2.55E-08	4.70E-09	3.06E-08	4.73E-09	4.24E-09	6.98E-08
3846	479363.09	3852877.25	2.81E-04	2.90E-04	2.63E-04	9.73E-08	2.94E-07	1.70E-07	1.70E-07	1.59E-07	7.26E-08	6.57E-08	0.00E+00	0.00E+00	3.13E-08	5.77E-09	3.78E-08	5.83E-09	5.09E-09	8.58E-08
3847	479863.09	3852877.25	4.17E-04	4.32E-04	3.82E-04	1.44E-07	4.36E-07	2.52E-07	2.52E-07	2.37E-07	1.08E-07	9.57E-08	0.00E+00	0.00E+00	4.64E-08	8.56E-09	5.64E-08	8.69E-09	7.41E-09	1.27E-07
3848	480363.09	3852877.25	6.63E-04	6.82E-04	6.31E-04	2.29E-07	6.93E-07	4.01E-07	4.01E-07	3.74E-07	1.71E-07	1.58E-07	0.00E+00	0.00E+00	7.38E-08	1.36E-08	8.88E-08	1.37E-08	1.22E-08	2.02E-07
3849	480863.09	3852877.25	7.81E-04	8.01E-04	7.52E-04	2.70E-07	8.16E-07	4.73E-07	4.73E-07	4.39E-07	2.00E-07	1.88E-07	0.00E+00	0.00E+00	8.69E-08	1.60E-08	1.04E-07	1.61E-08	1.46E-08	2.38E-07
3850	481363.09	3852877.25	8.32E-04	8.51E-04	8.07E-04	2.88E-07	8.70E-07	5.03E-07	5.03E-07	4.67E-07	2.13E-07	2.02E-07	0.00E+00	0.00E+00	9.26E-08	1.71E-08	1.11E-07	1.71E-08	1.56E-08	2.53E-07
3851	481863.09	3852877.25	7.96E-04	8.16E-04	7.69E-04	2.76E-07	8.32E-07	4.82E-07	4.82E-07	4.48E-07	2.04E-07	1.92E-07	0.00E+00	0.00E+00	8.86E-08	1.64E-08	1.06E-07	1.64E-08	1.49E-08	2.43E-07
3852	482363.09	3852877.25	7.99E-04	8.26E-04	7.46E-04	2.77E-07	8.35E-07	4.83E-07	4.83E-07	4.53E-07	2.07E-07	1.87E-07	0.00E+00	0.00E+00	8.89E-08	1.64E-08	1.08E-07	1.66E-08	1.45E-08	2.44E-07
3853	482863.09	3852877.25	7.59E-04	7.90E-04	6.90E-04	2.63E-07	7.93E-07	4.59E-07	4.59E-07	4.33E-07	1.98E-07	1.73E-07	0.00E+00	0.00E+00	8.45E-08	1.56E-08	1.03E-07	1.59E-08	1.34E-08	2.32E-07
3854	483363.09	3852877.25	5.88E-04	6.13E-04	5.26E-04	2.03E-07	6.14E-07	3.55E-07	3.55E-07	3.36E-07	1.53E-07	1.32E-07	0.00E+00	0.00E+00	6.54E-08	1.21E-08	7.99E-08	1.23E-08	1.02E-08	1.80E-07
3855	483863.09	3852877.25	4.23E-04	4.42E-04	3.76E-04	1.46E-07	4.42E-07	2.56E-07	2.56E-07	2.43E-07	1.11E-07	9.41E-08	0.00E+00	0.00E+00	4.71E-08	8.69E-09	5.76E-08	8.89E-09	7.29E-09	1.30E-07
3856	484363.09	3852877.25	4.42E-04	4.62E-04	3.92E-04	1.53E-07	4.62E-07	2.68E-07	2.68E-07	2.54E-07	1.16E-07	9.81E-08	0.00E+00	0.00E+00	4.92E-08	9.08E-09	6.03E-08	9.29E-09	7.60E-09	1.35E-07
3857	484863.09	3852877.25	4.52E-04	4.72E-04	4.06E-04	1.57E-07	4.73E-07	2.74E-07	2.74E-07	2.59E-07	1.18E-07	1.02E-07	0.00E+00	0.00E+00	5.04E-08	9.29E-09	6.15E-08	9.48E-09	7.87E-09	1.38E-07
3858	485363.09	3852877.25	3.59E-04	3.72E-04	3.29E-04	1.24E-07	3.75E-07	2.17E-07	2.17E-07	2.04E-07	9.31E-08	8.24E-08	0.00E+00	0.00E+00	4.00E-08	7.38E-09	4.85E-08	7.48E-09	6.38E-09	1.10E-07
3859	485863.09	3852877.25	3.24E-04	3.34E-04	3.02E-04	1.12E-07	3.39E-07	1.96E-07	1.96E-07	1.83E-07	8.37E-08	7.55E-08	0.00E+00	0.00E+00	3.61E-08	6.65E-09	4.36E-08	6.72E-09	5.84E-09	9.88E-08
3860	486363.09	3852877.25	3.13E-04	3.22E-04	2.97E-04	1.08E-07	3.28E-07	1.90E-07	1.90E-07	1.76E-07	8.05E-08	7.44E-08	0.00E+00	0.00E+00	3.49E-08	6.44E-09	4.19E-08	6.46E-09	5.76E-09	9.55E-08
3861	486863.09	3852877.25	3.24E-04	3.32E-04	3.09E-04	1.12E-07	3.38E-07	1.96E-07	1.96E-07	1.82E-07	8.30E-08	7.73E-08	0.00E+00	0.00E+00	3.60E-08	6.65E-09	4.32E-08	6.67E-09	5.98E-09	9.86E-08
3862	487363.09	3852877.25	3.12E-04	3.19E-04	2.98E-04	1.08E-07	3.26E-07	1.89E-07	1.89E-07	1.75E-07	7.99E-08	7.47E-08	0.00E+00	0.00E+00	3.47E-08	6.40E-09	4.16E-08	6.42E-09	5.78E-09	9.49E-08
3863	487863.09	3852877.25	3.09E-04	3.17E-04	2.96E-04	1.07E-07	3.23E-07	1.87E-07	1.87E-07	1.74E-07	7.94E-08	7.40E-08	0.00E+00	0.00E+00	3.44E-08	6.35E-09	4.13E-08	6.37E-09	5.73E-09	9.42E-08
3864	488363.09	3852877.25	2.81E-04	2.87E-04	2.70E-04	9.72E-08	2.93E-07	1.70E-07	1.70E-07	1.58E-07	7.19E-08	6.75E-08	0.00E+00	0.00E+00	3.13E-08	5.77E-09	3.75E-08	5.78E-09	5.23E-09	8.55E-08
3865	488863.09	3852877.25	3.19E-04	3.27E-04	3.04E-04	1.10E-07	3.33E-07	1.93E-07	1.93E-07	1.79E-07	8.18E-08	7.60E-08	0.00E+00	0.00E+00	3.55E-08	6.54E-09	4.26E-08	6.57E-09	5.88E-09	9.70E-08
3866	489363.09	3852877.25	3.41E-04	3.51E-04	3.23E-04	1.18E-07	3.57E-07	2.06E-07	2.06E-07	1.92E-07	8.78E-08	8.08E-08	0.00E+00	0.00E+00	3.80E-08	7.01E-09	4.57E-08	7.05E-09	6.25E-09	1.04E-07
3867	489863.09	3852877.25	3.65E-04	3.76E-04	3.43E-04	1.26E-07	3.81E-07	2.21E-07	2.21E-07	2.06E-07	9.40E-08	8.57E-08	0.00E+00	0.00E+00	4.06E-08	7.49E-09	4.90E-08	7.55E-09	6.64E-09	1.11E-07
3868	490363.09	3852877.25	4.47E-04	4.62E-04	4.14E-04	1.55E-07	4.67E-07	2.70E-07	2.70E-07	2.53E-07	1.16E-07	1.04E-07	0.00E+00	0.00E+00	4.97E-08	9.18E-09	6.02E-08	9.28E-09	8.03E-09	1.36E-07
3869	490863.09	3852877.25	4.92E-04	5.09E-04	4.53E-04	1.70E-07	5.14E-07	2.98E-07	2.98E-07	2.79E-07	1.27E-07	1.13E-07	0.00E+00	0.00E+00	5.48E-08	1.01E-08	6.64E-08	1.02E-08	8.78E-09	1.50E-07
3870	491363.09	3852877.25	5.38E-04	5.58E-04	4.94E-04	1.86E-07	5.63E-07	3.26E-07	3.26E-07	3.06E-07	1.40E-07	1.24E-07	0.00E+00	0.00E+00	5.99E-08	1.11E-08	7.28E-08	1.12E-08	9.57E-09	1.65E-07
3871	491863.09	3852877.25	5.69E-04	5.90E-04	5.20E-04	1.97E-07	5.94E-07	3.44E-07	3.44E-07	3.24E-07	1.48E-07	1.30E-07	0.00E+00	0.00E+00	6.33E-08	1.17E-08	7.69E-08	1.19E-08	1.01E-08	1.74E-07
3872	492363.09	3852877.25	6.08E-04	6.30E-04	5.55E-04	2.10E-07	6.35E-07	3.68E-07	3.68E-07	3.46E-07	1.58E-07	1.39E-07	0.00E+00	0.00E+00	6.76E-08	1.25E-08	8.22E-08	1.27E-08	1.08E-08	1.86E-07
3873	492863.09	3852877.25	6.74E-04	6.99E-04	6.14E-04	2.33E-07	7.04E-07	4.08E-07	4.08E-07	3.84E-07	1.75E-07	1.54E-07	0.00E+00	0.00E+00	7.50E-08	1.38E-08	9.11E-08	1.41E-08	1.19E-08	2.06E-07
3874	493363.09	3852877.25	7.21E-04	7.48E-04	6.57E-04	2.50E-07	7.53E-07	4.36E-07	4.36E-07	4.10E-07	1.87E-07	1.64E-07	0.00E+00	0.00E+00	8.02E-08	1.48E-08	9.75E-08	1.50E-08	1.27E-08	2.20E-07
3875	493863.09	3852877.25	7.22E-04	7.50E-04	6.59E-04	2.50E-07	7.55E-07	4.37E-07	4.37E-07	4.11E-07	1.88E-07	1.65E-07	0.00E+00	0.00E+00	8.04E-08	1.48E-08	9.77E-08	1.51E-08	1.28E-08	2.21E-07
3876	494363.09	3852877.25	7.24E-04	7.51E-04	6.61E-04	2.50E-07	7.56E-07	4.38E-07	4.38E-07	4.12E-07	1.88E-07	1.65E-07	0.00E+00	0.00E+00	8.05E-08	1.49E-08	9.79E-08	1.51E-08	1.28E-08	2.21E-07
3877	494863.09	3852877.25	7.38E-04	7.66E-04	6.75E-04	2.56E-07	7.72E-07	4.47E-07	4.47E-07	4.20E-07	1.92E-07	1.69E-07	0.00E+00	0.00E+00	8.22E-08	1.52E-08	9.98E-08	1.54E-08	1.31E-08	2.26E-07
3878	495363.09	3852877.25	7.22E-04	7.49E-04	6.62E-04	2.50E-07	7.55E-07	4.37E-07	4.37E-07	4.11E-07	1.87E-07	1.66E-07	0.00E+00	0.00E+00	8.04E-08	1.48E-08	9.76E-08	1.51E-08	1.28E-08	2.21E-07

3879	495863.09	3852877.25	7.07E-04	7.32E-04	6.51E-04	2.45E-07	7.39E-07	4.28E-07	4.28E-07	4.01E-07	1.83E-07	1.63E-07	0.00E+00	0.00E+00	7.87E-08	1.45E-08	9.54E-08	1.47E-08	1.26E-08	2.16E-07
3880	496363.09	3852877.25	7.12E-04	7.36E-04	6.57E-04	2.46E-07	7.44E-07	4.31E-07	4.31E-07	4.04E-07	1.84E-07	1.64E-07	0.00E+00	0.00E+00	7.92E-08	1.46E-08	9.59E-08	1.48E-08	1.27E-08	2.17E-07
3881	496863.09	3852877.25	7.02E-04	7.26E-04	6.51E-04	2.43E-07	7.34E-07	4.25E-07	4.25E-07	3.98E-07	1.82E-07	1.63E-07	0.00E+00	0.00E+00	7.82E-08	1.44E-08	9.46E-08	1.46E-08	1.26E-08	2.14E-07
3882	497363.09	3852877.25	6.46E-04	6.66E-04	6.03E-04	2.23E-07	6.75E-07	3.91E-07	3.91E-07	3.65E-07	1.67E-07	1.51E-07	0.00E+00	0.00E+00	7.19E-08	1.33E-08	8.68E-08	1.34E-08	1.17E-08	1.97E-07
3883	497863.09	3852877.25	5.53E-04	5.68E-04	5.21E-04	1.91E-07	5.78E-07	3.34E-07	3.34E-07	3.12E-07	1.42E-07	1.30E-07	0.00E+00	0.00E+00	6.15E-08	1.13E-08	7.40E-08	1.14E-08	1.01E-08	1.68E-07
3884	498363.09	3852877.25	5.44E-04	5.58E-04	5.15E-04	1.88E-07	5.68E-07	3.29E-07	3.29E-07	3.06E-07	1.40E-07	1.29E-07	0.00E+00	0.00E+00	6.05E-08	1.12E-08	7.28E-08	1.12E-08	9.98E-09	1.66E-07
3885	471363.09	3853377.25	2.10E-04	2.15E-04	2.01E-04	7.27E-08	2.19E-07	1.27E-07	1.27E-07	1.18E-07	5.39E-08	5.03E-08	0.00E+00	0.00E+00	2.34E-08	4.31E-09	2.80E-08	4.32E-09	3.90E-09	6.40E-08
3886	471863.09	3853377.25	2.22E-04	2.28E-04	2.12E-04	7.70E-08	2.33E-07	1.35E-07	1.35E-07	1.25E-07	5.71E-08	5.32E-08	0.00E+00	0.00E+00	2.48E-08	4.57E-09	2.97E-08	4.59E-09	4.12E-09	6.78E-08
3887	472363.09	3853377.25	2.34E-04	2.40E-04	2.23E-04	8.11E-08	2.45E-07	1.42E-07	1.42E-07	1.32E-07	6.02E-08	5.59E-08	0.00E+00	0.00E+00	2.61E-08	4.81E-09	3.13E-08	4.83E-09	4.33E-09	7.14E-08
3888	472863.09	3853377.25	2.47E-04	2.53E-04	2.35E-04	8.53E-08	2.58E-07	1.49E-07	1.49E-07	1.39E-07	6.34E-08	5.87E-08	0.00E+00	0.00E+00	2.74E-08	5.06E-09	3.30E-08	5.09E-09	4.55E-09	7.51E-08
3889	473363.09	3853377.25	2.56E-04	2.63E-04	2.43E-04	8.85E-08	2.67E-07	1.55E-07	1.55E-07	1.44E-07	6.58E-08	6.08E-08	0.00E+00	0.00E+00	2.85E-08	5.25E-09	3.42E-08	5.28E-09	4.71E-09	7.79E-08
3890	473863.09	3853377.25	2.66E-04	2.74E-04	2.53E-04	9.22E-08	2.79E-07	1.61E-07	1.61E-07	1.50E-07	6.85E-08	6.33E-08	0.00E+00	0.00E+00	2.97E-08	5.47E-09	3.57E-08	5.50E-09	4.90E-09	8.12E-08
3891	474363.09	3853377.25	2.77E-04	2.85E-04	2.62E-04	9.58E-08	2.89E-07	1.67E-07	1.67E-07	1.56E-07	7.12E-08	6.56E-08	0.00E+00	0.00E+00	3.08E-08	5.68E-09	3.71E-08	5.72E-09	5.08E-09	8.44E-08
3892	474863.09	3853377.25	2.75E-04	2.83E-04	2.59E-04	9.51E-08	2.87E-07	1.66E-07	1.66E-07	1.55E-07	7.08E-08	6.49E-08	0.00E+00	0.00E+00	3.06E-08	5.64E-09	3.68E-08	5.68E-09	5.03E-09	8.38E-08
3893	475363.09	3853377.25	2.78E-04	2.87E-04	2.62E-04	9.64E-08	2.91E-07	1.68E-07	1.68E-07	1.57E-07	7.17E-08	6.56E-08	0.00E+00	0.00E+00	3.10E-08	5.72E-09	3.74E-08	5.76E-09	5.08E-09	8.49E-08
3894	475863.09	3853377.25	2.81E-04	2.90E-04	2.65E-04	9.73E-08	2.94E-07	1.70E-07	1.70E-07	1.59E-07	7.25E-08	6.62E-08	0.00E+00	0.00E+00	3.13E-08	5.78E-09	3.77E-08	5.82E-09	5.13E-09	8.58E-08
3895	476363.09	3853377.25	2.68E-04	2.76E-04	2.53E-04	9.29E-08	2.81E-07	1.62E-07	1.62E-07	1.52E-07	6.92E-08	6.33E-08	0.00E+00	0.00E+00	2.99E-08	5.51E-09	3.60E-08	5.56E-09	4.90E-09	8.19E-08
3896	476863.09	3853377.25	2.44E-04	2.50E-04	2.30E-04	8.43E-08	2.55E-07	1.47E-07	1.47E-07	1.37E-07	6.27E-08	5.77E-08	0.00E+00	0.00E+00	2.71E-08	5.00E-09	3.26E-08	5.03E-09	4.46E-09	7.43E-08
3897	477363.09	3853377.25	2.43E-04	2.49E-04	2.30E-04	8.39E-08	2.53E-07	1.47E-07	1.47E-07	1.37E-07	6.24E-08	5.75E-08	0.00E+00	0.00E+00	2.70E-08	4.98E-09	3.25E-08	5.01E-09	4.45E-09	7.39E-08
3898	477863.09	3853377.25	2.46E-04	2.52E-04	2.33E-04	8.50E-08	2.57E-07	1.49E-07	1.49E-07	1.38E-07	6.32E-08	5.83E-08	0.00E+00	0.00E+00	2.73E-08	5.04E-09	3.29E-08	5.07E-09	4.51E-09	7.49E-08
3899	478363.09	3853377.25	2.22E-04	2.27E-04	2.11E-04	7.67E-08	2.32E-07	1.34E-07	1.34E-07	1.25E-07	5.69E-08	5.29E-08	0.00E+00	0.00E+00	2.47E-08	4.55E-09	2.96E-08	4.57E-09	4.10E-09	6.75E-08
3900	478863.09	3853377.25	1.94E-04	1.99E-04	1.87E-04	6.72E-08	2.03E-07	1.17E-07	1.17E-07	1.09E-07	4.97E-08	4.68E-08	0.00E+00	0.00E+00	2.16E-08	3.99E-09	2.59E-08	3.99E-09	3.63E-09	5.91E-08
3901	479363.09	3853377.25	2.65E-04	2.72E-04	2.52E-04	9.17E-08	2.77E-07	1.60E-07	1.60E-07	1.49E-07	6.82E-08	6.30E-08	0.00E+00	0.00E+00	2.95E-08	5.44E-09	3.55E-08	5.47E-09	4.88E-09	8.08E-08
3902	479863.09	3853377.25	3.47E-04	3.59E-04	3.24E-04	1.20E-07	3.63E-07	2.10E-07	2.10E-07	1.97E-07	8.97E-08	8.12E-08	0.00E+00	0.00E+00	3.87E-08	7.13E-09	4.67E-08	7.21E-09	6.28E-09	1.06E-07
3903	480363.09	3853377.25	5.17E-04	5.36E-04	4.78E-04	1.79E-07	5.41E-07	3.13E-07	3.13E-07	2.94E-07	1.34E-07	1.20E-07	0.00E+00	0.00E+00	5.76E-08	1.06E-08	6.98E-08	1.08E-08	9.26E-09	1.58E-07
3904	480863.09	3853377.25	5.41E-04	5.62E-04	4.94E-04	1.87E-07	5.65E-07	3.27E-07	3.27E-07	3.08E-07	1.41E-07	1.24E-07	0.00E+00	0.00E+00	6.02E-08	1.11E-08	7.32E-08	1.13E-08	9.58E-09	1.65E-07
3905	481363.09	3853377.25	8.10E-04	8.36E-04	7.61E-04	2.81E-07	8.47E-07	4.90E-07	4.90E-07	4.59E-07	2.09E-07	1.91E-07	0.00E+00	0.00E+00	9.02E-08	1.66E-08	1.09E-07	1.68E-08	1.48E-08	2.47E-07
3906	481863.09	3853377.25	1.04E-03	1.07E-03	1.00E-03	3.60E-07	1.09E-06	6.29E-07	6.29E-07	5.84E-07	2.67E-07	2.51E-07	0.00E+00	0.00E+00	1.16E-07	2.13E-08	1.39E-07	2.14E-08	1.94E-08	3.17E-07
3907	482363.09	3853377.25	9.67E-04	9.93E-04	9.25E-04	3.35E-07	1.01E-06	5.85E-07	5.85E-07	5.45E-07	2.49E-07	2.32E-07	0.00E+00	0.00E+00	1.08E-07	1.99E-08	1.29E-07	2.00E-08	1.79E-08	2.95E-07
3908	482863.09	3853377.25	1.00E-03	1.04E-03	9.31E-04	3.47E-07	1.05E-06	6.07E-07	6.07E-07	5.70E-07	2.60E-07	2.33E-07	0.00E+00	0.00E+00	1.12E-07	2.06E-08	1.35E-07	2.09E-08	1.80E-08	3.07E-07
3909	483363.09	3853377.25	8.33E-04	8.74E-04	7.32E-04	2.88E-07	8.71E-07	5.04E-07	5.04E-07	4.79E-07	2.19E-07	1.83E-07	0.00E+00	0.00E+00	9.27E-08	1.71E-08	1.14E-07	1.76E-08	1.42E-08	2.55E-07
3910	483863.09	3853377.25	6.84E-04	7.18E-04	6.00E-04	2.37E-07	7.15E-07	4.14E-07	4.14E-07	3.94E-07	1.80E-07	1.50E-07	0.00E+00	0.00E+00	7.62E-08	1.41E-08	9.36E-08	1.44E-08	1.16E-08	2.10E-07
3911	484363.09	3853377.25	6.44E-04	6.75E-04	5.67E-04	2.23E-07	6.73E-07	3.90E-07	3.90E-07	3.70E-07	1.69E-07	1.42E-07	0.00E+00	0.00E+00	7.17E-08	1.32E-08	8.79E-08	1.36E-08	1.10E-08	1.97E-07
3912	484863.09	3853377.25	5.20E-04	5.44E-04	4.60E-04	1.80E-07	5.43E-07	3.14E-07	3.14E-07	2.98E-07	1.36E-07	1.15E-07	0.00E+00	0.00E+00	5.78E-08	1.07E-08	7.09E-08	1.09E-08	8.91E-09	1.59E-07
3913	485363.09	3853377.25	4.00E-04	4.13E-04	3.70E-04	1.38E-07	4.18E-07	2.42E-07	2.42E-07	2.27E-07	1.03E-07	9.26E-08	0.00E+00	0.00E+00	4.45E-08	8.21E-09	5.38E-08	8.30E-09	7.17E-09	1.22E-07
3914	485863.09	3853377.25	3.33E-04	3.42E-04	3.17E-04	1.15E-07	3.48E-07	2.02E-07	2.02E-07	1.88E-07	8.56E-08	7.92E-08	0.00E+00	0.00E+00	3.71E-08	6.84E-09	4.46E-08	6.87E-09	6.13E-09	1.01E-07
3915	486363.09	3853377.25	3.72E-04	3.82E-04	3.56E-04	1.29E-07	3.89E-07	2.25E-07	2.25E-07	2.09E-07	9.55E-08	8.90E-08	0.00E+00	0.00E+00	4.14E-08	7.65E-09	4.97E-08	7.67E-09	6.89E-09	1.13E-07
3916	486863.09	3853377.25	4.07E-04	4.17E-04	3.90E-04	1.41E-07	4.26E-07	2.46E-07	2.46E-07	2.29E-07	1.04E-07	9.76E-08	0.00E+00	0.00E+00	4.53E-08	8.36E-09	5.44E-08	8.38E-09	7.56E-09	1.24E-07
3917	487363.09	3853377.25	4.46E-04	4.57E-04	4.24E-04	1.54E-07	4.66E-07	2.70E-07	2.70E-07	2.51E-07	1.14E-07	1.06E-07	0.00E+00	0.00E+00	4.96E-08	9.15E-09	5.96E-08	9.19E-09	8.21E-09	1.36E-07
3918	487863.09	3853377.25	4.76E-04	4.90E-04	4.47E-04	1.65E-07	4.97E-07	2.88E-07	2.88E-07	2.69E-07	1.23E-07	1.12E-07	0.00E+00	0.00E+00	5.30E-08	9.77E-09	6.39E-08	9.86E-09	8.66E-09	1.45E-07
3919	488363.09	3853377.25	5.32E-04	5.50E-04	4.95E-04	1.84E-07	5.56E-07	3.22E-07	3.22E-07	3.02E-07	1.38E-07	1.24E-07	0.00E+00	0.00E+00	5.92E-08	1.09E-08	7.17E-08	1.11E-08	9.59E-09	1.62E-07
3920	488863.09	3853377.25	5.76E-04	5.96E-04	5.31E-04	1.99E-07	6.02E-07	3.48E-07	3.48E-07	3.27E-07	1.49E-07	1.33E-07	0.00E+00	0.00E+00	6.41E-08	1.18E-08	7.77E-08	1.20E-08	1.03E-08	1.76E-07
3921	489363.09	3853377.25	6.09E-04	6.32E-04	5.58E-04	2.11E-07	6.37E-07	3.69E-07	3.69E-07	3.47E-07	1.58E-07	1.40E-07	0.00E+00	0.00E+00	6.78E-08	1.25E-08	8.24E-08	1.27E-08	1.08E-08	1.86E-07
3922	489863.09	3853377.25	6.34E-04	6.58E-04	5.79E-04	2.19E-07	6.62E-07	3.84E-07	3.84E-07	3.61E-07	1.65E-07	1.45E-07	0.00E+00	0.00E+00	7.06E-08	1.30E-08	8.57E-08	1.32E-08	1.12E-08	1.94E-07
3923	490363.09	3853377.25	6.92E-04	7.19E-04	6.29E-04	2.40E-07	7.23E-07	4.19E-07	4.19E-07	3.95E-07	1.80E-07	1.57E-07	0.00E+00	0.00E+00	7.70E-08	1.42E-08	9.38E-08	1.45E-08	1.22E-08	2.12E-07
3924	490863.09	3853377.25	7.34E-04	7.64E-04	6.63E-04	2.54E-07	7.67E-07	4.44E-07	4.44E-07	4.19E-07	1.91E-07	1.66E-07	0.00E+00	0.00E+00	8.17E-08	1.51E-08	9.95E-08	1.53E-08	1.28E-08	2.24E-07
3925	491363.09	3853377.25	7.72E-04	8.05E-04	6.96E-04	2.67E-07	8.07E-07	4.67E-07	4.67E-07	4.41E-07	2.01E-07	1.74E-07	0.00E+00	0.00E+00	8.60E-08	1.59E-08	1.05E-07	1.62E-08	1.35E-08	2.36E-07
3926	491863.09	3853377.25	8.17E-04	8.51E-04	7.35E-04	2.83E-07	8.54E-07	4.94E-07	4.94E-07	4.67E-07	2.13E-07	1.84E-07	0.00E+00	0.00E+00	9.09E-08	1.68E-08	1.11E-07	1.71E-08	1.42E-08	2.50E-07
3927	492363.09	3853377.25	8.84E-04	9.21E-04	7.96E-04	3.06E-07	9.24E-07	5.35E-07	5.35E-07	5.05E-07	2.31E-07	1.99E-07	0.00E+00	0.00E+00	9.84E-08	1.82E-08	1.20E-07	1.85E-08	1.54E-08	2.71E-07
3928	492863.09	3853377.25	9.47E-04	9.86E-04	8.53E-04	3.28E-07	9.90E-07	5.73E-07	5.73E-07	5.41E-07	2.47E-07	2.14E-07	0.00E+00	0.00E+00	1.05E-07	1.95E-08	1.29E-07	1.98E-08	1.65E-08	2.90E-07
3929	493363.09	3853377.25	9.58E-04	9.97E-04	8.65E-04	3.32E-07	1.00E-06	5.80E-07	5.80E-07	5.47E-07	2.50E-07	2.16E-07	0.00E+00	0.00E+00	1.07E-07	1.97E-08	1.30E-07	2.00E-08	1.68E-08	2.93E-07
3930	493863.09	3853377.25	9.56E-04	9.94E-04	8.64E-04	3.31E-07	9.99E-07	5.78E-07	5.78E-07	5.45E-07	2.49E-07	2.16E-07	0.00E+00	0.00E+00	1.06E-07	1.96E-08	1.30E-07	2.00E-08	1.67E-08	2.92E-07
3931	494363.09	3853377.25	9.31E-04	9.68E-04	8.44E-04	3.22E-07	9.73E-07	5.63E-07	5.63E-07	5.31E-07	2.42E-07	2.11E-07	0.00E+00	0.00E+00	1.04E-07	1.91E-08	1.26E-07	1.94E-08	1.63E-08	2.85E-07
3932	494863.09	3853377.25	9.06E-04	9.41E-04	8.25E-04	3.14E-07	9.47E-07	5.48E-07	5.48E-07	5.16E-07	2.35E-07	2.06E-07	0.00E+00	0.00E+00	1.01E-07	1.86E-08	1.23E-07	1.89E-08	1.60E-08	2.77E-07
3933	495363.09	3853377.25	9.02E-04	9.36E-04	8.25E-04	3.12E-07	9.43E-07	5.46E-07	5.46E-07	5.13E-07	2.34E-07	2.06E-07	0.00E+00	0.00E+00	1.00E-07	1.85E-08	1.22E-07	1.88E-08	1.60E-08	2.76E-07
3934	495863.09	3853377.25	8.81E-04	9.13E-04	8.09E-04	3.05E-07	9.21E-07	5.33E-07	5.33E-07	5.01E-07	2.28E-07	2.03E-07	0.00E+00	0.00E+00	9.81E-08	1.81E-08	1.19E-07	1.83E-08	1.57E-08	2.69E-07
3935	496363.09	3853377.25	8.43E-04	8.72E-04	7.78E-04	2.92E-07	8.81E-07	5.10E-07	5.10E-07	4.78E-07	2.18E-07	1.95E-07	0.00E+00	0.00E+00	9.38E-08	1.73E-08	1.14E-07	1.75E-08	1.51E-08	2.57E-07
3936	496863.09	3853377.25	7.85E-04	8.10E-04	7.29E-04	2.72E-07	8.20E-07	4.75E-07	4.75E-07	4.44E-07	2.03E-07	1.82E-07	0.00E+00	0.00E+00	8.73E-08	1.61E-08	1.06E-07	1.63E-08	1.41E-08	2.39E-07
3937	497363.09	3853377.25	7.10E-04	7.32E-04	6.66E-04	2.46E-07	7.42E-07	4.30E-07	4.30E-07	4.01E-07	1.83E-07	1.67E-07	0.00E+00	0.00E+00	7.91E-08	1.46E-08	9.54E-08	1.47E-08	1.29E-08	2.17E-07
3938	497863.09	3853377.25	5.65E-04	5.80E-04	5.37E-04	1.96E-07	5.91E-07	3.42E-07	3.42E-07	3.18E-07	1.45E-07	1.34E-07	0.00E+00	0.00E+00	6.29E-08	1.16E-08	7.56E-08	1.17E-08	1.04E-08	1.72E-07
3939	498363.09	3853377.25	4.98E-04	5.10E-04	4.77E-04	1.73E-07	5.21E-07	3.02E-07	3.02E-07	2.80E-07	1.28E-07	1.19E-07	0.00E+00	0.00E+00	5.55E-08	1.02E-08	6.65E-08	1.02E-08	9.24E-09	1.52E-07
3940	471363.09	3853877.25	2.21E-04	2.26E-04	2.13E-04	7.66E-08	2.31E-07	1.34E-07	1.34E-07	1.24E-07	5.66E-08	5.34E-08	0.00E+00	0.00E+00	2.46E-08	4.54E-09	2.95E-08	4.55E-09	4.13E-09	6.73E-08
3941	471863.09	3853877.25	2.38E-04	2.44E-04	2.29E-04	8.25E-08	2.49E-07	1.44E-07	1.44E-07	1.34E-07	6.11E-08	5.73E-08	0.00E+00	0.00E+00	2.65E-08	4.90E-09	3.18E-08	4.91E-09	4.44E-09	7.26E-08
3942	472363.09	3853877.25	2.48E-04	2.54E-04	2.37E-04	8.57E-08	2.59E-07	1.50E-07	1.50E-07	1.39E-07	6.35E-08	5.94E-08	0.00E+00	0.00E+00	2.76E-08	5.08E-09	3.31E-08	5.10E-09	4.60E-09	7.54E-08
3943	472863.09	3853877.25	2.59E-04	2.66E-04	2.48E-04	8.98E-08	2.71E-07	1.57E-07	1.57E-07	1.46E-07	6.66E-08	6.20E-08	0.00E+00	0.00E+00	2.89E-08	5.33E-09	3.47E-08	5.35E-09	4.80E-09	7.90E-08
3944	473363.09	3853877.25	2.66E-04	2.73E-04	2.53E-04	9.20E-08	2.78E-07	1.61E-07	1.61E-07	1.50E-07	6.83E-08	6.34E-08	0.00E+00	0.00E+00	2.96E-08	5.46E-09	3.56E-08	5.48E-09	4.91E-09	8.10E-08
3945	473863.09	3853877.25	2.74E-04	2.81E-04	2.60E-04	9.47E-08	2.86E-07	1.66E-07	1.66E-07	1.54E-07	7.03E-08	6.51E-08	0.00E+00	0.00E+00	3.05E-08	5.62E-09	3.66E-08	5.65E-09	5.04E-09	8.34E-08
3946	474363.09	3853877.25	2.85E-04	2.93E-04	2.71E-04	9.88E-08	2.98E-07	1.73E-07	1.73E-07	1.61E-07	7.34E-08	6.78E-08	0.00E+00	0.00E+00	3.18E-08	5.86E-09	3.82E-08	5.90E-09	5.25E-09	8.70E-08
3947	474863.09	3853877.25	2.94E-04	3.03E-04	2.79E-04	1.02E-07	3.08E-07	1.78E-07	1.78E-07	1.66E-07	7.57E-08	6.97E-08	0.00E+00	0.00E+00	3.28E-08	6.04E-09	3.94E-08	6.08E-09	5.40E-09	8.97E-08
3948	475363.09	3853877.25	2.88E-04	2.96E-04	2.72E-04	9.95E-08	3.01E-07	1.74E-07	1.74E-07	1.62E-07	7.40E-08	6.81E-08	0.00E+00	0.00E+00	3.20E-08	5.91E-09	3.85E-08	5.94E-09	5.27E-09	8.77E-08
3949	475863.09	3853877.25	2.62E-04	2.69E-04	2.49E-04	9.07E-08	2.74E-07	1.59E-07	1.59E-07	1.48E-07	6.74E-08	6.23E-08	0.00E+00	0.00E+00	2.92E-08	5.38E-09	3.51E-08	5.41E-09	4.82E-09	7.99E-08
3950	476363.09	3853877.25	2.38E-04	2.44E-04	2.28E-04	8.25E-08	2.49E-07	1.44E-07	1.44E-07	1.34E-07	6.12E-08	5.70E-08	0.00E+00	0.00E+00	2.65E-08	4.90E-09	3.19E-08	4.91E-09	4.41E-09	7.26E-08
3951	476863.09	3853877.25	2.12E-04	2.16E-04	2.04E-04	7.32E-08	2.21E-07	1.28E-07	1.28E-07	1.19E-07	5.42E-08	5.09E-08	0.00E+00	0.00E+00	2.35E-08	4.34E-09	2.82E-08	4.35E-09	3.95E-09	6.44E-08
3952	477363.09	3853877.25	2.23E-04	2.28E-04	2.14E-04	7.71E-08	2.33E-07	1.35E-07	1.35E-07	1.25E-07	5.71E-08	5.35E-08	0.00E+00	0.00E+00	2.48E-08	4.57E-09	2.97E-08	4.59E-09	4.14E-09	6.78E-08
3953	477863.09	3853877.25	2.43E-04	2.49E-04	2.32E-04	8.41E-08	2.54E-07	1.47E-07	1.47E-07	1.37E-07	6.24E-08	5.81E-08	0.00E+00	0.00E+00	2.71E-08	4.99E-09	3.25E-08	5.01E-09	4.50E-09	7.41E-08
3954	478363.09	3853877.25	2.54E-04	2.61E-04	2.42E-04	8.81E-08	2.66E-07	1.54E-07	1.54E-07	1.43E-07	6.53E-08	6.07E-08	0.00E+00	0.00E+00	2.83E-08	5.22E-09	3.40E-08	5.25E-09	4.70E-09	7.75E-08
3955	478863.09	3853877.25	2.12E-04	2.16E-04	2.04E-04	7.33E-08	2.21E-07	1.28E-07	1.28E-07	1.19E-07	5.42E-08	5.11E-08	0.00E+00	0.00E+00	2.36E-08	4.35E-09	2.82E-08	4.35E-09	3.95E-09	6.44E-08
3956	479363.09	3853877.25	2.54E-04	2.60E-04	2.42E-04	8.78E-08	2.65E-07	1.53E-07	1.53E-07	1.43E-07	6.51E-08	6.07E-08	0.00E+00	0.00E+00	2.82E-08	5.21E-09	3.39E-08	5.23E-09	4.70E-09	7.73E-08
3957	479863.09	3853877.25	3.70E-04	3.82E-04	3.47E-04	1.28E-07	3.87E-07	2.24E-07	2.24E-07	2.10E-07	9.57E-08	8.68E-08	0.00E+00	0.00E+00	4.12E-08	7.61E-09	4.98E-08	7.68E-09	6.72E-09	1.13E-07
3958	480363.09	3853877.25	4.76E-04	4.93E-04	4.40E-04	1.65E-07	4.97E-07	2.88E-07	2.88E-07	2.70E-07	1.23E-07	1.10E-07	0.00E+00	0.00E+00	5.30E-08	9.77E-09	6.42E-08	9.90E-09	8.52E-09	1.45E-07
3959	480863.09	3853877.25	6.81E-04	7.05E-04	6.31E-04	2.36E-07	7.12E-07	4.12E-07	4.12E-07	3.87E-07	1.77E-07	1.58E-07	0.00E+00	0.00E+00	7.58E-08	1.40E-08	9.19E-08	1.42E-08	1.22E-08	2.08E-07
3960	481363.09	3853877.25	9.03E-04	9.32E-04	8.49E-04	3.13E-07	9.44E-07	5.46E-07	5.46E-07	5.11E-07	2.33E-07	2.12E-07	0.00E+00	0.00E+00	1.01E-07	1.85E-08	1.21E-07	1.87E-08	1.65E-08	2.76E-07
3961	481863.09	3853877.25	1.37E-03	1.40E-03	1.33E-03	4.75E-07	1.43E-06	8.29E-07	8.29E-07	7.70E-07	3.51E-07	3.32E-07	0.00E+00	0.00E+00	1.53E-07	2.82E-08	1.83E-07	2.82E-08	2.57E-08	4.18E-07
3962	482363.09	3853877.25	1.35E-03	1.38E-03	1.29E-03	4.66E-07	1.41E-06	8.15E-07	8.15E-07	7.59E-07	3.47E-07	3.22E-07	0.00E+00	0.00E+00	1.50E-07	2.77E-08	1.80E-07	2.78E-08	2.50E-08	4.11E-07
3963	482863.09	3853877.25	1.22E-03	1.26E-03	1.15E-03	4.23E-07	1.28E-06	7.40E-07	7.40E-07	6.92E-07	3.16E-07	2.87E-07	0.00E+00	0.00E+00	1.36E-07	2.51E-08	1.64E-07	2.54E-08	2.22E-08	3.73E-07
3964	483363.09	3853877.25	1.10E-03	1.15E-03	9.72E-04	3.81E-07	1.15E-06	6.67E-07	6.67E-07	6.33E-07	2.89E-07	2.43E-07	0.00E+00	0.00E+00	1.23E-07	2.26E-08	1.51E-07	2.32E-08	1.88E-08	3.38E-07
3965	483863.09	3853877.25	1.05E-03	1.11E-03	9.02E-04	3.65E-07	1.10E-06	6.38E-07	6.38E-07	6.10E-07	2.78E-07	2.26E-07	0.00E+00	0.00E+00	1.17E-07	2.17E-08	1.45E-07	2.24E-08	1.75E-08	3.24E-07
3966	484363.09	3853877.25	8.20E-04	8.64E-04	7.07E-04	2.84E-07	8.57E-07	4.96E-07	4.96E-07	4.74E-07	2.16E-07	1.77E-07	0.00E+00	0.00E+00	9.13E-08	1.68E-08	1.13E-07	1.74E-08	1.37E-08	2.52E-07
3967	484863.09	3853877.25	6.38E-04	6.66E-04	5.71E-04	2.21E-07	6.67E-07	3.86E-07	3.86E-07	3.65E-07	1.67E-07	1.43E-07	0.00E+00	0.00E+00	7.10E-08	1.31E-08	8.67E-08	1.34E-08	1.11E-08	1.95E-07
3968	485363.09	3853877.25	4.91E-04	5.05E-04	4.62E-04	1.70E-07	5.13E-07	2.97E-07	2.97E-07	2.77E-07	1.26E-07	1.16E-07	0.00E+00	0.00E+00	5.46E-08	1.01E-08	6.59E-08	1.02E-08	8.95E-09	1.50E-07
3969	485863.09	3853877.25	5.76E-04	5.92E-04	5.44E-04	1.99E-07	6.02E-07	3.48E-07	3.48E-07	3.25E-07	1.48E-07	1.36E-07	0.00E+00	0.00E+00	6.41E-08	1.18E-08	7.71E-08	1.19E-08	1.05E-08	1.75E-07
3970	486363.09	3853877.25	6.00E-04	6.17E-04	5.69E-04	2.08E-07	6.27E-07	3.63E-07	3.63E-07	3.38E-07	1.54E-07	1.42E-07	0.00E+00	0.00E+00	6.68E-08	1.23E-08	8.04E-08	1.24E-08	1.10E-08	1.83E-07
3971	486863.09	3853877.25	6.40E-04	6.59E-04	6.04E-04	2.22E-07	6.69E-07	3.87E-07	3.87E-07	3.61E-07	1.65E-07	1.51E-07	0.00E+00	0.00E+00	7.13E-08	1.31E-08	8.59E-08	1.32E-08	1.17E-08	1.95E-07
3972	487363.09	3853877.25	7.15E-04	7.39E-04	6.65E-04	2.48E-07	7.48E-07	4.33E-07	4.33E-07	4.05E-07	1.85E-07	1.66E-07	0.00E+00	0.00E+00	7.96E-08	1.47E-08	9.63E-08	1.49E-08	1.29E-08	2.18E-07
3973	487863.09	3853877.25	8.17E-04	8.49E-04	7.43E-04	2.83E-07	8.54E-07	4.94E-07	4.94E-07	4.66E-07	2.12E-07	1.86E-07	0.00E+00	0.00E+00	9.09E-08	1.68E-08	1.11E-07	1.71E-08	1.44E-08	2.50E-07
3974	488363.09	3853877.25	8.96E-04	9.34E-04	8.05E-04	3.10E-07	9.36E-07	5.42E-07	5.42E-07	5.12E-07	2.34E-07	2.02E-07	0.00E+00	0.00E+00	9.97E-08	1.84E-08	1.22E-07	1.88E-08	1.56E-08	2.74E-07
3975	488863.09	3853877.25	1.00E-03	1.05E-03	8.92E-04	3.47E-07	1.05E-06	6.07E-07	6.07E-07	5.75E-07	2.62E-07	2.23E-07	0.00E+00	0.00E+00	1.12E-07	2.06E-08	1.37E-07	2.11E-08	1.73E-08	3.07E-07
3976	489363.09	3853877.25	1.01E-03	1.05E-03	8.95E-04	3.49E-07	1.05E-06	6.10E-07	6.10E-07	5.78E-07	2.64E-07	2.24E-07	0.00E+00	0.00E+00	1.12E-07	2.07E-08	1.37E-07	2.12E-08	1.74E-08	3.09E-07
3977	489863.09	3853877.25	1.07E-03	1.12E-03	9.52E-04	3.72E-07	1.12E-06	6.50E-07	6.50E-07	6.16E-07	2.81E-07	2.38E-07	0.00E+00	0.00E+00	1.20E-07	2.21E-08	1.46E-07	2.26E-08	1.85E-08	3.29E-07
3978	490363.09	3853877.25	1.09E-03	1.14E-03	9.67E-04	3.78E-07	1.14E-06	6.60E-07	6.60E-07	6.26E-07	2.86E-07	2.42E-07	0.00E+00	0.00E+00	1.21E-07	2.24E-08	1.49E-07	2.29E-08	1.87E-08	3.34E-07
3979	490863.09	3853877.25	1.10E-03	1.16E-03	9.76E-04	3.82E-07	1.15E-06	6.68E-07	6.68E-07	6.34E-07	2.89E-07	2.44E-07	0.00E+00	0.00E+00	1.23E-07	2.27E-08	1.51E-07	2.32E-08	1.89E-08	3.38E-07
3980	491363.09	3853877.25	1.14E-03	1.20E-03	1.01E-03	3.96E-07	1.20E-06	6.92E-07	6.92E-07	6.57E-07	3.00E-07	2.53E-07	0.00E+00	0.00E+00	1.27E-07	2.35E-08	1.56E-07	2.41E-08	1.96E-08	3.50E-07
3981	491863.09	3853877.25	1.19E-03	1.24E-03	1.06E-03	4.12E-07	1.24E-06	7.20E-07	7.20E-07	6.83E-07	3.11E-07	2.64E-07	0.00E+00	0.00E+00	1.32E-07	2.44E-08	1.62E-07	2.50E-08	2.05E-08	3.65E-07
3982	492363.09	3853877.25	1.26E-03	1.32E-03	1.12E-03	4.37E-07	1.32E-06	7.63E-07	7.63E-07	7.23E-07	3.30E-07	2.81E-07	0.00E+00	0.00E+00	1.40E-07	2.59E-08	1.72E-07	2.65E-08	2.17E-08	3.86E-07
3983	492863.09	3853877.25	1.29E-03	1.35E-03	1.15E-03	4.46E-07	1.35E-06	7.80E-07	7.80E-07	7.38E-07	3.37E-07	2.88E-07	0.00E+00	0.00E+00	1.43E-07	2.65E-08	1.75E-07	2.70E-08	2.23E-08	3.95E-07

3984	493363.09	3853877.25	1.26E-03	1.32E-03	1.13E-03	4.37E-07	1.32E-06	7.64E-07	7.64E-07	7.23E-07	3.30E-07	2.83E-07	0.00E+00	0.00E+00	1.41E-07	2.59E-08	1.72E-07	2.65E-08	2.19E-08	3.87E-07
3985	493863.09	3853877.25	1.23E-03	1.28E-03	1.10E-03	4.26E-07	1.28E-06	7.44E-07	7.44E-07	7.03E-07	3.21E-07	2.76E-07	0.00E+00	0.00E+00	1.37E-07	2.52E-08	1.67E-07	2.57E-08	2.14E-08	3.76E-07
3986	494363.09	3853877.25	1.22E-03	1.27E-03	1.10E-03	4.23E-07	1.28E-06	7.39E-07	7.39E-07	6.97E-07	3.18E-07	2.76E-07	0.00E+00	0.00E+00	1.36E-07	2.51E-08	1.66E-07	2.55E-08	2.14E-08	3.74E-07
3987	494863.09	3853877.25	1.18E-03	1.23E-03	1.07E-03	4.09E-07	1.24E-06	7.16E-07	7.16E-07	6.74E-07	3.08E-07	2.69E-07	0.00E+00	0.00E+00	1.32E-07	2.43E-08	1.60E-07	2.47E-08	2.08E-08	3.62E-07
3988	495363.09	3853877.25	1.06E-03	1.10E-03	9.73E-04	3.68E-07	1.11E-06	6.43E-07	6.43E-07	6.05E-07	2.76E-07	2.43E-07	0.00E+00	0.00E+00	1.18E-07	2.18E-08	1.44E-07	2.22E-08	1.88E-08	3.25E-07
3989	495863.09	3853877.25	9.82E-04	1.02E-03	9.04E-04	3.40E-07	1.03E-06	5.94E-07	5.94E-07	5.57E-07	2.54E-07	2.26E-07	0.00E+00	0.00E+00	1.09E-07	2.02E-08	1.32E-07	2.04E-08	1.75E-08	3.00E-07
3990	496363.09	3853877.25	9.40E-04	9.71E-04	8.71E-04	3.25E-07	9.82E-07	5.69E-07	5.69E-07	5.33E-07	2.43E-07	2.18E-07	0.00E+00	0.00E+00	1.05E-07	1.93E-08	1.27E-07	1.95E-08	1.69E-08	2.87E-07
3991	496863.09	3853877.25	8.55E-04	8.82E-04	7.99E-04	2.96E-07	8.94E-07	5.18E-07	5.18E-07	4.84E-07	2.21E-07	2.00E-07	0.00E+00	0.00E+00	9.52E-08	1.76E-08	1.15E-07	1.77E-08	1.55E-08	2.61E-07
3992	497363.09	3853877.25	7.87E-04	8.09E-04	7.40E-04	2.72E-07	8.22E-07	4.76E-07	4.76E-07	4.44E-07	2.02E-07	1.85E-07	0.00E+00	0.00E+00	8.76E-08	1.62E-08	1.05E-07	1.63E-08	1.44E-08	2.40E-07
3993	497863.09	3853877.25	6.91E-04	7.09E-04	6.57E-04	2.39E-07	7.22E-07	4.18E-07	4.18E-07	3.89E-07	1.77E-07	1.64E-07	0.00E+00	0.00E+00	7.69E-08	1.42E-08	9.24E-08	1.42E-08	1.27E-08	2.11E-07
3994	498363.09	3853877.25	6.33E-04	6.48E-04	6.05E-04	2.19E-07	6.61E-07	3.83E-07	3.83E-07	3.55E-07	1.62E-07	1.51E-07	0.00E+00	0.00E+00	7.04E-08	1.30E-08	8.44E-08	1.30E-08	1.17E-08	1.93E-07
3995	471363.09	3854377.25	2.25E-04	2.30E-04	2.18E-04	7.79E-08	2.35E-07	1.36E-07	1.36E-07	1.26E-07	5.76E-08	5.45E-08	0.00E+00	0.00E+00	2.50E-08	4.62E-09	3.00E-08	4.62E-09	4.22E-09	6.85E-08
3996	471863.09	3854377.25	2.44E-04	2.49E-04	2.36E-04	8.44E-08	2.55E-07	1.47E-07	1.47E-07	1.37E-07	6.24E-08	5.90E-08	0.00E+00	0.00E+00	2.71E-08	5.01E-09	3.25E-08	5.01E-09	4.57E-09	7.42E-08
3997	472363.09	3854377.25	2.58E-04	2.63E-04	2.49E-04	8.92E-08	2.69E-07	1.56E-07	1.56E-07	1.45E-07	6.59E-08	6.23E-08	0.00E+00	0.00E+00	2.87E-08	5.29E-09	3.43E-08	5.30E-09	4.82E-09	7.84E-08
3998	472863.09	3854377.25	2.68E-04	2.74E-04	2.58E-04	9.27E-08	2.80E-07	1.62E-07	1.62E-07	1.50E-07	6.86E-08	6.46E-08	0.00E+00	0.00E+00	2.98E-08	5.50E-09	3.57E-08	5.51E-09	5.00E-09	8.15E-08
3999	473363.09	3854377.25	2.81E-04	2.88E-04	2.70E-04	9.74E-08	2.94E-07	1.70E-07	1.70E-07	1.58E-07	7.21E-08	6.77E-08	0.00E+00	0.00E+00	3.13E-08	5.78E-09	3.75E-08	5.79E-09	5.24E-09	8.57E-08
4000	473863.09	3854377.25	2.97E-04	3.05E-04	2.85E-04	1.03E-07	3.11E-07	1.80E-07	1.80E-07	1.67E-07	7.63E-08	7.13E-08	0.00E+00	0.00E+00	3.31E-08	6.11E-09	3.97E-08	6.12E-09	5.52E-09	9.06E-08
4001	474363.09	3854377.25	3.11E-04	3.19E-04	2.97E-04	1.08E-07	3.25E-07	1.88E-07	1.88E-07	1.75E-07	7.98E-08	7.43E-08	0.00E+00	0.00E+00	3.46E-08	6.39E-09	4.16E-08	6.41E-09	5.75E-09	9.47E-08
4002	474863.09	3854377.25	3.01E-04	3.09E-04	2.86E-04	1.04E-07	3.14E-07	1.82E-07	1.82E-07	1.69E-07	7.73E-08	7.16E-08	0.00E+00	0.00E+00	3.35E-08	6.17E-09	4.02E-08	6.20E-09	5.54E-09	9.16E-08
4003	475363.09	3854377.25	2.75E-04	2.82E-04	2.62E-04	9.51E-08	2.87E-07	1.66E-07	1.66E-07	1.55E-07	7.06E-08	6.55E-08	0.00E+00	0.00E+00	3.06E-08	5.64E-09	3.68E-08	5.67E-09	5.07E-09	8.37E-08
4004	475863.09	3854377.25	2.24E-04	2.30E-04	2.16E-04	7.77E-08	2.35E-07	1.36E-07	1.36E-07	1.26E-07	5.74E-08	5.41E-08	0.00E+00	0.00E+00	2.50E-08	4.61E-09	2.99E-08	4.61E-09	4.19E-09	6.83E-08
4005	476363.09	3854377.25	2.16E-04	2.21E-04	2.09E-04	7.49E-08	2.26E-07	1.31E-07	1.31E-07	1.21E-07	5.54E-08	5.24E-08	0.00E+00	0.00E+00	2.41E-08	4.45E-09	2.88E-08	4.45E-09	4.06E-09	6.59E-08
4006	476863.09	3854377.25	2.17E-04	2.21E-04	2.10E-04	7.50E-08	2.26E-07	1.31E-07	1.31E-07	1.21E-07	5.54E-08	5.26E-08	0.00E+00	0.00E+00	2.41E-08	4.45E-09	2.88E-08	4.44E-09	4.07E-09	6.59E-08
4007	477363.09	3854377.25	2.19E-04	2.24E-04	2.13E-04	7.59E-08	2.29E-07	1.33E-07	1.33E-07	1.23E-07	5.60E-08	5.32E-08	0.00E+00	0.00E+00	2.44E-08	4.50E-09	2.92E-08	4.50E-09	4.12E-09	6.67E-08
4008	477863.09	3854377.25	2.24E-04	2.29E-04	2.17E-04	7.76E-08	2.34E-07	1.36E-07	1.36E-07	1.26E-07	5.73E-08	5.44E-08	0.00E+00	0.00E+00	2.49E-08	4.60E-09	2.98E-08	4.60E-09	4.21E-09	6.82E-08
4009	478363.09	3854377.25	2.46E-04	2.52E-04	2.37E-04	8.51E-08	2.57E-07	1.49E-07	1.49E-07	1.38E-07	6.29E-08	5.93E-08	0.00E+00	0.00E+00	2.74E-08	5.05E-09	3.28E-08	5.05E-09	4.59E-09	7.48E-08
4010	478863.09	3854377.25	2.63E-04	2.69E-04	2.52E-04	9.09E-08	2.74E-07	1.59E-07	1.59E-07	1.47E-07	6.73E-08	6.32E-08	0.00E+00	0.00E+00	2.92E-08	5.39E-09	3.50E-08	5.40E-09	4.89E-09	7.99E-08
4011	479363.09	3854377.25	3.45E-04	3.55E-04	3.27E-04	1.20E-07	3.61E-07	2.09E-07	2.09E-07	1.95E-07	8.89E-08	8.19E-08	0.00E+00	0.00E+00	3.84E-08	7.09E-09	4.63E-08	7.14E-09	6.34E-09	1.05E-07
4012	479863.09	3854377.25	4.14E-04	4.27E-04	3.88E-04	1.43E-07	4.33E-07	2.51E-07	2.51E-07	2.34E-07	1.07E-07	9.72E-08	0.00E+00	0.00E+00	4.61E-08	8.51E-09	5.57E-08	8.59E-09	7.53E-09	1.26E-07
4013	480363.09	3854377.25	5.24E-04	5.42E-04	4.85E-04	1.81E-07	5.47E-07	3.17E-07	3.17E-07	2.97E-07	1.36E-07	1.21E-07	0.00E+00	0.00E+00	5.83E-08	1.08E-08	7.06E-08	1.09E-08	9.40E-09	1.60E-07
4014	480863.09	3854377.25	7.14E-04	7.41E-04	6.55E-04	2.47E-07	7.46E-07	4.32E-07	4.32E-07	4.06E-07	1.85E-07	1.64E-07	0.00E+00	0.00E+00	7.95E-08	1.47E-08	9.65E-08	1.49E-08	1.27E-08	2.18E-07
4015	481363.09	3854377.25	9.48E-04	9.82E-04	8.75E-04	3.28E-07	9.91E-07	5.74E-07	5.74E-07	5.39E-07	2.46E-07	2.19E-07	0.00E+00	0.00E+00	1.06E-07	1.95E-08	1.28E-07	1.97E-08	1.70E-08	2.90E-07
4016	481863.09	3854377.25	1.75E-03	1.79E-03	1.70E-03	6.04E-07	1.83E-06	1.06E-06	1.06E-06	9.79E-07	4.47E-07	4.26E-07	0.00E+00	0.00E+00	1.94E-07	3.59E-08	2.33E-07	3.59E-08	3.30E-08	5.32E-07
4017	482363.09	3854377.25	2.01E-03	2.05E-03	1.96E-03	6.95E-07	2.10E-06	1.22E-06	1.22E-06	1.13E-06	5.14E-07	4.89E-07	0.00E+00	0.00E+00	2.24E-07	4.12E-08	2.68E-07	4.13E-08	3.79E-08	6.12E-07
4018	482863.09	3854377.25	1.77E-03	1.83E-03	1.67E-03	6.14E-07	1.85E-06	1.07E-06	1.07E-06	1.00E-06	4.58E-07	4.17E-07	0.00E+00	0.00E+00	1.97E-07	3.64E-08	2.38E-07	3.68E-08	3.23E-08	5.41E-07
4019	483363.09	3854377.25	1.54E-03	1.61E-03	1.38E-03	5.32E-07	1.61E-06	9.31E-07	9.31E-07	8.81E-07	4.02E-07	3.44E-07	0.00E+00	0.00E+00	1.71E-07	3.16E-08	2.09E-07	3.23E-08	2.67E-08	4.71E-07
4020	483863.09	3854377.25	1.40E-03	1.48E-03	1.17E-03	4.83E-07	1.46E-06	8.44E-07	8.44E-07	8.10E-07	3.70E-07	2.94E-07	0.00E+00	0.00E+00	1.55E-07	2.87E-08	1.93E-07	2.97E-08	2.27E-08	4.29E-07
4021	484363.09	3854377.25	1.14E-03	1.20E-03	9.88E-04	3.94E-07	1.19E-06	6.89E-07	6.89E-07	6.56E-07	2.99E-07	2.47E-07	0.00E+00	0.00E+00	1.27E-07	2.34E-08	1.56E-07	2.40E-08	1.91E-08	3.49E-07
4022	484863.09	3854377.25	8.99E-04	9.30E-04	8.34E-04	3.11E-07	9.40E-07	5.44E-07	5.44E-07	5.10E-07	2.33E-07	2.09E-07	0.00E+00	0.00E+00	1.00E-07	1.85E-08	1.21E-07	1.87E-08	1.62E-08	2.75E-07
4023	485363.09	3854377.25	1.07E-03	1.10E-03	9.92E-04	3.70E-07	1.12E-06	6.46E-07	6.46E-07	6.06E-07	2.77E-07	2.48E-07	0.00E+00	0.00E+00	1.19E-07	2.19E-08	1.44E-07	2.22E-08	1.92E-08	3.26E-07
4024	485863.09	3854377.25	1.00E-03	1.03E-03	9.36E-04	3.46E-07	1.05E-06	6.05E-07	6.05E-07	5.66E-07	2.58E-07	2.34E-07	0.00E+00	0.00E+00	1.11E-07	2.05E-08	1.35E-07	2.08E-08	1.81E-08	3.05E-07
4025	486363.09	3854377.25	1.14E-03	1.18E-03	1.04E-03	3.94E-07	1.19E-06	6.88E-07	6.88E-07	6.48E-07	2.96E-07	2.60E-07	0.00E+00	0.00E+00	1.27E-07	2.34E-08	1.54E-07	2.37E-08	2.01E-08	3.48E-07
4026	486863.09	3854377.25	1.20E-03	1.25E-03	1.08E-03	4.14E-07	1.25E-06	7.24E-07	7.24E-07	6.84E-07	3.12E-07	2.69E-07	0.00E+00	0.00E+00	1.33E-07	2.46E-08	1.63E-07	2.51E-08	2.08E-08	3.66E-07
4027	487363.09	3854377.25	1.34E-03	1.40E-03	1.18E-03	4.63E-07	1.40E-06	8.10E-07	8.10E-07	7.68E-07	3.50E-07	2.96E-07	0.00E+00	0.00E+00	1.49E-07	2.75E-08	1.82E-07	2.81E-08	2.29E-08	4.10E-07
4028	487863.09	3854377.25	1.47E-03	1.54E-03	1.27E-03	5.08E-07	1.53E-06	8.87E-07	8.87E-07	8.46E-07	3.86E-07	3.19E-07	0.00E+00	0.00E+00	1.63E-07	3.01E-08	2.01E-07	3.10E-08	2.47E-08	4.50E-07
4029	488363.09	3854377.25	1.57E-03	1.65E-03	1.35E-03	5.44E-07	1.64E-06	9.50E-07	9.50E-07	9.07E-07	4.14E-07	3.39E-07	0.00E+00	0.00E+00	1.75E-07	3.22E-08	2.16E-07	3.32E-08	2.62E-08	4.82E-07
4030	488863.09	3854377.25	1.65E-03	1.74E-03	1.42E-03	5.71E-07	1.72E-06	9.99E-07	9.99E-07	9.54E-07	4.35E-07	3.55E-07	0.00E+00	0.00E+00	1.84E-07	3.39E-08	2.27E-07	3.50E-08	2.75E-08	5.07E-07
4031	489363.09	3854377.25	1.70E-03	1.79E-03	1.46E-03	5.89E-07	1.78E-06	1.03E-06	1.03E-06	9.84E-07	4.49E-07	3.67E-07	0.00E+00	0.00E+00	1.90E-07	3.50E-08	2.34E-07	3.61E-08	2.84E-08	5.23E-07
4032	489863.09	3854377.25	1.73E-03	1.82E-03	1.49E-03	5.97E-07	1.80E-06	1.04E-06	1.04E-06	9.96E-07	4.55E-07	3.73E-07	0.00E+00	0.00E+00	1.92E-07	3.54E-08	2.37E-07	3.65E-08	2.89E-08	5.30E-07
4033	490363.09	3854377.25	1.68E-03	1.77E-03	1.45E-03	5.81E-07	1.75E-06	1.02E-06	1.02E-06	9.69E-07	4.42E-07	3.63E-07	0.00E+00	0.00E+00	1.87E-07	3.45E-08	2.30E-07	3.55E-08	2.81E-08	5.15E-07
4034	490863.09	3854377.25	1.44E-03	1.52E-03	1.26E-03	4.99E-07	1.51E-06	8.73E-07	8.73E-07	8.31E-07	3.79E-07	3.14E-07	0.00E+00	0.00E+00	1.61E-07	2.96E-08	1.97E-07	3.05E-08	2.43E-08	4.42E-07
4035	491363.09	3854377.25	1.60E-03	1.68E-03	1.39E-03	5.52E-07	1.67E-06	9.66E-07	9.66E-07	9.19E-07	4.19E-07	3.49E-07	0.00E+00	0.00E+00	1.78E-07	3.28E-08	2.18E-07	3.37E-08	2.70E-08	4.89E-07
4036	491863.09	3854377.25	1.71E-03	1.79E-03	1.50E-03	5.91E-07	1.78E-06	1.03E-06	1.03E-06	9.81E-07	4.48E-07	3.75E-07	0.00E+00	0.00E+00	1.90E-07	3.51E-08	2.33E-07	3.60E-08	2.91E-08	5.23E-07
4037	492363.09	3854377.25	1.73E-03	1.81E-03	1.53E-03	6.00E-07	1.81E-06	1.05E-06	1.05E-06	9.95E-07	4.54E-07	3.83E-07	0.00E+00	0.00E+00	1.93E-07	3.56E-08	2.36E-07	3.65E-08	2.97E-08	5.31E-07
4038	492863.09	3854377.25	1.69E-03	1.76E-03	1.50E-03	5.84E-07	1.76E-06	1.02E-06	1.02E-06	9.68E-07	4.42E-07	3.75E-07	0.00E+00	0.00E+00	1.88E-07	3.47E-08	2.30E-07	3.55E-08	2.90E-08	5.17E-07
4039	493363.09	3854377.25	1.63E-03	1.71E-03	1.46E-03	5.66E-07	1.71E-06	9.89E-07	9.89E-07	9.36E-07	4.27E-07	3.65E-07	0.00E+00	0.00E+00	1.82E-07	3.36E-08	2.22E-07	3.43E-08	2.83E-08	5.00E-07
4040	493863.09	3854377.25	1.59E-03	1.65E-03	1.43E-03	5.50E-07	1.66E-06	9.61E-07	9.61E-07	9.07E-07	4.14E-07	3.58E-07	0.00E+00	0.00E+00	1.77E-07	3.26E-08	2.16E-07	3.32E-08	2.77E-08	4.86E-07
4041	494363.09	3854377.25	1.53E-03	1.59E-03	1.38E-03	5.30E-07	1.60E-06	9.26E-07	9.26E-07	8.73E-07	3.98E-07	3.47E-07	0.00E+00	0.00E+00	1.70E-07	3.14E-08	2.07E-07	3.20E-08	2.68E-08	4.68E-07
4042	494863.09	3854377.25	1.31E-03	1.35E-03	1.19E-03	4.52E-07	1.36E-06	7.90E-07	7.90E-07	7.43E-07	3.39E-07	2.98E-07	0.00E+00	0.00E+00	1.45E-07	2.68E-08	1.77E-07	2.72E-08	2.31E-08	3.99E-07
4043	495363.09	3854377.25	1.11E-03	1.15E-03	1.02E-03	3.84E-07	1.16E-06	6.71E-07	6.71E-07	6.29E-07	2.87E-07	2.56E-07	0.00E+00	0.00E+00	1.23E-07	2.28E-08	1.50E-07	2.31E-08	1.98E-08	3.39E-07
4044	495863.09	3854377.25	1.00E-03	1.03E-03	9.31E-04	3.47E-07	1.05E-06	6.06E-07	6.06E-07	5.67E-07	2.59E-07	2.33E-07	0.00E+00	0.00E+00	1.11E-07	2.06E-08	1.35E-07	2.08E-08	1.80E-08	3.06E-07
4045	496363.09	3854377.25	9.57E-04	9.86E-04	8.96E-04	3.31E-07	1.00E-06	5.79E-07	5.79E-07	5.41E-07	2.47E-07	2.24E-07	0.00E+00	0.00E+00	1.07E-07	1.97E-08	1.29E-07	1.98E-08	1.74E-08	2.92E-07
4046	496863.09	3854377.25	8.89E-04	9.14E-04	8.38E-04	3.08E-07	9.30E-07	5.38E-07	5.38E-07	5.02E-07	2.29E-07	2.10E-07	0.00E+00	0.00E+00	9.90E-08	1.83E-08	1.19E-07	1.84E-08	1.62E-08	2.71E-07
4047	497363.09	3854377.25	7.79E-04	7.99E-04	7.41E-04	2.70E-07	8.15E-07	4.72E-07	4.72E-07	4.38E-07	2.00E-07	1.86E-07	0.00E+00	0.00E+00	8.68E-08	1.60E-08	1.04E-07	1.61E-08	1.44E-08	2.37E-07
4048	497863.09	3854377.25	7.99E-04	8.19E-04	7.61E-04	2.77E-07	8.35E-07	4.83E-07	4.83E-07	4.49E-07	2.05E-07	1.90E-07	0.00E+00	0.00E+00	8.89E-08	1.64E-08	1.07E-07	1.65E-08	1.48E-08	2.43E-07
4049	498363.09	3854377.25	7.35E-04	7.52E-04	7.04E-04	2.54E-07	7.68E-07	4.45E-07	4.45E-07	4.12E-07	1.88E-07	1.76E-07	0.00E+00	0.00E+00	8.18E-08	1.51E-08	9.80E-08	1.51E-08	1.36E-08	2.24E-07
4050	471363.09	3854877.25	2.29E-04	2.35E-04	2.22E-04	7.94E-08	2.40E-07	1.39E-07	1.39E-07	1.29E-07	5.88E-08	5.55E-08	0.00E+00	0.00E+00	2.55E-08	4.71E-09	3.06E-08	4.72E-09	4.30E-09	6.99E-08
4051	471863.09	3854877.25	2.45E-04	2.50E-04	2.36E-04	8.47E-08	2.56E-07	1.48E-07	1.48E-07	1.37E-07	6.27E-08	5.91E-08	0.00E+00	0.00E+00	2.72E-08	5.03E-09	3.26E-08	5.03E-09	4.58E-09	7.45E-08
4052	472363.09	3854877.25	2.58E-04	2.64E-04	2.49E-04	8.94E-08	2.70E-07	1.56E-07	1.56E-07	1.45E-07	6.61E-08	6.24E-08	0.00E+00	0.00E+00	2.87E-08	5.30E-09	3.44E-08	5.31E-09	4.83E-09	7.86E-08
4053	472863.09	3854877.25	2.65E-04	2.71E-04	2.55E-04	9.17E-08	2.77E-07	1.60E-07	1.60E-07	1.49E-07	6.79E-08	6.39E-08	0.00E+00	0.00E+00	2.95E-08	5.44E-09	3.53E-08	5.45E-09	4.95E-09	8.07E-08
4054	473363.09	3854877.25	2.87E-04	2.93E-04	2.76E-04	9.92E-08	2.99E-07	1.73E-07	1.73E-07	1.61E-07	7.34E-08	6.91E-08	0.00E+00	0.00E+00	3.19E-08	5.88E-09	3.82E-08	5.89E-09	5.35E-09	8.72E-08
4055	473863.09	3854877.25	3.07E-04	3.14E-04	2.95E-04	1.06E-07	3.21E-07	1.86E-07	1.86E-07	1.72E-07	7.86E-08	7.39E-08	0.00E+00	0.00E+00	3.41E-08	6.30E-09	4.09E-08	6.31E-09	5.72E-09	9.34E-08
4056	474363.09	3854877.25	3.34E-04	3.42E-04	3.21E-04	1.16E-07	3.49E-07	2.02E-07	2.02E-07	1.88E-07	8.56E-08	8.04E-08	0.00E+00	0.00E+00	3.72E-08	6.86E-09	4.46E-08	6.87E-09	6.23E-09	1.02E-07
4057	474863.09	3854877.25	2.95E-04	3.03E-04	2.83E-04	1.02E-07	3.09E-07	1.79E-07	1.79E-07	1.66E-07	7.58E-08	7.09E-08	0.00E+00	0.00E+00	3.29E-08	6.07E-09	3.95E-08	6.08E-09	5.49E-09	9.00E-08
4058	475363.09	3854877.25	2.54E-04	2.60E-04	2.45E-04	8.80E-08	2.66E-07	1.54E-07	1.54E-07	1.43E-07	6.51E-08	6.13E-08	0.00E+00	0.00E+00	2.83E-08	5.22E-09	3.39E-08	5.23E-09	4.75E-09	7.74E-08
4059	475863.09	3854877.25	2.20E-04	2.25E-04	2.14E-04	7.63E-08	2.30E-07	1.33E-07	1.33E-07	1.23E-07	5.63E-08	5.36E-08	0.00E+00	0.00E+00	2.45E-08	4.53E-09	2.93E-08	4.52E-09	4.15E-09	6.71E-08
4060	476363.09	3854877.25	1.82E-04	1.85E-04	1.79E-04	6.29E-08	1.90E-07	1.10E-07	1.10E-07	1.01E-07	4.63E-08	4.47E-08	0.00E+00	0.00E+00	2.02E-08	3.73E-09	2.41E-08	3.71E-09	3.46E-09	5.52E-08
4061	476863.09	3854877.25	1.85E-04	1.88E-04	1.82E-04	6.40E-08	1.93E-07	1.12E-07	1.12E-07	1.03E-07	4.70E-08	4.55E-08	0.00E+00	0.00E+00	2.06E-08	3.80E-09	2.45E-08	3.78E-09	3.52E-09	5.62E-08
4062	477363.09	3854877.25	2.08E-04	2.12E-04	2.04E-04	7.21E-08	2.18E-07	1.26E-07	1.26E-07	1.16E-07	5.31E-08	5.10E-08	0.00E+00	0.00E+00	2.32E-08	4.28E-09	2.76E-08	4.26E-09	3.95E-09	6.33E-08
4063	477863.09	3854877.25	2.31E-04	2.35E-04	2.25E-04	8.00E-08	2.41E-07	1.40E-07	1.40E-07	1.29E-07	5.89E-08	5.64E-08	0.00E+00	0.00E+00	2.57E-08	4.74E-09	3.07E-08	4.73E-09	4.37E-09	7.02E-08
4064	478363.09	3854877.25	2.76E-04	2.82E-04	2.67E-04	9.56E-08	2.89E-07	1.67E-07	1.67E-07	1.55E-07	7.06E-08	6.69E-08	0.00E+00	0.00E+00	3.08E-08	5.67E-09	3.68E-08	5.67E-09	5.18E-09	8.41E-08
4065	478863.09	3854877.25	3.42E-04	3.51E-04	3.28E-04	1.18E-07	3.58E-07	2.07E-07	2.07E-07	1.92E-07	8.78E-08	8.21E-08	0.00E+00	0.00E+00	3.81E-08	7.03E-09	4.57E-08	7.05E-09	6.35E-09	1.04E-07
4066	479363.09	3854877.25	4.35E-04	4.48E-04	4.11E-04	1.51E-07	4.55E-07	2.63E-07	2.63E-07	2.45E-07	1.12E-07	1.03E-07	0.00E+00	0.00E+00	4.84E-08	8.93E-09	5.83E-08	8.99E-09	7.96E-09	1.33E-07
4067	479863.09	3854877.25	5.59E-04	5.78E-04	5.21E-04	1.94E-07	5.85E-07	3.38E-07	3.38E-07	3.17E-07	1.45E-07	1.30E-07	0.00E+00	0.00E+00	6.23E-08	1.15E-08	7.53E-08	1.16E-08	1.01E-08	1.71E-07
4068	480363.09	3854877.25	6.97E-04	7.22E-04	6.45E-04	2.41E-07	7.29E-07	4.22E-07	4.22E-07	3.96E-07	1.81E-07	1.61E-07	0.00E+00	0.00E+00	7.76E-08	1.43E-08	9.41E-08	1.45E-08	1.25E-08	2.13E-07
4069	480863.09	3854877.25	9.50E-04	9.84E-04	8.78E-04	3.29E-07	9.93E-07	5.75E-07	5.75E-07	5.40E-07	2.46E-07	2.20E-07	0.00E+00	0.00E+00	1.06E-07	1.95E-08	1.28E-07	1.98E-08	1.70E-08	2.90E-07
4070	481363.09	3854877.25	1.18E-03	1.22E-03	1.09E-03	4.09E-07	1.23E-06	7.14E-07	7.14E-07	6.70E-07	3.06E-07	2.74E-07	0.00E+00	0.00E+00	1.31E-07	2.42E-08	1.59E-07	2.46E-08	2.12E-08	3.61E-07
4071	481863.09	3854877.25	1.27E-03	1.31E-03	1.17E-03	4.38E-07	1.32E-06	7.66E-07	7.66E-07	7.19E-07	3.28E-07	2.92E-07	0.00E+00	0.00E+00	1.41E-07	2.60E-08	1.71E-07	2.64E-08	2.26E-08	3.87E-07
4072	482363.09	3854877.25	3.40E-03	3.45E-03	3.37E-03	1.18E-06	3.55E-06	2.05E-06	2.05E-06	1.89E-06	8.64E-07	8.44E-07	0.00E+00	0.00E+00	3.78E-07	6.97E-08	4.50E-07	6.94E-08	6.54E-08	1.03E-06
4073	482863.09	3854877.25	4.68E-03	4.75E-03	4.66E-03	1.62E-06	4.89E-06	2.83E-06	2.83E-06	2.61E-06	1.19E-06	1.17E-06	0.00E+00	0.00E+00	5.20E-07	9.60E-08	6.19E-07	9.55E-08	9.03E-08	1.42E-06
4074	483363.09	3854877.25	4.81E-03	4.91E-03	4.69E-03	1.67E-06	5.03E-06	2.91E-06	2.91E-06	2.69E-06	1.23E-06	1.17E-06	0.00E+00	0.00E+00	5.36E-07	9.88E-08	6.40E-07	9.87E-08	9.09E-08	1.46E-06
4075	483863.09	3854877.25	4.13E-03	4.28E-03	3.81E-03	1.43E-06	4.31E-06	2.50E-06	2.50E-06	2.35E-06	1.07E-06	9.52E-07	0.00E+00	0.00E+00	4.59E-07	8.48E-08	5.57E-07	8.60E-08	7.37E-08	1.26E-06
4076	484363.09	3854877.25	3.43E-03	3.61E-03	2.96E-03	1.19E-06	3.59E-06	2.08E-06	2.08E-06	1.98E-06	9.05E-07	7.42E-07	0.00E+00	0.00E+00	3.82E-07	7.05E-08	4.71E-07	7.26E-08	5.74E-08	1.05E-06
4077	484863.09	3854877.25	2.92E-03	3.07E-03	2.53E-03	1.01E-06	3.05E-06	1.77E-06	1.77E-06	1.69E-06	7.69E-07	6.34E-07	0.00E+00	0.00E+00	3.25E-07	6.00E-08	4.00E-07	6.17E-08	4.91E-08	8.96E-07
4078	485363.09	3854877.25	2.94E-03	3.12E-03	2.45E-03	1.02E-06	3.07E-06	1.78E-06	1.78E-06	1.71E-06	7.82E-07	6.14E-07	0.00E+00	0.00E+00	3.27E-07	6.04E-08	4.07E-07	6.28E-08	4.75E-08	9.05E-07
4079	485863.09	3854877.25	2.82E-03	3.00E-03	2.31E-03	9.75E-07	2.94E-06	1.70E-06	1.70E-06	1.65E-06	7.51E-07	5.78E-07	0.00E+00	0.00E+00	3.14E-07	5.79E-08	3.91E-07	6.03E-08	4.47E-08	8.68E-07
4080	486363.09	3854877.25	2.66E-03	2.83E-03	2.18E-03	9.20E-07	2.78E-06	1.61E-06	1.61E-06	1.55E-06	7.08E-07	5.46E-07	0.00E+00	0.00E+00	2.96E-07	5.46E-08	3.69E-07	5.69E-08	4.23E-08	8.18E-07
4081	486863.09	3854877.25	2.52E-03	2.69E-03	2.08E-03	8.74E-07	2.64E-06	1.53E-06	1.53E-06	1.47E-06	6.72E-07	5.21E-07	0.00E+00	0.00E+00	2.81E-07	5.19E-08	3.50E-07	5.40E-08	4.03E-08	7.77E-07
4082	487363.09	3854877.25	2.65E-03	2.81E-03	2.18E-03	9.16E-07	2.77E-06	1.60E-06	1.60E-06	1.54E-06	7.04E-07	5.47E-07	0.00E+00	0.00E+00	2.95E-07	5.43E-08	3.67E-07	5.66E-08	4.23E-08	8.14E-07
4083	487863.09	3854877.25	2.66E-03	2.83E-03	2.19E-03	9.22E-07	2.78E-06	1.61E-06	1.61E-06	1.55E-06	7.09E-07	5.49E-07	0.00E+00	0.00E+00	2.96E-07	5.47E-08	3.69E-07	5.69E-08	4.25E-08	8.20E-07
4084	488363.09	3854877.25	2.70E-03	2.87E-03	2.23E-03	9.34E-07	2.82E-06	1.63E-06	1.63E-06	1.57E-06	7.18E-07	5.58E-07	0.00E+00	0.00E+00	3.00E-07	5.54E-08	3.74E-07	5.77E-08	4.32E-08	8.31E-07
4085	488863.09	3854877.25	2.74E-03	2.91E-03	2.28E-03	9.50E-07	2.87E-06	1.66E-06	1.66E-06	1.60E-06	7.30E-07	5.72E-07	0.00E+00	0.00E+00	3.06E-07	5.64E-08	3.80E-07	5.86E-08	4.43E-08	8.45E-07
4086	489363.09	3854877.25	2.71E-03	2.88E-03	2.28E-03	9.40E-07	2.84E-06	1.64E-06	1.64E-06	1.58E-06	7.20E-07	5.71E-07	0.00E+00	0.00E+00	3.02E-07	5.57E-08	3.75E-07	5.78E-08	4.42E-08	8.35E-07
4087	489863.09	3854877.25	2.54E-03	2.69E-03	2.15E-03	8.81E-07	2.66E-06	1.54E-06	1.54E-06	1.48E-06	6.74E-07	5.39E-07	0.00E+00	0.00E+00	2.83E-07	5.23E-08	3.51E-07	5.41E-08	4.18E-08	7.82E-07
4088	490363.09	3854877.25	1.98E-03	2.09E-03	1.69E-03	6.85E-07	2.07E-06	1.20E-06	1.20E-06	1.15E-06	5.23E-07	4.23E-07	0.00E+00	0.00E+00	2.20E-07	4.07E-08	2.72E-07	4.20E-08	3.28E-08	6.08E-07

4089	490863.09	3854877.25	1.54E-03	1.62E-03	1.35E-03	5.34E-07	1.61E-06	9.33E-07	9.33E-07	8.88E-07	4.05E-07	3.37E-07	0.00E+00	0.00E+00	1.72E-07	3.17E-08	2.11E-07	3.25E-08	2.61E-08	4.73E-07
4090	491363.09	3854877.25	1.66E-03	1.74E-03	1.45E-03	5.76E-07	1.74E-06	1.01E-06	1.01E-06	9.57E-07	4.36E-07	3.64E-07	0.00E+00	0.00E+00	1.85E-07	3.41E-08	2.27E-07	3.51E-08	2.82E-08	5.10E-07
4091	491863.09	3854877.25	2.27E-03	2.38E-03	1.99E-03	7.86E-07	2.37E-06	1.37E-06	1.37E-06	1.31E-06	5.97E-07	4.97E-07	0.00E+00	0.00E+00	2.53E-07	4.67E-08	3.11E-07	4.79E-08	3.85E-08	6.97E-07
4092	492363.09	3854877.25	2.26E-03	2.37E-03	1.99E-03	7.82E-07	2.36E-06	1.37E-06	1.37E-06	1.30E-06	5.92E-07	4.98E-07	0.00E+00	0.00E+00	2.51E-07	4.64E-08	3.08E-07	4.75E-08	3.86E-08	6.92E-07
4093	492863.09	3854877.25	2.19E-03	2.29E-03	1.95E-03	7.58E-07	2.29E-06	1.32E-06	1.32E-06	1.25E-06	5.72E-07	4.88E-07	0.00E+00	0.00E+00	2.44E-07	4.50E-08	2.98E-07	4.60E-08	3.77E-08	6.70E-07
4094	493363.09	3854877.25	2.08E-03	2.17E-03	1.87E-03	7.20E-07	2.17E-06	1.26E-06	1.26E-06	1.19E-06	5.43E-07	4.67E-07	0.00E+00	0.00E+00	2.32E-07	4.27E-08	2.83E-07	4.36E-08	3.61E-08	6.37E-07
4095	493863.09	3854877.25	1.98E-03	2.06E-03	1.78E-03	6.84E-07	2.07E-06	1.20E-06	1.20E-06	1.13E-06	5.15E-07	4.46E-07	0.00E+00	0.00E+00	2.20E-07	4.06E-08	2.68E-07	4.13E-08	3.46E-08	6.05E-07
4096	494363.09	3854877.25	1.61E-03	1.67E-03	1.46E-03	5.56E-07	1.68E-06	9.73E-07	9.73E-07	9.16E-07	4.18E-07	3.66E-07	0.00E+00	0.00E+00	1.79E-07	3.30E-08	2.18E-07	3.35E-08	2.83E-08	4.91E-07
4097	494863.09	3854877.25	1.28E-03	1.32E-03	1.18E-03	4.42E-07	1.33E-06	7.72E-07	7.72E-07	7.24E-07	3.30E-07	2.94E-07	0.00E+00	0.00E+00	1.42E-07	2.62E-08	1.72E-07	2.65E-08	2.28E-08	3.90E-07
4098	495363.09	3854877.25	1.11E-03	1.14E-03	1.03E-03	3.84E-07	1.16E-06	6.70E-07	6.70E-07	6.27E-07	2.86E-07	2.59E-07	0.00E+00	0.00E+00	1.23E-07	2.28E-08	1.49E-07	2.30E-08	2.00E-08	3.38E-07
4099	495863.09	3854877.25	1.02E-03	1.05E-03	9.57E-04	3.52E-07	1.06E-06	6.16E-07	6.16E-07	5.74E-07	2.62E-07	2.40E-07	0.00E+00	0.00E+00	1.13E-07	2.09E-08	1.36E-07	2.10E-08	1.85E-08	3.10E-07
4100	496363.09	3854877.25	8.99E-04	9.22E-04	8.53E-04	3.11E-07	9.40E-07	5.44E-07	5.44E-07	5.06E-07	2.31E-07	2.14E-07	0.00E+00	0.00E+00	1.00E-07	1.85E-08	1.20E-07	1.85E-08	1.65E-08	2.74E-07
4101	496863.09	3854877.25	8.22E-04	8.42E-04	7.85E-04	2.85E-07	8.59E-07	4.98E-07	4.98E-07	4.62E-07	2.11E-07	1.97E-07	0.00E+00	0.00E+00	9.15E-08	1.69E-08	1.10E-07	1.69E-08	1.52E-08	2.50E-07
4102	497363.09	3854877.25	7.98E-04	8.17E-04	7.65E-04	2.76E-07	8.35E-07	4.83E-07	4.83E-07	4.48E-07	2.04E-07	1.91E-07	0.00E+00	0.00E+00	8.89E-08	1.64E-08	1.06E-07	1.64E-08	1.48E-08	2.43E-07
4103	497863.09	3854877.25	8.48E-04	8.68E-04	8.13E-04	2.94E-07	8.87E-07	5.13E-07	5.13E-07	4.76E-07	2.17E-07	2.03E-07	0.00E+00	0.00E+00	9.44E-08	1.74E-08	1.13E-07	1.74E-08	1.58E-08	2.58E-07
4104	498363.09	3854877.25	8.35E-04	8.54E-04	8.03E-04	2.89E-07	8.73E-07	5.05E-07	5.05E-07	4.68E-07	2.14E-07	2.01E-07	0.00E+00	0.00E+00	9.30E-08	1.72E-08	1.11E-07	1.72E-08	1.56E-08	2.54E-07
4105	471363.09	3855377.25	2.39E-04	2.44E-04	2.31E-04	8.26E-08	2.49E-07	1.44E-07	1.44E-07	1.34E-07	6.11E-08	5.78E-08	0.00E+00	0.00E+00	2.66E-08	4.90E-09	3.18E-08	4.90E-09	4.47E-09	7.26E-08
4106	471863.09	3855377.25	2.48E-04	2.53E-04	2.39E-04	8.58E-08	2.59E-07	1.50E-07	1.50E-07	1.39E-07	6.34E-08	5.99E-08	0.00E+00	0.00E+00	2.76E-08	5.09E-09	3.30E-08	5.09E-09	4.64E-09	7.54E-08
4107	472363.09	3855377.25	2.65E-04	2.71E-04	2.56E-04	9.18E-08	2.77E-07	1.61E-07	1.61E-07	1.49E-07	6.79E-08	6.41E-08	0.00E+00	0.00E+00	2.95E-08	5.45E-09	3.54E-08	5.46E-09	4.96E-09	8.08E-08
4108	472863.09	3855377.25	2.74E-04	2.81E-04	2.65E-04	9.50E-08	2.87E-07	1.66E-07	1.66E-07	1.54E-07	7.03E-08	6.62E-08	0.00E+00	0.00E+00	3.05E-08	5.64E-09	3.66E-08	5.64E-09	5.13E-09	8.36E-08
4109	473363.09	3855377.25	2.99E-04	3.06E-04	2.89E-04	1.04E-07	3.13E-07	1.81E-07	1.81E-07	1.68E-07	7.67E-08	7.22E-08	0.00E+00	0.00E+00	3.33E-08	6.15E-09	3.99E-08	6.16E-09	5.59E-09	9.12E-08
4110	473863.09	3855377.25	3.20E-04	3.28E-04	3.09E-04	1.11E-07	3.35E-07	1.94E-07	1.94E-07	1.80E-07	8.21E-08	7.73E-08	0.00E+00	0.00E+00	3.57E-08	6.58E-09	4.28E-08	6.59E-09	5.98E-09	9.76E-08
4111	474363.09	3855377.25	3.44E-04	3.52E-04	3.31E-04	1.19E-07	3.59E-07	2.08E-07	2.08E-07	1.93E-07	8.81E-08	8.28E-08	0.00E+00	0.00E+00	3.83E-08	7.06E-09	4.59E-08	7.07E-09	6.41E-09	1.05E-07
4112	474863.09	3855377.25	3.05E-04	3.12E-04	2.92E-04	1.05E-07	3.18E-07	1.84E-07	1.84E-07	1.71E-07	7.81E-08	7.32E-08	0.00E+00	0.00E+00	3.39E-08	6.25E-09	4.07E-08	6.27E-09	5.67E-09	9.27E-08
4113	475363.09	3855377.25	2.03E-04	2.07E-04	1.98E-04	7.02E-08	2.12E-07	1.23E-07	1.23E-07	1.13E-07	5.17E-08	4.96E-08	0.00E+00	0.00E+00	2.26E-08	4.16E-09	2.69E-08	4.15E-09	3.84E-09	6.16E-08
4114	475863.09	3855377.25	1.80E-04	1.83E-04	1.78E-04	6.24E-08	1.88E-07	1.09E-07	1.09E-07	1.01E-07	4.59E-08	4.44E-08	0.00E+00	0.00E+00	2.01E-08	3.70E-09	2.39E-08	3.68E-09	3.44E-09	5.48E-08
4115	476363.09	3855377.25	2.01E-04	2.05E-04	1.97E-04	6.96E-08	2.10E-07	1.22E-07	1.22E-07	1.12E-07	5.12E-08	4.94E-08	0.00E+00	0.00E+00	2.24E-08	4.13E-09	2.67E-08	4.11E-09	3.83E-09	6.11E-08
4116	476863.09	3855377.25	2.05E-04	2.08E-04	2.01E-04	7.09E-08	2.14E-07	1.24E-07	1.24E-07	1.14E-07	5.21E-08	5.04E-08	0.00E+00	0.00E+00	2.28E-08	4.21E-09	2.71E-08	4.19E-09	3.90E-09	6.22E-08
4117	477363.09	3855377.25	2.22E-04	2.26E-04	2.18E-04	7.69E-08	2.32E-07	1.34E-07	1.34E-07	1.24E-07	5.66E-08	5.45E-08	0.00E+00	0.00E+00	2.47E-08	4.56E-09	2.95E-08	4.54E-09	4.22E-09	6.75E-08
4118	477863.09	3855377.25	2.61E-04	2.66E-04	2.54E-04	9.02E-08	2.72E-07	1.58E-07	1.58E-07	1.46E-07	6.65E-08	6.35E-08	0.00E+00	0.00E+00	2.90E-08	5.35E-09	3.46E-08	5.34E-09	4.92E-09	7.93E-08
4119	478363.09	3855377.25	3.08E-04	3.15E-04	2.98E-04	1.07E-07	3.22E-07	1.86E-07	1.86E-07	1.73E-07	7.88E-08	7.46E-08	0.00E+00	0.00E+00	3.43E-08	6.33E-09	4.10E-08	6.33E-09	5.77E-09	9.38E-08
4120	478863.09	3855377.25	3.64E-04	3.73E-04	3.50E-04	1.26E-07	3.81E-07	2.20E-07	2.20E-07	2.05E-07	9.34E-08	8.76E-08	0.00E+00	0.00E+00	4.06E-08	7.48E-09	4.86E-08	7.50E-09	6.78E-09	1.11E-07
4121	479363.09	3855377.25	4.54E-04	4.66E-04	4.32E-04	1.57E-07	4.74E-07	2.75E-07	2.75E-07	2.56E-07	1.17E-07	1.08E-07	0.00E+00	0.00E+00	5.05E-08	9.32E-09	6.08E-08	9.37E-09	8.37E-09	1.38E-07
4122	479863.09	3855377.25	5.56E-04	5.72E-04	5.25E-04	1.92E-07	5.81E-07	3.36E-07	3.36E-07	3.14E-07	1.43E-07	1.31E-07	0.00E+00	0.00E+00	6.19E-08	1.14E-08	7.46E-08	1.15E-08	1.02E-08	1.70E-07
4123	480363.09	3855377.25	7.53E-04	7.78E-04	7.02E-04	2.61E-07	7.87E-07	4.56E-07	4.56E-07	4.27E-07	1.95E-07	1.76E-07	0.00E+00	0.00E+00	8.39E-08	1.55E-08	1.01E-07	1.56E-08	1.36E-08	2.30E-07
4124	480863.09	3855377.25	1.09E-03	1.13E-03	1.02E-03	3.79E-07	1.14E-06	6.62E-07	6.62E-07	6.20E-07	2.83E-07	2.56E-07	0.00E+00	0.00E+00	1.22E-07	2.25E-08	1.47E-07	2.27E-08	1.98E-08	3.34E-07
4125	481363.09	3855377.25	1.68E-03	1.73E-03	1.61E-03	5.82E-07	1.76E-06	1.02E-06	1.02E-06	9.48E-07	4.33E-07	4.02E-07	0.00E+00	0.00E+00	1.87E-07	3.46E-08	2.25E-07	3.47E-08	3.11E-08	5.13E-07
4126	481863.09	3855377.25	2.68E-03	2.73E-03	2.62E-03	9.27E-07	2.80E-06	1.62E-06	1.62E-06	1.50E-06	6.84E-07	6.56E-07	0.00E+00	0.00E+00	2.98E-07	5.50E-08	3.56E-07	5.49E-08	5.08E-08	8.15E-07
4127	482363.09	3855377.25	5.27E-03	5.34E-03	5.33E-03	1.83E-06	5.51E-06	3.19E-06	3.19E-06	2.93E-06	1.34E-06	1.33E-06	0.00E+00	0.00E+00	5.87E-07	1.08E-07	6.96E-07	1.07E-07	1.03E-07	1.60E-06
4128	482863.09	3855377.25	2.13E-02	2.14E-02	2.22E-02	7.37E-06	2.23E-05	1.29E-05	1.29E-05	1.17E-05	5.35E-06	5.55E-06	0.00E+00	0.00E+00	2.37E-06	4.37E-07	2.79E-06	4.30E-07	4.30E-07	6.45E-06
4129	483363.09	3855377.25	2.87E-02	2.88E-02	2.98E-02	9.92E-06	3.00E-05	1.73E-05	1.73E-05	1.58E-05	7.20E-06	7.47E-06	0.00E+00	0.00E+00	3.19E-06	5.89E-07	3.75E-06	5.78E-07	5.78E-07	8.69E-06
4130	483863.09	3855377.25	1.35E-02	1.37E-02	1.35E-02	4.66E-06	1.41E-05	8.15E-06	8.15E-06	7.49E-06	3.42E-06	3.38E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.78E-06	2.75E-07	2.62E-07	4.09E-06
4131	484363.09	3855377.25	9.58E-03	1.01E-02	8.11E-03	3.32E-06	1.00E-05	5.80E-06	5.80E-06	5.56E-06	2.54E-06	2.03E-06	0.00E+00	0.00E+00	1.07E-06	1.97E-07	1.32E-06	2.04E-07	1.57E-07	2.95E-06
4132	484863.09	3855377.25	4.00E-02	4.56E-02	2.25E-02	1.39E-05	4.18E-05	2.42E-05	2.42E-05	2.50E-05	1.14E-05	5.63E-06	0.00E+00	0.00E+00	4.46E-06	8.22E-07	5.94E-06	9.16E-07	4.36E-07	1.26E-05
4133	485363.09	3855377.25	1.66E-02	1.87E-02	1.03E-02	5.76E-06	1.74E-05	1.01E-05	1.01E-05	1.02E-05	4.67E-06	2.59E-06	0.00E+00	0.00E+00	1.85E-06	3.42E-07	2.43E-06	3.75E-07	2.01E-07	5.20E-06
4134	485863.09	3855377.25	9.41E-03	1.04E-02	6.49E-03	3.26E-06	9.84E-06	5.70E-06	5.70E-06	5.69E-06	2.60E-06	1.62E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.35E-06	2.09E-07	1.26E-07	2.93E-06
4135	486363.09	3855377.25	6.52E-03	7.11E-03	4.79E-03	2.26E-06	6.82E-06	3.95E-06	3.95E-06	3.90E-06	1.78E-06	1.20E-06	0.00E+00	0.00E+00	7.26E-07	1.34E-07	9.26E-07	1.43E-07	9.29E-08	2.02E-06
4136	486863.09	3855377.25	5.15E-03	5.56E-03	3.94E-03	1.78E-06	5.38E-06	3.12E-06	3.12E-06	3.05E-06	1.39E-06	9.87E-07	0.00E+00	0.00E+00	5.73E-07	1.06E-07	7.25E-07	1.12E-07	7.64E-08	1.59E-06
4137	487363.09	3855377.25	4.92E-03	5.30E-03	3.85E-03	1.70E-06	5.14E-06	2.98E-06	2.98E-06	2.90E-06	1.33E-06	9.64E-07	0.00E+00	0.00E+00	5.48E-07	1.01E-07	6.90E-07	1.06E-07	7.47E-08	1.52E-06
4138	487863.09	3855377.25	4.64E-03	4.98E-03	3.69E-03	1.61E-06	4.85E-06	2.81E-06	2.81E-06	2.73E-06	1.25E-06	9.23E-07	0.00E+00	0.00E+00	5.16E-07	9.53E-08	6.48E-07	1.00E-07	7.15E-08	1.43E-06
4139	488363.09	3855377.25	4.42E-03	4.72E-03	3.57E-03	1.53E-06	4.62E-06	2.67E-06	2.67E-06	2.59E-06	1.18E-06	8.93E-07	0.00E+00	0.00E+00	4.92E-07	9.07E-08	6.16E-07	9.49E-08	6.92E-08	1.36E-06
4140	488863.09	3855377.25	4.22E-03	4.49E-03	3.46E-03	1.46E-06	4.41E-06	2.55E-06	2.55E-06	2.46E-06	1.12E-06	8.66E-07	0.00E+00	0.00E+00	4.69E-07	8.66E-08	5.85E-07	9.03E-08	6.71E-08	1.30E-06
4141	489363.09	3855377.25	3.99E-03	4.23E-03	3.32E-03	1.38E-06	4.17E-06	2.41E-06	2.41E-06	2.32E-06	1.06E-06	8.30E-07	0.00E+00	0.00E+00	4.44E-07	8.19E-08	5.52E-07	8.51E-08	6.43E-08	1.23E-06
4142	489863.09	3855377.25	3.63E-03	3.85E-03	3.05E-03	1.26E-06	3.80E-06	2.20E-06	2.20E-06	2.11E-06	9.64E-07	7.64E-07	0.00E+00	0.00E+00	4.04E-07	7.46E-08	5.02E-07	7.74E-08	5.91E-08	1.12E-06
4143	490363.09	3855377.25	3.53E-03	3.73E-03	3.01E-03	1.22E-06	3.69E-06	2.14E-06	2.14E-06	2.05E-06	9.34E-07	7.54E-07	0.00E+00	0.00E+00	3.93E-07	7.26E-08	4.86E-07	7.50E-08	5.84E-08	1.09E-06
4144	490863.09	3855377.25	2.43E-03	2.56E-03	2.09E-03	8.41E-07	2.54E-06	1.47E-06	1.47E-06	1.40E-06	6.40E-07	5.24E-07	0.00E+00	0.00E+00	2.71E-07	4.99E-08	3.34E-07	5.14E-08	4.06E-08	7.46E-07
4145	491363.09	3855377.25	2.10E-03	2.20E-03	1.83E-03	7.26E-07	2.19E-06	1.27E-06	1.27E-06	1.21E-06	5.51E-07	4.58E-07	0.00E+00	0.00E+00	2.34E-07	4.31E-08	2.87E-07	4.43E-08	3.55E-08	6.43E-07
4146	491863.09	3855377.25	2.89E-03	3.03E-03	2.54E-03	1.00E-06	3.02E-06	1.75E-06	1.75E-06	1.66E-06	7.59E-07	6.36E-07	0.00E+00	0.00E+00	3.22E-07	5.94E-08	3.95E-07	6.09E-08	4.92E-08	8.87E-07
4147	492363.09	3855377.25	2.87E-03	3.00E-03	2.55E-03	9.93E-07	3.00E-06	1.74E-06	1.74E-06	1.64E-06	7.50E-07	6.39E-07	0.00E+00	0.00E+00	3.19E-07	5.89E-08	3.91E-07	6.03E-08	4.95E-08	8.79E-07
4148	492863.09	3855377.25	2.71E-03	2.82E-03	2.43E-03	9.38E-07	2.83E-06	1.64E-06	1.64E-06	1.55E-06	7.07E-07	6.08E-07	0.00E+00	0.00E+00	3.02E-07	5.56E-08	3.68E-07	5.68E-08	4.71E-08	8.29E-07
4149	493363.09	3855377.25	2.43E-03	2.53E-03	2.19E-03	8.41E-07	2.54E-06	1.47E-06	1.47E-06	1.39E-06	6.33E-07	5.49E-07	0.00E+00	0.00E+00	2.70E-07	4.99E-08	3.29E-07	5.08E-08	4.25E-08	7.43E-07
4150	493863.09	3855377.25	1.99E-03	2.07E-03	1.81E-03	6.89E-07	2.08E-06	1.20E-06	1.20E-06	1.13E-06	5.17E-07	4.53E-07	0.00E+00	0.00E+00	2.22E-07	4.09E-08	2.69E-07	4.15E-08	3.51E-08	6.08E-07
4151	494363.09	3855377.25	1.57E-03	1.63E-03	1.45E-03	5.44E-07	1.64E-06	9.50E-07	9.50E-07	8.91E-07	4.07E-07	3.62E-07	0.00E+00	0.00E+00	1.75E-07	3.23E-08	2.12E-07	3.27E-08	2.81E-08	4.80E-07
4152	494863.09	3855377.25	1.27E-03	1.31E-03	1.19E-03	4.41E-07	1.33E-06	7.71E-07	7.71E-07	7.20E-07	3.29E-07	2.98E-07	0.00E+00	0.00E+00	1.42E-07	2.62E-08	1.71E-07	2.64E-08	2.31E-08	3.89E-07
4153	495363.09	3855377.25	1.09E-03	1.12E-03	1.03E-03	3.77E-07	1.14E-06	6.60E-07	6.60E-07	6.14E-07	2.80E-07	2.58E-07	0.00E+00	0.00E+00	1.21E-07	2.24E-08	1.46E-07	2.25E-08	2.00E-08	3.32E-07
4154	495863.09	3855377.25	9.64E-04	9.87E-04	9.19E-04	3.34E-07	1.01E-06	5.83E-07	5.83E-07	5.42E-07	2.47E-07	2.30E-07	0.00E+00	0.00E+00	1.07E-07	1.98E-08	1.29E-07	1.98E-08	1.78E-08	2.93E-07
4155	496363.09	3855377.25	9.35E-04	9.57E-04	8.95E-04	3.24E-07	9.78E-07	5.66E-07	5.66E-07	5.25E-07	2.40E-07	2.24E-07	0.00E+00	0.00E+00	1.04E-07	1.92E-08	1.25E-07	1.92E-08	1.74E-08	2.85E-07
4156	496863.09	3855377.25	9.10E-04	9.31E-04	8.74E-04	3.15E-07	9.52E-07	5.51E-07	5.51E-07	5.11E-07	2.33E-07	2.19E-07	0.00E+00	0.00E+00	1.01E-07	1.87E-08	1.21E-07	1.87E-08	1.69E-08	2.77E-07
4157	497363.09	3855377.25	9.15E-04	9.35E-04	8.81E-04	3.17E-07	9.57E-07	5.54E-07	5.54E-07	5.13E-07	2.34E-07	2.20E-07	0.00E+00	0.00E+00	1.02E-07	1.88E-08	1.22E-07	1.88E-08	1.71E-08	2.78E-07
4158	497863.09	3855377.25	9.39E-04	9.59E-04	9.04E-04	3.25E-07	9.81E-07	5.68E-07	5.68E-07	5.26E-07	2.40E-07	2.26E-07	0.00E+00	0.00E+00	1.04E-07	1.93E-08	1.25E-07	1.93E-08	1.75E-08	2.86E-07
4159	498363.09	3855377.25	9.73E-04	9.94E-04	9.37E-04	3.37E-07	1.02E-06	5.88E-07	5.88E-07	5.45E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	2.00E-08	1.29E-07	2.00E-08	1.82E-08	2.96E-07
4160	471363.09	3855877.25	2.45E-04	2.50E-04	2.38E-04	8.48E-08	2.56E-07	1.48E-07	1.48E-07	1.37E-07	6.26E-08	5.95E-08	0.00E+00	0.00E+00	2.73E-08	5.03E-09	3.26E-08	5.03E-09	4.61E-09	7.46E-08
4161	471863.09	3855877.25	2.55E-04	2.60E-04	2.47E-04	8.82E-08	2.66E-07	1.54E-07	1.54E-07	1.43E-07	6.52E-08	6.18E-08	0.00E+00	0.00E+00	2.84E-08	5.23E-09	3.39E-08	5.23E-09	4.79E-09	7.75E-08
4162	472363.09	3855877.25	2.78E-04	2.84E-04	2.70E-04	9.63E-08	2.91E-07	1.68E-07	1.68E-07	1.56E-07	7.11E-08	6.75E-08	0.00E+00	0.00E+00	3.10E-08	5.71E-09	3.70E-08	5.71E-09	5.23E-09	8.46E-08
4163	472863.09	3855877.25	2.82E-04	2.89E-04	2.73E-04	9.78E-08	2.95E-07	1.71E-07	1.71E-07	1.58E-07	7.23E-08	6.84E-08	0.00E+00	0.00E+00	3.14E-08	5.80E-09	3.76E-08	5.80E-09	5.30E-09	8.60E-08
4164	473363.09	3855877.25	3.14E-04	3.21E-04	3.04E-04	1.09E-07	3.29E-07	1.90E-07	1.90E-07	1.76E-07	8.04E-08	7.62E-08	0.00E+00	0.00E+00	3.50E-08	6.46E-09	4.19E-08	6.46E-09	5.90E-09	9.57E-08
4165	473863.09	3855877.25	3.38E-04	3.46E-04	3.28E-04	1.17E-07	3.54E-07	2.05E-07	2.05E-07	1.90E-07	8.66E-08	8.20E-08	0.00E+00	0.00E+00	3.77E-08	6.95E-09	4.51E-08	6.95E-09	6.35E-09	1.03E-07
4166	474363.09	3855877.25	3.60E-04	3.68E-04	3.48E-04	1.24E-07	3.76E-07	2.18E-07	2.18E-07	2.02E-07	9.20E-08	8.71E-08	0.00E+00	0.00E+00	4.00E-08	7.39E-09	4.79E-08	7.39E-09	6.74E-09	1.09E-07
4167	474863.09	3855877.25	2.96E-04	3.03E-04	2.85E-04	1.02E-07	3.09E-07	1.79E-07	1.79E-07	1.66E-07	7.58E-08	7.12E-08	0.00E+00	0.00E+00	3.29E-08	6.07E-09	3.95E-08	6.09E-09	5.52E-09	9.01E-08
4168	475363.09	3855877.25	2.24E-04	2.29E-04	2.18E-04	7.76E-08	2.34E-07	1.36E-07	1.36E-07	1.26E-07	5.73E-08	5.45E-08	0.00E+00	0.00E+00	2.50E-08	4.60E-09	2.98E-08	4.60E-09	4.22E-09	6.82E-08
4169	475863.09	3855877.25	1.52E-04	1.54E-04	1.51E-04	5.26E-08	1.59E-07	9.20E-08	9.20E-08	8.46E-08	3.86E-08	3.77E-08	0.00E+00	0.00E+00	1.69E-08	3.12E-09	2.01E-08	3.10E-09	2.92E-09	4.62E-08
4170	476363.09	3855877.25	1.63E-04	1.65E-04	1.61E-04	5.64E-08	1.70E-07	9.86E-08	9.86E-08	9.07E-08	4.14E-08	4.04E-08	0.00E+00	0.00E+00	1.81E-08	3.35E-09	2.15E-08	3.32E-09	3.13E-09	4.95E-08
4171	476863.09	3855877.25	2.08E-04	2.12E-04	2.05E-04	7.21E-08	2.18E-07	1.26E-07	1.26E-07	1.16E-07	5.30E-08	5.13E-08	0.00E+00	0.00E+00	2.32E-08	4.28E-09	2.76E-08	4.26E-09	3.97E-09	6.33E-08
4172	477363.09	3855877.25	2.38E-04	2.43E-04	2.33E-04	8.25E-08	2.49E-07	1.44E-07	1.44E-07	1.33E-07	6.07E-08	5.84E-08	0.00E+00	0.00E+00	2.65E-08	4.89E-09	3.16E-08	4.88E-09	4.52E-09	7.24E-08
4173	477863.09	3855877.25	2.73E-04	2.79E-04	2.67E-04	9.46E-08	2.86E-07	1.65E-07	1.65E-07	1.53E-07	6.98E-08	6.67E-08	0.00E+00	0.00E+00	3.04E-08	5.61E-09	3.63E-08	5.60E-09	5.16E-09	8.31E-08
4174	478363.09	3855877.25	3.25E-04	3.32E-04	3.14E-04	1.12E-07	3.39E-07	1.96E-07	1.96E-07	1.82E-07	8.30E-08	7.86E-08	0.00E+00	0.00E+00	3.61E-08	6.67E-09	4.32E-08	6.67E-09	6.09E-09	9.88E-08
4175	478863.09	3855877.25	3.95E-04	4.04E-04	3.80E-04	1.37E-07	4.13E-07	2.39E-07	2.39E-07	2.22E-07	1.01E-07	9.51E-08	0.00E+00	0.00E+00	4.40E-08	8.11E-09	5.27E-08	8.13E-09	7.36E-09	1.20E-07
4176	479363.09	3855877.25	4.97E-04	5.11E-04	4.74E-04	1.72E-07	5.20E-07	3.01E-07	3.01E-07	2.80E-07	1.28E-07	1.19E-07	0.00E+00	0.00E+00	5.54E-08	1.02E-08	6.66E-08	1.03E-08	9.18E-09	1.52E-07
4177	479863.09	3855877.25	6.23E-04	6.41E-04	5.89E-04	2.16E-07	6.51E-07	3.77E-07	3.77E-07	3.52E-07	1.60E-07	1.47E-07	0.00E+00	0.00E+00	6.93E-08	1.28E-08	8.35E-08	1.29E-08	1.14E-08	1.90E-07
4178	480363.09	3855877.25	8.24E-04	8.50E-04	7.75E-04	2.85E-07	8.62E-07	4.99E-07	4.99E-07	4.66E-07	2.13E-07	1.94E-07	0.00E+00	0.00E+00	9.18E-08	1.69E-08	1.11E-07	1.71E-08	1.50E-08	2.52E-07
4179	480863.09	3855877.25	1.15E-03	1.18E-03	1.08E-03	3.97E-07	1.20E-06	6.95E-07	6.95E-07	6.49E-07	2.96E-07	2.71E-07	0.00E+00	0.00E+00	1.28E-07	2.36E-08	1.54E-07	2.38E-08	2.10E-08	3.50E-07
4180	481363.09	3855877.25	1.31E-03	1.35E-03	1.23E-03	4.53E-07	1.37E-06	7.92E-07	7.92E-07	7.41E-07	3.38E-07	3.07E-07	0.00E+00	0.00E+00	1.46E-07	2.69E-08	1.76E-07	2.71E-08	2.38E-08	4.00E-07
4181	481863.09	3855877.25	2.72E-03	2.78E-03	2.67E-03	9.43E-07	2.85E-06	1.65E-06	1.65E-06	1.52E-06	6.96E-07	6.67E-07	0.00E+00	0.00E+00	3.03E-07	5.59E-08	3.62E-07	5.59E-08	5.17E-08	8.29E-07
4182	482363.09	3855877.25	5.64E-03	5.71E-03	5.71E-03	1.95E-06	5.90E-06	3.41E-06	3.41E-06	3.13E-06	1.43E-06	1.43E-06	0.00E+00	0.00E+00	6.28E-07	1.16E-07	7.44E-07	1.15E-07	1.11E-07	1.71E-06
4183	482863.09	3855877.25	1.02E-02	1.03E-02	1.05E-02	3.54E-06	1.07E-05	6.19E-06	6.19E-06	5.66E-06	2.58E-06	2.62E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.35E-06	2.08E-07	2.03E-07	3.11E-06
4184	483363.09	3855877.25	3.87E-02	3.88E-02	4.04E-02	1.34E-05	4.04E-05	2.34E-05	2.34E-05	2.13E-05	9.71E-06	1.01E-05	0.00E+00	0.00E+00	4.31E-06	7.95E-07	5.06E-06	7.80E-07	7.83E-07	1.17E-05
4185	483863.09	3855877.25	2.84E-02	2.85E-02	2.93E-02	9.82E-06	2.96E-05	1.72E-05	1.72E-05	1.57E-05	7.14E-06	7.33E-06	0.00E+00	0.00E+00	3.16E-06	5.82E-07	3.72E-06	5.74E-07	5.68E-07	8.60E-06
4186	484363.09	3855877.25	1.68E-02	1.71E-02	1.66E-02	5.81E-06	1.75E-05	1.02E-05	1.02E-05	9.37E-06	4.28E-06	4.15E-06	0.00E+00	0.00E+00	1.87E-06	3.45E-07	2.23E-06	3.43E-07	3.21E-07	5.10E-06
4187	484863.09	3855877.25	1.41E-02	1.48E-02	1.25E-02	4.89E-06	1.48E-05	8.55E-06	8.55E-06	8.12E-06	3.71E-06	3.12E-06	0.00E+00	0.00E+00	1.57E-06	2.90E-07	1.93E-06	2.98E-07	2.42E-07	4.33E-06
4188	485363.09	3855877.25	4.00E-02	4.50E-02	2.41E-02	1.38E-05	4.18E-05	2.42E-05	2.42E-05	2.47E-05	1.13E-05	6.03E-06	0.00E+00	0.00E+00	4.45E-06	8.21E-07	5.87E-06	9.05E-07	4.67E-07	1.25E-05
4189	485863.09	3855877.25	2.63E-02	2.95E-02	1.64E-02	9.11E-06	2.75E-05	1.59E-05	1.59E-05	1.62E-05	7.39E-06	4.10E-06	0.00E+00	0.00E+00	2.93E-06	5.40E-07	3.85E-06	5.93E-07	3.17E-07	8.22E-06
4190	486363.09	3855877.25	1.30E-02	1.43E-02	9.08E-03	4.50E-06	1.36E-05	7.87E-06	7.87E-06	7.84E-06	3.58E-06	2.27E-06	0.00E+00	0.00E+00	1.45E-06	2.67E-07	1.86E-06	2.87E-07	1.76E-07	4.04E-06
4191	486863.09	3855877.25	9.45E-03	1.03E-02	6.98E-03	3.27E-06	9.88E-06	5.72E-06	5.72E-06	5.64E-06	2.57E-06	1.75E-06	0.00E+00	0.00E+00	1.05E-06	1.94E-07	1.34E-06	2.07E-07	1.35E-07	2.93E-06
4192	487363.09	3855877.25	8.26E-03	8.93E-03	6.32E-03	2.86E-06	8.63E-06	5.00E-06	5.00E-06	4.90E-06	2.24E-06	1.58E-06	0.00E+00	0.00E+00	9.19E-07	1.70E-07	1.16E-06	1.79E-07	1.22E-07	2.55E-06
4193	487863.09	3855877.25	7.38E-03	7.93E-03	5.80E-03	2.55E-06	7.71E-06	4.46E-06	4.46E-06	4.35E-06	1.98E-06	1.45E-06	0.00E+00	0.00E+00	8.21E-07	1.51E-07	1.03E-06	1.59E-07	1.12E-07	2.28E-06

4194	488363.09	3855877.25	6.57E-03	7.04E-03	5.29E-03	2.28E-06	6.87E-06	3.98E-06	3.98E-06	3.86E-06	1.76E-06	1.32E-06	0.00E+00	0.00E+00	7.32E-07	1.35E-07	9.17E-07	1.41E-07	1.02E-07	2.03E-06
4195	488863.09	3855877.25	5.98E-03	6.37E-03	4.91E-03	2.07E-06	6.25E-06	3.62E-06	3.62E-06	3.49E-06	1.59E-06	1.23E-06	0.00E+00	0.00E+00	6.66E-07	1.23E-07	8.30E-07	1.28E-07	9.51E-08	1.84E-06
4196	489363.09	3855877.25	5.43E-03	5.76E-03	4.54E-03	1.88E-06	5.67E-06	3.28E-06	3.28E-06	3.16E-06	1.44E-06	1.14E-06	0.00E+00	0.00E+00	6.04E-07	1.11E-07	7.50E-07	1.16E-07	8.79E-08	1.67E-06
4197	489863.09	3855877.25	4.96E-03	5.24E-03	4.21E-03	1.72E-06	5.18E-06	3.00E-06	3.00E-06	2.88E-06	1.31E-06	1.05E-06	0.00E+00	0.00E+00	5.52E-07	1.02E-07	6.83E-07	1.05E-07	8.16E-08	1.52E-06
4198	490363.09	3855877.25	4.63E-03	4.87E-03	4.00E-03	1.60E-06	4.84E-06	2.80E-06	2.80E-06	2.67E-06	1.22E-06	1.00E-06	0.00E+00	0.00E+00	5.15E-07	9.50E-08	6.35E-07	9.79E-08	7.74E-08	1.42E-06
4199	490863.09	3855877.25	4.17E-03	4.38E-03	3.63E-03	1.44E-06	4.36E-06	2.52E-06	2.52E-06	2.40E-06	1.10E-06	9.09E-07	0.00E+00	0.00E+00	4.64E-07	8.56E-08	5.71E-07	8.80E-08	7.04E-08	1.28E-06
4200	491363.09	3855877.25	3.58E-03	3.76E-03	3.14E-03	1.24E-06	3.74E-06	2.17E-06	2.17E-06	2.06E-06	9.40E-07	7.86E-07	0.00E+00	0.00E+00	3.99E-07	7.36E-08	4.90E-07	7.55E-08	6.08E-08	1.10E-06
4201	491863.09	3855877.25	3.72E-03	3.88E-03	3.33E-03	1.29E-06	3.89E-06	2.25E-06	2.25E-06	2.13E-06	9.72E-07	8.33E-07	0.00E+00	0.00E+00	4.14E-07	7.64E-08	5.06E-07	7.81E-08	6.45E-08	1.14E-06
4202	492363.09	3855877.25	3.43E-03	3.57E-03	3.09E-03	1.19E-06	3.58E-06	2.07E-06	2.07E-06	1.96E-06	8.94E-07	7.73E-07	0.00E+00	0.00E+00	3.82E-07	7.04E-08	4.65E-07	7.18E-08	5.99E-08	1.05E-06
4203	492863.09	3855877.25	3.20E-03	3.33E-03	2.91E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.83E-06	8.33E-07	7.28E-07	0.00E+00	0.00E+00	3.57E-07	6.58E-08	4.34E-07	6.69E-08	5.64E-08	9.79E-07
4204	493363.09	3855877.25	2.57E-03	2.67E-03	2.35E-03	8.90E-07	2.69E-06	1.55E-06	1.55E-06	1.46E-06	6.67E-07	5.87E-07	0.00E+00	0.00E+00	2.86E-07	5.28E-08	3.47E-07	5.36E-08	4.55E-08	7.85E-07
4205	493863.09	3855877.25	1.95E-03	2.02E-03	1.81E-03	6.76E-07	2.04E-06	1.18E-06	1.18E-06	1.11E-06	5.05E-07	4.52E-07	0.00E+00	0.00E+00	2.17E-07	4.01E-08	2.63E-07	4.06E-08	3.50E-08	5.96E-07
4206	494363.09	3855877.25	1.54E-03	1.58E-03	1.44E-03	5.32E-07	1.61E-06	9.30E-07	9.30E-07	8.67E-07	3.96E-07	3.61E-07	0.00E+00	0.00E+00	1.71E-07	3.16E-08	2.06E-07	3.18E-08	2.79E-08	4.68E-07
4207	494863.09	3855877.25	1.29E-03	1.32E-03	1.22E-03	4.46E-07	1.35E-06	7.79E-07	7.79E-07	7.24E-07	3.30E-07	3.06E-07	0.00E+00	0.00E+00	1.43E-07	2.64E-08	1.72E-07	2.65E-08	2.37E-08	3.92E-07
4208	495363.09	3855877.25	1.03E-03	1.06E-03	9.94E-04	3.58E-07	1.08E-06	6.26E-07	6.26E-07	5.80E-07	2.65E-07	2.49E-07	0.00E+00	0.00E+00	1.15E-07	2.12E-08	1.38E-07	2.13E-08	1.93E-08	3.15E-07
4209	495863.09	3855877.25	1.01E-03	1.03E-03	9.71E-04	3.49E-07	1.05E-06	6.10E-07	6.10E-07	5.64E-07	2.58E-07	2.43E-07	0.00E+00	0.00E+00	1.12E-07	2.07E-08	1.34E-07	2.07E-08	1.88E-08	3.06E-07
4210	496363.09	3855877.25	9.91E-04	1.01E-03	9.57E-04	3.43E-07	1.04E-06	6.00E-07	6.00E-07	5.55E-07	2.53E-07	2.40E-07	0.00E+00	0.00E+00	1.10E-07	2.04E-08	1.32E-07	2.03E-08	1.86E-08	3.01E-07
4211	496863.09	3855877.25	1.01E-03	1.03E-03	9.75E-04	3.49E-07	1.05E-06	6.10E-07	6.10E-07	5.64E-07	2.57E-07	2.44E-07	0.00E+00	0.00E+00	1.12E-07	2.07E-08	1.34E-07	2.07E-08	1.89E-08	3.06E-07
4212	497363.09	3855877.25	1.03E-03	1.05E-03	9.95E-04	3.56E-07	1.07E-06	6.22E-07	6.22E-07	5.75E-07	2.62E-07	2.49E-07	0.00E+00	0.00E+00	1.14E-07	2.11E-08	1.37E-07	2.11E-08	1.93E-08	3.12E-07
4213	497863.09	3855877.25	1.06E-03	1.08E-03	1.03E-03	3.67E-07	1.11E-06	6.42E-07	6.42E-07	5.93E-07	2.71E-07	2.57E-07	0.00E+00	0.00E+00	1.18E-07	2.18E-08	1.41E-07	2.17E-08	1.99E-08	3.22E-07
4214	498363.09	3855877.25	1.14E-03	1.16E-03	1.10E-03	3.94E-07	1.19E-06	6.89E-07	6.89E-07	6.38E-07	2.91E-07	2.76E-07	0.00E+00	0.00E+00	1.27E-07	2.34E-08	1.52E-07	2.34E-08	2.13E-08	3.47E-07
4215	471363.09	3856377.25	2.48E-04	2.54E-04	2.41E-04	8.60E-08	2.60E-07	1.50E-07	1.50E-07	1.39E-07	6.35E-08	6.04E-08	0.00E+00	0.00E+00	2.76E-08	5.10E-09	3.31E-08	5.10E-09	4.67E-09	7.56E-08
4216	471863.09	3856377.25	2.57E-04	2.63E-04	2.50E-04	8.91E-08	2.69E-07	1.56E-07	1.56E-07	1.44E-07	6.58E-08	6.25E-08	0.00E+00	0.00E+00	2.86E-08	5.28E-09	3.43E-08	5.29E-09	4.84E-09	7.83E-08
4217	472363.09	3856377.25	2.75E-04	2.82E-04	2.67E-04	9.53E-08	2.88E-07	1.67E-07	1.67E-07	1.54E-07	7.05E-08	6.68E-08	0.00E+00	0.00E+00	3.07E-08	5.66E-09	3.67E-08	5.66E-09	5.18E-09	8.39E-08
4218	472863.09	3856377.25	2.99E-04	3.06E-04	2.90E-04	1.03E-07	3.12E-07	1.81E-07	1.81E-07	1.68E-07	7.65E-08	7.25E-08	0.00E+00	0.00E+00	3.33E-08	6.14E-09	3.98E-08	6.14E-09	5.62E-09	9.10E-08
4219	473363.09	3856377.25	3.19E-04	3.26E-04	3.09E-04	1.10E-07	3.33E-07	1.93E-07	1.93E-07	1.79E-07	8.16E-08	7.73E-08	0.00E+00	0.00E+00	3.55E-08	6.55E-09	4.25E-08	6.56E-09	5.99E-09	9.71E-08
4220	473863.09	3856377.25	3.58E-04	3.66E-04	3.47E-04	1.24E-07	3.74E-07	2.16E-07	2.16E-07	2.01E-07	9.15E-08	8.68E-08	0.00E+00	0.00E+00	3.98E-08	7.35E-09	4.77E-08	7.35E-09	6.72E-09	1.09E-07
4221	474363.09	3856377.25	3.50E-04	3.58E-04	3.38E-04	1.21E-07	3.65E-07	2.12E-07	2.12E-07	1.96E-07	8.96E-08	8.45E-08	0.00E+00	0.00E+00	3.89E-08	7.18E-09	4.66E-08	7.19E-09	6.54E-09	1.06E-07
4222	474863.09	3856377.25	3.37E-04	3.45E-04	3.24E-04	1.17E-07	3.52E-07	2.04E-07	2.04E-07	1.89E-07	8.63E-08	8.11E-08	0.00E+00	0.00E+00	3.75E-08	6.91E-09	4.49E-08	6.93E-09	6.28E-09	1.03E-07
4223	475363.09	3856377.25	2.83E-04	2.90E-04	2.73E-04	9.81E-08	2.96E-07	1.72E-07	1.72E-07	1.59E-07	7.27E-08	6.82E-08	0.00E+00	0.00E+00	3.16E-08	5.82E-09	3.78E-08	5.83E-09	5.28E-09	8.63E-08
4224	475863.09	3856377.25	2.27E-04	2.32E-04	2.20E-04	7.85E-08	2.37E-07	1.37E-07	1.37E-07	1.27E-07	5.80E-08	5.51E-08	0.00E+00	0.00E+00	2.53E-08	4.66E-09	3.02E-08	4.66E-09	4.27E-09	6.90E-08
4225	476363.09	3856377.25	2.25E-04	2.30E-04	2.19E-04	7.80E-08	2.35E-07	1.36E-07	1.36E-07	1.26E-07	5.75E-08	5.49E-08	0.00E+00	0.00E+00	2.51E-08	4.63E-09	2.99E-08	4.62E-09	4.25E-09	6.85E-08
4226	476863.09	3856377.25	2.36E-04	2.41E-04	2.30E-04	8.17E-08	2.47E-07	1.43E-07	1.43E-07	1.32E-07	6.02E-08	5.76E-08	0.00E+00	0.00E+00	2.63E-08	4.85E-09	3.14E-08	4.84E-09	4.46E-09	7.18E-08
4227	477363.09	3856377.25	2.53E-04	2.59E-04	2.47E-04	8.77E-08	2.65E-07	1.53E-07	1.53E-07	1.42E-07	6.47E-08	6.18E-08	0.00E+00	0.00E+00	2.82E-08	5.21E-09	3.37E-08	5.20E-09	4.79E-09	7.71E-08
4228	477863.09	3856377.25	2.37E-04	2.41E-04	2.33E-04	8.20E-08	2.48E-07	1.43E-07	1.43E-07	1.32E-07	6.03E-08	5.83E-08	0.00E+00	0.00E+00	2.64E-08	4.87E-09	3.14E-08	4.84E-09	4.51E-09	7.20E-08
4229	478363.09	3856377.25	2.33E-04	2.37E-04	2.30E-04	8.08E-08	2.44E-07	1.41E-07	1.41E-07	1.30E-07	5.94E-08	5.77E-08	0.00E+00	0.00E+00	2.60E-08	4.79E-09	3.09E-08	4.77E-09	4.47E-09	7.09E-08
4230	478863.09	3856377.25	3.46E-04	3.54E-04	3.36E-04	1.20E-07	3.62E-07	2.10E-07	2.10E-07	1.94E-07	8.86E-08	8.40E-08	0.00E+00	0.00E+00	3.86E-08	7.11E-09	4.61E-08	7.11E-09	6.51E-09	1.05E-07
4231	479363.09	3856377.25	4.26E-04	4.37E-04	4.11E-04	1.48E-07	4.46E-07	2.58E-07	2.58E-07	2.39E-07	1.09E-07	1.03E-07	0.00E+00	0.00E+00	4.75E-08	8.76E-09	5.69E-08	8.77E-09	7.96E-09	1.30E-07
4232	479863.09	3856377.25	6.25E-04	6.43E-04	5.93E-04	2.16E-07	6.53E-07	3.78E-07	3.78E-07	3.52E-07	1.61E-07	1.48E-07	0.00E+00	0.00E+00	6.96E-08	1.28E-08	8.38E-08	1.29E-08	1.15E-08	1.91E-07
4233	480363.09	3856377.25	8.88E-04	9.14E-04	8.38E-04	3.07E-07	9.28E-07	5.37E-07	5.37E-07	5.02E-07	2.29E-07	2.10E-07	0.00E+00	0.00E+00	9.88E-08	1.82E-08	1.19E-07	1.84E-08	1.62E-08	2.71E-07
4234	480863.09	3856377.25	1.20E-03	1.24E-03	1.14E-03	4.17E-07	1.26E-06	7.28E-07	7.28E-07	6.79E-07	3.10E-07	2.85E-07	0.00E+00	0.00E+00	1.34E-07	2.47E-08	1.61E-07	2.49E-08	2.21E-08	3.67E-07
4235	481363.09	3856377.25	1.73E-03	1.77E-03	1.66E-03	5.98E-07	1.81E-06	1.05E-06	1.05E-06	9.73E-07	4.44E-07	4.15E-07	0.00E+00	0.00E+00	1.92E-07	3.55E-08	2.31E-07	3.56E-08	3.21E-08	5.27E-07
4236	481863.09	3856377.25	2.99E-03	3.05E-03	2.96E-03	1.04E-06	3.13E-06	1.81E-06	1.81E-06	1.67E-06	7.63E-07	7.40E-07	0.00E+00	0.00E+00	3.33E-07	6.15E-08	3.97E-07	6.13E-08	5.73E-08	9.11E-07
4237	482363.09	3856377.25	5.29E-03	5.36E-03	5.35E-03	1.83E-06	5.53E-06	3.20E-06	3.20E-06	2.94E-06	1.34E-06	1.34E-06	0.00E+00	0.00E+00	5.89E-07	1.09E-07	6.98E-07	1.08E-07	1.04E-07	1.61E-06
4238	482863.09	3856377.25	8.35E-03	8.43E-03	8.51E-03	2.89E-06	8.73E-06	5.05E-06	5.05E-06	4.62E-06	2.11E-06	2.13E-06	0.00E+00	0.00E+00	9.29E-07	1.71E-07	1.10E-06	1.69E-07	1.65E-07	2.53E-06
4239	483363.09	3856377.25	2.66E-02	2.67E-02	2.77E-02	9.21E-06	2.78E-05	1.61E-05	1.61E-05	1.47E-05	6.68E-06	6.93E-06	0.00E+00	0.00E+00	2.96E-06	5.46E-07	3.48E-06	5.37E-07	5.37E-07	8.06E-06
4240	483863.09	3856377.25	5.55E-02	5.56E-02	5.80E-02	1.92E-05	5.80E-05	3.36E-05	3.36E-05	3.05E-05	1.39E-05	1.45E-05	0.00E+00	0.00E+00	6.18E-06	1.14E-06	7.25E-06	1.12E-06	1.12E-06	1.68E-05
4241	484363.09	3856377.25	5.55E-02	5.57E-02	5.78E-02	1.92E-05	5.80E-05	3.36E-05	3.36E-05	3.06E-05	1.39E-05	1.45E-05	0.00E+00	0.00E+00	6.18E-06	1.14E-06	7.26E-06	1.12E-06	1.12E-06	1.68E-05
4242	484863.09	3856377.25	2.77E-02	2.80E-02	2.81E-02	9.59E-06	2.89E-05	1.68E-05	1.68E-05	1.54E-05	7.01E-06	7.02E-06	0.00E+00	0.00E+00	3.08E-06	5.69E-07	3.65E-06	5.63E-07	5.44E-07	8.41E-06
4243	485363.09	3856377.25	1.98E-02	2.04E-02	1.88E-02	6.87E-06	2.07E-05	1.20E-05	1.20E-05	1.12E-05	5.11E-06	4.71E-06	0.00E+00	0.00E+00	2.21E-06	4.08E-07	2.66E-06	4.11E-07	3.65E-07	6.06E-06
4244	485863.09	3856377.25	3.05E-02	3.36E-02	2.14E-02	1.06E-05	3.19E-05	1.85E-05	1.85E-05	1.84E-05	8.40E-06	5.35E-06	0.00E+00	0.00E+00	3.40E-06	6.27E-07	4.37E-06	6.75E-07	4.14E-07	9.49E-06
4245	486363.09	3856377.25	3.04E-02	3.40E-02	1.92E-02	1.05E-05	3.18E-05	1.84E-05	1.84E-05	1.87E-05	8.52E-06	4.80E-06	0.00E+00	0.00E+00	3.38E-06	6.24E-07	4.43E-06	6.84E-07	3.72E-07	9.50E-06
4246	486863.09	3856377.25	1.66E-02	1.82E-02	1.18E-02	5.76E-06	1.74E-05	1.01E-05	1.01E-05	1.00E-05	4.56E-06	2.96E-06	0.00E+00	0.00E+00	1.85E-06	3.41E-07	2.38E-06	3.66E-07	2.29E-07	5.16E-06
4247	487363.09	3856377.25	1.27E-02	1.38E-02	9.61E-03	4.41E-06	1.33E-05	7.70E-06	7.70E-06	7.57E-06	3.45E-06	2.40E-06	0.00E+00	0.00E+00	1.42E-06	2.61E-07	1.80E-06	2.77E-07	1.86E-07	3.94E-06
4248	487863.09	3856377.25	1.06E-02	1.14E-02	8.38E-03	3.68E-06	1.11E-05	6.43E-06	6.43E-06	6.27E-06	2.86E-06	2.10E-06	0.00E+00	0.00E+00	1.18E-06	2.18E-07	1.49E-06	2.30E-07	1.62E-07	3.28E-06
4249	488363.09	3856377.25	9.00E-03	9.61E-03	7.31E-03	3.11E-06	9.40E-06	5.44E-06	5.44E-06	5.27E-06	2.40E-06	1.83E-06	0.00E+00	0.00E+00	1.00E-06	1.85E-07	1.25E-06	1.93E-07	1.42E-07	2.77E-06
4250	488863.09	3856377.25	7.79E-03	8.27E-03	6.50E-03	2.70E-06	8.14E-06	4.71E-06	4.71E-06	4.54E-06	2.07E-06	1.63E-06	0.00E+00	0.00E+00	8.67E-07	1.60E-07	1.08E-06	1.66E-07	1.26E-07	2.40E-06
4251	489363.09	3856377.25	6.88E-03	7.27E-03	5.87E-03	2.38E-06	7.19E-06	4.16E-06	4.16E-06	3.99E-06	1.82E-06	1.47E-06	0.00E+00	0.00E+00	7.66E-07	1.41E-07	9.47E-07	1.46E-07	1.14E-07	2.11E-06
4252	489863.09	3856377.25	6.23E-03	6.55E-03	5.42E-03	2.16E-06	6.51E-06	3.77E-06	3.77E-06	3.59E-06	1.64E-06	1.36E-06	0.00E+00	0.00E+00	6.93E-07	1.28E-07	8.53E-07	1.32E-07	1.05E-07	1.91E-06
4253	490363.09	3856377.25	5.62E-03	5.89E-03	4.96E-03	1.94E-06	5.87E-06	3.40E-06	3.40E-06	3.23E-06	1.47E-06	1.24E-06	0.00E+00	0.00E+00	6.25E-07	1.15E-07	7.67E-07	1.18E-07	9.61E-08	1.72E-06
4254	490863.09	3856377.25	5.16E-03	5.38E-03	4.61E-03	1.78E-06	5.39E-06	3.12E-06	3.12E-06	2.95E-06	1.35E-06	1.15E-06	0.00E+00	0.00E+00	5.74E-07	1.06E-07	7.01E-07	1.08E-07	8.94E-08	1.58E-06
4255	491363.09	3856377.25	4.79E-03	4.98E-03	4.33E-03	1.66E-06	5.00E-06	2.90E-06	2.90E-06	2.73E-06	1.25E-06	1.08E-06	0.00E+00	0.00E+00	5.33E-07	9.83E-08	6.49E-07	1.00E-07	8.39E-08	1.46E-06
4256	491863.09	3856377.25	4.42E-03	4.58E-03	4.03E-03	1.53E-06	4.62E-06	2.67E-06	2.67E-06	2.51E-06	1.15E-06	1.01E-06	0.00E+00	0.00E+00	4.92E-07	9.07E-08	5.97E-07	9.21E-08	7.81E-08	1.35E-06
4257	492363.09	3856377.25	3.98E-03	4.12E-03	3.65E-03	1.38E-06	4.16E-06	2.41E-06	2.41E-06	2.26E-06	1.03E-06	9.13E-07	0.00E+00	0.00E+00	4.43E-07	8.17E-08	5.37E-07	8.28E-08	7.07E-08	1.22E-06
4258	492863.09	3856377.25	3.32E-03	3.44E-03	3.06E-03	1.15E-06	3.47E-06	2.01E-06	2.01E-06	1.89E-06	8.60E-07	7.65E-07	0.00E+00	0.00E+00	3.70E-07	6.82E-08	4.48E-07	6.91E-08	5.92E-08	1.01E-06
4259	493363.09	3856377.25	2.35E-03	2.42E-03	2.19E-03	8.12E-07	2.45E-06	1.42E-06	1.42E-06	1.33E-06	6.06E-07	5.47E-07	0.00E+00	0.00E+00	2.61E-07	4.82E-08	3.15E-07	4.86E-08	4.24E-08	7.16E-07
4260	493863.09	3856377.25	1.96E-03	2.01E-03	1.85E-03	6.78E-07	2.05E-06	1.19E-06	1.19E-06	1.10E-06	5.04E-07	4.63E-07	0.00E+00	0.00E+00	2.18E-07	4.02E-08	2.63E-07	4.05E-08	3.58E-08	5.97E-07
4261	494363.09	3856377.25	1.59E-03	1.62E-03	1.52E-03	5.49E-07	1.66E-06	9.60E-07	9.60E-07	8.91E-07	4.07E-07	3.79E-07	0.00E+00	0.00E+00	1.77E-07	3.26E-08	2.12E-07	3.27E-08	2.94E-08	4.83E-07
4262	494863.09	3856377.25	1.31E-03	1.34E-03	1.27E-03	4.55E-07	1.37E-06	7.95E-07	7.95E-07	7.36E-07	3.36E-07	3.17E-07	0.00E+00	0.00E+00	1.46E-07	2.70E-08	1.75E-07	2.70E-08	2.46E-08	4.00E-07
4263	495363.09	3856377.25	1.13E-03	1.15E-03	1.10E-03	3.92E-07	1.18E-06	6.85E-07	6.85E-07	6.33E-07	2.89E-07	2.75E-07	0.00E+00	0.00E+00	1.26E-07	2.32E-08	1.50E-07	2.32E-08	2.13E-08	3.44E-07
4264	495863.09	3856377.25	1.09E-03	1.11E-03	1.06E-03	3.76E-07	1.14E-06	6.58E-07	6.58E-07	6.07E-07	2.77E-07	2.64E-07	0.00E+00	0.00E+00	1.21E-07	2.23E-08	1.44E-07	2.23E-08	2.05E-08	3.30E-07
4265	496363.09	3856377.25	1.08E-03	1.10E-03	1.06E-03	3.75E-07	1.13E-06	6.56E-07	6.56E-07	6.06E-07	2.76E-07	2.64E-07	0.00E+00	0.00E+00	1.21E-07	2.23E-08	1.44E-07	2.22E-08	2.05E-08	3.30E-07
4266	496863.09	3856377.25	1.13E-03	1.15E-03	1.10E-03	3.91E-07	1.18E-06	6.83E-07	6.83E-07	6.31E-07	2.88E-07	2.75E-07	0.00E+00	0.00E+00	1.26E-07	2.32E-08	1.50E-07	2.31E-08	2.13E-08	3.43E-07
4267	497363.09	3856377.25	1.16E-03	1.19E-03	1.13E-03	4.03E-07	1.22E-06	7.05E-07	7.05E-07	6.51E-07	2.97E-07	2.84E-07	0.00E+00	0.00E+00	1.30E-07	2.39E-08	1.55E-07	2.38E-08	2.20E-08	3.54E-07
4268	497863.09	3856377.25	1.22E-03	1.24E-03	1.18E-03	4.21E-07	1.27E-06	7.36E-07	7.36E-07	6.80E-07	3.10E-07	2.96E-07	0.00E+00	0.00E+00	1.35E-07	2.50E-08	1.62E-07	2.49E-08	2.29E-08	3.70E-07
4269	498363.09	3856377.25	1.29E-03	1.32E-03	1.26E-03	4.47E-07	1.35E-06	7.82E-07	7.82E-07	7.23E-07	3.30E-07	3.14E-07	0.00E+00	0.00E+00	1.44E-07	2.65E-08	1.72E-07	2.65E-08	2.43E-08	3.93E-07
4270	471363.09	3856877.25	2.56E-04	2.61E-04	2.48E-04	8.85E-08	2.67E-07	1.55E-07	1.55E-07	1.43E-07	6.54E-08	6.22E-08	0.00E+00	0.00E+00	2.85E-08	5.25E-09	3.41E-08	5.25E-09	4.81E-09	7.78E-08
4271	471863.09	3856877.25	2.62E-04	2.68E-04	2.54E-04	9.06E-08	2.74E-07	1.58E-07	1.58E-07	1.47E-07	6.69E-08	6.35E-08	0.00E+00	0.00E+00	2.91E-08	5.37E-09	3.49E-08	5.38E-09	4.92E-09	7.97E-08
4272	472363.09	3856877.25	2.79E-04	2.85E-04	2.70E-04	9.65E-08	2.92E-07	1.69E-07	1.69E-07	1.56E-07	7.14E-08	6.77E-08	0.00E+00	0.00E+00	3.10E-08	5.73E-09	3.72E-08	5.73E-09	5.24E-09	8.49E-08
4273	472863.09	3856877.25	2.97E-04	3.03E-04	2.87E-04	1.03E-07	3.10E-07	1.79E-07	1.79E-07	1.66E-07	7.59E-08	7.19E-08	0.00E+00	0.00E+00	3.30E-08	6.09E-09	3.95E-08	6.10E-09	5.57E-09	9.03E-08
4274	473363.09	3856877.25	3.33E-04	3.41E-04	3.23E-04	1.15E-07	3.48E-07	2.02E-07	2.02E-07	1.87E-07	8.53E-08	8.09E-08	0.00E+00	0.00E+00	3.71E-08	6.85E-09	4.44E-08	6.85E-09	6.27E-09	1.01E-07
4275	473863.09	3856877.25	3.54E-04	3.62E-04	3.44E-04	1.23E-07	3.70E-07	2.14E-07	2.14E-07	1.99E-07	9.07E-08	8.60E-08	0.00E+00	0.00E+00	3.94E-08	7.28E-09	4.72E-08	7.28E-09	6.66E-09	1.08E-07
4276	474363.09	3856877.25	3.42E-04	3.50E-04	3.31E-04	1.19E-07	3.58E-07	2.07E-07	2.07E-07	1.92E-07	8.77E-08	8.27E-08	0.00E+00	0.00E+00	3.81E-08	7.03E-09	4.57E-08	7.04E-09	6.41E-09	1.04E-07
4277	474863.09	3856877.25	3.25E-04	3.32E-04	3.12E-04	1.12E-07	3.39E-07	1.96E-07	1.96E-07	1.82E-07	8.32E-08	7.82E-08	0.00E+00	0.00E+00	3.61E-08	6.67E-09	4.33E-08	6.68E-09	6.05E-09	9.88E-08
4278	475363.09	3856877.25	2.87E-04	2.94E-04	2.76E-04	9.94E-08	3.00E-07	1.74E-07	1.74E-07	1.61E-07	7.36E-08	6.91E-08	0.00E+00	0.00E+00	3.20E-08	5.90E-09	3.83E-08	5.91E-09	5.35E-09	8.74E-08
4279	475863.09	3856877.25	2.92E-04	2.99E-04	2.81E-04	1.01E-07	3.05E-07	1.77E-07	1.77E-07	1.64E-07	7.49E-08	7.03E-08	0.00E+00	0.00E+00	3.25E-08	6.00E-09	3.90E-08	6.02E-09	5.45E-09	8.90E-08
4280	476363.09	3856877.25	2.72E-04	2.78E-04	2.62E-04	9.40E-08	2.84E-07	1.64E-07	1.64E-07	1.52E-07	6.95E-08	6.56E-08	0.00E+00	0.00E+00	3.02E-08	5.58E-09	3.62E-08	5.58E-09	5.08E-09	8.27E-08
4281	476863.09	3856877.25	2.71E-04	2.77E-04	2.63E-04	9.39E-08	2.84E-07	1.64E-07	1.64E-07	1.52E-07	6.94E-08	6.58E-08	0.00E+00	0.00E+00	3.02E-08	5.57E-09	3.62E-08	5.58E-09	5.09E-09	8.26E-08
4282	477363.09	3856877.25	2.59E-04	2.65E-04	2.52E-04	8.98E-08	2.71E-07	1.57E-07	1.57E-07	1.45E-07	6.63E-08	6.32E-08	0.00E+00	0.00E+00	2.89E-08	5.33E-09	3.45E-08	5.32E-09	4.89E-09	7.89E-08
4283	477863.09	3856877.25	2.20E-04	2.23E-04	2.17E-04	7.61E-08	2.30E-07	1.33E-07	1.33E-07	1.23E-07	5.59E-08	5.42E-08	0.00E+00	0.00E+00	2.45E-08	4.51E-09	2.91E-08	4.49E-09	4.20E-09	6.68E-08
4284	478363.09	3856877.25	2.15E-04	2.19E-04	2.13E-04	7.45E-08	2.25E-07	1.30E-07	1.30E-07	1.20E-07	5.47E-08	5.33E-08	0.00E+00	0.00E+00	2.40E-08	4.42E-09	2.85E-08	4.39E-09	4.13E-09	6.54E-08
4285	478863.09	3856877.25	2.54E-04	2.58E-04	2.50E-04	8.78E-08	2.65E-07	1.53E-07	1.53E-07	1.41E-07	6.46E-08	6.25E-08	0.00E+00	0.00E+00	2.82E-08	5.21E-09	3.36E-08	5.18E-09	4.84E-09	7.71E-08
4286	479363.09	3856877.25	3.10E-04	3.16E-04	3.03E-04	1.07E-07	3.24E-07	1.87E-07	1.87E-07	1.73E-07	7.90E-08	7.58E-08	0.00E+00	0.00E+00	3.45E-08	6.36E-09	4.11E-08	6.34E-09	5.87E-09	9.42E-08
4287	479863.09	3856877.25	5.90E-04	6.06E-04	5.61E-04	2.04E-07	6.17E-07	3.57E-07	3.57E-07	3.33E-07	1.52E-07	1.40E-07	0.00E+00	0.00E+00	6.57E-08	1.21E-08	7.90E-08	1.22E-08	1.09E-08	1.80E-07
4288	480363.09	3856877.25	8.87E-04	9.14E-04	8.37E-04	3.07E-07	9.27E-07	5.37E-07	5.37E-07	5.01E-07	2.29E-07	2.09E-07	0.00E+00	0.00E+00	9.88E-08	1.82E-08	1.19E-07	1.84E-08	1.62E-08	2.71E-07
4289	480863.09	3856877.25	1.29E-03	1.33E-03	1.23E-03	4.47E-07	1.35E-06	7.82E-07	7.82E-07	7.29E-07	3.32E-07	3.08E-07	0.00E+00	0.00E+00	1.44E-07	2.65E-08	1.73E-07	2.67E-08	2.39E-08	3.94E-07
4290	481363.09	3856877.25	1.87E-03	1.92E-03	1.81E-03	6.48E-07	1.96E-06	1.13E-06	1.13E-06	1.05E-06	4.80E-07	4.53E-07	0.00E+00	0.00E+00	2.08E-07	3.84E-08	2.50E-07	3.85E-08	3.51E-08	5.70E-07
4291	481863.09	3856877.25	2.54E-03	2.59E-03	2.48E-03	8.78E-07	2.65E-06	1.53E-06	1.53E-06	1.42E-06	6.48E-07	6.20E-07	0.00E+00	0.00E+00	2.82E-07	5.21E-08	3.38E-07	5.21E-08	4.80E-08	7.72E-07
4292	482363.09	3856877.25	4.61E-03	4.68E-03	4.65E-03	1.60E-06	4.82E-06	2.79E-06	2.79E-06	2.56E-06	1.17E-06	1.16E-06	0.00E+00	0.00E+00	5.14E-07	9.48E-08	6.09E-07	9.40E-08	9.01E-08	1.40E-06
4293	482863.09	3856877.25	7.00E-03	7.08E-03	7.13E-03	2.42E-06	7.32E-06	4.24E-06	4.24E-06	3.88E-06	1.77E-06	1.78E-06	0.00E+00	0.00E+00	7.80E-07	1.44E-07	9.22E-07	1.42E-07	1.38E-07	2.13E-06
4294	483363.09	3856877.25	1.29E-02	1.30E-02	1.33E-02	4.47E-06	1.35E-05	7.81E-06	7.81E-06	7.13E-06	3.25E-06	3.33E-06	0.00E+00	0.00E+00	1.44E-06	2.65E-07	1.69E-06	2.61E-07	2.58E-07	3.91E-06
4295	483863.09	3856877.25	5.11E-02	5.12E-02	5.35E-02	1.77E-05	5.34E-05	3.09E-05	3.09E-05	2.81E-05	1.28E-05	1.34E-05	0.00E+00	0.00E+00	5.69E-06	1.05E-06	6.67E-06	1.03E-06	1.04E-06	1.55E-05
4296	484363.09	3856877.25	6.63E-02	6.64E-02	6.94E-02	2.29E-05	6.92E-05	4.01E-05	4.01E-05	3.64E-05	1.66E-05	1.74E-05	0.00E+00	0.00E+00	7.38E-06	1.36E-06	8.65E-06	1.33E-06	1.34E-06	2.01E-05
4297	484863.09	3856877.25	7.81E-02	7.83E-02	8.17E-02	2.70E-05	8.16E-05	4.72E-05	4.72E-05	4.29E-05	1.96E-05	2.04E-05	0.00E+00	0.00E+00	8.69E-06	1.60E-06	1.02E-05	1.57E-06	1.58E-06	2.36E-05
4298	485363.09	3856877.25	3.47E-02	3.50E-02	3.56E-02	1.20E-05	3.63E-05	2.10E-05	2.10E-05	1.92E-05	8.77E-06	8.91E-06	0.00E+00	0.00E+00	3.87E-06	7.13E-07	4.57E-06	7.04E-07	6.90E-07	1.05E-05

4299	485863.09	3856877.25	2.30E-02	2.35E-02	2.24E-02	7.95E-06	2.40E-05	1.39E-05	1.39E-05	1.29E-05	5.87E-06	5.62E-06	0.00E+00	0.00E+00	2.56E-06	4.72E-07	3.06E-06	4.72E-07	4.35E-07	6.99E-06
4300	486363.09	3856877.25	2.13E-02	2.31E-02	1.64E-02	7.39E-06	2.23E-05	1.29E-05	1.29E-05	1.27E-05	5.77E-06	4.10E-06	0.00E+00	0.00E+00	2.38E-06	4.38E-07	3.01E-06	4.64E-07	3.17E-07	6.60E-06
4301	486863.09	3856877.25	5.03E-02	5.67E-02	2.99E-02	1.74E-05	5.25E-05	3.04E-05	3.04E-05	3.11E-05	1.42E-05	7.49E-06	0.00E+00	0.00E+00	5.59E-06	1.03E-06	7.40E-06	1.14E-06	5.80E-07	1.57E-05
4302	487363.09	3856877.25	1.91E-02	2.08E-02	1.39E-02	6.60E-06	1.99E-05	1.15E-05	1.15E-05	1.14E-05	5.21E-06	3.48E-06	0.00E+00	0.00E+00	2.12E-06	3.92E-07	2.71E-06	4.18E-07	2.70E-07	5.91E-06
4303	487863.09	3856877.25	1.34E-02	1.43E-02	1.07E-02	4.62E-06	1.40E-05	8.08E-06	8.08E-06	7.85E-06	3.58E-06	2.67E-06	0.00E+00	0.00E+00	1.49E-06	2.74E-07	1.87E-06	2.88E-07	2.07E-07	4.12E-06
4304	488363.09	3856877.25	1.06E-02	1.13E-02	8.97E-03	3.68E-06	1.11E-05	6.44E-06	6.44E-06	6.18E-06	2.82E-06	2.24E-06	0.00E+00	0.00E+00	1.18E-06	2.18E-07	1.47E-06	2.26E-07	1.74E-07	3.27E-06
4305	488863.09	3856877.25	8.99E-03	9.45E-03	7.82E-03	3.11E-06	9.40E-06	5.44E-06	5.44E-06	5.19E-06	2.37E-06	1.96E-06	0.00E+00	0.00E+00	1.00E-06	1.85E-07	1.23E-06	1.90E-07	1.52E-07	2.76E-06
4306	489363.09	3856877.25	8.09E-03	8.45E-03	7.22E-03	2.80E-06	8.45E-06	4.89E-06	4.89E-06	4.63E-06	2.11E-06	1.81E-06	0.00E+00	0.00E+00	9.00E-07	1.66E-07	1.10E-06	1.70E-07	1.40E-07	2.48E-06
4307	489863.09	3856877.25	7.36E-03	7.66E-03	6.68E-03	2.55E-06	7.69E-06	4.45E-06	4.45E-06	4.20E-06	1.92E-06	1.67E-06	0.00E+00	0.00E+00	8.19E-07	1.51E-07	9.98E-07	1.54E-07	1.29E-07	2.25E-06
4308	490363.09	3856877.25	6.69E-03	6.94E-03	6.14E-03	2.32E-06	7.00E-06	4.05E-06	4.05E-06	3.81E-06	1.74E-06	1.54E-06	0.00E+00	0.00E+00	7.45E-07	1.37E-07	9.05E-07	1.39E-07	1.19E-07	2.05E-06
4309	490863.09	3856877.25	6.12E-03	6.33E-03	5.66E-03	2.12E-06	6.39E-06	3.70E-06	3.70E-06	3.47E-06	1.58E-06	1.42E-06	0.00E+00	0.00E+00	6.81E-07	1.26E-07	8.25E-07	1.27E-07	1.10E-07	1.87E-06
4310	491363.09	3856877.25	5.60E-03	5.78E-03	5.22E-03	1.94E-06	5.85E-06	3.39E-06	3.39E-06	3.17E-06	1.45E-06	1.31E-06	0.00E+00	0.00E+00	6.23E-07	1.15E-07	7.53E-07	1.16E-07	1.01E-07	1.71E-06
4311	491863.09	3856877.25	5.11E-03	5.27E-03	4.79E-03	1.77E-06	5.34E-06	3.09E-06	3.09E-06	2.89E-06	1.32E-06	1.20E-06	0.00E+00	0.00E+00	5.69E-07	1.05E-07	6.86E-07	1.06E-07	9.28E-08	1.56E-06
4312	492363.09	3856877.25	4.21E-03	4.34E-03	3.94E-03	1.46E-06	4.40E-06	2.54E-06	2.54E-06	2.38E-06	1.09E-06	9.85E-07	0.00E+00	0.00E+00	4.68E-07	8.64E-08	5.65E-07	8.71E-08	7.63E-08	1.28E-06
4313	492863.09	3856877.25	3.46E-03	3.56E-03	3.26E-03	1.20E-06	3.62E-06	2.09E-06	2.09E-06	1.95E-06	8.91E-07	8.15E-07	0.00E+00	0.00E+00	3.85E-07	7.11E-08	4.64E-07	7.15E-08	6.31E-08	1.05E-06
4314	493363.09	3856877.25	2.69E-03	2.76E-03	2.55E-03	9.31E-07	2.81E-06	1.63E-06	1.63E-06	1.51E-06	6.91E-07	6.39E-07	0.00E+00	0.00E+00	2.99E-07	5.52E-08	3.60E-07	5.55E-08	4.95E-08	8.19E-07
4315	493863.09	3856877.25	2.04E-03	2.09E-03	1.96E-03	7.07E-07	2.14E-06	1.24E-06	1.24E-06	1.15E-06	5.23E-07	4.91E-07	0.00E+00	0.00E+00	2.27E-07	4.20E-08	2.72E-07	4.20E-08	3.81E-08	6.22E-07
4316	494363.09	3856877.25	1.63E-03	1.66E-03	1.58E-03	5.64E-07	1.70E-06	9.85E-07	9.85E-07	9.10E-07	4.15E-07	3.96E-07	0.00E+00	0.00E+00	1.81E-07	3.34E-08	2.16E-07	3.34E-08	3.06E-08	4.95E-07
4317	494863.09	3856877.25	1.43E-03	1.46E-03	1.40E-03	4.95E-07	1.50E-06	8.66E-07	8.66E-07	7.99E-07	3.65E-07	3.49E-07	0.00E+00	0.00E+00	1.59E-07	2.94E-08	1.90E-07	2.93E-08	2.70E-08	4.35E-07
4318	495363.09	3856877.25	1.31E-03	1.33E-03	1.28E-03	4.53E-07	1.37E-06	7.92E-07	7.92E-07	7.30E-07	3.33E-07	3.20E-07	0.00E+00	0.00E+00	1.46E-07	2.69E-08	1.73E-07	2.67E-08	2.48E-08	3.98E-07
4319	495863.09	3856877.25	1.27E-03	1.29E-03	1.24E-03	4.38E-07	1.32E-06	7.66E-07	7.66E-07	7.06E-07	3.22E-07	3.10E-07	0.00E+00	0.00E+00	1.41E-07	2.60E-08	1.68E-07	2.59E-08	2.40E-08	3.85E-07
4320	496363.09	3856877.25	1.24E-03	1.26E-03	1.21E-03	4.28E-07	1.29E-06	7.47E-07	7.47E-07	6.89E-07	3.14E-07	3.03E-07	0.00E+00	0.00E+00	1.38E-07	2.54E-08	1.64E-07	2.52E-08	2.35E-08	3.75E-07
4321	496863.09	3856877.25	1.24E-03	1.26E-03	1.22E-03	4.30E-07	1.30E-06	7.52E-07	7.52E-07	6.93E-07	3.16E-07	3.05E-07	0.00E+00	0.00E+00	1.38E-07	2.55E-08	1.65E-07	2.54E-08	2.36E-08	3.77E-07
4322	497363.09	3856877.25	1.27E-03	1.29E-03	1.24E-03	4.40E-07	1.33E-06	7.69E-07	7.69E-07	7.09E-07	3.24E-07	3.12E-07	0.00E+00	0.00E+00	1.41E-07	2.61E-08	1.68E-07	2.60E-08	2.41E-08	3.86E-07
4323	497863.09	3856877.25	1.36E-03	1.39E-03	1.33E-03	4.71E-07	1.42E-06	8.24E-07	8.24E-07	7.60E-07	3.47E-07	3.33E-07	0.00E+00	0.00E+00	1.52E-07	2.80E-08	1.81E-07	2.79E-08	2.58E-08	4.14E-07
4324	498363.09	3856877.25	1.48E-03	1.50E-03	1.44E-03	5.11E-07	1.54E-06	8.93E-07	8.93E-07	8.25E-07	3.76E-07	3.60E-07	0.00E+00	0.00E+00	1.64E-07	3.03E-08	1.96E-07	3.02E-08	2.79E-08	4.49E-07
4325	471363.09	3857377.25	2.62E-04	2.68E-04	2.55E-04	9.07E-08	2.74E-07	1.59E-07	1.59E-07	1.47E-07	6.70E-08	6.37E-08	0.00E+00	0.00E+00	2.92E-08	5.38E-09	3.49E-08	5.38E-09	4.93E-09	7.98E-08
4326	471863.09	3857377.25	2.67E-04	2.73E-04	2.59E-04	9.25E-08	2.79E-07	1.62E-07	1.62E-07	1.50E-07	6.84E-08	6.49E-08	0.00E+00	0.00E+00	2.98E-08	5.49E-09	3.56E-08	5.49E-09	5.02E-09	8.14E-08
4327	472363.09	3857377.25	2.82E-04	2.88E-04	2.73E-04	9.75E-08	2.94E-07	1.70E-07	1.70E-07	1.58E-07	7.21E-08	6.84E-08	0.00E+00	0.00E+00	3.14E-08	5.79E-09	3.75E-08	5.79E-09	5.29E-09	8.58E-08
4328	472863.09	3857377.25	3.02E-04	3.08E-04	2.92E-04	1.04E-07	3.15E-07	1.82E-07	1.82E-07	1.69E-07	7.71E-08	7.32E-08	0.00E+00	0.00E+00	3.36E-08	6.19E-09	4.02E-08	6.19E-09	5.67E-09	9.18E-08
4329	473363.09	3857377.25	3.29E-04	3.37E-04	3.20E-04	1.14E-07	3.44E-07	1.99E-07	1.99E-07	1.85E-07	8.43E-08	8.00E-08	0.00E+00	0.00E+00	3.67E-08	6.77E-09	4.39E-08	6.77E-09	6.20E-09	1.00E-07
4330	473863.09	3857377.25	3.66E-04	3.74E-04	3.56E-04	1.27E-07	3.82E-07	2.21E-07	2.21E-07	2.05E-07	9.36E-08	8.90E-08	0.00E+00	0.00E+00	4.07E-08	7.51E-09	4.87E-08	7.51E-09	6.89E-09	1.11E-07
4331	474363.09	3857377.25	3.40E-04	3.47E-04	3.28E-04	1.18E-07	3.55E-07	2.05E-07	2.05E-07	1.91E-07	8.70E-08	8.21E-08	0.00E+00	0.00E+00	3.78E-08	6.97E-09	4.53E-08	6.98E-09	6.36E-09	1.03E-07
4332	474863.09	3857377.25	2.69E-04	2.76E-04	2.59E-04	9.32E-08	2.81E-07	1.63E-07	1.63E-07	1.51E-07	6.90E-08	6.49E-08	0.00E+00	0.00E+00	3.00E-08	5.53E-09	3.59E-08	5.54E-09	5.02E-09	8.20E-08
4333	475363.09	3857377.25	2.11E-04	2.16E-04	2.05E-04	7.31E-08	2.21E-07	1.28E-07	1.28E-07	1.18E-07	5.40E-08	5.13E-08	0.00E+00	0.00E+00	2.35E-08	4.34E-09	2.81E-08	4.34E-09	3.97E-09	6.43E-08
4334	475863.09	3857377.25	2.07E-04	2.12E-04	2.02E-04	7.18E-08	2.17E-07	1.25E-07	1.25E-07	1.16E-07	5.29E-08	5.05E-08	0.00E+00	0.00E+00	2.31E-08	4.26E-09	2.76E-08	4.25E-09	3.91E-09	6.31E-08
4335	476363.09	3857377.25	2.52E-04	2.58E-04	2.44E-04	8.73E-08	2.64E-07	1.53E-07	1.53E-07	1.41E-07	6.46E-08	6.11E-08	0.00E+00	0.00E+00	2.81E-08	5.18E-09	3.36E-08	5.18E-09	4.73E-09	7.68E-08
4336	476863.09	3857377.25	2.69E-04	2.75E-04	2.60E-04	9.30E-08	2.81E-07	1.63E-07	1.63E-07	1.51E-07	6.88E-08	6.51E-08	0.00E+00	0.00E+00	2.99E-08	5.52E-09	3.58E-08	5.52E-09	5.04E-09	8.18E-08
4337	477363.09	3857377.25	2.53E-04	2.59E-04	2.46E-04	8.77E-08	2.65E-07	1.53E-07	1.53E-07	1.42E-07	6.47E-08	6.16E-08	0.00E+00	0.00E+00	2.82E-08	5.20E-09	3.37E-08	5.20E-09	4.77E-09	7.71E-08
4338	477863.09	3857377.25	2.23E-04	2.27E-04	2.19E-04	7.71E-08	2.33E-07	1.35E-07	1.35E-07	1.24E-07	5.68E-08	5.48E-08	0.00E+00	0.00E+00	2.48E-08	4.58E-09	2.96E-08	4.56E-09	4.24E-09	6.77E-08
4339	478363.09	3857377.25	2.03E-04	2.06E-04	2.01E-04	7.02E-08	2.12E-07	1.23E-07	1.23E-07	1.13E-07	5.15E-08	5.03E-08	0.00E+00	0.00E+00	2.26E-08	4.16E-09	2.68E-08	4.13E-09	3.89E-09	6.16E-08
4340	478863.09	3857377.25	1.95E-04	1.98E-04	1.95E-04	6.76E-08	2.04E-07	1.18E-07	1.18E-07	1.09E-07	4.95E-08	4.87E-08	0.00E+00	0.00E+00	2.18E-08	4.01E-09	2.58E-08	3.98E-09	3.77E-09	5.93E-08
4341	479363.09	3857377.25	2.60E-04	2.64E-04	2.56E-04	9.00E-08	2.72E-07	1.57E-07	1.57E-07	1.45E-07	6.62E-08	6.42E-08	0.00E+00	0.00E+00	2.89E-08	5.34E-09	3.44E-08	5.31E-09	4.97E-09	7.90E-08
4342	479863.09	3857377.25	5.05E-04	5.18E-04	4.83E-04	1.75E-07	5.28E-07	3.06E-07	3.06E-07	2.84E-07	1.30E-07	1.21E-07	0.00E+00	0.00E+00	5.62E-08	1.04E-08	6.76E-08	1.04E-08	9.35E-09	1.54E-07
4343	480363.09	3857377.25	4.57E-04	4.68E-04	4.41E-04	1.58E-07	4.78E-07	2.77E-07	2.77E-07	2.57E-07	1.17E-07	1.10E-07	0.00E+00	0.00E+00	5.09E-08	9.39E-09	6.10E-08	9.40E-09	8.54E-09	1.39E-07
4344	480863.09	3857377.25	1.29E-03	1.33E-03	1.24E-03	4.48E-07	1.35E-06	7.84E-07	7.84E-07	7.30E-07	3.33E-07	3.09E-07	0.00E+00	0.00E+00	1.44E-07	2.66E-08	1.73E-07	2.67E-08	2.39E-08	3.95E-07
4345	481363.09	3857377.25	1.44E-03	1.48E-03	1.37E-03	5.00E-07	1.51E-06	8.74E-07	8.74E-07	8.14E-07	3.72E-07	3.44E-07	0.00E+00	0.00E+00	1.61E-07	2.97E-08	1.93E-07	2.98E-08	2.66E-08	4.40E-07
4346	481863.09	3857377.25	2.05E-03	2.10E-03	1.99E-03	7.10E-07	2.14E-06	1.24E-06	1.24E-06	1.15E-06	5.26E-07	4.97E-07	0.00E+00	0.00E+00	2.28E-07	4.21E-08	2.74E-07	4.22E-08	3.85E-08	6.25E-07
4347	482363.09	3857377.25	3.73E-03	3.79E-03	3.73E-03	1.29E-06	3.90E-06	2.26E-06	2.26E-06	2.08E-06	9.47E-07	9.34E-07	0.00E+00	0.00E+00	4.15E-07	7.66E-08	4.93E-07	7.61E-08	7.23E-08	1.13E-06
4348	482863.09	3857377.25	5.30E-03	5.36E-03	5.36E-03	1.83E-06	5.54E-06	3.21E-06	3.21E-06	2.94E-06	1.34E-06	1.34E-06	0.00E+00	0.00E+00	5.90E-07	1.09E-07	6.99E-07	1.08E-07	1.04E-07	1.61E-06
4349	483363.09	3857377.25	7.40E-03	7.48E-03	7.53E-03	2.56E-06	7.74E-06	4.48E-06	4.48E-06	4.10E-06	1.87E-06	1.89E-06	0.00E+00	0.00E+00	8.24E-07	1.52E-07	9.75E-07	1.50E-07	1.46E-07	2.25E-06
4350	483863.09	3857377.25	1.09E-02	1.10E-02	1.11E-02	3.77E-06	1.14E-05	6.58E-06	6.58E-06	6.02E-06	2.75E-06	2.79E-06	0.00E+00	0.00E+00	1.21E-06	2.23E-07	1.43E-06	2.21E-07	2.16E-07	3.30E-06
4351	484363.09	3857377.25	1.72E-02	1.73E-02	1.78E-02	5.96E-06	1.80E-05	1.04E-05	1.04E-05	9.50E-06	4.34E-06	4.44E-06	0.00E+00	0.00E+00	1.92E-06	3.53E-07	2.26E-06	3.48E-07	3.44E-07	5.22E-06
4352	484863.09	3857377.25	3.03E-02	3.05E-02	3.15E-02	1.05E-05	3.17E-05	1.84E-05	1.84E-05	1.67E-05	7.63E-06	7.89E-06	0.00E+00	0.00E+00	3.38E-06	6.23E-07	3.97E-06	6.12E-07	6.11E-07	9.19E-06
4353	485363.09	3857377.25	7.28E-02	7.30E-02	7.62E-02	2.52E-05	7.61E-05	4.41E-05	4.41E-05	4.00E-05	1.83E-05	1.91E-05	0.00E+00	0.00E+00	8.10E-06	1.50E-06	9.51E-06	1.47E-06	1.48E-06	2.21E-05
4354	485863.09	3857377.25	4.29E-02	4.32E-02	4.45E-02	1.49E-05	4.49E-05	2.60E-05	2.60E-05	2.37E-05	1.08E-05	1.11E-05	0.00E+00	0.00E+00	4.78E-06	8.82E-07	5.62E-06	8.67E-07	8.63E-07	1.30E-05
4355	486363.09	3857377.25	2.07E-02	2.11E-02	2.07E-02	7.18E-06	2.17E-05	1.25E-05	1.25E-05	1.16E-05	5.27E-06	5.17E-06	0.00E+00	0.00E+00	2.31E-06	4.26E-07	2.75E-06	4.23E-07	4.01E-07	6.30E-06
4356	486863.09	3857377.25	1.41E-02	1.46E-02	1.30E-02	4.88E-06	1.47E-05	8.53E-06	8.53E-06	8.01E-06	3.66E-06	3.26E-06	0.00E+00	0.00E+00	1.57E-06	2.89E-07	1.90E-06	2.94E-07	2.53E-07	4.31E-06
4357	487363.09	3857377.25	1.30E-02	1.36E-02	1.18E-02	4.51E-06	1.36E-05	7.89E-06	7.89E-06	7.44E-06	3.40E-06	2.96E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.77E-06	2.73E-07	2.29E-07	3.99E-06
4358	487863.09	3857377.25	1.19E-02	1.24E-02	1.10E-02	4.13E-06	1.25E-05	7.23E-06	7.23E-06	6.80E-06	3.10E-06	2.74E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.62E-06	2.49E-07	2.12E-07	3.65E-06
4359	488363.09	3857377.25	1.07E-02	1.10E-02	9.89E-03	3.69E-06	1.11E-05	6.45E-06	6.45E-06	6.05E-06	2.76E-06	2.48E-06	0.00E+00	0.00E+00	1.19E-06	2.19E-07	1.44E-06	2.22E-07	1.92E-07	3.26E-06
4360	488863.09	3857377.25	1.04E-02	1.08E-02	9.85E-03	3.62E-06	1.09E-05	6.32E-06	6.32E-06	5.90E-06	2.69E-06	2.46E-06	0.00E+00	0.00E+00	1.16E-06	2.15E-07	1.40E-06	2.16E-07	1.91E-07	3.19E-06
4361	489363.09	3857377.25	1.00E-02	1.03E-02	9.53E-03	3.47E-06	1.05E-05	6.06E-06	6.06E-06	5.63E-06	2.57E-06	2.39E-06	0.00E+00	0.00E+00	1.11E-06	2.06E-07	1.34E-06	2.06E-07	1.85E-07	3.05E-06
4362	489863.09	3857377.25	8.98E-03	9.20E-03	8.58E-03	3.11E-06	9.38E-06	5.43E-06	5.43E-06	5.05E-06	2.30E-06	2.15E-06	0.00E+00	0.00E+00	9.99E-07	1.84E-07	1.20E-06	1.85E-07	1.66E-07	2.73E-06
4363	490363.09	3857377.25	8.01E-03	8.21E-03	7.68E-03	2.77E-06	8.38E-06	4.85E-06	4.85E-06	4.50E-06	2.06E-06	1.92E-06	0.00E+00	0.00E+00	8.92E-07	1.65E-07	1.07E-06	1.65E-07	1.49E-07	2.44E-06
4364	490863.09	3857377.25	7.26E-03	7.43E-03	6.98E-03	2.51E-06	7.59E-06	4.39E-06	4.39E-06	4.08E-06	1.86E-06	1.75E-06	0.00E+00	0.00E+00	8.08E-07	1.49E-07	9.69E-07	1.49E-07	1.35E-07	2.21E-06
4365	491363.09	3857377.25	6.64E-03	6.80E-03	6.40E-03	2.30E-06	6.94E-06	4.02E-06	4.02E-06	3.73E-06	1.70E-06	1.60E-06	0.00E+00	0.00E+00	7.39E-07	1.36E-07	8.86E-07	1.37E-07	1.24E-07	2.02E-06
4366	491863.09	3857377.25	5.87E-03	6.01E-03	5.66E-03	2.03E-06	6.14E-06	3.55E-06	3.55E-06	3.30E-06	1.50E-06	1.42E-06	0.00E+00	0.00E+00	6.54E-07	1.21E-07	7.83E-07	1.21E-07	1.10E-07	1.79E-06
4367	492363.09	3857377.25	4.53E-03	4.64E-03	4.34E-03	1.57E-06	4.74E-06	2.74E-06	2.74E-06	2.55E-06	1.16E-06	1.09E-06	0.00E+00	0.00E+00	5.05E-07	9.31E-08	6.05E-07	9.33E-08	8.42E-08	1.38E-06
4368	492863.09	3857377.25	3.34E-03	3.42E-03	3.22E-03	1.16E-06	3.49E-06	2.02E-06	2.02E-06	1.87E-06	8.55E-07	8.06E-07	0.00E+00	0.00E+00	3.72E-07	6.86E-08	4.45E-07	6.86E-08	6.24E-08	1.02E-06
4369	493363.09	3857377.25	2.49E-03	2.54E-03	2.42E-03	8.61E-07	2.60E-06	1.50E-06	1.50E-06	1.39E-06	6.35E-07	6.05E-07	0.00E+00	0.00E+00	2.77E-07	5.11E-08	3.31E-07	5.10E-08	4.68E-08	7.56E-07
4370	493863.09	3857377.25	2.14E-03	2.18E-03	2.09E-03	7.41E-07	2.24E-06	1.30E-06	1.30E-06	1.20E-06	5.46E-07	5.23E-07	0.00E+00	0.00E+00	2.38E-07	4.40E-08	2.84E-07	4.38E-08	4.05E-08	6.51E-07
4371	494363.09	3857377.25	1.82E-03	1.85E-03	1.79E-03	6.31E-07	1.91E-06	1.10E-06	1.10E-06	1.02E-06	4.64E-07	4.47E-07	0.00E+00	0.00E+00	2.03E-07	3.74E-08	2.42E-07	3.73E-08	3.46E-08	5.54E-07
4372	494863.09	3857377.25	1.66E-03	1.69E-03	1.63E-03	5.74E-07	1.73E-06	1.00E-06	1.00E-06	9.25E-07	4.22E-07	4.08E-07	0.00E+00	0.00E+00	1.85E-07	3.41E-08	2.20E-07	3.39E-08	3.16E-08	5.04E-07
4373	495363.09	3857377.25	1.53E-03	1.55E-03	1.50E-03	5.29E-07	1.60E-06	9.25E-07	9.25E-07	8.52E-07	3.89E-07	3.77E-07	0.00E+00	0.00E+00	1.70E-07	3.14E-08	2.02E-07	3.12E-08	2.92E-08	4.64E-07
4374	495863.09	3857377.25	1.47E-03	1.49E-03	1.45E-03	5.08E-07	1.53E-06	8.88E-07	8.88E-07	8.18E-07	3.73E-07	3.62E-07	0.00E+00	0.00E+00	1.63E-07	3.01E-08	1.94E-07	3.00E-08	2.80E-08	4.46E-07
4375	496363.09	3857377.25	1.42E-03	1.45E-03	1.40E-03	4.93E-07	1.49E-06	8.62E-07	8.62E-07	7.94E-07	3.62E-07	3.51E-07	0.00E+00	0.00E+00	1.59E-07	2.92E-08	1.89E-07	2.91E-08	2.72E-08	4.33E-07
4376	496863.09	3857377.25	1.40E-03	1.42E-03	1.38E-03	4.83E-07	1.46E-06	8.45E-07	8.45E-07	7.79E-07	3.55E-07	3.44E-07	0.00E+00	0.00E+00	1.55E-07	2.87E-08	1.85E-07	2.85E-08	2.67E-08	4.24E-07
4377	497363.09	3857377.25	1.42E-03	1.45E-03	1.40E-03	4.93E-07	1.49E-06	8.62E-07	8.62E-07	7.94E-07	3.62E-07	3.51E-07	0.00E+00	0.00E+00	1.59E-07	2.92E-08	1.89E-07	2.91E-08	2.72E-08	4.33E-07
4378	497863.09	3857377.25	1.48E-03	1.51E-03	1.46E-03	5.14E-07	1.55E-06	8.98E-07	8.98E-07	8.28E-07	3.78E-07	3.65E-07	0.00E+00	0.00E+00	1.65E-07	3.05E-08	1.97E-07	3.03E-08	2.83E-08	4.51E-07
4379	498363.09	3857377.25	1.70E-03	1.73E-03	1.67E-03	5.89E-07	1.78E-06	1.03E-06	1.03E-06	9.50E-07	4.34E-07	4.17E-07	0.00E+00	0.00E+00	1.89E-07	3.49E-08	2.26E-07	3.48E-08	3.23E-08	5.17E-07
4380	471363.09	3857877.25	2.70E-04	2.76E-04	2.62E-04	9.34E-08	2.82E-07	1.63E-07	1.63E-07	1.51E-07	6.90E-08	6.55E-08	0.00E+00	0.00E+00	3.00E-08	5.54E-09	3.59E-08	5.54E-09	5.08E-09	8.21E-08
4381	471863.09	3857877.25	2.77E-04	2.83E-04	2.68E-04	9.58E-08	2.89E-07	1.68E-07	1.68E-07	1.55E-07	7.08E-08	6.72E-08	0.00E+00	0.00E+00	3.08E-08	5.69E-09	3.69E-08	5.69E-09	5.20E-09	8.43E-08
4382	472363.09	3857877.25	2.91E-04	2.97E-04	2.82E-04	1.01E-07	3.04E-07	1.76E-07	1.76E-07	1.63E-07	7.44E-08	7.05E-08	0.00E+00	0.00E+00	3.24E-08	5.97E-09	3.87E-08	5.98E-09	5.46E-09	8.85E-08
4383	472863.09	3857877.25	3.17E-04	3.24E-04	3.08E-04	1.10E-07	3.32E-07	1.92E-07	1.92E-07	1.78E-07	8.12E-08	7.71E-08	0.00E+00	0.00E+00	3.53E-08	6.52E-09	4.23E-08	6.52E-09	5.97E-09	9.66E-08
4384	473363.09	3857877.25	3.35E-04	3.42E-04	3.24E-04	1.16E-07	3.50E-07	2.02E-07	2.02E-07	1.88E-07	8.56E-08	8.12E-08	0.00E+00	0.00E+00	3.72E-08	6.87E-09	4.46E-08	6.87E-09	6.29E-09	1.02E-07
4385	473863.09	3857877.25	3.65E-04	3.73E-04	3.54E-04	1.26E-07	3.81E-07	2.21E-07	2.21E-07	2.04E-07	9.33E-08	8.86E-08	0.00E+00	0.00E+00	4.06E-08	7.49E-09	4.86E-08	7.49E-09	6.86E-09	1.11E-07
4386	474363.09	3857877.25	3.31E-04	3.38E-04	3.19E-04	1.14E-07	3.45E-07	2.00E-07	2.00E-07	1.86E-07	8.47E-08	7.97E-08	0.00E+00	0.00E+00	3.68E-08	6.79E-09	4.41E-08	6.80E-09	6.17E-09	1.01E-07
4387	474863.09	3857877.25	2.52E-04	2.58E-04	2.42E-04	8.72E-08	2.63E-07	1.52E-07	1.52E-07	1.42E-07	6.46E-08	6.06E-08	0.00E+00	0.00E+00	2.80E-08	5.17E-09	3.36E-08	5.19E-09	4.69E-09	7.67E-08
4388	475363.09	3857877.25	1.75E-04	1.78E-04	1.71E-04	6.06E-08	1.83E-07	1.06E-07	1.06E-07	9.79E-08	4.47E-08	4.28E-08	0.00E+00	0.00E+00	1.95E-08	3.60E-09	2.33E-08	3.59E-09	3.31E-09	5.32E-08
4389	475863.09	3857877.25	1.19E-04	1.21E-04	1.19E-04	4.13E-08	1.25E-07	7.21E-08	7.21E-08	6.62E-08	3.02E-08	2.97E-08	0.00E+00	0.00E+00	1.33E-08	2.45E-09	1.57E-08	2.43E-09	2.30E-09	3.62E-08
4390	476363.09	3857877.25	1.98E-04	2.02E-04	1.93E-04	6.85E-08	2.07E-07	1.20E-07	1.20E-07	1.11E-07	5.05E-08	4.83E-08	0.00E+00	0.00E+00	2.20E-08	4.06E-09	2.63E-08	4.05E-09	3.74E-09	6.02E-08
4391	476863.09	3857877.25	2.32E-04	2.37E-04	2.25E-04	8.03E-08	2.42E-07	1.40E-07	1.40E-07	1.30E-07	5.93E-08	5.63E-08	0.00E+00	0.00E+00	2.58E-08	4.76E-09	3.09E-08	4.76E-09	4.36E-09	7.06E-08
4392	477363.09	3857877.25	2.37E-04	2.42E-04	2.30E-04	8.19E-08	2.47E-07	1.43E-07	1.43E-07	1.32E-07	6.04E-08	5.76E-08	0.00E+00	0.00E+00	2.63E-08	4.86E-09	3.15E-08	4.85E-09	4.46E-09	7.20E-08
4393	477863.09	3857877.25	2.39E-04	2.44E-04	2.33E-04	8.28E-08	2.50E-07	1.45E-07	1.45E-07	1.34E-07	6.10E-08	5.84E-08	0.00E+00	0.00E+00	2.66E-08	4.91E-09	3.18E-08	4.90E-09	4.52E-09	7.27E-08
4394	478363.09	3857877.25	1.82E-04	1.84E-04	1.81E-04	6.29E-08	1.90E-07	1.10E-07	1.10E-07	1.01E-07	4.61E-08	4.52E-08	0.00E+00	0.00E+00	2.02E-08	3.73E-09	2.40E-08	3.70E-09	3.50E-09	5.51E-08
4395	478863.09	3857877.25	1.69E-04	1.71E-04	1.69E-04	5.86E-08	1.77E-07	1.02E-07	1.02E-07	9.39E-08	4.28E-08	4.23E-08	0.00E+00	0.00E+00	1.88E-08	3.47E-09	2.23E-08	3.44E-09	3.28E-09	5.13E-08
4396	479363.09	3857877.25	4.57E-04	4.70E-04	4.35E-04	1.58E-07	4.78E-07	2.77E-07	2.77E-07	2.58E-07	1.18E-07	1.09E-07	0.00E+00	0.00E+00	5.09E-08	9.39E-09	6.12E-08	9.44E-09	8.43E-09	1.39E-07
4397	479863.09	3857877.25	8.39E-04	8.63E-04	7.95E-04	2.90E-07	8.77E-07	5.08E-07	5.08E-07	4.74E-07	2.16E-07	1.99E-07	0.00E+00	0.00E+00	9.34E-08	1.72E-08	1.13E-07	1.74E-08	1.54E-08	2.56E-07
4398	480363.09	3857877.25	1.12E-03	1.15E-03	1.07E-03	3.87E-07	1.17E-06	6.77E-07	6.77E-07	6.30E-07	2.87E-07	2.68E-07	0.00E+00	0.00E+00	1.25E-07	2.30E-08	1.50E-07	2.31E-08	2.08E-08	3.41E-07
4399	480863.09	3857877.25	1.29E-03	1.32E-03	1.24E-03	4.46E-07	1.35E-06	7.79E-07	7.79E-07	7.24E-07	3.30E-07	3.10E-07	0.00E+00	0.00E+00	1.43E-07	2.64E-08	1.72E-07	2.65E-08	2.40E-08	3.92E-07
4400	481363.09	3857877.25	1.49E-03	1.53E-03	1.44E-03	5.17E-07	1.56E-06	9.04E-07	9.04E-07	8.40E-07	3.83E-07	3.60E-07	0.00E+00	0.00E+00	1.66E-07	3.07E-08	2.00E-07	3.08E-08	2.79E-08	4.55E-07
4401	481863.09	3857877.25	1.84E-03	1.89E-03	1.79E-03	6.39E-07	1.93E-06	1.12E-06	1.12E-06	1.04E-06	4.73E-07	4.47E-07	0.00E+00	0.00E+00	2.05E-07	3.79E-08	2.46E-07	3.80E-08	3.46E-08	5.62E-07
4402	482363.09	3857877.25	2.79E-03	2.84E-03	2.76E-03	9.67E-07	2.92E-06	1.69E-06	1.69E-06	1.56E-06	7.12E-07	6.91E-07	0.00E+00	0.00E+00	3.11E-07	5.74E-08	3.71E-07	5.71E-08	5.35E-08	8.49E-07
4403	482863.09	3857877.25	4.22E-03	4.28E-03	4.25E-03	1.46E-06	4.41E-06	2.55E-06	2.55E-06	2.35E-06	1.07E-06	1.06E-06	0.00E+00	0.00E+00	4.70E-07	8.67E-08	5.57E-07	8.60E-08	8.24E-08	1.28E-06

4404	483363.09	3857877.25	5.14E-03	5.21E-03	5.19E-03	1.78E-06	5.37E-06	3.11E-06	3.11E-06	2.86E-06	1.30E-06	1.30E-06	0.00E+00	0.00E+00	5.72E-07	1.06E-07	6.79E-07	1.05E-07	1.01E-07	1.56E-06
4405	483863.09	3857877.25	6.26E-03	6.34E-03	6.34E-03	2.17E-06	6.55E-06	3.79E-06	3.79E-06	3.48E-06	1.59E-06	1.59E-06	0.00E+00	0.00E+00	6.97E-07	1.29E-07	8.26E-07	1.27E-07	1.23E-07	1.90E-06
4406	484363.09	3857877.25	7.55E-03	7.63E-03	7.65E-03	2.61E-06	7.89E-06	4.57E-06	4.57E-06	4.19E-06	1.91E-06	1.91E-06	0.00E+00	0.00E+00	8.40E-07	1.55E-07	9.95E-07	1.53E-07	1.48E-07	2.29E-06
4407	484863.09	3857877.25	9.40E-03	9.50E-03	9.56E-03	3.26E-06	9.83E-06	5.69E-06	5.69E-06	5.21E-06	2.38E-06	2.39E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.24E-06	1.91E-07	1.85E-07	2.85E-06
4408	485363.09	3857877.25	1.20E-02	1.22E-02	1.23E-02	4.17E-06	1.26E-05	7.29E-06	7.29E-06	6.67E-06	3.04E-06	3.08E-06	0.00E+00	0.00E+00	1.34E-06	2.47E-07	1.58E-06	2.44E-07	2.38E-07	3.65E-06
4409	485863.09	3857877.25	1.79E-02	1.80E-02	1.84E-02	6.18E-06	1.87E-05	1.08E-05	1.08E-05	9.87E-06	4.50E-06	4.60E-06	0.00E+00	0.00E+00	1.99E-06	3.67E-07	2.34E-06	3.61E-07	3.56E-07	5.42E-06
4410	486363.09	3857877.25	5.83E-02	5.85E-02	6.11E-02	2.02E-05	6.10E-05	3.53E-05	3.53E-05	3.21E-05	1.46E-05	1.53E-05	0.00E+00	0.00E+00	6.49E-06	1.20E-06	7.62E-06	1.17E-06	1.18E-06	1.77E-05
4411	486863.09	3857877.25	2.25E-02	2.27E-02	2.33E-02	7.80E-06	2.35E-05	1.36E-05	1.36E-05	1.24E-05	5.67E-06	5.82E-06	0.00E+00	0.00E+00	2.51E-06	4.63E-07	2.95E-06	4.56E-07	4.51E-07	6.83E-06
4412	487363.09	3857877.25	1.63E-02	1.65E-02	1.66E-02	5.64E-06	1.70E-05	9.87E-06	9.87E-06	9.03E-06	4.12E-06	4.15E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.15E-06	3.31E-07	3.22E-07	4.95E-06
4413	487863.09	3857877.25	1.43E-02	1.45E-02	1.44E-02	4.96E-06	1.50E-05	8.67E-06	8.67E-06	7.95E-06	3.63E-06	3.61E-06	0.00E+00	0.00E+00	1.60E-06	2.94E-07	1.89E-06	2.91E-07	2.80E-07	4.35E-06
4414	488363.09	3857877.25	2.90E-02	2.91E-02	2.90E-02	1.00E-05	3.03E-05	1.75E-05	1.75E-05	1.60E-05	7.29E-06	7.26E-06	0.00E+00	0.00E+00	3.23E-06	5.95E-07	3.80E-06	5.86E-07	5.62E-07	8.77E-06
4415	488863.09	3857877.25	1.82E-02	1.84E-02	1.82E-02	6.30E-06	1.90E-05	1.10E-05	1.10E-05	1.01E-05	4.60E-06	4.55E-06	0.00E+00	0.00E+00	2.03E-06	3.74E-07	2.39E-06	3.69E-07	3.52E-07	5.51E-06
4416	489363.09	3857877.25	1.31E-02	1.33E-02	1.31E-02	4.55E-06	1.37E-05	7.96E-06	7.96E-06	7.30E-06	3.33E-06	3.28E-06	0.00E+00	0.00E+00	1.46E-06	2.70E-07	1.74E-06	2.68E-07	2.54E-07	3.99E-06
4417	489863.09	3857877.25	1.08E-02	1.10E-02	1.07E-02	3.74E-06	1.13E-05	6.54E-06	6.54E-06	6.02E-06	2.74E-06	2.69E-06	0.00E+00	0.00E+00	1.20E-06	2.22E-07	1.43E-06	2.20E-07	2.08E-07	3.28E-06
4418	490363.09	3857877.25	9.47E-03	9.61E-03	9.40E-03	3.28E-06	9.90E-06	5.73E-06	5.73E-06	5.27E-06	2.41E-06	2.35E-06	0.00E+00	0.00E+00	1.05E-06	1.95E-07	1.25E-06	1.93E-07	1.82E-07	2.88E-06
4419	490863.09	3857877.25	8.47E-03	8.60E-03	8.40E-03	2.93E-06	8.85E-06	5.13E-06	5.13E-06	4.72E-06	2.15E-06	2.10E-06	0.00E+00	0.00E+00	9.43E-07	1.74E-07	1.12E-06	1.73E-07	1.63E-07	2.57E-06
4420	491363.09	3857877.25	7.25E-03	7.37E-03	7.17E-03	2.51E-06	7.58E-06	4.39E-06	4.39E-06	4.04E-06	1.85E-06	1.79E-06	0.00E+00	0.00E+00	8.07E-07	1.49E-07	9.61E-07	1.48E-07	1.39E-07	2.20E-06
4421	491863.09	3857877.25	6.00E-03	6.11E-03	5.90E-03	2.08E-06	6.27E-06	3.63E-06	3.63E-06	3.35E-06	1.53E-06	1.48E-06	0.00E+00	0.00E+00	6.68E-07	1.23E-07	7.96E-07	1.23E-07	1.14E-07	1.82E-06
4422	492363.09	3857877.25	4.35E-03	4.43E-03	4.25E-03	1.50E-06	4.54E-06	2.63E-06	2.63E-06	2.43E-06	1.11E-06	1.06E-06	0.00E+00	0.00E+00	4.84E-07	8.93E-08	5.77E-07	8.90E-08	8.24E-08	1.32E-06
4423	492863.09	3857877.25	3.15E-03	3.21E-03	3.10E-03	1.09E-06	3.30E-06	1.91E-06	1.91E-06	1.76E-06	8.03E-07	7.76E-07	0.00E+00	0.00E+00	3.51E-07	6.48E-08	4.18E-07	6.45E-08	6.01E-08	9.58E-07
4424	493363.09	3857877.25	2.67E-03	2.71E-03	2.63E-03	9.24E-07	2.79E-06	1.62E-06	1.62E-06	1.49E-06	6.79E-07	6.59E-07	0.00E+00	0.00E+00	2.97E-07	5.48E-08	3.54E-07	5.45E-08	5.10E-08	8.11E-07
4425	493863.09	3857877.25	2.40E-03	2.44E-03	2.37E-03	8.30E-07	2.51E-06	1.45E-06	1.45E-06	1.34E-06	6.10E-07	5.93E-07	0.00E+00	0.00E+00	2.67E-07	4.92E-08	3.18E-07	4.90E-08	4.59E-08	7.29E-07
4426	494363.09	3857877.25	2.19E-03	2.23E-03	2.17E-03	7.59E-07	2.29E-06	1.33E-06	1.33E-06	1.22E-06	5.57E-07	5.42E-07	0.00E+00	0.00E+00	2.44E-07	4.50E-08	2.90E-07	4.48E-08	4.20E-08	6.66E-07
4427	494863.09	3857877.25	1.91E-03	1.94E-03	1.90E-03	6.63E-07	2.00E-06	1.16E-06	1.16E-06	1.07E-06	4.87E-07	4.74E-07	0.00E+00	0.00E+00	2.13E-07	3.93E-08	2.53E-07	3.91E-08	3.67E-08	5.82E-07
4428	495363.09	3857877.25	1.79E-03	1.82E-03	1.77E-03	6.19E-07	1.87E-06	1.08E-06	1.08E-06	9.96E-07	4.54E-07	4.43E-07	0.00E+00	0.00E+00	1.99E-07	3.67E-08	2.37E-07	3.65E-08	3.43E-08	5.43E-07
4429	495863.09	3857877.25	1.68E-03	1.70E-03	1.66E-03	5.81E-07	1.75E-06	1.01E-06	1.01E-06	9.34E-07	4.26E-07	4.16E-07	0.00E+00	0.00E+00	1.87E-07	3.44E-08	2.22E-07	3.42E-08	3.22E-08	5.09E-07
4430	496363.09	3857877.25	1.64E-03	1.67E-03	1.63E-03	5.69E-07	1.72E-06	9.95E-07	9.95E-07	9.16E-07	4.18E-07	4.07E-07	0.00E+00	0.00E+00	1.83E-07	3.38E-08	2.18E-07	3.36E-08	3.15E-08	5.00E-07
4431	496863.09	3857877.25	1.61E-03	1.64E-03	1.59E-03	5.58E-07	1.69E-06	9.75E-07	9.75E-07	8.98E-07	4.10E-07	3.99E-07	0.00E+00	0.00E+00	1.79E-07	3.31E-08	2.13E-07	3.29E-08	3.09E-08	4.90E-07
4432	497363.09	3857877.25	1.56E-03	1.59E-03	1.55E-03	5.42E-07	1.64E-06	9.47E-07	9.47E-07	8.72E-07	3.98E-07	3.87E-07	0.00E+00	0.00E+00	1.74E-07	3.21E-08	2.07E-07	3.20E-08	3.00E-08	4.75E-07
4433	497863.09	3857877.25	1.70E-03	1.72E-03	1.67E-03	5.87E-07	1.77E-06	1.03E-06	1.03E-06	9.46E-07	4.31E-07	4.18E-07	0.00E+00	0.00E+00	1.89E-07	3.48E-08	2.25E-07	3.46E-08	3.24E-08	5.15E-07
4434	498363.09	3857877.25	1.84E-03	1.87E-03	1.81E-03	6.36E-07	1.92E-06	1.11E-06	1.11E-06	1.03E-06	4.68E-07	4.52E-07	0.00E+00	0.00E+00	2.04E-07	3.77E-08	2.44E-07	3.76E-08	3.50E-08	5.58E-07
4435	471363.09	3858377.25	2.85E-04	2.91E-04	2.77E-04	9.85E-08	2.97E-07	1.72E-07	1.72E-07	1.59E-07	7.27E-08	6.94E-08	0.00E+00	0.00E+00	3.17E-08	5.85E-09	3.79E-08	5.84E-09	5.38E-09	8.66E-08
4436	471863.09	3858377.25	2.92E-04	2.98E-04	2.84E-04	1.01E-07	3.05E-07	1.77E-07	1.77E-07	1.64E-07	7.47E-08	7.11E-08	0.00E+00	0.00E+00	3.25E-08	6.00E-09	3.89E-08	6.00E-09	5.51E-09	8.89E-08
4437	472363.09	3858377.25	3.01E-04	3.07E-04	2.92E-04	1.04E-07	3.14E-07	1.82E-07	1.82E-07	1.69E-07	7.69E-08	7.32E-08	0.00E+00	0.00E+00	3.35E-08	6.18E-09	4.01E-08	6.18E-09	5.67E-09	9.16E-08
4438	472863.09	3858377.25	3.21E-04	3.28E-04	3.13E-04	1.11E-07	3.36E-07	1.95E-07	1.95E-07	1.80E-07	8.22E-08	7.82E-08	0.00E+00	0.00E+00	3.58E-08	6.60E-09	4.28E-08	6.60E-09	6.06E-09	9.79E-08
4439	473363.09	3858377.25	3.69E-04	3.77E-04	3.61E-04	1.28E-07	3.86E-07	2.24E-07	2.24E-07	2.07E-07	9.44E-08	9.03E-08	0.00E+00	0.00E+00	4.11E-08	7.59E-09	4.92E-08	7.58E-09	6.99E-09	1.12E-07
4440	473863.09	3858377.25	3.63E-04	3.71E-04	3.53E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.04E-07	9.29E-08	8.84E-08	0.00E+00	0.00E+00	4.04E-08	7.46E-09	4.84E-08	7.46E-09	6.84E-09	1.11E-07
4441	474363.09	3858377.25	3.12E-04	3.19E-04	3.00E-04	1.08E-07	3.26E-07	1.88E-07	1.88E-07	1.75E-07	7.99E-08	7.50E-08	0.00E+00	0.00E+00	3.47E-08	6.40E-09	4.16E-08	6.41E-09	5.81E-09	9.49E-08
4442	474863.09	3858377.25	2.55E-04	2.61E-04	2.44E-04	8.82E-08	2.66E-07	1.54E-07	1.54E-07	1.43E-07	6.53E-08	6.11E-08	0.00E+00	0.00E+00	2.84E-08	5.23E-09	3.40E-08	5.25E-09	4.73E-09	7.76E-08
4443	475363.09	3858377.25	1.94E-04	1.98E-04	1.88E-04	6.72E-08	2.03E-07	1.18E-07	1.18E-07	1.09E-07	4.97E-08	4.71E-08	0.00E+00	0.00E+00	2.16E-08	3.99E-09	2.59E-08	3.99E-09	3.65E-09	5.91E-08
4444	475863.09	3858377.25	1.65E-04	1.68E-04	1.62E-04	5.72E-08	1.73E-07	1.00E-07	1.00E-07	9.23E-08	4.21E-08	4.06E-08	0.00E+00	0.00E+00	1.84E-08	3.40E-09	2.19E-08	3.38E-09	3.14E-09	5.03E-08
4445	476363.09	3858377.25	1.78E-04	1.81E-04	1.75E-04	6.17E-08	1.86E-07	1.08E-07	1.08E-07	9.95E-08	4.54E-08	4.37E-08	0.00E+00	0.00E+00	1.98E-08	3.66E-09	2.36E-08	3.65E-09	3.38E-09	5.42E-08
4446	476863.09	3858377.25	1.93E-04	1.97E-04	1.89E-04	6.70E-08	2.02E-07	1.17E-07	1.17E-07	1.08E-07	4.93E-08	4.74E-08	0.00E+00	0.00E+00	2.15E-08	3.97E-09	2.57E-08	3.96E-09	3.67E-09	5.88E-08
4447	477363.09	3858377.25	1.94E-04	1.97E-04	1.91E-04	6.71E-08	2.03E-07	1.17E-07	1.17E-07	1.08E-07	4.94E-08	4.77E-08	0.00E+00	0.00E+00	2.16E-08	3.98E-09	2.57E-08	3.97E-09	3.69E-09	5.89E-08
4448	477863.09	3858377.25	2.37E-04	2.42E-04	2.31E-04	8.22E-08	2.48E-07	1.44E-07	1.44E-07	1.33E-07	6.06E-08	5.79E-08	0.00E+00	0.00E+00	2.64E-08	4.87E-09	3.15E-08	4.86E-09	4.48E-09	7.22E-08
4449	478363.09	3858377.25	2.57E-04	2.62E-04	2.50E-04	8.89E-08	2.68E-07	1.55E-07	1.55E-07	1.44E-07	6.56E-08	6.25E-08	0.00E+00	0.00E+00	2.86E-08	5.28E-09	3.42E-08	5.27E-09	4.84E-09	7.81E-08
4450	478863.09	3858377.25	2.13E-04	2.16E-04	2.10E-04	7.38E-08	2.23E-07	1.29E-07	1.29E-07	1.19E-07	5.42E-08	5.26E-08	0.00E+00	0.00E+00	2.37E-08	4.38E-09	2.82E-08	4.35E-09	4.08E-09	6.47E-08
4451	479363.09	3858377.25	4.72E-04	4.85E-04	4.47E-04	1.63E-07	4.93E-07	2.85E-07	2.85E-07	2.66E-07	1.21E-07	1.12E-07	0.00E+00	0.00E+00	5.25E-08	9.69E-09	6.32E-08	9.75E-09	8.66E-09	1.44E-07
4452	479863.09	3858377.25	8.98E-04	9.21E-04	8.59E-04	3.11E-07	9.38E-07	5.43E-07	5.43E-07	5.05E-07	2.31E-07	2.15E-07	0.00E+00	0.00E+00	9.99E-08	1.84E-08	1.20E-07	1.85E-08	1.67E-08	2.74E-07
4453	480363.09	3858377.25	1.19E-03	1.21E-03	1.15E-03	4.11E-07	1.24E-06	7.18E-07	7.18E-07	6.66E-07	3.04E-07	2.88E-07	0.00E+00	0.00E+00	1.32E-07	2.44E-08	1.58E-07	2.44E-08	2.23E-08	3.61E-07
4454	480863.09	3858377.25	1.32E-03	1.35E-03	1.28E-03	4.58E-07	1.38E-06	8.00E-07	8.00E-07	7.42E-07	3.39E-07	3.21E-07	0.00E+00	0.00E+00	1.47E-07	2.72E-08	1.76E-07	2.72E-08	2.49E-08	4.03E-07
4455	481363.09	3858377.25	1.54E-03	1.57E-03	1.50E-03	5.32E-07	1.61E-06	9.30E-07	9.30E-07	8.62E-07	3.93E-07	3.74E-07	0.00E+00	0.00E+00	1.71E-07	3.16E-08	2.05E-07	3.16E-08	2.90E-08	4.68E-07
4456	481863.09	3858377.25	1.71E-03	1.75E-03	1.66E-03	5.91E-07	1.78E-06	1.03E-06	1.03E-06	9.57E-07	4.37E-07	4.15E-07	0.00E+00	0.00E+00	1.90E-07	3.50E-08	2.27E-07	3.51E-08	3.21E-08	5.20E-07
4457	482363.09	3858377.25	2.07E-03	2.11E-03	2.02E-03	7.16E-07	2.16E-06	1.25E-06	1.25E-06	1.16E-06	5.29E-07	5.05E-07	0.00E+00	0.00E+00	2.30E-07	4.25E-08	2.75E-07	4.25E-08	3.91E-08	6.30E-07
4458	482863.09	3858377.25	3.00E-03	3.06E-03	2.99E-03	1.04E-06	3.14E-06	1.82E-06	1.82E-06	1.68E-06	7.65E-07	7.47E-07	0.00E+00	0.00E+00	3.34E-07	6.17E-08	3.98E-07	6.14E-08	5.79E-08	9.14E-07
4459	483363.09	3858377.25	4.01E-03	4.06E-03	4.03E-03	1.39E-06	4.19E-06	2.43E-06	2.43E-06	2.23E-06	1.02E-06	1.01E-06	0.00E+00	0.00E+00	4.46E-07	8.24E-08	5.30E-07	8.17E-08	7.82E-08	1.22E-06
4460	483863.09	3858377.25	4.68E-03	4.74E-03	4.72E-03	1.62E-06	4.89E-06	2.83E-06	2.83E-06	2.60E-06	1.19E-06	1.18E-06	0.00E+00	0.00E+00	5.21E-07	9.61E-08	6.18E-07	9.53E-08	9.15E-08	1.42E-06
4461	484363.09	3858377.25	5.45E-03	5.51E-03	5.51E-03	1.89E-06	5.69E-06	3.30E-06	3.30E-06	3.02E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.06E-07	1.12E-07	7.18E-07	1.11E-07	1.07E-07	1.65E-06
4462	484863.09	3858377.25	6.56E-03	6.63E-03	6.67E-03	2.27E-06	6.86E-06	3.97E-06	3.97E-06	3.64E-06	1.66E-06	1.67E-06	0.00E+00	0.00E+00	7.30E-07	1.35E-07	8.65E-07	1.33E-07	1.29E-07	1.99E-06
4463	485363.09	3858377.25	8.41E-03	8.49E-03	8.60E-03	2.91E-06	8.79E-06	5.09E-06	5.09E-06	4.66E-06	2.12E-06	2.15E-06	0.00E+00	0.00E+00	9.36E-07	1.73E-07	1.11E-06	1.71E-07	1.67E-07	2.55E-06
4464	485863.09	3858377.25	1.28E-02	1.29E-02	1.32E-02	4.43E-06	1.34E-05	7.75E-06	7.75E-06	7.07E-06	3.23E-06	3.31E-06	0.00E+00	0.00E+00	1.43E-06	2.63E-07	1.68E-06	2.59E-07	2.56E-07	3.88E-06
4465	486363.09	3858377.25	5.93E-02	5.94E-02	6.23E-02	2.05E-05	6.19E-05	3.59E-05	3.59E-05	3.26E-05	1.49E-05	1.56E-05	0.00E+00	0.00E+00	6.60E-06	1.22E-06	7.73E-06	1.19E-06	1.21E-06	1.79E-05
4466	486863.09	3858377.25	7.80E-02	7.81E-02	8.20E-02	2.70E-05	8.15E-05	4.72E-05	4.72E-05	4.28E-05	1.95E-05	2.05E-05	0.00E+00	0.00E+00	8.68E-06	1.60E-06	1.02E-05	1.57E-06	1.59E-06	2.36E-05
4467	487363.09	3858377.25	3.67E-02	3.68E-02	3.85E-02	1.27E-05	3.84E-05	2.22E-05	2.22E-05	2.02E-05	9.22E-06	9.62E-06	0.00E+00	0.00E+00	4.09E-06	7.55E-07	4.80E-06	7.40E-07	7.45E-07	1.11E-05
4468	487863.09	3858377.25	2.41E-02	2.42E-02	2.50E-02	8.33E-06	2.52E-05	1.46E-05	1.46E-05	1.33E-05	6.05E-06	6.27E-06	0.00E+00	0.00E+00	2.68E-06	4.94E-07	3.15E-06	4.86E-07	4.85E-07	7.30E-06
4469	488363.09	3858377.25	1.83E-02	1.84E-02	1.89E-02	6.32E-06	1.91E-05	1.11E-05	1.11E-05	1.01E-05	4.60E-06	4.73E-06	0.00E+00	0.00E+00	2.03E-06	3.75E-07	2.39E-06	3.69E-07	3.66E-07	5.54E-06
4470	488863.09	3858377.25	1.57E-02	1.57E-02	1.61E-02	5.42E-06	1.64E-05	9.47E-06	9.47E-06	8.64E-06	3.94E-06	4.03E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.05E-06	3.16E-07	3.12E-07	4.74E-06
4471	489363.09	3858377.25	1.37E-02	1.38E-02	1.40E-02	4.74E-06	1.43E-05	8.28E-06	8.28E-06	7.56E-06	3.45E-06	3.51E-06	0.00E+00	0.00E+00	1.52E-06	2.81E-07	1.80E-06	2.77E-07	2.72E-07	4.15E-06
4472	489863.09	3858377.25	1.22E-02	1.23E-02	1.24E-02	4.22E-06	1.27E-05	7.37E-06	7.37E-06	6.74E-06	3.07E-06	3.11E-06	0.00E+00	0.00E+00	1.36E-06	2.50E-07	1.60E-06	2.47E-07	2.41E-07	3.69E-06
4473	490363.09	3858377.25	1.08E-02	1.09E-02	1.10E-02	3.75E-06	1.13E-05	6.56E-06	6.56E-06	6.00E-06	2.74E-06	2.76E-06	0.00E+00	0.00E+00	1.21E-06	2.23E-07	1.43E-06	2.20E-07	2.14E-07	3.29E-06
4474	490863.09	3858377.25	9.62E-03	9.72E-03	9.77E-03	3.33E-06	1.01E-05	5.82E-06	5.82E-06	5.33E-06	2.43E-06	2.45E-06	0.00E+00	0.00E+00	1.07E-06	1.98E-07	1.27E-06	1.95E-07	1.89E-07	2.92E-06
4475	491363.09	3858377.25	7.96E-03	8.05E-03	8.03E-03	2.75E-06	8.32E-06	4.81E-06	4.81E-06	4.41E-06	2.01E-06	2.01E-06	0.00E+00	0.00E+00	8.86E-07	1.63E-07	1.05E-06	1.62E-07	1.56E-07	2.42E-06
4476	491863.09	3858377.25	5.84E-03	5.91E-03	5.84E-03	2.02E-06	6.10E-06	3.53E-06	3.53E-06	3.24E-06	1.48E-06	1.46E-06	0.00E+00	0.00E+00	6.50E-07	1.20E-07	7.71E-07	1.19E-07	1.13E-07	1.77E-06
4477	492363.09	3858377.25	3.95E-03	4.00E-03	3.95E-03	1.37E-06	4.12E-06	2.39E-06	2.39E-06	2.19E-06	1.00E-06	9.88E-07	0.00E+00	0.00E+00	4.39E-07	8.11E-08	5.21E-07	8.04E-08	7.65E-08	1.20E-06
4478	492863.09	3858377.25	4.00E-03	4.06E-03	3.99E-03	1.38E-06	4.18E-06	2.42E-06	2.42E-06	2.22E-06	1.02E-06	9.98E-07	0.00E+00	0.00E+00	4.45E-07	8.21E-08	5.29E-07	8.15E-08	7.73E-08	1.21E-06
4479	493363.09	3858377.25	3.37E-03	3.42E-03	3.36E-03	1.17E-06	3.52E-06	2.04E-06	2.04E-06	1.87E-06	8.55E-07	8.40E-07	0.00E+00	0.00E+00	3.75E-07	6.92E-08	4.45E-07	6.86E-08	6.51E-08	1.02E-06
4480	493863.09	3858377.25	3.01E-03	3.05E-03	3.00E-03	1.04E-06	3.15E-06	1.82E-06	1.82E-06	1.68E-06	7.64E-07	7.51E-07	0.00E+00	0.00E+00	3.35E-07	6.18E-08	3.98E-07	6.14E-08	5.82E-08	9.15E-07
4481	494363.09	3858377.25	2.65E-03	2.69E-03	2.64E-03	9.17E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.73E-07	6.61E-07	0.00E+00	0.00E+00	2.95E-07	5.44E-08	3.50E-07	5.40E-08	5.12E-08	8.05E-07
4482	494863.09	3858377.25	2.36E-03	2.40E-03	2.36E-03	8.18E-07	2.47E-06	1.43E-06	1.43E-06	1.32E-06	6.00E-07	5.89E-07	0.00E+00	0.00E+00	2.63E-07	4.86E-08	3.13E-07	4.82E-08	4.56E-08	7.18E-07
4483	495363.09	3858377.25	2.08E-03	2.11E-03	2.07E-03	7.19E-07	2.17E-06	1.26E-06	1.26E-06	1.16E-06	5.27E-07	5.18E-07	0.00E+00	0.00E+00	2.31E-07	4.27E-08	2.75E-07	4.23E-08	4.01E-08	6.31E-07
4484	495863.09	3858377.25	1.98E-03	2.00E-03	1.97E-03	6.84E-07	2.07E-06	1.20E-06	1.20E-06	1.10E-06	5.02E-07	4.92E-07	0.00E+00	0.00E+00	2.20E-07	4.06E-08	2.61E-07	4.03E-08	3.81E-08	6.00E-07
4485	496363.09	3858377.25	1.87E-03	1.90E-03	1.86E-03	6.47E-07	1.95E-06	1.13E-06	1.13E-06	1.04E-06	4.75E-07	4.65E-07	0.00E+00	0.00E+00	2.08E-07	3.84E-08	2.47E-07	3.81E-08	3.60E-08	5.68E-07
4486	496863.09	3858377.25	1.88E-03	1.91E-03	1.86E-03	6.50E-07	1.96E-06	1.14E-06	1.14E-06	1.05E-06	4.77E-07	4.66E-07	0.00E+00	0.00E+00	2.09E-07	3.85E-08	2.48E-07	3.83E-08	3.61E-08	5.70E-07
4487	497363.09	3858377.25	1.83E-03	1.86E-03	1.82E-03	6.34E-07	1.92E-06	1.11E-06	1.11E-06	1.02E-06	4.66E-07	4.55E-07	0.00E+00	0.00E+00	2.04E-07	3.76E-08	2.43E-07	3.74E-08	3.52E-08	5.57E-07
4488	497863.09	3858377.25	1.93E-03	1.96E-03	1.91E-03	6.69E-07	2.02E-06	1.17E-06	1.17E-06	1.08E-06	4.91E-07	4.78E-07	0.00E+00	0.00E+00	2.15E-07	3.97E-08	2.56E-07	3.95E-08	3.70E-08	5.87E-07
4489	498363.09	3858377.25	2.10E-03	2.14E-03	2.08E-03	7.28E-07	2.20E-06	1.27E-06	1.27E-06	1.17E-06	5.35E-07	5.21E-07	0.00E+00	0.00E+00	2.34E-07	4.32E-08	2.79E-07	4.30E-08	4.03E-08	6.40E-07
4490	471363.09	3858877.25	2.87E-04	2.93E-04	2.81E-04	9.95E-08	3.00E-07	1.74E-07	1.74E-07	1.61E-07	7.34E-08	7.02E-08	0.00E+00	0.00E+00	3.20E-08	5.90E-09	3.82E-08	5.89E-09	5.44E-09	8.74E-08
4491	471863.09	3858877.25	2.93E-04	2.99E-04	2.86E-04	1.01E-07	3.06E-07	1.77E-07	1.77E-07	1.64E-07	7.49E-08	7.15E-08	0.00E+00	0.00E+00	3.26E-08	6.02E-09	3.90E-08	6.01E-09	5.53E-09	8.92E-08
4492	472363.09	3858877.25	3.17E-04	3.24E-04	3.09E-04	1.10E-07	3.31E-07	1.92E-07	1.92E-07	1.78E-07	8.10E-08	7.74E-08	0.00E+00	0.00E+00	3.53E-08	6.51E-09	4.22E-08	6.50E-09	6.00E-09	9.65E-08
4493	472863.09	3858877.25	3.38E-04	3.45E-04	3.30E-04	1.17E-07	3.54E-07	2.05E-07	2.05E-07	1.89E-07	8.64E-08	8.26E-08	0.00E+00	0.00E+00	3.77E-08	6.95E-09	4.50E-08	6.94E-09	6.40E-09	1.03E-07
4494	473363.09	3858877.25	3.79E-04	3.86E-04	3.70E-04	1.31E-07	3.96E-07	2.29E-07	2.29E-07	2.12E-07	9.67E-08	9.27E-08	0.00E+00	0.00E+00	4.22E-08	7.78E-09	5.03E-08	7.76E-09	7.17E-09	1.15E-07
4495	473863.09	3858877.25	3.78E-04	3.86E-04	3.68E-04	1.31E-07	3.95E-07	2.29E-07	2.29E-07	2.12E-07	9.66E-08	9.20E-08	0.00E+00	0.00E+00	4.21E-08	7.76E-09	5.03E-08	7.76E-09	7.13E-09	1.15E-07
4496	474363.09	3858877.25	3.37E-04	3.45E-04	3.25E-04	1.17E-07	3.52E-07	2.04E-07	2.04E-07	1.89E-07	8.64E-08	8.13E-08	0.00E+00	0.00E+00	3.75E-08	6.93E-09	4.50E-08	6.94E-09	6.30E-09	1.03E-07
4497	474863.09	3858877.25	1.84E-04	1.88E-04	1.78E-04	6.37E-08	1.92E-07	1.11E-07	1.11E-07	1.03E-07	4.71E-08	4.46E-08	0.00E+00	0.00E+00	2.05E-08	3.78E-09	2.45E-08	3.78E-09	3.45E-09	5.60E-08
4498	475363.09	3858877.25	1.56E-04	1.59E-04	1.53E-04	5.42E-08	1.64E-07	9.47E-08	9.47E-08	8.74E-08	3.99E-08	3.83E-08	0.00E+00	0.00E+00	1.74E-08	3.21E-09	2.08E-08	3.20E-09	2.97E-09	4.76E-08
4499	475863.09	3858877.25	1.73E-04	1.77E-04	1.69E-04	6.00E-08	1.81E-07	1.05E-07	1.05E-07	9.69E-08	4.42E-08	4.23E-08	0.00E+00	0.00E+00	1.93E-08	3.56E-09	2.30E-08	3.55E-09	3.28E-09	5.27E-08
4500	476363.09	3858877.25	1.37E-04	1.39E-04	1.35E-04	4.73E-08	1.43E-07	8.27E-08	8.27E-08	7.60E-08	3.47E-08	3.38E-08	0.00E+00	0.00E+00	1.52E-08	2.81E-09	1.81E-08	2.79E-09	2.62E-09	4.15E-08
4501	476863.09	3858877.25	1.59E-04	1.62E-04	1.57E-04	5.52E-08	1.67E-07	9.65E-08	9.65E-08	8.89E-08	4.06E-08	3.93E-08	0.00E+00	0.00E+00	1.77E-08	3.27E-09	2.11E-08	3.26E-09	3.05E-09	4.84E-08
4502	477363.09	3858877.25	1.67E-04	1.70E-04	1.65E-04	5.78E-08	1.75E-07	1.01E-07	1.01E-07	9.32E-08	4.25E-08	4.12E-08	0.00E+00	0.00E+00	1.86E-08	3.43E-09	2.21E-08	3.41E-09	3.19E-09	5.08E-08
4503	477863.09	3858877.25	1.96E-04	2.00E-04	1.92E-04	6.80E-08	2.05E-07	1.19E-07	1.19E-07	1.10E-07	5.00E-08	4.81E-08	0.00E+00	0.00E+00	2.19E-08	4.03E-09	2.61E-08	4.02E-09	3.72E-09	5.97E-08
4504	478363.09	3858877.25	3.35E-04	3.44E-04	3.20E-04	1.16E-07	3.51E-07	2.03E-07	2.03E-07	1.89E-07	8.61E-08	8.02E-08	0.00E+00	0.00E+00	3.73E-08	6.89E-09	4.48E-08	6.91E-09	6.21E-09	1.02E-07
4505	478863.09	3858877.25	3.03E-04	3.10E-04	2.91E-04	1.05E-07	3.16E-07	1.83E-07	1.83E-07	1.70E-07	7.75E-08	7.29E-08	0.00E+00	0.00E+00	3.37E-08	6.22E-09	4.04E-08	6.22E-09	5.65E-09	9.21E-08
4506	479363.09	3858877.25	2.66E-04	2.71E-04	2.58E-04	9.20E-08	2.78E-07	1.61E-07	1.61E-07	1.49E-07	6.79E-08	6.46E-08	0.00E+00	0.00E+00	2.96E-08	5.46E-09	3.53E-08	5.45E-09	5.00E-09	8.08E-08
4507	479863.09	3858877.25	9.71E-04	9.93E-04	9.39E-04	3.36E-07	1.01E-06	5.87E-07	5.87E-07	5.45E-07	2.49E-07	2.35E-07	0.00E+00	0.00E+00	1.08E-07	1.99E-08	1.29E-07	2.00E-08	1.82E-08	2.96E-07
4508	480363.09	3858877.25	1.19E-03	1.21E-03	1.16E-03	4.12E-07	1.24E-06	7.20E-07	7.20E-07	6.66E-07	3.04E-07	2.91E-07	0.00E+00	0.00E+00	1.32E-07	2.44E-08	1.58E-07	2.44E-08	2.25E-08	3.62E-07

4509	480863.09	3858877.25	1.39E-03	1.41E-03	1.36E-03	4.80E-07	1.45E-06	8.38E-07	8.38E-07	7.75E-07	3.54E-07	3.40E-07	0.00E+00	0.00E+00	1.54E-07	2.85E-08	1.84E-07	2.84E-08	2.63E-08	4.22E-07
4510	481363.09	3858877.25	1.55E-03	1.58E-03	1.52E-03	5.37E-07	1.62E-06	9.39E-07	9.39E-07	8.69E-07	3.96E-07	3.82E-07	0.00E+00	0.00E+00	1.73E-07	3.19E-08	2.06E-07	3.18E-08	2.95E-08	4.72E-07
4511	481863.09	3858877.25	1.76E-03	1.80E-03	1.73E-03	6.10E-07	1.84E-06	1.07E-06	1.07E-06	9.86E-07	4.50E-07	4.34E-07	0.00E+00	0.00E+00	1.96E-07	3.62E-08	2.34E-07	3.61E-08	3.36E-08	5.37E-07
4512	482363.09	3858877.25	1.92E-03	1.96E-03	1.89E-03	6.66E-07	2.01E-06	1.16E-06	1.16E-06	1.08E-06	4.91E-07	4.73E-07	0.00E+00	0.00E+00	2.14E-07	3.95E-08	2.56E-07	3.95E-08	3.66E-08	5.86E-07
4513	482863.09	3858877.25	2.25E-03	2.30E-03	2.22E-03	7.80E-07	2.36E-06	1.36E-06	1.36E-06	1.26E-06	5.75E-07	5.56E-07	0.00E+00	0.00E+00	2.51E-07	4.63E-08	2.99E-07	4.62E-08	4.30E-08	6.86E-07
4514	483363.09	3858877.25	3.33E-03	3.37E-03	3.35E-03	1.15E-06	3.48E-06	2.01E-06	2.01E-06	1.85E-06	8.44E-07	8.39E-07	0.00E+00	0.00E+00	3.70E-07	6.84E-08	4.39E-07	6.78E-08	6.50E-08	1.01E-06
4515	483863.09	3858877.25	3.83E-03	3.88E-03	3.88E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.13E-06	9.71E-07	9.70E-07	0.00E+00	0.00E+00	4.27E-07	7.87E-08	5.06E-07	7.80E-08	7.51E-08	1.16E-06
4516	484363.09	3858877.25	4.50E-03	4.55E-03	4.57E-03	1.56E-06	4.71E-06	2.72E-06	2.72E-06	2.50E-06	1.14E-06	1.14E-06	0.00E+00	0.00E+00	5.01E-07	9.25E-08	5.94E-07	9.15E-08	8.85E-08	1.37E-06
4517	484863.09	3858877.25	5.48E-03	5.53E-03	5.58E-03	1.90E-06	5.72E-06	3.31E-06	3.31E-06	3.03E-06	1.38E-06	1.40E-06	0.00E+00	0.00E+00	6.10E-07	1.12E-07	7.21E-07	1.11E-07	1.08E-07	1.66E-06
4518	485363.09	3858877.25	7.19E-03	7.24E-03	7.38E-03	2.49E-06	7.51E-06	4.35E-06	4.35E-06	3.97E-06	1.81E-06	1.85E-06	0.00E+00	0.00E+00	8.00E-07	1.48E-07	9.44E-07	1.46E-07	1.43E-07	2.18E-06
4519	485863.09	3858877.25	1.13E-02	1.13E-02	1.17E-02	3.90E-06	1.18E-05	6.81E-06	6.81E-06	6.21E-06	2.83E-06	2.92E-06	0.00E+00	0.00E+00	1.25E-06	2.31E-07	1.48E-06	2.27E-07	2.26E-07	3.41E-06
4520	486363.09	3858877.25	5.54E-02	5.54E-02	5.82E-02	1.92E-05	5.79E-05	3.35E-05	3.35E-05	3.04E-05	1.39E-05	1.46E-05	0.00E+00	0.00E+00	6.16E-06	1.14E-06	7.22E-06	1.11E-06	1.13E-06	1.68E-05
4521	486863.09	3858877.25	8.03E-02	8.04E-02	8.46E-02	2.78E-05	8.39E-05	4.86E-05	4.86E-05	4.41E-05	2.01E-05	2.12E-05	0.00E+00	0.00E+00	8.94E-06	1.65E-06	1.05E-05	1.61E-06	1.64E-06	2.43E-05
4522	487363.09	3858877.25	8.22E-02	8.22E-02	8.65E-02	2.84E-05	8.59E-05	4.97E-05	4.97E-05	4.51E-05	2.06E-05	2.17E-05	0.00E+00	0.00E+00	9.15E-06	1.69E-06	1.07E-05	1.65E-06	1.68E-06	2.49E-05
4523	487863.09	3858877.25	4.02E-02	4.02E-02	4.22E-02	1.39E-05	4.20E-05	2.43E-05	2.43E-05	2.21E-05	1.01E-05	1.06E-05	0.00E+00	0.00E+00	4.47E-06	8.25E-07	5.24E-06	8.08E-07	8.17E-07	1.22E-05
4524	488363.09	3858877.25	6.80E-02	6.80E-02	7.15E-02	2.35E-05	7.10E-05	4.11E-05	4.11E-05	3.73E-05	1.70E-05	1.79E-05	0.00E+00	0.00E+00	7.57E-06	1.40E-06	8.87E-06	1.37E-06	1.39E-06	2.06E-05
4525	488863.09	3858877.25	3.27E-02	3.28E-02	3.43E-02	1.13E-05	3.42E-05	1.98E-05	1.98E-05	1.80E-05	8.20E-06	8.58E-06	0.00E+00	0.00E+00	3.64E-06	6.72E-07	4.27E-06	6.59E-07	6.64E-07	9.91E-06
4526	489363.09	3858877.25	2.22E-02	2.23E-02	2.32E-02	7.70E-06	2.32E-05	1.35E-05	1.35E-05	1.22E-05	5.58E-06	5.81E-06	0.00E+00	0.00E+00	2.48E-06	4.57E-07	2.91E-06	4.48E-07	4.50E-07	6.74E-06
4527	489863.09	3858877.25	1.71E-02	1.71E-02	1.78E-02	5.91E-06	1.78E-05	1.03E-05	1.03E-05	9.39E-06	4.29E-06	4.44E-06	0.00E+00	0.00E+00	1.90E-06	3.50E-07	2.23E-06	3.44E-07	3.44E-07	5.17E-06
4528	490363.09	3858877.25	1.34E-02	1.35E-02	1.39E-02	4.64E-06	1.40E-05	8.11E-06	8.11E-06	7.39E-06	3.37E-06	3.47E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.76E-06	2.71E-07	2.69E-07	4.06E-06
4529	490863.09	3858877.25	1.00E-02	1.01E-02	1.03E-02	3.47E-06	1.05E-05	6.07E-06	6.07E-06	5.54E-06	2.53E-06	2.58E-06	0.00E+00	0.00E+00	1.12E-06	2.06E-07	1.32E-06	2.03E-07	2.00E-07	3.04E-06
4530	491363.09	3858877.25	7.14E-03	7.21E-03	7.27E-03	2.47E-06	7.47E-06	4.32E-06	4.32E-06	3.95E-06	1.80E-06	1.82E-06	0.00E+00	0.00E+00	7.95E-07	1.47E-07	9.40E-07	1.45E-07	1.41E-07	2.17E-06
4531	491863.09	3858877.25	5.10E-03	5.15E-03	5.17E-03	1.76E-06	5.33E-06	3.08E-06	3.08E-06	2.82E-06	1.29E-06	1.29E-06	0.00E+00	0.00E+00	5.67E-07	1.05E-07	6.71E-07	1.03E-07	1.00E-07	1.55E-06
4532	492363.09	3858877.25	5.27E-03	5.33E-03	5.33E-03	1.82E-06	5.51E-06	3.19E-06	3.19E-06	2.92E-06	1.33E-06	1.34E-06	0.00E+00	0.00E+00	5.87E-07	1.08E-07	6.94E-07	1.07E-07	1.03E-07	1.60E-06
4533	492863.09	3858877.25	5.46E-03	5.52E-03	5.53E-03	1.89E-06	5.71E-06	3.30E-06	3.30E-06	3.03E-06	1.38E-06	1.38E-06	0.00E+00	0.00E+00	6.08E-07	1.12E-07	7.19E-07	1.11E-07	1.07E-07	1.66E-06
4534	493363.09	3858877.25	4.71E-03	4.76E-03	4.75E-03	1.63E-06	4.92E-06	2.85E-06	2.85E-06	2.61E-06	1.19E-06	1.19E-06	0.00E+00	0.00E+00	5.24E-07	9.67E-08	6.21E-07	9.57E-08	9.21E-08	1.43E-06
4535	493863.09	3858877.25	3.76E-03	3.80E-03	3.78E-03	1.30E-06	3.93E-06	2.27E-06	2.27E-06	2.09E-06	9.52E-07	9.46E-07	0.00E+00	0.00E+00	4.18E-07	7.72E-08	4.96E-07	7.64E-08	7.33E-08	1.14E-06
4536	494363.09	3858877.25	3.37E-03	3.41E-03	3.38E-03	1.17E-06	3.52E-06	2.04E-06	2.04E-06	1.87E-06	8.54E-07	8.47E-07	0.00E+00	0.00E+00	3.75E-07	6.92E-08	4.44E-07	6.85E-08	6.56E-08	1.02E-06
4537	494863.09	3858877.25	2.94E-03	2.97E-03	2.95E-03	1.02E-06	3.07E-06	1.78E-06	1.78E-06	1.63E-06	7.44E-07	7.37E-07	0.00E+00	0.00E+00	3.27E-07	6.03E-08	3.88E-07	5.98E-08	5.71E-08	8.92E-07
4538	495363.09	3858877.25	2.58E-03	2.61E-03	2.58E-03	8.92E-07	2.69E-06	1.56E-06	1.56E-06	1.43E-06	6.54E-07	6.46E-07	0.00E+00	0.00E+00	2.87E-07	5.29E-08	3.40E-07	5.25E-08	5.00E-08	7.83E-07
4539	495863.09	3858877.25	2.37E-03	2.40E-03	2.37E-03	8.21E-07	2.48E-06	1.44E-06	1.44E-06	1.32E-06	6.02E-07	5.94E-07	0.00E+00	0.00E+00	2.64E-07	4.87E-08	3.13E-07	4.83E-08	4.60E-08	7.20E-07
4540	496363.09	3858877.25	2.26E-03	2.29E-03	2.26E-03	7.83E-07	2.37E-06	1.37E-06	1.37E-06	1.26E-06	5.74E-07	5.66E-07	0.00E+00	0.00E+00	2.52E-07	4.65E-08	2.99E-07	4.61E-08	4.38E-08	6.87E-07
4541	496863.09	3858877.25	2.17E-03	2.20E-03	2.16E-03	7.51E-07	2.27E-06	1.31E-06	1.31E-06	1.21E-06	5.50E-07	5.41E-07	0.00E+00	0.00E+00	2.41E-07	4.45E-08	2.87E-07	4.42E-08	4.19E-08	6.59E-07
4542	497363.09	3858877.25	2.07E-03	2.11E-03	2.07E-03	7.18E-07	2.17E-06	1.26E-06	1.26E-06	1.15E-06	5.27E-07	5.17E-07	0.00E+00	0.00E+00	2.31E-07	4.26E-08	2.74E-07	4.23E-08	4.01E-08	6.30E-07
4543	497863.09	3858877.25	2.23E-03	2.26E-03	2.22E-03	7.72E-07	2.33E-06	1.35E-06	1.35E-06	1.24E-06	5.66E-07	5.55E-07	0.00E+00	0.00E+00	2.48E-07	4.58E-08	2.95E-07	4.55E-08	4.30E-08	6.77E-07
4544	498363.09	3858877.25	2.39E-03	2.42E-03	2.38E-03	8.26E-07	2.49E-06	1.44E-06	1.44E-06	1.33E-06	6.06E-07	5.95E-07	0.00E+00	0.00E+00	2.66E-07	4.90E-08	3.16E-07	4.87E-08	4.61E-08	7.25E-07
4545	471363.09	3859377.25	2.89E-04	2.95E-04	2.82E-04	1.00E-07	3.02E-07	1.75E-07	1.75E-07	1.62E-07	7.38E-08	7.07E-08	0.00E+00	0.00E+00	3.22E-08	5.94E-09	3.84E-08	5.93E-09	5.47E-09	8.80E-08
4546	471863.09	3859377.25	3.03E-04	3.09E-04	2.96E-04	1.05E-07	3.17E-07	1.83E-07	1.83E-07	1.70E-07	7.74E-08	7.41E-08	0.00E+00	0.00E+00	3.37E-08	6.23E-09	4.03E-08	6.22E-09	5.73E-09	9.22E-08
4547	472363.09	3859377.25	3.29E-04	3.36E-04	3.22E-04	1.14E-07	3.44E-07	1.99E-07	1.99E-07	1.84E-07	8.41E-08	8.05E-08	0.00E+00	0.00E+00	3.67E-08	6.76E-09	4.38E-08	6.75E-09	6.23E-09	1.00E-07
4548	472863.09	3859377.25	3.51E-04	3.59E-04	3.43E-04	1.22E-07	3.67E-07	2.13E-07	2.13E-07	1.97E-07	8.97E-08	8.58E-08	0.00E+00	0.00E+00	3.91E-08	7.21E-09	4.67E-08	7.20E-09	6.65E-09	1.07E-07
4549	473363.09	3859377.25	3.81E-04	3.89E-04	3.72E-04	1.32E-07	3.98E-07	2.30E-07	2.30E-07	2.13E-07	9.73E-08	9.31E-08	0.00E+00	0.00E+00	4.24E-08	7.82E-09	5.06E-08	7.81E-09	7.21E-09	1.16E-07
4550	473863.09	3859377.25	3.95E-04	4.03E-04	3.85E-04	1.37E-07	4.13E-07	2.39E-07	2.39E-07	2.21E-07	1.01E-07	9.63E-08	0.00E+00	0.00E+00	4.39E-08	8.11E-09	5.25E-08	8.10E-09	7.46E-09	1.20E-07
4551	474363.09	3859377.25	3.46E-04	3.54E-04	3.33E-04	1.20E-07	3.61E-07	2.09E-07	2.09E-07	1.94E-07	8.86E-08	8.35E-08	0.00E+00	0.00E+00	3.85E-08	7.10E-09	4.61E-08	7.11E-09	6.46E-09	1.05E-07
4552	474863.09	3859377.25	2.57E-04	2.63E-04	2.46E-04	8.89E-08	2.69E-07	1.55E-07	1.55E-07	1.44E-07	6.59E-08	6.16E-08	0.00E+00	0.00E+00	2.86E-08	5.28E-09	3.43E-08	5.29E-09	4.77E-09	7.83E-08
4553	475363.09	3859377.25	1.85E-04	1.89E-04	1.78E-04	6.39E-08	1.93E-07	1.12E-07	1.12E-07	1.04E-07	4.72E-08	4.47E-08	0.00E+00	0.00E+00	2.05E-08	3.79E-09	2.46E-08	3.79E-09	3.46E-09	5.62E-08
4554	475863.09	3859377.25	1.44E-04	1.47E-04	1.42E-04	4.99E-08	1.51E-07	8.73E-08	8.73E-08	8.05E-08	3.67E-08	3.54E-08	0.00E+00	0.00E+00	1.61E-08	2.96E-09	1.91E-08	2.95E-09	2.74E-09	4.38E-08
4555	476363.09	3859377.25	1.38E-04	1.41E-04	1.36E-04	4.79E-08	1.45E-07	8.38E-08	8.38E-08	7.72E-08	3.52E-08	3.41E-08	0.00E+00	0.00E+00	1.54E-08	2.84E-09	1.83E-08	2.83E-09	2.64E-09	4.21E-08
4556	476863.09	3859377.25	1.26E-04	1.28E-04	1.25E-04	4.37E-08	1.32E-07	7.64E-08	7.64E-08	7.03E-08	3.21E-08	3.13E-08	0.00E+00	0.00E+00	1.41E-08	2.59E-09	1.67E-08	2.58E-09	2.43E-09	3.84E-08
4557	477363.09	3859377.25	1.36E-04	1.38E-04	1.35E-04	4.71E-08	1.42E-07	8.23E-08	8.23E-08	7.57E-08	3.46E-08	3.37E-08	0.00E+00	0.00E+00	1.51E-08	2.79E-09	1.80E-08	2.77E-09	2.61E-09	4.13E-08
4558	477863.09	3859377.25	2.02E-04	2.06E-04	1.96E-04	7.00E-08	2.11E-07	1.22E-07	1.22E-07	1.13E-07	5.17E-08	4.91E-08	0.00E+00	0.00E+00	2.25E-08	4.15E-09	2.69E-08	4.15E-09	3.80E-09	6.15E-08
4559	478363.09	3859377.25	2.92E-04	3.00E-04	2.80E-04	1.01E-07	3.06E-07	1.77E-07	1.77E-07	1.64E-07	7.51E-08	7.00E-08	0.00E+00	0.00E+00	3.26E-08	6.01E-09	3.91E-08	6.03E-09	5.42E-09	8.91E-08
4560	478863.09	3859377.25	4.53E-04	4.65E-04	4.28E-04	1.57E-07	4.73E-07	2.74E-07	2.74E-07	2.55E-07	1.16E-07	1.07E-07	0.00E+00	0.00E+00	5.04E-08	9.30E-09	6.06E-08	9.35E-09	8.30E-09	1.38E-07
4561	479363.09	3859377.25	6.36E-04	6.53E-04	6.05E-04	2.20E-07	6.65E-07	3.85E-07	3.85E-07	3.58E-07	1.64E-07	1.51E-07	0.00E+00	0.00E+00	7.08E-08	1.31E-08	8.51E-08	1.31E-08	1.17E-08	1.94E-07
4562	479863.09	3859377.25	8.40E-04	8.60E-04	8.09E-04	2.91E-07	8.78E-07	5.08E-07	5.08E-07	4.72E-07	2.15E-07	2.02E-07	0.00E+00	0.00E+00	9.35E-08	1.72E-08	1.12E-07	1.73E-08	1.57E-08	2.56E-07
4563	480363.09	3859377.25	1.09E-03	1.11E-03	1.06E-03	3.77E-07	1.14E-06	6.59E-07	6.59E-07	6.10E-07	2.78E-07	2.66E-07	0.00E+00	0.00E+00	1.21E-07	2.24E-08	1.45E-07	2.23E-08	2.06E-08	3.31E-07
4564	480863.09	3859377.25	1.30E-03	1.33E-03	1.29E-03	4.52E-07	1.36E-06	7.89E-07	7.89E-07	7.29E-07	3.33E-07	3.22E-07	0.00E+00	0.00E+00	1.45E-07	2.68E-08	1.73E-07	2.67E-08	2.49E-08	3.97E-07
4565	481363.09	3859377.25	1.50E-03	1.53E-03	1.48E-03	5.19E-07	1.57E-06	9.07E-07	9.07E-07	8.37E-07	3.82E-07	3.71E-07	0.00E+00	0.00E+00	1.67E-07	3.08E-08	1.99E-07	3.07E-08	2.87E-08	4.56E-07
4566	481863.09	3859377.25	1.70E-03	1.73E-03	1.68E-03	5.88E-07	1.77E-06	1.03E-06	1.03E-06	9.47E-07	4.32E-07	4.21E-07	0.00E+00	0.00E+00	1.89E-07	3.49E-08	2.25E-07	3.47E-08	3.26E-08	5.16E-07
4567	482363.09	3859377.25	1.87E-03	1.91E-03	1.86E-03	6.49E-07	1.96E-06	1.13E-06	1.13E-06	1.05E-06	4.77E-07	4.65E-07	0.00E+00	0.00E+00	2.09E-07	3.85E-08	2.48E-07	3.83E-08	3.60E-08	5.70E-07
4568	482863.09	3859377.25	2.19E-03	2.23E-03	2.18E-03	7.59E-07	2.29E-06	1.33E-06	1.33E-06	1.22E-06	5.58E-07	5.47E-07	0.00E+00	0.00E+00	2.44E-07	4.50E-08	2.90E-07	4.48E-08	4.23E-08	6.67E-07
4569	483363.09	3859377.25	2.76E-03	2.79E-03	2.77E-03	9.55E-07	2.88E-06	1.67E-06	1.67E-06	1.53E-06	7.00E-07	6.94E-07	0.00E+00	0.00E+00	3.07E-07	5.66E-08	3.64E-07	5.62E-08	5.37E-08	8.38E-07
4570	483863.09	3859377.25	3.31E-03	3.35E-03	3.35E-03	1.15E-06	3.46E-06	2.00E-06	2.00E-06	1.84E-06	8.37E-07	8.38E-07	0.00E+00	0.00E+00	3.68E-07	6.79E-08	4.36E-07	6.72E-08	6.49E-08	1.00E-06
4571	484363.09	3859377.25	3.87E-03	3.91E-03	3.93E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.14E-06	9.78E-07	9.83E-07	0.00E+00	0.00E+00	4.30E-07	7.94E-08	5.09E-07	7.85E-08	7.61E-08	1.17E-06
4572	484863.09	3859377.25	4.65E-03	4.69E-03	4.74E-03	1.61E-06	4.86E-06	2.81E-06	2.81E-06	2.57E-06	1.17E-06	1.19E-06	0.00E+00	0.00E+00	5.17E-07	9.54E-08	6.11E-07	9.43E-08	9.20E-08	1.41E-06
4573	485363.09	3859377.25	5.92E-03	5.96E-03	6.08E-03	2.05E-06	6.18E-06	3.58E-06	3.58E-06	3.27E-06	1.49E-06	1.52E-06	0.00E+00	0.00E+00	6.59E-07	1.21E-07	7.77E-07	1.20E-07	1.18E-07	1.79E-06
4574	485863.09	3859377.25	8.23E-03	8.27E-03	8.52E-03	2.85E-06	8.60E-06	4.98E-06	4.98E-06	4.54E-06	2.07E-06	2.13E-06	0.00E+00	0.00E+00	9.16E-07	1.69E-07	1.08E-06	1.66E-07	1.65E-07	2.49E-06
4575	486363.09	3859377.25	1.33E-02	1.34E-02	1.39E-02	4.62E-06	1.39E-05	8.07E-06	8.07E-06	7.34E-06	3.35E-06	3.49E-06	0.00E+00	0.00E+00	1.49E-06	2.74E-07	1.74E-06	2.69E-07	2.70E-07	4.04E-06
4576	486863.09	3859377.25	5.32E-02	5.33E-02	5.61E-02	1.84E-05	5.56E-05	3.22E-05	3.22E-05	2.92E-05	1.33E-05	1.40E-05	0.00E+00	0.00E+00	5.93E-06	1.09E-06	6.94E-06	1.07E-06	1.09E-06	1.61E-05
4577	487363.09	3859377.25	6.96E-02	6.96E-02	7.33E-02	2.41E-05	7.27E-05	4.21E-05	4.21E-05	3.82E-05	1.74E-05	1.83E-05	0.00E+00	0.00E+00	7.75E-06	1.43E-06	9.07E-06	1.40E-06	1.42E-06	2.11E-05
4578	487863.09	3859377.25	7.46E-02	7.46E-02	7.85E-02	2.58E-05	7.79E-05	4.51E-05	4.51E-05	4.09E-05	1.87E-05	1.97E-05	0.00E+00	0.00E+00	8.30E-06	1.53E-06	9.72E-06	1.50E-06	1.52E-06	2.26E-05
4579	488363.09	3859377.25	8.73E-02	8.74E-02	9.20E-02	3.02E-05	9.13E-05	5.28E-05	5.28E-05	4.79E-05	2.19E-05	2.30E-05	0.00E+00	0.00E+00	9.72E-06	1.79E-06	1.14E-05	1.76E-06	1.78E-06	2.64E-05
4580	488863.09	3859377.25	5.76E-02	5.76E-02	6.06E-02	1.99E-05	6.02E-05	3.48E-05	3.48E-05	3.16E-05	1.44E-05	1.52E-05	0.00E+00	0.00E+00	6.41E-06	1.18E-06	7.51E-06	1.16E-06	1.17E-06	1.74E-05
4581	489363.09	3859377.25	2.87E-02	2.88E-02	3.01E-02	9.94E-06	3.00E-05	1.74E-05	1.74E-05	1.58E-05	7.20E-06	7.53E-06	0.00E+00	0.00E+00	3.20E-06	5.90E-07	3.75E-06	5.78E-07	5.83E-07	8.69E-06
4582	489863.09	3859377.25	2.00E-02	2.01E-02	2.09E-02	6.93E-06	2.09E-05	1.21E-05	1.21E-05	1.10E-05	5.02E-06	5.24E-06	0.00E+00	0.00E+00	2.23E-06	4.11E-07	2.62E-06	4.03E-07	4.06E-07	6.06E-06
4583	490363.09	3859377.25	1.51E-02	1.52E-02	1.58E-02	5.24E-06	1.58E-05	9.15E-06	9.15E-06	8.32E-06	3.80E-06	3.95E-06	0.00E+00	0.00E+00	1.68E-06	3.11E-07	1.98E-06	3.05E-07	3.06E-07	4.58E-06
4584	490863.09	3859377.25	1.10E-02	1.10E-02	1.14E-02	3.81E-06	1.15E-05	6.65E-06	6.65E-06	6.06E-06	2.76E-06	2.86E-06	0.00E+00	0.00E+00	1.22E-06	2.26E-07	1.44E-06	2.22E-07	2.21E-07	3.33E-06
4585	491363.09	3859377.25	7.05E-03	7.10E-03	7.24E-03	2.44E-06	7.36E-06	4.26E-06	4.26E-06	3.89E-06	1.78E-06	1.81E-06	0.00E+00	0.00E+00	7.84E-07	1.45E-07	9.25E-07	1.43E-07	1.40E-07	2.14E-06
4586	491863.09	3859377.25	7.49E-03	7.55E-03	7.71E-03	2.59E-06	7.83E-06	4.53E-06	4.53E-06	4.14E-06	1.89E-06	1.93E-06	0.00E+00	0.00E+00	8.34E-07	1.54E-07	9.84E-07	1.52E-07	1.49E-07	2.27E-06
4587	492363.09	3859377.25	6.67E-03	6.72E-03	6.84E-03	2.31E-06	6.97E-06	4.03E-06	4.03E-06	3.69E-06	1.68E-06	1.71E-06	0.00E+00	0.00E+00	7.42E-07	1.37E-07	8.76E-07	1.35E-07	1.33E-07	2.02E-06
4588	492863.09	3859377.25	6.10E-03	6.15E-03	6.24E-03	2.11E-06	6.37E-06	3.69E-06	3.69E-06	3.37E-06	1.54E-06	1.56E-06	0.00E+00	0.00E+00	6.79E-07	1.25E-07	8.01E-07	1.24E-07	1.21E-07	1.85E-06
4589	493363.09	3859377.25	5.15E-03	5.20E-03	5.26E-03	1.78E-06	5.39E-06	3.12E-06	3.12E-06	2.85E-06	1.30E-06	1.32E-06	0.00E+00	0.00E+00	5.74E-07	1.06E-07	6.77E-07	1.04E-07	1.02E-07	1.56E-06
4590	493863.09	3859377.25	4.70E-03	4.74E-03	4.78E-03	1.63E-06	4.91E-06	2.84E-06	2.84E-06	2.60E-06	1.19E-06	1.20E-06	0.00E+00	0.00E+00	5.23E-07	9.65E-08	6.18E-07	9.53E-08	9.27E-08	1.43E-06
4591	494363.09	3859377.25	4.14E-03	4.18E-03	4.20E-03	1.43E-06	4.33E-06	2.50E-06	2.50E-06	2.29E-06	1.05E-06	1.05E-06	0.00E+00	0.00E+00	4.61E-07	8.50E-08	5.45E-07	8.40E-08	8.14E-08	1.26E-06
4592	494863.09	3859377.25	3.41E-03	3.45E-03	3.45E-03	1.18E-06	3.57E-06	2.07E-06	2.07E-06	1.89E-06	8.64E-07	8.64E-07	0.00E+00	0.00E+00	3.80E-07	7.01E-08	4.50E-07	6.94E-08	6.69E-08	1.04E-06
4593	495363.09	3859377.25	3.15E-03	3.18E-03	3.17E-03	1.09E-06	3.29E-06	1.90E-06	1.90E-06	1.75E-06	7.96E-07	7.94E-07	0.00E+00	0.00E+00	3.50E-07	6.46E-08	4.15E-07	6.39E-08	6.15E-08	9.55E-07
4594	495863.09	3859377.25	2.83E-03	2.86E-03	2.85E-03	9.78E-07	2.95E-06	1.71E-06	1.71E-06	1.57E-06	7.16E-07	7.12E-07	0.00E+00	0.00E+00	3.15E-07	5.80E-08	3.73E-07	5.75E-08	5.52E-08	8.58E-07
4595	496363.09	3859377.25	2.71E-03	2.75E-03	2.73E-03	9.39E-07	2.84E-06	1.64E-06	1.64E-06	1.51E-06	6.87E-07	6.83E-07	0.00E+00	0.00E+00	3.02E-07	5.57E-08	3.58E-07	5.52E-08	5.29E-08	8.24E-07
4596	496863.09	3859377.25	2.39E-03	2.42E-03	2.39E-03	8.26E-07	2.49E-06	1.44E-06	1.44E-06	1.33E-06	6.05E-07	5.99E-07	0.00E+00	0.00E+00	2.66E-07	4.90E-08	3.15E-07	4.86E-08	4.64E-08	7.25E-07
4597	497363.09	3859377.25	2.41E-03	2.44E-03	2.41E-03	8.33E-07	2.51E-06	1.46E-06	1.46E-06	1.34E-06	6.10E-07	6.04E-07	0.00E+00	0.00E+00	2.68E-07	4.94E-08	3.18E-07	4.90E-08	4.67E-08	7.31E-07
4598	497863.09	3859377.25	2.54E-03	2.58E-03	2.55E-03	8.80E-07	2.66E-06	1.54E-06	1.54E-06	1.41E-06	6.45E-07	6.39E-07	0.00E+00	0.00E+00	2.83E-07	5.22E-08	3.36E-07	5.18E-08	4.95E-08	7.72E-07
4599	498363.09	3859377.25	2.61E-03	2.64E-03	2.62E-03	9.03E-07	2.73E-06	1.58E-06	1.58E-06	1.45E-06	6.61E-07	6.56E-07	0.00E+00	0.00E+00	2.90E-07	5.36E-08	3.44E-07	5.31E-08	5.08E-08	7.92E-07
4600	471363.09	3859877.25	3.02E-04	3.08E-04	2.95E-04	1.05E-07	3.16E-07	1.83E-07	1.83E-07	1.69E-07	7.71E-08	7.39E-08	0.00E+00	0.00E+00	3.36E-08	6.20E-09	4.02E-08	6.19E-09	5.73E-09	9.19E-08
4601	471863.09	3859877.25	3.20E-04	3.26E-04	3.13E-04	1.11E-07	3.34E-07	1.94E-07	1.94E-07	1.79E-07	8.17E-08	7.83E-08	0.00E+00	0.00E+00	3.56E-08	6.57E-09	4.25E-08	6.56E-09	6.06E-09	9.73E-08
4602	472363.09	3859877.25	3.34E-04	3.41E-04	3.27E-04	1.16E-07	3.50E-07	2.02E-07	2.02E-07	1.87E-07	8.54E-08	8.18E-08	0.00E+00	0.00E+00	3.72E-08	6.87E-09	4.45E-08	6.86E-09	6.33E-09	1.02E-07
4603	472863.09	3859877.25	3.63E-04	3.70E-04	3.55E-04	1.26E-07	3.79E-07	2.20E-07	2.20E-07	2.03E-07	9.27E-08	8.89E-08	0.00E+00	0.00E+00	4.04E-08	7.46E-09	4.83E-08	7.44E-09	6.88E-09	1.10E-07
4604	473363.09	3859877.25	3.93E-04	4.01E-04	3.85E-04	1.36E-07	4.11E-07	2.38E-07	2.38E-07	2.20E-07	1.00E-07	9.63E-08	0.00E+00	0.00E+00	4.37E-08	8.07E-09	5.22E-08	8.05E-09	7.46E-09	1.20E-07
4605	473863.09	3859877.25	4.17E-04	4.25E-04	4.08E-04	1.44E-07	4.36E-07	2.52E-07	2.52E-07	2.33E-07	1.06E-07	1.02E-07	0.00E+00	0.00E+00	4.64E-08	8.56E-09	5.54E-08	8.55E-09	7.91E-09	1.27E-07
4606	474363.09	3859877.25	3.80E-04	3.89E-04	3.69E-04	1.32E-07	3.97E-07	2.30E-07	2.30E-07	2.13E-07	9.73E-08	9.23E-08	0.00E+00	0.00E+00	4.23E-08	7.81E-09	5.07E-08	7.81E-09	7.15E-09	1.16E-07
4607	474863.09	3859877.25	3.22E-04	3.30E-04	3.09E-04	1.11E-07	3.37E-07	1.95E-07	1.95E-07	1.81E-07	8.26E-08	7.73E-08	0.00E+00	0.00E+00	3.59E-08	6.61E-09	4.30E-08	6.63E-09	5.99E-09	9.81E-08
4608	475363.09	3859877.25	2.10E-04	2.15E-04	2.01E-04	7.25E-08	2.19E-07	1.27E-07	1.27E-07	1.18E-07	5.37E-08	5.02E-08	0.00E+00	0.00E+00	2.33E-08	4.30E-09	2.80E-08	4.32E-09	3.89E-09	6.38E-08
4609	475863.09	3859877.25	1.37E-04	1.39E-04	1.34E-04	4.73E-08	1.43E-07	8.27E-08	8.27E-08	7.63E-08	3.48E-08	3.35E-08	0.00E+00	0.00E+00	1.52E-08	2.81E-09	1.81E-08	2.80E-09	2.59E-09	4.15E-08
4610	476363.09	3859877.25	1.05E-04	1.07E-04	1.04E-04	3.64E-08	1.10E-07	6.37E-08	6.37E-08	5.85E-08	2.67E-08	2.61E-08	0.00E+00	0.00E+00	1.17E-08	2.16E-09	1.39E-08	2.14E-09	2.02E-09	3.20E-08
4611	476863.09	3859877.25	1.19E-04	1.21E-04	1.18E-04	4.12E-08	1.24E-07	7.19E-08	7.19E-08	6.61E-08	3.02E-08	2.95E-08	0.00E+00	0.00E+00	1.32E-08	2.44E-09	1.57E-08	2.42E-09	2.28E-09	3.61E-08
4612	477363.09	3859877.25	1.28E-04	1.29E-04	1.26E-04	4.42E-08	1.33E-07	7.72E-08	7.72E-08	7.10E-08	3.24E-08	3.16E-08	0.00E+00	0.00E+00	1.42E-08	2.62E-09	1.69E-08	2.60E-09	2.45E-09	3.87E-08
4613	477863.09	3859877.25	1.86E-04	1.89E-04	1.81E-04	6.43E-08	1.94E-07	1.12E-07	1.12E-07	1.04E-07	4.74E-08	4.52E-08	0.00E+00	0.00E+00	2.07E-08	3.81E-09	2.47E-08	3.81E-09	3.50E-09	5.65E-08

4614	478363.09	3859877.25	2.92E-04	3.00E-04	2.79E-04	1.01E-07	3.06E-07	1.77E-07	1.77E-07	1.64E-07	7.50E-08	6.99E-08	0.00E+00	0.00E+00	3.25E-08	6.00E-09	3.91E-08	6.02E-09	5.41E-09	8.91E-08
4615	478863.09	3859877.25	4.60E-04	4.72E-04	4.37E-04	1.59E-07	4.81E-07	2.78E-07	2.78E-07	2.59E-07	1.18E-07	1.09E-07	0.00E+00	0.00E+00	5.12E-08	9.45E-09	6.15E-08	9.49E-09	8.47E-09	1.40E-07
4616	479363.09	3859877.25	6.70E-04	6.87E-04	6.44E-04	2.32E-07	7.01E-07	4.06E-07	4.06E-07	3.77E-07	1.72E-07	1.61E-07	0.00E+00	0.00E+00	7.46E-08	1.38E-08	8.95E-08	1.38E-08	1.25E-08	2.04E-07
4617	479863.09	3859877.25	8.70E-04	8.89E-04	8.48E-04	3.01E-07	9.09E-07	5.26E-07	5.26E-07	4.87E-07	2.22E-07	2.12E-07	0.00E+00	0.00E+00	9.68E-08	1.79E-08	1.16E-07	1.79E-08	1.64E-08	2.65E-07
4618	480363.09	3859877.25	1.09E-03	1.11E-03	1.08E-03	3.79E-07	1.14E-06	6.62E-07	6.62E-07	6.11E-07	2.79E-07	2.70E-07	0.00E+00	0.00E+00	1.22E-07	2.25E-08	1.45E-07	2.24E-08	2.09E-08	3.33E-07
4619	480863.09	3859877.25	1.27E-03	1.30E-03	1.26E-03	4.41E-07	1.33E-06	7.71E-07	7.71E-07	7.11E-07	3.25E-07	3.16E-07	0.00E+00	0.00E+00	1.42E-07	2.62E-08	1.69E-07	2.61E-08	2.45E-08	3.88E-07
4620	481363.09	3859877.25	1.44E-03	1.46E-03	1.43E-03	4.99E-07	1.51E-06	8.72E-07	8.72E-07	8.03E-07	3.66E-07	3.59E-07	0.00E+00	0.00E+00	1.60E-07	2.96E-08	1.91E-07	2.94E-08	2.78E-08	4.38E-07
4621	481863.09	3859877.25	1.61E-03	1.63E-03	1.60E-03	5.56E-07	1.68E-06	9.72E-07	9.72E-07	8.95E-07	4.08E-07	4.01E-07	0.00E+00	0.00E+00	1.79E-07	3.30E-08	2.13E-07	3.28E-08	3.10E-08	4.88E-07
4622	482363.09	3859877.25	1.80E-03	1.83E-03	1.80E-03	6.24E-07	1.88E-06	1.09E-06	1.09E-06	1.00E-06	4.58E-07	4.51E-07	0.00E+00	0.00E+00	2.01E-07	3.70E-08	2.38E-07	3.68E-08	3.49E-08	5.48E-07
4623	482863.09	3859877.25	2.04E-03	2.07E-03	2.04E-03	7.06E-07	2.13E-06	1.23E-06	1.23E-06	1.13E-06	5.18E-07	5.11E-07	0.00E+00	0.00E+00	2.27E-07	4.19E-08	2.70E-07	4.16E-08	3.96E-08	6.20E-07
4624	483363.09	3859877.25	2.32E-03	2.36E-03	2.33E-03	8.04E-07	2.43E-06	1.41E-06	1.41E-06	1.29E-06	5.90E-07	5.84E-07	0.00E+00	0.00E+00	2.59E-07	4.77E-08	3.07E-07	4.73E-08	4.52E-08	7.06E-07
4625	483863.09	3859877.25	2.87E-03	2.90E-03	2.91E-03	9.93E-07	3.00E-06	1.74E-06	1.74E-06	1.59E-06	7.26E-07	7.28E-07	0.00E+00	0.00E+00	3.19E-07	5.89E-08	3.78E-07	5.83E-08	5.63E-08	8.71E-07
4626	484363.09	3859877.25	3.31E-03	3.34E-03	3.36E-03	1.14E-06	3.45E-06	2.00E-06	2.00E-06	1.83E-06	8.36E-07	8.42E-07	0.00E+00	0.00E+00	3.68E-07	6.79E-08	4.35E-07	6.71E-08	6.52E-08	1.00E-06
4627	484863.09	3859877.25	3.89E-03	3.92E-03	3.97E-03	1.35E-06	4.06E-06	2.35E-06	2.35E-06	2.15E-06	9.81E-07	9.94E-07	0.00E+00	0.00E+00	4.33E-07	7.98E-08	5.11E-07	7.88E-08	7.70E-08	1.18E-06
4628	485363.09	3859877.25	4.71E-03	4.74E-03	4.84E-03	1.63E-06	4.92E-06	2.85E-06	2.85E-06	2.60E-06	1.19E-06	1.21E-06	0.00E+00	0.00E+00	5.24E-07	9.67E-08	6.18E-07	9.53E-08	9.38E-08	1.43E-06
4629	485863.09	3859877.25	5.96E-03	6.00E-03	6.17E-03	2.06E-06	6.23E-06	3.61E-06	3.61E-06	3.29E-06	1.50E-06	1.54E-06	0.00E+00	0.00E+00	6.64E-07	1.22E-07	7.81E-07	1.20E-07	1.20E-07	1.81E-06
4630	486363.09	3859877.25	7.69E-03	7.72E-03	8.00E-03	2.66E-06	8.04E-06	4.65E-06	4.65E-06	4.24E-06	1.93E-06	2.00E-06	0.00E+00	0.00E+00	8.56E-07	1.58E-07	1.01E-06	1.55E-07	1.55E-07	2.33E-06
4631	486863.09	3859877.25	1.02E-02	1.02E-02	1.07E-02	3.53E-06	1.07E-05	6.18E-06	6.18E-06	5.62E-06	2.56E-06	2.67E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.33E-06	2.06E-07	2.06E-07	3.09E-06
4632	487363.09	3859877.25	1.50E-02	1.50E-02	1.57E-02	5.18E-06	1.56E-05	9.06E-06	9.06E-06	8.23E-06	3.75E-06	3.92E-06	0.00E+00	0.00E+00	1.67E-06	3.07E-07	1.96E-06	3.02E-07	3.04E-07	4.53E-06
4633	487863.09	3859877.25	6.21E-02	6.22E-02	6.55E-02	2.15E-05	6.49E-05	3.76E-05	3.76E-05	3.41E-05	1.56E-05	1.64E-05	0.00E+00	0.00E+00	6.92E-06	1.28E-06	8.10E-06	1.25E-06	1.27E-06	1.88E-05
4634	488363.09	3859877.25	7.69E-02	7.70E-02	8.11E-02	2.66E-05	8.04E-05	4.65E-05	4.65E-05	4.22E-05	1.93E-05	2.03E-05	0.00E+00	0.00E+00	8.56E-06	1.58E-06	1.00E-05	1.55E-06	1.57E-06	2.33E-05
4635	488863.09	3859877.25	3.37E-02	3.37E-02	3.54E-02	1.17E-05	3.52E-05	2.04E-05	2.04E-05	1.85E-05	8.43E-06	8.85E-06	0.00E+00	0.00E+00	3.75E-06	6.91E-07	4.39E-06	6.77E-07	6.85E-07	1.02E-05
4636	489363.09	3859877.25	2.44E-02	2.44E-02	2.56E-02	8.44E-06	2.55E-05	1.47E-05	1.47E-05	1.34E-05	6.11E-06	6.40E-06	0.00E+00	0.00E+00	2.71E-06	5.01E-07	3.18E-06	4.91E-07	4.96E-07	7.38E-06
4637	489863.09	3859877.25	1.91E-02	1.91E-02	2.00E-02	6.60E-06	1.99E-05	1.15E-05	1.15E-05	1.05E-05	4.78E-06	5.00E-06	0.00E+00	0.00E+00	2.12E-06	3.92E-07	2.49E-06	3.84E-07	3.87E-07	5.77E-06
4638	490363.09	3859877.25	1.55E-02	1.55E-02	1.62E-02	5.36E-06	1.62E-05	9.36E-06	9.36E-06	8.51E-06	3.88E-06	4.05E-06	0.00E+00	0.00E+00	1.72E-06	3.18E-07	2.02E-06	3.12E-07	3.14E-07	4.69E-06
4639	490863.09	3859877.25	1.24E-02	1.24E-02	1.29E-02	4.29E-06	1.30E-05	7.50E-06	7.50E-06	6.82E-06	3.11E-06	3.24E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.62E-06	2.50E-07	2.51E-07	3.75E-06
4640	491363.09	3859877.25	1.04E-02	1.04E-02	1.09E-02	3.60E-06	1.09E-05	6.30E-06	6.30E-06	5.73E-06	2.62E-06	2.72E-06	0.00E+00	0.00E+00	1.16E-06	2.14E-07	1.36E-06	2.10E-07	2.10E-07	3.16E-06
4641	491863.09	3859877.25	8.80E-03	8.84E-03	9.14E-03	3.05E-06	9.20E-06	5.32E-06	5.32E-06	4.85E-06	2.21E-06	2.29E-06	0.00E+00	0.00E+00	9.80E-07	1.81E-07	1.15E-06	1.78E-07	1.77E-07	2.67E-06
4642	492363.09	3859877.25	7.59E-03	7.63E-03	7.85E-03	2.63E-06	7.93E-06	4.59E-06	4.59E-06	4.18E-06	1.91E-06	1.97E-06	0.00E+00	0.00E+00	8.44E-07	1.56E-07	9.94E-07	1.53E-07	1.52E-07	2.30E-06
4643	492863.09	3859877.25	6.43E-03	6.47E-03	6.63E-03	2.23E-06	6.72E-06	3.89E-06	3.89E-06	3.55E-06	1.62E-06	1.66E-06	0.00E+00	0.00E+00	7.16E-07	1.32E-07	8.44E-07	1.30E-07	1.29E-07	1.95E-06
4644	493363.09	3859877.25	5.65E-03	5.69E-03	5.81E-03	1.96E-06	5.91E-06	3.42E-06	3.42E-06	3.12E-06	1.42E-06	1.45E-06	0.00E+00	0.00E+00	6.29E-07	1.16E-07	7.42E-07	1.14E-07	1.13E-07	1.71E-06
4645	493863.09	3859877.25	5.02E-03	5.06E-03	5.15E-03	1.74E-06	5.24E-06	3.04E-06	3.04E-06	2.77E-06	1.27E-06	1.29E-06	0.00E+00	0.00E+00	5.59E-07	1.03E-07	6.59E-07	1.02E-07	9.98E-08	1.52E-06
4646	494363.09	3859877.25	4.39E-03	4.43E-03	4.49E-03	1.52E-06	4.59E-06	2.66E-06	2.66E-06	2.43E-06	1.11E-06	1.12E-06	0.00E+00	0.00E+00	4.89E-07	9.02E-08	5.77E-07	8.90E-08	8.70E-08	1.33E-06
4647	494863.09	3859877.25	4.02E-03	4.06E-03	4.10E-03	1.39E-06	4.20E-06	2.43E-06	2.43E-06	2.22E-06	1.01E-06	1.03E-06	0.00E+00	0.00E+00	4.47E-07	8.26E-08	5.29E-07	8.15E-08	7.95E-08	1.22E-06
4648	495363.09	3859877.25	3.61E-03	3.65E-03	3.68E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	2.00E-06	9.13E-07	9.21E-07	0.00E+00	0.00E+00	4.02E-07	7.42E-08	4.76E-07	7.33E-08	7.13E-08	1.10E-06
4649	495863.09	3859877.25	3.24E-03	3.28E-03	3.30E-03	1.12E-06	3.39E-06	1.96E-06	1.96E-06	1.80E-06	8.20E-07	8.25E-07	0.00E+00	0.00E+00	3.61E-07	6.66E-08	4.27E-07	6.59E-08	6.39E-08	9.85E-07
4650	496363.09	3859877.25	2.79E-03	2.83E-03	2.83E-03	9.67E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.07E-07	7.08E-07	0.00E+00	0.00E+00	3.11E-07	5.74E-08	3.68E-07	5.68E-08	5.48E-08	8.48E-07
4651	496863.09	3859877.25	2.08E-03	2.10E-03	2.10E-03	7.20E-07	2.17E-06	1.26E-06	1.26E-06	1.15E-06	5.27E-07	5.24E-07	0.00E+00	0.00E+00	2.31E-07	4.27E-08	2.74E-07	4.23E-08	4.06E-08	6.31E-07
4652	497363.09	3859877.25	2.38E-03	2.40E-03	2.39E-03	8.22E-07	2.48E-06	1.44E-06	1.44E-06	1.32E-06	6.02E-07	5.99E-07	0.00E+00	0.00E+00	2.64E-07	4.88E-08	3.13E-07	4.83E-08	4.64E-08	7.21E-07
4653	497863.09	3859877.25	2.61E-03	2.64E-03	2.64E-03	9.04E-07	2.73E-06	1.58E-06	1.58E-06	1.45E-06	6.61E-07	6.61E-07	0.00E+00	0.00E+00	2.91E-07	5.36E-08	3.44E-07	5.31E-08	5.12E-08	7.93E-07
4654	498363.09	3859877.25	2.65E-03	2.68E-03	2.68E-03	9.17E-07	2.77E-06	1.60E-06	1.60E-06	1.47E-06	6.70E-07	6.71E-07	0.00E+00	0.00E+00	2.95E-07	5.44E-08	3.49E-07	5.38E-08	5.19E-08	8.04E-07
4655	471363.09	3860377.25	3.15E-04	3.21E-04	3.09E-04	1.09E-07	3.29E-07	1.90E-07	1.90E-07	1.76E-07	8.03E-08	7.72E-08	0.00E+00	0.00E+00	3.50E-08	6.47E-09	4.18E-08	6.45E-09	5.98E-09	9.58E-08
4656	471863.09	3860377.25	3.33E-04	3.40E-04	3.26E-04	1.15E-07	3.48E-07	2.01E-07	2.01E-07	1.86E-07	8.50E-08	8.17E-08	0.00E+00	0.00E+00	3.71E-08	6.84E-09	4.43E-08	6.83E-09	6.33E-09	1.01E-07
4657	472363.09	3860377.25	3.57E-04	3.64E-04	3.50E-04	1.24E-07	3.73E-07	2.16E-07	2.16E-07	2.00E-07	9.11E-08	8.77E-08	0.00E+00	0.00E+00	3.97E-08	7.33E-09	4.74E-08	7.32E-09	6.79E-09	1.09E-07
4658	472863.09	3860377.25	3.86E-04	3.94E-04	3.79E-04	1.34E-07	4.04E-07	2.34E-07	2.34E-07	2.16E-07	9.85E-08	9.50E-08	0.00E+00	0.00E+00	4.30E-08	7.93E-09	5.13E-08	7.91E-09	7.35E-09	1.17E-07
4659	473363.09	3860377.25	4.13E-04	4.21E-04	4.06E-04	1.43E-07	4.31E-07	2.50E-07	2.50E-07	2.31E-07	1.05E-07	1.01E-07	0.00E+00	0.00E+00	4.59E-08	8.48E-09	5.48E-08	8.45E-09	7.86E-09	1.26E-07
4660	473863.09	3860377.25	4.32E-04	4.41E-04	4.24E-04	1.50E-07	4.52E-07	2.62E-07	2.62E-07	2.42E-07	1.10E-07	1.06E-07	0.00E+00	0.00E+00	4.81E-08	8.88E-09	5.75E-08	8.86E-09	8.22E-09	1.32E-07
4661	474363.09	3860377.25	4.29E-04	4.38E-04	4.18E-04	1.48E-07	4.48E-07	2.59E-07	2.59E-07	2.40E-07	1.10E-07	1.05E-07	0.00E+00	0.00E+00	4.77E-08	8.81E-09	5.71E-08	8.80E-09	8.10E-09	1.30E-07
4662	474863.09	3860377.25	4.14E-04	4.24E-04	4.00E-04	1.43E-07	4.33E-07	2.51E-07	2.51E-07	2.33E-07	1.06E-07	1.00E-07	0.00E+00	0.00E+00	4.61E-08	8.51E-09	5.53E-08	8.52E-09	7.76E-09	1.26E-07
4663	475363.09	3860377.25	3.62E-04	3.71E-04	3.46E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.04E-07	9.29E-08	8.67E-08	0.00E+00	0.00E+00	4.03E-08	7.43E-09	4.84E-08	7.46E-09	6.71E-09	1.10E-07
4664	475863.09	3860377.25	3.00E-04	3.08E-04	2.85E-04	1.04E-07	3.13E-07	1.81E-07	1.81E-07	1.69E-07	7.70E-08	7.14E-08	0.00E+00	0.00E+00	3.34E-08	6.16E-09	4.01E-08	6.18E-09	5.53E-09	9.13E-08
4665	476363.09	3860377.25	2.40E-04	2.46E-04	2.29E-04	8.29E-08	2.50E-07	1.45E-07	1.45E-07	1.35E-07	6.15E-08	5.72E-08	0.00E+00	0.00E+00	2.67E-08	4.92E-09	3.20E-08	4.94E-09	4.43E-09	7.30E-08
4666	476863.09	3860377.25	2.22E-04	2.28E-04	2.13E-04	7.69E-08	2.32E-07	1.34E-07	1.34E-07	1.25E-07	5.70E-08	5.33E-08	0.00E+00	0.00E+00	2.47E-08	4.56E-09	2.97E-08	4.57E-09	4.13E-09	6.77E-08
4667	477363.09	3860377.25	1.62E-04	1.65E-04	1.58E-04	5.59E-08	1.69E-07	9.77E-08	9.77E-08	9.03E-08	4.12E-08	3.94E-08	0.00E+00	0.00E+00	1.80E-08	3.32E-09	2.14E-08	3.31E-09	3.05E-09	4.91E-08
4668	477863.09	3860377.25	1.92E-04	1.96E-04	1.86E-04	6.66E-08	2.01E-07	1.16E-07	1.16E-07	1.08E-07	4.92E-08	4.66E-08	0.00E+00	0.00E+00	2.14E-08	3.95E-09	2.56E-08	3.95E-09	3.61E-09	5.85E-08
4669	478363.09	3860377.25	3.17E-04	3.25E-04	3.02E-04	1.10E-07	3.31E-07	1.92E-07	1.92E-07	1.78E-07	8.14E-08	7.56E-08	0.00E+00	0.00E+00	3.53E-08	6.51E-09	4.24E-08	6.54E-09	5.85E-09	9.66E-08
4670	478863.09	3860377.25	4.50E-04	4.62E-04	4.29E-04	1.56E-07	4.70E-07	2.72E-07	2.72E-07	2.53E-07	1.16E-07	1.07E-07	0.00E+00	0.00E+00	5.01E-08	9.24E-09	6.02E-08	9.28E-09	8.31E-09	1.37E-07
4671	479363.09	3860377.25	6.37E-04	6.52E-04	6.15E-04	2.20E-07	6.66E-07	3.85E-07	3.85E-07	3.57E-07	1.63E-07	1.54E-07	0.00E+00	0.00E+00	7.09E-08	1.31E-08	8.49E-08	1.31E-08	1.19E-08	1.94E-07
4672	479863.09	3860377.25	8.61E-04	8.78E-04	8.45E-04	2.98E-07	9.00E-07	5.21E-07	5.21E-07	4.81E-07	2.20E-07	2.11E-07	0.00E+00	0.00E+00	9.58E-08	1.77E-08	1.14E-07	1.76E-08	1.64E-08	2.62E-07
4673	480363.09	3860377.25	1.06E-03	1.08E-03	1.05E-03	3.68E-07	1.11E-06	6.44E-07	6.44E-07	5.93E-07	2.71E-07	2.64E-07	0.00E+00	0.00E+00	1.18E-07	2.18E-08	1.41E-07	2.17E-08	2.04E-08	3.23E-07
4674	480863.09	3860377.25	1.22E-03	1.24E-03	1.22E-03	4.23E-07	1.28E-06	7.39E-07	7.39E-07	6.80E-07	3.10E-07	3.05E-07	0.00E+00	0.00E+00	1.36E-07	2.51E-08	1.62E-07	2.49E-08	2.36E-08	3.71E-07
4675	481363.09	3860377.25	1.36E-03	1.38E-03	1.36E-03	4.70E-07	1.42E-06	8.21E-07	8.21E-07	7.56E-07	3.45E-07	3.39E-07	0.00E+00	0.00E+00	1.51E-07	2.79E-08	1.80E-07	2.77E-08	2.63E-08	4.12E-07
4676	481863.09	3860377.25	1.53E-03	1.55E-03	1.53E-03	5.30E-07	1.60E-06	9.26E-07	9.26E-07	8.52E-07	3.89E-07	3.84E-07	0.00E+00	0.00E+00	1.70E-07	3.14E-08	2.02E-07	3.12E-08	2.97E-08	4.65E-07
4677	482363.09	3860377.25	1.69E-03	1.71E-03	1.69E-03	5.85E-07	1.77E-06	1.02E-06	1.02E-06	9.40E-07	4.29E-07	4.24E-07	0.00E+00	0.00E+00	1.88E-07	3.47E-08	2.23E-07	3.44E-08	3.28E-08	5.13E-07
4678	482863.09	3860377.25	1.86E-03	1.88E-03	1.87E-03	6.43E-07	1.94E-06	1.12E-06	1.12E-06	1.03E-06	4.71E-07	4.67E-07	0.00E+00	0.00E+00	2.07E-07	3.82E-08	2.45E-07	3.78E-08	3.61E-08	5.64E-07
4679	483363.09	3860377.25	2.14E-03	2.17E-03	2.16E-03	7.41E-07	2.24E-06	1.30E-06	1.30E-06	1.19E-06	5.43E-07	5.40E-07	0.00E+00	0.00E+00	2.38E-07	4.40E-08	2.83E-07	4.36E-08	4.18E-08	6.51E-07
4680	483863.09	3860377.25	2.39E-03	2.42E-03	2.42E-03	8.28E-07	2.50E-06	1.45E-06	1.45E-06	1.33E-06	6.06E-07	6.05E-07	0.00E+00	0.00E+00	2.66E-07	4.91E-08	3.15E-07	4.87E-08	4.68E-08	7.26E-07
4681	484363.09	3860377.25	2.80E-03	2.82E-03	2.84E-03	9.68E-07	2.92E-06	1.69E-06	1.69E-06	1.55E-06	7.07E-07	7.12E-07	0.00E+00	0.00E+00	3.11E-07	5.74E-08	3.68E-07	5.68E-08	5.51E-08	8.48E-07
4682	484863.09	3860377.25	3.21E-03	3.24E-03	3.28E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.77E-06	8.10E-07	8.21E-07	0.00E+00	0.00E+00	3.57E-07	6.59E-08	4.22E-07	6.50E-08	6.35E-08	9.73E-07
4683	485363.09	3860377.25	3.75E-03	3.77E-03	3.85E-03	1.30E-06	3.91E-06	2.27E-06	2.27E-06	2.07E-06	9.44E-07	9.64E-07	0.00E+00	0.00E+00	4.17E-07	7.69E-08	4.92E-07	7.58E-08	7.46E-08	1.14E-06
4684	485863.09	3860377.25	4.50E-03	4.53E-03	4.65E-03	1.56E-06	4.70E-06	2.72E-06	2.72E-06	2.48E-06	1.13E-06	1.16E-06	0.00E+00	0.00E+00	5.01E-07	9.24E-08	5.90E-07	9.10E-08	9.01E-08	1.36E-06
4685	486363.09	3860377.25	5.45E-03	5.47E-03	5.65E-03	1.89E-06	5.69E-06	3.30E-06	3.30E-06	3.00E-06	1.37E-06	1.41E-06	0.00E+00	0.00E+00	6.06E-07	1.12E-07	7.13E-07	1.10E-07	1.10E-07	1.65E-06
4686	486863.09	3860377.25	6.86E-03	6.88E-03	7.14E-03	2.37E-06	7.17E-06	4.15E-06	4.15E-06	3.78E-06	1.72E-06	1.79E-06	0.00E+00	0.00E+00	7.63E-07	1.41E-07	8.97E-07	1.38E-07	1.38E-07	2.08E-06
4687	487363.09	3860377.25	1.05E-02	1.06E-02	1.10E-02	3.64E-06	1.10E-05	6.37E-06	6.37E-06	5.79E-06	2.64E-06	2.76E-06	0.00E+00	0.00E+00	1.17E-06	2.16E-07	1.38E-06	2.12E-07	2.13E-07	3.19E-06
4688	487863.09	3860377.25	5.25E-02	5.25E-02	5.53E-02	1.82E-05	5.48E-05	3.17E-05	3.17E-05	2.88E-05	1.31E-05	1.38E-05	0.00E+00	0.00E+00	5.84E-06	1.08E-06	6.84E-06	1.05E-06	1.07E-06	1.59E-05
4689	488363.09	3860377.25	7.47E-02	7.47E-02	7.88E-02	2.59E-05	7.81E-05	4.52E-05	4.52E-05	4.10E-05	1.87E-05	1.97E-05	0.00E+00	0.00E+00	8.32E-06	1.53E-06	9.74E-06	1.50E-06	1.53E-06	2.26E-05
4690	488863.09	3860377.25	8.16E-02	8.16E-02	8.60E-02	2.82E-05	8.52E-05	4.93E-05	4.93E-05	4.47E-05	2.04E-05	2.15E-05	0.00E+00	0.00E+00	9.08E-06	1.67E-06	1.06E-05	1.64E-06	1.67E-06	2.47E-05
4691	489363.09	3860377.25	3.67E-02	3.67E-02	3.86E-02	1.27E-05	3.83E-05	2.22E-05	2.22E-05	2.01E-05	9.19E-06	9.66E-06	0.00E+00	0.00E+00	4.08E-06	7.53E-07	4.78E-06	7.38E-07	7.48E-07	1.11E-05
4692	489863.09	3860377.25	1.92E-02	1.92E-02	2.01E-02	6.64E-06	2.01E-05	1.16E-05	1.16E-05	1.05E-05	4.81E-06	5.04E-06	0.00E+00	0.00E+00	2.14E-06	3.94E-07	2.51E-06	3.86E-07	3.90E-07	5.81E-06
4693	490363.09	3860377.25	1.36E-02	1.37E-02	1.43E-02	4.72E-06	1.43E-05	8.25E-06	8.25E-06	7.50E-06	3.42E-06	3.57E-06	0.00E+00	0.00E+00	1.52E-06	2.80E-07	1.78E-06	2.75E-07	2.77E-07	4.13E-06
4694	490863.09	3860377.25	1.07E-02	1.08E-02	1.12E-02	3.72E-06	1.12E-05	6.50E-06	6.50E-06	5.91E-06	2.70E-06	2.81E-06	0.00E+00	0.00E+00	1.20E-06	2.21E-07	1.40E-06	2.16E-07	2.17E-07	3.25E-06
4695	491363.09	3860377.25	8.85E-03	8.87E-03	9.23E-03	3.06E-06	9.24E-06	5.35E-06	5.35E-06	4.87E-06	2.22E-06	2.31E-06	0.00E+00	0.00E+00	9.85E-07	1.82E-07	1.16E-06	1.78E-07	1.79E-07	2.68E-06
4696	491863.09	3860377.25	7.58E-03	7.61E-03	7.90E-03	2.63E-06	7.93E-06	4.59E-06	4.59E-06	4.17E-06	1.90E-06	1.98E-06	0.00E+00	0.00E+00	8.44E-07	1.56E-07	9.92E-07	1.53E-07	1.53E-07	2.30E-06
4697	492363.09	3860377.25	6.66E-03	6.69E-03	6.92E-03	2.31E-06	6.96E-06	4.03E-06	4.03E-06	3.67E-06	1.67E-06	1.73E-06	0.00E+00	0.00E+00	7.41E-07	1.37E-07	8.72E-07	1.34E-07	1.34E-07	2.02E-06
4698	492863.09	3860377.25	5.92E-03	5.95E-03	6.13E-03	2.05E-06	6.19E-06	3.58E-06	3.58E-06	3.26E-06	1.49E-06	1.53E-06	0.00E+00	0.00E+00	6.59E-07	1.22E-07	7.75E-07	1.20E-07	1.19E-07	1.79E-06
4699	493363.09	3860377.25	5.26E-03	5.30E-03	5.43E-03	1.82E-06	5.50E-06	3.19E-06	3.19E-06	2.91E-06	1.33E-06	1.36E-06	0.00E+00	0.00E+00	5.86E-07	1.08E-07	6.90E-07	1.06E-07	1.05E-07	1.60E-06
4700	493863.09	3860377.25	4.82E-03	4.85E-03	4.96E-03	1.67E-06	5.03E-06	2.91E-06	2.91E-06	2.66E-06	1.21E-06	1.24E-06	0.00E+00	0.00E+00	5.36E-07	9.89E-08	6.32E-07	9.74E-08	9.61E-08	1.46E-06
4701	494363.09	3860377.25	4.34E-03	4.38E-03	4.46E-03	1.50E-06	4.54E-06	2.63E-06	2.63E-06	2.40E-06	1.10E-06	1.12E-06	0.00E+00	0.00E+00	4.84E-07	8.92E-08	5.70E-07	8.80E-08	8.65E-08	1.32E-06
4702	494863.09	3860377.25	4.03E-03	4.06E-03	4.13E-03	1.39E-06	4.21E-06	2.44E-06	2.44E-06	2.23E-06	1.02E-06	1.03E-06	0.00E+00	0.00E+00	4.49E-07	8.28E-08	5.29E-07	8.16E-08	8.01E-08	1.22E-06
4703	495363.09	3860377.25	3.67E-03	3.70E-03	3.76E-03	1.27E-06	3.83E-06	2.22E-06	2.22E-06	2.03E-06	9.26E-07	9.40E-07	0.00E+00	0.00E+00	4.08E-07	7.53E-08	4.82E-07	7.43E-08	7.28E-08	1.11E-06
4704	495863.09	3860377.25	3.20E-03	3.23E-03	3.27E-03	1.11E-06	3.35E-06	1.94E-06	1.94E-06	1.77E-06	8.08E-07	8.18E-07	0.00E+00	0.00E+00	3.56E-07	6.57E-08	4.21E-07	6.49E-08	6.33E-08	9.71E-07
4705	496363.09	3860377.25	2.77E-03	2.80E-03	2.82E-03	9.59E-07	2.90E-06	1.68E-06	1.68E-06	1.54E-06	7.01E-07	7.05E-07	0.00E+00	0.00E+00	3.09E-07	5.69E-08	3.65E-07	5.63E-08	5.46E-08	8.41E-07
4706	496863.09	3860377.25	2.45E-03	2.47E-03	2.48E-03	8.47E-07	2.56E-06	1.48E-06	1.48E-06	1.36E-06	6.19E-07	6.20E-07	0.00E+00	0.00E+00	2.72E-07	5.03E-08	3.22E-07	4.97E-08	4.80E-08	7.43E-07
4707	497363.09	3860377.25	2.11E-03	2.14E-03	2.13E-03	7.31E-07	2.21E-06	1.28E-06	1.28E-06	1.17E-06	5.35E-07	5.34E-07	0.00E+00	0.00E+00	2.35E-07	4.34E-08	2.79E-07	4.30E-08	4.13E-08	6.41E-07
4708	497863.09	3860377.25	2.32E-03	2.35E-03	2.35E-03	8.05E-07	2.43E-06	1.41E-06	1.41E-06	1.29E-06	5.88E-07	5.89E-07	0.00E+00	0.00E+00	2.59E-07	4.77E-08	3.06E-07	4.72E-08	4.56E-08	7.06E-07
4709	498363.09	3860377.25	2.43E-03	2.46E-03	2.47E-03	8.42E-07	2.54E-06	1.47E-06	1.47E-06	1.35E-06	6.15E-07	6.17E-07	0.00E+00	0.00E+00	2.71E-07	4.99E-08	3.20E-07	4.94E-08	4.78E-08	7.38E-07
4710	471363.09	3860877.25	3.31E-04	3.38E-04	3.26E-04	1.15E-07	3.46E-07	2.00E-07	2.00E-07	1.85E-07	8.45E-08	8.15E-08	0.00E+00	0.00E+00	3.69E-08	6.80E-09	4.40E-08	6.79E-09	6.31E-09	1.01E-07
4711	471863.09	3860877.25	3.52E-04	3.59E-04	3.46E-04	1.22E-07	3.68E-07	2.13E-07	2.13E-07	1.97E-07	8.98E-08	8.67E-08	0.00E+00	0.00E+00	3.92E-08	7.23E-09	4.68E-08	7.21E-09	6.71E-09	1.07E-07
4712	472363.09	3860877.25	3.73E-04	3.80E-04	3.67E-04	1.29E-07	3.90E-07	2.26E-07	2.26E-07	2.08E-07	9.51E-08	9.18E-08	0.00E+00	0.00E+00	4.15E-08	7.66E-09	4.95E-08	7.64E-09	7.11E-09	1.13E-07
4713	472863.09	3860877.25	3.98E-04	4.06E-04	3.92E-04	1.38E-07	4.16E-07	2.41E-07	2.41E-07	2.23E-07	1.02E-07	9.80E-08	0.00E+00	0.00E+00	4.43E-08	8.18E-09	5.29E-08	8.16E-09	7.59E-09	1.21E-07
4714	473363.09	3860877.25	4.19E-04	4.27E-04	4.11E-04	1.45E-07	4.37E-07	2.53E-07	2.53E-07	2.34E-07	1.07E-07	1.03E-07	0.00E+00	0.00E+00	4.66E-08	8.60E-09	5.56E-08	8.58E-09	7.96E-09	1.27E-07
4715	473863.09	3860877.25	4.37E-04	4.46E-04	4.28E-04	1.51E-07	4.57E-07	2.65E-07	2.65E-07	2.45E-07	1.12E-07	1.07E-07	0.00E+00	0.00E+00	4.87E-08	8.98E-09	5.81E-08	8.96E-09	8.30E-09	1.33E-07
4716	474363.09	3860877.25	4.52E-04	4.62E-04	4.42E-04	1.57E-07	4.73E-07	2.74E-07	2.74E-07	2.53E-07	1.16E-07	1.11E-07	0.00E+00	0.00E+00	5.03E-08	9.29E-09	6.02E-08	9.28E-09	8.57E-09	1.38E-07
4717	474863.09	3860877.25	4.74E-04	4.84E-04	4.63E-04	1.64E-07	4.96E-07	2.87E-07	2.87E-07	2.66E-07	1.21E-07	1.16E-07	0.00E+00	0.00E+00	5.28E-08	9.74E-09	6.31E-08	9.73E-09	8.98E-09	1.44E-07
4718	475363.09	3860877.25	4.67E-04	4.77E-04	4.54E-04	1.62E-07	4.88E-07	2.82E-07	2.82E-07	2.61E-07	1.19E-07	1.14E-07	0.00E+00	0.00E+00	5.19E-08	9.58E-09	6.21E-08	9.58E-09	8.80E-09	1.42E-07

4719	475863.09	3860877.25	4.34E-04	4.44E-04	4.19E-04	1.50E-07	4.53E-07	2.62E-07	2.62E-07	2.43E-07	1.11E-07	1.05E-07	0.00E+00	0.00E+00	4.83E-08	8.91E-09	5.78E-08	8.92E-09	8.12E-09	1.32E-07
4720	476363.09	3860877.25	3.82E-04	3.91E-04	3.67E-04	1.32E-07	3.99E-07	2.31E-07	2.31E-07	2.15E-07	9.79E-08	9.18E-08	0.00E+00	0.00E+00	4.25E-08	7.85E-09	5.10E-08	7.86E-09	7.10E-09	1.16E-07
4721	476863.09	3860877.25	3.63E-04	3.72E-04	3.47E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.04E-07	9.31E-08	8.69E-08	0.00E+00	0.00E+00	4.04E-08	7.46E-09	4.85E-08	7.48E-09	6.73E-09	1.11E-07
4722	477363.09	3860877.25	3.72E-04	3.81E-04	3.55E-04	1.29E-07	3.88E-07	2.25E-07	2.25E-07	2.09E-07	9.54E-08	8.88E-08	0.00E+00	0.00E+00	4.14E-08	7.63E-09	4.97E-08	7.66E-09	6.88E-09	1.13E-07
4723	477863.09	3860877.25	3.23E-04	3.31E-04	3.07E-04	1.12E-07	3.38E-07	1.95E-07	1.95E-07	1.82E-07	8.29E-08	7.69E-08	0.00E+00	0.00E+00	3.60E-08	6.63E-09	4.32E-08	6.66E-09	5.96E-09	9.84E-08
4724	478363.09	3860877.25	2.19E-04	2.24E-04	2.11E-04	7.59E-08	2.29E-07	1.33E-07	1.33E-07	1.23E-07	5.61E-08	5.28E-08	0.00E+00	0.00E+00	2.44E-08	4.50E-09	2.92E-08	4.51E-09	4.09E-09	6.67E-08
4725	478863.09	3860877.25	4.19E-04	4.30E-04	4.00E-04	1.45E-07	4.38E-07	2.54E-07	2.54E-07	2.36E-07	1.08E-07	1.00E-07	0.00E+00	0.00E+00	4.67E-08	8.61E-09	5.60E-08	8.64E-09	7.75E-09	1.28E-07
4726	479363.09	3860877.25	6.24E-04	6.38E-04	6.06E-04	2.16E-07	6.52E-07	3.78E-07	3.78E-07	3.50E-07	1.60E-07	1.52E-07	0.00E+00	0.00E+00	6.95E-08	1.28E-08	8.31E-08	1.28E-08	1.17E-08	1.90E-07
4727	479863.09	3860877.25	8.34E-04	8.49E-04	8.24E-04	2.89E-07	8.72E-07	5.05E-07	5.05E-07	4.66E-07	2.12E-07	2.06E-07	0.00E+00	0.00E+00	9.29E-08	1.71E-08	1.11E-07	1.71E-08	1.60E-08	2.54E-07
4728	480363.09	3860877.25	1.02E-03	1.04E-03	1.02E-03	3.54E-07	1.07E-06	6.18E-07	6.18E-07	5.69E-07	2.60E-07	2.55E-07	0.00E+00	0.00E+00	1.14E-07	2.10E-08	1.35E-07	2.08E-08	1.97E-08	3.10E-07
4729	480863.09	3860877.25	1.15E-03	1.17E-03	1.15E-03	3.99E-07	1.21E-06	6.98E-07	6.98E-07	6.42E-07	2.93E-07	2.89E-07	0.00E+00	0.00E+00	1.28E-07	2.37E-08	1.53E-07	2.35E-08	2.24E-08	3.51E-07
4730	481363.09	3860877.25	1.30E-03	1.32E-03	1.30E-03	4.49E-07	1.36E-06	7.85E-07	7.85E-07	7.22E-07	3.29E-07	3.25E-07	0.00E+00	0.00E+00	1.44E-07	2.66E-08	1.71E-07	2.64E-08	2.52E-08	3.94E-07
4731	481863.09	3860877.25	1.42E-03	1.44E-03	1.42E-03	4.91E-07	1.48E-06	8.59E-07	8.59E-07	7.89E-07	3.60E-07	3.56E-07	0.00E+00	0.00E+00	1.58E-07	2.91E-08	1.88E-07	2.89E-08	2.76E-08	4.31E-07
4732	482363.09	3860877.25	1.58E-03	1.60E-03	1.59E-03	5.48E-07	1.65E-06	9.58E-07	9.58E-07	8.80E-07	4.02E-07	3.98E-07	0.00E+00	0.00E+00	1.76E-07	3.25E-08	2.09E-07	3.22E-08	3.09E-08	4.81E-07
4733	482863.09	3860877.25	1.73E-03	1.75E-03	1.74E-03	5.99E-07	1.81E-06	1.05E-06	1.05E-06	9.62E-07	4.39E-07	4.36E-07	0.00E+00	0.00E+00	1.93E-07	3.55E-08	2.28E-07	3.52E-08	3.38E-08	5.26E-07
4734	483363.09	3860877.25	1.89E-03	1.92E-03	1.91E-03	6.55E-07	1.98E-06	1.14E-06	1.14E-06	1.05E-06	4.79E-07	4.78E-07	0.00E+00	0.00E+00	2.11E-07	3.89E-08	2.50E-07	3.85E-08	3.70E-08	5.75E-07
4735	483863.09	3860877.25	2.08E-03	2.11E-03	2.11E-03	7.21E-07	2.18E-06	1.26E-06	1.26E-06	1.16E-06	5.28E-07	5.27E-07	0.00E+00	0.00E+00	2.32E-07	4.28E-08	2.75E-07	4.24E-08	4.08E-08	6.33E-07
4736	484363.09	3860877.25	2.37E-03	2.40E-03	2.41E-03	8.21E-07	2.48E-06	1.44E-06	1.44E-06	1.31E-06	6.00E-07	6.04E-07	0.00E+00	0.00E+00	2.64E-07	4.87E-08	3.12E-07	4.82E-08	4.67E-08	7.20E-07
4737	484863.09	3860877.25	2.68E-03	2.71E-03	2.75E-03	9.29E-07	2.81E-06	1.62E-06	1.62E-06	1.49E-06	6.78E-07	6.87E-07	0.00E+00	0.00E+00	2.99E-07	5.51E-08	3.53E-07	5.44E-08	5.32E-08	8.15E-07
4738	485363.09	3860877.25	3.06E-03	3.08E-03	3.14E-03	1.06E-06	3.19E-06	1.85E-06	1.85E-06	1.69E-06	7.70E-07	7.86E-07	0.00E+00	0.00E+00	3.40E-07	6.27E-08	4.01E-07	6.19E-08	6.08E-08	9.27E-07
4739	485863.09	3860877.25	3.52E-03	3.54E-03	3.63E-03	1.22E-06	3.68E-06	2.13E-06	2.13E-06	1.94E-06	8.86E-07	9.08E-07	0.00E+00	0.00E+00	3.92E-07	7.23E-08	4.61E-07	7.12E-08	7.03E-08	1.07E-06
4740	486363.09	3860877.25	4.04E-03	4.07E-03	4.19E-03	1.40E-06	4.23E-06	2.45E-06	2.45E-06	2.23E-06	1.02E-06	1.05E-06	0.00E+00	0.00E+00	4.50E-07	8.31E-08	5.30E-07	8.17E-08	8.11E-08	1.23E-06
4741	486863.09	3860877.25	4.85E-03	4.87E-03	5.04E-03	1.68E-06	5.07E-06	2.93E-06	2.93E-06	2.67E-06	1.22E-06	1.26E-06	0.00E+00	0.00E+00	5.40E-07	9.96E-08	6.35E-07	9.79E-08	9.76E-08	1.47E-06
4742	487363.09	3860877.25	6.22E-03	6.25E-03	6.49E-03	2.15E-06	6.50E-06	3.77E-06	3.77E-06	3.43E-06	1.56E-06	1.62E-06	0.00E+00	0.00E+00	6.93E-07	1.28E-07	8.14E-07	1.26E-07	1.26E-07	1.89E-06
4743	487863.09	3860877.25	7.88E-03	7.90E-03	8.23E-03	2.73E-06	8.23E-06	4.77E-06	4.77E-06	4.33E-06	1.98E-06	2.06E-06	0.00E+00	0.00E+00	8.77E-07	1.62E-07	1.03E-06	1.59E-07	1.60E-07	2.39E-06
4744	488363.09	3860877.25	9.85E-03	9.87E-03	1.03E-02	3.41E-06	1.03E-05	5.96E-06	5.96E-06	5.41E-06	2.47E-06	2.58E-06	0.00E+00	0.00E+00	1.10E-06	2.02E-07	1.29E-06	1.98E-07	2.00E-07	2.98E-06
4745	488863.09	3860877.25	1.05E-02	1.05E-02	1.10E-02	3.62E-06	1.09E-05	6.33E-06	6.33E-06	5.75E-06	2.62E-06	2.74E-06	0.00E+00	0.00E+00	1.16E-06	2.15E-07	1.37E-06	2.11E-07	2.12E-07	3.17E-06
4746	489363.09	3860877.25	1.04E-02	1.04E-02	1.09E-02	3.60E-06	1.09E-05	6.29E-06	6.29E-06	5.71E-06	2.61E-06	2.72E-06	0.00E+00	0.00E+00	1.16E-06	2.13E-07	1.36E-06	2.09E-07	2.11E-07	3.15E-06
4747	489863.09	3860877.25	9.27E-03	9.30E-03	9.70E-03	3.21E-06	9.69E-06	5.61E-06	5.61E-06	5.10E-06	2.33E-06	2.43E-06	0.00E+00	0.00E+00	1.03E-06	1.90E-07	1.21E-06	1.87E-07	1.88E-07	2.81E-06
4748	490363.09	3860877.25	8.18E-03	8.20E-03	8.54E-03	2.83E-06	8.55E-06	4.95E-06	4.95E-06	4.50E-06	2.05E-06	2.14E-06	0.00E+00	0.00E+00	9.11E-07	1.68E-07	1.07E-06	1.65E-07	1.66E-07	2.48E-06
4749	490863.09	3860877.25	7.18E-03	7.21E-03	7.48E-03	2.49E-06	7.50E-06	4.34E-06	4.34E-06	3.95E-06	1.80E-06	1.87E-06	0.00E+00	0.00E+00	7.99E-07	1.47E-07	9.39E-07	1.45E-07	1.45E-07	2.18E-06
4750	491363.09	3860877.25	6.39E-03	6.41E-03	6.65E-03	2.21E-06	6.68E-06	3.87E-06	3.87E-06	3.52E-06	1.61E-06	1.66E-06	0.00E+00	0.00E+00	7.11E-07	1.31E-07	8.36E-07	1.29E-07	1.29E-07	1.94E-06
4751	491863.09	3860877.25	5.75E-03	5.77E-03	5.98E-03	1.99E-06	6.01E-06	3.48E-06	3.48E-06	3.17E-06	1.44E-06	1.50E-06	0.00E+00	0.00E+00	6.40E-07	1.18E-07	7.52E-07	1.16E-07	1.16E-07	1.74E-06
4752	492363.09	3860877.25	5.10E-03	5.13E-03	5.30E-03	1.77E-06	5.33E-06	3.09E-06	3.09E-06	2.81E-06	1.28E-06	1.33E-06	0.00E+00	0.00E+00	5.68E-07	1.05E-07	6.68E-07	1.03E-07	1.03E-07	1.55E-06
4753	492863.09	3860877.25	4.68E-03	4.70E-03	4.85E-03	1.62E-06	4.89E-06	2.83E-06	2.83E-06	2.58E-06	1.18E-06	1.22E-06	0.00E+00	0.00E+00	5.21E-07	9.61E-08	6.13E-07	9.45E-08	9.41E-08	1.42E-06
4754	493363.09	3860877.25	4.36E-03	4.38E-03	4.51E-03	1.51E-06	4.55E-06	2.64E-06	2.64E-06	2.40E-06	1.10E-06	1.13E-06	0.00E+00	0.00E+00	4.85E-07	8.95E-08	5.71E-07	8.80E-08	8.74E-08	1.32E-06
4755	493863.09	3860877.25	4.02E-03	4.05E-03	4.15E-03	1.39E-06	4.21E-06	2.43E-06	2.43E-06	2.22E-06	1.01E-06	1.04E-06	0.00E+00	0.00E+00	4.48E-07	8.26E-08	5.28E-07	8.14E-08	8.05E-08	1.22E-06
4756	494363.09	3860877.25	3.74E-03	3.77E-03	3.85E-03	1.30E-06	3.91E-06	2.26E-06	2.26E-06	2.07E-06	9.43E-07	9.64E-07	0.00E+00	0.00E+00	4.17E-07	7.69E-08	4.91E-07	7.57E-08	7.47E-08	1.13E-06
4757	494863.09	3860877.25	3.50E-03	3.53E-03	3.60E-03	1.21E-06	3.66E-06	2.12E-06	2.12E-06	1.93E-06	8.83E-07	9.00E-07	0.00E+00	0.00E+00	3.90E-07	7.19E-08	4.60E-07	7.09E-08	6.97E-08	1.06E-06
4758	495363.09	3860877.25	3.28E-03	3.30E-03	3.36E-03	1.13E-06	3.42E-06	1.98E-06	1.98E-06	1.81E-06	8.27E-07	8.41E-07	0.00E+00	0.00E+00	3.65E-07	6.73E-08	4.30E-07	6.64E-08	6.51E-08	9.94E-07
4759	495863.09	3860877.25	3.07E-03	3.10E-03	3.15E-03	1.06E-06	3.21E-06	1.86E-06	1.86E-06	1.70E-06	7.76E-07	7.88E-07	0.00E+00	0.00E+00	3.42E-07	6.31E-08	4.04E-07	6.23E-08	6.10E-08	9.32E-07
4760	496363.09	3860877.25	2.87E-03	2.89E-03	2.93E-03	9.93E-07	3.00E-06	1.74E-06	1.74E-06	1.59E-06	7.24E-07	7.34E-07	0.00E+00	0.00E+00	3.19E-07	5.89E-08	3.77E-07	5.82E-08	5.68E-08	8.71E-07
4761	496863.09	3860877.25	2.54E-03	2.57E-03	2.59E-03	8.80E-07	2.66E-06	1.54E-06	1.54E-06	1.41E-06	6.42E-07	6.48E-07	0.00E+00	0.00E+00	2.83E-07	5.22E-08	3.34E-07	5.16E-08	5.02E-08	7.71E-07
4762	497363.09	3860877.25	2.41E-03	2.43E-03	2.45E-03	8.34E-07	2.52E-06	1.46E-06	1.46E-06	1.33E-06	6.09E-07	6.14E-07	0.00E+00	0.00E+00	2.68E-07	4.95E-08	3.17E-07	4.89E-08	4.75E-08	7.31E-07
4763	497863.09	3860877.25	2.24E-03	2.27E-03	2.28E-03	7.76E-07	2.34E-06	1.36E-06	1.36E-06	1.24E-06	5.67E-07	5.70E-07	0.00E+00	0.00E+00	2.50E-07	4.60E-08	2.95E-07	4.55E-08	4.41E-08	6.81E-07
4764	498363.09	3860877.25	2.24E-03	2.26E-03	2.27E-03	7.74E-07	2.34E-06	1.35E-06	1.35E-06	1.24E-06	5.66E-07	5.69E-07	0.00E+00	0.00E+00	2.49E-07	4.59E-08	2.95E-07	4.54E-08	4.41E-08	6.79E-07
4765	471363.09	3861377.25	3.46E-04	3.52E-04	3.41E-04	1.20E-07	3.61E-07	2.09E-07	2.09E-07	1.93E-07	8.81E-08	8.53E-08	0.00E+00	0.00E+00	3.85E-08	7.10E-09	4.59E-08	7.08E-09	6.60E-09	1.05E-07
4766	471863.09	3861377.25	3.64E-04	3.70E-04	3.58E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.03E-07	9.27E-08	8.95E-08	0.00E+00	0.00E+00	4.05E-08	7.47E-09	4.83E-08	7.44E-09	6.93E-09	1.11E-07
4767	472363.09	3861377.25	3.82E-04	3.89E-04	3.75E-04	1.32E-07	3.99E-07	2.31E-07	2.31E-07	2.13E-07	9.74E-08	9.39E-08	0.00E+00	0.00E+00	4.25E-08	7.84E-09	5.07E-08	7.82E-09	7.27E-09	1.16E-07
4768	472863.09	3861377.25	4.04E-04	4.12E-04	3.97E-04	1.40E-07	4.23E-07	2.45E-07	2.45E-07	2.26E-07	1.03E-07	9.94E-08	0.00E+00	0.00E+00	4.50E-08	8.30E-09	5.37E-08	8.28E-09	7.70E-09	1.23E-07
4769	473363.09	3861377.25	4.25E-04	4.33E-04	4.17E-04	1.47E-07	4.44E-07	2.57E-07	2.57E-07	2.37E-07	1.08E-07	1.04E-07	0.00E+00	0.00E+00	4.73E-08	8.72E-09	5.64E-08	8.70E-09	8.08E-09	1.29E-07
4770	473863.09	3861377.25	4.41E-04	4.49E-04	4.32E-04	1.53E-07	4.61E-07	2.67E-07	2.67E-07	2.46E-07	1.12E-07	1.08E-07	0.00E+00	0.00E+00	4.91E-08	9.05E-09	5.86E-08	9.03E-09	8.38E-09	1.34E-07
4771	474363.09	3861377.25	4.68E-04	4.77E-04	4.60E-04	1.62E-07	4.89E-07	2.83E-07	2.83E-07	2.62E-07	1.19E-07	1.15E-07	0.00E+00	0.00E+00	5.21E-08	9.61E-09	6.21E-08	9.58E-09	8.92E-09	1.42E-07
4772	474863.09	3861377.25	4.80E-04	4.89E-04	4.72E-04	1.66E-07	5.01E-07	2.90E-07	2.90E-07	2.68E-07	1.22E-07	1.18E-07	0.00E+00	0.00E+00	5.34E-08	9.85E-09	6.37E-08	9.83E-09	9.14E-09	1.46E-07
4773	475363.09	3861377.25	5.08E-04	5.18E-04	5.00E-04	1.76E-07	5.31E-07	3.07E-07	3.07E-07	2.84E-07	1.30E-07	1.25E-07	0.00E+00	0.00E+00	5.66E-08	1.04E-08	6.74E-08	1.04E-08	9.69E-09	1.55E-07
4774	475863.09	3861377.25	5.11E-04	5.21E-04	5.02E-04	1.77E-07	5.34E-07	3.09E-07	3.09E-07	2.86E-07	1.30E-07	1.26E-07	0.00E+00	0.00E+00	5.69E-08	1.05E-08	6.79E-08	1.05E-08	9.73E-09	1.55E-07
4775	476363.09	3861377.25	4.96E-04	5.06E-04	4.85E-04	1.72E-07	5.18E-07	3.00E-07	3.00E-07	2.77E-07	1.27E-07	1.21E-07	0.00E+00	0.00E+00	5.52E-08	1.02E-08	6.59E-08	1.02E-08	9.39E-09	1.51E-07
4776	476863.09	3861377.25	4.87E-04	4.97E-04	4.74E-04	1.69E-07	5.09E-07	2.95E-07	2.95E-07	2.73E-07	1.24E-07	1.19E-07	0.00E+00	0.00E+00	5.42E-08	1.00E-08	6.48E-08	9.99E-09	9.19E-09	1.48E-07
4777	477363.09	3861377.25	4.86E-04	4.97E-04	4.72E-04	1.68E-07	5.08E-07	2.94E-07	2.94E-07	2.73E-07	1.24E-07	1.18E-07	0.00E+00	0.00E+00	5.41E-08	9.99E-09	6.48E-08	9.99E-09	9.15E-09	1.48E-07
4778	477863.09	3861377.25	3.98E-04	4.07E-04	3.81E-04	1.38E-07	4.16E-07	2.41E-07	2.41E-07	2.23E-07	1.02E-07	9.54E-08	0.00E+00	0.00E+00	4.43E-08	8.17E-09	5.31E-08	8.19E-09	7.39E-09	1.21E-07
4779	478363.09	3861377.25	2.52E-04	2.58E-04	2.41E-04	8.71E-08	2.63E-07	1.52E-07	1.52E-07	1.41E-07	6.45E-08	6.02E-08	0.00E+00	0.00E+00	2.80E-08	5.17E-09	3.36E-08	5.18E-09	4.66E-09	7.66E-08
4780	478863.09	3861377.25	3.06E-04	3.13E-04	2.92E-04	1.06E-07	3.20E-07	1.85E-07	1.85E-07	1.72E-07	7.84E-08	7.32E-08	0.00E+00	0.00E+00	3.40E-08	6.28E-09	4.08E-08	6.30E-09	5.67E-09	9.31E-08
4781	479363.09	3861377.25	5.84E-04	5.96E-04	5.70E-04	2.02E-07	6.10E-07	3.53E-07	3.53E-07	3.27E-07	1.49E-07	1.43E-07	0.00E+00	0.00E+00	6.50E-08	1.20E-08	7.77E-08	1.20E-08	1.10E-08	1.78E-07
4782	479863.09	3861377.25	7.98E-04	8.11E-04	7.91E-04	2.76E-07	8.34E-07	4.83E-07	4.83E-07	4.45E-07	2.03E-07	1.98E-07	0.00E+00	0.00E+00	8.88E-08	1.64E-08	1.06E-07	1.63E-08	1.53E-08	2.43E-07
4783	480363.09	3861377.25	9.96E-04	1.01E-03	9.97E-04	3.45E-07	1.04E-06	6.03E-07	6.03E-07	5.54E-07	2.53E-07	2.50E-07	0.00E+00	0.00E+00	1.11E-07	2.05E-08	1.32E-07	2.03E-08	1.93E-08	3.03E-07
4784	480863.09	3861377.25	1.12E-03	1.13E-03	1.12E-03	3.87E-07	1.17E-06	6.77E-07	6.77E-07	6.22E-07	2.84E-07	2.81E-07	0.00E+00	0.00E+00	1.25E-07	2.30E-08	1.48E-07	2.28E-08	2.18E-08	3.40E-07
4785	481363.09	3861377.25	1.24E-03	1.25E-03	1.24E-03	4.29E-07	1.29E-06	7.49E-07	7.49E-07	6.88E-07	3.14E-07	3.11E-07	0.00E+00	0.00E+00	1.38E-07	2.54E-08	1.64E-07	2.52E-08	2.41E-08	3.76E-07
4786	481863.09	3861377.25	1.34E-03	1.35E-03	1.34E-03	4.62E-07	1.40E-06	8.08E-07	8.08E-07	7.43E-07	3.39E-07	3.36E-07	0.00E+00	0.00E+00	1.49E-07	2.74E-08	1.76E-07	2.72E-08	2.60E-08	4.06E-07
4787	482363.09	3861377.25	1.44E-03	1.46E-03	1.45E-03	4.99E-07	1.51E-06	8.72E-07	8.72E-07	8.01E-07	3.65E-07	3.63E-07	0.00E+00	0.00E+00	1.60E-07	2.96E-08	1.90E-07	2.93E-08	2.81E-08	4.38E-07
4788	482863.09	3861377.25	1.56E-03	1.57E-03	1.57E-03	5.38E-07	1.63E-06	9.41E-07	9.41E-07	8.64E-07	3.94E-07	3.92E-07	0.00E+00	0.00E+00	1.73E-07	3.19E-08	2.05E-07	3.17E-08	3.04E-08	4.72E-07
4789	483363.09	3861377.25	1.68E-03	1.70E-03	1.70E-03	5.81E-07	1.76E-06	1.02E-06	1.02E-06	9.33E-07	4.26E-07	4.24E-07	0.00E+00	0.00E+00	1.87E-07	3.45E-08	2.22E-07	3.42E-08	3.29E-08	5.10E-07
4790	483863.09	3861377.25	1.83E-03	1.85E-03	1.85E-03	6.34E-07	1.91E-06	1.11E-06	1.11E-06	1.02E-06	4.63E-07	4.64E-07	0.00E+00	0.00E+00	2.04E-07	3.76E-08	2.41E-07	3.72E-08	3.59E-08	5.56E-07
4791	484363.09	3861377.25	2.00E-03	2.02E-03	2.03E-03	6.92E-07	2.09E-06	1.21E-06	1.21E-06	1.11E-06	5.06E-07	5.08E-07	0.00E+00	0.00E+00	2.23E-07	4.11E-08	2.63E-07	4.06E-08	3.94E-08	6.07E-07
4792	484863.09	3861377.25	2.26E-03	2.28E-03	2.31E-03	7.83E-07	2.36E-06	1.37E-06	1.37E-06	1.25E-06	5.71E-07	5.79E-07	0.00E+00	0.00E+00	2.52E-07	4.65E-08	2.97E-07	4.59E-08	4.48E-08	6.86E-07
4793	485363.09	3861377.25	2.49E-03	2.51E-03	2.56E-03	8.62E-07	2.60E-06	1.51E-06	1.51E-06	1.38E-06	6.28E-07	6.40E-07	0.00E+00	0.00E+00	2.77E-07	5.12E-08	3.27E-07	5.05E-08	4.96E-08	7.56E-07
4794	485863.09	3861377.25	2.77E-03	2.79E-03	2.85E-03	9.58E-07	2.89E-06	1.67E-06	1.67E-06	1.53E-06	6.97E-07	7.13E-07	0.00E+00	0.00E+00	3.08E-07	5.68E-08	3.63E-07	5.60E-08	5.52E-08	8.39E-07
4795	486363.09	3861377.25	3.05E-03	3.07E-03	3.15E-03	1.06E-06	3.19E-06	1.85E-06	1.85E-06	1.68E-06	7.68E-07	7.89E-07	0.00E+00	0.00E+00	3.40E-07	6.27E-08	4.00E-07	6.17E-08	6.11E-08	9.25E-07
4796	486863.09	3861377.25	3.42E-03	3.44E-03	3.54E-03	1.18E-06	3.57E-06	2.07E-06	2.07E-06	1.89E-06	8.60E-07	8.86E-07	0.00E+00	0.00E+00	3.81E-07	7.02E-08	4.48E-07	6.91E-08	6.86E-08	1.04E-06
4797	487363.09	3861377.25	3.86E-03	3.88E-03	4.01E-03	1.34E-06	4.04E-06	2.34E-06	2.34E-06	2.13E-06	9.72E-07	1.00E-06	0.00E+00	0.00E+00	4.30E-07	7.94E-08	5.06E-07	7.80E-08	7.77E-08	1.17E-06
4798	487863.09	3861377.25	4.16E-03	4.17E-03	4.32E-03	1.44E-06	4.34E-06	2.51E-06	2.51E-06	2.29E-06	1.04E-06	1.08E-06	0.00E+00	0.00E+00	4.63E-07	8.54E-08	5.44E-07	8.39E-08	8.37E-08	1.26E-06
4799	488363.09	3861377.25	4.24E-03	4.25E-03	4.40E-03	1.47E-06	4.43E-06	2.56E-06	2.56E-06	2.33E-06	1.06E-06	1.10E-06	0.00E+00	0.00E+00	4.72E-07	8.70E-08	5.54E-07	8.55E-08	8.53E-08	1.28E-06
4800	488863.09	3861377.25	4.40E-03	4.42E-03	4.58E-03	1.52E-06	4.60E-06	2.66E-06	2.66E-06	2.43E-06	1.11E-06	1.15E-06	0.00E+00	0.00E+00	4.90E-07	9.04E-08	5.76E-07	8.89E-08	8.87E-08	1.33E-06
4801	489363.09	3861377.25	4.51E-03	4.53E-03	4.69E-03	1.56E-06	4.72E-06	2.73E-06	2.73E-06	2.49E-06	1.13E-06	1.17E-06	0.00E+00	0.00E+00	5.02E-07	9.27E-08	5.91E-07	9.11E-08	9.09E-08	1.37E-06
4802	489863.09	3861377.25	4.57E-03	4.60E-03	4.75E-03	1.58E-06	4.78E-06	2.77E-06	2.77E-06	2.52E-06	1.15E-06	1.19E-06	0.00E+00	0.00E+00	5.09E-07	9.40E-08	5.99E-07	9.23E-08	9.21E-08	1.39E-06
4803	490363.09	3861377.25	4.48E-03	4.50E-03	4.65E-03	1.55E-06	4.68E-06	2.71E-06	2.71E-06	2.47E-06	1.13E-06	1.16E-06	0.00E+00	0.00E+00	4.99E-07	9.20E-08	5.86E-07	9.04E-08	9.02E-08	1.36E-06
4804	490863.09	3861377.25	4.38E-03	4.40E-03	4.54E-03	1.52E-06	4.58E-06	2.65E-06	2.65E-06	2.41E-06	1.10E-06	1.14E-06	0.00E+00	0.00E+00	4.87E-07	8.99E-08	5.73E-07	8.84E-08	8.81E-08	1.33E-06
4805	491363.09	3861377.25	4.20E-03	4.22E-03	4.35E-03	1.45E-06	4.39E-06	2.54E-06	2.54E-06	2.31E-06	1.06E-06	1.09E-06	0.00E+00	0.00E+00	4.67E-07	8.62E-08	5.50E-07	8.48E-08	8.43E-08	1.27E-06
4806	491863.09	3861377.25	4.01E-03	4.03E-03	4.15E-03	1.39E-06	4.19E-06	2.43E-06	2.43E-06	2.21E-06	1.01E-06	1.04E-06	0.00E+00	0.00E+00	4.46E-07	8.23E-08	5.25E-07	8.10E-08	8.05E-08	1.22E-06
4807	492363.09	3861377.25	3.82E-03	3.84E-03	3.96E-03	1.32E-06	4.00E-06	2.31E-06	2.31E-06	2.11E-06	9.62E-07	9.91E-07	0.00E+00	0.00E+00	4.26E-07	7.85E-08	5.01E-07	7.72E-08	7.68E-08	1.16E-06
4808	492863.09	3861377.25	3.62E-03	3.63E-03	3.74E-03	1.25E-06	3.78E-06	2.19E-06	2.19E-06	1.99E-06	9.10E-07	9.37E-07	0.00E+00	0.00E+00	4.02E-07	7.42E-08	4.74E-07	7.30E-08	7.26E-08	1.10E-06
4809	493363.09	3861377.25	3.41E-03	3.43E-03	3.53E-03	1.18E-06	3.57E-06	2.07E-06	2.07E-06	1.88E-06	8.59E-07	8.84E-07	0.00E+00	0.00E+00	3.80E-07	7.01E-08	4.47E-07	6.90E-08	6.84E-08	1.03E-06
4810	493863.09	3861377.25	3.21E-03	3.23E-03	3.32E-03	1.11E-06	3.36E-06	1.94E-06	1.94E-06	1.77E-06	8.09E-07	8.31E-07	0.00E+00	0.00E+00	3.58E-07	6.60E-08	4.21E-07	6.50E-08	6.43E-08	9.75E-07
4811	494363.09	3861377.25	3.04E-03	3.06E-03	3.13E-03	1.05E-06	3.17E-06	1.84E-06	1.84E-06	1.68E-06	7.65E-07	7.84E-07	0.00E+00	0.00E+00	3.38E-07	6.24E-08	3.98E-07	6.14E-08	6.07E-08	9.21E-07
4812	494863.09	3861377.25	2.88E-03	2.90E-03	2.96E-03	9.98E-07	3.01E-06	1.74E-06	1.74E-06	1.59E-06	7.27E-07	7.42E-07	0.00E+00	0.00E+00	3.21E-07	5.92E-08	3.78E-07	5.84E-08	5.75E-08	8.74E-07
4813	495363.09	3861377.25	2.74E-03	2.76E-03	2.81E-03	9.48E-07	2.86E-06	1.66E-06	1.66E-06	1.51E-06	6.91E-07	7.03E-07	0.00E+00	0.00E+00	3.05E-07	5.62E-08	3.60E-07	5.55E-08	5.45E-08	8.31E-07
4814	495863.09	3861377.25	2.60E-03	2.62E-03	2.66E-03	9.00E-07	2.72E-06	1.57E-06	1.57E-06	1.44E-06	6.56E-07	6.66E-07	0.00E+00	0.00E+00	2.89E-07	5.34E-08	3.42E-07	5.27E-08	5.16E-08	7.88E-07
4815	496363.09	3861377.25	2.50E-03	2.52E-03	2.55E-03	8.64E-07	2.61E-06	1.51E-06	1.51E-06	1.38E-06	6.30E-07	6.39E-07	0.00E+00	0.00E+00	2.78E-07	5.13E-08	3.28E-07	5.06E-08	4.95E-08	7.58E-07
4816	496863.09	3861377.25	2.40E-03	2.42E-03	2.45E-03	8.29E-07	2.50E-06	1.45E-06	1.45E-06	1.33E-06	6.05E-07	6.13E-07	0.00E+00	0.00E+00	2.67E-07	4.92E-08	3.15E-07	4.86E-08	4.74E-08	7.27E-07
4817	497363.09	3861377.25	2.28E-03	2.30E-03	2.33E-03	7.89E-07	2.38E-06	1.38E-06	1.38E-06	1.26E-06	5.76E-07	5.82E-07	0.00E+00	0.00E+00	2.54E-07	4.68E-08	3.00E-07	4.62E-08	4.51E-08	6.92E-07
4818	497863.09	3861377.25	2.18E-03	2.20E-03	2.22E-03	7.53E-07	2.27E-06	1.32E-06	1.32E-06	1.20E-06	5.50E-07	5.55E-07	0.00E+00	0.00E+00	2.42E-07	4.47E-08	2.86E-07	4.41E-08	4.30E-08	6.60E-07
4819	498363.09	3861377.25	2.07E-03	2.09E-03	2.11E-03	7.17E-07	2.16E-06	1.25E-06	1.25E-06	1.15E-06	5.23E-07	5.28E-07	0.00E+00	0.00E+00	2.30E-07	4.25E-08	2.72E-07	4.20E-08	4.09E-08	6.28E-07
4820	471363.09	3861877.25	3.50E-04	3.56E-04	3.44E-04	1.21E-07	3.66E-07	2.12E-07	2.12E-07	1.95E-07	8.92E-08	8.62E-08	0.00E+00	0.00E+00	3.89E-08	7.19E-09	4.64E-08	7.16E-09	6.67E-09	1.06E-07
4821	471863.09	3861877.25	3.66E-04	3.73E-04	3.60E-04	1.27E-07	3.83E-07	2.22E-07	2.22E-07	2.05E-07	9.34E-08	9.02E-08	0.00E+00	0.00E+00	4.08E-08	7.52E-09	4.86E-08	7.50E-09	6.98E-09	1.11E-07
4822	472363.09	3861877.25	3.84E-04	3.91E-04	3.78E-04	1.33E-07	4.02E-07	2.32E-07	2.32E-07	2.15E-07	9.80E-08	9.45E-08	0.00E+00	0.00E+00	4.28E-08	7.89E-09	5.10E-08	7.87E-09	7.32E-09	1.17E-07
4823	472863.09	3861877.25	4.05E-04	4.12E-04	3.98E-04	1.40E-07	4.23E-07	2.45E-07	2.45E-07	2.26E-07	1.03E-07	9.97E-08	0.00E+00	0.00E+00	4.50E-08	8.31E-09	5.37E-08	8.28E-09	7.72E-09	1.23E-07

4824	473363.09	3861877.25	4.25E-04	4.33E-04	4.19E-04	1.47E-07	4.44E-07	2.57E-07	2.57E-07	2.37E-07	1.08E-07	1.05E-07	0.00E+00	0.00E+00	4.73E-08	8.73E-09	5.64E-08	8.70E-09	8.11E-09	1.29E-07
4825	473863.09	3861877.25	4.43E-04	4.51E-04	4.36E-04	1.53E-07	4.63E-07	2.68E-07	2.68E-07	2.47E-07	1.13E-07	1.09E-07	0.00E+00	0.00E+00	4.93E-08	9.09E-09	5.87E-08	9.06E-09	8.46E-09	1.35E-07
4826	474363.09	3861877.25	4.63E-04	4.72E-04	4.57E-04	1.60E-07	4.84E-07	2.80E-07	2.80E-07	2.59E-07	1.18E-07	1.14E-07	0.00E+00	0.00E+00	5.16E-08	9.52E-09	6.15E-08	9.48E-09	8.87E-09	1.41E-07
4827	474863.09	3861877.25	4.80E-04	4.89E-04	4.74E-04	1.66E-07	5.02E-07	2.91E-07	2.91E-07	2.68E-07	1.22E-07	1.19E-07	0.00E+00	0.00E+00	5.35E-08	9.87E-09	6.37E-08	9.83E-09	9.19E-09	1.46E-07
4828	475363.09	3861877.25	5.01E-04	5.10E-04	4.95E-04	1.73E-07	5.24E-07	3.03E-07	3.03E-07	2.80E-07	1.28E-07	1.24E-07	0.00E+00	0.00E+00	5.58E-08	1.03E-08	6.64E-08	1.02E-08	9.59E-09	1.52E-07
4829	475863.09	3861877.25	5.28E-04	5.37E-04	5.22E-04	1.83E-07	5.52E-07	3.19E-07	3.19E-07	2.95E-07	1.34E-07	1.31E-07	0.00E+00	0.00E+00	5.88E-08	1.08E-08	7.00E-08	1.08E-08	1.01E-08	1.60E-07
4830	476363.09	3861877.25	5.46E-04	5.55E-04	5.40E-04	1.89E-07	5.71E-07	3.30E-07	3.30E-07	3.05E-07	1.39E-07	1.35E-07	0.00E+00	0.00E+00	6.08E-08	1.12E-08	7.24E-08	1.12E-08	1.05E-08	1.66E-07
4831	476863.09	3861877.25	5.48E-04	5.57E-04	5.40E-04	1.90E-07	5.72E-07	3.31E-07	3.31E-07	3.06E-07	1.39E-07	1.35E-07	0.00E+00	0.00E+00	6.09E-08	1.12E-08	7.26E-08	1.12E-08	1.05E-08	1.66E-07
4832	477363.09	3861877.25	5.39E-04	5.48E-04	5.30E-04	1.86E-07	5.63E-07	3.26E-07	3.26E-07	3.01E-07	1.37E-07	1.33E-07	0.00E+00	0.00E+00	5.99E-08	1.11E-08	7.15E-08	1.10E-08	1.03E-08	1.64E-07
4833	477863.09	3861877.25	4.13E-04	4.21E-04	4.00E-04	1.43E-07	4.31E-07	2.50E-07	2.50E-07	2.31E-07	1.05E-07	1.00E-07	0.00E+00	0.00E+00	4.59E-08	8.47E-09	5.49E-08	8.47E-09	7.74E-09	1.26E-07
4834	478363.09	3861877.25	2.08E-04	2.12E-04	1.99E-04	7.19E-08	2.17E-07	1.26E-07	1.26E-07	1.17E-07	5.32E-08	4.99E-08	0.00E+00	0.00E+00	2.31E-08	4.26E-09	2.77E-08	4.27E-09	3.86E-09	6.32E-08
4835	478863.09	3861877.25	3.28E-04	3.35E-04	3.14E-04	1.13E-07	3.42E-07	1.98E-07	1.98E-07	1.84E-07	8.40E-08	7.87E-08	0.00E+00	0.00E+00	3.65E-08	6.73E-09	4.37E-08	6.74E-09	6.09E-09	9.98E-08
4836	479363.09	3861877.25	3.01E-04	3.09E-04	2.88E-04	1.04E-07	3.15E-07	1.82E-07	1.82E-07	1.69E-07	7.73E-08	7.21E-08	0.00E+00	0.00E+00	3.36E-08	6.19E-09	4.03E-08	6.21E-09	5.58E-09	9.18E-08
4837	479863.09	3861877.25	7.51E-04	7.63E-04	7.45E-04	2.60E-07	7.84E-07	4.54E-07	4.54E-07	4.18E-07	1.91E-07	1.86E-07	0.00E+00	0.00E+00	8.35E-08	1.54E-08	9.94E-08	1.53E-08	1.44E-08	2.28E-07
4838	480363.09	3861877.25	9.56E-04	9.69E-04	9.59E-04	3.31E-07	9.99E-07	5.78E-07	5.78E-07	5.32E-07	2.43E-07	2.40E-07	0.00E+00	0.00E+00	1.06E-07	1.96E-08	1.26E-07	1.95E-08	1.86E-08	2.90E-07
4839	480863.09	3861877.25	1.05E-03	1.07E-03	1.06E-03	3.64E-07	1.10E-06	6.36E-07	6.36E-07	5.84E-07	2.67E-07	2.64E-07	0.00E+00	0.00E+00	1.17E-07	2.16E-08	1.39E-07	2.14E-08	2.05E-08	3.19E-07
4840	481363.09	3861877.25	1.14E-03	1.15E-03	1.14E-03	3.94E-07	1.19E-06	6.88E-07	6.88E-07	6.32E-07	2.89E-07	2.86E-07	0.00E+00	0.00E+00	1.27E-07	2.34E-08	1.50E-07	2.32E-08	2.22E-08	3.46E-07
4841	481863.09	3861877.25	1.21E-03	1.23E-03	1.22E-03	4.19E-07	1.27E-06	7.32E-07	7.32E-07	6.73E-07	3.07E-07	3.05E-07	0.00E+00	0.00E+00	1.35E-07	2.49E-08	1.60E-07	2.46E-08	2.36E-08	3.68E-07
4842	482363.09	3861877.25	1.30E-03	1.31E-03	1.31E-03	4.49E-07	1.36E-06	7.85E-07	7.85E-07	7.21E-07	3.29E-07	3.27E-07	0.00E+00	0.00E+00	1.44E-07	2.66E-08	1.71E-07	2.64E-08	2.53E-08	3.94E-07
4843	482863.09	3861877.25	1.39E-03	1.41E-03	1.41E-03	4.83E-07	1.46E-06	8.44E-07	8.44E-07	7.75E-07	3.53E-07	3.52E-07	0.00E+00	0.00E+00	1.55E-07	2.86E-08	1.84E-07	2.84E-08	2.73E-08	4.24E-07
4844	483363.09	3861877.25	1.50E-03	1.52E-03	1.52E-03	5.19E-07	1.57E-06	9.08E-07	9.08E-07	8.33E-07	3.80E-07	3.79E-07	0.00E+00	0.00E+00	1.67E-07	3.08E-08	1.98E-07	3.05E-08	2.94E-08	4.55E-07
4845	483863.09	3861877.25	1.61E-03	1.62E-03	1.63E-03	5.56E-07	1.68E-06	9.72E-07	9.72E-07	8.91E-07	4.07E-07	4.07E-07	0.00E+00	0.00E+00	1.79E-07	3.30E-08	2.12E-07	3.27E-08	3.15E-08	4.88E-07
4846	484363.09	3861877.25	1.74E-03	1.76E-03	1.77E-03	6.02E-07	1.82E-06	1.05E-06	1.05E-06	9.64E-07	4.40E-07	4.43E-07	0.00E+00	0.00E+00	1.94E-07	3.57E-08	2.29E-07	3.53E-08	3.43E-08	5.28E-07
4847	484863.09	3861877.25	1.89E-03	1.91E-03	1.93E-03	6.55E-07	1.98E-06	1.14E-06	1.14E-06	1.05E-06	4.78E-07	4.83E-07	0.00E+00	0.00E+00	2.11E-07	3.88E-08	2.49E-07	3.84E-08	3.74E-08	5.74E-07
4848	485363.09	3861877.25	2.04E-03	2.06E-03	2.09E-03	7.06E-07	2.13E-06	1.23E-06	1.23E-06	1.13E-06	5.15E-07	5.23E-07	0.00E+00	0.00E+00	2.27E-07	4.19E-08	2.68E-07	4.13E-08	4.05E-08	6.19E-07
4849	485863.09	3861877.25	2.16E-03	2.18E-03	2.22E-03	7.49E-07	2.26E-06	1.31E-06	1.31E-06	1.20E-06	5.46E-07	5.57E-07	0.00E+00	0.00E+00	2.41E-07	4.44E-08	2.84E-07	4.38E-08	4.31E-08	6.56E-07
4850	486363.09	3861877.25	2.32E-03	2.34E-03	2.39E-03	8.04E-07	2.43E-06	1.41E-06	1.41E-06	1.28E-06	5.86E-07	5.99E-07	0.00E+00	0.00E+00	2.59E-07	4.77E-08	3.05E-07	4.70E-08	4.64E-08	7.05E-07
4851	486863.09	3861877.25	2.51E-03	2.53E-03	2.59E-03	8.70E-07	2.63E-06	1.52E-06	1.52E-06	1.39E-06	6.33E-07	6.49E-07	0.00E+00	0.00E+00	2.80E-07	5.16E-08	3.30E-07	5.08E-08	5.03E-08	7.62E-07
4852	487363.09	3861877.25	2.70E-03	2.72E-03	2.79E-03	9.35E-07	2.82E-06	1.63E-06	1.63E-06	1.49E-06	6.80E-07	6.99E-07	0.00E+00	0.00E+00	3.01E-07	5.55E-08	3.54E-07	5.46E-08	5.41E-08	8.19E-07
4853	487863.09	3861877.25	2.78E-03	2.79E-03	2.87E-03	9.61E-07	2.90E-06	1.68E-06	1.68E-06	1.53E-06	6.99E-07	7.18E-07	0.00E+00	0.00E+00	3.09E-07	5.70E-08	3.64E-07	5.61E-08	5.56E-08	8.42E-07
4854	488363.09	3861877.25	2.73E-03	2.75E-03	2.83E-03	9.47E-07	2.86E-06	1.65E-06	1.65E-06	1.51E-06	6.88E-07	7.08E-07	0.00E+00	0.00E+00	3.04E-07	5.62E-08	3.58E-07	5.53E-08	5.48E-08	8.29E-07
4855	488863.09	3861877.25	2.75E-03	2.77E-03	2.84E-03	9.52E-07	2.87E-06	1.66E-06	1.66E-06	1.52E-06	6.92E-07	7.11E-07	0.00E+00	0.00E+00	3.06E-07	5.65E-08	3.60E-07	5.56E-08	5.51E-08	8.33E-07
4856	489363.09	3861877.25	2.82E-03	2.83E-03	2.91E-03	9.75E-07	2.94E-06	1.70E-06	1.70E-06	1.55E-06	7.09E-07	7.29E-07	0.00E+00	0.00E+00	3.14E-07	5.78E-08	3.69E-07	5.69E-08	5.64E-08	8.54E-07
4857	489863.09	3861877.25	2.89E-03	2.90E-03	2.99E-03	1.00E-06	3.02E-06	1.75E-06	1.75E-06	1.59E-06	7.27E-07	7.47E-07	0.00E+00	0.00E+00	3.21E-07	5.93E-08	3.79E-07	5.84E-08	5.79E-08	8.76E-07
4858	490363.09	3861877.25	2.88E-03	2.90E-03	2.98E-03	9.99E-07	3.01E-06	1.75E-06	1.75E-06	1.59E-06	7.26E-07	7.46E-07	0.00E+00	0.00E+00	3.21E-07	5.92E-08	3.78E-07	5.83E-08	5.78E-08	8.75E-07
4859	490863.09	3861877.25	2.84E-03	2.86E-03	2.94E-03	9.84E-07	2.97E-06	1.72E-06	1.72E-06	1.57E-06	7.16E-07	7.35E-07	0.00E+00	0.00E+00	3.16E-07	5.84E-08	3.73E-07	5.75E-08	5.69E-08	8.62E-07
4860	491363.09	3861877.25	2.84E-03	2.85E-03	2.93E-03	9.81E-07	2.96E-06	1.72E-06	1.72E-06	1.56E-06	7.14E-07	7.33E-07	0.00E+00	0.00E+00	3.16E-07	5.82E-08	3.72E-07	5.73E-08	5.67E-08	8.60E-07
4861	491863.09	3861877.25	2.83E-03	2.85E-03	2.92E-03	9.80E-07	2.96E-06	1.71E-06	1.71E-06	1.56E-06	7.13E-07	7.31E-07	0.00E+00	0.00E+00	3.15E-07	5.82E-08	3.72E-07	5.73E-08	5.66E-08	8.59E-07
4862	492363.09	3861877.25	2.76E-03	2.78E-03	2.84E-03	9.55E-07	2.88E-06	1.67E-06	1.67E-06	1.52E-06	6.95E-07	7.12E-07	0.00E+00	0.00E+00	3.07E-07	5.66E-08	3.62E-07	5.58E-08	5.51E-08	8.36E-07
4863	492863.09	3861877.25	2.69E-03	2.71E-03	2.78E-03	9.33E-07	2.82E-06	1.63E-06	1.63E-06	1.49E-06	6.79E-07	6.96E-07	0.00E+00	0.00E+00	3.00E-07	5.53E-08	3.53E-07	5.45E-08	5.39E-08	8.17E-07
4864	493363.09	3861877.25	2.63E-03	2.64E-03	2.71E-03	9.09E-07	2.74E-06	1.59E-06	1.59E-06	1.45E-06	6.61E-07	6.78E-07	0.00E+00	0.00E+00	2.92E-07	5.39E-08	3.44E-07	5.31E-08	5.25E-08	7.96E-07
4865	493863.09	3861877.25	2.54E-03	2.56E-03	2.62E-03	8.79E-07	2.65E-06	1.54E-06	1.54E-06	1.40E-06	6.40E-07	6.56E-07	0.00E+00	0.00E+00	2.83E-07	5.22E-08	3.33E-07	5.14E-08	5.08E-08	7.70E-07
4866	494363.09	3861877.25	2.44E-03	2.46E-03	2.52E-03	8.46E-07	2.55E-06	1.48E-06	1.48E-06	1.35E-06	6.15E-07	6.30E-07	0.00E+00	0.00E+00	2.72E-07	5.02E-08	3.20E-07	4.94E-08	4.88E-08	7.41E-07
4867	494863.09	3861877.25	2.36E-03	2.37E-03	2.43E-03	8.16E-07	2.46E-06	1.43E-06	1.43E-06	1.30E-06	5.94E-07	6.07E-07	0.00E+00	0.00E+00	2.62E-07	4.84E-08	3.09E-07	4.77E-08	4.70E-08	7.15E-07
4868	495363.09	3861877.25	2.26E-03	2.28E-03	2.33E-03	7.84E-07	2.37E-06	1.37E-06	1.37E-06	1.25E-06	5.71E-07	5.82E-07	0.00E+00	0.00E+00	2.52E-07	4.65E-08	2.97E-07	4.59E-08	4.51E-08	6.87E-07
4869	495863.09	3861877.25	2.18E-03	2.19E-03	2.23E-03	7.53E-07	2.27E-06	1.32E-06	1.32E-06	1.20E-06	5.49E-07	5.58E-07	0.00E+00	0.00E+00	2.42E-07	4.47E-08	2.86E-07	4.41E-08	4.32E-08	6.60E-07
4870	496363.09	3861877.25	2.10E-03	2.12E-03	2.15E-03	7.27E-07	2.20E-06	1.27E-06	1.27E-06	1.16E-06	5.31E-07	5.38E-07	0.00E+00	0.00E+00	2.34E-07	4.32E-08	2.76E-07	4.26E-08	4.16E-08	6.38E-07
4871	496863.09	3861877.25	2.06E-03	2.08E-03	2.10E-03	7.12E-07	2.15E-06	1.24E-06	1.24E-06	1.14E-06	5.20E-07	5.25E-07	0.00E+00	0.00E+00	2.29E-07	4.23E-08	2.71E-07	4.17E-08	4.07E-08	6.24E-07
4872	497363.09	3861877.25	1.98E-03	2.00E-03	2.02E-03	6.86E-07	2.07E-06	1.20E-06	1.20E-06	1.10E-06	5.01E-07	5.06E-07	0.00E+00	0.00E+00	2.21E-07	4.07E-08	2.61E-07	4.02E-08	3.92E-08	6.01E-07
4873	497863.09	3861877.25	1.90E-03	1.92E-03	1.94E-03	6.57E-07	1.98E-06	1.15E-06	1.15E-06	1.05E-06	4.80E-07	4.84E-07	0.00E+00	0.00E+00	2.11E-07	3.90E-08	2.50E-07	3.85E-08	3.75E-08	5.76E-07
4874	498363.09	3861877.25	1.83E-03	1.84E-03	1.86E-03	6.32E-07	1.91E-06	1.11E-06	1.11E-06	1.01E-06	4.62E-07	4.66E-07	0.00E+00	0.00E+00	2.03E-07	3.75E-08	2.40E-07	3.71E-08	3.61E-08	5.54E-07
4875	471363.09	3862377.25	3.49E-04	3.55E-04	3.43E-04	1.21E-07	3.65E-07	2.11E-07	2.11E-07	1.95E-07	8.89E-08	8.59E-08	0.00E+00	0.00E+00	3.88E-08	7.16E-09	4.63E-08	7.14E-09	6.65E-09	1.06E-07
4876	471863.09	3862377.25	3.63E-04	3.70E-04	3.58E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.03E-07	9.26E-08	8.95E-08	0.00E+00	0.00E+00	4.05E-08	7.46E-09	4.82E-08	7.44E-09	6.93E-09	1.11E-07
4877	472363.09	3862377.25	3.81E-04	3.88E-04	3.76E-04	1.32E-07	3.99E-07	2.31E-07	2.31E-07	2.13E-07	9.72E-08	9.41E-08	0.00E+00	0.00E+00	4.25E-08	7.83E-09	5.06E-08	7.80E-09	7.29E-09	1.16E-07
4878	472863.09	3862377.25	3.99E-04	4.06E-04	3.94E-04	1.38E-07	4.17E-07	2.42E-07	2.42E-07	2.23E-07	1.02E-07	9.86E-08	0.00E+00	0.00E+00	4.44E-08	8.20E-09	5.29E-08	8.16E-09	7.64E-09	1.21E-07
4879	473363.09	3862377.25	4.17E-04	4.24E-04	4.12E-04	1.44E-07	4.35E-07	2.52E-07	2.52E-07	2.32E-07	1.06E-07	1.03E-07	0.00E+00	0.00E+00	4.64E-08	8.56E-09	5.52E-08	8.52E-09	7.98E-09	1.27E-07
4880	473863.09	3862377.25	4.33E-04	4.41E-04	4.29E-04	1.50E-07	4.53E-07	2.62E-07	2.62E-07	2.42E-07	1.10E-07	1.07E-07	0.00E+00	0.00E+00	4.82E-08	8.90E-09	5.74E-08	8.86E-09	8.31E-09	1.32E-07
4881	474363.09	3862377.25	4.48E-04	4.55E-04	4.43E-04	1.55E-07	4.68E-07	2.71E-07	2.71E-07	2.50E-07	1.14E-07	1.11E-07	0.00E+00	0.00E+00	4.98E-08	9.20E-09	5.94E-08	9.15E-09	8.58E-09	1.36E-07
4882	474863.09	3862377.25	4.59E-04	4.67E-04	4.54E-04	1.59E-07	4.80E-07	2.78E-07	2.78E-07	2.56E-07	1.17E-07	1.14E-07	0.00E+00	0.00E+00	5.11E-08	9.43E-09	6.09E-08	9.39E-09	8.80E-09	1.40E-07
4883	475363.09	3862377.25	4.87E-04	4.96E-04	4.83E-04	1.69E-07	5.09E-07	2.95E-07	2.95E-07	2.72E-07	1.24E-07	1.21E-07	0.00E+00	0.00E+00	5.43E-08	1.00E-08	6.46E-08	9.96E-09	9.36E-09	1.48E-07
4884	475863.09	3862377.25	5.14E-04	5.22E-04	5.10E-04	1.78E-07	5.37E-07	3.11E-07	3.11E-07	2.86E-07	1.31E-07	1.28E-07	0.00E+00	0.00E+00	5.72E-08	1.06E-08	6.81E-08	1.05E-08	9.88E-09	1.56E-07
4885	476363.09	3862377.25	5.36E-04	5.45E-04	5.33E-04	1.86E-07	5.60E-07	3.24E-07	3.24E-07	2.99E-07	1.36E-07	1.33E-07	0.00E+00	0.00E+00	5.97E-08	1.10E-08	7.10E-08	1.09E-08	1.03E-08	1.63E-07
4886	476863.09	3862377.25	5.55E-04	5.64E-04	5.52E-04	1.92E-07	5.80E-07	3.36E-07	3.36E-07	3.09E-07	1.41E-07	1.38E-07	0.00E+00	0.00E+00	6.18E-08	1.14E-08	7.35E-08	1.13E-08	1.07E-08	1.69E-07
4887	477363.09	3862377.25	5.53E-04	5.62E-04	5.50E-04	1.92E-07	5.78E-07	3.35E-07	3.35E-07	3.08E-07	1.41E-07	1.38E-07	0.00E+00	0.00E+00	6.16E-08	1.14E-08	7.33E-08	1.13E-08	1.07E-08	1.68E-07
4888	477863.09	3862377.25	4.49E-04	4.58E-04	4.40E-04	1.56E-07	4.70E-07	2.72E-07	2.72E-07	2.51E-07	1.15E-07	1.10E-07	0.00E+00	0.00E+00	5.00E-08	9.23E-09	5.97E-08	9.20E-09	8.53E-09	1.37E-07
4889	478363.09	3862377.25	3.47E-04	3.55E-04	3.35E-04	1.20E-07	3.62E-07	2.10E-07	2.10E-07	1.94E-07	8.87E-08	8.38E-08	0.00E+00	0.00E+00	3.86E-08	7.12E-09	4.62E-08	7.12E-09	6.49E-09	1.06E-07
4890	478863.09	3862377.25	3.66E-04	3.75E-04	3.53E-04	1.27E-07	3.83E-07	2.21E-07	2.21E-07	2.05E-07	9.37E-08	8.84E-08	0.00E+00	0.00E+00	4.07E-08	7.52E-09	4.88E-08	7.53E-09	6.84E-09	1.11E-07
4891	479363.09	3862377.25	4.56E-04	4.66E-04	4.43E-04	1.58E-07	4.76E-07	2.76E-07	2.76E-07	2.55E-07	1.17E-07	1.11E-07	0.00E+00	0.00E+00	5.07E-08	9.36E-09	6.07E-08	9.36E-09	8.58E-09	1.39E-07
4892	479863.09	3862377.25	7.57E-04	7.69E-04	7.55E-04	2.62E-07	7.91E-07	4.58E-07	4.58E-07	4.22E-07	1.92E-07	1.89E-07	0.00E+00	0.00E+00	8.43E-08	1.55E-08	1.00E-07	1.54E-08	1.46E-08	2.30E-07
4893	480363.09	3862377.25	9.04E-04	9.16E-04	9.08E-04	3.13E-07	9.45E-07	5.47E-07	5.47E-07	5.02E-07	2.29E-07	2.27E-07	0.00E+00	0.00E+00	1.01E-07	1.86E-08	1.19E-07	1.84E-08	1.76E-08	2.75E-07
4894	480863.09	3862377.25	9.79E-04	9.92E-04	9.84E-04	3.39E-07	1.02E-06	5.92E-07	5.92E-07	5.44E-07	2.48E-07	2.46E-07	0.00E+00	0.00E+00	1.09E-07	2.01E-08	1.29E-07	1.99E-08	1.91E-08	2.97E-07
4895	481363.09	3862377.25	1.05E-03	1.06E-03	1.05E-03	3.62E-07	1.09E-06	6.33E-07	6.33E-07	5.82E-07	2.65E-07	2.63E-07	0.00E+00	0.00E+00	1.17E-07	2.15E-08	1.38E-07	2.13E-08	2.04E-08	3.18E-07
4896	481863.09	3862377.25	1.12E-03	1.13E-03	1.12E-03	3.86E-07	1.17E-06	6.75E-07	6.75E-07	6.20E-07	2.83E-07	2.81E-07	0.00E+00	0.00E+00	1.24E-07	2.29E-08	1.47E-07	2.27E-08	2.18E-08	3.39E-07
4897	482363.09	3862377.25	1.19E-03	1.20E-03	1.20E-03	4.11E-07	1.24E-06	7.18E-07	7.18E-07	6.59E-07	3.01E-07	3.00E-07	0.00E+00	0.00E+00	1.32E-07	2.44E-08	1.57E-07	2.42E-08	2.32E-08	3.61E-07
4898	482863.09	3862377.25	1.25E-03	1.27E-03	1.27E-03	4.34E-07	1.31E-06	7.59E-07	7.59E-07	6.96E-07	3.18E-07	3.17E-07	0.00E+00	0.00E+00	1.40E-07	2.58E-08	1.65E-07	2.55E-08	2.45E-08	3.81E-07
4899	483363.09	3862377.25	1.31E-03	1.33E-03	1.33E-03	4.54E-07	1.37E-06	7.94E-07	7.94E-07	7.28E-07	3.32E-07	3.32E-07	0.00E+00	0.00E+00	1.46E-07	2.69E-08	1.73E-07	2.67E-08	2.57E-08	3.98E-07
4900	483863.09	3862377.25	1.40E-03	1.41E-03	1.42E-03	4.84E-07	1.46E-06	8.46E-07	8.46E-07	7.75E-07	3.54E-07	3.55E-07	0.00E+00	0.00E+00	1.56E-07	2.87E-08	1.84E-07	2.84E-08	2.75E-08	4.24E-07
4901	484363.09	3862377.25	1.48E-03	1.50E-03	1.51E-03	5.13E-07	1.55E-06	8.96E-07	8.96E-07	8.21E-07	3.75E-07	3.77E-07	0.00E+00	0.00E+00	1.65E-07	3.04E-08	1.95E-07	3.01E-08	2.92E-08	4.50E-07
4902	484863.09	3862377.25	1.56E-03	1.58E-03	1.59E-03	5.41E-07	1.63E-06	9.45E-07	9.45E-07	8.65E-07	3.95E-07	3.98E-07	0.00E+00	0.00E+00	1.74E-07	3.21E-08	2.06E-07	3.17E-08	3.09E-08	4.74E-07
4903	485363.09	3862377.25	1.66E-03	1.67E-03	1.69E-03	5.74E-07	1.73E-06	1.00E-06	1.00E-06	9.17E-07	4.18E-07	4.24E-07	0.00E+00	0.00E+00	1.84E-07	3.40E-08	2.18E-07	3.36E-08	3.28E-08	5.03E-07
4904	485863.09	3862377.25	1.75E-03	1.76E-03	1.80E-03	6.06E-07	1.83E-06	1.06E-06	1.06E-06	9.68E-07	4.42E-07	4.49E-07	0.00E+00	0.00E+00	1.95E-07	3.60E-08	2.30E-07	3.55E-08	3.48E-08	5.31E-07
4905	486363.09	3862377.25	1.86E-03	1.87E-03	1.91E-03	6.44E-07	1.94E-06	1.13E-06	1.13E-06	1.03E-06	4.69E-07	4.79E-07	0.00E+00	0.00E+00	2.07E-07	3.82E-08	2.44E-07	3.77E-08	3.71E-08	5.64E-07
4906	486863.09	3862377.25	1.94E-03	1.95E-03	1.99E-03	6.70E-07	2.02E-06	1.17E-06	1.17E-06	1.07E-06	4.88E-07	4.99E-07	0.00E+00	0.00E+00	2.16E-07	3.98E-08	2.54E-07	3.92E-08	3.86E-08	5.87E-07
4907	487363.09	3862377.25	2.02E-03	2.03E-03	2.08E-03	6.99E-07	2.11E-06	1.22E-06	1.22E-06	1.12E-06	5.09E-07	5.21E-07	0.00E+00	0.00E+00	2.25E-07	4.15E-08	2.65E-07	4.09E-08	4.03E-08	6.13E-07
4908	487863.09	3862377.25	2.05E-03	2.06E-03	2.11E-03	7.09E-07	2.14E-06	1.24E-06	1.24E-06	1.13E-06	5.16E-07	5.27E-07	0.00E+00	0.00E+00	2.28E-07	4.20E-08	2.69E-07	4.14E-08	4.08E-08	6.21E-07
4909	488363.09	3862377.25	1.99E-03	2.00E-03	2.05E-03	6.89E-07	2.08E-06	1.20E-06	1.20E-06	1.10E-06	5.01E-07	5.12E-07	0.00E+00	0.00E+00	2.21E-07	4.09E-08	2.61E-07	4.03E-08	3.97E-08	6.03E-07
4910	488863.09	3862377.25	1.99E-03	2.00E-03	2.05E-03	6.88E-07	2.08E-06	1.20E-06	1.20E-06	1.10E-06	5.01E-07	5.13E-07	0.00E+00	0.00E+00	2.21E-07	4.08E-08	2.61E-07	4.02E-08	3.97E-08	6.03E-07
4911	489363.09	3862377.25	2.04E-03	2.05E-03	2.10E-03	7.05E-07	2.13E-06	1.23E-06	1.23E-06	1.13E-06	5.13E-07	5.25E-07	0.00E+00	0.00E+00	2.27E-07	4.18E-08	2.67E-07	4.12E-08	4.06E-08	6.18E-07
4912	489863.09	3862377.25	2.08E-03	2.10E-03	2.15E-03	7.21E-07	2.18E-06	1.26E-06	1.26E-06	1.15E-06	5.25E-07	5.37E-07	0.00E+00	0.00E+00	2.32E-07	4.28E-08	2.73E-07	4.22E-08	4.16E-08	6.32E-07
4913	490363.09	3862377.25	2.14E-03	2.15E-03	2.20E-03	7.40E-07	2.23E-06	1.29E-06	1.29E-06	1.18E-06	5.39E-07	5.51E-07	0.00E+00	0.00E+00	2.38E-07	4.39E-08	2.81E-07	4.33E-08	4.27E-08	6.48E-07
4914	490863.09	3862377.25	2.14E-03	2.15E-03	2.20E-03	7.40E-07	2.24E-06	1.29E-06	1.29E-06	1.18E-06	5.39E-07	5.51E-07	0.00E+00	0.00E+00	2.38E-07	4.39E-08	2.81E-07	4.33E-08	4.27E-08	6.49E-07
4915	491363.09	3862377.25	2.09E-03	2.11E-03	2.15E-03	7.25E-07	2.19E-06	1.27E-06	1.27E-06	1.16E-06	5.28E-07	5.39E-07	0.00E+00	0.00E+00	2.33E-07	4.30E-08	2.75E-07	4.24E-08	4.17E-08	6.35E-07
4916	491863.09	3862377.25	2.06E-03	2.07E-03	2.12E-03	7.12E-07	2.15E-06	1.25E-06	1.25E-06	1.14E-06	5.19E-07	5.29E-07	0.00E+00	0.00E+00	2.29E-07	4.23E-08	2.70E-07	4.17E-08	4.10E-08	6.24E-07
4917	492363.09	3862377.25	2.07E-03	2.09E-03	2.13E-03	7.18E-07	2.17E-06	1.25E-06	1.25E-06	1.15E-06	5.23E-07	5.33E-07	0.00E+00	0.00E+00	2.31E-07	4.26E-08	2.72E-07	4.20E-08	4.13E-08	6.29E-07
4918	492863.09	3862377.25	2.08E-03	2.09E-03	2.13E-03	7.19E-07	2.17E-06	1.26E-06	1.26E-06	1.15E-06	5.24E-07	5.34E-07	0.00E+00	0.00E+00	2.31E-07	4.27E-08	2.73E-07	4.21E-08	4.13E-08	6.30E-07
4919	493363.09	3862377.25	2.06E-03	2.07E-03	2.11E-03	7.12E-07	2.15E-06	1.24E-06	1.24E-06	1.14E-06	5.18E-07	5.29E-07	0.00E+00	0.00E+00	2.29E-07	4.22E-08	2.70E-07	4.16E-08	4.10E-08	6.24E-07
4920	493863.09	3862377.25	2.02E-03	2.04E-03	2.08E-03	7.01E-07	2.12E-06	1.22E-06	1.22E-06	1.12E-06	5.10E-07	5.21E-07	0.00E+00	0.00E+00	2.25E-07	4.16E-08	2.66E-07	4.10E-08	4.04E-08	6.14E-07
4921	494363.09	3862377.25	1.99E-03	2.00E-03	2.04E-03	6.88E-07	2.08E-06	1.20E-06	1.20E-06	1.10E-06	5.01E-07	5.12E-07	0.00E+00	0.00E+00	2.21E-07	4.08E-08	2.61E-07	4.02E-08	3.96E-08	6.03E-07
4922	494863.09	3862377.25	1.94E-03	1.96E-03	2.00E-03	6.73E-07	2.03E-06	1.18E-06	1.18E-06	1.07E-06	4.90E-07	5.00E-07	0.00E+00	0.00E+00	2.16E-07	3.99E-08	2.55E-07	3.94E-08	3.87E-08	5.90E-07
4923	495363.09	3862377.25	1.88E-03	1.89E-03	1.93E-03	6.49E-07	1.96E-06	1.13E-06	1.13E-06	1.04E-06	4.73E-07	4.82E-07	0.00E+00	0.00E+00	2.09E-07	3.85E-08	2.46E-07	3.80E-08	3.73E-08	5.69E-07
4924	495863.09	3862377.25	1.81E-03	1.83E-03	1.86E-03	6.28E-07	1.90E-06	1.10E-06	1.10E-06	1.00E-06	4.58E-07	4.66E-07	0.00E+00	0.00E+00	2.02E-07	3.73E-08	2.38E-07	3.68E-08	3.61E-08	5.51E-07
4925	496363.09	3862377.25	1.76E-03	1.77E-03	1.80E-03	6.08E-07	1.83E-06	1.06E-06	1.06E-06	9.71E-07	4.43E-07	4.50E-07	0.00E+00	0.00E+00	1.95E-07	3.60E-08	2.31E-07	3.56E-08	3.48E-08	5.33E-07
4926	496863.09	3862377.25	1.72E-03	1.74E-03	1.76E-03	5.95E-07	1.80E-06	1.04E-06	1.04E-06	9.52E-07	4.34E-07	4.40E-07	0.00E+00	0.00E+00	1.91E-07	3.53E-08	2.26E-07	3.49E-08	3.40E-08	5.22E-07
4927	497363.09	3862377.25	1.66E-03	1.68E-03	1.69E-03	5.75E-07	1.74E-06	1.01E-06	1.01E-06	9.20E-07	4.20E-07	4.24E-07	0.00E+00	0.00E+00	1.85E-07	3.41E-08	2.19E-07	3.37E-08	3.28E-08	5.04E-07
4928	497863.09	3862377.25	1.61E-03	1.63E-03	1.64E-03	5.58E-07	1.69E-06	9.76E-07	9.76E-07	8.93E-07	4.08E-07	4.11E-07	0.00E+00	0.00E+00	1.80E-07	3.31E-08	2.12E-07	3.27E-08	3.18E-08	4.90E-07

4929	498363.09	3862377.25	1.56E-03	1.58E-03	1.59E-03	5.40E-07	1.63E-06	9.44E-07	9.44E-07	8.64E-07	3.94E-07	3.97E-07	0.00E+00	0.00E+00	1.74E-07	3.20E-08	2.05E-07	3.17E-08	3.08E-08	4.73E-07
4930	471363.09	3862877.25	3.42E-04	3.49E-04	3.38E-04	1.19E-07	3.58E-07	2.07E-07	2.07E-07	1.91E-07	8.73E-08	8.45E-08	0.00E+00	0.00E+00	3.81E-08	7.03E-09	4.54E-08	7.01E-09	6.54E-09	1.04E-07
4931	471863.09	3862877.25	3.57E-04	3.63E-04	3.53E-04	1.24E-07	3.73E-07	2.16E-07	2.16E-07	1.99E-07	9.10E-08	8.82E-08	0.00E+00	0.00E+00	3.98E-08	7.34E-09	4.74E-08	7.31E-09	6.83E-09	1.09E-07
4932	472363.09	3862877.25	3.73E-04	3.80E-04	3.69E-04	1.29E-07	3.90E-07	2.26E-07	2.26E-07	2.08E-07	9.50E-08	9.23E-08	0.00E+00	0.00E+00	4.15E-08	7.66E-09	4.95E-08	7.63E-09	7.15E-09	1.13E-07
4933	472863.09	3862877.25	3.88E-04	3.94E-04	3.83E-04	1.34E-07	4.05E-07	2.34E-07	2.34E-07	2.16E-07	9.86E-08	9.60E-08	0.00E+00	0.00E+00	4.31E-08	7.96E-09	5.14E-08	7.92E-09	7.43E-09	1.18E-07
4934	473363.09	3862877.25	4.03E-04	4.10E-04	3.99E-04	1.39E-07	4.21E-07	2.44E-07	2.44E-07	2.25E-07	1.03E-07	9.99E-08	0.00E+00	0.00E+00	4.48E-08	8.27E-09	5.34E-08	8.23E-09	7.73E-09	1.22E-07
4935	473863.09	3862877.25	4.19E-04	4.26E-04	4.15E-04	1.45E-07	4.38E-07	2.53E-07	2.53E-07	2.33E-07	1.07E-07	1.04E-07	0.00E+00	0.00E+00	4.66E-08	8.60E-09	5.55E-08	8.56E-09	8.04E-09	1.27E-07
4936	474363.09	3862877.25	4.34E-04	4.41E-04	4.31E-04	1.50E-07	4.54E-07	2.63E-07	2.63E-07	2.42E-07	1.10E-07	1.08E-07	0.00E+00	0.00E+00	4.83E-08	8.92E-09	5.75E-08	8.87E-09	8.34E-09	1.32E-07
4937	474863.09	3862877.25	4.51E-04	4.59E-04	4.48E-04	1.56E-07	4.72E-07	2.73E-07	2.73E-07	2.52E-07	1.15E-07	1.12E-07	0.00E+00	0.00E+00	5.02E-08	9.27E-09	5.98E-08	9.22E-09	8.68E-09	1.37E-07
4938	475363.09	3862877.25	4.74E-04	4.81E-04	4.71E-04	1.64E-07	4.95E-07	2.87E-07	2.87E-07	2.64E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.27E-08	9.73E-09	6.27E-08	9.67E-09	9.13E-09	1.44E-07
4939	475863.09	3862877.25	4.96E-04	5.03E-04	4.94E-04	1.72E-07	5.18E-07	3.00E-07	3.00E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.52E-08	1.02E-08	6.56E-08	1.01E-08	9.57E-09	1.51E-07
4940	476363.09	3862877.25	5.19E-04	5.27E-04	5.19E-04	1.80E-07	5.43E-07	3.14E-07	3.14E-07	2.89E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	5.78E-08	1.07E-08	6.87E-08	1.06E-08	1.01E-08	1.58E-07
4941	476863.09	3862877.25	5.40E-04	5.48E-04	5.40E-04	1.87E-07	5.65E-07	3.27E-07	3.27E-07	3.01E-07	1.37E-07	1.35E-07	0.00E+00	0.00E+00	6.01E-08	1.11E-08	7.14E-08	1.10E-08	1.05E-08	1.64E-07
4942	477363.09	3862877.25	5.58E-04	5.66E-04	5.57E-04	1.93E-07	5.83E-07	3.37E-07	3.37E-07	3.10E-07	1.42E-07	1.39E-07	0.00E+00	0.00E+00	6.21E-08	1.15E-08	7.37E-08	1.14E-08	1.08E-08	1.69E-07
4943	477863.09	3862877.25	5.25E-04	5.34E-04	5.22E-04	1.82E-07	5.49E-07	3.18E-07	3.18E-07	2.93E-07	1.34E-07	1.31E-07	0.00E+00	0.00E+00	5.84E-08	1.08E-08	6.95E-08	1.07E-08	1.01E-08	1.60E-07
4944	478363.09	3862877.25	4.15E-04	4.24E-04	4.05E-04	1.44E-07	4.34E-07	2.51E-07	2.51E-07	2.32E-07	1.06E-07	1.01E-07	0.00E+00	0.00E+00	4.62E-08	8.53E-09	5.52E-08	8.51E-09	7.86E-09	1.26E-07
4945	478863.09	3862877.25	4.40E-04	4.49E-04	4.30E-04	1.52E-07	4.60E-07	2.66E-07	2.66E-07	2.46E-07	1.12E-07	1.08E-07	0.00E+00	0.00E+00	4.90E-08	9.04E-09	5.86E-08	9.03E-09	8.33E-09	1.34E-07
4946	479363.09	3862877.25	4.81E-04	4.90E-04	4.71E-04	1.66E-07	5.02E-07	2.91E-07	2.91E-07	2.69E-07	1.23E-07	1.18E-07	0.00E+00	0.00E+00	5.35E-08	9.87E-09	6.39E-08	9.85E-09	9.12E-09	1.46E-07
4947	479863.09	3862877.25	7.80E-04	7.91E-04	7.83E-04	2.70E-07	8.16E-07	4.72E-07	4.72E-07	4.34E-07	1.98E-07	1.96E-07	0.00E+00	0.00E+00	8.69E-08	1.60E-08	1.03E-07	1.59E-08	1.52E-08	2.37E-07
4948	480363.09	3862877.25	8.53E-04	8.64E-04	8.58E-04	2.95E-07	8.92E-07	5.16E-07	5.16E-07	4.74E-07	2.16E-07	2.15E-07	0.00E+00	0.00E+00	9.50E-08	1.75E-08	1.13E-07	1.74E-08	1.66E-08	2.59E-07
4949	480863.09	3862877.25	9.10E-04	9.22E-04	9.15E-04	3.15E-07	9.51E-07	5.51E-07	5.51E-07	5.06E-07	2.31E-07	2.29E-07	0.00E+00	0.00E+00	1.01E-07	1.87E-08	1.20E-07	1.85E-08	1.77E-08	2.76E-07
4950	481363.09	3862877.25	9.64E-04	9.77E-04	9.70E-04	3.34E-07	1.01E-06	5.83E-07	5.83E-07	5.36E-07	2.44E-07	2.43E-07	0.00E+00	0.00E+00	1.07E-07	1.98E-08	1.27E-07	1.96E-08	1.88E-08	2.93E-07
4951	481863.09	3862877.25	9.98E-04	1.01E-03	1.00E-03	3.45E-07	1.04E-06	6.04E-07	6.04E-07	5.55E-07	2.53E-07	2.51E-07	0.00E+00	0.00E+00	1.11E-07	2.05E-08	1.32E-07	2.03E-08	1.95E-08	3.03E-07
4952	482363.09	3862877.25	1.05E-03	1.07E-03	1.06E-03	3.64E-07	1.10E-06	6.37E-07	6.37E-07	5.84E-07	2.67E-07	2.66E-07	0.00E+00	0.00E+00	1.17E-07	2.16E-08	1.39E-07	2.14E-08	2.06E-08	3.20E-07
4953	482863.09	3862877.25	1.10E-03	1.12E-03	1.11E-03	3.82E-07	1.15E-06	6.67E-07	6.67E-07	6.12E-07	2.79E-07	2.78E-07	0.00E+00	0.00E+00	1.23E-07	2.26E-08	1.45E-07	2.24E-08	2.16E-08	3.35E-07
4954	483363.09	3862877.25	1.16E-03	1.17E-03	1.17E-03	4.00E-07	1.21E-06	7.00E-07	7.00E-07	6.42E-07	2.93E-07	2.93E-07	0.00E+00	0.00E+00	1.29E-07	2.38E-08	1.53E-07	2.35E-08	2.27E-08	3.51E-07
4955	483863.09	3862877.25	1.21E-03	1.22E-03	1.22E-03	4.19E-07	1.26E-06	7.32E-07	7.32E-07	6.71E-07	3.06E-07	3.06E-07	0.00E+00	0.00E+00	1.35E-07	2.48E-08	1.59E-07	2.46E-08	2.37E-08	3.67E-07
4956	484363.09	3862877.25	1.25E-03	1.26E-03	1.27E-03	4.33E-07	1.31E-06	7.57E-07	7.57E-07	6.93E-07	3.16E-07	3.18E-07	0.00E+00	0.00E+00	1.39E-07	2.57E-08	1.65E-07	2.54E-08	2.46E-08	3.80E-07
4957	484863.09	3862877.25	1.31E-03	1.33E-03	1.33E-03	4.54E-07	1.37E-06	7.94E-07	7.94E-07	7.27E-07	3.32E-07	3.34E-07	0.00E+00	0.00E+00	1.46E-07	2.69E-08	1.73E-07	2.66E-08	2.59E-08	3.98E-07
4958	485363.09	3862877.25	1.40E-03	1.41E-03	1.42E-03	4.83E-07	1.46E-06	8.44E-07	8.44E-07	7.72E-07	3.52E-07	3.56E-07	0.00E+00	0.00E+00	1.55E-07	2.87E-08	1.84E-07	2.83E-08	2.76E-08	4.23E-07
4959	485863.09	3862877.25	1.46E-03	1.48E-03	1.50E-03	5.07E-07	1.53E-06	8.85E-07	8.85E-07	8.09E-07	3.69E-07	3.75E-07	0.00E+00	0.00E+00	1.63E-07	3.01E-08	1.92E-07	2.97E-08	2.90E-08	4.44E-07
4960	486363.09	3862877.25	1.54E-03	1.55E-03	1.58E-03	5.32E-07	1.61E-06	9.30E-07	9.30E-07	8.50E-07	3.88E-07	3.95E-07	0.00E+00	0.00E+00	1.71E-07	3.16E-08	2.02E-07	3.11E-08	3.06E-08	4.66E-07
4961	486863.09	3862877.25	1.54E-03	1.55E-03	1.58E-03	5.33E-07	1.61E-06	9.32E-07	9.32E-07	8.51E-07	3.88E-07	3.96E-07	0.00E+00	0.00E+00	1.71E-07	3.16E-08	2.02E-07	3.12E-08	3.06E-08	4.67E-07
4962	487363.09	3862877.25	1.58E-03	1.59E-03	1.62E-03	5.47E-07	1.65E-06	9.56E-07	9.56E-07	8.73E-07	3.98E-07	4.06E-07	0.00E+00	0.00E+00	1.76E-07	3.24E-08	2.08E-07	3.20E-08	3.14E-08	4.79E-07
4963	487863.09	3862877.25	1.60E-03	1.61E-03	1.64E-03	5.53E-07	1.67E-06	9.67E-07	9.67E-07	8.83E-07	4.03E-07	4.10E-07	0.00E+00	0.00E+00	1.78E-07	3.28E-08	2.10E-07	3.24E-08	3.18E-08	4.85E-07
4964	488363.09	3862877.25	1.55E-03	1.57E-03	1.59E-03	5.38E-07	1.62E-06	9.40E-07	9.40E-07	8.59E-07	3.92E-07	3.98E-07	0.00E+00	0.00E+00	1.73E-07	3.19E-08	2.04E-07	3.15E-08	3.08E-08	4.71E-07
4965	488863.09	3862877.25	1.54E-03	1.55E-03	1.58E-03	5.33E-07	1.61E-06	9.31E-07	9.31E-07	8.51E-07	3.88E-07	3.95E-07	0.00E+00	0.00E+00	1.71E-07	3.16E-08	2.02E-07	3.12E-08	3.06E-08	4.67E-07
4966	489363.09	3862877.25	1.57E-03	1.58E-03	1.61E-03	5.44E-07	1.64E-06	9.50E-07	9.50E-07	8.68E-07	3.96E-07	4.04E-07	0.00E+00	0.00E+00	1.75E-07	3.23E-08	2.06E-07	3.18E-08	3.12E-08	4.76E-07
4967	489863.09	3862877.25	1.60E-03	1.61E-03	1.64E-03	5.52E-07	1.67E-06	9.65E-07	9.65E-07	8.82E-07	4.02E-07	4.10E-07	0.00E+00	0.00E+00	1.78E-07	3.28E-08	2.10E-07	3.23E-08	3.17E-08	4.84E-07
4968	490363.09	3862877.25	1.63E-03	1.65E-03	1.67E-03	5.65E-07	1.71E-06	9.88E-07	9.88E-07	9.02E-07	4.12E-07	4.19E-07	0.00E+00	0.00E+00	1.82E-07	3.35E-08	2.14E-07	3.31E-08	3.25E-08	4.95E-07
4969	490863.09	3862877.25	1.67E-03	1.69E-03	1.72E-03	5.80E-07	1.75E-06	1.01E-06	1.01E-06	9.26E-07	4.22E-07	4.30E-07	0.00E+00	0.00E+00	1.86E-07	3.44E-08	2.20E-07	3.39E-08	3.33E-08	5.08E-07
4970	491363.09	3862877.25	1.69E-03	1.70E-03	1.73E-03	5.85E-07	1.77E-06	1.02E-06	1.02E-06	9.35E-07	4.27E-07	4.34E-07	0.00E+00	0.00E+00	1.88E-07	3.47E-08	2.22E-07	3.43E-08	3.36E-08	5.13E-07
4971	491863.09	3862877.25	1.64E-03	1.65E-03	1.68E-03	5.67E-07	1.71E-06	9.90E-07	9.90E-07	9.05E-07	4.13E-07	4.20E-07	0.00E+00	0.00E+00	1.82E-07	3.36E-08	2.15E-07	3.32E-08	3.25E-08	4.97E-07
4972	492363.09	3862877.25	1.60E-03	1.62E-03	1.64E-03	5.55E-07	1.68E-06	9.70E-07	9.70E-07	8.87E-07	4.05E-07	4.11E-07	0.00E+00	0.00E+00	1.78E-07	3.29E-08	2.11E-07	3.25E-08	3.18E-08	4.86E-07
4973	492863.09	3862877.25	1.61E-03	1.62E-03	1.64E-03	5.56E-07	1.68E-06	9.71E-07	9.71E-07	8.88E-07	4.05E-07	4.11E-07	0.00E+00	0.00E+00	1.79E-07	3.30E-08	2.11E-07	3.25E-08	3.18E-08	4.87E-07
4974	493363.09	3862877.25	1.63E-03	1.64E-03	1.66E-03	5.63E-07	1.70E-06	9.85E-07	9.85E-07	9.00E-07	4.11E-07	4.17E-07	0.00E+00	0.00E+00	1.81E-07	3.34E-08	2.14E-07	3.30E-08	3.23E-08	4.94E-07
4975	493863.09	3862877.25	1.64E-03	1.65E-03	1.68E-03	5.67E-07	1.71E-06	9.91E-07	9.91E-07	9.05E-07	4.13E-07	4.20E-07	0.00E+00	0.00E+00	1.82E-07	3.36E-08	2.15E-07	3.32E-08	3.25E-08	4.97E-07
4976	494363.09	3862877.25	1.62E-03	1.64E-03	1.67E-03	5.62E-07	1.70E-06	9.83E-07	9.83E-07	8.98E-07	4.10E-07	4.17E-07	0.00E+00	0.00E+00	1.81E-07	3.34E-08	2.13E-07	3.29E-08	3.23E-08	4.93E-07
4977	494863.09	3862877.25	1.60E-03	1.61E-03	1.64E-03	5.54E-07	1.67E-06	9.68E-07	9.68E-07	8.84E-07	4.04E-07	4.11E-07	0.00E+00	0.00E+00	1.78E-07	3.29E-08	2.10E-07	3.24E-08	3.18E-08	4.85E-07
4978	495363.09	3862877.25	1.58E-03	1.59E-03	1.62E-03	5.46E-07	1.65E-06	9.55E-07	9.55E-07	8.73E-07	3.98E-07	4.05E-07	0.00E+00	0.00E+00	1.76E-07	3.24E-08	2.07E-07	3.20E-08	3.14E-08	4.79E-07
4979	495863.09	3862877.25	1.55E-03	1.56E-03	1.59E-03	5.37E-07	1.62E-06	9.38E-07	9.38E-07	8.57E-07	3.91E-07	3.98E-07	0.00E+00	0.00E+00	1.73E-07	3.18E-08	2.04E-07	3.14E-08	3.08E-08	4.70E-07
4980	496363.09	3862877.25	1.51E-03	1.52E-03	1.55E-03	5.23E-07	1.58E-06	9.14E-07	9.14E-07	8.36E-07	3.81E-07	3.87E-07	0.00E+00	0.00E+00	1.68E-07	3.10E-08	1.99E-07	3.06E-08	3.00E-08	4.58E-07
4981	496863.09	3862877.25	1.47E-03	1.48E-03	1.50E-03	5.08E-07	1.53E-06	8.88E-07	8.88E-07	8.12E-07	3.71E-07	3.76E-07	0.00E+00	0.00E+00	1.63E-07	3.01E-08	1.93E-07	2.98E-08	2.91E-08	4.45E-07
4982	497363.09	3862877.25	1.42E-03	1.44E-03	1.45E-03	4.92E-07	1.49E-06	8.60E-07	8.60E-07	7.87E-07	3.59E-07	3.63E-07	0.00E+00	0.00E+00	1.58E-07	2.92E-08	1.87E-07	2.88E-08	2.81E-08	4.31E-07
4983	497863.09	3862877.25	1.38E-03	1.40E-03	1.41E-03	4.79E-07	1.45E-06	8.37E-07	8.37E-07	7.67E-07	3.50E-07	3.53E-07	0.00E+00	0.00E+00	1.54E-07	2.84E-08	1.82E-07	2.81E-08	2.73E-08	4.20E-07
4984	498363.09	3862877.25	1.35E-03	1.37E-03	1.38E-03	4.69E-07	1.42E-06	8.20E-07	8.20E-07	7.51E-07	3.43E-07	3.45E-07	0.00E+00	0.00E+00	1.51E-07	2.78E-08	1.78E-07	2.75E-08	2.67E-08	4.11E-07
4985	471363.09	3863377.25	3.37E-04	3.43E-04	3.33E-04	1.17E-07	3.52E-07	2.04E-07	2.04E-07	1.88E-07	8.58E-08	8.33E-08	0.00E+00	0.00E+00	3.75E-08	6.92E-09	4.47E-08	6.89E-09	6.45E-09	1.02E-07
4986	471863.09	3863377.25	3.50E-04	3.56E-04	3.46E-04	1.21E-07	3.65E-07	2.12E-07	2.12E-07	1.95E-07	8.90E-08	8.66E-08	0.00E+00	0.00E+00	3.89E-08	7.18E-09	4.63E-08	7.15E-09	6.71E-09	1.06E-07
4987	472363.09	3863377.25	3.63E-04	3.69E-04	3.60E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.03E-07	9.24E-08	9.00E-08	0.00E+00	0.00E+00	4.04E-08	7.46E-09	4.81E-08	7.42E-09	6.97E-09	1.10E-07
4988	472863.09	3863377.25	3.77E-04	3.83E-04	3.74E-04	1.31E-07	3.94E-07	2.28E-07	2.28E-07	2.10E-07	9.59E-08	9.36E-08	0.00E+00	0.00E+00	4.20E-08	7.75E-09	5.00E-08	7.70E-09	7.25E-09	1.15E-07
4989	473363.09	3863377.25	3.92E-04	3.98E-04	3.89E-04	1.36E-07	4.09E-07	2.37E-07	2.37E-07	2.18E-07	9.96E-08	9.73E-08	0.00E+00	0.00E+00	4.36E-08	8.04E-09	5.19E-08	8.00E-09	7.53E-09	1.19E-07
4990	473863.09	3863377.25	4.06E-04	4.12E-04	4.03E-04	1.41E-07	4.24E-07	2.46E-07	2.46E-07	2.26E-07	1.03E-07	1.01E-07	0.00E+00	0.00E+00	4.52E-08	8.34E-09	5.38E-08	8.29E-09	7.82E-09	1.23E-07
4991	474363.09	3863377.25	4.20E-04	4.27E-04	4.18E-04	1.45E-07	4.39E-07	2.54E-07	2.54E-07	2.34E-07	1.07E-07	1.05E-07	0.00E+00	0.00E+00	4.68E-08	8.63E-09	5.56E-08	8.58E-09	8.10E-09	1.28E-07
4992	474863.09	3863377.25	4.40E-04	4.46E-04	4.39E-04	1.52E-07	4.60E-07	2.66E-07	2.66E-07	2.45E-07	1.12E-07	1.10E-07	0.00E+00	0.00E+00	4.90E-08	9.03E-09	5.82E-08	8.97E-09	8.50E-09	1.34E-07
4993	475363.09	3863377.25	4.58E-04	4.65E-04	4.58E-04	1.59E-07	4.79E-07	2.77E-07	2.77E-07	2.55E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.10E-08	9.41E-09	6.06E-08	9.35E-09	8.87E-09	1.39E-07
4994	475863.09	3863377.25	4.80E-04	4.87E-04	4.80E-04	1.66E-07	5.02E-07	2.90E-07	2.90E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.34E-08	9.86E-09	6.34E-08	9.78E-09	9.30E-09	1.46E-07
4995	476363.09	3863377.25	5.07E-04	5.14E-04	5.08E-04	1.76E-07	5.30E-07	3.07E-07	3.07E-07	2.82E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.64E-08	1.04E-08	6.70E-08	1.03E-08	9.85E-09	1.54E-07
4996	476863.09	3863377.25	5.36E-04	5.43E-04	5.37E-04	1.85E-07	5.60E-07	3.24E-07	3.24E-07	2.98E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	5.96E-08	1.10E-08	7.08E-08	1.09E-08	1.04E-08	1.63E-07
4997	477363.09	3863377.25	5.62E-04	5.69E-04	5.63E-04	1.94E-07	5.87E-07	3.40E-07	3.40E-07	3.12E-07	1.42E-07	1.41E-07	0.00E+00	0.00E+00	6.25E-08	1.15E-08	7.42E-08	1.14E-08	1.09E-08	1.71E-07
4998	477863.09	3863377.25	5.71E-04	5.79E-04	5.71E-04	1.98E-07	5.97E-07	3.45E-07	3.45E-07	3.18E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.35E-08	1.17E-08	7.55E-08	1.16E-08	1.11E-08	1.73E-07
4999	478363.09	3863377.25	5.23E-04	5.31E-04	5.19E-04	1.81E-07	5.46E-07	3.16E-07	3.16E-07	2.91E-07	1.33E-07	1.30E-07	0.00E+00	0.00E+00	5.82E-08	1.07E-08	6.92E-08	1.07E-08	1.01E-08	1.59E-07
5000	478863.09	3863377.25	5.72E-04	5.81E-04	5.70E-04	1.98E-07	5.98E-07	3.46E-07	3.46E-07	3.19E-07	1.45E-07	1.43E-07	0.00E+00	0.00E+00	6.37E-08	1.18E-08	7.57E-08	1.17E-08	1.10E-08	1.74E-07
5001	479363.09	3863377.25	6.72E-04	6.81E-04	6.73E-04	2.33E-07	7.02E-07	4.06E-07	4.06E-07	3.74E-07	1.70E-07	1.68E-07	0.00E+00	0.00E+00	7.48E-08	1.38E-08	8.88E-08	1.37E-08	1.30E-08	2.04E-07
5002	479863.09	3863377.25	7.53E-04	7.63E-04	7.57E-04	2.61E-07	7.87E-07	4.55E-07	4.55E-07	4.18E-07	1.91E-07	1.89E-07	0.00E+00	0.00E+00	8.38E-08	1.55E-08	9.94E-08	1.53E-08	1.47E-08	2.29E-07
5003	480363.09	3863377.25	7.95E-04	8.06E-04	8.00E-04	2.75E-07	8.31E-07	4.81E-07	4.81E-07	4.42E-07	2.02E-07	2.00E-07	0.00E+00	0.00E+00	8.85E-08	1.63E-08	1.05E-07	1.62E-08	1.55E-08	2.42E-07
5004	480863.09	3863377.25	8.32E-04	8.43E-04	8.36E-04	2.88E-07	8.70E-07	5.04E-07	5.04E-07	4.63E-07	2.11E-07	2.09E-07	0.00E+00	0.00E+00	9.27E-08	1.71E-08	1.10E-07	1.70E-08	1.62E-08	2.53E-07
5005	481363.09	3863377.25	8.66E-04	8.77E-04	8.71E-04	3.00E-07	9.05E-07	5.24E-07	5.24E-07	4.81E-07	2.20E-07	2.18E-07	0.00E+00	0.00E+00	9.64E-08	1.78E-08	1.14E-07	1.76E-08	1.69E-08	2.63E-07
5006	481863.09	3863377.25	8.98E-04	9.10E-04	9.04E-04	3.11E-07	9.39E-07	5.43E-07	5.43E-07	4.99E-07	2.28E-07	2.26E-07	0.00E+00	0.00E+00	1.00E-07	1.84E-08	1.19E-07	1.83E-08	1.75E-08	2.73E-07
5007	482363.09	3863377.25	9.36E-04	9.48E-04	9.44E-04	3.24E-07	9.79E-07	5.67E-07	5.67E-07	5.20E-07	2.37E-07	2.36E-07	0.00E+00	0.00E+00	1.04E-07	1.92E-08	1.24E-07	1.91E-08	1.83E-08	2.84E-07
5008	482863.09	3863377.25	9.75E-04	9.87E-04	9.84E-04	3.38E-07	1.02E-06	5.90E-07	5.90E-07	5.42E-07	2.47E-07	2.46E-07	0.00E+00	0.00E+00	1.09E-07	2.00E-08	1.29E-07	1.98E-08	1.91E-08	2.96E-07
5009	483363.09	3863377.25	1.01E-03	1.02E-03	1.02E-03	3.50E-07	1.06E-06	6.11E-07	6.11E-07	5.61E-07	2.56E-07	2.55E-07	0.00E+00	0.00E+00	1.12E-07	2.07E-08	1.33E-07	2.05E-08	1.98E-08	3.07E-07
5010	483863.09	3863377.25	1.04E-03	1.05E-03	1.05E-03	3.60E-07	1.09E-06	6.30E-07	6.30E-07	5.78E-07	2.64E-07	2.64E-07	0.00E+00	0.00E+00	1.16E-07	2.14E-08	1.37E-07	2.12E-08	2.04E-08	3.16E-07
5011	484363.09	3863377.25	1.08E-03	1.09E-03	1.10E-03	3.74E-07	1.13E-06	6.54E-07	6.54E-07	5.99E-07	2.74E-07	2.74E-07	0.00E+00	0.00E+00	1.20E-07	2.22E-08	1.42E-07	2.20E-08	2.12E-08	3.28E-07
5012	484863.09	3863377.25	1.14E-03	1.15E-03	1.16E-03	3.95E-07	1.19E-06	6.90E-07	6.90E-07	6.32E-07	2.89E-07	2.90E-07	0.00E+00	0.00E+00	1.27E-07	2.34E-08	1.50E-07	2.32E-08	2.25E-08	3.46E-07
5013	485363.09	3863377.25	1.19E-03	1.21E-03	1.22E-03	4.13E-07	1.25E-06	7.22E-07	7.22E-07	6.61E-07	3.02E-07	3.05E-07	0.00E+00	0.00E+00	1.33E-07	2.45E-08	1.57E-07	2.42E-08	2.36E-08	3.62E-07
5014	485863.09	3863377.25	1.25E-03	1.26E-03	1.28E-03	4.32E-07	1.30E-06	7.54E-07	7.54E-07	6.90E-07	3.15E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.56E-08	1.64E-07	2.53E-08	2.47E-08	3.78E-07
5015	486363.09	3863377.25	1.28E-03	1.29E-03	1.31E-03	4.42E-07	1.33E-06	7.73E-07	7.73E-07	7.06E-07	3.22E-07	3.27E-07	0.00E+00	0.00E+00	1.42E-07	2.62E-08	1.68E-07	2.59E-08	2.53E-08	3.87E-07
5016	486863.09	3863377.25	1.27E-03	1.28E-03	1.30E-03	4.38E-07	1.32E-06	7.66E-07	7.66E-07	7.00E-07	3.20E-07	3.25E-07	0.00E+00	0.00E+00	1.41E-07	2.60E-08	1.66E-07	2.57E-08	2.51E-08	3.84E-07
5017	487363.09	3863377.25	1.28E-03	1.29E-03	1.31E-03	4.43E-07	1.34E-06	7.75E-07	7.75E-07	7.08E-07	3.23E-07	3.28E-07	0.00E+00	0.00E+00	1.43E-07	2.63E-08	1.68E-07	2.60E-08	2.54E-08	3.89E-07
5018	487863.09	3863377.25	1.29E-03	1.30E-03	1.32E-03	4.47E-07	1.35E-06	7.82E-07	7.82E-07	7.15E-07	3.26E-07	3.31E-07	0.00E+00	0.00E+00	1.44E-07	2.65E-08	1.70E-07	2.62E-08	2.56E-08	3.92E-07
5019	488363.09	3863377.25	1.26E-03	1.27E-03	1.29E-03	4.37E-07	1.32E-06	7.64E-07	7.64E-07	6.99E-07	3.19E-07	3.23E-07	0.00E+00	0.00E+00	1.41E-07	2.59E-08	1.66E-07	2.56E-08	2.50E-08	3.83E-07
5020	488863.09	3863377.25	1.24E-03	1.25E-03	1.27E-03	4.30E-07	1.30E-06	7.52E-07	7.52E-07	6.87E-07	3.14E-07	3.18E-07	0.00E+00	0.00E+00	1.38E-07	2.55E-08	1.63E-07	2.52E-08	2.46E-08	3.77E-07
5021	489363.09	3863377.25	1.26E-03	1.27E-03	1.29E-03	4.37E-07	1.32E-06	7.65E-07	7.65E-07	6.99E-07	3.19E-07	3.24E-07	0.00E+00	0.00E+00	1.41E-07	2.60E-08	1.66E-07	2.56E-08	2.51E-08	3.83E-07
5022	489863.09	3863377.25	1.28E-03	1.29E-03	1.31E-03	4.44E-07	1.34E-06	7.76E-07	7.76E-07	7.09E-07	3.24E-07	3.28E-07	0.00E+00	0.00E+00	1.43E-07	2.63E-08	1.68E-07	2.60E-08	2.54E-08	3.89E-07
5023	490363.09	3863377.25	1.30E-03	1.31E-03	1.33E-03	4.49E-07	1.36E-06	7.85E-07	7.85E-07	7.18E-07	3.28E-07	3.32E-07	0.00E+00	0.00E+00	1.44E-07	2.66E-08	1.71E-07	2.63E-08	2.57E-08	3.94E-07
5024	490863.09	3863377.25	1.34E-03	1.35E-03	1.37E-03	4.62E-07	1.40E-06	8.08E-07	8.08E-07	7.39E-07	3.37E-07	3.42E-07	0.00E+00	0.00E+00	1.49E-07	2.74E-08	1.76E-07	2.71E-08	2.65E-08	4.05E-07
5025	491363.09	3863377.25	1.36E-03	1.38E-03	1.40E-03	4.72E-07	1.43E-06	8.26E-07	8.26E-07	7.55E-07	3.44E-07	3.50E-07	0.00E+00	0.00E+00	1.52E-07	2.80E-08	1.79E-07	2.77E-08	2.71E-08	4.14E-07
5026	491863.09	3863377.25	1.37E-03	1.38E-03	1.40E-03	4.75E-07	1.43E-06	8.31E-07	8.31E-07	7.60E-07	3.47E-07	3.51E-07	0.00E+00	0.00E+00	1.53E-07	2.82E-08	1.80E-07	2.78E-08	2.72E-08	4.17E-07
5027	492363.09	3863377.25	1.35E-03	1.36E-03	1.38E-03	4.68E-07	1.41E-06	8.18E-07	8.18E-07	7.48E-07	3.41E-07	3.46E-07	0.00E+00	0.00E+00	1.50E-07	2.78E-08	1.78E-07	2.74E-08	2.68E-08	4.10E-07
5028	492863.09	3863377.25	1.33E-03	1.34E-03	1.35E-03	4.59E-07	1.39E-06	8.02E-07	8.02E-07	7.34E-07	3.35E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.72E-08	1.74E-07	2.69E-08	2.62E-08	4.02E-07
5029	493363.09	3863377.25	1.31E-03	1.33E-03	1.34E-03	4.54E-07	1.37E-06	7.94E-07	7.94E-07	7.27E-07	3.32E-07	3.34E-07	0.00E+00	0.00E+00	1.46E-07	2.70E-08	1.73E-07	2.66E-08	2.59E-08	3.98E-07
5030	493863.09	3863377.25	1.33E-03	1.34E-03	1.35E-03	4.60E-07	1.39E-06	8.04E-07	8.04E-07	7.36E-07	3.36E-07	3.39E-07	0.00E+00	0.00E+00	1.48E-07	2.73E-08	1.75E-07	2.70E-08	2.62E-08	4.03E-07
5031	494363.09	3863377.25	1.35E-03	1.36E-03	1.38E-03	4.67E-07	1.41E-06	8.15E-07	8.15E-07	7.46E-07	3.40E-07	3.44E-07	0.00E+00	0.00E+00	1.50E-07	2.77E-08	1.77E-07	2.73E-08	2.66E-08	4.09E-07
5032	494863.09	3863377.25	1.35E-03	1.36E-03	1.38E-03	4.68E-07	1.41E-06	8.18E-07	8.18E-07	7.48E-07	3.42E-07	3.46E-07	0.00E+00	0.00E+00	1.51E-07	2.78E-08	1.78E-07	2.74E-08	2.68E-08	4.10E-07
5033	495363.09	3863377.25	1.35E-03	1.36E-03	1.38E-03	4.67E-07	1.41E-06	8.16E-07	8.16E-07	7.46E-07	3.41E-07	3.46E-07	0.00E+00	0.00E+00	1.50E-07	2.77E-08	1.77E-07	2.74E-08	2.68E-08	4.09E-07

5034	495863.09	3863377.25	1.35E-03	1.36E-03	1.38E-03	4.66E-07	1.41E-06	8.14E-07	8.14E-07	7.44E-07	3.40E-07	3.44E-07	0.00E+00	0.00E+00	1.50E-07	2.76E-08	1.77E-07	2.73E-08	2.67E-08	4.08E-07
5035	496363.09	3863377.25	1.32E-03	1.33E-03	1.35E-03	4.58E-07	1.38E-06	8.00E-07	8.00E-07	7.31E-07	3.34E-07	3.39E-07	0.00E+00	0.00E+00	1.47E-07	2.71E-08	1.74E-07	2.68E-08	2.62E-08	4.01E-07
5036	496863.09	3863377.25	1.28E-03	1.29E-03	1.31E-03	4.42E-07	1.33E-06	7.73E-07	7.73E-07	7.07E-07	3.22E-07	3.27E-07	0.00E+00	0.00E+00	1.42E-07	2.62E-08	1.68E-07	2.59E-08	2.53E-08	3.87E-07
5037	497363.09	3863377.25	1.25E-03	1.26E-03	1.28E-03	4.32E-07	1.30E-06	7.55E-07	7.55E-07	6.91E-07	3.15E-07	3.19E-07	0.00E+00	0.00E+00	1.39E-07	2.56E-08	1.64E-07	2.53E-08	2.47E-08	3.79E-07
5038	497863.09	3863377.25	1.22E-03	1.23E-03	1.24E-03	4.22E-07	1.27E-06	7.37E-07	7.37E-07	6.75E-07	3.08E-07	3.11E-07	0.00E+00	0.00E+00	1.36E-07	2.50E-08	1.60E-07	2.47E-08	2.41E-08	3.70E-07
5039	498363.09	3863377.25	1.19E-03	1.20E-03	1.21E-03	4.11E-07	1.24E-06	7.19E-07	7.19E-07	6.58E-07	3.00E-07	3.03E-07	0.00E+00	0.00E+00	1.32E-07	2.44E-08	1.56E-07	2.41E-08	2.34E-08	3.60E-07
5040	471363.09	3863877.25	3.31E-04	3.36E-04	3.28E-04	1.14E-07	3.46E-07	2.00E-07	2.00E-07	1.84E-07	8.41E-08	8.20E-08	0.00E+00	0.00E+00	3.68E-08	6.79E-09	4.38E-08	6.75E-09	6.35E-09	1.01E-07
5041	471863.09	3863877.25	3.39E-04	3.45E-04	3.36E-04	1.17E-07	3.54E-07	2.05E-07	2.05E-07	1.89E-07	8.62E-08	8.41E-08	0.00E+00	0.00E+00	3.77E-08	6.96E-09	4.49E-08	6.93E-09	6.51E-09	1.03E-07
5042	472363.09	3863877.25	3.51E-04	3.57E-04	3.48E-04	1.21E-07	3.67E-07	2.12E-07	2.12E-07	1.96E-07	8.93E-08	8.71E-08	0.00E+00	0.00E+00	3.91E-08	7.21E-09	4.65E-08	7.17E-09	6.75E-09	1.07E-07
5043	472863.09	3863877.25	3.63E-04	3.69E-04	3.61E-04	1.26E-07	3.79E-07	2.20E-07	2.20E-07	2.02E-07	9.23E-08	9.03E-08	0.00E+00	0.00E+00	4.04E-08	7.46E-09	4.81E-08	7.41E-09	6.99E-09	1.10E-07
5044	473363.09	3863877.25	3.77E-04	3.83E-04	3.76E-04	1.31E-07	3.94E-07	2.28E-07	2.28E-07	2.10E-07	9.59E-08	9.40E-08	0.00E+00	0.00E+00	4.20E-08	7.75E-09	4.99E-08	7.70E-09	7.28E-09	1.15E-07
5045	473863.09	3863877.25	3.90E-04	3.96E-04	3.89E-04	1.35E-07	4.08E-07	2.36E-07	2.36E-07	2.17E-07	9.92E-08	9.74E-08	0.00E+00	0.00E+00	4.34E-08	8.02E-09	5.16E-08	7.96E-09	7.54E-09	1.19E-07
5046	474363.09	3863877.25	4.06E-04	4.12E-04	4.06E-04	1.41E-07	4.25E-07	2.46E-07	2.46E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.52E-08	8.35E-09	5.37E-08	8.29E-09	7.87E-09	1.23E-07
5047	474863.09	3863877.25	4.27E-04	4.33E-04	4.28E-04	1.48E-07	4.47E-07	2.59E-07	2.59E-07	2.38E-07	1.08E-07	1.07E-07	0.00E+00	0.00E+00	4.76E-08	8.78E-09	5.65E-08	8.71E-09	8.29E-09	1.30E-07
5048	475363.09	3863877.25	4.47E-04	4.54E-04	4.48E-04	1.55E-07	4.68E-07	2.71E-07	2.71E-07	2.49E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	4.98E-08	9.19E-09	5.91E-08	9.11E-09	8.69E-09	1.36E-07
5049	475863.09	3863877.25	4.74E-04	4.80E-04	4.76E-04	1.64E-07	4.95E-07	2.87E-07	2.87E-07	2.63E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.27E-08	9.73E-09	6.26E-08	9.65E-09	9.22E-09	1.44E-07
5050	476363.09	3863877.25	4.98E-04	5.05E-04	5.00E-04	1.72E-07	5.21E-07	3.01E-07	3.01E-07	2.77E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.54E-08	1.02E-08	6.58E-08	1.01E-08	9.69E-09	1.51E-07
5051	476863.09	3863877.25	5.24E-04	5.31E-04	5.26E-04	1.81E-07	5.48E-07	3.17E-07	3.17E-07	2.91E-07	1.33E-07	1.32E-07	0.00E+00	0.00E+00	5.83E-08	1.08E-08	6.92E-08	1.07E-08	1.02E-08	1.59E-07
5052	477363.09	3863877.25	5.48E-04	5.55E-04	5.50E-04	1.90E-07	5.72E-07	3.31E-07	3.31E-07	3.04E-07	1.39E-07	1.38E-07	0.00E+00	0.00E+00	6.10E-08	1.12E-08	7.23E-08	1.12E-08	1.07E-08	1.66E-07
5053	477863.09	3863877.25	5.62E-04	5.69E-04	5.63E-04	1.94E-07	5.87E-07	3.40E-07	3.40E-07	3.12E-07	1.42E-07	1.41E-07	0.00E+00	0.00E+00	6.25E-08	1.15E-08	7.42E-08	1.14E-08	1.09E-08	1.71E-07
5054	478363.09	3863877.25	5.45E-04	5.53E-04	5.44E-04	1.89E-07	5.69E-07	3.30E-07	3.30E-07	3.03E-07	1.38E-07	1.36E-07	0.00E+00	0.00E+00	6.06E-08	1.12E-08	7.20E-08	1.11E-08	1.05E-08	1.65E-07
5055	478863.09	3863877.25	6.17E-04	6.26E-04	6.20E-04	2.14E-07	6.45E-07	3.74E-07	3.74E-07	3.43E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	6.87E-08	1.27E-08	8.16E-08	1.26E-08	1.20E-08	1.88E-07
5056	479363.09	3863877.25	6.63E-04	6.72E-04	6.66E-04	2.30E-07	6.93E-07	4.01E-07	4.01E-07	3.68E-07	1.68E-07	1.67E-07	0.00E+00	0.00E+00	7.38E-08	1.36E-08	8.75E-08	1.35E-08	1.29E-08	2.01E-07
5057	479863.09	3863877.25	6.96E-04	7.06E-04	7.00E-04	2.41E-07	7.28E-07	4.21E-07	4.21E-07	3.87E-07	1.77E-07	1.75E-07	0.00E+00	0.00E+00	7.75E-08	1.43E-08	9.20E-08	1.42E-08	1.36E-08	2.12E-07
5058	480363.09	3863877.25	7.26E-04	7.36E-04	7.30E-04	2.51E-07	7.59E-07	4.40E-07	4.40E-07	4.04E-07	1.84E-07	1.83E-07	0.00E+00	0.00E+00	8.09E-08	1.49E-08	9.59E-08	1.48E-08	1.41E-08	2.21E-07
5059	480863.09	3863877.25	7.52E-04	7.62E-04	7.55E-04	2.60E-07	7.86E-07	4.55E-07	4.55E-07	4.18E-07	1.91E-07	1.89E-07	0.00E+00	0.00E+00	8.37E-08	1.55E-08	9.94E-08	1.53E-08	1.46E-08	2.29E-07
5060	481363.09	3863877.25	7.75E-04	7.85E-04	7.79E-04	2.68E-07	8.10E-07	4.69E-07	4.69E-07	4.31E-07	1.97E-07	1.95E-07	0.00E+00	0.00E+00	8.63E-08	1.59E-08	1.02E-07	1.58E-08	1.51E-08	2.35E-07
5061	481863.09	3863877.25	8.00E-04	8.11E-04	8.06E-04	2.77E-07	8.36E-07	4.84E-07	4.84E-07	4.45E-07	2.03E-07	2.02E-07	0.00E+00	0.00E+00	8.91E-08	1.64E-08	1.06E-07	1.63E-08	1.56E-08	2.43E-07
5062	482363.09	3863877.25	8.30E-04	8.41E-04	8.36E-04	2.87E-07	8.67E-07	5.02E-07	5.02E-07	4.61E-07	2.10E-07	2.09E-07	0.00E+00	0.00E+00	9.24E-08	1.70E-08	1.10E-07	1.69E-08	1.62E-08	2.52E-07
5063	482863.09	3863877.25	8.59E-04	8.70E-04	8.66E-04	2.97E-07	8.98E-07	5.20E-07	5.20E-07	4.77E-07	2.18E-07	2.17E-07	0.00E+00	0.00E+00	9.56E-08	1.76E-08	1.13E-07	1.75E-08	1.68E-08	2.61E-07
5064	483363.09	3863877.25	8.88E-04	8.99E-04	8.97E-04	3.07E-07	9.28E-07	5.37E-07	5.37E-07	4.93E-07	2.25E-07	2.25E-07	0.00E+00	0.00E+00	9.89E-08	1.82E-08	1.17E-07	1.81E-08	1.74E-08	2.70E-07
5065	483863.09	3863877.25	9.20E-04	9.31E-04	9.31E-04	3.19E-07	9.62E-07	5.57E-07	5.57E-07	5.11E-07	2.33E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.89E-08	1.21E-07	1.87E-08	1.80E-08	2.79E-07
5066	484363.09	3863877.25	9.58E-04	9.69E-04	9.71E-04	3.32E-07	1.00E-06	5.80E-07	5.80E-07	5.31E-07	2.42E-07	2.43E-07	0.00E+00	0.00E+00	1.07E-07	1.97E-08	1.26E-07	1.95E-08	1.88E-08	2.91E-07
5067	484863.09	3863877.25	9.97E-04	1.01E-03	1.01E-03	3.45E-07	1.04E-06	6.03E-07	6.03E-07	5.53E-07	2.52E-07	2.53E-07	0.00E+00	0.00E+00	1.11E-07	2.05E-08	1.31E-07	2.03E-08	1.96E-08	3.03E-07
5068	485363.09	3863877.25	1.03E-03	1.04E-03	1.05E-03	3.58E-07	1.08E-06	6.25E-07	6.25E-07	5.72E-07	2.61E-07	2.63E-07	0.00E+00	0.00E+00	1.15E-07	2.12E-08	1.36E-07	2.10E-08	2.04E-08	3.14E-07
5069	485863.09	3863877.25	1.08E-03	1.09E-03	1.10E-03	3.73E-07	1.13E-06	6.52E-07	6.52E-07	5.96E-07	2.72E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.21E-08	1.42E-07	2.18E-08	2.13E-08	3.27E-07
5070	486363.09	3863877.25	1.07E-03	1.08E-03	1.10E-03	3.71E-07	1.12E-06	6.48E-07	6.48E-07	5.93E-07	2.71E-07	2.74E-07	0.00E+00	0.00E+00	1.19E-07	2.20E-08	1.41E-07	2.17E-08	2.12E-08	3.25E-07
5071	486863.09	3863877.25	1.07E-03	1.08E-03	1.09E-03	3.69E-07	1.11E-06	6.45E-07	6.45E-07	5.90E-07	2.69E-07	2.73E-07	0.00E+00	0.00E+00	1.19E-07	2.19E-08	1.40E-07	2.16E-08	2.11E-08	3.24E-07
5072	487363.09	3863877.25	1.06E-03	1.07E-03	1.09E-03	3.69E-07	1.11E-06	6.44E-07	6.44E-07	5.89E-07	2.69E-07	2.72E-07	0.00E+00	0.00E+00	1.19E-07	2.19E-08	1.40E-07	2.16E-08	2.11E-08	3.23E-07
5073	487863.09	3863877.25	1.07E-03	1.08E-03	1.09E-03	3.71E-07	1.12E-06	6.49E-07	6.49E-07	5.94E-07	2.71E-07	2.74E-07	0.00E+00	0.00E+00	1.19E-07	2.20E-08	1.41E-07	2.18E-08	2.12E-08	3.26E-07
5074	488363.09	3863877.25	1.06E-03	1.07E-03	1.08E-03	3.66E-07	1.11E-06	6.40E-07	6.40E-07	5.86E-07	2.67E-07	2.70E-07	0.00E+00	0.00E+00	1.18E-07	2.17E-08	1.39E-07	2.15E-08	2.09E-08	3.21E-07
5075	488863.09	3863877.25	1.04E-03	1.05E-03	1.06E-03	3.59E-07	1.08E-06	6.27E-07	6.27E-07	5.74E-07	2.62E-07	2.64E-07	0.00E+00	0.00E+00	1.15E-07	2.13E-08	1.36E-07	2.10E-08	2.05E-08	3.14E-07
5076	489363.09	3863877.25	1.05E-03	1.06E-03	1.07E-03	3.63E-07	1.09E-06	6.34E-07	6.34E-07	5.80E-07	2.65E-07	2.68E-07	0.00E+00	0.00E+00	1.17E-07	2.15E-08	1.38E-07	2.12E-08	2.07E-08	3.18E-07
5077	489863.09	3863877.25	1.07E-03	1.08E-03	1.09E-03	3.69E-07	1.11E-06	6.45E-07	6.45E-07	5.90E-07	2.69E-07	2.72E-07	0.00E+00	0.00E+00	1.19E-07	2.19E-08	1.40E-07	2.16E-08	2.11E-08	3.23E-07
5078	490363.09	3863877.25	1.07E-03	1.08E-03	1.09E-03	3.71E-07	1.12E-06	6.48E-07	6.48E-07	5.93E-07	2.71E-07	2.74E-07	0.00E+00	0.00E+00	1.19E-07	2.20E-08	1.41E-07	2.17E-08	2.12E-08	3.25E-07
5079	490863.09	3863877.25	1.09E-03	1.10E-03	1.11E-03	3.78E-07	1.14E-06	6.61E-07	6.61E-07	6.05E-07	2.76E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.24E-08	1.44E-07	2.22E-08	2.16E-08	3.31E-07
5080	491363.09	3863877.25	1.12E-03	1.13E-03	1.14E-03	3.87E-07	1.17E-06	6.77E-07	6.77E-07	6.19E-07	2.82E-07	2.86E-07	0.00E+00	0.00E+00	1.24E-07	2.30E-08	1.47E-07	2.27E-08	2.21E-08	3.39E-07
5081	491863.09	3863877.25	1.16E-03	1.17E-03	1.19E-03	4.02E-07	1.21E-06	7.03E-07	7.03E-07	6.43E-07	2.94E-07	2.97E-07	0.00E+00	0.00E+00	1.29E-07	2.39E-08	1.53E-07	2.36E-08	2.30E-08	3.53E-07
5082	492363.09	3863877.25	1.17E-03	1.18E-03	1.19E-03	4.04E-07	1.22E-06	7.06E-07	7.06E-07	6.46E-07	2.95E-07	2.98E-07	0.00E+00	0.00E+00	1.30E-07	2.40E-08	1.54E-07	2.37E-08	2.30E-08	3.54E-07
5083	492863.09	3863877.25	1.08E-03	1.09E-03	1.10E-03	3.75E-07	1.13E-06	6.55E-07	6.55E-07	6.00E-07	2.74E-07	2.75E-07	0.00E+00	0.00E+00	1.20E-07	2.22E-08	1.43E-07	2.20E-08	2.13E-08	3.29E-07
5084	493363.09	3863877.25	1.05E-03	1.06E-03	1.06E-03	3.63E-07	1.10E-06	6.35E-07	6.35E-07	5.82E-07	2.65E-07	2.66E-07	0.00E+00	0.00E+00	1.17E-07	2.15E-08	1.38E-07	2.13E-08	2.06E-08	3.18E-07
5085	493863.09	3863877.25	1.05E-03	1.07E-03	1.07E-03	3.65E-07	1.10E-06	6.38E-07	6.38E-07	5.85E-07	2.67E-07	2.67E-07	0.00E+00	0.00E+00	1.17E-07	2.17E-08	1.39E-07	2.14E-08	2.07E-08	3.20E-07
5086	494363.09	3863877.25	1.08E-03	1.10E-03	1.10E-03	3.75E-07	1.13E-06	6.56E-07	6.56E-07	6.01E-07	2.74E-07	2.75E-07	0.00E+00	0.00E+00	1.21E-07	2.23E-08	1.43E-07	2.20E-08	2.13E-08	3.29E-07
5087	494863.09	3863877.25	1.11E-03	1.12E-03	1.13E-03	3.84E-07	1.16E-06	6.71E-07	6.71E-07	6.14E-07	2.80E-07	2.82E-07	0.00E+00	0.00E+00	1.23E-07	2.28E-08	1.46E-07	2.25E-08	2.18E-08	3.36E-07
5088	495363.09	3863877.25	1.12E-03	1.13E-03	1.14E-03	3.89E-07	1.17E-06	6.79E-07	6.79E-07	6.22E-07	2.84E-07	2.86E-07	0.00E+00	0.00E+00	1.25E-07	2.31E-08	1.48E-07	2.28E-08	2.22E-08	3.41E-07
5089	495863.09	3863877.25	1.13E-03	1.14E-03	1.15E-03	3.90E-07	1.18E-06	6.81E-07	6.81E-07	6.23E-07	2.84E-07	2.87E-07	0.00E+00	0.00E+00	1.25E-07	2.31E-08	1.48E-07	2.28E-08	2.22E-08	3.41E-07
5090	496363.09	3863877.25	1.14E-03	1.15E-03	1.16E-03	3.94E-07	1.19E-06	6.88E-07	6.88E-07	6.30E-07	2.87E-07	2.91E-07	0.00E+00	0.00E+00	1.27E-07	2.34E-08	1.50E-07	2.31E-08	2.25E-08	3.45E-07
5091	496863.09	3863877.25	1.13E-03	1.14E-03	1.16E-03	3.92E-07	1.18E-06	6.84E-07	6.84E-07	6.26E-07	2.86E-07	2.89E-07	0.00E+00	0.00E+00	1.26E-07	2.32E-08	1.49E-07	2.29E-08	2.24E-08	3.43E-07
5092	497363.09	3863877.25	1.11E-03	1.12E-03	1.14E-03	3.86E-07	1.17E-06	6.74E-07	6.74E-07	6.17E-07	2.81E-07	2.85E-07	0.00E+00	0.00E+00	1.24E-07	2.29E-08	1.47E-07	2.26E-08	2.21E-08	3.38E-07
5093	497863.09	3863877.25	1.09E-03	1.10E-03	1.12E-03	3.79E-07	1.14E-06	6.62E-07	6.62E-07	6.05E-07	2.76E-07	2.79E-07	0.00E+00	0.00E+00	1.22E-07	2.25E-08	1.44E-07	2.22E-08	2.16E-08	3.32E-07
5094	498363.09	3863877.25	1.07E-03	1.08E-03	1.09E-03	3.69E-07	1.11E-06	6.45E-07	6.45E-07	5.90E-07	2.69E-07	2.72E-07	0.00E+00	0.00E+00	1.19E-07	2.19E-08	1.40E-07	2.16E-08	2.10E-08	3.23E-07
5095	471363.09	3864377.25	3.19E-04	3.24E-04	3.16E-04	1.10E-07	3.33E-07	1.93E-07	1.93E-07	1.78E-07	8.10E-08	7.91E-08	0.00E+00	0.00E+00	3.55E-08	6.54E-09	4.22E-08	6.50E-09	6.13E-09	9.68E-08
5096	471863.09	3864377.25	3.27E-04	3.32E-04	3.25E-04	1.13E-07	3.42E-07	1.98E-07	1.98E-07	1.82E-07	8.32E-08	8.14E-08	0.00E+00	0.00E+00	3.64E-08	6.72E-09	4.33E-08	6.68E-09	6.30E-09	9.95E-08
5097	472363.09	3864377.25	3.38E-04	3.43E-04	3.36E-04	1.17E-07	3.53E-07	2.04E-07	2.04E-07	1.88E-07	8.58E-08	8.41E-08	0.00E+00	0.00E+00	3.76E-08	6.94E-09	4.47E-08	6.89E-09	6.51E-09	1.03E-07
5098	472863.09	3864377.25	3.49E-04	3.54E-04	3.48E-04	1.21E-07	3.65E-07	2.11E-07	2.11E-07	1.94E-07	8.87E-08	8.71E-08	0.00E+00	0.00E+00	3.89E-08	7.17E-09	4.62E-08	7.12E-09	6.74E-09	1.06E-07
5099	473363.09	3864377.25	3.64E-04	3.69E-04	3.64E-04	1.26E-07	3.81E-07	2.20E-07	2.20E-07	2.03E-07	9.24E-08	9.10E-08	0.00E+00	0.00E+00	4.05E-08	7.48E-09	4.81E-08	7.42E-09	7.05E-09	1.11E-07
5100	473863.09	3864377.25	3.80E-04	3.85E-04	3.80E-04	1.32E-07	3.97E-07	2.30E-07	2.30E-07	2.11E-07	9.65E-08	9.52E-08	0.00E+00	0.00E+00	4.23E-08	7.81E-09	5.02E-08	7.75E-09	7.37E-09	1.15E-07
5101	474363.09	3864377.25	3.98E-04	4.03E-04	3.98E-04	1.38E-07	4.15E-07	2.41E-07	2.41E-07	2.21E-07	1.01E-07	9.97E-08	0.00E+00	0.00E+00	4.42E-08	8.16E-09	5.25E-08	8.10E-09	7.72E-09	1.21E-07
5102	474863.09	3864377.25	4.19E-04	4.24E-04	4.20E-04	1.45E-07	4.37E-07	2.53E-07	2.53E-07	2.33E-07	1.06E-07	1.05E-07	0.00E+00	0.00E+00	4.66E-08	8.60E-09	5.53E-08	8.52E-09	8.14E-09	1.27E-07
5103	475363.09	3864377.25	4.39E-04	4.45E-04	4.41E-04	1.52E-07	4.59E-07	2.66E-07	2.66E-07	2.44E-07	1.11E-07	1.10E-07	0.00E+00	0.00E+00	4.89E-08	9.02E-09	5.80E-08	8.95E-09	8.55E-09	1.33E-07
5104	475863.09	3864377.25	4.60E-04	4.66E-04	4.62E-04	1.59E-07	4.81E-07	2.78E-07	2.78E-07	2.56E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.12E-08	9.44E-09	6.07E-08	9.36E-09	8.95E-09	1.40E-07
5105	476363.09	3864377.25	4.78E-04	4.84E-04	4.80E-04	1.65E-07	5.00E-07	2.89E-07	2.89E-07	2.66E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.32E-08	9.82E-09	6.31E-08	9.73E-09	9.30E-09	1.45E-07
5106	476863.09	3864377.25	4.96E-04	5.03E-04	4.98E-04	1.72E-07	5.18E-07	3.00E-07	3.00E-07	2.76E-07	1.26E-07	1.25E-07	0.00E+00	0.00E+00	5.52E-08	1.02E-08	6.55E-08	1.01E-08	9.65E-09	1.51E-07
5107	477363.09	3864377.25	5.19E-04	5.26E-04	5.21E-04	1.80E-07	5.42E-07	3.14E-07	3.14E-07	2.88E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	5.77E-08	1.07E-08	6.85E-08	1.06E-08	1.01E-08	1.58E-07
5108	477863.09	3864377.25	5.42E-04	5.49E-04	5.44E-04	1.88E-07	5.66E-07	3.28E-07	3.28E-07	3.01E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	6.03E-08	1.11E-08	7.16E-08	1.10E-08	1.05E-08	1.65E-07
5109	478363.09	3864377.25	5.67E-04	5.75E-04	5.70E-04	1.96E-07	5.93E-07	3.43E-07	3.43E-07	3.15E-07	1.44E-07	1.43E-07	0.00E+00	0.00E+00	6.31E-08	1.16E-08	7.49E-08	1.15E-08	1.10E-08	1.72E-07
5110	478863.09	3864377.25	5.93E-04	6.00E-04	5.96E-04	2.05E-07	6.19E-07	3.59E-07	3.59E-07	3.29E-07	1.50E-07	1.49E-07	0.00E+00	0.00E+00	6.60E-08	1.22E-08	7.82E-08	1.21E-08	1.15E-08	1.80E-07
5111	479363.09	3864377.25	6.18E-04	6.26E-04	6.20E-04	2.14E-07	6.46E-07	3.74E-07	3.74E-07	3.43E-07	1.57E-07	1.55E-07	0.00E+00	0.00E+00	6.88E-08	1.27E-08	8.16E-08	1.26E-08	1.20E-08	1.88E-07
5112	479863.09	3864377.25	6.40E-04	6.48E-04	6.42E-04	2.21E-07	6.69E-07	3.87E-07	3.87E-07	3.56E-07	1.62E-07	1.61E-07	0.00E+00	0.00E+00	7.12E-08	1.31E-08	8.45E-08	1.30E-08	1.24E-08	1.94E-07
5113	480363.09	3864377.25	6.59E-04	6.68E-04	6.61E-04	2.28E-07	6.88E-07	3.99E-07	3.99E-07	3.66E-07	1.67E-07	1.65E-07	0.00E+00	0.00E+00	7.33E-08	1.35E-08	8.70E-08	1.34E-08	1.28E-08	2.00E-07
5114	480863.09	3864377.25	6.74E-04	6.84E-04	6.77E-04	2.33E-07	7.05E-07	4.08E-07	4.08E-07	3.75E-07	1.71E-07	1.69E-07	0.00E+00	0.00E+00	7.51E-08	1.38E-08	8.91E-08	1.37E-08	1.31E-08	2.05E-07
5115	481363.09	3864377.25	6.91E-04	7.00E-04	6.94E-04	2.39E-07	7.22E-07	4.18E-07	4.18E-07	3.84E-07	1.75E-07	1.74E-07	0.00E+00	0.00E+00	7.69E-08	1.42E-08	9.12E-08	1.41E-08	1.34E-08	2.10E-07
5116	481863.09	3864377.25	7.14E-04	7.24E-04	7.19E-04	2.47E-07	7.47E-07	4.32E-07	4.32E-07	3.97E-07	1.81E-07	1.80E-07	0.00E+00	0.00E+00	7.95E-08	1.47E-08	9.43E-08	1.45E-08	1.39E-08	2.17E-07
5117	482363.09	3864377.25	7.42E-04	7.51E-04	7.47E-04	2.57E-07	7.75E-07	4.49E-07	4.49E-07	4.12E-07	1.88E-07	1.87E-07	0.00E+00	0.00E+00	8.26E-08	1.52E-08	9.79E-08	1.51E-08	1.45E-08	2.25E-07
5118	482863.09	3864377.25	7.68E-04	7.78E-04	7.74E-04	2.66E-07	8.03E-07	4.65E-07	4.65E-07	4.27E-07	1.95E-07	1.94E-07	0.00E+00	0.00E+00	8.55E-08	1.58E-08	1.01E-07	1.56E-08	1.50E-08	2.33E-07
5119	483363.09	3864377.25	7.96E-04	8.05E-04	8.04E-04	2.75E-07	8.31E-07	4.81E-07	4.81E-07	4.42E-07	2.02E-07	2.01E-07	0.00E+00	0.00E+00	8.86E-08	1.63E-08	1.05E-07	1.62E-08	1.56E-08	2.42E-07
5120	483863.09	3864377.25	8.26E-04	8.36E-04	8.36E-04	2.86E-07	8.63E-07	5.00E-07	5.00E-07	4.58E-07	2.09E-07	2.09E-07	0.00E+00	0.00E+00	9.19E-08	1.70E-08	1.09E-07	1.68E-08	1.62E-08	2.51E-07
5121	484363.09	3864377.25	8.52E-04	8.62E-04	8.63E-04	2.95E-07	8.91E-07	5.16E-07	5.16E-07	4.73E-07	2.16E-07	2.16E-07	0.00E+00	0.00E+00	9.49E-08	1.75E-08	1.12E-07	1.73E-08	1.67E-08	2.59E-07
5122	484863.09	3864377.25	8.74E-04	8.84E-04	8.86E-04	3.03E-07	9.13E-07	5.29E-07	5.29E-07	4.85E-07	2.21E-07	2.22E-07	0.00E+00	0.00E+00	9.73E-08	1.79E-08	1.15E-07	1.78E-08	1.72E-08	2.65E-07
5123	485363.09	3864377.25	9.05E-04	9.14E-04	9.21E-04	3.13E-07	9.46E-07	5.47E-07	5.47E-07	5.01E-07	2.29E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.86E-08	1.19E-07	1.84E-08	1.78E-08	2.75E-07
5124	485863.09	3864377.25	9.27E-04	9.36E-04	9.46E-04	3.21E-07	9.69E-07	5.61E-07	5.61E-07	5.13E-07	2.34E-07	2.37E-07	0.00E+00	0.00E+00	1.03E-07	1.90E-08	1.22E-07	1.88E-08	1.83E-08	2.81E-07
5125	486363.09	3864377.25	9.14E-04	9.23E-04	9.33E-04	3.16E-07	9.55E-07	5.53E-07	5.53E-07	5.06E-07	2.31E-07	2.33E-07	0.00E+00	0.00E+00	1.02E-07	1.88E-08	1.20E-07	1.85E-08	1.81E-08	2.77E-07
5126	486863.09	3864377.25	9.16E-04	9.24E-04	9.35E-04	3.17E-07	9.57E-07	5.54E-07	5.54E-07	5.07E-07	2.31E-07	2.34E-07	0.00E+00	0.00E+00	1.02E-07	1.88E-08	1.20E-07	1.86E-08	1.81E-08	2.78E-07
5127	487363.09	3864377.25	9.07E-04	9.15E-04	9.25E-04	3.14E-07	9.48E-07	5.49E-07	5.49E-07	5.02E-07	2.29E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.86E-08	1.19E-07	1.84E-08	1.79E-08	2.75E-07
5128	487863.09	3864377.25	9.10E-04	9.19E-04	9.26E-04	3.15E-07	9.51E-07	5.51E-07	5.51E-07	5.04E-07	2.30E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.87E-08	1.20E-07	1.85E-08	1.79E-08	2.76E-07
5129	488363.09	3864377.25	9.01E-04	9.10E-04	9.16E-04	3.12E-07	9.41E-07	5.45E-07	5.45E-07	4.99E-07	2.28E-07	2.29E-07	0.00E+00	0.00E+00	1.00E-07	1.85E-08	1.19E-07	1.83E-08	1.77E-08	2.73E-07
5130	488863.09	3864377.25	8.86E-04	8.95E-04	9.01E-04	3.07E-07	9.26E-07	5.36E-07	5.36E-07	4.91E-07	2.24E-07	2.26E-07	0.00E+00	0.00E+00	9.86E-08	1.82E-08	1.17E-07	1.80E-08	1.75E-08	2.69E-07
5131	489363.09	3864377.25	8.90E-04	8.99E-04	9.07E-04	3.08E-07	9.30E-07	5.39E-07	5.39E-07	4.93E-07	2.25E-07	2.27E-07	0.00E+00	0.00E+00	9.91E-08	1.83E-08	1.17E-07	1.81E-08	1.76E-08	2.70E-07
5132	489863.09	3864377.25	9.04E-04	9.13E-04	9.22E-04	3.13E-07	9.45E-07	5.47E-07	5.47E-07	5.01E-07	2.28E-07	2.31E-07	0.00E+00	0.00E+00	1.01E-07	1.86E-08	1.19E-07	1.83E-08	1.79E-08	2.74E-07
5133	490363.09	3864377.25	9.10E-04	9.19E-04	9.27E-04	3.15E-07	9.51E-07	5.51E-07	5.51E-07	5.04E-07	2.30E-07	2.32E-07	0.00E+00	0.00E+00	1.01E-07	1.87E-08	1.20E-07	1.85E-08	1.80E-08	2.76E-07
5134	490863.09	3864377.25	9.25E-04	9.34E-04	9.41E-04	3.20E-07	9.67E-07	5.60E-07	5.60E-07	5.13E-07	2.34E-07	2.36E-07	0.00E+00	0.00E+00	1.03E-07	1.90E-08	1.22E-07	1.88E-08	1.82E-08	2.81E-07
5135	491363.09	3864377.25	9.45E-04	9.55E-04	9.62E-04	3.27E-07	9.88E-07	5.72E-07	5.72E-07	5.24E-07	2.39E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.94E-08	1.24E-07	1.92E-08	1.86E-08	2.87E-07
5136	491863.09	3864377.25	4.07E-04	4.14E-04	4.01E-04	1.41E-07	4.25E-07	2.46E-07	2.46E-07	2.27E-07	1.04E-07	1.00E-07	0.00E+00	0.00E+00	4.53E-08	8.35E-09	5.39E-08	8.32E-09	7.78E-09	1.24E-07
5137	492363.09	3864377.25	7.78E-04	7.88E-04	7.82E-04	2.69E-07	8.13E-07	4.71E-07	4.71E-07	4.32E-07	1.97E-07	1.96E-07	0.00E+00	0.00E+00	8.66E-08	1.60E-08	1.03E-07	1.58E-08	1.52E-08	2.36E-07
5138	492863.09	3864377.25	5.65E-04	5.74E-04	5.61E-04	1.95E-07	5.90E-07	3.42E-07	3.42E-07	3.15E-07	1.44E-07	1.40E-07	0.00E+00	0.00E+00	6.28E-08	1.16E-08	7.47E-08	1.15E-08	1.09E-08	1.72E-07

5139	493363.09	3864377.25	7.60E-04	7.69E-04	7.66E-04	2.63E-07	7.94E-07	4.60E-07	4.60E-07	4.22E-07	1.93E-07	1.92E-07	0.00E+00	0.00E+00	8.46E-08	1.56E-08	1.00E-07	1.55E-08	1.48E-08	2.31E-07
5140	493863.09	3864377.25	8.41E-04	8.51E-04	8.49E-04	2.91E-07	8.79E-07	5.09E-07	5.09E-07	4.67E-07	2.13E-07	2.13E-07	0.00E+00	0.00E+00	9.36E-08	1.73E-08	1.11E-07	1.71E-08	1.65E-08	2.55E-07
5141	494363.09	3864377.25	8.80E-04	8.90E-04	8.88E-04	3.05E-07	9.19E-07	5.32E-07	5.32E-07	4.88E-07	2.23E-07	2.22E-07	0.00E+00	0.00E+00	9.79E-08	1.81E-08	1.16E-07	1.79E-08	1.72E-08	2.67E-07
5142	494863.09	3864377.25	9.11E-04	9.22E-04	9.21E-04	3.15E-07	9.53E-07	5.51E-07	5.51E-07	5.06E-07	2.31E-07	2.30E-07	0.00E+00	0.00E+00	1.01E-07	1.87E-08	1.20E-07	1.85E-08	1.78E-08	2.77E-07
5143	495363.09	3864377.25	9.31E-04	9.42E-04	9.43E-04	3.22E-07	9.73E-07	5.64E-07	5.64E-07	5.17E-07	2.36E-07	2.36E-07	0.00E+00	0.00E+00	1.04E-07	1.91E-08	1.23E-07	1.89E-08	1.83E-08	2.83E-07
5144	495863.09	3864377.25	9.46E-04	9.56E-04	9.61E-04	3.28E-07	9.89E-07	5.73E-07	5.73E-07	5.25E-07	2.39E-07	2.41E-07	0.00E+00	0.00E+00	1.05E-07	1.94E-08	1.25E-07	1.92E-08	1.86E-08	2.87E-07
5145	496363.09	3864377.25	9.59E-04	9.68E-04	9.76E-04	3.32E-07	1.00E-06	5.80E-07	5.80E-07	5.31E-07	2.42E-07	2.44E-07	0.00E+00	0.00E+00	1.07E-07	1.97E-08	1.26E-07	1.95E-08	1.89E-08	2.91E-07
5146	496863.09	3864377.25	9.68E-04	9.77E-04	9.86E-04	3.35E-07	1.01E-06	5.86E-07	5.86E-07	5.36E-07	2.45E-07	2.47E-07	0.00E+00	0.00E+00	1.08E-07	1.99E-08	1.27E-07	1.96E-08	1.91E-08	2.94E-07
5147	497363.09	3864377.25	9.76E-04	9.85E-04	9.95E-04	3.38E-07	1.02E-06	5.90E-07	5.90E-07	5.40E-07	2.46E-07	2.49E-07	0.00E+00	0.00E+00	1.09E-07	2.00E-08	1.28E-07	1.98E-08	1.93E-08	2.96E-07
5148	497863.09	3864377.25	9.80E-04	9.89E-04	9.99E-04	3.39E-07	1.02E-06	5.93E-07	5.93E-07	5.42E-07	2.47E-07	2.50E-07	0.00E+00	0.00E+00	1.09E-07	2.01E-08	1.29E-07	1.99E-08	1.94E-08	2.97E-07
5149	498363.09	3864377.25	9.64E-04	9.73E-04	9.83E-04	3.34E-07	1.01E-06	5.83E-07	5.83E-07	5.34E-07	2.44E-07	2.46E-07	0.00E+00	0.00E+00	1.07E-07	1.98E-08	1.27E-07	1.96E-08	1.91E-08	2.93E-07
5150	471363.09	3864877.25	3.06E-04	3.11E-04	3.05E-04	1.06E-07	3.20E-07	1.85E-07	1.85E-07	1.71E-07	7.79E-08	7.63E-08	0.00E+00	0.00E+00	3.41E-08	6.29E-09	4.06E-08	6.25E-09	5.91E-09	9.31E-08
5151	471863.09	3864877.25	3.16E-04	3.20E-04	3.15E-04	1.09E-07	3.30E-07	1.91E-07	1.91E-07	1.76E-07	8.02E-08	7.87E-08	0.00E+00	0.00E+00	3.51E-08	6.48E-09	4.17E-08	6.44E-09	6.10E-09	9.59E-08
5152	472363.09	3864877.25	3.27E-04	3.31E-04	3.26E-04	1.13E-07	3.41E-07	1.98E-07	1.98E-07	1.82E-07	8.29E-08	8.16E-08	0.00E+00	0.00E+00	3.64E-08	6.71E-09	4.32E-08	6.66E-09	6.32E-09	9.92E-08
5153	472863.09	3864877.25	3.39E-04	3.44E-04	3.39E-04	1.17E-07	3.55E-07	2.05E-07	2.05E-07	1.89E-07	8.62E-08	8.49E-08	0.00E+00	0.00E+00	3.78E-08	6.97E-09	4.49E-08	6.92E-09	6.58E-09	1.03E-07
5154	473363.09	3864877.25	3.56E-04	3.61E-04	3.56E-04	1.23E-07	3.72E-07	2.15E-07	2.15E-07	1.98E-07	9.03E-08	8.92E-08	0.00E+00	0.00E+00	3.96E-08	7.31E-09	4.70E-08	7.25E-09	6.91E-09	1.08E-07
5155	473863.09	3864877.25	3.73E-04	3.78E-04	3.74E-04	1.29E-07	3.89E-07	2.25E-07	2.25E-07	2.07E-07	9.45E-08	9.35E-08	0.00E+00	0.00E+00	4.15E-08	7.65E-09	4.92E-08	7.59E-09	7.24E-09	1.13E-07
5156	474363.09	3864877.25	3.90E-04	3.95E-04	3.91E-04	1.35E-07	4.07E-07	2.36E-07	2.36E-07	2.16E-07	9.88E-08	9.78E-08	0.00E+00	0.00E+00	4.34E-08	8.00E-09	5.14E-08	7.93E-09	7.58E-09	1.18E-07
5157	474863.09	3864877.25	4.06E-04	4.12E-04	4.08E-04	1.41E-07	4.25E-07	2.46E-07	2.46E-07	2.26E-07	1.03E-07	1.02E-07	0.00E+00	0.00E+00	4.52E-08	8.34E-09	5.36E-08	8.27E-09	7.91E-09	1.23E-07
5158	475363.09	3864877.25	4.21E-04	4.26E-04	4.23E-04	1.46E-07	4.40E-07	2.55E-07	2.55E-07	2.34E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.69E-08	8.64E-09	5.56E-08	8.57E-09	8.19E-09	1.28E-07
5159	475863.09	3864877.25	4.35E-04	4.41E-04	4.37E-04	1.51E-07	4.55E-07	2.63E-07	2.63E-07	2.42E-07	1.10E-07	1.09E-07	0.00E+00	0.00E+00	4.84E-08	8.93E-09	5.74E-08	8.85E-09	8.46E-09	1.32E-07
5160	476363.09	3864877.25	4.50E-04	4.56E-04	4.52E-04	1.56E-07	4.70E-07	2.72E-07	2.72E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.01E-08	9.24E-09	5.94E-08	9.17E-09	8.76E-09	1.37E-07
5161	476863.09	3864877.25	4.68E-04	4.74E-04	4.70E-04	1.62E-07	4.89E-07	2.83E-07	2.83E-07	2.60E-07	1.19E-07	1.18E-07	0.00E+00	0.00E+00	5.21E-08	9.61E-09	6.18E-08	9.53E-09	9.10E-09	1.42E-07
5162	477363.09	3864877.25	4.88E-04	4.95E-04	4.90E-04	1.69E-07	5.10E-07	2.95E-07	2.95E-07	2.71E-07	1.24E-07	1.23E-07	0.00E+00	0.00E+00	5.43E-08	1.00E-08	6.45E-08	9.94E-09	9.50E-09	1.48E-07
5163	477863.09	3864877.25	5.10E-04	5.16E-04	5.12E-04	1.76E-07	5.33E-07	3.08E-07	3.08E-07	2.83E-07	1.29E-07	1.28E-07	0.00E+00	0.00E+00	5.67E-08	1.05E-08	6.73E-08	1.04E-08	9.92E-09	1.55E-07
5164	478363.09	3864877.25	5.31E-04	5.38E-04	5.34E-04	1.84E-07	5.55E-07	3.21E-07	3.21E-07	2.95E-07	1.35E-07	1.34E-07	0.00E+00	0.00E+00	5.91E-08	1.09E-08	7.01E-08	1.08E-08	1.03E-08	1.61E-07
5165	478863.09	3864877.25	5.51E-04	5.58E-04	5.53E-04	1.91E-07	5.76E-07	3.33E-07	3.33E-07	3.06E-07	1.40E-07	1.38E-07	0.00E+00	0.00E+00	6.13E-08	1.13E-08	7.28E-08	1.12E-08	1.07E-08	1.67E-07
5166	479363.09	3864877.25	5.67E-04	5.74E-04	5.69E-04	1.96E-07	5.92E-07	3.43E-07	3.43E-07	3.15E-07	1.44E-07	1.42E-07	0.00E+00	0.00E+00	6.31E-08	1.16E-08	7.49E-08	1.15E-08	1.10E-08	1.72E-07
5167	479863.09	3864877.25	5.79E-04	5.87E-04	5.80E-04	2.00E-07	6.05E-07	3.50E-07	3.50E-07	3.22E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.45E-08	1.19E-08	7.65E-08	1.18E-08	1.12E-08	1.76E-07
5168	480363.09	3864877.25	5.91E-04	6.00E-04	5.92E-04	2.05E-07	6.18E-07	3.58E-07	3.58E-07	3.29E-07	1.50E-07	1.48E-07	0.00E+00	0.00E+00	6.58E-08	1.21E-08	7.82E-08	1.21E-08	1.15E-08	1.80E-07
5169	480863.09	3864877.25	6.05E-04	6.13E-04	6.06E-04	2.09E-07	6.32E-07	3.66E-07	3.66E-07	3.36E-07	1.53E-07	1.52E-07	0.00E+00	0.00E+00	6.73E-08	1.24E-08	7.99E-08	1.23E-08	1.18E-08	1.84E-07
5170	481363.09	3864877.25	6.24E-04	6.33E-04	6.27E-04	2.16E-07	6.53E-07	3.78E-07	3.78E-07	3.47E-07	1.58E-07	1.57E-07	0.00E+00	0.00E+00	6.95E-08	1.28E-08	8.25E-08	1.27E-08	1.22E-08	1.90E-07
5171	481863.09	3864877.25	6.48E-04	6.57E-04	6.52E-04	2.24E-07	6.77E-07	3.92E-07	3.92E-07	3.60E-07	1.64E-07	1.63E-07	0.00E+00	0.00E+00	7.21E-08	1.33E-08	8.56E-08	1.32E-08	1.26E-08	1.97E-07
5172	482363.09	3864877.25	6.70E-04	6.79E-04	6.74E-04	2.32E-07	7.00E-07	4.06E-07	4.06E-07	3.72E-07	1.70E-07	1.69E-07	0.00E+00	0.00E+00	7.46E-08	1.38E-08	8.85E-08	1.36E-08	1.31E-08	2.04E-07
5173	482863.09	3864877.25	6.94E-04	7.03E-04	7.00E-04	2.40E-07	7.26E-07	4.20E-07	4.20E-07	3.86E-07	1.76E-07	1.75E-07	0.00E+00	0.00E+00	7.73E-08	1.43E-08	9.16E-08	1.41E-08	1.36E-08	2.11E-07
5174	483363.09	3864877.25	7.23E-04	7.32E-04	7.31E-04	2.50E-07	7.56E-07	4.38E-07	4.38E-07	4.01E-07	1.83E-07	1.83E-07	0.00E+00	0.00E+00	8.05E-08	1.49E-08	9.54E-08	1.47E-08	1.42E-08	2.20E-07
5175	483863.09	3864877.25	7.45E-04	7.54E-04	7.53E-04	2.58E-07	7.79E-07	4.51E-07	4.51E-07	4.13E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.29E-08	1.53E-08	9.82E-08	1.51E-08	1.46E-08	2.26E-07
5176	484363.09	3864877.25	7.59E-04	7.68E-04	7.67E-04	2.63E-07	7.93E-07	4.59E-07	4.59E-07	4.21E-07	1.92E-07	1.92E-07	0.00E+00	0.00E+00	8.44E-08	1.56E-08	1.00E-07	1.54E-08	1.49E-08	2.30E-07
5177	484863.09	3864877.25	7.76E-04	7.84E-04	7.86E-04	2.69E-07	8.11E-07	4.69E-07	4.69E-07	4.30E-07	1.96E-07	1.97E-07	0.00E+00	0.00E+00	8.63E-08	1.59E-08	1.02E-07	1.58E-08	1.52E-08	2.35E-07
5178	485363.09	3864877.25	8.00E-04	8.08E-04	8.13E-04	2.77E-07	8.36E-07	4.84E-07	4.84E-07	4.43E-07	2.02E-07	2.03E-07	0.00E+00	0.00E+00	8.90E-08	1.64E-08	1.05E-07	1.62E-08	1.58E-08	2.43E-07
5179	485863.09	3864877.25	8.02E-04	8.10E-04	8.16E-04	2.78E-07	8.38E-07	4.85E-07	4.85E-07	4.44E-07	2.03E-07	2.04E-07	0.00E+00	0.00E+00	8.92E-08	1.65E-08	1.06E-07	1.63E-08	1.58E-08	2.43E-07
5180	486363.09	3864877.25	7.94E-04	8.02E-04	8.09E-04	2.75E-07	8.30E-07	4.80E-07	4.80E-07	4.40E-07	2.01E-07	2.02E-07	0.00E+00	0.00E+00	8.84E-08	1.63E-08	1.04E-07	1.61E-08	1.57E-08	2.41E-07
5181	486863.09	3864877.25	7.98E-04	8.05E-04	8.14E-04	2.76E-07	8.34E-07	4.83E-07	4.83E-07	4.42E-07	2.02E-07	2.04E-07	0.00E+00	0.00E+00	8.88E-08	1.64E-08	1.05E-07	1.62E-08	1.58E-08	2.42E-07
5182	487363.09	3864877.25	7.86E-04	7.93E-04	8.00E-04	2.72E-07	8.21E-07	4.75E-07	4.75E-07	4.35E-07	1.99E-07	2.00E-07	0.00E+00	0.00E+00	8.74E-08	1.61E-08	1.03E-07	1.59E-08	1.55E-08	2.38E-07
5183	487863.09	3864877.25	7.84E-04	7.92E-04	7.97E-04	2.71E-07	8.20E-07	4.74E-07	4.74E-07	4.35E-07	1.98E-07	1.99E-07	0.00E+00	0.00E+00	8.73E-08	1.61E-08	1.03E-07	1.59E-08	1.54E-08	2.38E-07
5184	488363.09	3864877.25	7.78E-04	7.86E-04	7.89E-04	2.69E-07	8.13E-07	4.71E-07	4.71E-07	4.31E-07	1.97E-07	1.98E-07	0.00E+00	0.00E+00	8.66E-08	1.60E-08	1.02E-07	1.58E-08	1.53E-08	2.36E-07
5185	488863.09	3864877.25	7.69E-04	7.77E-04	7.80E-04	2.66E-07	8.04E-07	4.65E-07	4.65E-07	4.26E-07	1.95E-07	1.95E-07	0.00E+00	0.00E+00	8.56E-08	1.58E-08	1.01E-07	1.56E-08	1.51E-08	2.33E-07
5186	489363.09	3864877.25	7.72E-04	7.80E-04	7.85E-04	2.67E-07	8.07E-07	4.67E-07	4.67E-07	4.28E-07	1.95E-07	1.96E-07	0.00E+00	0.00E+00	8.60E-08	1.59E-08	1.02E-07	1.57E-08	1.52E-08	2.34E-07
5187	489863.09	3864877.25	7.80E-04	7.88E-04	7.94E-04	2.70E-07	8.16E-07	4.72E-07	4.72E-07	4.32E-07	1.97E-07	1.99E-07	0.00E+00	0.00E+00	8.69E-08	1.60E-08	1.03E-07	1.58E-08	1.54E-08	2.37E-07
5188	490363.09	3864877.25	7.86E-04	7.94E-04	7.99E-04	2.72E-07	8.21E-07	4.75E-07	4.75E-07	4.35E-07	1.99E-07	2.00E-07	0.00E+00	0.00E+00	8.74E-08	1.61E-08	1.03E-07	1.59E-08	1.55E-08	2.38E-07
5189	490863.09	3864877.25	7.46E-04	7.55E-04	7.54E-04	2.58E-07	7.79E-07	4.51E-07	4.51E-07	4.14E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.30E-08	1.53E-08	9.83E-08	1.52E-08	1.46E-08	2.26E-07
5190	491363.09	3864877.25	8.09E-04	8.18E-04	8.20E-04	2.80E-07	8.45E-07	4.89E-07	4.89E-07	4.49E-07	2.05E-07	2.05E-07	0.00E+00	0.00E+00	9.00E-08	1.66E-08	1.07E-07	1.64E-08	1.59E-08	2.46E-07
5191	491863.09	3864877.25	7.45E-04	7.54E-04	7.53E-04	2.58E-07	7.79E-07	4.51E-07	4.51E-07	4.14E-07	1.89E-07	1.89E-07	0.00E+00	0.00E+00	8.30E-08	1.53E-08	9.83E-08	1.52E-08	1.46E-08	2.26E-07
5192	492363.09	3864877.25	2.66E-04	2.70E-04	2.63E-04	9.20E-08	2.78E-07	1.61E-07	1.61E-07	1.48E-07	6.77E-08	6.58E-08	0.00E+00	0.00E+00	2.96E-08	5.46E-09	3.52E-08	5.43E-09	5.10E-09	8.08E-08
5193	492863.09	3864877.25	3.66E-04	3.73E-04	3.61E-04	1.27E-07	3.83E-07	2.22E-07	2.22E-07	2.04E-07	9.33E-08	9.04E-08	0.00E+00	0.00E+00	4.08E-08	7.52E-09	4.86E-08	7.49E-09	7.00E-09	1.11E-07
5194	493363.09	3864877.25	3.76E-04	3.82E-04	3.73E-04	1.30E-07	3.93E-07	2.28E-07	2.28E-07	2.10E-07	9.57E-08	9.33E-08	0.00E+00	0.00E+00	4.19E-08	7.73E-09	4.98E-08	7.68E-09	7.23E-09	1.14E-07
5195	493863.09	3864877.25	7.02E-04	7.11E-04	7.08E-04	2.43E-07	7.34E-07	4.25E-07	4.25E-07	3.90E-07	1.78E-07	1.77E-07	0.00E+00	0.00E+00	7.82E-08	1.44E-08	9.27E-08	1.43E-08	1.37E-08	2.13E-07
5196	494363.09	3864877.25	7.64E-04	7.74E-04	7.72E-04	2.65E-07	7.99E-07	4.63E-07	4.63E-07	4.24E-07	1.94E-07	1.93E-07	0.00E+00	0.00E+00	8.51E-08	1.57E-08	1.01E-07	1.55E-08	1.50E-08	2.32E-07
5197	494863.09	3864877.25	7.70E-04	7.79E-04	7.76E-04	2.66E-07	8.04E-07	4.66E-07	4.66E-07	4.27E-07	1.95E-07	1.94E-07	0.00E+00	0.00E+00	8.57E-08	1.58E-08	1.02E-07	1.57E-08	1.50E-08	2.34E-07
5198	495363.09	3864877.25	7.85E-04	7.95E-04	7.91E-04	2.72E-07	8.21E-07	4.75E-07	4.75E-07	4.36E-07	1.99E-07	1.98E-07	0.00E+00	0.00E+00	8.74E-08	1.61E-08	1.04E-07	1.60E-08	1.53E-08	2.38E-07
5199	495863.09	3864877.25	8.07E-04	8.16E-04	8.15E-04	2.79E-07	8.43E-07	4.88E-07	4.88E-07	4.48E-07	2.04E-07	2.04E-07	0.00E+00	0.00E+00	8.98E-08	1.66E-08	1.06E-07	1.64E-08	1.58E-08	2.45E-07
5200	496363.09	3864877.25	8.09E-04	8.18E-04	8.19E-04	2.80E-07	8.45E-07	4.89E-07	4.89E-07	4.49E-07	2.05E-07	2.05E-07	0.00E+00	0.00E+00	9.00E-08	1.66E-08	1.07E-07	1.64E-08	1.59E-08	2.46E-07
5201	496863.09	3864877.25	8.20E-04	8.29E-04	8.33E-04	2.84E-07	8.57E-07	4.96E-07	4.96E-07	4.55E-07	2.07E-07	2.08E-07	0.00E+00	0.00E+00	9.13E-08	1.68E-08	1.08E-07	1.67E-08	1.61E-08	2.49E-07
5202	497363.09	3864877.25	8.33E-04	8.42E-04	8.47E-04	2.88E-07	8.71E-07	5.04E-07	5.04E-07	4.62E-07	2.11E-07	2.12E-07	0.00E+00	0.00E+00	9.28E-08	1.71E-08	1.10E-07	1.69E-08	1.64E-08	2.53E-07
5203	497863.09	3864877.25	8.43E-04	8.52E-04	8.58E-04	2.92E-07	8.82E-07	5.10E-07	5.10E-07	4.67E-07	2.13E-07	2.15E-07	0.00E+00	0.00E+00	9.39E-08	1.73E-08	1.11E-07	1.71E-08	1.66E-08	2.56E-07
5204	498363.09	3864877.25	8.53E-04	8.61E-04	8.68E-04	2.95E-07	8.91E-07	5.16E-07	5.16E-07	4.72E-07	2.16E-07	2.17E-07	0.00E+00	0.00E+00	9.49E-08	1.75E-08	1.12E-07	1.73E-08	1.68E-08	2.59E-07
5205	471363.09	3865377.25	2.97E-04	3.01E-04	2.96E-04	1.03E-07	3.10E-07	1.79E-07	1.79E-07	1.65E-07	7.53E-08	7.41E-08	0.00E+00	0.00E+00	3.30E-08	6.09E-09	3.92E-08	6.05E-09	5.74E-09	9.01E-08
5206	471863.09	3865377.25	3.07E-04	3.12E-04	3.07E-04	1.06E-07	3.21E-07	1.86E-07	1.86E-07	1.71E-07	7.80E-08	7.69E-08	0.00E+00	0.00E+00	3.42E-08	6.31E-09	4.06E-08	6.27E-09	5.96E-09	9.34E-08
5207	472363.09	3865377.25	3.20E-04	3.25E-04	3.21E-04	1.11E-07	3.35E-07	1.94E-07	1.94E-07	1.78E-07	8.13E-08	8.03E-08	0.00E+00	0.00E+00	3.57E-08	6.58E-09	4.23E-08	6.53E-09	6.21E-09	9.73E-08
5208	472863.09	3865377.25	3.33E-04	3.38E-04	3.34E-04	1.15E-07	3.48E-07	2.02E-07	2.02E-07	1.85E-07	8.45E-08	8.35E-08	0.00E+00	0.00E+00	3.71E-08	6.84E-09	4.40E-08	6.79E-09	6.47E-09	1.01E-07
5209	473363.09	3865377.25	3.48E-04	3.53E-04	3.49E-04	1.21E-07	3.64E-07	2.11E-07	2.11E-07	1.94E-07	8.83E-08	8.74E-08	0.00E+00	0.00E+00	3.88E-08	7.15E-09	4.60E-08	7.09E-09	6.77E-09	1.06E-07
5210	473863.09	3865377.25	3.61E-04	3.66E-04	3.63E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.01E-07	9.16E-08	9.08E-08	0.00E+00	0.00E+00	4.02E-08	7.42E-09	4.77E-08	7.36E-09	7.03E-09	1.10E-07
5211	474363.09	3865377.25	3.74E-04	3.78E-04	3.75E-04	1.29E-07	3.90E-07	2.26E-07	2.26E-07	2.08E-07	9.47E-08	9.39E-08	0.00E+00	0.00E+00	4.16E-08	7.67E-09	4.93E-08	7.61E-09	7.27E-09	1.13E-07
5212	474863.09	3865377.25	3.85E-04	3.90E-04	3.87E-04	1.33E-07	4.03E-07	2.33E-07	2.33E-07	2.14E-07	9.76E-08	9.68E-08	0.00E+00	0.00E+00	4.29E-08	7.91E-09	5.08E-08	7.84E-09	7.49E-09	1.17E-07
5213	475363.09	3865377.25	3.97E-04	4.02E-04	3.98E-04	1.37E-07	4.15E-07	2.40E-07	2.40E-07	2.20E-07	1.01E-07	9.97E-08	0.00E+00	0.00E+00	4.42E-08	8.15E-09	5.24E-08	8.08E-09	7.72E-09	1.20E-07
5214	475863.09	3865377.25	4.10E-04	4.15E-04	4.12E-04	1.42E-07	4.28E-07	2.48E-07	2.48E-07	2.28E-07	1.04E-07	1.03E-07	0.00E+00	0.00E+00	4.56E-08	8.42E-09	5.41E-08	8.35E-09	7.97E-09	1.24E-07
5215	476363.09	3865377.25	4.22E-04	4.28E-04	4.23E-04	1.46E-07	4.41E-07	2.55E-07	2.55E-07	2.35E-07	1.07E-07	1.06E-07	0.00E+00	0.00E+00	4.70E-08	8.67E-09	5.57E-08	8.60E-09	8.20E-09	1.28E-07
5216	476863.09	3865377.25	4.08E-04	4.14E-04	4.07E-04	1.41E-07	4.26E-07	2.47E-07	2.47E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.54E-08	8.38E-09	5.39E-08	8.32E-09	7.89E-09	1.24E-07
5217	477363.09	3865377.25	4.58E-04	4.64E-04	4.59E-04	1.59E-07	4.79E-07	2.77E-07	2.77E-07	2.55E-07	1.16E-07	1.15E-07	0.00E+00	0.00E+00	5.10E-08	9.40E-09	6.05E-08	9.33E-09	8.90E-09	1.39E-07
5218	477863.09	3865377.25	4.77E-04	4.84E-04	4.79E-04	1.65E-07	4.99E-07	2.89E-07	2.89E-07	2.65E-07	1.21E-07	1.20E-07	0.00E+00	0.00E+00	5.31E-08	9.80E-09	6.30E-08	9.72E-09	9.29E-09	1.45E-07
5219	478363.09	3865377.25	4.93E-04	5.00E-04	4.95E-04	1.71E-07	5.16E-07	2.99E-07	2.99E-07	2.74E-07	1.25E-07	1.24E-07	0.00E+00	0.00E+00	5.49E-08	1.01E-08	6.52E-08	1.00E-08	9.60E-09	1.50E-07
5220	478863.09	3865377.25	5.05E-04	5.12E-04	5.06E-04	1.75E-07	5.28E-07	3.06E-07	3.06E-07	2.81E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.62E-08	1.04E-08	6.67E-08	1.03E-08	9.81E-09	1.53E-07
5221	479363.09	3865377.25	5.13E-04	5.20E-04	5.14E-04	1.78E-07	5.36E-07	3.10E-07	3.10E-07	2.85E-07	1.30E-07	1.29E-07	0.00E+00	0.00E+00	5.71E-08	1.05E-08	6.78E-08	1.05E-08	9.95E-09	1.56E-07
5222	479863.09	3865377.25	5.23E-04	5.30E-04	5.23E-04	1.81E-07	5.46E-07	3.16E-07	3.16E-07	2.91E-07	1.33E-07	1.31E-07	0.00E+00	0.00E+00	5.82E-08	1.07E-08	6.91E-08	1.07E-08	1.01E-08	1.59E-07
5223	480363.09	3865377.25	5.35E-04	5.43E-04	5.36E-04	1.85E-07	5.60E-07	3.24E-07	3.24E-07	2.98E-07	1.36E-07	1.34E-07	0.00E+00	0.00E+00	5.96E-08	1.10E-08	7.08E-08	1.09E-08	1.04E-08	1.63E-07
5224	480863.09	3865377.25	5.53E-04	5.61E-04	5.54E-04	1.91E-07	5.78E-07	3.35E-07	3.35E-07	3.07E-07	1.40E-07	1.39E-07	0.00E+00	0.00E+00	6.15E-08	1.14E-08	7.31E-08	1.13E-08	1.07E-08	1.68E-07
5225	481363.09	3865377.25	5.72E-04	5.80E-04	5.75E-04	1.98E-07	5.98E-07	3.46E-07	3.46E-07	3.18E-07	1.45E-07	1.44E-07	0.00E+00	0.00E+00	6.37E-08	1.18E-08	7.56E-08	1.17E-08	1.11E-08	1.74E-07
5226	481863.09	3865377.25	5.90E-04	5.98E-04	5.94E-04	2.04E-07	6.17E-07	3.57E-07	3.57E-07	3.28E-07	1.50E-07	1.49E-07	0.00E+00	0.00E+00	6.57E-08	1.21E-08	7.80E-08	1.20E-08	1.15E-08	1.79E-07
5227	482363.09	3865377.25	6.09E-04	6.17E-04	6.13E-04	2.11E-07	6.37E-07	3.69E-07	3.69E-07	3.39E-07	1.54E-07	1.53E-07	0.00E+00	0.00E+00	6.78E-08	1.25E-08	8.04E-08	1.24E-08	1.19E-08	1.85E-07
5228	482863.09	3865377.25	6.35E-04	6.43E-04	6.40E-04	2.20E-07	6.64E-07	3.84E-07	3.84E-07	3.53E-07	1.61E-07	1.60E-07	0.00E+00	0.00E+00	7.07E-08	1.30E-08	8.38E-08	1.29E-08	1.24E-08	1.93E-07
5229	483363.09	3865377.25	6.61E-04	6.69E-04	6.68E-04	2.29E-07	6.91E-07	4.00E-07	4.00E-07	3.67E-07	1.67E-07	1.67E-07	0.00E+00	0.00E+00	7.36E-08	1.36E-08	8.72E-08	1.34E-08	1.29E-08	2.01E-07
5230	483863.09	3865377.25	6.72E-04	6.80E-04	6.79E-04	2.33E-07	7.03E-07	4.07E-07	4.07E-07	3.73E-07	1.70E-07	1.70E-07	0.00E+00	0.00E+00	7.49E-08	1.38E-08	8.87E-08	1.37E-08	1.32E-08	2.04E-07
5231	484363.09	3865377.25	6.80E-04	6.88E-04	6.87E-04	2.35E-07	7.10E-07	4.11E-07	4.11E-07	3.77E-07	1.72E-07	1.72E-07	0.00E+00	0.00E+00	7.57E-08	1.40E-08	8.96E-08	1.38E-08	1.33E-08	2.06E-07
5232	484863.09	3865377.25	6.95E-04	7.03E-04	7.04E-04	2.41E-07	7.26E-07	4.20E-07	4.20E-07	3.86E-07	1.76E-07	1.76E-07	0.00E+00	0.00E+00	7.74E-08	1.43E-08	9.16E-08	1.41E-08	1.36E-08	2.11E-07
5233	485363.09	3865377.25	7.07E-04	7.14E-04	7.18E-04	2.45E-07	7.39E-07	4.28E-07	4.28E-07	3.92E-07	1.79E-07	1.80E-07	0.00E+00	0.00E+00	7.87E-08	1.45E-08	9.31E-08	1.44E-08	1.39E-08	2.15E-07
5234	485863.09	3865377.25	6.98E-04	7.06E-04	7.10E-04	2.42E-07	7.30E-07	4.23E-07	4.23E-07	3.87E-07	1.77E-07	1.78E-07	0.00E+00	0.00E+00	7.77E-08	1.43E-08	9.20E-08	1.42E-08	1.38E-08	2.12E-07
5235	486363.09	3865377.25	7.01E-04	7.08E-04	7.14E-04	2.43E-07	7.33E-07	4.24E-07	4.24E-07	3.88E-07	1.77E-07	1.79E-07	0.00E+00	0.00E+00	7.80E-08	1.44E-08	9.23E-08	1.42E-08	1.38E-08	2.13E-07
5236	486863.09	3865377.25	7.03E-04	7.10E-04	7.16E-04	2.43E-07	7.35E-07	4.26E-07	4.26E-07	3.90E-07	1.78E-07	1.79E-07	0.00E+00	0.00E+00	7.83E-08	1.44E-08	9.26E-08	1.43E-08	1.39E-08	2.13E-07
5237	487363.09	3865377.25	6.92E-04	6.99E-04	7.03E-04	2.39E-07	7.23E-07	4.19E-07	4.19E-07	3.83E-07	1.75E-07	1.76E-07	0.00E+00	0.00E+00	7.70E-08	1.42E-08	9.11E-08	1.40E-08	1.36E-08	2.10E-07
5238	487863.09	3865377.25	6.88E-04	6.95E-04	6.98E-04	2.38E-07	7.19E-07	4.16E-07	4.16E-07	3.81E-07	1.74E-07	1.75E-07	0.00E+00	0.00E+00	7.65E-08	1.41E-08	9.06E-08	1.40E-08	1.35E-08	2.09E-07
5239	488363.09	3865377.25	6.81E-04	6.88E-04	6.89E-04	2.36E-07	7.11E-07	4.12E-07	4.12E-07	3.78E-07	1.72E-07	1.73E-07	0.00E+00	0.00E+00	7.58E-08	1.40E-08	8.97E-08	1.38E-08	1.34E-08	2.07E-07
5240	488863.09	3865377.25	6.74E-04	6.82E-04	6.83E-04	2.33E-07	7.05E-07	4.08E-07	4.08E-07	3.74E-07	1.71E-07	1.71E-07	0.00E+00	0.00E+00	7.51E-08	1.38E-08	8.89E-08	1.37E-08	1.32E-08	2.05E-07
5241	489363.09	3865377.25	6.81E-04	6.88E-04	6.91E-04	2.36E-07	7.12E-07	4.12E-07	4.12E-07	3.78E-07	1.72E-07	1.73E-07	0.00E+00	0.00E+00	7.58E-08	1.40E-08	8.97E-08	1.38E-08	1.34E-08	2.07E-07
5242	489863.09	3865377.25	6.90E-04	6.97E-04	7.01E-04	2.39E-07	7.21E-07	4.17E-07	4.17E-07	3.82E-07	1.74E-07	1.75E-07	0.00E+00	0.00E+00	7.68E-08	1.42E-08	9.08E-08	1.40E-08	1.36E-08	2.09E-07
5243	490363.09	3865377.25	6.61E-04	6.68E-04	6.69E-04	2.29E-07	6.91E-07	4.00E-07	4.00E-07	3.67E-07	1.67E-07	1.68E-07	0.00E+00	0.00E+00	7.35E-08	1.36E-08	8.71E-08	1.34E-08	1.30E-08	2.01E-07

5244	490863.09	3865377.25	6.39E-04	6.47E-04	6.45E-04	2.21E-07	6.68E-07	3.87E-07	3.87E-07	3.55E-07	1.62E-07	1.61E-07	0.00E+00	0.00E+00	7.11E-08	1.31E-08	8.43E-08	1.30E-08	1.25E-08	1.94E-07
5245	491363.09	3865377.25	6.28E-04	6.36E-04	6.32E-04	2.17E-07	6.57E-07	3.80E-07	3.80E-07	3.49E-07	1.59E-07	1.58E-07	0.00E+00	0.00E+00	6.99E-08	1.29E-08	8.29E-08	1.28E-08	1.23E-08	1.91E-07
5246	491863.09	3865377.25	6.44E-04	6.53E-04	6.49E-04	2.23E-07	6.74E-07	3.90E-07	3.90E-07	3.58E-07	1.63E-07	1.63E-07	0.00E+00	0.00E+00	7.17E-08	1.32E-08	8.51E-08	1.31E-08	1.26E-08	1.96E-07
5247	492363.09	3865377.25	4.90E-04	4.98E-04	4.89E-04	1.70E-07	5.12E-07	2.97E-07	2.97E-07	2.73E-07	1.25E-07	1.22E-07	0.00E+00	0.00E+00	5.46E-08	1.01E-08	6.49E-08	1.00E-08	9.48E-09	1.49E-07
5248	492863.09	3865377.25	3.72E-04	3.79E-04	3.67E-04	1.29E-07	3.89E-07	2.25E-07	2.25E-07	2.08E-07	9.49E-08	9.19E-08	0.00E+00	0.00E+00	4.14E-08	7.65E-09	4.94E-08	7.62E-09	7.11E-09	1.13E-07
5249	493363.09	3865377.25	3.21E-04	3.26E-04	3.16E-04	1.11E-07	3.35E-07	1.94E-07	1.94E-07	1.79E-07	8.17E-08	7.91E-08	0.00E+00	0.00E+00	3.57E-08	6.59E-09	4.25E-08	6.56E-09	6.13E-09	9.75E-08
5250	493863.09	3865377.25	5.08E-04	5.16E-04	5.06E-04	1.76E-07	5.31E-07	3.08E-07	3.08E-07	2.83E-07	1.29E-07	1.27E-07	0.00E+00	0.00E+00	5.66E-08	1.04E-08	6.73E-08	1.04E-08	9.81E-09	1.54E-07
5251	494363.09	3865377.25	6.46E-04	6.54E-04	6.52E-04	2.24E-07	6.76E-07	3.91E-07	3.91E-07	3.59E-07	1.64E-07	1.63E-07	0.00E+00	0.00E+00	7.19E-08	1.33E-08	8.52E-08	1.31E-08	1.26E-08	1.96E-07
5252	494863.09	3865377.25	6.75E-04	6.84E-04	6.81E-04	2.34E-07	7.06E-07	4.09E-07	4.09E-07	3.75E-07	1.71E-07	1.71E-07	0.00E+00	0.00E+00	7.52E-08	1.39E-08	8.91E-08	1.37E-08	1.32E-08	2.05E-07
5253	495363.09	3865377.25	6.76E-04	6.85E-04	6.80E-04	2.34E-07	7.06E-07	4.09E-07	4.09E-07	3.75E-07	1.71E-07	1.70E-07	0.00E+00	0.00E+00	7.52E-08	1.39E-08	8.92E-08	1.38E-08	1.32E-08	2.05E-07
5254	495863.09	3865377.25	6.93E-04	7.02E-04	6.97E-04	2.40E-07	7.25E-07	4.19E-07	4.19E-07	3.85E-07	1.76E-07	1.75E-07	0.00E+00	0.00E+00	7.72E-08	1.42E-08	9.15E-08	1.41E-08	1.35E-08	2.11E-07
5255	496363.09	3865377.25	6.89E-04	6.98E-04	6.93E-04	2.38E-07	7.20E-07	4.17E-07	4.17E-07	3.83E-07	1.75E-07	1.74E-07	0.00E+00	0.00E+00	7.67E-08	1.41E-08	9.09E-08	1.40E-08	1.34E-08	2.09E-07
5256	496863.09	3865377.25	6.89E-04	6.97E-04	6.95E-04	2.38E-07	7.20E-07	4.17E-07	4.17E-07	3.82E-07	1.75E-07	1.74E-07	0.00E+00	0.00E+00	7.67E-08	1.41E-08	9.09E-08	1.40E-08	1.35E-08	2.09E-07
5257	497363.09	3865377.25	7.10E-04	7.18E-04	7.19E-04	2.46E-07	7.42E-07	4.29E-07	4.29E-07	3.94E-07	1.80E-07	1.80E-07	0.00E+00	0.00E+00	7.90E-08	1.46E-08	9.35E-08	1.44E-08	1.39E-08	2.15E-07
5258	497863.09	3865377.25	7.23E-04	7.30E-04	7.33E-04	2.50E-07	7.55E-07	4.37E-07	4.37E-07	4.01E-07	1.83E-07	1.84E-07	0.00E+00	0.00E+00	8.04E-08	1.48E-08	9.52E-08	1.47E-08	1.42E-08	2.19E-07
5259	498363.09	3865377.25	7.28E-04	7.36E-04	7.40E-04	2.52E-07	7.61E-07	4.41E-07	4.41E-07	4.04E-07	1.84E-07	1.85E-07	0.00E+00	0.00E+00	8.11E-08	1.50E-08	9.59E-08	1.48E-08	1.43E-08	2.21E-07
5260	471363.09	3865877.25	2.91E-04	2.95E-04	2.91E-04	1.01E-07	3.04E-07	1.76E-07	1.76E-07	1.62E-07	7.37E-08	7.28E-08	0.00E+00	0.00E+00	3.23E-08	5.97E-09	3.84E-08	5.92E-09	5.64E-09	8.83E-08
5261	471863.09	3865877.25	3.02E-04	3.06E-04	3.03E-04	1.05E-07	3.16E-07	1.83E-07	1.83E-07	1.68E-07	7.67E-08	7.58E-08	0.00E+00	0.00E+00	3.37E-08	6.21E-09	3.99E-08	6.16E-09	5.87E-09	9.18E-08
5262	472363.09	3865877.25	3.13E-04	3.17E-04	3.13E-04	1.08E-07	3.27E-07	1.89E-07	1.89E-07	1.74E-07	7.93E-08	7.84E-08	0.00E+00	0.00E+00	3.48E-08	6.42E-09	4.13E-08	6.37E-09	6.07E-09	9.49E-08
5263	472863.09	3865877.25	3.24E-04	3.29E-04	3.25E-04	1.12E-07	3.39E-07	1.96E-07	1.96E-07	1.80E-07	8.23E-08	8.14E-08	0.00E+00	0.00E+00	3.61E-08	6.66E-09	4.28E-08	6.61E-09	6.31E-09	9.85E-08
5264	473363.09	3865877.25	3.35E-04	3.39E-04	3.36E-04	1.16E-07	3.50E-07	2.02E-07	2.02E-07	1.86E-07	8.49E-08	8.40E-08	0.00E+00	0.00E+00	3.73E-08	6.87E-09	4.42E-08	6.81E-09	6.51E-09	1.02E-07
5265	473863.09	3865877.25	3.44E-04	3.49E-04	3.46E-04	1.19E-07	3.60E-07	2.08E-07	2.08E-07	1.91E-07	8.73E-08	8.65E-08	0.00E+00	0.00E+00	3.83E-08	7.07E-09	4.55E-08	7.01E-09	6.70E-09	1.05E-07
5266	474363.09	3865877.25	3.53E-04	3.58E-04	3.55E-04	1.22E-07	3.69E-07	2.14E-07	2.14E-07	1.96E-07	8.96E-08	8.88E-08	0.00E+00	0.00E+00	3.93E-08	7.26E-09	4.67E-08	7.20E-09	6.87E-09	1.07E-07
5267	474863.09	3865877.25	3.64E-04	3.68E-04	3.65E-04	1.26E-07	3.80E-07	2.20E-07	2.20E-07	2.02E-07	9.22E-08	9.13E-08	0.00E+00	0.00E+00	4.05E-08	7.47E-09	4.80E-08	7.40E-09	7.07E-09	1.10E-07
5268	475363.09	3865877.25	3.75E-04	3.80E-04	3.77E-04	1.30E-07	3.92E-07	2.27E-07	2.27E-07	2.09E-07	9.52E-08	9.43E-08	0.00E+00	0.00E+00	4.18E-08	7.71E-09	4.96E-08	7.64E-09	7.30E-09	1.14E-07
5269	475863.09	3865877.25	3.89E-04	3.94E-04	3.90E-04	1.35E-07	4.06E-07	2.35E-07	2.35E-07	2.16E-07	9.86E-08	9.76E-08	0.00E+00	0.00E+00	4.33E-08	7.98E-09	5.13E-08	7.92E-09	7.56E-09	1.18E-07
5270	476363.09	3865877.25	3.94E-04	4.00E-04	3.95E-04	1.36E-07	4.12E-07	2.38E-07	2.38E-07	2.19E-07	1.00E-07	9.88E-08	0.00E+00	0.00E+00	4.39E-08	8.09E-09	5.21E-08	8.03E-09	7.65E-09	1.20E-07
5271	476863.09	3865877.25	3.85E-04	3.90E-04	3.84E-04	1.33E-07	4.02E-07	2.33E-07	2.33E-07	2.14E-07	9.77E-08	9.61E-08	0.00E+00	0.00E+00	4.28E-08	7.90E-09	5.09E-08	7.84E-09	7.44E-09	1.17E-07
5272	477363.09	3865877.25	4.28E-04	4.34E-04	4.29E-04	1.48E-07	4.48E-07	2.59E-07	2.59E-07	2.38E-07	1.09E-07	1.07E-07	0.00E+00	0.00E+00	4.77E-08	8.80E-09	5.66E-08	8.73E-09	8.32E-09	1.30E-07
5273	477863.09	3865877.25	4.43E-04	4.49E-04	4.44E-04	1.53E-07	4.63E-07	2.68E-07	2.68E-07	2.46E-07	1.12E-07	1.11E-07	0.00E+00	0.00E+00	4.93E-08	9.10E-09	5.85E-08	9.03E-09	8.61E-09	1.35E-07
5274	478363.09	3865877.25	4.52E-04	4.59E-04	4.53E-04	1.57E-07	4.73E-07	2.74E-07	2.74E-07	2.52E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.04E-08	9.29E-09	5.98E-08	9.22E-09	8.78E-09	1.37E-07
5275	478863.09	3865877.25	4.59E-04	4.66E-04	4.60E-04	1.59E-07	4.80E-07	2.78E-07	2.78E-07	2.56E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.11E-08	9.43E-09	6.07E-08	9.36E-09	8.91E-09	1.40E-07
5276	479363.09	3865877.25	4.68E-04	4.75E-04	4.68E-04	1.62E-07	4.89E-07	2.83E-07	2.83E-07	2.60E-07	1.19E-07	1.17E-07	0.00E+00	0.00E+00	5.21E-08	9.61E-09	6.18E-08	9.54E-09	9.06E-09	1.42E-07
5277	479863.09	3865877.25	4.80E-04	4.87E-04	4.80E-04	1.66E-07	5.02E-07	2.90E-07	2.90E-07	2.67E-07	1.22E-07	1.20E-07	0.00E+00	0.00E+00	5.34E-08	9.85E-09	6.34E-08	9.78E-09	9.30E-09	1.46E-07
5278	480363.09	3865877.25	4.95E-04	5.03E-04	4.96E-04	1.72E-07	5.18E-07	3.00E-07	3.00E-07	2.76E-07	1.26E-07	1.24E-07	0.00E+00	0.00E+00	5.52E-08	1.02E-08	6.55E-08	1.01E-08	9.62E-09	1.51E-07
5279	480863.09	3865877.25	5.11E-04	5.18E-04	5.13E-04	1.77E-07	5.34E-07	3.09E-07	3.09E-07	2.84E-07	1.30E-07	1.28E-07	0.00E+00	0.00E+00	5.69E-08	1.05E-08	6.76E-08	1.04E-08	9.94E-09	1.55E-07
5280	481363.09	3865877.25	5.25E-04	5.32E-04	5.27E-04	1.82E-07	5.49E-07	3.18E-07	3.18E-07	2.92E-07	1.33E-07	1.32E-07	0.00E+00	0.00E+00	5.84E-08	1.08E-08	6.93E-08	1.07E-08	1.02E-08	1.59E-07
5281	481863.09	3865877.25	5.40E-04	5.47E-04	5.43E-04	1.87E-07	5.64E-07	3.27E-07	3.27E-07	3.00E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	6.01E-08	1.11E-08	7.13E-08	1.10E-08	1.05E-08	1.64E-07
5282	482363.09	3865877.25	5.61E-04	5.68E-04	5.65E-04	1.94E-07	5.86E-07	3.39E-07	3.39E-07	3.12E-07	1.42E-07	1.41E-07	0.00E+00	0.00E+00	6.24E-08	1.15E-08	7.41E-08	1.14E-08	1.09E-08	1.70E-07
5283	482863.09	3865877.25	5.87E-04	5.94E-04	5.92E-04	2.03E-07	6.14E-07	3.55E-07	3.55E-07	3.26E-07	1.49E-07	1.48E-07	0.00E+00	0.00E+00	6.54E-08	1.21E-08	7.75E-08	1.19E-08	1.15E-08	1.78E-07
5284	483363.09	3865877.25	6.04E-04	6.11E-04	6.10E-04	2.09E-07	6.31E-07	3.65E-07	3.65E-07	3.35E-07	1.53E-07	1.53E-07	0.00E+00	0.00E+00	6.72E-08	1.24E-08	7.96E-08	1.23E-08	1.18E-08	1.83E-07
5285	483863.09	3865877.25	6.09E-04	6.16E-04	6.14E-04	2.11E-07	6.36E-07	3.68E-07	3.68E-07	3.38E-07	1.54E-07	1.54E-07	0.00E+00	0.00E+00	6.77E-08	1.25E-08	8.03E-08	1.24E-08	1.19E-08	1.85E-07
5286	484363.09	3865877.25	6.15E-04	6.23E-04	6.21E-04	2.13E-07	6.43E-07	3.72E-07	3.72E-07	3.42E-07	1.56E-07	1.55E-07	0.00E+00	0.00E+00	6.85E-08	1.26E-08	8.11E-08	1.25E-08	1.20E-08	1.87E-07
5287	484863.09	3865877.25	6.25E-04	6.32E-04	6.33E-04	2.16E-07	6.53E-07	3.78E-07	3.78E-07	3.47E-07	1.58E-07	1.58E-07	0.00E+00	0.00E+00	6.96E-08	1.28E-08	8.24E-08	1.27E-08	1.23E-08	1.90E-07
5288	485363.09	3865877.25	6.25E-04	6.32E-04	6.34E-04	2.16E-07	6.54E-07	3.78E-07	3.78E-07	3.47E-07	1.58E-07	1.59E-07	0.00E+00	0.00E+00	6.96E-08	1.28E-08	8.24E-08	1.27E-08	1.23E-08	1.90E-07
5289	485863.09	3865877.25	6.15E-04	6.22E-04	6.24E-04	2.13E-07	6.43E-07	3.72E-07	3.72E-07	3.41E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.85E-08	1.26E-08	8.11E-08	1.25E-08	1.21E-08	1.87E-07
5290	486363.09	3865877.25	6.26E-04	6.32E-04	6.36E-04	2.17E-07	6.54E-07	3.79E-07	3.79E-07	3.47E-07	1.58E-07	1.59E-07	0.00E+00	0.00E+00	6.97E-08	1.29E-08	8.24E-08	1.27E-08	1.23E-08	1.90E-07
5291	486863.09	3865877.25	6.26E-04	6.32E-04	6.37E-04	2.17E-07	6.54E-07	3.79E-07	3.79E-07	3.47E-07	1.58E-07	1.59E-07	0.00E+00	0.00E+00	6.97E-08	1.29E-08	8.24E-08	1.27E-08	1.23E-08	1.90E-07
5292	487363.09	3865877.25	6.15E-04	6.22E-04	6.25E-04	2.13E-07	6.43E-07	3.72E-07	3.72E-07	3.41E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.85E-08	1.26E-08	8.10E-08	1.25E-08	1.21E-08	1.87E-07
5293	487863.09	3865877.25	6.12E-04	6.19E-04	6.20E-04	2.12E-07	6.40E-07	3.70E-07	3.70E-07	3.39E-07	1.55E-07	1.55E-07	0.00E+00	0.00E+00	6.81E-08	1.26E-08	8.06E-08	1.24E-08	1.20E-08	1.86E-07
5294	488363.09	3865877.25	6.03E-04	6.10E-04	6.10E-04	2.09E-07	6.30E-07	3.65E-07	3.65E-07	3.34E-07	1.53E-07	1.53E-07	0.00E+00	0.00E+00	6.71E-08	1.24E-08	7.95E-08	1.23E-08	1.18E-08	1.83E-07
5295	488863.09	3865877.25	5.97E-04	6.04E-04	6.03E-04	2.07E-07	6.24E-07	3.61E-07	3.61E-07	3.31E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.65E-08	1.23E-08	7.87E-08	1.21E-08	1.17E-08	1.81E-07
5296	489363.09	3865877.25	6.05E-04	6.12E-04	6.13E-04	2.10E-07	6.33E-07	3.66E-07	3.66E-07	3.36E-07	1.53E-07	1.53E-07	0.00E+00	0.00E+00	6.74E-08	1.24E-08	7.98E-08	1.23E-08	1.19E-08	1.84E-07
5297	489863.09	3865877.25	6.15E-04	6.22E-04	6.24E-04	2.13E-07	6.43E-07	3.72E-07	3.72E-07	3.41E-07	1.56E-07	1.56E-07	0.00E+00	0.00E+00	6.85E-08	1.26E-08	8.11E-08	1.25E-08	1.21E-08	1.87E-07
5298	490363.09	3865877.25	6.08E-04	6.15E-04	6.17E-04	2.11E-07	6.36E-07	3.68E-07	3.68E-07	3.37E-07	1.54E-07	1.54E-07	0.00E+00	0.00E+00	6.77E-08	1.25E-08	8.02E-08	1.24E-08	1.20E-08	1.85E-07
5299	490863.09	3865877.25	5.80E-04	5.87E-04	5.86E-04	2.01E-07	6.06E-07	3.51E-07	3.51E-07	3.22E-07	1.47E-07	1.47E-07	0.00E+00	0.00E+00	6.46E-08	1.19E-08	7.65E-08	1.18E-08	1.14E-08	1.76E-07
5300	491363.09	3865877.25	5.43E-04	5.50E-04	5.46E-04	1.88E-07	5.67E-07	3.28E-07	3.28E-07	3.02E-07	1.38E-07	1.37E-07	0.00E+00	0.00E+00	6.04E-08	1.11E-08	7.17E-08	1.11E-08	1.06E-08	1.65E-07
5301	491863.09	3865877.25	5.40E-04	5.48E-04	5.42E-04	1.87E-07	5.65E-07	3.27E-07	3.27E-07	3.01E-07	1.37E-07	1.36E-07	0.00E+00	0.00E+00	6.01E-08	1.11E-08	7.14E-08	1.10E-08	1.05E-08	1.64E-07
5302	492363.09	3865877.25	5.06E-04	5.13E-04	5.06E-04	1.75E-07	5.28E-07	3.06E-07	3.06E-07	2.81E-07	1.28E-07	1.27E-07	0.00E+00	0.00E+00	5.63E-08	1.04E-08	6.68E-08	1.03E-08	9.81E-09	1.54E-07
5303	492863.09	3865877.25	3.52E-04	3.58E-04	3.48E-04	1.22E-07	3.68E-07	2.13E-07	2.13E-07	1.96E-07	8.97E-08	8.71E-08	0.00E+00	0.00E+00	3.92E-08	7.23E-09	4.67E-08	7.20E-09	6.75E-09	1.07E-07
5304	493363.09	3865877.25	3.68E-04	3.74E-04	3.63E-04	1.27E-07	3.84E-07	2.23E-07	2.23E-07	2.05E-07	9.37E-08	9.08E-08	0.00E+00	0.00E+00	4.09E-08	7.55E-09	4.88E-08	7.52E-09	7.03E-09	1.12E-07
5305	493863.09	3865877.25	4.61E-04	4.69E-04	4.58E-04	1.60E-07	4.82E-07	2.79E-07	2.79E-07	2.57E-07	1.17E-07	1.15E-07	0.00E+00	0.00E+00	5.14E-08	9.48E-09	6.11E-08	9.43E-09	8.88E-09	1.40E-07
5306	494363.09	3865877.25	5.69E-04	5.77E-04	5.72E-04	1.97E-07	5.95E-07	3.45E-07	3.45E-07	3.17E-07	1.44E-07	1.43E-07	0.00E+00	0.00E+00	6.34E-08	1.17E-08	7.52E-08	1.16E-08	1.11E-08	1.73E-07
5307	494863.09	3865877.25	6.43E-04	6.50E-04	6.50E-04	2.22E-07	6.72E-07	3.89E-07	3.89E-07	3.57E-07	1.63E-07	1.63E-07	0.00E+00	0.00E+00	7.15E-08	1.32E-08	8.47E-08	1.31E-08	1.26E-08	1.95E-07
5308	495363.09	3865877.25	6.27E-04	6.35E-04	6.33E-04	2.17E-07	6.56E-07	3.80E-07	3.80E-07	3.48E-07	1.59E-07	1.58E-07	0.00E+00	0.00E+00	6.98E-08	1.29E-08	8.28E-08	1.28E-08	1.23E-08	1.91E-07
5309	495863.09	3865877.25	6.00E-04	6.09E-04	6.03E-04	2.08E-07	6.28E-07	3.63E-07	3.63E-07	3.34E-07	1.52E-07	1.51E-07	0.00E+00	0.00E+00	6.68E-08	1.23E-08	7.93E-08	1.22E-08	1.17E-08	1.82E-07
5310	496363.09	3865877.25	5.87E-04	5.95E-04	5.88E-04	2.03E-07	6.14E-07	3.55E-07	3.55E-07	3.27E-07	1.49E-07	1.47E-07	0.00E+00	0.00E+00	6.54E-08	1.21E-08	7.76E-08	1.20E-08	1.14E-08	1.78E-07
5311	496863.09	3865877.25	5.78E-04	5.86E-04	5.78E-04	2.00E-07	6.04E-07	3.49E-07	3.49E-07	3.21E-07	1.47E-07	1.45E-07	0.00E+00	0.00E+00	6.43E-08	1.19E-08	7.63E-08	1.18E-08	1.12E-08	1.75E-07
5312	497363.09	3865877.25	5.98E-04	6.06E-04	6.01E-04	2.07E-07	6.25E-07	3.62E-07	3.62E-07	3.32E-07	1.52E-07	1.50E-07	0.00E+00	0.00E+00	6.66E-08	1.23E-08	7.90E-08	1.22E-08	1.17E-08	1.82E-07
5313	497863.09	3865877.25	6.11E-04	6.19E-04	6.17E-04	2.12E-07	6.39E-07	3.70E-07	3.70E-07	3.39E-07	1.55E-07	1.54E-07	0.00E+00	0.00E+00	6.81E-08	1.26E-08	8.07E-08	1.24E-08	1.20E-08	1.86E-07
5314	498363.09	3865877.25	5.97E-04	6.05E-04	6.04E-04	2.07E-07	6.24E-07	3.61E-07	3.61E-07	3.32E-07	1.51E-07	1.51E-07	0.00E+00	0.00E+00	6.65E-08	1.23E-08	7.88E-08	1.21E-08	1.17E-08	1.81E-07
5315	471363.09	3866377.25	2.85E-04	2.89E-04	2.86E-04	9.86E-08	2.98E-07	1.72E-07	1.72E-07	1.58E-07	7.23E-08	7.15E-08	0.00E+00	0.00E+00	3.17E-08	5.85E-09	3.76E-08	5.80E-09	5.53E-09	8.65E-08
5316	471863.09	3866377.25	2.94E-04	2.98E-04	2.94E-04	1.02E-07	3.07E-07	1.78E-07	1.78E-07	1.63E-07	7.45E-08	7.37E-08	0.00E+00	0.00E+00	3.27E-08	6.03E-09	3.88E-08	5.98E-09	5.71E-09	8.92E-08
5317	472363.09	3866377.25	3.02E-04	3.06E-04	3.03E-04	1.04E-07	3.16E-07	1.83E-07	1.83E-07	1.68E-07	7.66E-08	7.57E-08	0.00E+00	0.00E+00	3.36E-08	6.20E-09	3.99E-08	6.15E-09	5.86E-09	9.17E-08
5318	472863.09	3866377.25	3.10E-04	3.14E-04	3.11E-04	1.07E-07	3.24E-07	1.88E-07	1.88E-07	1.72E-07	7.87E-08	7.79E-08	0.00E+00	0.00E+00	3.45E-08	6.37E-09	4.10E-08	6.32E-09	6.03E-09	9.42E-08
5319	473363.09	3866377.25	3.18E-04	3.22E-04	3.19E-04	1.10E-07	3.32E-07	1.92E-07	1.92E-07	1.77E-07	8.06E-08	7.98E-08	0.00E+00	0.00E+00	3.54E-08	6.53E-09	4.20E-08	6.47E-09	6.18E-09	9.65E-08
5320	473863.09	3866377.25	3.26E-04	3.30E-04	3.27E-04	1.13E-07	3.41E-07	1.97E-07	1.97E-07	1.81E-07	8.26E-08	8.18E-08	0.00E+00	0.00E+00	3.63E-08	6.69E-09	4.30E-08	6.63E-09	6.34E-09	9.90E-08
5321	474363.09	3866377.25	3.35E-04	3.39E-04	3.36E-04	1.16E-07	3.50E-07	2.03E-07	2.03E-07	1.86E-07	8.49E-08	8.41E-08	0.00E+00	0.00E+00	3.73E-08	6.87E-09	4.42E-08	6.82E-09	6.51E-09	1.02E-07
5322	474863.09	3866377.25	3.45E-04	3.50E-04	3.46E-04	1.19E-07	3.61E-07	2.09E-07	2.09E-07	1.92E-07	8.75E-08	8.67E-08	0.00E+00	0.00E+00	3.84E-08	7.09E-09	4.56E-08	7.03E-09	6.71E-09	1.05E-07
5323	475363.09	3866377.25	3.56E-04	3.61E-04	3.57E-04	1.23E-07	3.72E-07	2.15E-07	2.15E-07	1.98E-07	9.03E-08	8.94E-08	0.00E+00	0.00E+00	3.96E-08	7.31E-09	4.70E-08	7.25E-09	6.92E-09	1.08E-07
5324	475863.09	3866377.25	3.68E-04	3.73E-04	3.69E-04	1.27E-07	3.85E-07	2.23E-07	2.23E-07	2.05E-07	9.33E-08	9.24E-08	0.00E+00	0.00E+00	4.10E-08	7.56E-09	4.86E-08	7.49E-09	7.15E-09	1.12E-07
5325	476363.09	3866377.25	3.78E-04	3.83E-04	3.78E-04	1.31E-07	3.95E-07	2.28E-07	2.28E-07	2.10E-07	9.58E-08	9.47E-08	0.00E+00	0.00E+00	4.20E-08	7.75E-09	4.99E-08	7.69E-09	7.33E-09	1.15E-07
5326	476863.09	3866377.25	3.53E-04	3.58E-04	3.51E-04	1.22E-07	3.69E-07	2.13E-07	2.13E-07	1.96E-07	8.96E-08	8.79E-08	0.00E+00	0.00E+00	3.93E-08	7.24E-09	4.67E-08	7.19E-09	6.81E-09	1.07E-07
5327	477363.09	3866377.25	3.88E-04	3.93E-04	3.87E-04	1.34E-07	4.05E-07	2.35E-07	2.35E-07	2.16E-07	9.85E-08	9.70E-08	0.00E+00	0.00E+00	4.32E-08	7.96E-09	5.13E-08	7.91E-09	7.51E-09	1.18E-07
5328	477863.09	3866377.25	4.09E-04	4.15E-04	4.09E-04	1.41E-07	4.27E-07	2.47E-07	2.47E-07	2.27E-07	1.04E-07	1.02E-07	0.00E+00	0.00E+00	4.55E-08	8.39E-09	5.40E-08	8.33E-09	7.92E-09	1.24E-07
5329	478363.09	3866377.25	4.15E-04	4.21E-04	4.15E-04	1.44E-07	4.34E-07	2.51E-07	2.51E-07	2.31E-07	1.05E-07	1.04E-07	0.00E+00	0.00E+00	4.62E-08	8.53E-09	5.49E-08	8.47E-09	8.05E-09	1.26E-07
5330	478863.09	3866377.25	4.23E-04	4.30E-04	4.23E-04	1.47E-07	4.42E-07	2.56E-07	2.56E-07	2.36E-07	1.08E-07	1.06E-07	0.00E+00	0.00E+00	4.71E-08	8.69E-09	5.60E-08	8.63E-09	8.20E-09	1.29E-07
5331	479363.09	3866377.25	4.35E-04	4.42E-04	4.35E-04	1.51E-07	4.55E-07	2.63E-07	2.63E-07	2.42E-07	1.11E-07	1.09E-07	0.00E+00	0.00E+00	4.85E-08	8.94E-09	5.76E-08	8.88E-09	8.43E-09	1.32E-07
5332	479863.09	3866377.25	4.50E-04	4.56E-04	4.50E-04	1.56E-07	4.70E-07	2.72E-07	2.72E-07	2.50E-07	1.14E-07	1.13E-07	0.00E+00	0.00E+00	5.01E-08	9.24E-09	5.95E-08	9.17E-09	8.72E-09	1.37E-07
5333	480363.09	3866377.25	4.63E-04	4.69E-04	4.63E-04	1.60E-07	4.84E-07	2.80E-07	2.80E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.15E-08	9.50E-09	6.12E-08	9.43E-09	8.98E-09	1.41E-07
5334	480863.09	3866377.25	4.73E-04	4.80E-04	4.74E-04	1.64E-07	4.94E-07	2.86E-07	2.86E-07	2.63E-07	1.20E-07	1.19E-07	0.00E+00	0.00E+00	5.26E-08	9.71E-09	6.25E-08	9.64E-09	9.19E-09	1.44E-07
5335	481363.09	3866377.25	4.84E-04	4.91E-04	4.86E-04	1.68E-07	5.06E-07	2.93E-07	2.93E-07	2.69E-07	1.23E-07	1.22E-07	0.00E+00	0.00E+00	5.39E-08	9.95E-09	6.40E-08	9.87E-09	9.43E-09	1.47E-07
5336	481863.09	3866377.25	5.00E-04	5.07E-04	5.03E-04	1.73E-07	5.23E-07	3.03E-07	3.03E-07	2.78E-07	1.27E-07	1.26E-07	0.00E+00	0.00E+00	5.57E-08	1.03E-08	6.61E-08	1.02E-08	9.75E-09	1.52E-07
5337	482363.09	3866377.25	5.23E-04	5.30E-04	5.27E-04	1.81E-07	5.47E-07	3.17E-07	3.17E-07	2.91E-07	1.33E-07	1.32E-07	0.00E+00	0.00E+00	5.82E-08	1.07E-08	6.90E-08	1.06E-08	1.02E-08	1.59E-07
5338	482863.09	3866377.25	5.44E-04	5.50E-04	5.49E-04	1.88E-07	5.68E-07	3.29E-07	3.29E-07	3.02E-07	1.38E-07	1.37E-07	0.00E+00	0.00E+00	6.05E-08	1.12E-08	7.17E-08	1.11E-08	1.06E-08	1.65E-07
5339	483363.09	3866377.25	5.52E-04	5.58E-04	5.57E-04	1.91E-07	5.77E-07	3.34E-07	3.34E-07	3.06E-07	1.40E-07	1.39E-07	0.00E+00	0.00E+00	6.14E-08	1.13E-08	7.28E-08	1.12E-08	1.08E-08	1.67E-07
5340	483863.09	3866377.25	5.53E-04	5.60E-04	5.58E-04	1.91E-07	5.78E-07	3.35E-07	3.35E-07	3.07E-07	1.40E-07	1.40E-07	0.00E+00	0.00E+00	6.15E-08	1.14E-08	7.29E-08	1.12E-08	1.08E-08	1.68E-07
5341	484363.09	3866377.25	5.58E-04	5.65E-04	5.63E-04	1.93E-07	5.83E-07	3.38E-07	3.38E-07	3.10E-07	1.41E-07	1.41E-07	0.00E+00	0.00E+00	6.21E-08	1.15E-08	7.36E-08	1.14E-08	1.09E-08	1.69E-07
5342	484863.09	3866377.25	5.65E-04	5.72E-04	5.71E-04	1.96E-07	5.91E-07	3.42E-07	3.42E-07	3.14E-07	1.43E-07	1.43E-07	0.00E+00	0.00E+00	6.29E-08	1.16E-08	7.45E-08	1.15E-08	1.11E-08	1.72E-07
5343	485363.09	3866377.25	5.56E-04	5.62E-04	5.62E-04	1.92E-07	5.81E-07	3.36E-07	3.36E-07	3.08E-07	1.41E-07	1.41E-07	0.00E+00	0.00E+00	6.18E-08	1.14E-08	7.32E-08	1.13E-08	1.09E-08	1.69E-07
5344	485863.09	3866377.25	5.49E-04	5.55E-04	5.56E-04	1.90E-07	5.73E-07	3.32E-07	3.32E-07	3.04E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.11E-08	1.13E-08	7.23E-08	1.12E-08	1.08E-08	1.67E-07
5345	486363.09	3866377.25	5.63E-04	5.69E-04	5.72E-04	1.95E-07	5.89E-07	3.41E-07	3.41E-07	3.12E-07	1.42E-07	1.43E-07	0.00E+00	0.00E+00	6.27E-08	1.16E-08	7.42E-08	1.14E-08	1.11E-08	1.71E-07
5346	486863.09	3866377.25	5.62E-04	5.68E-04	5.72E-04	1.95E-07	5.88E-07	3.40E-07	3.40E-07	3.12E-07	1.42E-07	1.43E-07	0.00E+00	0.00E+00	6.26E-08	1.16E-08	7.41E-08	1.14E-08	1.11E-08	1.71E-07
5347	487363.09	3866377.25	5.59E-04	5.65E-04	5.68E-04	1.94E-07	5.85E-07	3.38E-07	3.38E-07	3.10E-07	1.41E-07	1.42E-07	0.00E+00	0.00E+00	6.23E-08	1.15E-08	7.37E-08	1.14E-08	1.10E-08	1.70E-07
5348	487863.09	3866377.25	5.54E-04	5.60E-04	5.61E-04	1.92E-07	5.79E-07	3.35E-07	3.35E-07	3.07E-07	1.40E-07	1.40E-07	0.00E+00	0.00E+00	6.17E-08	1.14E-08	7.30E-08	1.13E-08	1.09E-08	1.68E-07

5349	488363.09	3866377.25	5.45E-04	5.51E-04	5.49E-04	1.88E-07	5.69E-07	3.29E-07	3.29E-07	3.02E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	6.06E-08	1.12E-08	7.18E-08	1.11E-08	1.06E-08	1.65E-07
5350	488863.09	3866377.25	5.26E-04	5.33E-04	5.29E-04	1.82E-07	5.50E-07	3.18E-07	3.18E-07	2.92E-07	1.33E-07	1.33E-07	0.00E+00	0.00E+00	5.86E-08	1.08E-08	6.94E-08	1.07E-08	1.03E-08	1.60E-07
5351	489363.09	3866377.25	5.24E-04	5.30E-04	5.27E-04	1.81E-07	5.47E-07	3.17E-07	3.17E-07	2.91E-07	1.33E-07	1.32E-07	0.00E+00	0.00E+00	5.83E-08	1.08E-08	6.91E-08	1.07E-08	1.02E-08	1.59E-07
5352	489863.09	3866377.25	5.09E-04	5.15E-04	5.12E-04	1.76E-07	5.32E-07	3.08E-07	3.08E-07	2.83E-07	1.29E-07	1.28E-07	0.00E+00	0.00E+00	5.66E-08	1.04E-08	6.71E-08	1.04E-08	9.92E-09	1.54E-07
5353	490363.09	3866377.25	5.50E-04	5.56E-04	5.56E-04	1.90E-07	5.74E-07	3.33E-07	3.33E-07	3.05E-07	1.39E-07	1.39E-07	0.00E+00	0.00E+00	6.12E-08	1.13E-08	7.24E-08	1.12E-08	1.08E-08	1.67E-07
5354	490863.09	3866377.25	5.41E-04	5.48E-04	5.48E-04	1.87E-07	5.66E-07	3.28E-07	3.28E-07	3.00E-07	1.37E-07	1.37E-07	0.00E+00	0.00E+00	6.03E-08	1.11E-08	7.14E-08	1.10E-08	1.06E-08	1.64E-07
5355	491363.09	3866377.25	5.40E-04	5.47E-04	5.46E-04	1.87E-07	5.65E-07	3.27E-07	3.27E-07	3.00E-07	1.37E-07	1.37E-07	0.00E+00	0.00E+00	6.02E-08	1.11E-08	7.13E-08	1.10E-08	1.06E-08	1.64E-07
5356	491863.09	3866377.25	4.50E-04	4.57E-04	4.48E-04	1.56E-07	4.70E-07	2.72E-07	2.72E-07	2.50E-07	1.14E-07	1.12E-07	0.00E+00	0.00E+00	5.00E-08	9.23E-09	5.95E-08	9.18E-09	8.69E-09	1.37E-07
5357	492363.09	3866377.25	4.62E-04	4.69E-04	4.62E-04	1.60E-07	4.83E-07	2.80E-07	2.80E-07	2.57E-07	1.17E-07	1.16E-07	0.00E+00	0.00E+00	5.15E-08	9.49E-09	6.12E-08	9.43E-09	8.95E-09	1.40E-07
5358	492863.09	3866377.25	3.94E-04	4.01E-04	3.92E-04	1.37E-07	4.12E-07	2.39E-07	2.39E-07	2.20E-07	1.00E-07	9.82E-08	0.00E+00	0.00E+00	4.39E-08	8.10E-09	5.22E-08	8.05E-09	7.60E-09	1.20E-07
5359	493363.09	3866377.25	4.22E-04	4.28E-04	4.21E-04	1.46E-07	4.41E-07	2.55E-07	2.55E-07	2.35E-07	1.07E-07	1.05E-07	0.00E+00	0.00E+00	4.70E-08	8.67E-09	5.58E-08	8.61E-09	8.16E-09	1.28E-07
5360	493863.09	3866377.25	4.72E-04	4.79E-04	4.72E-04	1.64E-07	4.94E-07	2.86E-07	2.86E-07	2.63E-07	1.20E-07	1.18E-07	0.00E+00	0.00E+00	5.26E-08	9.70E-09	6.25E-08	9.63E-09	9.14E-09	1.44E-07
5361	494363.09	3866377.25	5.50E-04	5.57E-04	5.53E-04	1.90E-07	5.75E-07	3.33E-07	3.33E-07	3.06E-07	1.39E-07	1.38E-07	0.00E+00	0.00E+00	6.12E-08	1.13E-08	7.26E-08	1.12E-08	1.07E-08	1.67E-07
5362	494863.09	3866377.25	5.63E-04	5.70E-04	5.68E-04	1.95E-07	5.89E-07	3.41E-07	3.41E-07	3.13E-07	1.43E-07	1.42E-07	0.00E+00	0.00E+00	6.27E-08	1.16E-08	7.43E-08	1.15E-08	1.10E-08	1.71E-07
5363	495363.09	3866377.25	5.46E-04	5.52E-04	5.51E-04	1.89E-07	5.70E-07	3.30E-07	3.30E-07	3.03E-07	1.38E-07	1.38E-07	0.00E+00	0.00E+00	6.08E-08	1.12E-08	7.20E-08	1.11E-08	1.07E-08	1.66E-07
5364	495863.09	3866377.25	5.19E-04	5.25E-04	5.21E-04	1.80E-07	5.42E-07	3.14E-07	3.14E-07	2.88E-07	1.32E-07	1.30E-07	0.00E+00	0.00E+00	5.77E-08	1.06E-08	6.85E-08	1.06E-08	1.01E-08	1.58E-07
5365	496363.09	3866377.25	5.01E-04	5.08E-04	5.00E-04	1.73E-07	5.23E-07	3.03E-07	3.03E-07	2.79E-07	1.27E-07	1.25E-07	0.00E+00	0.00E+00	5.57E-08	1.03E-08	6.62E-08	1.02E-08	9.68E-09	1.52E-07
5366	496863.09	3866377.25	4.79E-04	4.86E-04	4.76E-04	1.66E-07	5.00E-07	2.90E-07	2.90E-07	2.67E-07	1.22E-07	1.19E-07	0.00E+00	0.00E+00	5.33E-08	9.83E-09	6.34E-08	9.78E-09	9.23E-09	1.46E-07
5367	497363.09	3866377.25	4.88E-04	4.96E-04	4.86E-04	1.69E-07	5.10E-07	2.95E-07	2.95E-07	2.72E-07	1.24E-07	1.22E-07	0.00E+00	0.00E+00	5.44E-08	1.00E-08	6.46E-08	9.97E-09	9.43E-09	1.48E-07
5368	497863.09	3866377.25	5.09E-04	5.17E-04	5.10E-04	1.76E-07	5.32E-07	3.08E-07	3.08E-07	2.83E-07	1.29E-07	1.28E-07	0.00E+00	0.00E+00	5.67E-08	1.05E-08	6.73E-08	1.04E-08	9.88E-09	1.55E-07
5369	498363.09	3866377.25	4.51E-04	4.58E-04	4.51E-04	1.56E-07	4.72E-07	2.73E-07	2.73E-07	2.51E-07	1.15E-07	1.13E-07	0.00E+00	0.00E+00	5.02E-08	9.27E-09	5.97E-08	9.20E-09	8.74E-09	1.37E-07
5370	474494.92	3848334.16	1.65E-04	1.70E-04	1.57E-04	5.72E-08	1.73E-07	9.99E-08	9.99E-08	9.30E-08	4.24E-08	3.94E-08	0.00E+00	0.00E+00	1.84E-08	3.39E-09	2.21E-08	3.41E-09	3.05E-09	5.03E-08
5371	475167.27	3848920.79	1.84E-04	1.89E-04	1.75E-04	6.37E-08	1.92E-07	1.11E-07	1.11E-07	1.04E-07	4.73E-08	4.38E-08	0.00E+00	0.00E+00	2.05E-08	3.78E-09	2.46E-08	3.80E-09	3.39E-09	5.61E-08
5372	475297.89	3848997.96	1.87E-04	1.92E-04	1.78E-04	6.46E-08	1.95E-07	1.13E-07	1.13E-07	1.05E-07	4.80E-08	4.44E-08	0.00E+00	0.00E+00	2.08E-08	3.83E-09	2.50E-08	3.86E-09	3.44E-09	5.69E-08
5373	475439.05	3849062	1.84E-04	1.89E-04	1.75E-04	6.38E-08	1.92E-07	1.11E-07	1.11E-07	1.04E-07	4.74E-08	4.38E-08	0.00E+00	0.00E+00	2.05E-08	3.78E-09	2.47E-08	3.81E-09	3.39E-09	5.62E-08
5374	475486.86	3849061.09	1.83E-04	1.88E-04	1.73E-04	6.33E-08	1.91E-07	1.11E-07	1.11E-07	1.03E-07	4.71E-08	4.34E-08	0.00E+00	0.00E+00	2.03E-08	3.75E-09	2.45E-08	3.78E-09	3.36E-09	5.57E-08
5375	475538.46	3849075.56	1.85E-04	1.90E-04	1.75E-04	6.39E-08	1.93E-07	1.12E-07	1.12E-07	1.04E-07	4.75E-08	4.38E-08	0.00E+00	0.00E+00	2.05E-08	3.79E-09	2.47E-08	3.81E-09	3.39E-09	5.63E-08
5376	475751.79	3849137.15	1.97E-04	2.03E-04	1.88E-04	6.84E-08	2.06E-07	1.19E-07	1.19E-07	1.11E-07	5.08E-08	4.71E-08	0.00E+00	0.00E+00	2.20E-08	4.06E-09	2.64E-08	4.08E-09	3.65E-09	6.02E-08
5377	476303.62	3849223.38	2.31E-04	2.36E-04	2.23E-04	7.99E-08	2.41E-07	1.40E-07	1.40E-07	1.30E-07	5.92E-08	5.58E-08	0.00E+00	0.00E+00	2.57E-08	4.74E-09	3.08E-08	4.75E-09	4.32E-09	7.03E-08
5378	476304.51	3849238.92	2.31E-04	2.36E-04	2.23E-04	7.99E-08	2.41E-07	1.40E-07	1.40E-07	1.30E-07	5.92E-08	5.57E-08	0.00E+00	0.00E+00	2.57E-08	4.74E-09	3.08E-08	4.75E-09	4.32E-09	7.03E-08
5379	476365.04	3849247.98	2.35E-04	2.41E-04	2.28E-04	8.15E-08	2.46E-07	1.42E-07	1.42E-07	1.32E-07	6.03E-08	5.69E-08	0.00E+00	0.00E+00	2.62E-08	4.83E-09	3.14E-08	4.84E-09	4.41E-09	7.17E-08
5380	476444.86	3849267.13	2.38E-04	2.44E-04	2.30E-04	8.25E-08	2.49E-07	1.44E-07	1.44E-07	1.34E-07	6.10E-08	5.77E-08	0.00E+00	0.00E+00	2.65E-08	4.89E-09	3.18E-08	4.90E-09	4.47E-09	7.26E-08
5381	476550.75	3849300.66	2.49E-04	2.54E-04	2.41E-04	8.60E-08	2.60E-07	1.50E-07	1.50E-07	1.39E-07	6.36E-08	6.03E-08	0.00E+00	0.00E+00	2.77E-08	5.10E-09	3.31E-08	5.11E-09	4.67E-09	7.57E-08
5382	476656.71	3849346.88	2.57E-04	2.63E-04	2.50E-04	8.89E-08	2.68E-07	1.55E-07	1.55E-07	1.44E-07	6.57E-08	6.25E-08	0.00E+00	0.00E+00	2.86E-08	5.27E-09	3.42E-08	5.28E-09	4.84E-09	7.82E-08
5383	476873.55	3849454.53	2.75E-04	2.81E-04	2.69E-04	9.53E-08	2.88E-07	1.67E-07	1.67E-07	1.54E-07	7.04E-08	6.72E-08	0.00E+00	0.00E+00	3.07E-08	5.66E-09	3.67E-08	5.65E-09	5.21E-09	8.38E-08
5384	477700	3849859.7	3.42E-04	3.49E-04	3.37E-04	1.19E-07	3.58E-07	2.07E-07	2.07E-07	1.91E-07	8.73E-08	8.44E-08	0.00E+00	0.00E+00	3.81E-08	7.03E-09	4.55E-08	7.01E-09	6.54E-09	1.04E-07
5385	477743.16	3849856.38	3.40E-04	3.46E-04	3.35E-04	1.18E-07	3.55E-07	2.06E-07	2.06E-07	1.90E-07	8.66E-08	8.38E-08	0.00E+00	0.00E+00	3.78E-08	6.98E-09	4.51E-08	6.96E-09	6.49E-09	1.03E-07
5386	478477.35	3850216.33	3.57E-04	3.64E-04	3.51E-04	1.24E-07	3.73E-07	2.16E-07	2.16E-07	1.99E-07	9.10E-08	8.79E-08	0.00E+00	0.00E+00	3.97E-08	7.33E-09	4.74E-08	7.31E-09	6.81E-09	1.09E-07
5387	478485.8	3850201.6	3.55E-04	3.62E-04	3.50E-04	1.23E-07	3.71E-07	2.15E-07	2.15E-07	1.99E-07	9.06E-08	8.76E-08	0.00E+00	0.00E+00	3.96E-08	7.30E-09	4.72E-08	7.28E-09	6.78E-09	1.08E-07
5388	479113.21	3850501.53	3.92E-04	4.00E-04	3.85E-04	1.36E-07	4.10E-07	2.37E-07	2.37E-07	2.19E-07	1.00E-07	9.64E-08	0.00E+00	0.00E+00	4.36E-08	8.05E-09	5.21E-08	8.04E-09	7.47E-09	1.19E-07
5389	479108.11	3850382.28	3.78E-04	3.85E-04	3.70E-04	1.31E-07	3.95E-07	2.28E-07	2.28E-07	2.11E-07	9.64E-08	9.26E-08	0.00E+00	0.00E+00	4.20E-08	7.75E-09	5.02E-08	7.74E-09	7.17E-09	1.15E-07
5390	479689.85	3850674.28	3.84E-04	3.93E-04	3.72E-04	1.33E-07	4.01E-07	2.32E-07	2.32E-07	2.16E-07	9.84E-08	9.31E-08	0.00E+00	0.00E+00	4.28E-08	7.89E-09	5.12E-08	7.90E-09	7.21E-09	1.17E-07
5391	479952.42	3850774.28	3.94E-04	4.05E-04	3.78E-04	1.36E-07	4.12E-07	2.39E-07	2.39E-07	2.22E-07	1.01E-07	9.46E-08	0.00E+00	0.00E+00	4.39E-08	8.10E-09	5.27E-08	8.13E-09	7.32E-09	1.20E-07
5392	479911.32	3850884.85	4.12E-04	4.22E-04	3.99E-04	1.43E-07	4.31E-07	2.49E-07	2.49E-07	2.32E-07	1.06E-07	9.98E-08	0.00E+00	0.00E+00	4.59E-08	8.47E-09	5.50E-08	8.48E-09	7.73E-09	1.26E-07
5393	480500.92	3851178.12	4.62E-04	4.75E-04	4.41E-04	1.60E-07	4.83E-07	2.80E-07	2.80E-07	2.60E-07	1.19E-07	1.10E-07	0.00E+00	0.00E+00	5.14E-08	9.49E-09	6.19E-08	9.54E-09	8.55E-09	1.41E-07
5394	480738.01	3851289.27	4.84E-04	4.98E-04	4.58E-04	1.67E-07	5.05E-07	2.93E-07	2.93E-07	2.73E-07	1.25E-07	1.15E-07	0.00E+00	0.00E+00	5.38E-08	9.93E-09	6.49E-08	1.00E-08	8.88E-09	1.48E-07
5395	481055.42	3851443.58	5.07E-04	5.23E-04	4.76E-04	1.75E-07	5.30E-07	3.07E-07	3.07E-07	2.87E-07	1.31E-07	1.19E-07	0.00E+00	0.00E+00	5.64E-08	1.04E-08	6.81E-08	1.05E-08	9.22E-09	1.55E-07
5396	481110.22	3851443.15	5.04E-04	5.20E-04	4.71E-04	1.74E-07	5.26E-07	3.05E-07	3.05E-07	2.85E-07	1.30E-07	1.18E-07	0.00E+00	0.00E+00	5.60E-08	1.03E-08	6.78E-08	1.05E-08	9.13E-09	1.54E-07
5397	481111.1	3851417.45	4.98E-04	5.14E-04	4.65E-04	1.72E-07	5.20E-07	3.01E-07	3.01E-07	2.82E-07	1.29E-07	1.16E-07	0.00E+00	0.00E+00	5.54E-08	1.02E-08	6.70E-08	1.03E-08	9.02E-09	1.52E-07
5398	482248.44	3852605.09	7.24E-04	7.49E-04	6.71E-04	2.51E-07	7.56E-07	4.38E-07	4.38E-07	4.11E-07	1.88E-07	1.68E-07	0.00E+00	0.00E+00	8.06E-08	1.49E-08	9.77E-08	1.51E-08	1.30E-08	2.21E-07
5399	482273.34	3852632.31	7.31E-04	7.57E-04	6.77E-04	2.53E-07	7.64E-07	4.42E-07	4.42E-07	4.15E-07	1.89E-07	1.69E-07	0.00E+00	0.00E+00	8.14E-08	1.50E-08	9.87E-08	1.52E-08	1.31E-08	2.23E-07
5400	482665.46	3853038.72	8.71E-04	9.03E-04	8.04E-04	3.02E-07	9.11E-07	5.27E-07	5.27E-07	4.95E-07	2.26E-07	2.01E-07	0.00E+00	0.00E+00	9.70E-08	1.79E-08	1.18E-07	1.81E-08	1.56E-08	2.66E-07
5401	483077.95	3853844.31	1.15E-03	1.19E-03	1.07E-03	3.99E-07	1.21E-06	6.98E-07	6.98E-07	6.55E-07	2.99E-07	2.67E-07	0.00E+00	0.00E+00	1.28E-07	2.37E-08	1.56E-07	2.40E-08	2.07E-08	3.52E-07
5402	483121.38	3853909.38	1.17E-03	1.21E-03	1.08E-03	4.05E-07	1.22E-06	7.09E-07	7.09E-07	6.66E-07	3.04E-07	2.70E-07	0.00E+00	0.00E+00	1.30E-07	2.41E-08	1.58E-07	2.44E-08	2.09E-08	3.58E-07
5403	483492.64	3853911.49	1.16E-03	1.21E-03	1.01E-03	4.00E-07	1.21E-06	6.99E-07	6.99E-07	6.66E-07	3.04E-07	2.52E-07	0.00E+00	0.00E+00	1.29E-07	2.37E-08	1.58E-07	2.44E-08	1.95E-08	3.54E-07
5404	483498.29	3854204.73	1.32E-03	1.38E-03	1.17E-03	4.57E-07	1.38E-06	7.99E-07	7.99E-07	7.58E-07	3.46E-07	2.93E-07	0.00E+00	0.00E+00	1.47E-07	2.71E-08	1.80E-07	2.78E-08	2.27E-08	4.05E-07
5405	484132.44	3854662.55	1.97E-03	2.07E-03	1.73E-03	6.83E-07	2.06E-06	1.19E-06	1.19E-06	1.14E-06	5.18E-07	4.33E-07	0.00E+00	0.00E+00	2.20E-07	4.05E-08	2.70E-07	4.16E-08	3.35E-08	6.05E-07
5406	484627.62	3854876.13	3.20E-03	3.38E-03	2.73E-03	1.11E-06	3.34E-06	1.93E-06	1.93E-06	1.85E-06	8.45E-07	6.83E-07	0.00E+00	0.00E+00	3.56E-07	6.57E-08	4.40E-07	6.78E-08	5.29E-08	9.82E-07
5407	484756.14	3854949.04	3.84E-03	4.07E-03	3.19E-03	1.33E-06	4.01E-06	2.32E-06	2.32E-06	2.23E-06	1.02E-06	7.99E-07	0.00E+00	0.00E+00	4.27E-07	7.88E-08	5.31E-07	8.19E-08	6.19E-08	1.18E-06
5408	486697.51	3856599.17	2.78E-02	3.09E-02	1.81E-02	9.61E-06	2.90E-05	1.68E-05	1.68E-05	1.69E-05	7.73E-06	4.54E-06	0.00E+00	0.00E+00	3.09E-06	5.70E-07	4.03E-06	6.21E-07	3.51E-07	8.66E-06
5409	487105.31	3856962.27	3.02E-02	3.35E-02	2.00E-02	1.05E-05	3.16E-05	1.83E-05	1.83E-05	1.84E-05	8.39E-06	4.99E-06	0.00E+00	0.00E+00	3.36E-06	6.20E-07	4.37E-06	6.74E-07	3.87E-07	9.41E-06
5410	487157.57	3856901.7	2.48E-02	2.74E-02	1.71E-02	8.58E-06	2.59E-05	1.50E-05	1.50E-05	1.50E-05	6.85E-06	4.27E-06	0.00E+00	0.00E+00	2.76E-06	5.09E-07	3.57E-06	5.50E-07	3.31E-07	7.72E-06
5411	487173.5	3856853.74	2.28E-02	2.50E-02	1.59E-02	7.88E-06	2.38E-05	1.38E-05	1.38E-05	1.37E-05	6.27E-06	3.99E-06	0.00E+00	0.00E+00	2.53E-06	4.68E-07	3.26E-06	5.03E-07	3.09E-07	7.08E-06
5412	487564.41	3856860.83	1.60E-02	1.73E-02	1.22E-02	5.55E-06	1.67E-05	9.70E-06	9.70E-06	9.51E-06	4.34E-06	3.05E-06	0.00E+00	0.00E+00	1.78E-06	3.29E-07	2.26E-06	3.49E-07	2.36E-07	4.96E-06
5413	487563.31	3856931.58	1.63E-02	1.77E-02	1.25E-02	5.65E-06	1.71E-05	9.88E-06	9.88E-06	9.69E-06	4.42E-06	3.13E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.30E-06	3.55E-07	2.42E-07	5.05E-06
5414	487782.7	3856926.85	1.40E-02	1.51E-02	1.12E-02	4.86E-06	1.47E-05	8.50E-06	8.50E-06	8.27E-06	3.77E-06	2.80E-06	0.00E+00	0.00E+00	1.56E-06	2.89E-07	1.96E-06	3.03E-07	2.17E-07	4.34E-06
5415	487782.39	3856757.07	1.35E-02	1.45E-02	1.06E-02	4.67E-06	1.41E-05	8.17E-06	8.17E-06	7.97E-06	3.63E-06	2.65E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.89E-06	2.92E-07	2.05E-07	4.17E-06
5416	487917.26	3856752.41	1.26E-02	1.35E-02	1.01E-02	4.37E-06	1.32E-05	7.64E-06	7.64E-06	7.42E-06	3.39E-06	2.52E-06	0.00E+00	0.00E+00	1.41E-06	2.59E-07	1.76E-06	2.72E-07	1.95E-07	3.90E-06
5417	487919.57	3856953.35	1.30E-02	1.39E-02	1.06E-02	4.51E-06	1.36E-05	7.88E-06	7.88E-06	7.62E-06	3.48E-06	2.66E-06	0.00E+00	0.00E+00	1.45E-06	2.67E-07	1.81E-06	2.79E-07	2.06E-07	4.01E-06
5418	487932.76	3857000.32	1.28E-02	1.37E-02	1.06E-02	4.45E-06	1.34E-05	7.77E-06	7.77E-06	7.50E-06	3.42E-06	2.65E-06	0.00E+00	0.00E+00	1.43E-06	2.64E-07	1.78E-06	2.75E-07	2.05E-07	3.96E-06
5419	487960.5	3857044.75	1.26E-02	1.33E-02	1.05E-02	4.35E-06	1.31E-05	7.60E-06	7.60E-06	7.32E-06	3.34E-06	2.62E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.74E-06	2.68E-07	2.03E-07	3.87E-06
5420	488016.54	3857089.54	1.21E-02	1.28E-02	1.03E-02	4.19E-06	1.27E-05	7.32E-06	7.32E-06	7.02E-06	3.21E-06	2.57E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.67E-06	2.57E-07	1.99E-07	3.72E-06
5421	488114.39	3857165.47	1.15E-02	1.20E-02	9.98E-03	3.97E-06	1.20E-05	6.93E-06	6.93E-06	6.61E-06	3.02E-06	2.50E-06	0.00E+00	0.00E+00	1.28E-06	2.35E-07	1.57E-06	2.42E-07	1.93E-07	3.52E-06
5422	488171.49	3857234.24	1.11E-02	1.17E-02	9.92E-03	3.86E-06	1.17E-05	6.75E-06	6.75E-06	6.40E-06	2.92E-06	2.48E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.52E-06	2.34E-07	1.92E-07	3.42E-06
5423	488193.16	3857297.8	1.11E-02	1.15E-02	1.00E-02	3.83E-06	1.16E-05	6.69E-06	6.69E-06	6.31E-06	2.88E-06	2.51E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.50E-06	2.31E-07	1.94E-07	3.38E-06
5424	488189.27	3857649.94	1.18E-02	1.20E-02	1.15E-02	4.07E-06	1.23E-05	7.12E-06	7.12E-06	6.59E-06	3.01E-06	2.88E-06	0.00E+00	0.00E+00	1.31E-06	2.42E-07	1.57E-06	2.42E-07	2.23E-07	3.58E-06
5425	488127.43	3857732.32	1.23E-02	1.26E-02	1.22E-02	4.27E-06	1.29E-05	7.47E-06	7.47E-06	6.89E-06	3.14E-06	3.05E-06	0.00E+00	0.00E+00	1.37E-06	2.54E-07	1.64E-06	2.52E-07	2.36E-07	3.75E-06
5426	488149.93	3857752.94	1.25E-02	1.27E-02	1.24E-02	4.32E-06	1.30E-05	7.55E-06	7.55E-06	6.96E-06	3.18E-06	3.10E-06	0.00E+00	0.00E+00	1.39E-06	2.56E-07	1.65E-06	2.55E-07	2.40E-07	3.80E-06
5427	488144.76	3857758.71	1.25E-02	1.27E-02	1.24E-02	4.34E-06	1.31E-05	7.58E-06	7.58E-06	6.99E-06	3.19E-06	3.11E-06	0.00E+00	0.00E+00	1.39E-06	2.57E-07	1.66E-06	2.56E-07	2.41E-07	3.81E-06
5428	488335.58	3857932.55	3.82E-02	3.84E-02	3.83E-02	1.32E-05	3.99E-05	2.31E-05	2.31E-05	2.10E-05	9.60E-06	9.59E-06	0.00E+00	0.00E+00	4.25E-06	7.84E-07	5.00E-06	7.71E-07	7.42E-07	1.15E-05
5429	488372.29	3857943.79	3.77E-02	3.78E-02	3.78E-02	1.30E-05	3.94E-05	2.28E-05	2.28E-05	2.07E-05	9.46E-06	9.45E-06	0.00E+00	0.00E+00	4.19E-06	7.73E-07	4.93E-06	7.60E-07	7.32E-07	1.14E-05
5430	488828.64	3857936.4	1.90E-02	1.91E-02	1.90E-02	6.56E-06	1.98E-05	1.15E-05	1.15E-05	1.05E-05	4.78E-06	4.75E-06	0.00E+00	0.00E+00	2.11E-06	3.89E-07	2.49E-06	3.84E-07	3.68E-07	5.74E-06
5431	488829.08	3857959.58	1.88E-02	1.90E-02	1.89E-02	6.51E-06	1.97E-05	1.14E-05	1.14E-05	1.04E-05	4.75E-06	4.72E-06	0.00E+00	0.00E+00	2.09E-06	3.86E-07	2.47E-06	3.81E-07	3.66E-07	5.70E-06
5432	488351.61	3857964.55	4.03E-02	4.05E-02	4.05E-02	1.40E-05	4.21E-05	2.44E-05	2.44E-05	2.22E-05	1.01E-05	1.01E-05	0.00E+00	0.00E+00	4.49E-06	8.28E-07	5.27E-06	8.13E-07	7.84E-07	1.22E-05
5433	488316.87	3857947.65	4.11E-02	4.12E-02	4.12E-02	1.42E-05	4.29E-05	2.48E-05	2.48E-05	2.26E-05	1.03E-05	1.03E-05	0.00E+00	0.00E+00	4.57E-06	8.43E-07	5.37E-06	8.28E-07	7.98E-07	1.24E-05
5434	488129.1	3857775.77	1.27E-02	1.29E-02	1.26E-02	4.39E-06	1.33E-05	7.68E-06	7.68E-06	7.07E-06	3.23E-06	3.15E-06	0.00E+00	0.00E+00	1.41E-06	2.61E-07	1.68E-06	2.59E-07	2.44E-07	3.86E-06
5435	488062.53	3857846.13	1.36E-02	1.38E-02	1.36E-02	4.70E-06	1.42E-05	8.22E-06	8.22E-06	7.55E-06	3.44E-06	3.40E-06	0.00E+00	0.00E+00	1.51E-06	2.79E-07	1.79E-06	2.77E-07	2.64E-07	4.12E-06
5436	488330.41	3858091.34	2.51E-02	2.52E-02	2.54E-02	8.68E-06	2.62E-05	1.52E-05	1.52E-05	1.38E-05	6.31E-06	6.35E-06	0.00E+00	0.00E+00	2.79E-06	5.15E-07	3.28E-06	5.07E-07	4.91E-07	7.59E-06
5437	488470.87	3858174.45	1.86E-02	1.87E-02	1.90E-02	6.44E-06	1.94E-05	1.13E-05	1.13E-05	1.03E-05	4.69E-06	4.74E-06	0.00E+00	0.00E+00	2.07E-06	3.82E-07	2.44E-06	3.76E-07	3.67E-07	5.64E-06
5438	488568.9	3858262.31	1.70E-02	1.71E-02	1.74E-02	5.87E-06	1.77E-05	1.03E-05	1.03E-05	9.37E-06	4.27E-06	4.36E-06	0.00E+00	0.00E+00	1.89E-06	3.49E-07	2.23E-06	3.43E-07	3.37E-07	5.14E-06
5439	488964.27	3858025.71	1.63E-02	1.65E-02	1.64E-02	5.65E-06	1.70E-05	9.87E-06	9.87E-06	9.03E-06	4.12E-06	4.11E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.14E-06	3.31E-07	3.18E-07	4.94E-06
5440	489147.25	3857956.64	1.48E-02	1.50E-02	1.48E-02	5.13E-06	1.55E-05	8.97E-06	8.97E-06	8.22E-06	3.75E-06	3.72E-06	0.00E+00	0.00E+00	1.65E-06	3.04E-07	1.95E-06	3.01E-07	2.88E-07	4.50E-06
5441	489343.52	3857932.45	1.33E-02	1.35E-02	1.33E-02	4.61E-06	1.39E-05	8.06E-06	8.06E-06	7.39E-06	3.37E-06	3.33E-06	0.00E+00	0.00E+00	1.48E-06	2.74E-07	1.76E-06	2.71E-07	2.58E-07	4.04E-06
5442	489866.19	3857923.19	1.09E-02	1.10E-02	1.08E-02	3.77E-06	1.14E-05	6.59E-06	6.59E-06	6.06E-06	2.76E-06	2.72E-06	0.00E+00	0.00E+00	1.21E-06	2.24E-07	1.44E-06	2.22E-07	2.10E-07	3.31E-06
5443	489955.65	3857902.27	1.05E-02	1.07E-02	1.05E-02	3.64E-06	1.10E-05	6.37E-06	6.37E-06	5.85E-06	2.67E-06	2.62E-06	0.00E+00	0.00E+00	1.17E-06	2.16E-07	1.39E-06	2.14E-07	2.03E-07	3.20E-06
5444	490079.44	3857847.9	1.01E-02	1.03E-02	1.01E-02	3.51E-06	1.06E-05	6.14E-06	6.14E-06	5.65E-06	2.58E-06	2.52E-06	0.00E+00	0.00E+00	1.13E-06	2.08E-07	1.34E-06	2.07E-07	1.95E-07	3.08E-06
5445	490108.49	3857934.13	1.02E-02	1.03E-02	1.02E-02	3.53E-06	1.07E-05	6.17E-06	6.17E-06	5.67E-06	2.59E-06	2.54E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.35E-06	2.08E-07	1.97E-07	3.10E-06
5446	489884.48	3858014.17	1.10E-02	1.11E-02	1.10E-02	3.80E-06	1.15E-05	6.64E-06	6.64E-06	6.10E-06	2.78E-06	2.75E-06	0.00E+00	0.00E+00	1.22E-06	2.26E-07	1.45E-06	2.23E-07	2.13E-07	3.33E-06
5447	489326.56	3858025.86	1.34E-02	1.35E-02	1.34E-02	4.63E-06	1.40E-05	8.10E-06	8.10E-06	7.42E-06	3.38E-06	3.36E-06	0.00E+00	0.00E+00	1.49E-06	2.75E-07	1.76E-06	2.72E-07	2.60E-07	4.06E-06
5448	489130.38	3858056.71	1.45E-02	1.47E-02	1.46E-02	5.03E-06	1.52E-05	8.80E-06	8.80E-06	8.05E-06	3.67E-06	3.67E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	1.91E-06	2.95E-07	2.84E-07	4.41E-06
5449	488936.49	3858143.93	1.55E-02	1.56E-02	1.57E-02	5.35E-06	1.62E-05	9.36E-06	9.36E-06	8.55E-06	3.90E-06	3.93E-06	0.00E+00	0.00E+00	1.72E-06	3.18E-07	2.03E-06	3.13E-07	3.04E-07	4.69E-06
5450	488638.08	3858327.45	1.66E-02	1.67E-02	1.70E-02	5.73E-06	1.73E-05	1.00E-05	1.00E-05	9.14E-06	4.17E-06	4.26E-06	0.00E+00	0.00E+00	1.84E-06	3.40E-07	2.17E-06	3.35E-07	3.30E-07	5.02E-06
5451	488663.79	3858349.57	1.65E-02	1.66E-02	1.70E-02	5.70E-06	1.72E-05	9.97E-06	9.97E-06	9.09E-06	4.15E-06	4.25E-06	0.00E+00	0.00E+00	1.83E-06	3.38E-07	2.16E-06	3.33E-07	3.29E-07	4.99E-06
5452	488694.56	3858349.5	1.63E-02	1.64E-02	1.68E-02	5.65E-06	1.71E-05	9.88E-06	9.88E-06	9.01E-06	4.11E-06	4.21E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.14E-06	3.30E-07	3.26E-07	4.95E-06
5453	488694.35	3858336.75	1.63E-02	1.64E-02	1.68E-02	5.64E-06	1.70E-05	9.87E-06	9.87E-06	9.00E-06	4.11E-06	4.20E-06	0.00E+00	0.00E+00	1.82E-06	3.35E-07	2.14E-06	3.30E-07	3.25E-07	4.94E-06

5454	488712.81	3858336.38	1.62E-02	1.63E-02	1.67E-02	5.61E-06	1.69E-05	9.81E-06	9.81E-06	8.95E-06	4.08E-06	4.17E-06	0.00E+00	0.00E+00	1.80E-06	3.33E-07	2.13E-06	3.28E-07	3.23E-07	4.91E-06
5455	488713.23	3858367.46	1.63E-02	1.64E-02	1.68E-02	5.64E-06	1.70E-05	9.86E-06	9.86E-06	8.99E-06	4.10E-06	4.20E-06	0.00E+00	0.00E+00	1.81E-06	3.35E-07	2.14E-06	3.30E-07	3.25E-07	4.94E-06
5456	488704.63	3858384.05	1.64E-02	1.65E-02	1.69E-02	5.68E-06	1.72E-05	9.94E-06	9.94E-06	9.06E-06	4.13E-06	4.24E-06	0.00E+00	0.00E+00	1.83E-06	3.37E-07	2.15E-06	3.32E-07	3.28E-07	4.98E-06
5457	488604.15	3858488.29	1.79E-02	1.80E-02	1.86E-02	6.20E-06	1.87E-05	1.08E-05	1.08E-05	9.87E-06	4.51E-06	4.64E-06	0.00E+00	0.00E+00	1.99E-06	3.68E-07	2.35E-06	3.62E-07	3.60E-07	5.43E-06
5458	488605.66	3858550.47	1.89E-02	1.90E-02	1.96E-02	6.54E-06	1.98E-05	1.14E-05	1.14E-05	1.04E-05	4.75E-06	4.91E-06	0.00E+00	0.00E+00	2.10E-06	3.88E-07	2.47E-06	3.82E-07	3.80E-07	5.73E-06
5459	488692.68	3858548.71	1.84E-02	1.84E-02	1.90E-02	6.35E-06	1.92E-05	1.11E-05	1.11E-05	1.01E-05	4.61E-06	4.77E-06	0.00E+00	0.00E+00	2.04E-06	3.77E-07	2.40E-06	3.71E-07	3.69E-07	5.56E-06
5460	488759.93	3858461.81	1.67E-02	1.68E-02	1.73E-02	5.79E-06	1.75E-05	1.01E-05	1.01E-05	9.23E-06	4.21E-06	4.33E-06	0.00E+00	0.00E+00	1.86E-06	3.44E-07	2.19E-06	3.38E-07	3.35E-07	5.07E-06
5461	488816.57	3858541.79	1.76E-02	1.76E-02	1.82E-02	6.08E-06	1.83E-05	1.06E-05	1.06E-05	9.67E-06	4.41E-06	4.55E-06	0.00E+00	0.00E+00	1.95E-06	3.60E-07	2.30E-06	3.54E-07	3.53E-07	5.32E-06
5462	488944.63	3858656.77	1.95E-02	1.96E-02	2.03E-02	6.76E-06	2.04E-05	1.18E-05	1.18E-05	1.08E-05	4.91E-06	5.09E-06	0.00E+00	0.00E+00	2.18E-06	4.01E-07	2.56E-06	3.94E-07	3.94E-07	5.92E-06
5463	489134.91	3858830.7	2.39E-02	2.40E-02	2.50E-02	8.28E-06	2.50E-05	1.45E-05	1.45E-05	1.32E-05	6.01E-06	6.26E-06	0.00E+00	0.00E+00	2.66E-06	4.92E-07	3.13E-06	4.82E-07	4.84E-07	7.25E-06
5464	489193.99	3858886.05	2.51E-02	2.52E-02	2.63E-02	8.70E-06	2.63E-05	1.52E-05	1.52E-05	1.38E-05	6.31E-06	6.58E-06	0.00E+00	0.00E+00	2.80E-06	5.16E-07	3.28E-06	5.06E-07	5.09E-07	7.61E-06
5465	489295.2	3858954.34	2.55E-02	2.56E-02	2.67E-02	8.84E-06	2.67E-05	1.54E-05	1.54E-05	1.40E-05	6.40E-06	6.68E-06	0.00E+00	0.00E+00	2.84E-06	5.24E-07	3.33E-06	5.14E-07	5.17E-07	7.73E-06
5466	489295.64	3858992.74	2.66E-02	2.67E-02	2.79E-02	9.21E-06	2.78E-05	1.61E-05	1.61E-05	1.46E-05	6.68E-06	6.97E-06	0.00E+00	0.00E+00	2.96E-06	5.47E-07	3.48E-06	5.36E-07	5.40E-07	8.06E-06
5467	489183.74	3858911.72	2.63E-02	2.64E-02	2.75E-02	9.10E-06	2.75E-05	1.59E-05	1.59E-05	1.45E-05	6.60E-06	6.89E-06	0.00E+00	0.00E+00	2.93E-06	5.40E-07	3.44E-06	5.30E-07	5.33E-07	7.97E-06
5468	488873.37	3858625.59	1.91E-02	1.92E-02	1.98E-02	6.60E-06	1.99E-05	1.15E-05	1.15E-05	1.05E-05	4.79E-06	4.96E-06	0.00E+00	0.00E+00	2.12E-06	3.92E-07	2.50E-06	3.85E-07	3.84E-07	5.78E-06
5469	488842.84	3858658.69	2.03E-02	2.04E-02	2.11E-02	7.03E-06	2.12E-05	1.23E-05	1.23E-05	1.12E-05	5.10E-06	5.29E-06	0.00E+00	0.00E+00	2.26E-06	4.17E-07	2.66E-06	4.10E-07	4.10E-07	6.16E-06
5470	488856.39	3858670.93	2.06E-02	2.07E-02	2.15E-02	7.13E-06	2.15E-05	1.25E-05	1.25E-05	1.13E-05	5.18E-06	5.37E-06	0.00E+00	0.00E+00	2.29E-06	4.23E-07	2.70E-06	4.16E-07	4.16E-07	6.24E-06
5471	488805.7	3858724.5	2.34E-02	2.34E-02	2.44E-02	8.09E-06	2.44E-05	1.41E-05	1.41E-05	1.29E-05	5.87E-06	6.10E-06	0.00E+00	0.00E+00	2.60E-06	4.80E-07	3.05E-06	4.71E-07	4.72E-07	7.08E-06
5472	488805.87	3858804.16	2.84E-02	2.84E-02	2.97E-02	9.81E-06	2.96E-05	1.72E-05	1.72E-05	1.56E-05	7.11E-06	7.42E-06	0.00E+00	0.00E+00	3.16E-06	5.82E-07	3.70E-06	5.71E-07	5.75E-07	8.59E-06
5473	488995.78	3858936.96	3.29E-02	3.30E-02	3.45E-02	1.14E-05	3.44E-05	1.99E-05	1.99E-05	1.81E-05	8.25E-06	8.63E-06	0.00E+00	0.00E+00	3.66E-06	6.76E-07	4.30E-06	6.63E-07	6.68E-07	9.97E-06
5474	489130.76	3859017.38	3.19E-02	3.19E-02	3.34E-02	1.10E-05	3.33E-05	1.93E-05	1.93E-05	1.75E-05	7.99E-06	8.36E-06	0.00E+00	0.00E+00	3.55E-06	6.54E-07	4.16E-06	6.42E-07	6.47E-07	9.65E-06
5475	489130.92	3859052.24	3.29E-02	3.30E-02	3.45E-02	1.14E-05	3.44E-05	1.99E-05	1.99E-05	1.81E-05	8.26E-06	8.64E-06	0.00E+00	0.00E+00	3.67E-06	6.76E-07	4.30E-06	6.63E-07	6.69E-07	9.97E-06
5476	489200.33	3859090.6	3.16E-02	3.16E-02	3.31E-02	1.09E-05	3.30E-05	1.91E-05	1.91E-05	1.74E-05	7.92E-06	8.28E-06	0.00E+00	0.00E+00	3.51E-06	6.48E-07	4.12E-06	6.36E-07	6.41E-07	9.56E-06
5477	489296.07	3859143.7	2.97E-02	2.98E-02	3.11E-02	1.03E-05	3.11E-05	1.80E-05	1.80E-05	1.63E-05	7.45E-06	7.79E-06	0.00E+00	0.00E+00	3.31E-06	6.10E-07	3.88E-06	5.98E-07	6.03E-07	9.00E-06
5478	489296.43	3858954.74	2.55E-02	2.56E-02	2.67E-02	8.83E-06	2.67E-05	1.54E-05	1.54E-05	1.40E-05	6.40E-06	6.68E-06	0.00E+00	0.00E+00	2.84E-06	5.24E-07	3.33E-06	5.14E-07	5.17E-07	7.73E-06
5479	489410.33	3859033.19	2.51E-02	2.52E-02	2.63E-02	8.69E-06	2.62E-05	1.52E-05	1.52E-05	1.38E-05	6.30E-06	6.57E-06	0.00E+00	0.00E+00	2.79E-06	5.16E-07	3.28E-06	5.06E-07	5.09E-07	7.60E-06
5480	489371.37	3859089.8	2.70E-02	2.70E-02	2.83E-02	9.34E-06	2.82E-05	1.63E-05	1.63E-05	1.48E-05	6.77E-06	7.07E-06	0.00E+00	0.00E+00	3.00E-06	5.54E-07	3.52E-06	5.43E-07	5.48E-07	8.17E-06
5481	489390.52	3859102.82	2.68E-02	2.68E-02	2.80E-02	9.26E-06	2.80E-05	1.62E-05	1.62E-05	1.47E-05	6.71E-06	7.01E-06	0.00E+00	0.00E+00	2.98E-06	5.50E-07	3.49E-06	5.39E-07	5.43E-07	8.10E-06
5482	489382.3	3859114.53	2.71E-02	2.71E-02	2.84E-02	9.38E-06	2.83E-05	1.64E-05	1.64E-05	1.49E-05	6.79E-06	7.10E-06	0.00E+00	0.00E+00	3.02E-06	5.56E-07	3.54E-06	5.46E-07	5.50E-07	8.21E-06
5483	489363.04	3859102.45	2.74E-02	2.74E-02	2.86E-02	9.47E-06	2.86E-05	1.65E-05	1.65E-05	1.50E-05	6.86E-06	7.17E-06	0.00E+00	0.00E+00	3.04E-06	5.62E-07	3.57E-06	5.51E-07	5.55E-07	8.28E-06
5484	489337.52	3859140.71	2.86E-02	2.86E-02	2.99E-02	9.89E-06	2.99E-05	1.73E-05	1.73E-05	1.57E-05	7.17E-06	7.49E-06	0.00E+00	0.00E+00	3.18E-06	5.87E-07	3.73E-06	5.75E-07	5.80E-07	8.66E-06
5485	489375.14	3859164.55	2.79E-02	2.80E-02	2.92E-02	9.66E-06	2.92E-05	1.69E-05	1.69E-05	1.53E-05	7.00E-06	7.32E-06	0.00E+00	0.00E+00	3.11E-06	5.73E-07	3.64E-06	5.62E-07	5.66E-07	8.45E-06
5486	489409.3	3859114.5	2.65E-02	2.66E-02	2.78E-02	9.18E-06	2.77E-05	1.60E-05	1.60E-05	1.46E-05	6.65E-06	6.95E-06	0.00E+00	0.00E+00	2.95E-06	5.44E-07	3.46E-06	5.34E-07	5.38E-07	8.03E-06
5487	489434.87	3859131.81	2.61E-02	2.62E-02	2.74E-02	9.05E-06	2.73E-05	1.58E-05	1.58E-05	1.44E-05	6.56E-06	6.85E-06	0.00E+00	0.00E+00	2.91E-06	5.37E-07	3.41E-06	5.27E-07	5.30E-07	7.92E-06
5488	489471.87	3859075.75	2.46E-02	2.47E-02	2.57E-02	8.52E-06	2.57E-05	1.49E-05	1.49E-05	1.35E-05	6.17E-06	6.44E-06	0.00E+00	0.00E+00	2.74E-06	5.05E-07	3.21E-06	4.96E-07	4.99E-07	7.45E-06
5489	489602.62	3859164.69	2.32E-02	2.33E-02	2.43E-02	8.04E-06	2.43E-05	1.41E-05	1.41E-05	1.28E-05	5.83E-06	6.08E-06	0.00E+00	0.00E+00	2.59E-06	4.77E-07	3.03E-06	4.68E-07	4.71E-07	7.04E-06
5490	489558.29	3859232.45	2.44E-02	2.44E-02	2.55E-02	8.44E-06	2.55E-05	1.48E-05	1.48E-05	1.34E-05	6.12E-06	6.39E-06	0.00E+00	0.00E+00	2.72E-06	5.01E-07	3.19E-06	4.91E-07	4.95E-07	7.39E-06
5491	489620.11	3859273.56	2.35E-02	2.35E-02	2.46E-02	8.12E-06	2.45E-05	1.42E-05	1.42E-05	1.29E-05	5.89E-06	6.15E-06	0.00E+00	0.00E+00	2.61E-06	4.82E-07	3.06E-06	4.73E-07	4.76E-07	7.11E-06
5492	489666.06	3859206.42	2.25E-02	2.25E-02	2.35E-02	7.79E-06	2.35E-05	1.36E-05	1.36E-05	1.24E-05	5.64E-06	5.89E-06	0.00E+00	0.00E+00	2.50E-06	4.62E-07	2.94E-06	4.53E-07	4.56E-07	6.81E-06
5493	489787.9	3859285.65	2.10E-02	2.10E-02	2.19E-02	7.26E-06	2.19E-05	1.27E-05	1.27E-05	1.15E-05	5.26E-06	5.49E-06	0.00E+00	0.00E+00	2.34E-06	4.31E-07	2.74E-06	4.23E-07	4.25E-07	6.35E-06
5494	489752.17	3859343.13	2.15E-02	2.15E-02	2.25E-02	7.43E-06	2.24E-05	1.30E-05	1.30E-05	1.18E-05	5.39E-06	5.62E-06	0.00E+00	0.00E+00	2.39E-06	4.41E-07	2.81E-06	4.33E-07	4.35E-07	6.50E-06
5495	489814.94	3859385.33	2.06E-02	2.07E-02	2.16E-02	7.13E-06	2.15E-05	1.25E-05	1.25E-05	1.13E-05	5.17E-06	5.40E-06	0.00E+00	0.00E+00	2.29E-06	4.23E-07	2.69E-06	4.15E-07	4.18E-07	6.24E-06
5496	489853.42	3859330.74	2.02E-02	2.02E-02	2.11E-02	6.99E-06	2.11E-05	1.22E-05	1.22E-05	1.11E-05	5.06E-06	5.28E-06	0.00E+00	0.00E+00	2.25E-06	4.15E-07	2.64E-06	4.07E-07	4.09E-07	6.11E-06
5497	489969.5	3859401.91	1.89E-02	1.89E-02	1.97E-02	6.53E-06	1.97E-05	1.14E-05	1.14E-05	1.04E-05	4.73E-06	4.94E-06	0.00E+00	0.00E+00	2.10E-06	3.87E-07	2.46E-06	3.80E-07	3.82E-07	5.71E-06
5498	490166.91	3859486.96	1.71E-02	1.71E-02	1.79E-02	5.91E-06	1.79E-05	1.03E-05	1.03E-05	9.39E-06	4.29E-06	4.47E-06	0.00E+00	0.00E+00	1.90E-06	3.51E-07	2.23E-06	3.44E-07	3.46E-07	5.17E-06
5499	490128.86	3859571.46	1.73E-02	1.74E-02	1.81E-02	6.00E-06	1.81E-05	1.05E-05	1.05E-05	9.52E-06	4.35E-06	4.53E-06	0.00E+00	0.00E+00	1.93E-06	3.56E-07	2.26E-06	3.49E-07	3.51E-07	5.25E-06
5500	490186.65	3859593.65	1.69E-02	1.69E-02	1.76E-02	5.83E-06	1.76E-05	1.02E-05	1.02E-05	9.27E-06	4.23E-06	4.41E-06	0.00E+00	0.00E+00	1.88E-06	3.46E-07	2.20E-06	3.40E-07	3.41E-07	5.10E-06
5501	490223.74	3859517.48	1.66E-02	1.67E-02	1.74E-02	5.75E-06	1.74E-05	1.01E-05	1.01E-05	9.14E-06	4.17E-06	4.35E-06	0.00E+00	0.00E+00	1.85E-06	3.41E-07	2.17E-06	3.35E-07	3.36E-07	5.03E-06
5502	490846.34	3859817.22	1.25E-02	1.26E-02	1.31E-02	4.34E-06	1.31E-05	7.59E-06	7.59E-06	6.90E-06	3.15E-06	3.28E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.64E-06	2.53E-07	2.54E-07	3.80E-06
5503	490925.65	3859844.59	1.21E-02	1.21E-02	1.26E-02	4.19E-06	1.26E-05	7.32E-06	7.32E-06	6.66E-06	3.04E-06	3.16E-06	0.00E+00	0.00E+00	1.35E-06	2.49E-07	1.58E-06	2.44E-07	2.45E-07	3.67E-06
5504	491159.29	3859896.28	1.12E-02	1.12E-02	1.16E-02	3.86E-06	1.17E-05	6.75E-06	6.75E-06	6.14E-06	2.80E-06	2.91E-06	0.00E+00	0.00E+00	1.24E-06	2.29E-07	1.46E-06	2.25E-07	2.25E-07	3.38E-06
5505	491370.69	3859960.89	1.03E-02	1.04E-02	1.08E-02	3.57E-06	1.08E-05	6.25E-06	6.25E-06	5.68E-06	2.59E-06	2.69E-06	0.00E+00	0.00E+00	1.15E-06	2.12E-07	1.35E-06	2.08E-07	2.09E-07	3.13E-06
5506	491330.28	3860063.17	1.02E-02	1.03E-02	1.07E-02	3.54E-06	1.07E-05	6.19E-06	6.19E-06	5.63E-06	2.57E-06	2.67E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.34E-06	2.06E-07	2.07E-07	3.10E-06
5507	491636.45	3860180.75	8.88E-03	8.91E-03	9.25E-03	3.07E-06	9.28E-06	5.37E-06	5.37E-06	4.89E-06	2.23E-06	2.32E-06	0.00E+00	0.00E+00	9.88E-07	1.82E-07	1.16E-06	1.79E-07	1.79E-07	2.69E-06
5508	491617.94	3860203.93	8.85E-03	8.88E-03	9.23E-03	3.06E-06	9.25E-06	5.36E-06	5.36E-06	4.87E-06	2.22E-06	2.31E-06	0.00E+00	0.00E+00	9.85E-07	1.82E-07	1.16E-06	1.79E-07	1.79E-07	2.68E-06
5509	491805.68	3860271.59	8.12E-03	8.15E-03	8.46E-03	2.81E-06	8.49E-06	4.92E-06	4.92E-06	4.47E-06	2.04E-06	2.12E-06	0.00E+00	0.00E+00	9.04E-07	1.67E-07	1.06E-06	1.64E-07	1.64E-07	2.46E-06
5510	491654.23	3860414.02	7.96E-03	7.98E-03	8.29E-03	2.75E-06	8.31E-06	4.81E-06	4.81E-06	4.38E-06	2.00E-06	2.08E-06	0.00E+00	0.00E+00	8.86E-07	1.63E-07	1.04E-06	1.60E-07	1.61E-07	2.41E-06
5511	491592.62	3860510.76	7.65E-03	7.68E-03	7.98E-03	2.65E-06	8.00E-06	4.63E-06	4.63E-06	4.21E-06	1.92E-06	2.00E-06	0.00E+00	0.00E+00	8.52E-07	1.57E-07	1.00E-06	1.54E-07	1.55E-07	2.32E-06
5512	491475.41	3860368.93	8.55E-03	8.58E-03	8.92E-03	2.96E-06	8.94E-06	5.17E-06	5.17E-06	4.71E-06	2.15E-06	2.23E-06	0.00E+00	0.00E+00	9.52E-07	1.76E-07	1.12E-06	1.72E-07	1.73E-07	2.59E-06
5513	491445.61	3860337.28	8.77E-03	8.80E-03	9.15E-03	3.04E-06	9.17E-06	5.31E-06	5.31E-06	4.83E-06	2.20E-06	2.29E-06	0.00E+00	0.00E+00	9.77E-07	1.80E-07	1.15E-06	1.77E-07	1.77E-07	2.66E-06
5514	491399.05	3860300.37	9.08E-03	9.11E-03	9.48E-03	3.14E-06	9.50E-06	5.50E-06	5.50E-06	5.00E-06	2.28E-06	2.37E-06	0.00E+00	0.00E+00	1.01E-06	1.87E-07	1.19E-06	1.83E-07	1.84E-07	2.75E-06
5515	491228.84	3860235.98	9.93E-03	9.96E-03	1.04E-02	3.44E-06	1.04E-05	6.01E-06	6.01E-06	5.46E-06	2.49E-06	2.59E-06	0.00E+00	0.00E+00	1.11E-06	2.04E-07	1.30E-06	2.00E-07	2.01E-07	3.01E-06
5516	491228.47	3860174.57	1.02E-02	1.02E-02	1.07E-02	3.53E-06	1.07E-05	6.17E-06	6.17E-06	5.61E-06	2.56E-06	2.67E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.33E-06	2.06E-07	2.06E-07	3.09E-06
5517	491145.77	3860112.55	1.08E-02	1.08E-02	1.12E-02	3.73E-06	1.13E-05	6.52E-06	6.52E-06	5.93E-06	2.70E-06	2.82E-06	0.00E+00	0.00E+00	1.20E-06	2.21E-07	1.41E-06	2.17E-07	2.18E-07	3.26E-06
5518	490844.41	3859966.22	1.25E-02	1.25E-02	1.31E-02	4.33E-06	1.31E-05	7.57E-06	7.57E-06	6.88E-06	3.14E-06	3.27E-06	0.00E+00	0.00E+00	1.39E-06	2.57E-07	1.63E-06	2.52E-07	2.53E-07	3.79E-06
5519	490845.55	3859928.15	1.26E-02	1.26E-02	1.31E-02	4.35E-06	1.31E-05	7.60E-06	7.60E-06	6.91E-06	3.15E-06	3.28E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.64E-06	2.53E-07	2.54E-07	3.81E-06
5520	490046.91	3859625.6	1.79E-02	1.79E-02	1.87E-02	6.19E-06	1.87E-05	1.08E-05	1.08E-05	9.84E-06	4.49E-06	4.68E-06	0.00E+00	0.00E+00	1.99E-06	3.67E-07	2.34E-06	3.60E-07	3.63E-07	5.42E-06
5521	489970.48	3859589.4	1.86E-02	1.86E-02	1.94E-02	6.43E-06	1.94E-05	1.12E-05	1.12E-05	1.02E-05	4.66E-06	4.86E-06	0.00E+00	0.00E+00	2.07E-06	3.81E-07	2.43E-06	3.74E-07	3.77E-07	5.63E-06
5522	489865.89	3859529.06	1.97E-02	1.97E-02	2.06E-02	6.81E-06	2.06E-05	1.19E-05	1.19E-05	1.08E-05	4.93E-06	5.15E-06	0.00E+00	0.00E+00	2.19E-06	4.04E-07	2.57E-06	3.96E-07	3.99E-07	5.96E-06
5523	489826.89	3859531.74	2.01E-02	2.01E-02	2.10E-02	6.94E-06	2.10E-05	1.21E-05	1.21E-05	1.10E-05	5.03E-06	5.25E-06	0.00E+00	0.00E+00	2.23E-06	4.12E-07	2.62E-06	4.04E-07	4.07E-07	6.08E-06
5524	489410.47	3859303.06	2.77E-02	2.78E-02	2.91E-02	9.60E-06	2.90E-05	1.68E-05	1.68E-05	1.52E-05	6.96E-06	7.28E-06	0.00E+00	0.00E+00	3.09E-06	5.70E-07	3.62E-06	5.59E-07	5.63E-07	8.40E-06
5525	489407.15	3859286.09	2.78E-02	2.79E-02	2.91E-02	9.63E-06	2.91E-05	1.68E-05	1.68E-05	1.53E-05	6.97E-06	7.30E-06	0.00E+00	0.00E+00	3.10E-06	5.71E-07	3.63E-06	5.60E-07	5.65E-07	8.42E-06
5526	488806.07	3858963.62	4.74E-02	4.74E-02	4.98E-02	1.64E-05	4.95E-05	2.87E-05	2.87E-05	2.60E-05	1.19E-05	1.25E-05	0.00E+00	0.00E+00	5.27E-06	9.73E-07	6.18E-06	9.53E-07	9.64E-07	1.43E-05
5527	488817.64	3859546.3	5.54E-02	5.54E-02	5.82E-02	1.92E-05	5.79E-05	3.35E-05	3.35E-05	3.04E-05	1.39E-05	1.46E-05	0.00E+00	0.00E+00	6.16E-06	1.14E-06	7.22E-06	1.11E-06	1.13E-06	1.68E-05
5528	489187.25	3859549.52	3.08E-02	3.09E-02	3.23E-02	1.07E-05	3.22E-05	1.86E-05	1.86E-05	1.69E-05	7.72E-06	8.09E-06	0.00E+00	0.00E+00	3.43E-06	6.33E-07	4.02E-06	6.20E-07	6.27E-07	9.33E-06
5529	489187.66	3859523.74	3.15E-02	3.16E-02	3.31E-02	1.09E-05	3.29E-05	1.91E-05	1.91E-05	1.73E-05	7.90E-06	8.27E-06	0.00E+00	0.00E+00	3.51E-06	6.47E-07	4.11E-06	6.34E-07	6.41E-07	9.54E-06
5530	489232.59	3859522.85	3.01E-02	3.02E-02	3.16E-02	1.04E-05	3.15E-05	1.82E-05	1.82E-05	1.66E-05	7.55E-06	7.91E-06	0.00E+00	0.00E+00	3.35E-06	6.19E-07	3.93E-06	6.07E-07	6.13E-07	9.13E-06
5531	489224.98	3859759.91	2.64E-02	2.64E-02	2.77E-02	9.14E-06	2.76E-05	1.60E-05	1.60E-05	1.45E-05	6.62E-06	6.93E-06	0.00E+00	0.00E+00	2.94E-06	5.42E-07	3.45E-06	5.31E-07	5.37E-07	7.99E-06
5532	488401.39	3859763.34	7.35E-02	7.35E-02	7.73E-02	2.54E-05	7.68E-05	4.45E-05	4.45E-05	4.03E-05	1.84E-05	1.94E-05	0.00E+00	0.00E+00	8.18E-06	1.51E-06	9.58E-06	1.48E-06	1.50E-06	2.22E-05
5533	488405.51	3859966.16	7.39E-02	7.39E-02	7.78E-02	2.56E-05	7.72E-05	4.47E-05	4.47E-05	4.05E-05	1.85E-05	1.95E-05	0.00E+00	0.00E+00	8.22E-06	1.52E-06	9.63E-06	1.49E-06	1.51E-06	2.24E-05
5534	489202.85	3859956.57	2.82E-02	2.82E-02	2.96E-02	9.76E-06	2.95E-05	1.71E-05	1.71E-05	1.55E-05	7.07E-06	7.41E-06	0.00E+00	0.00E+00	3.14E-06	5.79E-07	3.68E-06	5.67E-07	5.74E-07	8.54E-06
5535	489191.9	3860676.74	1.98E-02	1.98E-02	2.08E-02	6.86E-06	2.07E-05	1.20E-05	1.20E-05	1.09E-05	4.96E-06	5.21E-06	0.00E+00	0.00E+00	2.20E-06	4.07E-07	2.58E-06	3.99E-07	4.03E-07	6.00E-06
5536	488392.82	3860687.88	1.92E-02	1.92E-02	2.02E-02	6.65E-06	2.01E-05	1.16E-05	1.16E-05	1.05E-05	4.81E-06	5.05E-06	0.00E+00	0.00E+00	2.14E-06	3.94E-07	2.51E-06	3.86E-07	3.91E-07	5.81E-06
5537	488392.82	3860760.27	1.42E-02	1.42E-02	1.49E-02	4.92E-06	1.48E-05	8.59E-06	8.59E-06	7.80E-06	3.56E-06	3.73E-06	0.00E+00	0.00E+00	1.58E-06	2.92E-07	1.85E-06	2.86E-07	2.89E-07	4.30E-06
5538	487549.05	3860777.45	8.07E-03	8.10E-03	8.44E-03	2.79E-06	8.44E-06	4.89E-06	4.89E-06	4.44E-06	2.03E-06	2.11E-06	0.00E+00	0.00E+00	8.99E-07	1.66E-07	1.06E-06	1.63E-07	1.63E-07	2.45E-06
5539	487554.62	3859571.83	3.22E-02	3.22E-02	3.38E-02	1.11E-05	3.36E-05	1.95E-05	1.95E-05	1.77E-05	8.06E-06	8.46E-06	0.00E+00	0.00E+00	3.58E-06	6.61E-07	4.20E-06	6.47E-07	6.55E-07	9.74E-06
5540	485949.46	3859558.54	7.69E-03	7.73E-03	7.98E-03	2.66E-06	8.04E-06	4.65E-06	4.65E-06	4.24E-06	1.94E-06	2.00E-06	0.00E+00	0.00E+00	8.56E-07	1.58E-07	1.01E-06	1.55E-07	1.55E-07	2.33E-06
5541	485947.55	3857943.61	1.77E-02	1.78E-02	1.82E-02	6.11E-06	1.84E-05	1.07E-05	1.07E-05	9.75E-06	4.45E-06	4.55E-06	0.00E+00	0.00E+00	1.96E-06	3.62E-07	2.32E-06	3.57E-07	3.52E-07	5.35E-06
5542	484738.38	3857940.21	8.35E-03	8.44E-03	8.47E-03	2.89E-06	8.73E-06	5.05E-06	5.05E-06	4.63E-06	2.11E-06	2.12E-06	0.00E+00	0.00E+00	9.29E-07	1.71E-07	1.10E-06	1.70E-07	1.64E-07	2.53E-06
5543	484737.06	3857535.68	1.50E-02	1.51E-02	1.54E-02	5.19E-06	1.57E-05	9.07E-06	9.07E-06	8.29E-06	3.78E-06	3.85E-06	0.00E+00	0.00E+00	1.67E-06	3.08E-07	1.97E-06	3.04E-07	2.98E-07	4.55E-06
5544	483730.2	3857530.13	8.03E-03	8.12E-03	8.17E-03	2.78E-06	8.40E-06	4.86E-06	4.86E-06	4.45E-06	2.03E-06	2.05E-06	0.00E+00	0.00E+00	8.94E-07	1.65E-07	1.06E-06	1.63E-07	1.58E-07	2.44E-06
5545	483727.27	3857130.01	1.48E-02	1.49E-02	1.52E-02	5.11E-06	1.54E-05	8.93E-06	8.93E-06	8.15E-06	3.72E-06	3.81E-06	0.00E+00	0.00E+00	1.64E-06	3.03E-07	1.94E-06	2.99E-07	2.95E-07	4.48E-06
5546	483124.42	3857123.45	7.52E-03	7.60E-03	7.66E-03	2.60E-06	7.86E-06	4.55E-06	4.55E-06	4.17E-06	1.90E-06	1.92E-06	0.00E+00	0.00E+00	8.37E-07	1.54E-07	9.90E-07	1.53E-07	1.48E-07	2.28E-06
5547	483111.13	3855921.03	1.54E-02	1.55E-02	1.59E-02	5.34E-06	1.61E-05	9.34E-06	9.34E-06	8.53E-06	3.89E-06	3.99E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.03E-06	3.12E-07	3.09E-07	4.68E-06
5548	482701.73	3855918.24	8.05E-03	8.13E-03	8.20E-03	2.79E-06	8.41E-06	4.87E-06	4.87E-06	4.46E-06	2.03E-06	2.05E-06	0.00E+00	0.00E+00	8.96E-07	1.65E-07	1.06E-06	1.63E-07	1.59E-07	2.44E-06
5549	482668.02	3853521.78	1.05E-03	1.08E-03	1.00E-03	3.65E-07	1.10E-06	6.38E-07	6.38E-07	5.95E-07	2.71E-07	2.51E-07	0.00E+00	0.00E+00	1.17E-07	2.17E-08	1.41E-07	2.18E-08	1.94E-08	3.22E-07
5550	482579.91	3853219.19	9.26E-04	9.54E-04	8.72E-04	3.20E-07	9.67E-07	5.60E-07	5.60E-07	5.24E-07	2.39E-07	2.18E-07	0.00E+00	0.00E+00	1.03E-07	1.90E-08	1.24E-07	1.92E-08	1.69E-08	2.83E-07
5551	482434.06	3852961.94	8.29E-04	8.56E-04	7.74E-04	2.87E-07	8.66E-07	5.01E-07	5.01E-07	4.70E-07	2.14E-07	1.94E-07	0.00E+00	0.00E+00	9.22E-08	1.70E-08	1.12E-07	1.72E-08	1.50E-08	2.53E-07
5552	482332.11	3852832.85	7.85E-04	8.11E-04	7.33E-04	2.72E-07	8.20E-07	4.75E-07	4.75E-07	4.45E-07	2.03E-07	1.83E-07	0.00E+00	0.00E+00	8.74E-08	1.61E-08	1.06E-07	1.63E-08	1.42E-08	2.40E-07
5553	481334.99	3851818.96	5.67E-04	5.84E-04	5.34E-04	1.96E-07	5.92E-07	3.43E-07	3.43E-07	3.21E-07	1.46E-07	1.34E-07	0.00E+00	0.00E+00	6.31E-08	1.16E-08	7.62E-08	1.17E-08	1.04E-08	1.73E-07
5554	481127.62	3851646.36	5.44E-04	5.60E-04	5.15E-04	1.88E-07	5.69E-07	3.29E-07	3.29E-07	3.07E-07	1.40E-07	1.29E-07	0.00E+00	0.00E+00	6.06E-08	1.12E-08	7.30E-08	1.13E-08	9.98E-09	1.66E-07
5555	481025.04	3851591.73	5.35E-04	5.51E-04	5.09E-04	1.85E-07	5.60E-07	3.24E-07	3.24E-07	3.02E-07	1.38E-07	1.27E-07	0.00E+00	0.00E+00	5.96E-08	1.10E-08	7.18E-08	1.11E-08	9.86E-09	1.63E-07
5556	480513.6	3851335.76	4.87E-04	5.00E-04	4.70E-04	1.69E-07	5.09E-07	2.95E-07	2.95E-07	2.74E-07	1.25E-07	1.18E-07	0.00E+00	0.00E+00	5.42E-08	1.00E-08	6.51E-08	1.00E-08	9.10E-09	1.48E-07
5557	480523.56	3851317.66	4.85E-04	4.98E-04	4.67E-04	1.68E-07	5.07E-07	2.94E-07	2.94E-07	2.73E-07	1.25E-07	1.17E-07	0.00E+00	0.00E+00	5.40E-08	9.97E-09	6.49E-08	1.00E-08	9.05E-09	1.48E-07
5558	476921.56	3849569.11	2.86E-04	2.92E-04	2.79E-04	9.91E-08	2.99E-07	1.73E-07	1.73E-07	1.60E-07	7.32E-08	6.99E-08	0.00E+00	0.00E+00	3.19E-08	5.88E-09	3.81E-08	5.87E-09	5.41E-09	8.71E-08

5559	476521.19	3849373.96	2.52E-04	2.57E-04	2.44E-04	8.71E-08	2.63E-07	1.52E-07	1.52E-07	1.41E-07	6.44E-08	6.10E-08	0.00E+00	0.00E+00	2.80E-08	5.17E-09	3.36E-08	5.17E-09	4.73E-09	7.66E-08
5560	476391.45	3849333.38	2.44E-04	2.49E-04	2.36E-04	8.44E-08	2.55E-07	1.47E-07	1.47E-07	1.37E-07	6.24E-08	5.90E-08	0.00E+00	0.00E+00	2.71E-08	5.01E-09	3.25E-08	5.01E-09	4.57E-09	7.42E-08
5561	476219.41	3849304.29	2.33E-04	2.39E-04	2.25E-04	8.07E-08	2.44E-07	1.41E-07	1.41E-07	1.31E-07	5.98E-08	5.62E-08	0.00E+00	0.00E+00	2.60E-08	4.79E-09	3.11E-08	4.80E-09	4.36E-09	7.11E-08
5562	475679.11	3849218.47	2.06E-04	2.11E-04	1.96E-04	7.12E-08	2.15E-07	1.24E-07	1.24E-07	1.16E-07	5.29E-08	4.91E-08	0.00E+00	0.00E+00	2.29E-08	4.22E-09	2.75E-08	4.25E-09	3.80E-09	6.27E-08
5563	475677.71	3849233.88	2.07E-04	2.12E-04	1.97E-04	7.16E-08	2.16E-07	1.25E-07	1.25E-07	1.17E-07	5.32E-08	4.94E-08	0.00E+00	0.00E+00	2.30E-08	4.25E-09	2.77E-08	4.27E-09	3.82E-09	6.30E-08
5564	475492.74	3849204.66	1.78E-04	1.83E-04	1.68E-04	6.17E-08	1.86E-07	1.08E-07	1.08E-07	1.01E-07	4.59E-08	4.22E-08	0.00E+00	0.00E+00	1.98E-08	3.66E-09	2.39E-08	3.69E-09	3.26E-09	5.44E-08
5565	475497.64	3849158.75	1.86E-04	1.91E-04	1.76E-04	6.43E-08	1.94E-07	1.12E-07	1.12E-07	1.05E-07	4.78E-08	4.40E-08	0.00E+00	0.00E+00	2.07E-08	3.81E-09	2.49E-08	3.84E-09	3.41E-09	5.66E-08
5566	475391.35	3849141.94	1.93E-04	1.99E-04	1.84E-04	6.69E-08	2.02E-07	1.17E-07	1.17E-07	1.09E-07	4.98E-08	4.60E-08	0.00E+00	0.00E+00	2.15E-08	3.97E-09	2.59E-08	4.00E-09	3.56E-09	5.90E-08
5567	475277	3849095.47	1.94E-04	2.00E-04	1.85E-04	6.73E-08	2.03E-07	1.18E-07	1.18E-07	1.10E-07	5.00E-08	4.63E-08	0.00E+00	0.00E+00	2.16E-08	3.99E-09	2.60E-08	4.01E-09	3.58E-09	5.92E-08
5568	475183.93	3849025.66	1.91E-04	1.96E-04	1.82E-04	6.62E-08	2.00E-07	1.16E-07	1.16E-07	1.08E-07	4.92E-08	4.55E-08	0.00E+00	0.00E+00	2.13E-08	3.93E-09	2.56E-08	3.95E-09	3.53E-09	5.83E-08
5569	474453.23	3848378.77	1.70E-04	1.74E-04	1.62E-04	5.87E-08	1.77E-07	1.03E-07	1.03E-07	9.55E-08	4.36E-08	4.05E-08	0.00E+00	0.00E+00	1.89E-08	3.48E-09	2.27E-08	3.50E-09	3.13E-09	5.17E-08
5570	474569.63	3848399.34	1.67E-04	1.72E-04	1.60E-04	5.80E-08	1.75E-07	1.01E-07	1.01E-07	9.43E-08	4.30E-08	3.99E-08	0.00E+00	0.00E+00	1.86E-08	3.44E-09	2.24E-08	3.46E-09	3.09E-09	5.10E-08
5571	474644.33	3848464.52	1.70E-04	1.75E-04	1.62E-04	5.89E-08	1.78E-07	1.03E-07	1.03E-07	9.59E-08	4.37E-08	4.06E-08	0.00E+00	0.00E+00	1.89E-08	3.49E-09	2.28E-08	3.51E-09	3.14E-09	5.19E-08
5572	474719.04	3848529.7	1.72E-04	1.77E-04	1.64E-04	5.96E-08	1.80E-07	1.04E-07	1.04E-07	9.70E-08	4.43E-08	4.11E-08	0.00E+00	0.00E+00	1.92E-08	3.54E-09	2.30E-08	3.55E-09	3.18E-09	5.25E-08
5573	474793.74	3848594.88	1.73E-04	1.78E-04	1.65E-04	5.98E-08	1.81E-07	1.05E-07	1.05E-07	9.74E-08	4.45E-08	4.12E-08	0.00E+00	0.00E+00	1.92E-08	3.55E-09	2.31E-08	3.57E-09	3.19E-09	5.27E-08
5574	474868.45	3848660.07	1.72E-04	1.77E-04	1.64E-04	5.95E-08	1.80E-07	1.04E-07	1.04E-07	9.69E-08	4.42E-08	4.09E-08	0.00E+00	0.00E+00	1.91E-08	3.53E-09	2.30E-08	3.55E-09	3.17E-09	5.24E-08
5575	474943.15	3848725.25	1.73E-04	1.78E-04	1.64E-04	5.98E-08	1.81E-07	1.05E-07	1.05E-07	9.74E-08	4.44E-08	4.11E-08	0.00E+00	0.00E+00	1.92E-08	3.55E-09	2.31E-08	3.57E-09	3.18E-09	5.27E-08
5576	475017.86	3848790.43	1.76E-04	1.81E-04	1.67E-04	6.10E-08	1.84E-07	1.07E-07	1.07E-07	9.93E-08	4.53E-08	4.19E-08	0.00E+00	0.00E+00	1.96E-08	3.62E-09	2.36E-08	3.64E-09	3.24E-09	5.37E-08
5577	475092.56	3848855.61	1.80E-04	1.85E-04	1.71E-04	6.24E-08	1.88E-07	1.09E-07	1.09E-07	1.02E-07	4.63E-08	4.29E-08	0.00E+00	0.00E+00	2.01E-08	3.70E-09	2.41E-08	3.72E-09	3.32E-09	5.49E-08
5578	475232.58	3848959.38	1.85E-04	1.91E-04	1.76E-04	6.42E-08	1.94E-07	1.12E-07	1.12E-07	1.05E-07	4.77E-08	4.41E-08	0.00E+00	0.00E+00	2.06E-08	3.81E-09	2.48E-08	3.83E-09	3.42E-09	5.65E-08
5579	475368.47	3849029.98	1.87E-04	1.92E-04	1.78E-04	6.47E-08	1.95E-07	1.13E-07	1.13E-07	1.05E-07	4.81E-08	4.45E-08	0.00E+00	0.00E+00	2.08E-08	3.84E-09	2.50E-08	3.86E-09	3.44E-09	5.70E-08
5580	475609.57	3849096.09	1.88E-04	1.93E-04	1.79E-04	6.50E-08	1.96E-07	1.14E-07	1.14E-07	1.06E-07	4.83E-08	4.47E-08	0.00E+00	0.00E+00	2.09E-08	3.86E-09	2.52E-08	3.88E-09	3.46E-09	5.73E-08
5581	475680.68	3849116.62	1.95E-04	2.00E-04	1.85E-04	6.73E-08	2.03E-07	1.18E-07	1.18E-07	1.10E-07	5.00E-08	4.64E-08	0.00E+00	0.00E+00	2.17E-08	3.99E-09	2.60E-08	4.02E-09	3.59E-09	5.93E-08
5582	475843.76	3849151.52	2.04E-04	2.10E-04	1.95E-04	7.07E-08	2.13E-07	1.24E-07	1.24E-07	1.15E-07	5.24E-08	4.88E-08	0.00E+00	0.00E+00	2.27E-08	4.19E-09	2.73E-08	4.21E-09	3.78E-09	6.22E-08
5583	475935.73	3849165.89	2.14E-04	2.19E-04	2.05E-04	7.39E-08	2.23E-07	1.29E-07	1.29E-07	1.20E-07	5.48E-08	5.13E-08	0.00E+00	0.00E+00	2.38E-08	4.39E-09	2.86E-08	4.40E-09	3.97E-09	6.51E-08
5584	476027.71	3849180.27	2.22E-04	2.28E-04	2.14E-04	7.69E-08	2.32E-07	1.34E-07	1.34E-07	1.25E-07	5.70E-08	5.35E-08	0.00E+00	0.00E+00	2.47E-08	4.57E-09	2.97E-08	4.58E-09	4.14E-09	6.77E-08
5585	476119.68	3849194.64	2.21E-04	2.27E-04	2.13E-04	7.66E-08	2.31E-07	1.34E-07	1.34E-07	1.24E-07	5.68E-08	5.33E-08	0.00E+00	0.00E+00	2.46E-08	4.55E-09	2.96E-08	4.56E-09	4.13E-09	6.74E-08
5586	476211.65	3849209.01	2.25E-04	2.31E-04	2.17E-04	7.79E-08	2.35E-07	1.36E-07	1.36E-07	1.27E-07	5.77E-08	5.43E-08	0.00E+00	0.00E+00	2.51E-08	4.62E-09	3.01E-08	4.64E-09	4.20E-09	6.86E-08
5587	476497.81	3849283.9	2.44E-04	2.49E-04	2.36E-04	8.44E-08	2.55E-07	1.48E-07	1.48E-07	1.37E-07	6.24E-08	5.91E-08	0.00E+00	0.00E+00	2.71E-08	5.01E-09	3.25E-08	5.01E-09	4.58E-09	7.43E-08
5588	476603.73	3849323.77	2.53E-04	2.59E-04	2.46E-04	8.77E-08	2.65E-07	1.53E-07	1.53E-07	1.42E-07	6.48E-08	6.16E-08	0.00E+00	0.00E+00	2.82E-08	5.20E-09	3.38E-08	5.21E-09	4.77E-09	7.71E-08
5589	476728.99	3849382.76	2.63E-04	2.69E-04	2.56E-04	9.12E-08	2.75E-07	1.59E-07	1.59E-07	1.48E-07	6.74E-08	6.42E-08	0.00E+00	0.00E+00	2.93E-08	5.41E-09	3.51E-08	5.41E-09	4.97E-09	8.02E-08
5590	476801.27	3849418.65	2.70E-04	2.76E-04	2.63E-04	9.34E-08	2.82E-07	1.63E-07	1.63E-07	1.51E-07	6.90E-08	6.58E-08	0.00E+00	0.00E+00	3.00E-08	5.54E-09	3.59E-08	5.54E-09	5.10E-09	8.22E-08
5591	476956.2	3849495.05	2.84E-04	2.90E-04	2.78E-04	9.83E-08	2.97E-07	1.72E-07	1.72E-07	1.59E-07	7.26E-08	6.95E-08	0.00E+00	0.00E+00	3.16E-08	5.83E-09	3.78E-08	5.83E-09	5.38E-09	8.64E-08
5592	477038.84	3849535.56	2.88E-04	2.94E-04	2.82E-04	9.98E-08	3.01E-07	1.74E-07	1.74E-07	1.61E-07	7.36E-08	7.05E-08	0.00E+00	0.00E+00	3.21E-08	5.92E-09	3.83E-08	5.91E-09	5.46E-09	8.77E-08
5593	477121.49	3849576.08	2.95E-04	3.01E-04	2.89E-04	1.02E-07	3.09E-07	1.79E-07	1.79E-07	1.65E-07	7.54E-08	7.23E-08	0.00E+00	0.00E+00	3.29E-08	6.06E-09	3.93E-08	6.06E-09	5.60E-09	8.99E-08
5594	477204.13	3849616.6	2.99E-04	3.05E-04	2.93E-04	1.04E-07	3.13E-07	1.81E-07	1.81E-07	1.67E-07	7.64E-08	7.33E-08	0.00E+00	0.00E+00	3.33E-08	6.15E-09	3.98E-08	6.14E-09	5.68E-09	9.11E-08
5595	477286.78	3849657.12	2.96E-04	3.02E-04	2.89E-04	1.02E-07	3.09E-07	1.79E-07	1.79E-07	1.66E-07	7.55E-08	7.24E-08	0.00E+00	0.00E+00	3.29E-08	6.07E-09	3.93E-08	6.06E-09	5.60E-09	9.00E-08
5596	477369.42	3849697.63	3.12E-04	3.18E-04	3.06E-04	1.08E-07	3.26E-07	1.89E-07	1.89E-07	1.74E-07	7.96E-08	7.66E-08	0.00E+00	0.00E+00	3.47E-08	6.40E-09	4.14E-08	6.39E-09	5.93E-09	9.49E-08
5597	477452.07	3849738.15	3.16E-04	3.23E-04	3.11E-04	1.10E-07	3.31E-07	1.91E-07	1.91E-07	1.77E-07	8.08E-08	7.77E-08	0.00E+00	0.00E+00	3.52E-08	6.50E-09	4.21E-08	6.48E-09	6.02E-09	9.63E-08
5598	477534.71	3849778.67	3.29E-04	3.35E-04	3.24E-04	1.14E-07	3.44E-07	1.99E-07	1.99E-07	1.84E-07	8.39E-08	8.10E-08	0.00E+00	0.00E+00	3.66E-08	6.75E-09	4.37E-08	6.74E-09	6.27E-09	1.00E-07
5599	477617.36	3849819.18	3.33E-04	3.40E-04	3.28E-04	1.15E-07	3.48E-07	2.02E-07	2.02E-07	1.86E-07	8.50E-08	8.21E-08	0.00E+00	0.00E+00	3.71E-08	6.84E-09	4.43E-08	6.82E-09	6.35E-09	1.01E-07
5600	477824.74	3849896.37	3.47E-04	3.54E-04	3.42E-04	1.20E-07	3.63E-07	2.10E-07	2.10E-07	1.94E-07	8.85E-08	8.57E-08	0.00E+00	0.00E+00	3.86E-08	7.13E-09	4.61E-08	7.10E-09	6.63E-09	1.06E-07
5601	477906.31	3849936.37	3.40E-04	3.47E-04	3.35E-04	1.18E-07	3.56E-07	2.06E-07	2.06E-07	1.90E-07	8.68E-08	8.39E-08	0.00E+00	0.00E+00	3.79E-08	6.99E-09	4.52E-08	6.97E-09	6.50E-09	1.04E-07
5602	477987.89	3849976.36	3.48E-04	3.55E-04	3.43E-04	1.21E-07	3.64E-07	2.11E-07	2.11E-07	1.95E-07	8.88E-08	8.59E-08	0.00E+00	0.00E+00	3.88E-08	7.16E-09	4.63E-08	7.13E-09	6.66E-09	1.06E-07
5603	478069.47	3850016.36	3.44E-04	3.51E-04	3.39E-04	1.19E-07	3.60E-07	2.08E-07	2.08E-07	1.92E-07	8.78E-08	8.48E-08	0.00E+00	0.00E+00	3.83E-08	7.07E-09	4.57E-08	7.05E-09	6.57E-09	1.05E-07
5604	478151.04	3850056.35	3.40E-04	3.47E-04	3.35E-04	1.18E-07	3.56E-07	2.06E-07	2.06E-07	1.90E-07	8.68E-08	8.38E-08	0.00E+00	0.00E+00	3.79E-08	6.99E-09	4.52E-08	6.97E-09	6.49E-09	1.04E-07
5605	478232.62	3850096.35	3.44E-04	3.51E-04	3.38E-04	1.19E-07	3.59E-07	2.08E-07	2.08E-07	1.92E-07	8.77E-08	8.47E-08	0.00E+00	0.00E+00	3.83E-08	7.06E-09	4.57E-08	7.05E-09	6.56E-09	1.05E-07
5606	478314.2	3850136.34	3.48E-04	3.55E-04	3.43E-04	1.21E-07	3.64E-07	2.11E-07	2.11E-07	1.95E-07	8.88E-08	8.58E-08	0.00E+00	0.00E+00	3.88E-08	7.15E-09	4.63E-08	7.13E-09	6.64E-09	1.06E-07
5607	478395.77	3850176.34	3.53E-04	3.59E-04	3.47E-04	1.22E-07	3.69E-07	2.13E-07	2.13E-07	1.97E-07	9.00E-08	8.69E-08	0.00E+00	0.00E+00	3.93E-08	7.24E-09	4.68E-08	7.22E-09	6.73E-09	1.07E-07
5608	478575.43	3850244.45	3.60E-04	3.67E-04	3.55E-04	1.25E-07	3.76E-07	2.18E-07	2.18E-07	2.01E-07	9.19E-08	8.88E-08	0.00E+00	0.00E+00	4.01E-08	7.40E-09	4.78E-08	7.38E-09	6.87E-09	1.10E-07
5609	478665.06	3850287.29	3.65E-04	3.72E-04	3.59E-04	1.26E-07	3.81E-07	2.21E-07	2.21E-07	2.04E-07	9.30E-08	8.99E-08	0.00E+00	0.00E+00	4.06E-08	7.49E-09	4.84E-08	7.47E-09	6.96E-09	1.11E-07
5610	478754.69	3850330.14	3.70E-04	3.77E-04	3.64E-04	1.28E-07	3.87E-07	2.24E-07	2.24E-07	2.07E-07	9.43E-08	9.11E-08	0.00E+00	0.00E+00	4.12E-08	7.59E-09	4.91E-08	7.57E-09	7.06E-09	1.12E-07
5611	478844.32	3850372.99	3.76E-04	3.84E-04	3.71E-04	1.30E-07	3.93E-07	2.28E-07	2.28E-07	2.10E-07	9.60E-08	9.28E-08	0.00E+00	0.00E+00	4.19E-08	7.73E-09	5.00E-08	7.71E-09	7.18E-09	1.15E-07
5612	478933.95	3850415.84	3.85E-04	3.92E-04	3.79E-04	1.33E-07	4.02E-07	2.33E-07	2.33E-07	2.15E-07	9.82E-08	9.48E-08	0.00E+00	0.00E+00	4.29E-08	7.91E-09	5.11E-08	7.89E-09	7.34E-09	1.17E-07
5613	479023.58	3850458.68	3.85E-04	3.92E-04	3.78E-04	1.33E-07	4.02E-07	2.33E-07	2.33E-07	2.15E-07	9.81E-08	9.47E-08	0.00E+00	0.00E+00	4.28E-08	7.90E-09	5.11E-08	7.88E-09	7.33E-09	1.17E-07
5614	479110.66	3850441.91	3.86E-04	3.94E-04	3.79E-04	1.34E-07	4.04E-07	2.34E-07	2.34E-07	2.16E-07	9.85E-08	9.49E-08	0.00E+00	0.00E+00	4.30E-08	7.93E-09	5.13E-08	7.91E-09	7.34E-09	1.17E-07
5615	479191.22	3850423.99	3.83E-04	3.91E-04	3.75E-04	1.33E-07	4.01E-07	2.32E-07	2.32E-07	2.15E-07	9.79E-08	9.40E-08	0.00E+00	0.00E+00	4.27E-08	7.87E-09	5.10E-08	7.86E-09	7.28E-09	1.17E-07
5616	479274.32	3850465.71	3.86E-04	3.94E-04	3.78E-04	1.34E-07	4.04E-07	2.34E-07	2.34E-07	2.16E-07	9.87E-08	9.45E-08	0.00E+00	0.00E+00	4.30E-08	7.93E-09	5.14E-08	7.92E-09	7.32E-09	1.18E-07
5617	479357.43	3850507.42	3.85E-04	3.93E-04	3.76E-04	1.33E-07	4.02E-07	2.33E-07	2.33E-07	2.16E-07	9.84E-08	9.40E-08	0.00E+00	0.00E+00	4.29E-08	7.91E-09	5.12E-08	7.90E-09	7.28E-09	1.17E-07
5618	479440.53	3850549.14	3.81E-04	3.89E-04	3.72E-04	1.32E-07	3.98E-07	2.31E-07	2.31E-07	2.14E-07	9.74E-08	9.30E-08	0.00E+00	0.00E+00	4.24E-08	7.83E-09	5.07E-08	7.82E-09	7.20E-09	1.16E-07
5619	479523.64	3850590.85	3.80E-04	3.89E-04	3.70E-04	1.32E-07	3.98E-07	2.30E-07	2.30E-07	2.13E-07	9.73E-08	9.26E-08	0.00E+00	0.00E+00	4.24E-08	7.81E-09	5.07E-08	7.82E-09	7.17E-09	1.16E-07
5620	479606.74	3850632.57	3.83E-04	3.91E-04	3.72E-04	1.32E-07	4.00E-07	2.32E-07	2.32E-07	2.15E-07	9.80E-08	9.30E-08	0.00E+00	0.00E+00	4.26E-08	7.86E-09	5.10E-08	7.87E-09	7.20E-09	1.17E-07
5621	479777.37	3850707.61	3.85E-04	3.95E-04	3.72E-04	1.33E-07	4.03E-07	2.33E-07	2.33E-07	2.16E-07	9.88E-08	9.30E-08	0.00E+00	0.00E+00	4.29E-08	7.91E-09	5.14E-08	7.93E-09	7.20E-09	1.17E-07
5622	479864.9	3850740.95	3.90E-04	3.99E-04	3.75E-04	1.35E-07	4.07E-07	2.36E-07	2.36E-07	2.19E-07	1.00E-07	9.38E-08	0.00E+00	0.00E+00	4.34E-08	8.00E-09	5.21E-08	8.03E-09	7.26E-09	1.19E-07
5623	479931.87	3850829.57	4.01E-04	4.11E-04	3.87E-04	1.39E-07	4.20E-07	2.43E-07	2.43E-07	2.26E-07	1.03E-07	9.68E-08	0.00E+00	0.00E+00	4.47E-08	8.25E-09	5.36E-08	8.27E-09	7.50E-09	1.22E-07
5624	479995.55	3850926.75	4.21E-04	4.31E-04	4.07E-04	1.46E-07	4.40E-07	2.55E-07	2.55E-07	2.37E-07	1.08E-07	1.02E-07	0.00E+00	0.00E+00	4.69E-08	8.65E-09	5.62E-08	8.67E-09	7.89E-09	1.28E-07
5625	480079.78	3850968.64	4.30E-04	4.41E-04	4.15E-04	1.49E-07	4.50E-07	2.60E-07	2.60E-07	2.42E-07	1.10E-07	1.04E-07	0.00E+00	0.00E+00	4.79E-08	8.84E-09	5.75E-08	8.86E-09	8.05E-09	1.31E-07
5626	480164.01	3851010.54	4.39E-04	4.50E-04	4.23E-04	1.52E-07	4.58E-07	2.65E-07	2.65E-07	2.47E-07	1.13E-07	1.06E-07	0.00E+00	0.00E+00	4.88E-08	9.01E-09	5.86E-08	9.04E-09	8.19E-09	1.34E-07
5627	480248.23	3851052.43	4.47E-04	4.59E-04	4.30E-04	1.55E-07	4.68E-07	2.71E-07	2.71E-07	2.52E-07	1.15E-07	1.08E-07	0.00E+00	0.00E+00	4.98E-08	9.19E-09	5.98E-08	9.22E-09	8.34E-09	1.36E-07
5628	480332.46	3851094.33	4.54E-04	4.65E-04	4.35E-04	1.57E-07	4.74E-07	2.74E-07	2.74E-07	2.55E-07	1.16E-07	1.09E-07	0.00E+00	0.00E+00	5.05E-08	9.32E-09	6.07E-08	9.35E-09	8.44E-09	1.38E-07
5629	480416.69	3851136.22	4.57E-04	4.69E-04	4.37E-04	1.58E-07	4.78E-07	2.77E-07	2.77E-07	2.57E-07	1.17E-07	1.09E-07	0.00E+00	0.00E+00	5.09E-08	9.39E-09	6.12E-08	9.43E-09	8.48E-09	1.39E-07
5630	480579.95	3851215.17	4.68E-04	4.81E-04	4.46E-04	1.62E-07	4.89E-07	2.83E-07	2.83E-07	2.64E-07	1.20E-07	1.12E-07	0.00E+00	0.00E+00	5.21E-08	9.61E-09	6.27E-08	9.67E-09	8.63E-09	1.43E-07
5631	480658.98	3851252.22	4.75E-04	4.89E-04	4.52E-04	1.65E-07	4.97E-07	2.88E-07	2.88E-07	2.68E-07	1.22E-07	1.13E-07	0.00E+00	0.00E+00	5.29E-08	9.76E-09	6.38E-08	9.83E-09	8.75E-09	1.45E-07
5632	480817.36	3851327.85	4.90E-04	5.05E-04	4.63E-04	1.70E-07	5.12E-07	2.96E-07	2.96E-07	2.77E-07	1.26E-07	1.16E-07	0.00E+00	0.00E+00	5.45E-08	1.01E-08	6.58E-08	1.01E-08	8.98E-09	1.49E-07
5633	480896.72	3851366.43	4.96E-04	5.11E-04	4.68E-04	1.72E-07	5.18E-07	3.00E-07	3.00E-07	2.80E-07	1.28E-07	1.17E-07	0.00E+00	0.00E+00	5.52E-08	1.02E-08	6.66E-08	1.03E-08	9.06E-09	1.51E-07
5634	480976.07	3851405	5.01E-04	5.17E-04	4.72E-04	1.74E-07	5.24E-07	3.03E-07	3.03E-07	2.84E-07	1.29E-07	1.18E-07	0.00E+00	0.00E+00	5.58E-08	1.03E-08	6.74E-08	1.04E-08	9.15E-09	1.53E-07
5635	481178	3851487.31	5.09E-04	5.26E-04	4.76E-04	1.76E-07	5.32E-07	3.08E-07	3.08E-07	2.88E-07	1.32E-07	1.19E-07	0.00E+00	0.00E+00	5.66E-08	1.04E-08	6.85E-08	1.06E-08	9.22E-09	1.55E-07
5636	481244.9	3851557.17	5.19E-04	5.36E-04	4.84E-04	1.80E-07	5.42E-07	3.14E-07	3.14E-07	2.94E-07	1.34E-07	1.21E-07	0.00E+00	0.00E+00	5.77E-08	1.06E-08	6.98E-08	1.08E-08	9.39E-09	1.58E-07
5637	481311.81	3851627.03	5.27E-04	5.45E-04	4.92E-04	1.83E-07	5.51E-07	3.19E-07	3.19E-07	2.99E-07	1.36E-07	1.23E-07	0.00E+00	0.00E+00	5.87E-08	1.08E-08	7.10E-08	1.10E-08	9.54E-09	1.61E-07
5638	481378.71	3851696.89	5.35E-04	5.54E-04	4.99E-04	1.85E-07	5.60E-07	3.24E-07	3.24E-07	3.04E-07	1.39E-07	1.25E-07	0.00E+00	0.00E+00	5.96E-08	1.10E-08	7.21E-08	1.11E-08	9.67E-09	1.64E-07
5639	481445.61	3851766.76	5.44E-04	5.63E-04	5.07E-04	1.88E-07	5.69E-07	3.29E-07	3.29E-07	3.09E-07	1.41E-07	1.27E-07	0.00E+00	0.00E+00	6.06E-08	1.12E-08	7.34E-08	1.13E-08	9.83E-09	1.66E-07
5640	481512.51	3851836.62	5.52E-04	5.71E-04	5.14E-04	1.91E-07	5.77E-07	3.34E-07	3.34E-07	3.13E-07	1.43E-07	1.29E-07	0.00E+00	0.00E+00	6.15E-08	1.13E-08	7.45E-08	1.15E-08	9.95E-09	1.69E-07
5641	481579.42	3851906.48	5.61E-04	5.80E-04	5.21E-04	1.94E-07	5.86E-07	3.39E-07	3.39E-07	3.18E-07	1.45E-07	1.30E-07	0.00E+00	0.00E+00	6.24E-08	1.15E-08	7.56E-08	1.17E-08	1.01E-08	1.71E-07
5642	481646.32	3851976.34	5.71E-04	5.91E-04	5.29E-04	1.97E-07	5.96E-07	3.45E-07	3.45E-07	3.24E-07	1.48E-07	1.32E-07	0.00E+00	0.00E+00	6.35E-08	1.17E-08	7.70E-08	1.19E-08	1.03E-08	1.74E-07
5643	481713.22	3852046.2	5.77E-04	5.97E-04	5.34E-04	2.00E-07	6.03E-07	3.49E-07	3.49E-07	3.28E-07	1.50E-07	1.34E-07	0.00E+00	0.00E+00	6.42E-08	1.18E-08	7.79E-08	1.20E-08	1.03E-08	1.76E-07
5644	481780.12	3852116.06	5.90E-04	6.11E-04	5.45E-04	2.04E-07	6.16E-07	3.57E-07	3.57E-07	3.35E-07	1.53E-07	1.36E-07	0.00E+00	0.00E+00	6.56E-08	1.21E-08	7.96E-08	1.23E-08	1.06E-08	1.80E-07
5645	481847.03	3852185.92	6.07E-04	6.28E-04	5.61E-04	2.10E-07	6.34E-07	3.67E-07	3.67E-07	3.45E-07	1.57E-07	1.40E-07	0.00E+00	0.00E+00	6.75E-08	1.25E-08	8.19E-08	1.26E-08	1.09E-08	1.85E-07
5646	481913.93	3852255.78	6.25E-04	6.48E-04	5.79E-04	2.16E-07	6.53E-07	3.78E-07	3.78E-07	3.55E-07	1.62E-07	1.45E-07	0.00E+00	0.00E+00	6.96E-08	1.28E-08	8.44E-08	1.30E-08	1.12E-08	1.91E-07
5647	481980.83	3852325.65	6.46E-04	6.69E-04	5.99E-04	2.24E-07	6.76E-07	3.91E-07	3.91E-07	3.67E-07	1.68E-07	1.50E-07	0.00E+00	0.00E+00	7.19E-08	1.33E-08	8.72E-08	1.35E-08	1.16E-08	1.97E-07
5648	482047.73	3852395.51	6.64E-04	6.88E-04	6.15E-04	2.30E-07	6.94E-07	4.02E-07	4.02E-07	3.77E-07	1.72E-07	1.54E-07	0.00E+00	0.00E+00	7.39E-08	1.36E-08	8.96E-08	1.38E-08	1.19E-08	2.03E-07
5649	482114.64	3852465.37	6.86E-04	7.10E-04	6.36E-04	2.37E-07	7.17E-07	4.15E-07	4.15E-07	3.89E-07	1.78E-07	1.59E-07	0.00E+00	0.00E+00	7.63E-08	1.41E-08	9.25E-08	1.43E-08	1.23E-08	2.10E-07
5650	482181.54	3852535.23	7.03E-04	7.28E-04	6.51E-04	2.43E-07	7.35E-07	4.25E-07	4.25E-07	3.99E-07	1.82E-07	1.63E-07	0.00E+00	0.00E+00	7.82E-08	1.44E-08	9.49E-08	1.46E-08	1.26E-08	2.15E-07
5651	482338.69	3852700.05	7.54E-04	7.80E-04	6.98E-04	2.61E-07	7.88E-07	4.56E-07	4.56E-07	4.28E-07	1.95E-07	1.75E-07	0.00E+00	0.00E+00	8.39E-08	1.55E-08	1.02E-07	1.57E-08	1.35E-08	2.30E-07
5652	482404.05	3852767.78	7.77E-04	8.05E-04	7.20E-04	2.69E-07	8.12E-07	4.70E-07	4.70E-07	4.41E-07	2.01E-07	1.80E-07	0.00E+00	0.00E+00	8.65E-08	1.60E-08	1.05E-07	1.62E-08	1.39E-08	2.37E-07
5653	482469.4	3852835.52	8.01E-04	8.30E-04	7.42E-04	2.77E-07	8.37E-07	4.85E-07	4.85E-07	4.55E-07	2.08E-07	1.86E-07	0.00E+00	0.00E+00	8.92E-08	1.65E-08	1.08E-07	1.67E-08	1.44E-08	2.45E-07
5654	482534.75	3852903.25	8.23E-04	8.53E-04	7.61E-04	2.85E-07	8.60E-07	4.98E-07	4.98E-07	4.68E-07	2.13E-07	1.91E-07	0.00E+00	0.00E+00	9.16E-08	1.69E-08	1.11E-07	1.71E-08	1.48E-08	2.52E-07
5655	482600.11	3852970.99	8.48E-04	8.78E-04	7.83E-04	2.93E-07	8.86E-07	5.13E-07	5.13E-07	4.82E-07	2.20E-07	1.96E-07	0.00E+00	0.00E+00	9.43E-08	1.74E-08	1.14E-07	1.76E-08	1.52E-08	2.59E-07
5656	482706.71	3853119.28	8.96E-04	9.29E-04	8.28E-04	3.10E-07	9.37E-07	5.42E-07	5.42E-07	5.10E-07	2.33E-07	2.07E-07	0.00E+00	0.00E+00	9.98E-08	1.84E-08	1.21E-07	1.87E-08	1.60E-08	2.74E-07
5657	482747.96	3853199.84	9.28E-04	9.62E-04	8.59E-04	3.21E-07	9.70E-07	5.62E-07	5.62E-07	5.27E-07	2.41E-07	2.15E-07	0.00E+00	0.00E+00	1.03E-07	1.91E-08	1.25E-07	1.93E-08	1.66E-08	2.84E-07
5658	482789.21	3853280.4	9.63E-04	9.97E-04	8.94E-04	3.33E-07	1.01E-06	5.83E-07	5.83E-07	5.47E-07	2.50E-07	2.24E-07	0.00E+00	0.00E+00	1.07E-07	1.98E-08	1.30E-07	2.00E-08	1.73E-08	2.94E-07
5659	482830.46	3853360.96	9.96E-04	1.03E-03	9.26E-04	3.45E-07	1.04E-06	6.03E-07	6.03E-07	5.65E-07	2.58E-07	2.32E-07	0.00E+00	0.00E+00	1.11E-07	2.05E-08	1.34E-07	2.07E-08	1.80E-08	3.04E-07
5660	482871.71	3853441.52	1.03E-03	1.07E-03	9.60E-04	3.57E-07	1.08E-06	6.23E-07	6.23E-07	5.84E-07	2.67E-07	2.40E-07	0.00E+00	0.00E+00	1.15E-07	2.12E-08	1.39E-07	2.14E-08	1.86E-08	3.15E-07
5661	482912.95	3853522.07	1.06E-03	1.09E-03	9.85E-04	3.66E-07	1.10E-06	6.39E-07	6.39E-07	5.99E-07	2.73E-07	2.47E-07	0.00E+00	0.00E+00	1.18E-07	2.17E-08	1.42E-07	2.20E-08	1.91E-08	3.23E-07
5662	482954.2	3853602.63	1.08E-03	1.12E-03	1.01E-03	3.75E-07	1.13E-06	6.56E-07	6.56E-07	6.15E-07	2.81E-07	2.53E-07	0.00E+00	0.00E+00	1.21E-07	2.23E-08	1.46E-07	2.25E-08	1.96E-08	3.31E-07
5663	482995.45	3853683.19	1.11E-03	1.15E-03	1.03E-03	3.84E-07	1.16E-06	6.71E-07	6.71E-07	6.29E-07	2.87E-07	2.58E-07	0.00E+00	0.00E+00	1.23E-07	2.28E-08	1.50E-07	2.31E-08	2.00E-08	3.39E-07

5664	483036.7	3853763.75	1.13E-03	1.17E-03	1.05E-03	3.93E-07	1.19E-06	6.87E-07	6.87E-07	6.44E-07	2.94E-07	2.64E-07	0.00E+00	0.00E+00	1.26E-07	2.33E-08	1.53E-07	2.36E-08	2.04E-08	3.47E-07
5665	483214.2	3853909.91	1.12E-03	1.16E-03	1.01E-03	3.87E-07	1.17E-06	6.76E-07	6.76E-07	6.38E-07	2.91E-07	2.53E-07	0.00E+00	0.00E+00	1.24E-07	2.30E-08	1.52E-07	2.34E-08	1.96E-08	3.42E-07
5666	483307.01	3853910.44	1.14E-03	1.19E-03	1.02E-03	3.93E-07	1.19E-06	6.87E-07	6.87E-07	6.50E-07	2.97E-07	2.54E-07	0.00E+00	0.00E+00	1.26E-07	2.33E-08	1.55E-07	2.38E-08	1.97E-08	3.48E-07
5667	483399.83	3853910.96	1.14E-03	1.20E-03	1.01E-03	3.95E-07	1.19E-06	6.91E-07	6.91E-07	6.56E-07	3.00E-07	2.52E-07	0.00E+00	0.00E+00	1.27E-07	2.35E-08	1.56E-07	2.41E-08	1.95E-08	3.50E-07
5668	483494.52	3854009.24	1.21E-03	1.27E-03	1.06E-03	4.19E-07	1.27E-06	7.33E-07	7.33E-07	6.97E-07	3.18E-07	2.66E-07	0.00E+00	0.00E+00	1.35E-07	2.49E-08	1.66E-07	2.55E-08	2.06E-08	3.72E-07
5669	483496.41	3854106.98	1.28E-03	1.34E-03	1.13E-03	4.42E-07	1.33E-06	7.72E-07	7.72E-07	7.33E-07	3.35E-07	2.83E-07	0.00E+00	0.00E+00	1.42E-07	2.62E-08	1.74E-07	2.69E-08	2.19E-08	3.91E-07
5670	483577.56	3854261.96	1.34E-03	1.41E-03	1.17E-03	4.64E-07	1.40E-06	8.10E-07	8.10E-07	7.71E-07	3.52E-07	2.93E-07	0.00E+00	0.00E+00	1.49E-07	2.75E-08	1.83E-07	2.83E-08	2.27E-08	4.11E-07
5671	483656.83	3854319.19	1.36E-03	1.43E-03	1.18E-03	4.71E-07	1.42E-06	8.23E-07	8.23E-07	7.85E-07	3.58E-07	2.95E-07	0.00E+00	0.00E+00	1.51E-07	2.79E-08	1.87E-07	2.88E-08	2.28E-08	4.18E-07
5672	483736.1	3854376.41	1.40E-03	1.48E-03	1.20E-03	4.86E-07	1.47E-06	8.49E-07	8.49E-07	8.11E-07	3.70E-07	3.01E-07	0.00E+00	0.00E+00	1.56E-07	2.88E-08	1.93E-07	2.97E-08	2.33E-08	4.31E-07
5673	483815.37	3854433.64	1.47E-03	1.55E-03	1.26E-03	5.10E-07	1.54E-06	8.91E-07	8.91E-07	8.52E-07	3.89E-07	3.15E-07	0.00E+00	0.00E+00	1.64E-07	3.02E-08	2.03E-07	3.12E-08	2.44E-08	4.52E-07
5674	483894.63	3854490.87	1.56E-03	1.65E-03	1.34E-03	5.40E-07	1.63E-06	9.45E-07	9.45E-07	9.03E-07	4.12E-07	3.35E-07	0.00E+00	0.00E+00	1.74E-07	3.21E-08	2.15E-07	3.31E-08	2.59E-08	4.79E-07
5675	483973.9	3854548.1	1.67E-03	1.76E-03	1.44E-03	5.78E-07	1.75E-06	1.01E-06	1.01E-06	9.65E-07	4.40E-07	3.61E-07	0.00E+00	0.00E+00	1.86E-07	3.43E-08	2.29E-07	3.53E-08	2.79E-08	5.13E-07
5676	484053.17	3854605.32	1.82E-03	1.92E-03	1.59E-03	6.32E-07	1.91E-06	1.10E-06	1.10E-06	1.05E-06	4.80E-07	3.97E-07	0.00E+00	0.00E+00	2.03E-07	3.75E-08	2.50E-07	3.85E-08	3.08E-08	5.60E-07
5677	484214.97	3854698.15	2.15E-03	2.25E-03	1.88E-03	7.43E-07	2.24E-06	1.30E-06	1.30E-06	1.24E-06	5.64E-07	4.70E-07	0.00E+00	0.00E+00	2.39E-07	4.41E-08	2.94E-07	4.53E-08	3.64E-08	6.59E-07
5678	484297.5	3854733.74	2.37E-03	2.49E-03	2.07E-03	8.21E-07	2.48E-06	1.44E-06	1.44E-06	1.37E-06	6.24E-07	5.17E-07	0.00E+00	0.00E+00	2.64E-07	4.87E-08	3.25E-07	5.01E-08	4.01E-08	7.28E-07
5679	484380.03	3854769.34	2.53E-03	2.66E-03	2.20E-03	8.75E-07	2.64E-06	1.53E-06	1.53E-06	1.46E-06	6.65E-07	5.50E-07	0.00E+00	0.00E+00	2.81E-07	5.19E-08	3.46E-07	5.34E-08	4.26E-08	7.75E-07
5680	484462.56	3854804.94	2.77E-03	2.92E-03	2.40E-03	9.59E-07	2.90E-06	1.68E-06	1.68E-06	1.60E-06	7.30E-07	6.00E-07	0.00E+00	0.00E+00	3.09E-07	5.69E-08	3.80E-07	5.86E-08	4.65E-08	8.51E-07
5681	484545.09	3854840.53	2.92E-03	3.07E-03	2.52E-03	1.01E-06	3.05E-06	1.77E-06	1.77E-06	1.69E-06	7.69E-07	6.30E-07	0.00E+00	0.00E+00	3.25E-07	5.99E-08	4.01E-07	6.18E-08	4.88E-08	8.96E-07
5682	484691.88	3854912.59	3.49E-03	3.70E-03	2.95E-03	1.21E-06	3.65E-06	2.11E-06	2.11E-06	2.03E-06	9.26E-07	7.39E-07	0.00E+00	0.00E+00	3.89E-07	7.18E-08	4.82E-07	7.43E-08	5.72E-08	1.07E-06
5683	484830.81	3855012.51	5.29E-03	5.72E-03	4.04E-03	1.83E-06	5.52E-06	3.20E-06	3.20E-06	3.14E-06	1.43E-06	1.01E-06	0.00E+00	0.00E+00	5.88E-07	1.09E-07	7.45E-07	1.15E-07	7.82E-08	1.64E-06
5684	484905.48	3855075.97	9.72E-03	1.08E-02	6.42E-03	3.36E-06	1.02E-05	5.88E-06	5.88E-06	5.92E-06	2.70E-06	1.61E-06	0.00E+00	0.00E+00	1.08E-06	2.00E-07	1.41E-06	2.17E-07	1.24E-07	3.03E-06
5685	484980.14	3855139.44	1.39E-02	1.56E-02	8.67E-03	4.83E-06	1.46E-05	8.43E-06	8.43E-06	8.58E-06	3.91E-06	2.17E-06	0.00E+00	0.00E+00	1.55E-06	2.86E-07	2.04E-06	3.14E-07	1.68E-07	4.36E-06
5686	485054.81	3855202.91	1.67E-02	1.88E-02	1.02E-02	5.78E-06	1.75E-05	1.01E-05	1.01E-05	1.03E-05	4.70E-06	2.54E-06	0.00E+00	0.00E+00	1.86E-06	3.43E-07	2.45E-06	3.78E-07	1.97E-07	5.23E-06
5687	485129.48	3855266.37	1.76E-02	1.98E-02	1.06E-02	6.08E-06	1.84E-05	1.06E-05	1.06E-05	1.09E-05	4.95E-06	2.66E-06	0.00E+00	0.00E+00	1.96E-06	3.61E-07	2.58E-06	3.98E-07	2.06E-07	5.50E-06
5688	485204.15	3855329.84	2.00E-02	2.25E-02	1.20E-02	6.92E-06	2.09E-05	1.21E-05	1.21E-05	1.24E-05	5.64E-06	3.00E-06	0.00E+00	0.00E+00	2.22E-06	4.10E-07	2.94E-06	4.53E-07	2.33E-07	6.26E-06
5689	485278.82	3855393.31	2.10E-02	2.37E-02	1.26E-02	7.26E-06	2.19E-05	1.27E-05	1.27E-05	1.30E-05	5.92E-06	3.16E-06	0.00E+00	0.00E+00	2.34E-06	4.31E-07	3.08E-06	4.75E-07	2.44E-07	6.57E-06
5690	485353.48	3855456.77	2.24E-02	2.53E-02	1.35E-02	7.76E-06	2.34E-05	1.36E-05	1.36E-05	1.39E-05	6.33E-06	3.37E-06	0.00E+00	0.00E+00	2.50E-06	4.60E-07	3.29E-06	5.08E-07	2.61E-07	7.02E-06
5691	485428.15	3855520.24	2.30E-02	2.60E-02	1.39E-02	7.97E-06	2.41E-05	1.39E-05	1.39E-05	1.42E-05	6.50E-06	3.48E-06	0.00E+00	0.00E+00	2.56E-06	4.73E-07	3.38E-06	5.22E-07	2.69E-07	7.21E-06
5692	485502.82	3855583.71	2.37E-02	2.67E-02	1.44E-02	8.21E-06	2.48E-05	1.44E-05	1.44E-05	1.47E-05	6.69E-06	3.59E-06	0.00E+00	0.00E+00	2.64E-06	4.87E-07	3.48E-06	5.37E-07	2.78E-07	7.42E-06
5693	485577.49	3855647.17	2.53E-02	2.85E-02	1.53E-02	8.76E-06	2.64E-05	1.53E-05	1.53E-05	1.56E-05	7.13E-06	3.84E-06	0.00E+00	0.00E+00	2.82E-06	5.20E-07	3.71E-06	5.72E-07	2.97E-07	7.92E-06
5694	485652.16	3855710.64	2.67E-02	3.01E-02	1.63E-02	9.26E-06	2.79E-05	1.62E-05	1.62E-05	1.65E-05	7.53E-06	4.07E-06	0.00E+00	0.00E+00	2.98E-06	5.49E-07	3.92E-06	6.05E-07	3.15E-07	8.37E-06
5695	485726.83	3855774.11	2.76E-02	3.11E-02	1.69E-02	9.57E-06	2.89E-05	1.67E-05	1.67E-05	1.71E-05	7.78E-06	4.22E-06	0.00E+00	0.00E+00	3.08E-06	5.68E-07	4.05E-06	6.25E-07	3.27E-07	8.65E-06
5696	485801.49	3855837.57	2.73E-02	3.07E-02	1.68E-02	9.47E-06	2.86E-05	1.65E-05	1.65E-05	1.68E-05	7.69E-06	4.21E-06	0.00E+00	0.00E+00	3.04E-06	5.62E-07	4.00E-06	6.17E-07	3.26E-07	8.55E-06
5697	485876.16	3855901.04	2.81E-02	3.16E-02	1.74E-02	9.74E-06	2.94E-05	1.70E-05	1.70E-05	1.73E-05	7.91E-06	4.35E-06	0.00E+00	0.00E+00	3.13E-06	5.78E-07	4.12E-06	6.35E-07	3.37E-07	8.80E-06
5698	485950.83	3855964.5	2.79E-02	3.13E-02	1.74E-02	9.65E-06	2.91E-05	1.69E-05	1.69E-05	1.71E-05	7.82E-06	4.35E-06	0.00E+00	0.00E+00	3.10E-06	5.73E-07	4.07E-06	6.28E-07	3.37E-07	8.71E-06
5699	486025.5	3856027.97	2.75E-02	3.08E-02	1.72E-02	9.51E-06	2.87E-05	1.66E-05	1.66E-05	1.69E-05	7.70E-06	4.32E-06	0.00E+00	0.00E+00	3.06E-06	5.64E-07	4.01E-06	6.18E-07	3.34E-07	8.58E-06
5700	486100.17	3856091.44	2.92E-02	3.27E-02	1.84E-02	1.01E-05	3.05E-05	1.77E-05	1.77E-05	1.79E-05	8.18E-06	4.60E-06	0.00E+00	0.00E+00	3.25E-06	5.99E-07	4.26E-06	6.57E-07	3.56E-07	9.12E-06
5701	486174.83	3856154.9	2.83E-02	3.17E-02	1.80E-02	9.80E-06	2.96E-05	1.71E-05	1.71E-05	1.74E-05	7.92E-06	4.49E-06	0.00E+00	0.00E+00	3.15E-06	5.81E-07	4.13E-06	6.36E-07	3.48E-07	8.84E-06
5702	486249.5	3856218.37	2.62E-02	2.93E-02	1.68E-02	9.08E-06	2.74E-05	1.59E-05	1.59E-05	1.61E-05	7.32E-06	4.21E-06	0.00E+00	0.00E+00	2.92E-06	5.38E-07	3.81E-06	5.88E-07	3.26E-07	8.19E-06
5703	486324.17	3856281.84	2.45E-02	2.73E-02	1.59E-02	8.49E-06	2.56E-05	1.48E-05	1.48E-05	1.50E-05	6.84E-06	3.98E-06	0.00E+00	0.00E+00	2.73E-06	5.04E-07	3.56E-06	5.49E-07	3.09E-07	7.65E-06
5704	486398.84	3856345.3	2.52E-02	2.81E-02	1.64E-02	8.74E-06	2.64E-05	1.53E-05	1.53E-05	1.54E-05	7.03E-06	4.11E-06	0.00E+00	0.00E+00	2.81E-06	5.18E-07	3.66E-06	5.65E-07	3.18E-07	7.87E-06
5705	486473.51	3856408.77	2.53E-02	2.82E-02	1.65E-02	8.76E-06	2.65E-05	1.53E-05	1.53E-05	1.55E-05	7.05E-06	4.13E-06	0.00E+00	0.00E+00	2.82E-06	5.20E-07	3.67E-06	5.66E-07	3.20E-07	7.90E-06
5706	486548.17	3856472.24	2.61E-02	2.90E-02	1.70E-02	9.03E-06	2.73E-05	1.58E-05	1.58E-05	1.59E-05	7.27E-06	4.26E-06	0.00E+00	0.00E+00	2.90E-06	5.36E-07	3.78E-06	5.83E-07	3.30E-07	8.14E-06
5707	486622.84	3856535.7	2.69E-02	2.99E-02	1.76E-02	9.31E-06	2.81E-05	1.63E-05	1.63E-05	1.64E-05	7.49E-06	4.39E-06	0.00E+00	0.00E+00	2.99E-06	5.52E-07	3.90E-06	6.01E-07	3.40E-07	8.39E-06
5708	486765.48	3856659.69	2.89E-02	3.21E-02	1.88E-02	1.00E-05	3.02E-05	1.75E-05	1.75E-05	1.76E-05	8.05E-06	4.71E-06	0.00E+00	0.00E+00	3.21E-06	5.93E-07	4.19E-06	6.46E-07	3.65E-07	9.01E-06
5709	486833.44	3856720.2	2.97E-02	3.31E-02	1.94E-02	1.03E-05	3.11E-05	1.80E-05	1.80E-05	1.82E-05	8.29E-06	4.85E-06	0.00E+00	0.00E+00	3.31E-06	6.11E-07	4.32E-06	6.66E-07	3.75E-07	9.28E-06
5710	486901.41	3856780.72	3.03E-02	3.37E-02	1.98E-02	1.05E-05	3.17E-05	1.83E-05	1.83E-05	1.85E-05	8.44E-06	4.95E-06	0.00E+00	0.00E+00	3.37E-06	6.22E-07	4.40E-06	6.78E-07	3.83E-07	9.45E-06
5711	486969.38	3856841.24	3.06E-02	3.40E-02	2.00E-02	1.06E-05	3.20E-05	1.85E-05	1.85E-05	1.87E-05	8.52E-06	5.01E-06	0.00E+00	0.00E+00	3.40E-06	6.28E-07	4.43E-06	6.84E-07	3.88E-07	9.54E-06
5712	487037.34	3856901.75	3.06E-02	3.41E-02	2.01E-02	1.06E-05	3.20E-05	1.85E-05	1.85E-05	1.87E-05	8.53E-06	5.03E-06	0.00E+00	0.00E+00	3.41E-06	6.29E-07	4.44E-06	6.85E-07	3.90E-07	9.56E-06
5713	487271.23	3856855.51	2.05E-02	2.24E-02	1.47E-02	7.09E-06	2.14E-05	1.24E-05	1.24E-05	1.23E-05	5.61E-06	3.67E-06	0.00E+00	0.00E+00	2.28E-06	4.21E-07	2.92E-06	4.51E-07	2.84E-07	6.36E-06
5714	487368.96	3856857.29	1.87E-02	2.04E-02	1.37E-02	6.48E-06	1.96E-05	1.13E-05	1.13E-05	1.12E-05	5.11E-06	3.43E-06	0.00E+00	0.00E+00	2.08E-06	3.84E-07	2.66E-06	4.10E-07	2.65E-07	5.80E-06
5715	487466.68	3856859.06	1.73E-02	1.88E-02	1.29E-02	5.98E-06	1.80E-05	1.04E-05	1.04E-05	1.03E-05	4.69E-06	3.23E-06	0.00E+00	0.00E+00	1.92E-06	3.55E-07	2.44E-06	3.77E-07	2.50E-07	5.35E-06
5716	487636.44	3856930	1.54E-02	1.66E-02	1.20E-02	5.34E-06	1.61E-05	9.34E-06	9.34E-06	9.13E-06	4.17E-06	3.00E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.17E-06	3.35E-07	2.32E-07	4.77E-06
5717	487709.57	3856928.43	1.47E-02	1.58E-02	1.16E-02	5.09E-06	1.54E-05	8.90E-06	8.90E-06	8.67E-06	3.96E-06	2.89E-06	0.00E+00	0.00E+00	1.64E-06	3.02E-07	2.06E-06	3.18E-07	2.24E-07	4.54E-06
5718	487782.55	3856841.96	1.39E-02	1.49E-02	1.09E-02	4.80E-06	1.45E-05	8.39E-06	8.39E-06	8.18E-06	3.73E-06	2.73E-06	0.00E+00	0.00E+00	1.54E-06	2.85E-07	1.94E-06	3.00E-07	2.12E-07	4.28E-06
5719	487849.83	3856754.74	1.30E-02	1.40E-02	1.03E-02	4.51E-06	1.36E-05	7.88E-06	7.88E-06	7.68E-06	3.50E-06	2.58E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.82E-06	2.81E-07	2.00E-07	4.02E-06
5720	487918.03	3856819.39	1.29E-02	1.38E-02	1.03E-02	4.45E-06	1.34E-05	7.78E-06	7.78E-06	7.56E-06	3.45E-06	2.58E-06	0.00E+00	0.00E+00	1.43E-06	2.64E-07	1.80E-06	2.77E-07	2.00E-07	3.97E-06
5721	487918.8	3856886.37	1.30E-02	1.39E-02	1.05E-02	4.50E-06	1.36E-05	7.87E-06	7.87E-06	7.63E-06	3.48E-06	2.63E-06	0.00E+00	0.00E+00	1.45E-06	2.67E-07	1.81E-06	2.80E-07	2.04E-07	4.01E-06
5722	488065.47	3857127.51	1.18E-02	1.24E-02	1.01E-02	4.07E-06	1.23E-05	7.12E-06	7.12E-06	6.81E-06	3.11E-06	2.53E-06	0.00E+00	0.00E+00	1.31E-06	2.42E-07	1.62E-06	2.50E-07	1.96E-07	3.62E-06
5723	488192.19	3857385.84	1.10E-02	1.14E-02	1.02E-02	3.82E-06	1.15E-05	6.67E-06	6.67E-06	6.26E-06	2.86E-06	2.55E-06	0.00E+00	0.00E+00	1.23E-06	2.26E-07	1.49E-06	2.29E-07	1.98E-07	3.37E-06
5724	488191.22	3857473.87	1.11E-02	1.15E-02	1.05E-02	3.85E-06	1.16E-05	6.73E-06	6.73E-06	6.28E-06	2.87E-06	2.63E-06	0.00E+00	0.00E+00	1.24E-06	2.28E-07	1.49E-06	2.30E-07	2.04E-07	3.39E-06
5725	488190.24	3857561.91	1.14E-02	1.16E-02	1.09E-02	3.93E-06	1.19E-05	6.87E-06	6.87E-06	6.39E-06	2.91E-06	2.73E-06	0.00E+00	0.00E+00	1.26E-06	2.33E-07	1.52E-06	2.34E-07	2.12E-07	3.46E-06
5726	488158.35	3857691.13	1.20E-02	1.23E-02	1.18E-02	4.17E-06	1.26E-05	7.29E-06	7.29E-06	6.73E-06	3.07E-06	2.96E-06	0.00E+00	0.00E+00	1.34E-06	2.47E-07	1.60E-06	2.47E-07	2.29E-07	3.66E-06
5727	488208.37	3857816.66	1.44E-02	1.46E-02	1.44E-02	4.98E-06	1.50E-05	8.71E-06	8.71E-06	8.00E-06	3.65E-06	3.60E-06	0.00E+00	0.00E+00	1.60E-06	2.96E-07	1.90E-06	2.93E-07	2.78E-07	4.37E-06
5728	488271.97	3857874.6	2.44E-02	2.45E-02	2.44E-02	8.44E-06	2.55E-05	1.47E-05	1.47E-05	1.35E-05	6.14E-06	6.11E-06	0.00E+00	0.00E+00	2.71E-06	5.01E-07	3.20E-06	4.93E-07	4.73E-07	7.38E-06
5729	488463.56	3857942.31	3.17E-02	3.19E-02	3.18E-02	1.10E-05	3.32E-05	1.92E-05	1.92E-05	1.75E-05	7.98E-06	7.97E-06	0.00E+00	0.00E+00	3.53E-06	6.52E-07	4.16E-06	6.41E-07	6.17E-07	9.60E-06
5730	488554.83	3857940.83	2.70E-02	2.71E-02	2.71E-02	9.33E-06	2.82E-05	1.63E-05	1.63E-05	1.49E-05	6.79E-06	6.77E-06	0.00E+00	0.00E+00	3.00E-06	5.54E-07	3.53E-06	5.45E-07	5.24E-07	8.16E-06
5731	488646.1	3857939.36	2.35E-02	2.36E-02	2.35E-02	8.12E-06	2.45E-05	1.42E-05	1.42E-05	1.29E-05	5.91E-06	5.89E-06	0.00E+00	0.00E+00	2.61E-06	4.82E-07	3.08E-06	4.74E-07	4.56E-07	7.10E-06
5732	488737.37	3857937.88	2.09E-02	2.10E-02	2.09E-02	7.23E-06	2.18E-05	1.26E-05	1.26E-05	1.15E-05	5.26E-06	5.24E-06	0.00E+00	0.00E+00	2.32E-06	4.29E-07	2.74E-06	4.23E-07	4.06E-07	6.32E-06
5733	488733.59	3857960.57	2.08E-02	2.10E-02	2.09E-02	7.20E-06	2.17E-05	1.26E-05	1.26E-05	1.15E-05	5.24E-06	5.23E-06	0.00E+00	0.00E+00	2.31E-06	4.27E-07	2.73E-06	4.21E-07	4.05E-07	6.30E-06
5734	488638.09	3857961.57	2.35E-02	2.37E-02	2.36E-02	8.14E-06	2.46E-05	1.42E-05	1.42E-05	1.30E-05	5.92E-06	5.91E-06	0.00E+00	0.00E+00	2.62E-06	4.83E-07	3.09E-06	4.76E-07	4.58E-07	7.12E-06
5735	488542.6	3857962.56	2.74E-02	2.75E-02	2.75E-02	9.48E-06	2.86E-05	1.66E-05	1.66E-05	1.51E-05	6.89E-06	6.88E-06	0.00E+00	0.00E+00	3.05E-06	5.62E-07	3.59E-06	5.53E-07	5.33E-07	8.28E-06
5736	488447.1	3857963.56	3.29E-02	3.31E-02	3.31E-02	1.14E-05	3.44E-05	1.99E-05	1.99E-05	1.81E-05	8.28E-06	8.27E-06	0.00E+00	0.00E+00	3.67E-06	6.76E-07	4.31E-06	6.65E-07	6.41E-07	9.96E-06
5737	488254.28	3857890.36	2.61E-02	2.62E-02	2.61E-02	9.02E-06	2.72E-05	1.58E-05	1.58E-05	1.44E-05	6.56E-06	6.54E-06	0.00E+00	0.00E+00	2.90E-06	5.35E-07	3.42E-06	5.27E-07	5.06E-07	7.89E-06
5738	488191.69	3857833.06	1.46E-02	1.47E-02	1.46E-02	5.04E-06	1.52E-05	8.81E-06	8.81E-06	8.08E-06	3.69E-06	3.64E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	1.92E-06	2.96E-07	2.82E-07	4.42E-06
5739	488129.5	3857907.43	1.55E-02	1.56E-02	1.56E-02	5.35E-06	1.62E-05	9.35E-06	9.35E-06	8.57E-06	3.91E-06	3.89E-06	0.00E+00	0.00E+00	1.72E-06	3.17E-07	2.04E-06	3.14E-07	3.02E-07	4.69E-06
5740	488196.47	3857968.74	3.98E-02	3.99E-02	3.99E-02	1.38E-05	4.15E-05	2.41E-05	2.41E-05	2.19E-05	9.99E-06	9.99E-06	0.00E+00	0.00E+00	4.42E-06	8.16E-07	5.20E-06	8.02E-07	7.74E-07	1.20E-05
5741	488263.44	3858030.04	4.01E-02	4.02E-02	4.03E-02	1.39E-05	4.19E-05	2.43E-05	2.43E-05	2.21E-05	1.01E-05	1.01E-05	0.00E+00	0.00E+00	4.46E-06	8.23E-07	5.24E-06	8.09E-07	7.81E-07	1.21E-05
5742	488400.64	3858132.9	2.08E-02	2.09E-02	2.11E-02	7.20E-06	2.17E-05	1.26E-05	1.26E-05	1.15E-05	5.23E-06	5.28E-06	0.00E+00	0.00E+00	2.31E-06	4.27E-07	2.73E-06	4.20E-07	4.09E-07	6.30E-06
5743	488519.89	3858218.38	1.76E-02	1.77E-02	1.80E-02	6.08E-06	1.83E-05	1.06E-05	1.06E-05	9.69E-06	4.42E-06	4.49E-06	0.00E+00	0.00E+00	1.95E-06	3.61E-07	2.30E-06	3.55E-07	3.48E-07	5.32E-06
5744	488647.97	3858214.99	1.69E-02	1.70E-02	1.73E-02	5.85E-06	1.77E-05	1.02E-05	1.02E-05	9.33E-06	4.26E-06	4.32E-06	0.00E+00	0.00E+00	1.88E-06	3.47E-07	2.22E-06	3.42E-07	3.35E-07	5.12E-06
5745	488727.05	3858167.67	1.68E-02	1.69E-02	1.71E-02	5.82E-06	1.76E-05	1.02E-05	1.02E-05	9.29E-06	4.24E-06	4.28E-06	0.00E+00	0.00E+00	1.87E-06	3.45E-07	2.21E-06	3.40E-07	3.32E-07	5.10E-06
5746	488806.12	3858120.35	1.68E-02	1.69E-02	1.70E-02	5.81E-06	1.75E-05	1.02E-05	1.02E-05	9.27E-06	4.23E-06	4.26E-06	0.00E+00	0.00E+00	1.87E-06	3.45E-07	2.20E-06	3.40E-07	3.30E-07	5.09E-06
5747	488885.2	3858073.03	1.66E-02	1.68E-02	1.68E-02	5.76E-06	1.74E-05	1.01E-05	1.01E-05	9.20E-06	4.20E-06	4.21E-06	0.00E+00	0.00E+00	1.85E-06	3.42E-07	2.19E-06	3.37E-07	3.26E-07	5.04E-06
5748	489055.76	3857991.18	1.56E-02	1.57E-02	1.56E-02	5.39E-06	1.63E-05	9.43E-06	9.43E-06	8.63E-06	3.94E-06	3.92E-06	0.00E+00	0.00E+00	1.73E-06	3.20E-07	2.05E-06	3.16E-07	3.03E-07	4.72E-06
5749	489245.39	3857944.55	1.40E-02	1.41E-02	1.40E-02	4.84E-06	1.46E-05	8.46E-06	8.46E-06	7.75E-06	3.54E-06	3.50E-06	0.00E+00	0.00E+00	1.56E-06	2.87E-07	1.84E-06	2.84E-07	2.71E-07	4.24E-06
5750	489430.63	3857930.91	1.28E-02	1.29E-02	1.28E-02	4.43E-06	1.34E-05	7.74E-06	7.74E-06	7.10E-06	3.24E-06	3.19E-06	0.00E+00	0.00E+00	1.42E-06	2.63E-07	1.69E-06	2.60E-07	2.47E-07	3.88E-06
5751	489517.74	3857929.36	1.23E-02	1.25E-02	1.23E-02	4.27E-06	1.29E-05	7.46E-06	7.46E-06	6.85E-06	3.12E-06	3.08E-06	0.00E+00	0.00E+00	1.37E-06	2.53E-07	1.63E-06	2.51E-07	2.38E-07	3.74E-06
5752	489604.86	3857927.82	1.19E-02	1.21E-02	1.19E-02	4.12E-06	1.24E-05	7.20E-06	7.20E-06	6.61E-06	3.02E-06	2.97E-06	0.00E+00	0.00E+00	1.33E-06	2.44E-07	1.57E-06	2.42E-07	2.30E-07	3.61E-06
5753	489691.97	3857926.28	1.15E-02	1.17E-02	1.15E-02	4.00E-06	1.21E-05	6.99E-06	6.99E-06	6.42E-06	2.93E-06	2.88E-06	0.00E+00	0.00E+00	1.29E-06	2.37E-07	1.52E-06	2.35E-07	2.23E-07	3.50E-06
5754	489779.08	3857924.73	1.12E-02	1.14E-02	1.12E-02	3.88E-06	1.17E-05	6.78E-06	6.78E-06	6.23E-06	2.84E-06	2.79E-06	0.00E+00	0.00E+00	1.25E-06	2.30E-07	1.48E-06	2.28E-07	2.16E-07	3.40E-06
5755	490017.55	3857875.09	1.03E-02	1.04E-02	1.02E-02	3.56E-06	1.08E-05	6.22E-06	6.22E-06	5.72E-06	2.61E-06	2.55E-06	0.00E+00	0.00E+00	1.15E-06	2.11E-07	1.36E-06	2.10E-07	1.98E-07	3.12E-06
5756	490033.82	3857960.81	1.05E-02	1.06E-02	1.04E-02	3.62E-06	1.09E-05	6.32E-06	6.32E-06	5.81E-06	2.65E-06	2.61E-06	0.00E+00	0.00E+00	1.16E-06	2.15E-07	1.38E-06	2.13E-07	2.02E-07	3.17E-06
5757	489959.15	3857987.49	1.08E-02	1.09E-02	1.08E-02	3.73E-06	1.13E-05	6.52E-06	6.52E-06	5.99E-06	2.73E-06	2.70E-06	0.00E+00	0.00E+00	1.20E-06	2.21E-07	1.42E-06	2.19E-07	2.09E-07	3.27E-06
5758	489791.49	3858016.12	1.13E-02	1.14E-02	1.13E-02	3.90E-06	1.18E-05	6.82E-06	6.82E-06	6.26E-06	2.86E-06	2.83E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.49E-06	2.29E-07	2.19E-07	3.42E-06
5759	489698.51	3858018.07	1.16E-02	1.18E-02	1.16E-02	4.02E-06	1.21E-05	7.03E-06	7.03E-06	6.45E-06	2.94E-06	2.91E-06	0.00E+00	0.00E+00	1.29E-06	2.39E-07	1.53E-06	2.36E-07	2.26E-07	3.53E-06
5760	489605.52	3858020.02	1.20E-02	1.21E-02	1.20E-02	4.15E-06	1.25E-05	7.26E-06	7.26E-06	6.66E-06	3.04E-06	3.01E-06	0.00E+00	0.00E+00	1.34E-06	2.46E-07	1.58E-06	2.44E-07	2.33E-07	3.64E-06
5761	489512.53	3858021.96	1.24E-02	1.26E-02	1.24E-02	4.30E-06	1.30E-05	7.51E-06	7.51E-06	6.88E-06	3.14E-06	3.11E-06	0.00E+00	0.00E+00	1.38E-06	2.55E-07	1.64E-06	2.52E-07	2.41E-07	3.77E-06
5762	489419.55	3858023.91	1.29E-02	1.30E-02	1.29E-02	4.46E-06	1.35E-05	7.80E-06	7.80E-06	7.14E-06	3.26E-06	3.24E-06	0.00E+00	0.00E+00	1.43E-06	2.65E-07	1.70E-06	2.62E-07	2.51E-07	3.91E-06
5763	489228.47	3858041.29	1.39E-02	1.40E-02	1.40E-02	4.81E-06	1.45E-05	8.40E-06	8.40E-06	7.69E-06	3.51E-06	3.49E-06	0.00E+00	0.00E+00	1.55E-06	2.85E-07	1.83E-06	2.82E-07	2.71E-07	4.21E-06
5764	489065.75	3858085.78	1.49E-02	1.50E-02	1.51E-02	5.16E-06	1.56E-05	9.02E-06	9.02E-06	8.25E-06	3.77E-06	3.77E-06	0.00E+00	0.00E+00	1.66E-06	3.06E-07	1.96E-06	3.02E-07	2.92E-07	4.52E-06
5765	489001.12	3858114.86	1.52E-02	1.53E-02	1.54E-02	5.26E-06	1.59E-05	9.20E-06	9.20E-06	8.41E-06	3.84E-06	3.85E-06	0.00E+00	0.00E+00	1.69E-06	3.12E-07	2.00E-06	3.08E-07	2.98E-07	4.61E-06
5766	488861.89	3858189.81	1.56E-02	1.57E-02	1.59E-02	5.40E-06	1.63E-05	9.44E-06	9.44E-06	8.62E-06	3.94E-06	3.98E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.05E-06	3.16E-07	3.08E-07	4.73E-06
5767	488787.29	3858235.69	1.59E-02	1.60E-02	1.62E-02	5.50E-06	1.66E-05	9.62E-06	9.62E-06	8.78E-06	4.00E-06	4.06E-06	0.00E+00	0.00E+00	1.77E-06	3.26E-07	2.09E-06	3.22E-07	3.15E-07	4.82E-06
5768	488712.68	3858281.57	1.62E-02	1.63E-02	1.66E-02	5.59E-06	1.69E-05	9.78E-06	9.78E-06	8.92E-06	4.07E-06	4.14E-06	0.00E+00	0.00E+00	1.80E-06	3.32E-07	2.12E-06	3.27E-07	3.21E-07	4.90E-06

5769	488654.39	3858436.17	1.70E-02	1.71E-02	1.76E-02	5.90E-06	1.78E-05	1.03E-05	1.03E-05	9.39E-06	4.29E-06	4.41E-06	0.00E+00	0.00E+00	1.90E-06	3.50E-07	2.23E-06	3.44E-07	3.41E-07	5.16E-06
5770	488726.31	3858505.26	1.74E-02	1.75E-02	1.81E-02	6.04E-06	1.82E-05	1.06E-05	1.06E-05	9.61E-06	4.39E-06	4.52E-06	0.00E+00	0.00E+00	1.94E-06	3.58E-07	2.28E-06	3.52E-07	3.50E-07	5.29E-06
5771	488880.6	3858599.28	1.84E-02	1.85E-02	1.91E-02	6.37E-06	1.92E-05	1.11E-05	1.11E-05	1.01E-05	4.62E-06	4.78E-06	0.00E+00	0.00E+00	2.05E-06	3.78E-07	2.41E-06	3.71E-07	3.70E-07	5.57E-06
5772	489008.06	3858714.75	2.10E-02	2.10E-02	2.18E-02	7.26E-06	2.19E-05	1.27E-05	1.27E-05	1.15E-05	5.27E-06	5.47E-06	0.00E+00	0.00E+00	2.33E-06	4.31E-07	2.74E-06	4.23E-07	4.23E-07	6.35E-06
5773	489071.48	3858772.72	2.24E-02	2.25E-02	2.34E-02	7.77E-06	2.35E-05	1.36E-05	1.36E-05	1.24E-05	5.64E-06	5.86E-06	0.00E+00	0.00E+00	2.50E-06	4.61E-07	2.93E-06	4.53E-07	4.54E-07	6.80E-06
5774	489244.6	3858920.2	2.54E-02	2.55E-02	2.66E-02	8.79E-06	2.65E-05	1.54E-05	1.54E-05	1.40E-05	6.37E-06	6.65E-06	0.00E+00	0.00E+00	2.83E-06	5.22E-07	3.32E-06	5.12E-07	5.15E-07	7.69E-06
5775	489239.69	3858952.23	2.66E-02	2.66E-02	2.78E-02	9.20E-06	2.78E-05	1.61E-05	1.61E-05	1.46E-05	6.67E-06	6.96E-06	0.00E+00	0.00E+00	2.96E-06	5.46E-07	3.47E-06	5.36E-07	5.39E-07	8.05E-06
5776	489121.67	3858854.49	2.51E-02	2.52E-02	2.63E-02	8.70E-06	2.63E-05	1.52E-05	1.52E-05	1.38E-05	6.31E-06	6.58E-06	0.00E+00	0.00E+00	2.80E-06	5.16E-07	3.29E-06	5.07E-07	5.09E-07	7.62E-06
5777	489059.59	3858797.27	2.36E-02	2.37E-02	2.47E-02	8.18E-06	2.47E-05	1.43E-05	1.43E-05	1.30E-05	5.93E-06	6.17E-06	0.00E+00	0.00E+00	2.63E-06	4.85E-07	3.09E-06	4.76E-07	4.78E-07	7.15E-06
5778	488997.52	3858740.04	2.19E-02	2.20E-02	2.29E-02	7.60E-06	2.29E-05	1.33E-05	1.33E-05	1.21E-05	5.51E-06	5.73E-06	0.00E+00	0.00E+00	2.44E-06	4.51E-07	2.87E-06	4.42E-07	4.43E-07	6.65E-06
5779	488935.44	3858682.82	2.04E-02	2.05E-02	2.13E-02	7.07E-06	2.13E-05	1.24E-05	1.24E-05	1.12E-05	5.13E-06	5.32E-06	0.00E+00	0.00E+00	2.27E-06	4.19E-07	2.67E-06	4.12E-07	4.12E-07	6.19E-06
5780	488869.17	3858848.43	3.02E-02	3.03E-02	3.16E-02	1.04E-05	3.15E-05	1.83E-05	1.83E-05	1.66E-05	7.57E-06	7.91E-06	0.00E+00	0.00E+00	3.36E-06	6.20E-07	3.94E-06	6.08E-07	6.12E-07	9.14E-06
5781	488932.48	3858892.69	3.19E-02	3.20E-02	3.34E-02	1.10E-05	3.34E-05	1.93E-05	1.93E-05	1.75E-05	8.00E-06	8.36E-06	0.00E+00	0.00E+00	3.55E-06	6.55E-07	4.17E-06	6.43E-07	6.48E-07	9.66E-06
5782	489063.27	3858977.17	3.27E-02	3.28E-02	3.43E-02	1.13E-05	3.42E-05	1.98E-05	1.98E-05	1.80E-05	8.21E-06	8.58E-06	0.00E+00	0.00E+00	3.64E-06	6.72E-07	4.27E-06	6.59E-07	6.65E-07	9.91E-06
5783	489248.2	3859117.15	3.06E-02	3.06E-02	3.20E-02	1.06E-05	3.19E-05	1.85E-05	1.85E-05	1.68E-05	7.66E-06	8.02E-06	0.00E+00	0.00E+00	3.40E-06	6.28E-07	3.99E-06	6.15E-07	6.21E-07	9.26E-06
5784	489296.25	3859049.22	2.80E-02	2.81E-02	2.93E-02	9.70E-06	2.93E-05	1.69E-05	1.69E-05	1.54E-05	7.03E-06	7.34E-06	0.00E+00	0.00E+00	3.12E-06	5.75E-07	3.66E-06	5.64E-07	5.68E-07	8.48E-06
5785	489353.38	3858993.97	2.54E-02	2.55E-02	2.66E-02	8.79E-06	2.65E-05	1.54E-05	1.54E-05	1.40E-05	6.37E-06	6.65E-06	0.00E+00	0.00E+00	2.83E-06	5.21E-07	3.32E-06	5.12E-07	5.15E-07	7.69E-06
5786	489537.25	3859120.22	2.39E-02	2.40E-02	2.50E-02	8.28E-06	2.50E-05	1.45E-05	1.45E-05	1.32E-05	6.00E-06	6.26E-06	0.00E+00	0.00E+00	2.66E-06	4.91E-07	3.12E-06	4.82E-07	4.85E-07	7.25E-06
5787	489726.98	3859246.04	2.17E-02	2.18E-02	2.27E-02	7.52E-06	2.27E-05	1.32E-05	1.32E-05	1.20E-05	5.45E-06	5.69E-06	0.00E+00	0.00E+00	2.42E-06	4.46E-07	2.84E-06	4.38E-07	4.41E-07	6.58E-06
5788	489911.46	3859366.33	1.94E-02	1.94E-02	2.03E-02	6.71E-06	2.03E-05	1.17E-05	1.17E-05	1.07E-05	4.86E-06	5.07E-06	0.00E+00	0.00E+00	2.16E-06	3.98E-07	2.53E-06	3.90E-07	3.93E-07	5.87E-06
5789	490035.3	3859430.26	1.83E-02	1.83E-02	1.91E-02	6.32E-06	1.91E-05	1.11E-05	1.11E-05	1.00E-05	4.58E-06	4.78E-06	0.00E+00	0.00E+00	2.03E-06	3.75E-07	2.39E-06	3.68E-07	3.70E-07	5.53E-06
5790	490101.11	3859458.61	1.76E-02	1.77E-02	1.84E-02	6.11E-06	1.84E-05	1.07E-05	1.07E-05	9.70E-06	4.43E-06	4.62E-06	0.00E+00	0.00E+00	1.96E-06	3.62E-07	2.31E-06	3.55E-07	3.57E-07	5.34E-06
5791	490312.68	3859560.3	1.60E-02	1.60E-02	1.67E-02	5.52E-06	1.67E-05	9.65E-06	9.65E-06	8.77E-06	4.00E-06	4.17E-06	0.00E+00	0.00E+00	1.78E-06	3.28E-07	2.08E-06	3.21E-07	3.23E-07	4.83E-06
5792	490401.63	3859603.12	1.53E-02	1.54E-02	1.60E-02	5.31E-06	1.60E-05	9.27E-06	9.27E-06	8.43E-06	3.85E-06	4.01E-06	0.00E+00	0.00E+00	1.71E-06	3.15E-07	2.00E-06	3.09E-07	3.10E-07	4.64E-06
5793	490490.57	3859645.94	1.47E-02	1.48E-02	1.54E-02	5.10E-06	1.54E-05	8.91E-06	8.91E-06	8.10E-06	3.70E-06	3.85E-06	0.00E+00	0.00E+00	1.64E-06	3.03E-07	1.92E-06	2.97E-07	2.98E-07	4.46E-06
5794	490579.51	3859688.76	1.41E-02	1.42E-02	1.48E-02	4.90E-06	1.48E-05	8.56E-06	8.56E-06	7.78E-06	3.55E-06	3.70E-06	0.00E+00	0.00E+00	1.57E-06	2.90E-07	1.85E-06	2.85E-07	2.86E-07	4.28E-06
5795	490668.45	3859731.58	1.35E-02	1.36E-02	1.41E-02	4.68E-06	1.41E-05	8.18E-06	8.18E-06	7.44E-06	3.39E-06	3.53E-06	0.00E+00	0.00E+00	1.51E-06	2.78E-07	1.77E-06	2.73E-07	2.74E-07	4.10E-06
5796	490757.4	3859774.4	1.31E-02	1.31E-02	1.37E-02	4.53E-06	1.37E-05	7.91E-06	7.91E-06	7.19E-06	3.28E-06	3.42E-06	0.00E+00	0.00E+00	1.46E-06	2.68E-07	1.71E-06	2.64E-07	2.65E-07	3.96E-06
5797	491003.53	3859861.82	1.18E-02	1.19E-02	1.23E-02	4.09E-06	1.24E-05	7.15E-06	7.15E-06	6.50E-06	2.97E-06	3.09E-06	0.00E+00	0.00E+00	1.32E-06	2.43E-07	1.55E-06	2.38E-07	2.39E-07	3.58E-06
5798	491081.41	3859879.05	1.15E-02	1.15E-02	1.20E-02	3.98E-06	1.20E-05	6.95E-06	6.95E-06	6.32E-06	2.89E-06	3.00E-06	0.00E+00	0.00E+00	1.28E-06	2.36E-07	1.50E-06	2.32E-07	2.32E-07	3.48E-06
5799	491229.76	3859917.82	1.09E-02	1.09E-02	1.14E-02	3.77E-06	1.14E-05	6.59E-06	6.59E-06	5.99E-06	2.73E-06	2.84E-06	0.00E+00	0.00E+00	1.21E-06	2.24E-07	1.42E-06	2.19E-07	2.20E-07	3.30E-06
5800	491300.22	3859939.35	1.06E-02	1.06E-02	1.11E-02	3.67E-06	1.11E-05	6.42E-06	6.42E-06	5.84E-06	2.66E-06	2.77E-06	0.00E+00	0.00E+00	1.18E-06	2.18E-07	1.39E-06	2.14E-07	2.14E-07	3.21E-06
5801	491350.49	3860012.03	1.03E-02	1.03E-02	1.07E-02	3.56E-06	1.08E-05	6.23E-06	6.23E-06	5.66E-06	2.58E-06	2.69E-06	0.00E+00	0.00E+00	1.15E-06	2.11E-07	1.35E-06	2.08E-07	2.08E-07	3.12E-06
5802	491406.82	3860092.57	9.88E-03	9.91E-03	1.03E-02	3.42E-06	1.03E-05	5.98E-06	5.98E-06	5.43E-06	2.48E-06	2.58E-06	0.00E+00	0.00E+00	1.10E-06	2.03E-07	1.29E-06	1.99E-07	2.00E-07	2.99E-06
5803	491483.37	3860121.96	9.53E-03	9.56E-03	9.94E-03	3.30E-06	9.96E-06	5.77E-06	5.77E-06	5.24E-06	2.39E-06	2.49E-06	0.00E+00	0.00E+00	1.06E-06	1.96E-07	1.25E-06	1.92E-07	1.93E-07	2.89E-06
5804	491559.91	3860151.36	9.20E-03	9.23E-03	9.59E-03	3.18E-06	9.61E-06	5.57E-06	5.57E-06	5.06E-06	2.31E-06	2.40E-06	0.00E+00	0.00E+00	1.02E-06	1.89E-07	1.20E-06	1.85E-07	1.86E-07	2.79E-06
5805	491711.81	3860237.76	8.37E-03	8.40E-03	8.72E-03	2.90E-06	8.75E-06	5.07E-06	5.07E-06	4.61E-06	2.10E-06	2.18E-06	0.00E+00	0.00E+00	9.32E-07	1.72E-07	1.10E-06	1.69E-07	1.69E-07	2.54E-06
5806	491755.2	3860319.07	8.05E-03	8.08E-03	8.39E-03	2.79E-06	8.42E-06	4.87E-06	4.87E-06	4.43E-06	2.02E-06	2.10E-06	0.00E+00	0.00E+00	8.97E-07	1.65E-07	1.05E-06	1.62E-07	1.63E-07	2.44E-06
5807	491704.71	3860366.54	8.00E-03	8.03E-03	8.34E-03	2.77E-06	8.36E-06	4.84E-06	4.84E-06	4.40E-06	2.01E-06	2.09E-06	0.00E+00	0.00E+00	8.91E-07	1.64E-07	1.05E-06	1.61E-07	1.62E-07	2.42E-06
5808	491623.43	3860462.39	7.80E-03	7.83E-03	8.13E-03	2.70E-06	8.15E-06	4.72E-06	4.72E-06	4.29E-06	1.96E-06	2.03E-06	0.00E+00	0.00E+00	8.68E-07	1.60E-07	1.02E-06	1.57E-07	1.58E-07	2.36E-06
5809	491534.02	3860439.85	8.12E-03	8.15E-03	8.46E-03	2.81E-06	8.49E-06	4.91E-06	4.91E-06	4.47E-06	2.04E-06	2.12E-06	0.00E+00	0.00E+00	9.04E-07	1.67E-07	1.06E-06	1.64E-07	1.64E-07	2.46E-06
5810	491313.95	3860268.18	9.48E-03	9.51E-03	9.89E-03	3.28E-06	9.91E-06	5.73E-06	5.73E-06	5.21E-06	2.38E-06	2.48E-06	0.00E+00	0.00E+00	1.05E-06	1.95E-07	1.24E-06	1.91E-07	1.92E-07	2.87E-06
5811	491187.12	3860143.56	1.05E-02	1.05E-02	1.10E-02	3.63E-06	1.10E-05	6.35E-06	6.35E-06	5.77E-06	2.63E-06	2.74E-06	0.00E+00	0.00E+00	1.17E-06	2.15E-07	1.37E-06	2.11E-07	2.12E-07	3.18E-06
5812	491070.43	3860075.97	1.12E-02	1.12E-02	1.17E-02	3.88E-06	1.17E-05	6.78E-06	6.78E-06	6.17E-06	2.81E-06	2.93E-06	0.00E+00	0.00E+00	1.25E-06	2.30E-07	1.47E-06	2.26E-07	2.27E-07	3.40E-06
5813	490995.09	3860039.39	1.17E-02	1.17E-02	1.22E-02	4.03E-06	1.22E-05	7.05E-06	7.05E-06	6.41E-06	2.92E-06	3.05E-06	0.00E+00	0.00E+00	1.30E-06	2.39E-07	1.52E-06	2.35E-07	2.36E-07	3.53E-06
5814	490919.75	3860002.8	1.21E-02	1.21E-02	1.26E-02	4.19E-06	1.26E-05	7.32E-06	7.32E-06	6.65E-06	3.04E-06	3.16E-06	0.00E+00	0.00E+00	1.35E-06	2.48E-07	1.58E-06	2.44E-07	2.45E-07	3.66E-06
5815	490756.81	3859894.53	1.31E-02	1.31E-02	1.36E-02	4.52E-06	1.37E-05	7.90E-06	7.90E-06	7.18E-06	3.28E-06	3.42E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.71E-06	2.63E-07	2.65E-07	3.96E-06
5816	490668.07	3859860.92	1.36E-02	1.36E-02	1.42E-02	4.71E-06	1.42E-05	8.24E-06	8.24E-06	7.49E-06	3.42E-06	3.56E-06	0.00E+00	0.00E+00	1.52E-06	2.80E-07	1.78E-06	2.74E-07	2.76E-07	4.12E-06
5817	490579.34	3859827.3	1.41E-02	1.42E-02	1.48E-02	4.89E-06	1.48E-05	8.55E-06	8.55E-06	7.78E-06	3.55E-06	3.70E-06	0.00E+00	0.00E+00	1.57E-06	2.90E-07	1.85E-06	2.85E-07	2.86E-07	4.28E-06
5818	490490.6	3859793.68	1.47E-02	1.48E-02	1.54E-02	5.09E-06	1.54E-05	8.91E-06	8.91E-06	8.09E-06	3.69E-06	3.85E-06	0.00E+00	0.00E+00	1.64E-06	3.02E-07	1.92E-06	2.97E-07	2.98E-07	4.46E-06
5819	490401.86	3859760.07	1.53E-02	1.54E-02	1.60E-02	5.31E-06	1.60E-05	9.27E-06	9.27E-06	8.43E-06	3.85E-06	4.01E-06	0.00E+00	0.00E+00	1.71E-06	3.15E-07	2.00E-06	3.09E-07	3.11E-07	4.64E-06
5820	490313.12	3859726.45	1.59E-02	1.60E-02	1.67E-02	5.51E-06	1.67E-05	9.64E-06	9.64E-06	8.76E-06	4.00E-06	4.17E-06	0.00E+00	0.00E+00	1.77E-06	3.27E-07	2.08E-06	3.21E-07	3.23E-07	4.83E-06
5821	490224.39	3859692.83	1.66E-02	1.66E-02	1.73E-02	5.73E-06	1.73E-05	1.00E-05	1.00E-05	9.11E-06	4.16E-06	4.34E-06	0.00E+00	0.00E+00	1.84E-06	3.40E-07	2.16E-06	3.34E-07	3.36E-07	5.02E-06
5822	490135.65	3859659.22	1.72E-02	1.72E-02	1.80E-02	5.94E-06	1.79E-05	1.04E-05	1.04E-05	9.44E-06	4.31E-06	4.50E-06	0.00E+00	0.00E+00	1.91E-06	3.53E-07	2.24E-06	3.46E-07	3.48E-07	5.20E-06
5823	489918.19	3859559.23	1.91E-02	1.91E-02	2.00E-02	6.60E-06	1.99E-05	1.15E-05	1.15E-05	1.05E-05	4.79E-06	4.99E-06	0.00E+00	0.00E+00	2.12E-06	3.92E-07	2.49E-06	3.84E-07	3.87E-07	5.78E-06
5824	489743.61	3859486	2.12E-02	2.12E-02	2.22E-02	7.34E-06	2.22E-05	1.28E-05	1.28E-05	1.17E-05	5.32E-06	5.55E-06	0.00E+00	0.00E+00	2.36E-06	4.35E-07	2.77E-06	4.27E-07	4.30E-07	6.42E-06
5825	489660.32	3859440.27	2.25E-02	2.26E-02	2.36E-02	7.80E-06	2.36E-05	1.36E-05	1.36E-05	1.24E-05	5.65E-06	5.91E-06	0.00E+00	0.00E+00	2.51E-06	4.63E-07	2.94E-06	4.54E-07	4.57E-07	6.83E-06
5826	489577.04	3859394.53	2.41E-02	2.41E-02	2.52E-02	8.33E-06	2.51E-05	1.46E-05	1.46E-05	1.32E-05	6.03E-06	6.31E-06	0.00E+00	0.00E+00	2.68E-06	4.94E-07	3.14E-06	4.85E-07	4.88E-07	7.29E-06
5827	489493.75	3859348.8	2.58E-02	2.59E-02	2.71E-02	8.94E-06	2.70E-05	1.56E-05	1.56E-05	1.42E-05	6.48E-06	6.77E-06	0.00E+00	0.00E+00	2.88E-06	5.31E-07	3.37E-06	5.20E-07	5.25E-07	7.83E-06
5828	489321.28	3859240.02	3.00E-02	3.00E-02	3.14E-02	1.04E-05	3.13E-05	1.81E-05	1.81E-05	1.65E-05	7.52E-06	7.86E-06	0.00E+00	0.00E+00	3.34E-06	6.16E-07	3.91E-06	6.04E-07	6.09E-07	9.08E-06
5829	489235.41	3859193.96	3.20E-02	3.21E-02	3.36E-02	1.11E-05	3.35E-05	1.94E-05	1.94E-05	1.76E-05	8.03E-06	8.40E-06	0.00E+00	0.00E+00	3.56E-06	6.58E-07	4.18E-06	6.45E-07	6.51E-07	9.70E-06
5830	489149.54	3859147.89	3.49E-02	3.49E-02	3.66E-02	1.21E-05	3.65E-05	2.11E-05	2.11E-05	1.92E-05	8.74E-06	9.16E-06	0.00E+00	0.00E+00	3.88E-06	7.16E-07	4.55E-06	7.02E-07	7.09E-07	1.06E-05
5831	489063.68	3859101.82	3.76E-02	3.77E-02	3.95E-02	1.30E-05	3.93E-05	2.28E-05	2.28E-05	2.07E-05	9.43E-06	9.88E-06	0.00E+00	0.00E+00	4.19E-06	7.72E-07	4.91E-06	7.57E-07	7.65E-07	1.14E-05
5832	488977.81	3859055.75	4.06E-02	4.07E-02	4.27E-02	1.41E-05	4.25E-05	2.46E-05	2.46E-05	2.23E-05	1.02E-05	1.07E-05	0.00E+00	0.00E+00	4.52E-06	8.35E-07	5.30E-06	8.18E-07	8.27E-07	1.23E-05
5833	488891.94	3859009.69	4.54E-02	4.55E-02	4.77E-02	1.57E-05	4.75E-05	2.75E-05	2.75E-05	2.49E-05	1.14E-05	1.19E-05	0.00E+00	0.00E+00	5.05E-06	9.33E-07	5.93E-06	9.14E-07	9.24E-07	1.38E-05
5834	488808	3859060.73	5.97E-02	5.97E-02	6.28E-02	2.07E-05	6.24E-05	3.61E-05	3.61E-05	3.28E-05	1.50E-05	1.57E-05	0.00E+00	0.00E+00	6.64E-06	1.23E-06	7.78E-06	1.20E-06	1.22E-06	1.81E-05
5835	488809.93	3859157.85	6.26E-02	6.27E-02	6.59E-02	2.17E-05	6.55E-05	3.79E-05	3.79E-05	3.44E-05	1.57E-05	1.65E-05	0.00E+00	0.00E+00	6.97E-06	1.29E-06	8.17E-06	1.26E-06	1.28E-06	1.90E-05
5836	488811.86	3859254.96	6.50E-02	6.51E-02	6.84E-02	2.25E-05	6.80E-05	3.94E-05	3.94E-05	3.57E-05	1.63E-05	1.71E-05	0.00E+00	0.00E+00	7.24E-06	1.34E-06	8.48E-06	1.31E-06	1.33E-06	1.97E-05
5837	488813.78	3859352.07	6.66E-02	6.66E-02	7.01E-02	2.31E-05	6.96E-05	4.03E-05	4.03E-05	3.66E-05	1.67E-05	1.75E-05	0.00E+00	0.00E+00	7.41E-06	1.37E-06	8.69E-06	1.34E-06	1.36E-06	2.02E-05
5838	488815.71	3859449.19	6.65E-02	6.65E-02	7.00E-02	2.30E-05	6.95E-05	4.02E-05	4.02E-05	3.65E-05	1.66E-05	1.75E-05	0.00E+00	0.00E+00	7.40E-06	1.36E-06	8.67E-06	1.34E-06	1.36E-06	2.01E-05
5839	488910.04	3859547.11	4.40E-02	4.41E-02	4.63E-02	1.52E-05	4.60E-05	2.66E-05	2.66E-05	2.42E-05	1.10E-05	1.16E-05	0.00E+00	0.00E+00	4.90E-06	9.04E-07	5.74E-06	8.86E-07	8.97E-07	1.33E-05
5840	489002.45	3859547.91	3.81E-02	3.81E-02	4.00E-02	1.32E-05	3.98E-05	2.31E-05	2.31E-05	2.09E-05	9.55E-06	1.00E-05	0.00E+00	0.00E+00	4.24E-06	7.82E-07	4.97E-06	7.67E-07	7.76E-07	1.15E-05
5841	489094.85	3859548.72	3.38E-02	3.38E-02	3.55E-02	1.17E-05	3.53E-05	2.04E-05	2.04E-05	1.86E-05	8.47E-06	8.88E-06	0.00E+00	0.00E+00	3.76E-06	6.94E-07	4.41E-06	6.80E-07	6.88E-07	1.02E-05
5842	489230.05	3859601.87	2.85E-02	2.85E-02	2.99E-02	9.87E-06	2.98E-05	1.72E-05	1.72E-05	1.57E-05	7.15E-06	7.48E-06	0.00E+00	0.00E+00	3.17E-06	5.85E-07	3.72E-06	5.74E-07	5.79E-07	8.63E-06
5843	489227.52	3859680.89	2.72E-02	2.72E-02	2.85E-02	9.42E-06	2.84E-05	1.65E-05	1.65E-05	1.49E-05	6.82E-06	7.14E-06	0.00E+00	0.00E+00	3.03E-06	5.59E-07	3.55E-06	5.48E-07	5.53E-07	8.24E-06
5844	489133.47	3859760.29	2.78E-02	2.78E-02	2.91E-02	9.61E-06	2.90E-05	1.68E-05	1.68E-05	1.53E-05	6.96E-06	7.29E-06	0.00E+00	0.00E+00	3.09E-06	5.70E-07	3.62E-06	5.59E-07	5.65E-07	8.41E-06
5845	489041.96	3859760.67	2.93E-02	2.94E-02	3.08E-02	1.02E-05	3.07E-05	1.77E-05	1.77E-05	1.61E-05	7.35E-06	7.70E-06	0.00E+00	0.00E+00	3.26E-06	6.02E-07	3.83E-06	5.90E-07	5.96E-07	8.88E-06
5846	488950.45	3859761.05	3.11E-02	3.12E-02	3.27E-02	1.08E-05	3.26E-05	1.88E-05	1.88E-05	1.71E-05	7.81E-06	8.18E-06	0.00E+00	0.00E+00	3.47E-06	6.40E-07	4.06E-06	6.27E-07	6.34E-07	9.43E-06
5847	488858.94	3859761.43	3.33E-02	3.34E-02	3.50E-02	1.15E-05	3.48E-05	2.02E-05	2.02E-05	1.83E-05	8.35E-06	8.75E-06	0.00E+00	0.00E+00	3.71E-06	6.84E-07	4.35E-06	6.70E-07	6.78E-07	1.01E-05
5848	488767.43	3859761.82	3.63E-02	3.63E-02	3.81E-02	1.26E-05	3.79E-05	2.19E-05	2.19E-05	1.99E-05	9.08E-06	9.53E-06	0.00E+00	0.00E+00	4.04E-06	7.45E-07	4.73E-06	7.29E-07	7.38E-07	1.10E-05
5849	488675.92	3859762.2	4.03E-02	4.03E-02	4.23E-02	1.39E-05	4.21E-05	2.44E-05	2.44E-05	2.21E-05	1.01E-05	1.06E-05	0.00E+00	0.00E+00	4.48E-06	8.27E-07	5.25E-06	8.10E-07	8.19E-07	1.22E-05
5850	488584.41	3859762.58	4.62E-02	4.62E-02	4.85E-02	1.60E-05	4.82E-05	2.79E-05	2.79E-05	2.53E-05	1.16E-05	1.21E-05	0.00E+00	0.00E+00	5.14E-06	9.48E-07	6.02E-06	9.28E-07	9.39E-07	1.40E-05
5851	488492.9	3859762.96	5.53E-02	5.54E-02	5.81E-02	1.91E-05	5.78E-05	3.35E-05	3.35E-05	3.04E-05	1.39E-05	1.45E-05	0.00E+00	0.00E+00	6.16E-06	1.14E-06	7.21E-06	1.11E-06	1.13E-06	1.67E-05
5852	488402.76	3859830.95	7.13E-02	7.13E-02	7.51E-02	2.47E-05	7.45E-05	4.31E-05	4.31E-05	3.91E-05	1.79E-05	1.88E-05	0.00E+00	0.00E+00	7.94E-06	1.46E-06	9.30E-06	1.43E-06	1.46E-06	2.16E-05
5853	488404.14	3859898.55	7.10E-02	7.10E-02	7.48E-02	2.46E-05	7.42E-05	4.30E-05	4.30E-05	3.90E-05	1.78E-05	1.87E-05	0.00E+00	0.00E+00	7.90E-06	1.46E-06	9.26E-06	1.43E-06	1.45E-06	2.15E-05
5854	488505.18	3859964.96	5.99E-02	5.99E-02	6.31E-02	2.07E-05	6.26E-05	3.62E-05	3.62E-05	3.29E-05	1.50E-05	1.58E-05	0.00E+00	0.00E+00	6.67E-06	1.23E-06	7.81E-06	1.20E-06	1.22E-06	1.81E-05
5855	488604.85	3859963.76	5.38E-02	5.39E-02	5.67E-02	1.86E-05	5.63E-05	3.26E-05	3.26E-05	2.96E-05	1.35E-05	1.42E-05	0.00E+00	0.00E+00	5.99E-06	1.11E-06	7.02E-06	1.08E-06	1.10E-06	1.63E-05
5856	488704.51	3859962.56	4.89E-02	4.90E-02	5.15E-02	1.69E-05	5.11E-05	2.96E-05	2.96E-05	2.68E-05	1.23E-05	1.29E-05	0.00E+00	0.00E+00	5.45E-06	1.00E-06	6.38E-06	9.84E-07	9.98E-07	1.48E-05
5857	488804.18	3859961.37	4.35E-02	4.35E-02	4.57E-02	1.50E-05	4.54E-05	2.63E-05	2.63E-05	2.39E-05	1.09E-05	1.14E-05	0.00E+00	0.00E+00	4.84E-06	8.93E-07	5.67E-06	8.74E-07	8.86E-07	1.32E-05
5858	488903.85	3859960.17	3.79E-02	3.80E-02	3.99E-02	1.31E-05	3.96E-05	2.29E-05	2.29E-05	2.08E-05	9.50E-06	9.98E-06	0.00E+00	0.00E+00	4.22E-06	7.79E-07	4.95E-06	7.63E-07	7.72E-07	1.15E-05
5859	489003.52	3859958.97	3.38E-02	3.38E-02	3.55E-02	1.17E-05	3.53E-05	2.04E-05	2.04E-05	1.85E-05	8.46E-06	8.88E-06	0.00E+00	0.00E+00	3.76E-06	6.93E-07	4.40E-06	6.79E-07	6.88E-07	1.02E-05
5860	489103.18	3859957.77	3.07E-02	3.07E-02	3.22E-02	1.06E-05	3.20E-05	1.86E-05	1.86E-05	1.68E-05	7.68E-06	8.06E-06	0.00E+00	0.00E+00	3.41E-06	6.30E-07	4.00E-06	6.17E-07	6.24E-07	9.28E-06
5861	489201.48	3860046.59	2.99E-02	3.00E-02	3.15E-02	1.04E-05	3.13E-05	1.81E-05	1.81E-05	1.64E-05	7.50E-06	7.87E-06	0.00E+00	0.00E+00	3.33E-06	6.15E-07	3.91E-06	6.02E-07	6.09E-07	9.06E-06
5862	489200.11	3860136.61	3.21E-02	3.21E-02	3.37E-02	1.11E-05	3.35E-05	1.94E-05	1.94E-05	1.76E-05	8.03E-06	8.44E-06	0.00E+00	0.00E+00	3.57E-06	6.59E-07	4.18E-06	6.45E-07	6.53E-07	9.71E-06
5863	489198.74	3860226.63	3.82E-02	3.82E-02	4.02E-02	1.32E-05	3.99E-05	2.31E-05	2.31E-05	2.10E-05	9.56E-06	1.01E-05	0.00E+00	0.00E+00	4.25E-06	7.84E-07	4.98E-06	7.68E-07	7.78E-07	1.16E-05
5864	489197.38	3860316.66	5.58E-02	5.59E-02	5.88E-02	1.93E-05	5.84E-05	3.38E-05	3.38E-05	3.06E-05	1.40E-05	1.47E-05	0.00E+00	0.00E+00	6.22E-06	1.15E-06	7.28E-06	1.12E-06	1.14E-06	1.69E-05
5865	489196.01	3860406.68	5.83E-02	5.83E-02	6.14E-02	2.02E-05	6.09E-05	3.53E-05	3.53E-05	3.20E-05	1.46E-05	1.54E-05	0.00E+00	0.00E+00	6.49E-06	1.20E-06	7.60E-06	1.17E-06	1.19E-06	1.77E-05
5866	489194.64	3860496.7	5.33E-02	5.33E-02	5.61E-02	1.84E-05	5.57E-05	3.22E-05	3.22E-05	2.92E-05	1.33E-05	1.41E-05	0.00E+00	0.00E+00	5.93E-06	1.09E-06	6.95E-06	1.07E-06	1.09E-06	1.61E-05
5867	489193.27	3860586.72	3.48E-02	3.48E-02	3.67E-02	1.21E-05	3.64E-05	2.11E-05	2.11E-05	1.91E-05	8.72E-06	9.17E-06	0.00E+00	0.00E+00	3.88E-06	7.15E-07	4.54E-06	7.00E-07	7.10E-07	1.05E-05
5868	489092.02	3860678.13	2.03E-02	2.04E-02	2.14E-02	7.04E-06	2.13E-05	1.23E-05	1.23E-05	1.12E-05	5.10E-06	5.35E-06	0.00E+00	0.00E+00	2.26E-06	4.18E-07	2.65E-06	4.09E-07	4.14E-07	6.16E-06
5869	488992.13	3860679.53	2.07E-02	2.07E-02	2.17E-02	7.16E-06	2.16E-05	1.25E-05	1.25E-05	1.14E-05	5.18E-06	5.44E-06	0.00E+00	0.00E+00	2.30E-06	4.25E-07	2.70E-06	4.16E-07	4.21E-07	6.26E-06
5870	488892.25	3860680.92	2.08E-02	2.08E-02	2.19E-02	7.20E-06	2.17E-05	1.26E-05	1.26E-05	1.14E-05	5.21E-06	5.47E-06	0.00E+00	0.00E+00	2.31E-06	4.27E-07	2.71E-06	4.18E-07	4.24E-07	6.30E-06
5871	488792.36	3860682.31	2.06E-02	2.06E-02	2.16E-02	7.13E-06	2.15E-05	1.25E-05	1.25E-05	1.13E-05	5.16E-06	5.42E-06	0.00E+00	0.00E+00	2.29E-06	4.23E-07	2.69E-06	4.14E-07	4.19E-07	6.23E-06
5872	488692.48	3860683.7	2.03E-02	2.04E-02	2.14E-02	7.04E-06	2.13E-05	1.23E-05	1.23E-05	1.12E-05	5.10E-06	5.35E-06	0.00E+00	0.00E+00	2.26E-06	4.18E-07	2.65E-06	4.09E-07	4.14E-07	6.16E-06
5873	488592.59	3860685.1	1.96E-02	1.97E-02	2.06E-02	6.80E-06	2.05E-05	1.19E-05	1.19E-05	1.08E-05	4.92E-06	5.16E-06	0.00E+00	0.00E+00	2.19E-06	4.03E-07	2.56E-06	3.95E-07	4.00E-07	5.95E-06

5874	488492.71	3860686.49	1.94E-02	1.94E-02	2.04E-02	6.71E-06	2.03E-05	1.17E-05	1.17E-05	1.06E-05	4.86E-06	5.10E-06	0.00E+00	0.00E+00	2.16E-06	3.98E-07	2.53E-06	3.90E-07	3.95E-07	5.87E-06
5875	488299.07	3860762.18	1.36E-02	1.37E-02	1.43E-02	4.72E-06	1.43E-05	8.25E-06	8.25E-06	7.49E-06	3.42E-06	3.58E-06	0.00E+00	0.00E+00	1.52E-06	2.80E-07	1.78E-06	2.75E-07	2.77E-07	4.13E-06
5876	488205.32	3860764.09	1.29E-02	1.30E-02	1.36E-02	4.48E-06	1.35E-05	7.84E-06	7.84E-06	7.12E-06	3.25E-06	3.40E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.69E-06	2.61E-07	2.63E-07	3.92E-06
5877	488111.56	3860766	1.21E-02	1.21E-02	1.26E-02	4.17E-06	1.26E-05	7.29E-06	7.29E-06	6.63E-06	3.02E-06	3.16E-06	0.00E+00	0.00E+00	1.34E-06	2.48E-07	1.57E-06	2.43E-07	2.45E-07	3.65E-06
5878	488017.81	3860767.91	1.11E-02	1.11E-02	1.16E-02	3.85E-06	1.16E-05	6.73E-06	6.73E-06	6.11E-06	2.79E-06	2.92E-06	0.00E+00	0.00E+00	1.24E-06	2.28E-07	1.45E-06	2.24E-07	2.26E-07	3.37E-06
5879	487924.06	3860769.81	1.03E-02	1.03E-02	1.08E-02	3.57E-06	1.08E-05	6.23E-06	6.23E-06	5.66E-06	2.58E-06	2.70E-06	0.00E+00	0.00E+00	1.15E-06	2.12E-07	1.35E-06	2.07E-07	2.09E-07	3.12E-06
5880	487830.31	3860771.72	9.61E-03	9.63E-03	1.01E-02	3.33E-06	1.00E-05	5.81E-06	5.81E-06	5.28E-06	2.41E-06	2.52E-06	0.00E+00	0.00E+00	1.07E-06	1.97E-07	1.25E-06	1.94E-07	1.95E-07	2.91E-06
5881	487736.55	3860773.63	9.03E-03	9.06E-03	9.45E-03	3.13E-06	9.44E-06	5.47E-06	5.47E-06	4.97E-06	2.27E-06	2.37E-06	0.00E+00	0.00E+00	1.01E-06	1.86E-07	1.18E-06	1.82E-07	1.83E-07	2.74E-06
5882	487642.8	3860775.54	8.55E-03	8.57E-03	8.94E-03	2.96E-06	8.94E-06	5.17E-06	5.17E-06	4.70E-06	2.15E-06	2.24E-06	0.00E+00	0.00E+00	9.52E-07	1.76E-07	1.12E-06	1.72E-07	1.73E-07	2.59E-06
5883	487549.48	3860684.71	9.33E-03	9.35E-03	9.76E-03	3.23E-06	9.75E-06	5.64E-06	5.64E-06	5.13E-06	2.34E-06	2.44E-06	0.00E+00	0.00E+00	1.04E-06	1.92E-07	1.22E-06	1.88E-07	1.89E-07	2.83E-06
5884	487549.91	3860591.97	1.08E-02	1.09E-02	1.14E-02	3.76E-06	1.13E-05	6.56E-06	6.56E-06	5.96E-06	2.72E-06	2.84E-06	0.00E+00	0.00E+00	1.21E-06	2.23E-07	1.42E-06	2.18E-07	2.20E-07	3.29E-06
5885	487550.34	3860499.23	1.26E-02	1.27E-02	1.32E-02	4.37E-06	1.32E-05	7.64E-06	7.64E-06	6.94E-06	3.17E-06	3.31E-06	0.00E+00	0.00E+00	1.41E-06	2.59E-07	1.65E-06	2.54E-07	2.56E-07	3.82E-06
5886	487550.76	3860406.49	1.41E-02	1.41E-02	1.48E-02	4.89E-06	1.48E-05	8.54E-06	8.54E-06	7.76E-06	3.54E-06	3.71E-06	0.00E+00	0.00E+00	1.57E-06	2.90E-07	1.84E-06	2.84E-07	2.87E-07	4.28E-06
5887	487551.19	3860313.75	1.52E-02	1.52E-02	1.59E-02	5.25E-06	1.58E-05	9.17E-06	9.17E-06	8.33E-06	3.80E-06	3.98E-06	0.00E+00	0.00E+00	1.69E-06	3.11E-07	1.98E-06	3.05E-07	3.08E-07	4.59E-06
5888	487551.62	3860221.01	1.61E-02	1.61E-02	1.69E-02	5.57E-06	1.68E-05	9.74E-06	9.74E-06	8.85E-06	4.04E-06	4.23E-06	0.00E+00	0.00E+00	1.79E-06	3.31E-07	2.10E-06	3.24E-07	3.27E-07	4.88E-06
5889	487552.05	3860128.27	1.73E-02	1.73E-02	1.81E-02	5.97E-06	1.80E-05	1.04E-05	1.04E-05	9.48E-06	4.33E-06	4.53E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.25E-06	3.47E-07	3.51E-07	5.23E-06
5890	487552.48	3860035.53	1.83E-02	1.83E-02	1.92E-02	6.34E-06	1.91E-05	1.11E-05	1.11E-05	1.01E-05	4.59E-06	4.81E-06	0.00E+00	0.00E+00	2.04E-06	3.76E-07	2.39E-06	3.69E-07	3.72E-07	5.55E-06
5891	487552.91	3859942.79	1.90E-02	1.91E-02	2.00E-02	6.58E-06	1.99E-05	1.15E-05	1.15E-05	1.05E-05	4.77E-06	4.99E-06	0.00E+00	0.00E+00	2.12E-06	3.91E-07	2.48E-06	3.83E-07	3.87E-07	5.76E-06
5892	487553.33	3859850.05	2.04E-02	2.05E-02	2.15E-02	7.08E-06	2.14E-05	1.24E-05	1.24E-05	1.12E-05	5.13E-06	5.37E-06	0.00E+00	0.00E+00	2.28E-06	4.20E-07	2.67E-06	4.12E-07	4.16E-07	6.19E-06
5893	487553.76	3859757.31	2.21E-02	2.21E-02	2.32E-02	7.66E-06	2.31E-05	1.34E-05	1.34E-05	1.21E-05	5.54E-06	5.81E-06	0.00E+00	0.00E+00	2.46E-06	4.54E-07	2.89E-06	4.45E-07	4.50E-07	6.70E-06
5894	487554.19	3859664.57	2.50E-02	2.50E-02	2.62E-02	8.65E-06	2.61E-05	1.51E-05	1.51E-05	1.37E-05	6.27E-06	6.57E-06	0.00E+00	0.00E+00	2.78E-06	5.13E-07	3.26E-06	5.03E-07	5.09E-07	7.57E-06
5895	487460.2	3859571.05	2.86E-02	2.87E-02	3.01E-02	9.91E-06	2.99E-05	1.73E-05	1.73E-05	1.57E-05	7.18E-06	7.53E-06	0.00E+00	0.00E+00	3.19E-06	5.88E-07	3.74E-06	5.76E-07	5.83E-07	8.67E-06
5896	487365.78	3859570.27	2.65E-02	2.65E-02	2.78E-02	9.17E-06	2.77E-05	1.60E-05	1.60E-05	1.46E-05	6.64E-06	6.96E-06	0.00E+00	0.00E+00	2.95E-06	5.44E-07	3.46E-06	5.33E-07	5.39E-07	8.03E-06
5897	487271.36	3859569.48	2.46E-02	2.47E-02	2.59E-02	8.52E-06	2.57E-05	1.49E-05	1.49E-05	1.35E-05	6.17E-06	6.47E-06	0.00E+00	0.00E+00	2.74E-06	5.06E-07	3.21E-06	4.96E-07	5.01E-07	7.46E-06
5898	487176.94	3859568.7	2.27E-02	2.28E-02	2.38E-02	7.86E-06	2.37E-05	1.37E-05	1.37E-05	1.25E-05	5.69E-06	5.97E-06	0.00E+00	0.00E+00	2.53E-06	4.67E-07	2.97E-06	4.57E-07	4.62E-07	6.88E-06
5899	487082.51	3859567.92	2.09E-02	2.09E-02	2.19E-02	7.22E-06	2.18E-05	1.26E-05	1.26E-05	1.15E-05	5.23E-06	5.48E-06	0.00E+00	0.00E+00	2.32E-06	4.28E-07	2.72E-06	4.20E-07	4.24E-07	6.32E-06
5900	486988.09	3859567.14	1.90E-02	1.90E-02	1.99E-02	6.58E-06	1.99E-05	1.15E-05	1.15E-05	1.04E-05	4.76E-06	4.98E-06	0.00E+00	0.00E+00	2.11E-06	3.90E-07	2.48E-06	3.83E-07	3.86E-07	5.75E-06
5901	486893.67	3859566.36	1.72E-02	1.73E-02	1.81E-02	5.97E-06	1.80E-05	1.04E-05	1.04E-05	9.47E-06	4.32E-06	4.52E-06	0.00E+00	0.00E+00	1.92E-06	3.54E-07	2.25E-06	3.47E-07	3.50E-07	5.22E-06
5902	486799.25	3859565.58	1.56E-02	1.57E-02	1.63E-02	5.40E-06	1.63E-05	9.45E-06	9.45E-06	8.58E-06	3.92E-06	4.09E-06	0.00E+00	0.00E+00	1.74E-06	3.21E-07	2.04E-06	3.15E-07	3.17E-07	4.73E-06
5903	486704.83	3859564.79	1.42E-02	1.42E-02	1.48E-02	4.91E-06	1.48E-05	8.58E-06	8.58E-06	7.80E-06	3.56E-06	3.71E-06	0.00E+00	0.00E+00	1.58E-06	2.91E-07	1.85E-06	2.86E-07	2.87E-07	4.30E-06
5904	486610.41	3859564.01	1.29E-02	1.30E-02	1.35E-02	4.48E-06	1.35E-05	7.82E-06	7.82E-06	7.11E-06	3.25E-06	3.38E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.69E-06	2.61E-07	2.62E-07	3.92E-06
5905	486515.99	3859563.23	1.18E-02	1.18E-02	1.23E-02	4.08E-06	1.23E-05	7.14E-06	7.14E-06	6.49E-06	2.96E-06	3.08E-06	0.00E+00	0.00E+00	1.31E-06	2.42E-07	1.54E-06	2.38E-07	2.39E-07	3.58E-06
5906	486421.57	3859562.45	1.09E-02	1.09E-02	1.13E-02	3.76E-06	1.14E-05	6.58E-06	6.58E-06	5.98E-06	2.73E-06	2.84E-06	0.00E+00	0.00E+00	1.21E-06	2.23E-07	1.42E-06	2.19E-07	2.20E-07	3.29E-06
5907	486327.14	3859561.67	1.01E-02	1.01E-02	1.05E-02	3.50E-06	1.06E-05	6.11E-06	6.11E-06	5.56E-06	2.54E-06	2.63E-06	0.00E+00	0.00E+00	1.12E-06	2.07E-07	1.32E-06	2.04E-07	2.04E-07	3.06E-06
5908	486232.72	3859560.89	9.39E-03	9.43E-03	9.77E-03	3.25E-06	9.82E-06	5.68E-06	5.68E-06	5.17E-06	2.36E-06	2.45E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.23E-06	1.90E-07	1.89E-07	2.85E-06
5909	486138.3	3859560.1	8.77E-03	8.81E-03	9.12E-03	3.04E-06	9.17E-06	5.31E-06	5.31E-06	4.83E-06	2.21E-06	2.28E-06	0.00E+00	0.00E+00	9.77E-07	1.80E-07	1.15E-06	1.77E-07	1.77E-07	2.66E-06
5910	486043.88	3859559.32	8.21E-03	8.24E-03	8.52E-03	2.84E-06	8.58E-06	4.96E-06	4.96E-06	4.52E-06	2.06E-06	2.13E-06	0.00E+00	0.00E+00	9.13E-07	1.69E-07	1.07E-06	1.66E-07	1.65E-07	2.49E-06
5911	485949.35	3859463.54	8.25E-03	8.29E-03	8.56E-03	2.86E-06	8.62E-06	4.99E-06	4.99E-06	4.55E-06	2.08E-06	2.14E-06	0.00E+00	0.00E+00	9.18E-07	1.69E-07	1.08E-06	1.67E-07	1.66E-07	2.50E-06
5912	485949.24	3859368.55	8.89E-03	8.93E-03	9.22E-03	3.08E-06	9.29E-06	5.38E-06	5.38E-06	4.90E-06	2.23E-06	2.31E-06	0.00E+00	0.00E+00	9.89E-07	1.83E-07	1.16E-06	1.79E-07	1.79E-07	2.69E-06
5913	485949.12	3859273.55	9.61E-03	9.65E-03	9.97E-03	3.33E-06	1.00E-05	5.81E-06	5.81E-06	5.29E-06	2.42E-06	2.50E-06	0.00E+00	0.00E+00	1.07E-06	1.97E-07	1.26E-06	1.94E-07	1.93E-07	2.91E-06
5914	485949.01	3859178.56	1.04E-02	1.04E-02	1.08E-02	3.60E-06	1.09E-05	6.29E-06	6.29E-06	5.73E-06	2.61E-06	2.70E-06	0.00E+00	0.00E+00	1.16E-06	2.13E-07	1.36E-06	2.10E-07	2.09E-07	3.15E-06
5915	485948.9	3859083.56	1.12E-02	1.13E-02	1.17E-02	3.89E-06	1.17E-05	6.80E-06	6.80E-06	6.19E-06	2.83E-06	2.92E-06	0.00E+00	0.00E+00	1.25E-06	2.31E-07	1.47E-06	2.27E-07	2.26E-07	3.41E-06
5916	485948.79	3858988.56	1.20E-02	1.21E-02	1.25E-02	4.15E-06	1.25E-05	7.26E-06	7.26E-06	6.61E-06	3.02E-06	3.12E-06	0.00E+00	0.00E+00	1.34E-06	2.46E-07	1.57E-06	2.42E-07	2.42E-07	3.64E-06
5917	485948.67	3858893.57	1.26E-02	1.27E-02	1.31E-02	4.36E-06	1.32E-05	7.62E-06	7.62E-06	6.94E-06	3.17E-06	3.27E-06	0.00E+00	0.00E+00	1.40E-06	2.59E-07	1.65E-06	2.54E-07	2.54E-07	3.82E-06
5918	485948.56	3858798.57	1.30E-02	1.30E-02	1.35E-02	4.49E-06	1.36E-05	7.85E-06	7.85E-06	7.15E-06	3.26E-06	3.37E-06	0.00E+00	0.00E+00	1.44E-06	2.66E-07	1.70E-06	2.62E-07	2.61E-07	3.93E-06
5919	485948.45	3858703.58	1.32E-02	1.33E-02	1.37E-02	4.58E-06	1.38E-05	8.00E-06	8.00E-06	7.29E-06	3.32E-06	3.43E-06	0.00E+00	0.00E+00	1.47E-06	2.71E-07	1.73E-06	2.67E-07	2.66E-07	4.01E-06
5920	485948.34	3858608.58	1.35E-02	1.35E-02	1.40E-02	4.66E-06	1.41E-05	8.15E-06	8.15E-06	7.43E-06	3.39E-06	3.50E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.77E-06	2.72E-07	2.71E-07	4.08E-06
5921	485948.22	3858513.59	1.38E-02	1.38E-02	1.43E-02	4.77E-06	1.44E-05	8.33E-06	8.33E-06	7.60E-06	3.47E-06	3.57E-06	0.00E+00	0.00E+00	1.53E-06	2.83E-07	1.80E-06	2.78E-07	2.76E-07	4.18E-06
5922	485948.11	3858418.59	1.42E-02	1.43E-02	1.47E-02	4.91E-06	1.48E-05	8.58E-06	8.58E-06	7.82E-06	3.57E-06	3.67E-06	0.00E+00	0.00E+00	1.58E-06	2.91E-07	1.86E-06	2.86E-07	2.84E-07	4.30E-06
5923	485948	3858323.59	1.47E-02	1.48E-02	1.52E-02	5.08E-06	1.53E-05	8.88E-06	8.88E-06	8.09E-06	3.69E-06	3.80E-06	0.00E+00	0.00E+00	1.63E-06	3.01E-07	1.92E-06	2.97E-07	2.94E-07	4.45E-06
5924	485947.89	3858228.6	1.52E-02	1.53E-02	1.57E-02	5.26E-06	1.59E-05	9.20E-06	9.20E-06	8.39E-06	3.83E-06	3.93E-06	0.00E+00	0.00E+00	1.69E-06	3.12E-07	1.99E-06	3.08E-07	3.04E-07	4.61E-06
5925	485947.77	3858133.6	1.57E-02	1.58E-02	1.62E-02	5.45E-06	1.65E-05	9.52E-06	9.52E-06	8.69E-06	3.96E-06	4.07E-06	0.00E+00	0.00E+00	1.75E-06	3.23E-07	2.06E-06	3.18E-07	3.15E-07	4.77E-06
5926	485947.66	3858038.61	1.64E-02	1.65E-02	1.69E-02	5.67E-06	1.71E-05	9.91E-06	9.91E-06	9.05E-06	4.13E-06	4.23E-06	0.00E+00	0.00E+00	1.82E-06	3.36E-07	2.15E-06	3.32E-07	3.27E-07	4.97E-06
5927	485854.54	3857943.35	1.60E-02	1.61E-02	1.64E-02	5.53E-06	1.67E-05	9.67E-06	9.67E-06	8.83E-06	4.03E-06	4.11E-06	0.00E+00	0.00E+00	1.78E-06	3.28E-07	2.10E-06	3.24E-07	3.19E-07	4.85E-06
5928	485761.52	3857943.09	1.46E-02	1.47E-02	1.50E-02	5.05E-06	1.52E-05	8.82E-06	8.82E-06	8.06E-06	3.68E-06	3.75E-06	0.00E+00	0.00E+00	1.62E-06	2.99E-07	1.92E-06	2.95E-07	2.90E-07	4.42E-06
5929	485668.51	3857942.83	1.35E-02	1.36E-02	1.38E-02	4.67E-06	1.41E-05	8.17E-06	8.17E-06	7.46E-06	3.41E-06	3.46E-06	0.00E+00	0.00E+00	1.50E-06	2.77E-07	1.77E-06	2.74E-07	2.68E-07	4.09E-06
5930	485575.5	3857942.56	1.26E-02	1.27E-02	1.29E-02	4.37E-06	1.32E-05	7.65E-06	7.65E-06	6.99E-06	3.19E-06	3.24E-06	0.00E+00	0.00E+00	1.41E-06	2.60E-07	1.66E-06	2.56E-07	2.51E-07	3.83E-06
5931	485482.48	3857942.3	1.19E-02	1.20E-02	1.22E-02	4.12E-06	1.24E-05	7.20E-06	7.20E-06	6.59E-06	3.01E-06	3.05E-06	0.00E+00	0.00E+00	1.33E-06	2.45E-07	1.57E-06	2.41E-07	2.36E-07	3.61E-06
5932	485389.47	3857942.04	1.13E-02	1.14E-02	1.15E-02	3.90E-06	1.18E-05	6.83E-06	6.83E-06	6.25E-06	2.85E-06	2.88E-06	0.00E+00	0.00E+00	1.26E-06	2.32E-07	1.48E-06	2.29E-07	2.23E-07	3.42E-06
5933	485296.46	3857941.78	1.07E-02	1.08E-02	1.09E-02	3.71E-06	1.12E-05	6.49E-06	6.49E-06	5.94E-06	2.71E-06	2.74E-06	0.00E+00	0.00E+00	1.19E-06	2.20E-07	1.41E-06	2.18E-07	2.12E-07	3.26E-06
5934	485203.45	3857941.52	1.02E-02	1.03E-02	1.04E-02	3.54E-06	1.07E-05	6.19E-06	6.19E-06	5.67E-06	2.59E-06	2.61E-06	0.00E+00	0.00E+00	1.14E-06	2.10E-07	1.35E-06	2.08E-07	2.02E-07	3.11E-06
5935	485110.43	3857941.26	9.81E-03	9.91E-03	9.99E-03	3.39E-06	1.03E-05	5.93E-06	5.93E-06	5.43E-06	2.48E-06	2.50E-06	0.00E+00	0.00E+00	1.09E-06	2.01E-07	1.29E-06	1.99E-07	1.94E-07	2.98E-06
5936	485017.42	3857940.99	9.42E-03	9.52E-03	9.58E-03	3.26E-06	9.84E-06	5.70E-06	5.70E-06	5.22E-06	2.38E-06	2.40E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.24E-06	1.91E-07	1.86E-07	2.86E-06
5937	484924.41	3857940.73	9.05E-03	9.15E-03	9.20E-03	3.13E-06	9.46E-06	5.48E-06	5.48E-06	5.02E-06	2.29E-06	2.30E-06	0.00E+00	0.00E+00	1.01E-06	1.86E-07	1.19E-06	1.84E-07	1.78E-07	2.75E-06
5938	484831.39	3857940.47	8.70E-03	8.79E-03	8.84E-03	3.01E-06	9.09E-06	5.26E-06	5.26E-06	4.82E-06	2.20E-06	2.21E-06	0.00E+00	0.00E+00	9.68E-07	1.79E-07	1.15E-06	1.77E-07	1.71E-07	2.64E-06
5939	484738.12	3857859.3	9.07E-03	9.17E-03	9.22E-03	3.14E-06	9.48E-06	5.49E-06	5.49E-06	5.03E-06	2.29E-06	2.31E-06	0.00E+00	0.00E+00	1.01E-06	1.86E-07	1.19E-06	1.84E-07	1.79E-07	2.75E-06
5940	484737.85	3857778.4	9.96E-03	1.01E-02	1.01E-02	3.45E-06	1.04E-05	6.03E-06	6.03E-06	5.52E-06	2.52E-06	2.54E-06	0.00E+00	0.00E+00	1.11E-06	2.05E-07	1.31E-06	2.02E-07	1.97E-07	3.02E-06
5941	484737.59	3857697.49	1.11E-02	1.12E-02	1.13E-02	3.85E-06	1.16E-05	6.73E-06	6.73E-06	6.16E-06	2.81E-06	2.84E-06	0.00E+00	0.00E+00	1.24E-06	2.28E-07	1.46E-06	2.26E-07	2.20E-07	3.38E-06
5942	484737.32	3857616.59	1.27E-02	1.28E-02	1.30E-02	4.40E-06	1.33E-05	7.69E-06	7.69E-06	7.03E-06	3.21E-06	3.25E-06	0.00E+00	0.00E+00	1.41E-06	2.61E-07	1.67E-06	2.58E-07	2.52E-07	3.86E-06
5943	484645.53	3857535.18	1.40E-02	1.41E-02	1.43E-02	4.83E-06	1.46E-05	8.45E-06	8.45E-06	7.72E-06	3.52E-06	3.58E-06	0.00E+00	0.00E+00	1.55E-06	2.87E-07	1.83E-06	2.83E-07	2.77E-07	4.24E-06
5944	484553.99	3857534.67	1.31E-02	1.32E-02	1.34E-02	4.54E-06	1.37E-05	7.94E-06	7.94E-06	7.26E-06	3.31E-06	3.36E-06	0.00E+00	0.00E+00	1.46E-06	2.69E-07	1.72E-06	2.66E-07	2.60E-07	3.98E-06
5945	484462.46	3857534.17	1.24E-02	1.25E-02	1.27E-02	4.28E-06	1.29E-05	7.48E-06	7.48E-06	6.84E-06	3.12E-06	3.17E-06	0.00E+00	0.00E+00	1.38E-06	2.54E-07	1.63E-06	2.51E-07	2.45E-07	3.75E-06
5946	484370.93	3857533.66	1.17E-02	1.18E-02	1.20E-02	4.05E-06	1.22E-05	7.08E-06	7.08E-06	6.48E-06	2.96E-06	3.00E-06	0.00E+00	0.00E+00	1.30E-06	2.40E-07	1.54E-06	2.37E-07	2.32E-07	3.55E-06
5947	484279.4	3857533.16	1.11E-02	1.12E-02	1.13E-02	3.83E-06	1.16E-05	6.70E-06	6.70E-06	6.13E-06	2.80E-06	2.83E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.46E-06	2.25E-07	2.19E-07	3.36E-06
5948	484187.86	3857532.65	1.05E-02	1.06E-02	1.07E-02	3.63E-06	1.10E-05	6.35E-06	6.35E-06	5.81E-06	2.65E-06	2.68E-06	0.00E+00	0.00E+00	1.17E-06	2.16E-07	1.38E-06	2.13E-07	2.08E-07	3.19E-06
5949	484096.33	3857532.15	9.86E-03	9.96E-03	1.01E-02	3.41E-06	1.03E-05	5.97E-06	5.97E-06	5.46E-06	2.49E-06	2.52E-06	0.00E+00	0.00E+00	1.10E-06	2.03E-07	1.30E-06	2.00E-07	1.95E-07	2.99E-06
5950	484004.8	3857531.64	9.39E-03	9.48E-03	9.58E-03	3.25E-06	9.81E-06	5.68E-06	5.68E-06	5.20E-06	2.37E-06	2.40E-06	0.00E+00	0.00E+00	1.05E-06	1.93E-07	1.24E-06	1.91E-07	1.86E-07	2.85E-06
5951	483913.27	3857531.14	9.02E-03	9.11E-03	9.20E-03	3.12E-06	9.43E-06	5.46E-06	5.46E-06	5.00E-06	2.28E-06	2.30E-06	0.00E+00	0.00E+00	1.00E-06	1.85E-07	1.19E-06	1.83E-07	1.78E-07	2.74E-06
5952	483821.73	3857530.63	8.57E-03	8.65E-03	8.73E-03	2.97E-06	8.95E-06	5.18E-06	5.18E-06	4.75E-06	2.17E-06	2.18E-06	0.00E+00	0.00E+00	9.53E-07	1.76E-07	1.13E-06	1.74E-07	1.69E-07	2.60E-06
5953	483729.61	3857450.11	8.95E-03	9.04E-03	9.14E-03	3.10E-06	9.36E-06	5.42E-06	5.42E-06	4.96E-06	2.26E-06	2.29E-06	0.00E+00	0.00E+00	9.97E-07	1.84E-07	1.18E-06	1.82E-07	1.77E-07	2.72E-06
5954	483729.03	3857370.08	9.81E-03	9.90E-03	1.00E-02	3.40E-06	1.03E-05	5.93E-06	5.93E-06	5.43E-06	2.48E-06	2.51E-06	0.00E+00	0.00E+00	1.09E-06	2.01E-07	1.29E-06	1.99E-07	1.94E-07	2.98E-06
5955	483728.44	3857290.06	1.10E-02	1.11E-02	1.13E-02	3.81E-06	1.15E-05	6.65E-06	6.65E-06	6.08E-06	2.77E-06	2.82E-06	0.00E+00	0.00E+00	1.22E-06	2.26E-07	1.44E-06	2.23E-07	2.18E-07	3.34E-06
5956	483727.86	3857210.03	1.26E-02	1.27E-02	1.29E-02	4.35E-06	1.31E-05	7.60E-06	7.60E-06	6.94E-06	3.17E-06	3.23E-06	0.00E+00	0.00E+00	1.40E-06	2.58E-07	1.65E-06	2.54E-07	2.50E-07	3.81E-06
5957	483641.15	3857129.07	1.29E-02	1.30E-02	1.32E-02	4.45E-06	1.34E-05	7.78E-06	7.78E-06	7.11E-06	3.24E-06	3.31E-06	0.00E+00	0.00E+00	1.43E-06	2.64E-07	1.69E-06	2.60E-07	2.56E-07	3.90E-06
5958	483555.03	3857128.14	1.15E-02	1.16E-02	1.18E-02	3.99E-06	1.21E-05	6.98E-06	6.98E-06	6.38E-06	2.91E-06	2.96E-06	0.00E+00	0.00E+00	1.28E-06	2.37E-07	1.52E-06	2.34E-07	2.30E-07	3.50E-06
5959	483468.91	3857127.2	1.06E-02	1.07E-02	1.09E-02	3.67E-06	1.11E-05	6.42E-06	6.42E-06	5.87E-06	2.68E-06	2.72E-06	0.00E+00	0.00E+00	1.18E-06	2.18E-07	1.39E-06	2.15E-07	2.11E-07	3.22E-06
5960	483382.78	3857126.26	9.62E-03	9.71E-03	9.85E-03	3.33E-06	1.01E-05	5.82E-06	5.82E-06	5.33E-06	2.43E-06	2.47E-06	0.00E+00	0.00E+00	1.07E-06	1.98E-07	1.27E-06	1.95E-07	1.91E-07	2.92E-06
5961	483296.66	3857125.32	8.86E-03	8.94E-03	9.05E-03	3.07E-06	9.26E-06	5.36E-06	5.36E-06	4.90E-06	2.24E-06	2.27E-06	0.00E+00	0.00E+00	9.86E-07	1.82E-07	1.16E-06	1.80E-07	1.75E-07	2.69E-06
5962	483210.54	3857124.39	8.20E-03	8.28E-03	8.37E-03	2.84E-06	8.57E-06	4.96E-06	4.96E-06	4.54E-06	2.07E-06	2.10E-06	0.00E+00	0.00E+00	9.13E-07	1.68E-07	1.08E-06	1.66E-07	1.62E-07	2.49E-06
5963	483123.4	3857030.96	8.16E-03	8.24E-03	8.33E-03	2.82E-06	8.53E-06	4.94E-06	4.94E-06	4.52E-06	2.06E-06	2.09E-06	0.00E+00	0.00E+00	9.08E-07	1.68E-07	1.07E-06	1.66E-07	1.61E-07	2.48E-06
5964	483122.38	3856938.46	8.70E-03	8.78E-03	8.89E-03	3.01E-06	9.09E-06	5.26E-06	5.26E-06	4.82E-06	2.20E-06	2.23E-06	0.00E+00	0.00E+00	9.69E-07	1.79E-07	1.14E-06	1.76E-07	1.72E-07	2.64E-06
5965	483121.35	3856845.97	9.21E-03	9.30E-03	9.42E-03	3.19E-06	9.63E-06	5.57E-06	5.57E-06	5.10E-06	2.33E-06	2.36E-06	0.00E+00	0.00E+00	1.03E-06	1.89E-07	1.21E-06	1.87E-07	1.83E-07	2.80E-06
5966	483120.33	3856753.47	9.89E-03	9.98E-03	1.01E-02	3.42E-06	1.03E-05	5.99E-06	5.99E-06	5.47E-06	2.50E-06	2.54E-06	0.00E+00	0.00E+00	1.10E-06	2.03E-07	1.30E-06	2.01E-07	1.96E-07	3.00E-06
5967	483119.31	3856660.98	1.05E-02	1.06E-02	1.08E-02	3.65E-06	1.10E-05	6.37E-06	6.37E-06	5.83E-06	2.66E-06	2.70E-06	0.00E+00	0.00E+00	1.17E-06	2.16E-07	1.38E-06	2.13E-07	2.09E-07	3.20E-06
5968	483118.29	3856568.49	1.10E-02	1.11E-02	1.13E-02	3.81E-06	1.15E-05	6.66E-06	6.66E-06	6.09E-06	2.78E-06	2.83E-06	0.00E+00	0.00E+00	1.23E-06	2.26E-07	1.45E-06	2.23E-07	2.19E-07	3.34E-06
5969	483117.26	3856475.99	1.13E-02	1.14E-02	1.16E-02	3.93E-06	1.19E-05	6.86E-06	6.86E-06	6.27E-06	2.86E-06	2.91E-06	0.00E+00	0.00E+00	1.26E-06	2.33E-07	1.49E-06	2.30E-07	2.26E-07	3.44E-06
5970	483116.24	3856383.5	1.18E-02	1.19E-02	1.21E-02	4.07E-06	1.23E-05	7.12E-06	7.12E-06	6.51E-06	2.97E-06	3.02E-06	0.00E+00	0.00E+00	1.31E-06	2.42E-07	1.55E-06	2.38E-07	2.34E-07	3.57E-06
5971	483115.22	3856291.01	1.22E-02	1.23E-02	1.25E-02	4.22E-06	1.27E-05	7.37E-06	7.37E-06	6.73E-06	3.07E-06	3.13E-06	0.00E+00	0.00E+00	1.36E-06	2.50E-07	1.60E-06	2.47E-07	2.42E-07	3.70E-06
5972	483114.2	3856198.51	1.28E-02	1.29E-02	1.32E-02	4.44E-06	1.34E-05	7.76E-06	7.76E-06	7.09E-06	3.23E-06	3.30E-06	0.00E+00	0.00E+00	1.43E-06	2.63E-07	1.68E-06	2.60E-07	2.55E-07	3.89E-06
5973	483113.17	3856106.02	1.30E-02	1.31E-02	1.34E-02	4.51E-06	1.36E-05	7.89E-06	7.89E-06	7.20E-06	3.29E-06	3.35E-06	0.00E+00	0.00E+00	1.45E-06	2.68E-07	1.71E-06	2.64E-07	2.59E-07	3.95E-06
5974	483112.15	3856013.52	1.38E-02	1.40E-02	1.42E-02	4.79E-06	1.45E-05	8.38E-06	8.38E-06	7.65E-06	3.49E-06	3.57E-06	0.00E+00	0.00E+00	1.54E-06	2.84E-07	1.82E-06	2.80E-07	2.76E-07	4.20E-06
5975	483029.25	3855920.47	1.26E-02	1.27E-02	1.29E-02	4.36E-06	1.32E-05	7.62E-06	7.62E-06	6.96E-06	3.18E-06	3.24E-06	0.00E+00	0.00E+00	1.40E-06	2.59E-07	1.65E-06	2.55E-07	2.51E-07	3.82E-06
5976	482947.37	3855919.91	1.10E-02	1.11E-02	1.13E-02	3.82E-06	1.15E-05	6.68E-06	6.68E-06	6.11E-06	2.79E-06	2.83E-06	0.00E+00	0.00E+00	1.23E-06	2.27E-07	1.45E-06	2.24E-07	2.19E-07	3.35E-06
5977	482865.49	3855919.36	9.96E-03	1.00E-02	1.02E-02	3.45E-06	1.04E-05	6.02E-06	6.02E-06	5.51E-06	2.51E-06	2.55E-06	0.00E+00	0.00E+00	1.11E-06	2.04E-07	1.31E-06	2.02E-07	1.97E-07	3.02E-06
5978	482783.61	3855918.8	8.90E-03	8.98E-03	9.08E-03	3.08E-06	9.30E-06	5.38E-06	5.38E-06	4.93E-06	2.25E-06	2.27E-06	0.00E+00	0.00E+00	9.90E-07	1.83E-07	1.17E-06	1.80E-07	1.76E-07	2.70E-06

5979	482700.33	3855818.39	8.56E-03	8.64E-03	8.74E-03	2.96E-06	8.94E-06	5.18E-06	5.18E-06	4.74E-06	2.16E-06	2.19E-06	0.00E+00	0.00E+00	9.53E-07	1.76E-07	1.13E-06	1.74E-07	1.69E-07	2.60E-06
5980	482698.92	3855718.54	9.07E-03	9.15E-03	9.29E-03	3.14E-06	9.48E-06	5.49E-06	5.49E-06	5.02E-06	2.29E-06	2.32E-06	0.00E+00	0.00E+00	1.01E-06	1.86E-07	1.19E-06	1.84E-07	1.80E-07	2.75E-06
5981	482697.52	3855618.68	9.78E-03	9.86E-03	1.00E-02	3.39E-06	1.02E-05	5.92E-06	5.92E-06	5.41E-06	2.47E-06	2.51E-06	0.00E+00	0.00E+00	1.09E-06	2.01E-07	1.29E-06	1.98E-07	1.95E-07	2.97E-06
5982	482696.11	3855518.83	9.51E-03	9.59E-03	9.75E-03	3.29E-06	9.94E-06	5.75E-06	5.75E-06	5.26E-06	2.40E-06	2.44E-06	0.00E+00	0.00E+00	1.06E-06	1.95E-07	1.25E-06	1.93E-07	1.89E-07	2.89E-06
5983	482694.71	3855418.98	9.29E-03	9.37E-03	9.52E-03	3.22E-06	9.71E-06	5.62E-06	5.62E-06	5.14E-06	2.35E-06	2.38E-06	0.00E+00	0.00E+00	1.03E-06	1.91E-07	1.22E-06	1.88E-07	1.85E-07	2.82E-06
5984	482693.3	3855319.13	8.76E-03	8.84E-03	8.97E-03	3.03E-06	9.16E-06	5.30E-06	5.30E-06	4.85E-06	2.21E-06	2.25E-06	0.00E+00	0.00E+00	9.75E-07	1.80E-07	1.15E-06	1.78E-07	1.74E-07	2.66E-06
5985	482691.9	3855219.27	7.81E-03	7.88E-03	7.97E-03	2.70E-06	8.16E-06	4.72E-06	4.72E-06	4.32E-06	1.97E-06	1.99E-06	0.00E+00	0.00E+00	8.69E-07	1.60E-07	1.03E-06	1.58E-07	1.54E-07	2.37E-06
5986	482690.49	3855119.42	7.25E-03	7.33E-03	7.39E-03	2.51E-06	7.58E-06	4.39E-06	4.39E-06	4.02E-06	1.83E-06	1.85E-06	0.00E+00	0.00E+00	8.08E-07	1.49E-07	9.55E-07	1.47E-07	1.43E-07	2.20E-06
5987	482689.09	3855019.57	6.05E-03	6.12E-03	6.12E-03	2.09E-06	6.32E-06	3.66E-06	3.66E-06	3.36E-06	1.53E-06	1.53E-06	0.00E+00	0.00E+00	6.74E-07	1.24E-07	7.98E-07	1.23E-07	1.19E-07	1.84E-06
5988	482687.68	3854919.72	4.72E-03	4.79E-03	4.73E-03	1.63E-06	4.93E-06	2.86E-06	2.86E-06	2.63E-06	1.20E-06	1.18E-06	0.00E+00	0.00E+00	5.25E-07	9.69E-08	6.24E-07	9.62E-08	9.16E-08	1.43E-06
5989	482686.28	3854819.86	3.53E-03	3.59E-03	3.48E-03	1.22E-06	3.68E-06	2.13E-06	2.13E-06	1.97E-06	8.99E-07	8.70E-07	0.00E+00	0.00E+00	3.92E-07	7.24E-08	4.68E-07	7.22E-08	6.74E-08	1.07E-06
5990	482684.88	3854720.01	2.90E-03	2.97E-03	2.84E-03	1.01E-06	3.04E-06	1.76E-06	1.76E-06	1.63E-06	7.42E-07	7.10E-07	0.00E+00	0.00E+00	3.23E-07	5.96E-08	3.87E-07	5.96E-08	5.50E-08	8.84E-07
5991	482683.47	3854620.16	2.43E-03	2.49E-03	2.35E-03	8.40E-07	2.54E-06	1.47E-06	1.47E-06	1.36E-06	6.22E-07	5.87E-07	0.00E+00	0.00E+00	2.70E-07	4.99E-08	3.24E-07	5.00E-08	4.55E-08	7.40E-07
5992	482682.07	3854520.31	2.14E-03	2.19E-03	2.05E-03	7.40E-07	2.24E-06	1.29E-06	1.29E-06	1.20E-06	5.49E-07	5.14E-07	0.00E+00	0.00E+00	2.38E-07	4.39E-08	2.86E-07	4.41E-08	3.98E-08	6.52E-07
5993	482680.66	3854420.45	1.93E-03	1.99E-03	1.85E-03	6.69E-07	2.02E-06	1.17E-06	1.17E-06	1.09E-06	4.97E-07	4.62E-07	0.00E+00	0.00E+00	2.15E-07	3.97E-08	2.59E-07	3.99E-08	3.58E-08	5.89E-07
5994	482679.26	3854320.6	1.78E-03	1.83E-03	1.69E-03	6.15E-07	1.86E-06	1.07E-06	1.07E-06	1.00E-06	4.57E-07	4.23E-07	0.00E+00	0.00E+00	1.98E-07	3.65E-08	2.38E-07	3.67E-08	3.28E-08	5.42E-07
5995	482677.85	3854220.75	1.60E-03	1.65E-03	1.51E-03	5.54E-07	1.67E-06	9.69E-07	9.69E-07	9.05E-07	4.13E-07	3.79E-07	0.00E+00	0.00E+00	1.78E-07	3.29E-08	2.15E-07	3.32E-08	2.93E-08	4.89E-07
5996	482676.45	3854120.9	1.52E-03	1.57E-03	1.44E-03	5.27E-07	1.59E-06	9.22E-07	9.22E-07	8.61E-07	3.93E-07	3.61E-07	0.00E+00	0.00E+00	1.70E-07	3.13E-08	2.05E-07	3.15E-08	2.79E-08	4.65E-07
5997	482675.04	3854021.04	1.43E-03	1.48E-03	1.36E-03	4.97E-07	1.50E-06	8.68E-07	8.68E-07	8.10E-07	3.70E-07	3.40E-07	0.00E+00	0.00E+00	1.60E-07	2.95E-08	1.93E-07	2.97E-08	2.63E-08	4.38E-07
5998	482673.64	3853921.19	1.35E-03	1.39E-03	1.28E-03	4.68E-07	1.41E-06	8.18E-07	8.18E-07	7.63E-07	3.48E-07	3.21E-07	0.00E+00	0.00E+00	1.50E-07	2.78E-08	1.81E-07	2.80E-08	2.49E-08	4.12E-07
5999	482672.23	3853821.34	1.26E-03	1.30E-03	1.20E-03	4.36E-07	1.32E-06	7.63E-07	7.63E-07	7.12E-07	3.25E-07	3.00E-07	0.00E+00	0.00E+00	1.40E-07	2.59E-08	1.69E-07	2.61E-08	2.32E-08	3.85E-07
6000	482670.83	3853721.49	1.18E-03	1.21E-03	1.12E-03	4.08E-07	1.23E-06	7.13E-07	7.13E-07	6.65E-07	3.03E-07	2.81E-07	0.00E+00	0.00E+00	1.31E-07	2.42E-08	1.58E-07	2.44E-08	2.17E-08	3.60E-07
6001	482669.42	3853621.63	1.11E-03	1.14E-03	1.06E-03	3.85E-07	1.16E-06	6.74E-07	6.74E-07	6.28E-07	2.87E-07	2.66E-07	0.00E+00	0.00E+00	1.24E-07	2.29E-08	1.49E-07	2.30E-08	2.06E-08	3.40E-07
6002	482645.99	3853446.13	1.02E-03	1.05E-03	9.67E-04	3.52E-07	1.06E-06	6.16E-07	6.16E-07	5.74E-07	2.62E-07	2.42E-07	0.00E+00	0.00E+00	1.13E-07	2.09E-08	1.36E-07	2.10E-08	1.87E-08	3.10E-07
6003	482623.97	3853370.49	9.84E-04	1.01E-03	9.33E-04	3.41E-07	1.03E-06	5.96E-07	5.96E-07	5.56E-07	2.54E-07	2.34E-07	0.00E+00	0.00E+00	1.10E-07	2.02E-08	1.32E-07	2.04E-08	1.81E-08	3.00E-07
6004	482601.94	3853294.84	9.54E-04	9.83E-04	9.02E-04	3.30E-07	9.97E-07	5.77E-07	5.77E-07	5.39E-07	2.46E-07	2.26E-07	0.00E+00	0.00E+00	1.06E-07	1.96E-08	1.28E-07	1.97E-08	1.75E-08	2.91E-07
6005	482531.29	3853133.44	8.91E-04	9.19E-04	8.37E-04	3.08E-07	9.31E-07	5.39E-07	5.39E-07	5.04E-07	2.30E-07	2.09E-07	0.00E+00	0.00E+00	9.92E-08	1.83E-08	1.20E-07	1.85E-08	1.62E-08	2.72E-07
6006	482482.68	3853047.69	8.57E-04	8.85E-04	8.02E-04	2.96E-07	8.95E-07	5.18E-07	5.18E-07	4.85E-07	2.21E-07	2.01E-07	0.00E+00	0.00E+00	9.53E-08	1.76E-08	1.15E-07	1.78E-08	1.55E-08	2.62E-07
6007	482383.09	3852897.4	8.06E-04	8.33E-04	7.53E-04	2.79E-07	8.43E-07	4.88E-07	4.88E-07	4.57E-07	2.09E-07	1.88E-07	0.00E+00	0.00E+00	8.98E-08	1.66E-08	1.09E-07	1.67E-08	1.46E-08	2.46E-07
6008	482265.64	3852765.26	7.63E-04	7.88E-04	7.12E-04	2.64E-07	7.97E-07	4.61E-07	4.61E-07	4.32E-07	1.97E-07	1.78E-07	0.00E+00	0.00E+00	8.49E-08	1.57E-08	1.03E-07	1.58E-08	1.38E-08	2.33E-07
6009	482199.16	3852697.66	7.42E-04	7.66E-04	6.92E-04	2.57E-07	7.75E-07	4.49E-07	4.49E-07	4.20E-07	1.92E-07	1.73E-07	0.00E+00	0.00E+00	8.25E-08	1.52E-08	9.99E-08	1.54E-08	1.34E-08	2.26E-07
6010	482132.69	3852630.07	7.21E-04	7.45E-04	6.73E-04	2.50E-07	7.54E-07	4.36E-07	4.36E-07	4.09E-07	1.86E-07	1.69E-07	0.00E+00	0.00E+00	8.03E-08	1.48E-08	9.71E-08	1.50E-08	1.31E-08	2.20E-07
6011	482066.21	3852562.48	7.02E-04	7.26E-04	6.56E-04	2.43E-07	7.34E-07	4.25E-07	4.25E-07	3.98E-07	1.82E-07	1.64E-07	0.00E+00	0.00E+00	7.82E-08	1.44E-08	9.46E-08	1.46E-08	1.27E-08	2.14E-07
6012	481999.74	3852494.89	6.86E-04	7.08E-04	6.41E-04	2.37E-07	7.17E-07	4.15E-07	4.15E-07	3.89E-07	1.77E-07	1.60E-07	0.00E+00	0.00E+00	7.63E-08	1.41E-08	9.23E-08	1.42E-08	1.24E-08	2.09E-07
6013	481933.26	3852427.29	6.71E-04	6.93E-04	6.27E-04	2.32E-07	7.01E-07	4.06E-07	4.06E-07	3.80E-07	1.73E-07	1.57E-07	0.00E+00	0.00E+00	7.46E-08	1.38E-08	9.03E-08	1.39E-08	1.22E-08	2.05E-07
6014	481866.79	3852359.7	6.55E-04	6.76E-04	6.13E-04	2.27E-07	6.84E-07	3.96E-07	3.96E-07	3.71E-07	1.69E-07	1.53E-07	0.00E+00	0.00E+00	7.29E-08	1.34E-08	8.81E-08	1.36E-08	1.19E-08	2.00E-07
6015	481800.31	3852292.11	6.39E-04	6.60E-04	5.99E-04	2.21E-07	6.68E-07	3.87E-07	3.87E-07	3.62E-07	1.65E-07	1.50E-07	0.00E+00	0.00E+00	7.12E-08	1.31E-08	8.61E-08	1.33E-08	1.16E-08	1.95E-07
6016	481733.84	3852224.52	6.26E-04	6.46E-04	5.86E-04	2.17E-07	6.54E-07	3.79E-07	3.79E-07	3.55E-07	1.62E-07	1.47E-07	0.00E+00	0.00E+00	6.97E-08	1.29E-08	8.42E-08	1.30E-08	1.14E-08	1.91E-07
6017	481667.36	3852156.92	6.12E-04	6.32E-04	5.73E-04	2.12E-07	6.39E-07	3.70E-07	3.70E-07	3.46E-07	1.58E-07	1.43E-07	0.00E+00	0.00E+00	6.81E-08	1.26E-08	8.23E-08	1.27E-08	1.11E-08	1.87E-07
6018	481600.89	3852089.33	6.02E-04	6.22E-04	5.65E-04	2.08E-07	6.29E-07	3.64E-07	3.64E-07	3.41E-07	1.56E-07	1.41E-07	0.00E+00	0.00E+00	6.70E-08	1.24E-08	8.10E-08	1.25E-08	1.09E-08	1.84E-07
6019	481534.41	3852021.74	5.94E-04	6.13E-04	5.58E-04	2.06E-07	6.21E-07	3.60E-07	3.60E-07	3.36E-07	1.53E-07	1.40E-07	0.00E+00	0.00E+00	6.62E-08	1.22E-08	7.99E-08	1.23E-08	1.08E-08	1.81E-07
6020	481467.94	3851954.15	5.86E-04	6.04E-04	5.51E-04	2.03E-07	6.12E-07	3.54E-07	3.54E-07	3.31E-07	1.51E-07	1.38E-07	0.00E+00	0.00E+00	6.52E-08	1.20E-08	7.87E-08	1.21E-08	1.07E-08	1.79E-07
6021	481401.46	3851886.55	5.75E-04	5.93E-04	5.42E-04	1.99E-07	6.01E-07	3.48E-07	3.48E-07	3.25E-07	1.48E-07	1.36E-07	0.00E+00	0.00E+00	6.40E-08	1.18E-08	7.73E-08	1.19E-08	1.05E-08	1.76E-07
6022	481265.87	3851761.43	5.60E-04	5.77E-04	5.29E-04	1.94E-07	5.85E-07	3.39E-07	3.39E-07	3.17E-07	1.44E-07	1.32E-07	0.00E+00	0.00E+00	6.24E-08	1.15E-08	7.52E-08	1.16E-08	1.03E-08	1.71E-07
6023	481196.74	3851703.89	5.52E-04	5.69E-04	5.22E-04	1.91E-07	5.77E-07	3.34E-07	3.34E-07	3.12E-07	1.42E-07	1.31E-07	0.00E+00	0.00E+00	6.14E-08	1.13E-08	7.41E-08	1.14E-08	1.01E-08	1.68E-07
6024	481076.33	3851619.05	5.40E-04	5.56E-04	5.12E-04	1.87E-07	5.65E-07	3.27E-07	3.27E-07	3.05E-07	1.39E-07	1.28E-07	0.00E+00	0.00E+00	6.01E-08	1.11E-08	7.25E-08	1.12E-08	9.93E-09	1.65E-07
6025	480939.8	3851549.07	5.27E-04	5.42E-04	5.01E-04	1.82E-07	5.51E-07	3.19E-07	3.19E-07	2.97E-07	1.36E-07	1.26E-07	0.00E+00	0.00E+00	5.86E-08	1.08E-08	7.06E-08	1.09E-08	9.72E-09	1.61E-07
6026	480854.56	3851506.41	5.18E-04	5.32E-04	4.95E-04	1.79E-07	5.42E-07	3.14E-07	3.14E-07	2.92E-07	1.33E-07	1.24E-07	0.00E+00	0.00E+00	5.77E-08	1.06E-08	6.94E-08	1.07E-08	9.58E-09	1.58E-07
6027	480769.32	3851463.75	5.09E-04	5.22E-04	4.87E-04	1.76E-07	5.32E-07	3.08E-07	3.08E-07	2.87E-07	1.31E-07	1.22E-07	0.00E+00	0.00E+00	5.66E-08	1.04E-08	6.81E-08	1.05E-08	9.43E-09	1.55E-07
6028	480684.08	3851421.08	5.00E-04	5.13E-04	4.79E-04	1.73E-07	5.22E-07	3.02E-07	3.02E-07	2.81E-07	1.28E-07	1.20E-07	0.00E+00	0.00E+00	5.56E-08	1.03E-08	6.68E-08	1.03E-08	9.28E-09	1.52E-07
6029	480598.84	3851378.42	4.93E-04	5.06E-04	4.74E-04	1.71E-07	5.16E-07	2.99E-07	2.99E-07	2.78E-07	1.27E-07	1.19E-07	0.00E+00	0.00E+00	5.49E-08	1.01E-08	6.60E-08	1.02E-08	9.19E-09	1.50E-07
6030	480435.71	3851275.01	4.78E-04	4.90E-04	4.61E-04	1.65E-07	5.00E-07	2.89E-07	2.89E-07	2.69E-07	1.23E-07	1.15E-07	0.00E+00	0.00E+00	5.32E-08	9.82E-09	6.38E-08	9.85E-09	8.94E-09	1.46E-07
6031	480347.85	3851232.36	4.72E-04	4.84E-04	4.57E-04	1.63E-07	4.94E-07	2.86E-07	2.86E-07	2.65E-07	1.21E-07	1.14E-07	0.00E+00	0.00E+00	5.26E-08	9.70E-09	6.30E-08	9.72E-09	8.85E-09	1.44E-07
6032	480260	3851189.72	4.67E-04	4.78E-04	4.52E-04	1.62E-07	4.88E-07	2.82E-07	2.82E-07	2.62E-07	1.20E-07	1.13E-07	0.00E+00	0.00E+00	5.20E-08	9.59E-09	6.23E-08	9.60E-09	8.76E-09	1.42E-07
6033	480172.15	3851147.07	4.61E-04	4.71E-04	4.47E-04	1.60E-07	4.82E-07	2.79E-07	2.79E-07	2.59E-07	1.18E-07	1.12E-07	0.00E+00	0.00E+00	5.13E-08	9.46E-09	6.14E-08	9.47E-09	8.67E-09	1.40E-07
6034	480084.29	3851104.42	4.54E-04	4.65E-04	4.42E-04	1.57E-07	4.75E-07	2.75E-07	2.75E-07	2.55E-07	1.16E-07	1.11E-07	0.00E+00	0.00E+00	5.06E-08	9.33E-09	6.06E-08	9.34E-09	8.57E-09	1.38E-07
6035	479996.44	3851061.77	4.48E-04	4.58E-04	4.36E-04	1.55E-07	4.68E-07	2.71E-07	2.71E-07	2.51E-07	1.15E-07	1.09E-07	0.00E+00	0.00E+00	4.98E-08	9.19E-09	5.96E-08	9.20E-09	8.45E-09	1.36E-07
6036	479908.58	3851019.13	4.35E-04	4.44E-04	4.23E-04	1.50E-07	4.54E-07	2.63E-07	2.63E-07	2.44E-07	1.11E-07	1.06E-07	0.00E+00	0.00E+00	4.84E-08	8.93E-09	5.79E-08	8.93E-09	8.20E-09	1.32E-07
6037	479820.73	3850976.48	4.29E-04	4.38E-04	4.19E-04	1.49E-07	4.49E-07	2.60E-07	2.60E-07	2.41E-07	1.10E-07	1.05E-07	0.00E+00	0.00E+00	4.78E-08	8.81E-09	5.71E-08	8.81E-09	8.11E-09	1.31E-07
6038	479732.88	3850933.83	4.25E-04	4.34E-04	4.15E-04	1.47E-07	4.44E-07	2.57E-07	2.57E-07	2.38E-07	1.09E-07	1.04E-07	0.00E+00	0.00E+00	4.73E-08	8.72E-09	5.65E-08	8.72E-09	8.04E-09	1.29E-07
6039	479645.02	3850891.18	4.21E-04	4.30E-04	4.12E-04	1.46E-07	4.40E-07	2.55E-07	2.55E-07	2.36E-07	1.08E-07	1.03E-07	0.00E+00	0.00E+00	4.69E-08	8.65E-09	5.60E-08	8.64E-09	7.98E-09	1.28E-07
6040	479557.17	3850848.54	4.19E-04	4.28E-04	4.10E-04	1.45E-07	4.38E-07	2.54E-07	2.54E-07	2.35E-07	1.07E-07	1.03E-07	0.00E+00	0.00E+00	4.66E-08	8.60E-09	5.57E-08	8.59E-09	7.95E-09	1.28E-07
6041	479469.32	3850805.89	4.13E-04	4.21E-04	4.04E-04	1.43E-07	4.32E-07	2.50E-07	2.50E-07	2.31E-07	1.05E-07	1.01E-07	0.00E+00	0.00E+00	4.60E-08	8.48E-09	5.49E-08	8.47E-09	7.84E-09	1.26E-07
6042	479381.46	3850763.24	4.13E-04	4.21E-04	4.05E-04	1.43E-07	4.32E-07	2.50E-07	2.50E-07	2.31E-07	1.05E-07	1.01E-07	0.00E+00	0.00E+00	4.60E-08	8.48E-09	5.49E-08	8.46E-09	7.85E-09	1.26E-07
6043	479293.61	3850720.59	4.16E-04	4.24E-04	4.09E-04	1.44E-07	4.35E-07	2.52E-07	2.52E-07	2.33E-07	1.06E-07	1.02E-07	0.00E+00	0.00E+00	4.63E-08	8.54E-09	5.53E-08	8.52E-09	7.92E-09	1.27E-07
6044	479205.76	3850677.95	4.17E-04	4.25E-04	4.10E-04	1.44E-07	4.36E-07	2.52E-07	2.52E-07	2.33E-07	1.06E-07	1.03E-07	0.00E+00	0.00E+00	4.64E-08	8.57E-09	5.54E-08	8.54E-09	7.95E-09	1.27E-07
6045	479117.9	3850635.3	4.20E-04	4.28E-04	4.14E-04	1.45E-07	4.39E-07	2.54E-07	2.54E-07	2.35E-07	1.07E-07	1.04E-07	0.00E+00	0.00E+00	4.67E-08	8.62E-09	5.57E-08	8.59E-09	8.02E-09	1.28E-07
6046	479030.05	3850592.65	4.20E-04	4.27E-04	4.14E-04	1.45E-07	4.39E-07	2.54E-07	2.54E-07	2.34E-07	1.07E-07	1.04E-07	0.00E+00	0.00E+00	4.67E-08	8.62E-09	5.57E-08	8.59E-09	8.02E-09	1.28E-07
6047	478942.19	3850550	4.13E-04	4.21E-04	4.08E-04	1.43E-07	4.32E-07	2.50E-07	2.50E-07	2.31E-07	1.05E-07	1.02E-07	0.00E+00	0.00E+00	4.60E-08	8.49E-09	5.49E-08	8.46E-09	7.90E-09	1.26E-07
6048	478854.34	3850507.36	3.96E-04	4.03E-04	3.90E-04	1.37E-07	4.14E-07	2.40E-07	2.40E-07	2.21E-07	1.01E-07	9.76E-08	0.00E+00	0.00E+00	4.41E-08	8.13E-09	5.26E-08	8.11E-09	7.56E-09	1.20E-07
6049	478766.49	3850464.71	3.88E-04	3.96E-04	3.82E-04	1.34E-07	4.06E-07	2.35E-07	2.35E-07	2.17E-07	9.90E-08	9.57E-08	0.00E+00	0.00E+00	4.32E-08	7.97E-09	5.15E-08	7.95E-09	7.41E-09	1.18E-07
6050	478678.63	3850422.06	3.83E-04	3.90E-04	3.77E-04	1.33E-07	4.00E-07	2.32E-07	2.32E-07	2.14E-07	9.77E-08	9.44E-08	0.00E+00	0.00E+00	4.26E-08	7.87E-09	5.09E-08	7.84E-09	7.31E-09	1.17E-07
6051	478590.78	3850379.41	3.76E-04	3.84E-04	3.70E-04	1.30E-07	3.93E-07	2.28E-07	2.28E-07	2.10E-07	9.60E-08	9.27E-08	0.00E+00	0.00E+00	4.19E-08	7.73E-09	5.00E-08	7.71E-09	7.18E-09	1.14E-07
6052	478502.93	3850336.77	3.72E-04	3.79E-04	3.66E-04	1.29E-07	3.89E-07	2.25E-07	2.25E-07	2.08E-07	9.49E-08	9.17E-08	0.00E+00	0.00E+00	4.14E-08	7.64E-09	4.94E-08	7.62E-09	7.10E-09	1.13E-07
6053	478415.07	3850294.12	3.69E-04	3.76E-04	3.63E-04	1.28E-07	3.86E-07	2.23E-07	2.23E-07	2.06E-07	9.42E-08	9.10E-08	0.00E+00	0.00E+00	4.11E-08	7.58E-09	4.90E-08	7.56E-09	7.04E-09	1.12E-07
6054	478327.22	3850251.47	3.62E-04	3.69E-04	3.56E-04	1.25E-07	3.78E-07	2.19E-07	2.19E-07	2.02E-07	9.24E-08	8.91E-08	0.00E+00	0.00E+00	4.03E-08	7.44E-09	4.81E-08	7.42E-09	6.90E-09	1.10E-07
6055	478239.36	3850208.82	3.56E-04	3.63E-04	3.50E-04	1.23E-07	3.72E-07	2.16E-07	2.16E-07	1.99E-07	9.09E-08	8.76E-08	0.00E+00	0.00E+00	3.96E-08	7.31E-09	4.73E-08	7.30E-09	6.78E-09	1.08E-07
6056	478151.51	3850166.18	3.51E-04	3.58E-04	3.45E-04	1.21E-07	3.67E-07	2.12E-07	2.12E-07	1.96E-07	8.95E-08	8.63E-08	0.00E+00	0.00E+00	3.91E-08	7.21E-09	4.66E-08	7.19E-09	6.68E-09	1.07E-07
6057	478063.66	3850123.53	3.46E-04	3.53E-04	3.40E-04	1.20E-07	3.61E-07	2.09E-07	2.09E-07	1.93E-07	8.83E-08	8.50E-08	0.00E+00	0.00E+00	3.85E-08	7.10E-09	4.60E-08	7.09E-09	6.58E-09	1.05E-07
6058	477975.8	3850080.88	3.55E-04	3.62E-04	3.50E-04	1.23E-07	3.71E-07	2.15E-07	2.15E-07	1.99E-07	9.06E-08	8.75E-08	0.00E+00	0.00E+00	3.95E-08	7.29E-09	4.72E-08	7.27E-09	6.77E-09	1.08E-07
6059	477887.95	3850038.23	3.54E-04	3.60E-04	3.48E-04	1.22E-07	3.70E-07	2.14E-07	2.14E-07	1.98E-07	9.02E-08	8.71E-08	0.00E+00	0.00E+00	3.94E-08	7.26E-09	4.70E-08	7.24E-09	6.74E-09	1.08E-07
6060	477800.1	3849995.59	3.53E-04	3.60E-04	3.48E-04	1.22E-07	3.69E-07	2.14E-07	2.14E-07	1.97E-07	9.00E-08	8.70E-08	0.00E+00	0.00E+00	3.93E-08	7.25E-09	4.69E-08	7.23E-09	6.74E-09	1.07E-07
6061	477712.24	3849952.94	3.48E-04	3.55E-04	3.43E-04	1.21E-07	3.64E-07	2.11E-07	2.11E-07	1.95E-07	8.89E-08	8.58E-08	0.00E+00	0.00E+00	3.88E-08	7.16E-09	4.63E-08	7.14E-09	6.65E-09	1.06E-07
6062	477624.39	3849910.29	3.43E-04	3.50E-04	3.38E-04	1.19E-07	3.59E-07	2.08E-07	2.08E-07	1.92E-07	8.76E-08	8.46E-08	0.00E+00	0.00E+00	3.82E-08	7.05E-09	4.56E-08	7.04E-09	6.55E-09	1.04E-07
6063	477536.54	3849867.64	3.39E-04	3.46E-04	3.34E-04	1.17E-07	3.54E-07	2.05E-07	2.05E-07	1.90E-07	8.65E-08	8.35E-08	0.00E+00	0.00E+00	3.78E-08	6.97E-09	4.51E-08	6.95E-09	6.46E-09	1.03E-07
6064	477448.68	3849825	3.32E-04	3.39E-04	3.27E-04	1.15E-07	3.47E-07	2.01E-07	2.01E-07	1.86E-07	8.48E-08	8.17E-08	0.00E+00	0.00E+00	3.70E-08	6.82E-09	4.41E-08	6.81E-09	6.33E-09	1.01E-07
6065	477360.83	3849782.35	3.26E-04	3.32E-04	3.20E-04	1.13E-07	3.41E-07	1.97E-07	1.97E-07	1.82E-07	8.32E-08	8.01E-08	0.00E+00	0.00E+00	3.63E-08	6.69E-09	4.33E-08	6.68E-09	6.20E-09	9.91E-08
6066	477272.97	3849739.7	3.19E-04	3.25E-04	3.12E-04	1.10E-07	3.33E-07	1.93E-07	1.93E-07	1.78E-07	8.13E-08	7.82E-08	0.00E+00	0.00E+00	3.55E-08	6.54E-09	4.23E-08	6.53E-09	6.06E-09	9.69E-08
6067	477185.12	3849697.05	3.13E-04	3.19E-04	3.06E-04	1.08E-07	3.27E-07	1.89E-07	1.89E-07	1.75E-07	7.98E-08	7.67E-08	0.00E+00	0.00E+00	3.48E-08	6.42E-09	4.16E-08	6.41E-09	5.94E-09	9.51E-08
6068	477097.27	3849654.41	3.06E-04	3.12E-04	2.99E-04	1.06E-07	3.19E-07	1.85E-07	1.85E-07	1.71E-07	7.80E-08	7.49E-08	0.00E+00	0.00E+00	3.40E-08	6.27E-09	4.06E-08	6.27E-09	5.80E-09	9.30E-08
6069	477009.41	3849611.76	2.95E-04	3.01E-04	2.88E-04	1.02E-07	3.08E-07	1.78E-07	1.78E-07	1.65E-07	7.53E-08	7.20E-08	0.00E+00	0.00E+00	3.28E-08	6.05E-09	3.92E-08	6.04E-09	5.58E-09	8.96E-08
6070	476841.49	3849530.08	2.80E-04	2.86E-04	2.73E-04	9.71E-08	2.93E-07	1.70E-07	1.70E-07	1.57E-07	7.17E-08	6.84E-08	0.00E+00	0.00E+00	3.12E-08	5.76E-09	3.73E-08	5.76E-09	5.30E-09	8.54E-08
6071	476761.41	3849491.05	2.75E-04	2.81E-04	2.68E-04	9.54E-08	2.88E-07	1.67E-07	1.67E-07	1.54E-07	7.04E-08	6.72E-08	0.00E+00	0.00E+00	3.07E-08	5.66E-09	3.67E-08	5.66E-09	5.20E-09	8.39E-08
6072	476681.34	3849452.02	2.68E-04	2.74E-04	2.61E-04	9.29E-08	2.81E-07	1.62E-07	1.62E-07	1.51E-07	6.87E-08	6.54E-08	0.00E+00	0.00E+00	2.99E-08	5.51E-09	3.58E-08	5.51E-09	5.06E-09	8.17E-08
6073	476601.26	3849412.99	2.61E-04	2.67E-04	2.53E-04	9.03E-08	2.73E-07	1.58E-07	1.58E-07	1.46E-07	6.67E-08	6.34E-08	0.00E+00	0.00E+00	2.90E-08	5.36E-09	3.48E-08	5.36E-09	4.91E-09	7.94E-08
6074	476456.32	3849353.67	2.44E-04	2.50E-04	2.36E-04	8.46E-08	2.56E-07	1.48E-07	1.48E-07	1.37E-07	6.26E-08	5.92E-08	0.00E+00	0.00E+00	2.72E-08	5.02E-09	3.26E-08	5.03E-09	4.58E-09	7.45E-08
6075	476305.43	3849318.84	2.39E-04	2.45E-04	2.31E-04	8.26E-08	2.50E-07	1.44E-07	1.44E-07	1.34E-07	6.12E-08	5.77E-08	0.00E+00	0.00E+00	2.66E-08	4.90E-09	3.19E-08	4.91E-09	4.47E-09	7.27E-08
6076	476129.36	3849289.99	2.29E-04	2.35E-04	2.21E-04	7.93E-08	2.40E-07	1.39E-07	1.39E-07	1.29E-07	5.88E-08	5.52E-08	0.00E+00	0.00E+00	2.55E-08	4.71E-09	3.06E-08	4.72E-09	4.27E-09	6.98E-08
6077	476039.31	3849275.68	2.25E-04	2.31E-04	2.16E-04	7.79E-08	2.35E-07	1.36E-07	1.36E-07	1.27E-07	5.78E-08	5.41E-08	0.00E+00	0.00E+00	2.51E-08	4.62E-09	3.01E-08	4.64E-09	4.19E-09	6.86E-08
6078	475949.26	3849261.38	2.18E-04	2.23E-04	2.09E-04	7.54E-08	2.28E-07	1.32E-07	1.32E-07	1.23E-07	5.59E-08	5.22E-08	0.00E+00	0.00E+00	2.42E-08	4.47E-09	2.91E-08	4.49E-09	4.04E-09	6.63E-08
6079	475859.21	3849247.08	2.14E-04	2.20E-04	2.05E-04	7.42E-08	2.24E-07	1.30E-07	1.30E-07	1.21E-07	5.50E-08	5.13E-08	0.00E+00	0.00E+00	2.38E-08	4.40E-09	2.87E-08	4.42E-09	3.97E-09	6.53E-08
6080	475769.16	3849232.77	2.10E-04	2.15E-04	2.00E-04	7.26E-08	2.19E-07	1.27E-07	1.27E-07	1.18E-07	5.39E-08	5.02E-08	0.00E+00	0.00E+00	2.34E-08	4.31E-09	2.81E-08	4.33E-09	3.88E-09	6.40E-08
6081	475585.23	3849219.27	1.78E-04	1.84E-04	1.69E-04	6.17E-08	1.86E-07	1.08E-07	1.08E-07	1.01E-07	4.59E-08	4.22E-08	0.00E+00	0.00E+00	1.98E-08	3.66E-09	2.39E-08	3.69E-09	3.27E-09	5.44E-08
6082	475444.5	3849150.35	1.92E-04	1.98E-04	1.83E-04	6.65E-08	2.01E-07	1.16E-07	1.16E-07	1.08E-07	4.94E-08	4.57E-08	0.00E+00	0.00E+00	2.14E-08	3.95E-09	2.57E-08	3.97E-09	3.54E-09	5.86E-08
6083	475334.18	3849118.71	1.94E-04	2.00E-04	1.85E-04	6.73E-08	2.03E-07	1.18E-07	1.18E-07	1.10E-07	5.00E-08	4.63E-08	0.00E+00	0.00E+00	2.16E-08	3.99E-09	2.60E-08	4.02E-09	3.59E-09	5.93E-08

6084	475230.47	3849060.57	1.92E-04	1.98E-04	1.83E-04	6.66E-08	2.01E-07	1.16E-07	1.16E-07	1.08E-07	4.95E-08	4.58E-08	0.00E+00	0.00E+00	2.14E-08	3.95E-09	2.58E-08	3.97E-09	3.55E-09	5.87E-08
6085	475110.86	3848960.97	1.88E-04	1.93E-04	1.79E-04	6.51E-08	1.97E-07	1.14E-07	1.14E-07	1.06E-07	4.84E-08	4.48E-08	0.00E+00	0.00E+00	2.09E-08	3.86E-09	2.52E-08	3.88E-09	3.47E-09	5.73E-08
6086	475037.79	3848896.28	1.84E-04	1.89E-04	1.75E-04	6.36E-08	1.92E-07	1.11E-07	1.11E-07	1.04E-07	4.73E-08	4.37E-08	0.00E+00	0.00E+00	2.05E-08	3.77E-09	2.46E-08	3.80E-09	3.39E-09	5.60E-08
6087	474964.72	3848831.59	1.80E-04	1.85E-04	1.71E-04	6.23E-08	1.88E-07	1.09E-07	1.09E-07	1.01E-07	4.63E-08	4.28E-08	0.00E+00	0.00E+00	2.00E-08	3.70E-09	2.41E-08	3.72E-09	3.32E-09	5.49E-08
6088	474891.65	3848766.9	1.78E-04	1.83E-04	1.69E-04	6.15E-08	1.86E-07	1.07E-07	1.07E-07	1.00E-07	4.57E-08	4.23E-08	0.00E+00	0.00E+00	1.98E-08	3.65E-09	2.38E-08	3.67E-09	3.27E-09	5.41E-08
6089	474818.58	3848702.22	1.76E-04	1.81E-04	1.68E-04	6.10E-08	1.84E-07	1.07E-07	1.07E-07	9.93E-08	4.53E-08	4.20E-08	0.00E+00	0.00E+00	1.96E-08	3.62E-09	2.36E-08	3.64E-09	3.25E-09	5.37E-08
6090	474745.51	3848637.53	1.78E-04	1.83E-04	1.70E-04	6.16E-08	1.86E-07	1.08E-07	1.08E-07	1.00E-07	4.58E-08	4.25E-08	0.00E+00	0.00E+00	1.98E-08	3.66E-09	2.38E-08	3.68E-09	3.29E-09	5.43E-08
6091	474672.44	3848572.84	1.78E-04	1.82E-04	1.69E-04	6.15E-08	1.86E-07	1.07E-07	1.07E-07	1.00E-07	4.57E-08	4.24E-08	0.00E+00	0.00E+00	1.98E-08	3.65E-09	2.38E-08	3.67E-09	3.28E-09	5.41E-08
6092	474599.37	3848508.15	1.74E-04	1.79E-04	1.66E-04	6.02E-08	1.82E-07	1.05E-07	1.05E-07	9.80E-08	4.47E-08	4.15E-08	0.00E+00	0.00E+00	1.94E-08	3.57E-09	2.33E-08	3.59E-09	3.21E-09	5.30E-08
6093	474526.3	3848443.46	1.72E-04	1.77E-04	1.64E-04	5.95E-08	1.80E-07	1.04E-07	1.04E-07	9.69E-08	4.42E-08	4.10E-08	0.00E+00	0.00E+00	1.91E-08	3.53E-09	2.30E-08	3.55E-09	3.18E-09	5.24E-08

			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	1.33E-03	1.54E-03	6.91E-04	4.59E-07	1.39E-06	8.02E-07	9.29E-07	8.42E-07	3.84E-07	1.73E-07	0.00E+00	0.00E+00	1.48E-07	3.15E-08	2.00E-07	3.09E-08	1.34E-08	4.24E-07
2	486023.61	3854936.51	1.30E-03	1.50E-03	6.75E-04	4.49E-07	1.36E-06	7.85E-07	9.08E-07	8.24E-07	3.76E-07	1.69E-07	0.00E+00	0.00E+00	1.44E-07	3.08E-08	1.96E-07	3.02E-08	1.31E-08	4.14E-07
3	486073.61	3854936.51	1.28E-03	1.48E-03	6.67E-04	4.44E-07	1.34E-06	7.75E-07	8.98E-07	8.14E-07	3.71E-07	1.67E-07	0.00E+00	0.00E+00	1.43E-07	3.05E-08	1.93E-07	2.98E-08	1.29E-08	4.09E-07
4	486123.61	3854936.51	1.23E-03	1.43E-03	6.42E-04	4.27E-07	1.29E-06	7.46E-07	8.64E-07	7.83E-07	3.57E-07	1.61E-07	0.00E+00	0.00E+00	1.37E-07	2.93E-08	1.86E-07	2.87E-08	1.24E-08	3.94E-07
5	486173.61	3854936.51	1.24E-03	1.43E-03	6.44E-04	4.28E-07	1.29E-06	7.48E-07	8.66E-07	7.85E-07	3.58E-07	1.61E-07	0.00E+00	0.00E+00	1.38E-07	2.94E-08	1.86E-07	2.88E-08	1.25E-08	3.95E-07
6	486223.61	3854936.51	1.21E-03	1.40E-03	6.30E-04	4.19E-07	1.26E-06	7.32E-07	8.47E-07	7.68E-07	3.50E-07	1.58E-07	0.00E+00	0.00E+00	1.35E-07	2.88E-08	1.82E-07	2.81E-08	1.22E-08	3.86E-07
7	486273.61	3854936.51	1.19E-03	1.38E-03	6.21E-04	4.12E-07	1.25E-06	7.21E-07	8.35E-07	7.57E-07	3.45E-07	1.55E-07	0.00E+00	0.00E+00	1.33E-07	2.83E-08	1.80E-07	2.77E-08	1.20E-08	3.80E-07
8	486323.61	3854936.51	1.18E-03	1.36E-03	6.13E-04	4.07E-07	1.23E-06	7.12E-07	8.24E-07	7.47E-07	3.41E-07	1.53E-07	0.00E+00	0.00E+00	1.31E-07	2.80E-08	1.78E-07	2.74E-08	1.19E-08	3.76E-07
9	485973.61	3854986.51	1.58E-03	1.83E-03	8.21E-04	5.46E-07	1.65E-06	9.55E-07	1.11E-06	1.00E-06	4.57E-07	2.06E-07	0.00E+00	0.00E+00	1.76E-07	3.75E-08	2.38E-07	3.67E-08	1.59E-08	5.04E-07
10	486023.61	3854986.51	1.54E-03	1.79E-03	8.04E-04	5.34E-07	1.61E-06	9.34E-07	1.08E-06	9.80E-07	4.47E-07	2.01E-07	0.00E+00	0.00E+00	1.72E-07	3.67E-08	2.33E-07	3.59E-08	1.56E-08	4.93E-07
11	486073.61	3854986.51	1.50E-03	1.74E-03	7.81E-04	5.19E-07	1.57E-06	9.07E-07	1.05E-06	9.53E-07	4.35E-07	1.95E-07	0.00E+00	0.00E+00	1.67E-07	3.57E-08	2.26E-07	3.49E-08	1.51E-08	4.79E-07
12	486123.61	3854986.51	1.46E-03	1.69E-03	7.60E-04	5.05E-07	1.53E-06	8.83E-07	1.02E-06	9.27E-07	4.23E-07	1.90E-07	0.00E+00	0.00E+00	1.62E-07	3.47E-08	2.20E-07	3.40E-08	1.47E-08	4.66E-07
13	486173.61	3854986.51	1.44E-03	1.67E-03	7.51E-04	4.99E-07	1.51E-06	8.72E-07	1.01E-06	9.16E-07	4.18E-07	1.88E-07	0.00E+00	0.00E+00	1.60E-07	3.43E-08	2.18E-07	3.35E-08	1.45E-08	4.60E-07
14	486223.61	3854986.51	1.40E-03	1.62E-03	7.30E-04	4.85E-07	1.46E-06	8.48E-07	9.82E-07	8.90E-07	4.06E-07	1.83E-07	0.00E+00	0.00E+00	1.56E-07	3.33E-08	2.12E-07	3.26E-08	1.41E-08	4.48E-07
15	486273.61	3854986.51	1.36E-03	1.57E-03	7.08E-04	4.70E-07	1.42E-06	8.22E-07	9.52E-07	8.63E-07	3.94E-07	1.77E-07	0.00E+00	0.00E+00	1.51E-07	3.23E-08	2.05E-07	3.16E-08	1.37E-08	4.34E-07
16	486323.61	3854986.51	1.36E-03	1.58E-03	7.09E-04	4.71E-07	1.42E-06	8.24E-07	9.54E-07	8.65E-07	3.95E-07	1.77E-07	0.00E+00	0.00E+00	1.52E-07	3.24E-08	2.05E-07	3.17E-08	1.37E-08	4.35E-07
17	485973.61	3855036.51	1.87E-03	2.17E-03	9.76E-04	6.49E-07	1.96E-06	1.13E-06	1.31E-06	1.19E-06	5.43E-07	2.44E-07	0.00E+00	0.00E+00	2.09E-07	4.46E-08	2.83E-07	4.36E-08	1.89E-08	5.99E-07
18	486023.61	3855036.51	1.82E-03	2.10E-03	9.45E-04	6.29E-07	1.90E-06	1.10E-06	1.27E-06	1.15E-06	5.26E-07	2.37E-07	0.00E+00	0.00E+00	2.02E-07	4.32E-08	2.74E-07	4.23E-08	1.83E-08	5.80E-07
19	486073.61	3855036.51	1.74E-03	2.02E-03	9.08E-04	6.04E-07	1.82E-06	1.06E-06	1.22E-06	1.11E-06	5.06E-07	2.27E-07	0.00E+00	0.00E+00	1.94E-07	4.15E-08	2.63E-07	4.06E-08	1.76E-08	5.57E-07
20	486123.61	3855036.51	1.69E-03	1.96E-03	8.81E-04	5.86E-07	1.77E-06	1.02E-06	1.19E-06	1.08E-06	4.91E-07	2.21E-07	0.00E+00	0.00E+00	1.88E-07	4.03E-08	2.55E-07	3.94E-08	1.71E-08	5.41E-07
21	486173.61	3855036.51	1.67E-03	1.93E-03	8.68E-04	5.77E-07	1.74E-06	1.01E-06	1.17E-06	1.06E-06	4.83E-07	2.17E-07	0.00E+00	0.00E+00	1.86E-07	3.96E-08	2.51E-07	3.88E-08	1.68E-08	5.32E-07
22	486223.61	3855036.51	1.60E-03	1.86E-03	8.35E-04	5.55E-07	1.68E-06	9.71E-07	1.12E-06	1.02E-06	4.65E-07	2.09E-07	0.00E+00	0.00E+00	1.79E-07	3.82E-08	2.42E-07	3.73E-08	1.62E-08	5.12E-07
23	486273.61	3855036.51	1.59E-03	1.84E-03	8.26E-04	5.49E-07	1.66E-06	9.60E-07	1.11E-06	1.01E-06	4.60E-07	2.07E-07	0.00E+00	0.00E+00	1.77E-07	3.77E-08	2.39E-07	3.69E-08	1.60E-08	5.07E-07
24	486323.61	3855036.51	1.54E-03	1.79E-03	8.04E-04	5.34E-07	1.61E-06	9.34E-07	1.08E-06	9.80E-07	4.47E-07	2.01E-07	0.00E+00	0.00E+00	1.72E-07	3.67E-08	2.33E-07	3.59E-08	1.56E-08	4.93E-07
25	485973.61	3855086.51	2.20E-03	2.54E-03	1.14E-03	7.61E-07	2.30E-06	1.33E-06	1.54E-06	1.40E-06	6.37E-07	2.86E-07	0.00E+00	0.00E+00	2.45E-07	5.23E-08	3.32E-07	5.11E-08	2.22E-08	7.02E-07
26	486023.61	3855086.51	2.13E-03	2.47E-03	1.11E-03	7.38E-07	2.23E-06	1.29E-06	1.49E-06	1.35E-06	6.18E-07	2.78E-07	0.00E+00	0.00E+00	2.37E-07	5.07E-08	3.22E-07	4.96E-08	2.15E-08	6.81E-07
27	486073.61	3855086.51	2.03E-03	2.36E-03	1.06E-03	7.04E-07	2.13E-06	1.23E-06	1.43E-06	1.29E-06	5.89E-07	2.65E-07	0.00E+00	0.00E+00	2.26E-07	4.84E-08	3.07E-07	4.73E-08	2.05E-08	6.50E-07
28	486123.61	3855086.51	1.98E-03	2.29E-03	1.03E-03	6.85E-07	2.07E-06	1.20E-06	1.39E-06	1.26E-06	5.74E-07	2.58E-07	0.00E+00	0.00E+00	2.20E-07	4.71E-08	2.99E-07	4.61E-08	2.00E-08	6.32E-07
29	486173.61	3855086.51	1.90E-03	2.20E-03	9.90E-04	6.58E-07	1.99E-06	1.15E-06	1.33E-06	1.21E-06	5.51E-07	2.48E-07	0.00E+00	0.00E+00	2.12E-07	4.52E-08	2.87E-07	4.43E-08	1.92E-08	6.07E-07
30	486223.61	3855086.51	1.85E-03	2.14E-03	9.64E-04	6.41E-07	1.94E-06	1.12E-06	1.30E-06	1.18E-06	5.37E-07	2.41E-07	0.00E+00	0.00E+00	2.06E-07	4.41E-08	2.80E-07	4.31E-08	1.87E-08	5.92E-07
31	485973.61	3855136.51	2.58E-03	2.99E-03	1.34E-03	8.93E-07	2.70E-06	1.56E-06	1.81E-06	1.64E-06	7.48E-07	3.36E-07	0.00E+00	0.00E+00	2.87E-07	6.13E-08	3.89E-07	6.00E-08	2.60E-08	8.24E-07
32	486023.61	3855136.51	2.47E-03	2.86E-03	1.29E-03	8.56E-07	2.58E-06	1.50E-06	1.73E-06	1.57E-06	7.16E-07	3.22E-07	0.00E+00	0.00E+00	2.75E-07	5.88E-08	3.73E-07	5.75E-08	2.49E-08	7.89E-07
33	486073.61	3855136.51	2.37E-03	2.74E-03	1.23E-03	8.19E-07	2.47E-06	1.43E-06	1.66E-06	1.50E-06	6.86E-07	3.08E-07	0.00E+00	0.00E+00	2.63E-07	5.63E-08	3.57E-07	5.51E-08	2.39E-08	7.56E-07
34	486123.61	3855136.51	2.28E-03	2.64E-03	1.19E-03	7.89E-07	2.38E-06	1.38E-06	1.60E-06	1.45E-06	6.61E-07	2.97E-07	0.00E+00	0.00E+00	2.54E-07	5.42E-08	3.44E-07	5.30E-08	2.30E-08	7.28E-07
35	486173.61	3855136.51	2.19E-03	2.53E-03	1.14E-03	7.58E-07	2.29E-06	1.32E-06	1.53E-06	1.39E-06	6.34E-07	2.85E-07	0.00E+00	0.00E+00	2.44E-07	5.21E-08	3.30E-07	5.09E-08	2.21E-08	6.99E-07
36	486223.61	3855136.51	2.11E-03	2.45E-03	1.10E-03	7.31E-07	2.21E-06	1.28E-06	1.48E-06	1.34E-06	6.12E-07	2.75E-07	0.00E+00	0.00E+00	2.35E-07	5.02E-08	3.19E-07	4.92E-08	2.13E-08	6.75E-07
37	485973.61	3855186.51	3.00E-03	3.47E-03	1.56E-03	1.04E-06	3.14E-06	1.82E-06	2.10E-06	1.91E-06	8.69E-07	3.91E-07	0.00E+00	0.00E+00	3.34E-07	7.14E-08	4.53E-07	6.98E-08	3.02E-08	9.58E-07
38	486023.61	3855186.51	2.87E-03	3.32E-03	1.49E-03	9.93E-07	3.00E-06	1.74E-06	2.01E-06	1.82E-06	8.31E-07	3.73E-07	0.00E+00	0.00E+00	3.19E-07	6.82E-08	4.33E-07	6.68E-08	2.89E-08	9.16E-07
39	486073.61	3855186.51	2.72E-03	3.15E-03	1.41E-03	9.40E-07	2.84E-06	1.64E-06	1.90E-06	1.73E-06	7.87E-07	3.54E-07	0.00E+00	0.00E+00	3.02E-07	6.46E-08	4.10E-07	6.32E-08	2.74E-08	8.67E-07
40	486123.61	3855186.51	2.58E-03	2.99E-03	1.34E-03	8.93E-07	2.70E-06	1.56E-06	1.81E-06	1.64E-06	7.48E-07	3.36E-07	0.00E+00	0.00E+00	2.87E-07	6.13E-08	3.89E-07	6.00E-08	2.60E-08	8.24E-07
41	486173.61	3855186.51	2.48E-03	2.87E-03	1.29E-03	8.58E-07	2.59E-06	1.50E-06	1.74E-06	1.57E-06	7.18E-07	3.23E-07	0.00E+00	0.00E+00	2.76E-07	5.89E-08	3.74E-07	5.77E-08	2.50E-08	7.91E-07
42	486223.61	3855186.51	2.38E-03	2.76E-03	1.24E-03	8.25E-07	2.49E-06	1.44E-06	1.67E-06	1.51E-06	6.91E-07	3.10E-07	0.00E+00	0.00E+00	2.65E-07	5.67E-08	3.60E-07	5.55E-08	2.40E-08	7.61E-07
43	486273.61	3855186.51	2.29E-03	2.65E-03	1.19E-03	7.92E-07	2.39E-06	1.38E-06	1.60E-06	1.45E-06	6.63E-07	2.98E-07	0.00E+00	0.00E+00	2.55E-07	5.44E-08	3.45E-07	5.32E-08	2.31E-08	7.31E-07
44	486323.61	3855186.51	2.28E-03	2.64E-03	1.18E-03	7.88E-07	2.38E-06	1.38E-06	1.60E-06	1.45E-06	6.60E-07	2.97E-07	0.00E+00	0.00E+00	2.53E-07	5.42E-08	3.44E-07	5.30E-08	2.30E-08	7.27E-07
45	485973.61	3855236.51	3.45E-03	3.99E-03	1.79E-03	1.19E-06	3.60E-06	2.09E-06	2.42E-06	2.19E-06	1.00E-06	4.49E-07	0.00E+00	0.00E+00	3.84E-07	8.20E-08	5.21E-07	8.03E-08	3.48E-08	1.10E-06
46	486023.61	3855236.51	3.25E-03	3.77E-03	1.69E-03	1.13E-06	3.40E-06	1.97E-06	2.28E-06	2.07E-06	9.43E-07	4.23E-07	0.00E+00	0.00E+00	3.62E-07	7.74E-08	4.91E-07	7.57E-08	3.28E-08	1.04E-06
47	486073.61	3855236.51	3.06E-03	3.55E-03	1.59E-03	1.06E-06	3.20E-06	1.85E-06	2.15E-06	1.95E-06	8.88E-07	3.99E-07	0.00E+00	0.00E+00	3.41E-07	7.29E-08	4.63E-07	7.13E-08	3.09E-08	9.79E-07
48	486123.61	3855236.51	2.92E-03	3.38E-03	1.52E-03	1.01E-06	3.05E-06	1.77E-06	2.05E-06	1.86E-06	8.47E-07	3.81E-07	0.00E+00	0.00E+00	3.25E-07	6.95E-08	4.41E-07	6.80E-08	2.95E-08	9.33E-07
49	486173.61	3855236.51	2.80E-03	3.24E-03	1.46E-03	9.68E-07	2.92E-06	1.69E-06	1.96E-06	1.78E-06	8.11E-07	3.64E-07	0.00E+00	0.00E+00	3.11E-07	6.65E-08	4.22E-07	6.51E-08	2.82E-08	8.93E-07
50	486223.61	3855236.51	2.67E-03	3.10E-03	1.39E-03	9.25E-07	2.79E-06	1.62E-06	1.87E-06	1.70E-06	7.75E-07	3.48E-07	0.00E+00	0.00E+00	2.98E-07	6.36E-08	4.03E-07	6.22E-08	2.70E-08	8.54E-07
51	486273.61	3855236.51	2.52E-03	2.92E-03	1.31E-03	8.72E-07	2.63E-06	1.53E-06	1.77E-06	1.60E-06	7.31E-07	3.28E-07	0.00E+00	0.00E+00	2.81E-07	5.99E-08	3.80E-07	5.87E-08	2.54E-08	8.05E-07
52	486323.61	3855236.51	2.54E-03	2.94E-03	1.32E-03	8.80E-07	2.66E-06	1.54E-06	1.78E-06	1.61E-06	7.37E-07	3.31E-07	0.00E+00	0.00E+00	2.83E-07	6.05E-08	3.84E-07	5.92E-08	2.56E-08	8.12E-07
53	485973.61	3855286.51	3.93E-03	4.55E-03	2.04E-03	1.36E-06	4.10E-06	2.38E-06	2.75E-06	2.49E-06	1.14E-06	5.11E-07	0.00E+00	0.00E+00	4.37E-07	9.34E-08	5.92E-07	9.14E-08	3.96E-08	1.25E-06
54	486023.61	3855286.51	3.68E-03	4.26E-03	1.91E-03	1.27E-06	3.84E-06	2.22E-06	2.58E-06	2.34E-06	1.07E-06	4.79E-07	0.00E+00	0.00E+00	4.09E-07	8.75E-08	5.55E-07	8.56E-08	3.71E-08	1.17E-06
55	486073.61	3855286.51	3.47E-03	4.02E-03	1.81E-03	1.20E-06	3.63E-06	2.10E-06	2.43E-06	2.21E-06	1.01E-06	4.52E-07	0.00E+00	0.00E+00	3.87E-07	8.26E-08	5.24E-07	8.08E-08	3.50E-08	1.11E-06
56	486123.61	3855286.51	3.28E-03	3.79E-03	1.70E-03	1.13E-06	3.42E-06	1.98E-06	2.30E-06	2.08E-06	9.50E-07	4.26E-07	0.00E+00	0.00E+00	3.65E-07	7.79E-08	4.94E-07	7.62E-08	3.30E-08	1.05E-06
57	486173.61	3855286.51	3.11E-03	3.60E-03	1.62E-03	1.08E-06	3.25E-06	1.88E-06	2.18E-06	1.97E-06	9.01E-07	4.05E-07	0.00E+00	0.00E+00	3.46E-07	7.39E-08	4.69E-07	7.24E-08	3.13E-08	9.93E-07
58	486223.61	3855286.51	2.98E-03	3.45E-03	1.55E-03	1.03E-06	3.12E-06	1.80E-06	2.09E-06	1.89E-06	8.64E-07	3.88E-07	0.00E+00	0.00E+00	3.32E-07	7.09E-08	4.50E-07	6.94E-08	3.01E-08	9.53E-07
59	486123.61	3855336.51	3.65E-03	4.23E-03	1.90E-03	1.26E-06	3.82E-06	2.21E-06	2.56E-06	2.32E-06	1.06E-06	4.75E-07	0.00E+00	0.00E+00	4.06E-07	8.68E-08	5.51E-07	8.50E-08	3.68E-08	1.17E-06
60	486173.61	3855336.51	3.48E-03	4.03E-03	1.81E-03	1.20E-06	3.63E-06	2.10E-06	2.44E-06	2.21E-06	1.01E-06	4.53E-07	0.00E+00	0.00E+00	3.87E-07	8.27E-08	5.25E-07	8.09E-08	3.50E-08	1.11E-06
61	486223.61	3855336.51	3.31E-03	3.83E-03	1.72E-03	1.15E-06	3.46E-06	2.00E-06	2.32E-06	2.10E-06	9.59E-07	4.31E-07	0.00E+00	0.00E+00	3.68E-07	7.87E-08	4.99E-07	7.70E-08	3.33E-08	1.06E-06
62	486123.61	3855386.51	4.06E-03	4.70E-03	2.11E-03	1.41E-06	4.24E-06	2.46E-06	2.85E-06	2.58E-06	1.18E-06	5.29E-07	0.00E+00	0.00E+00	4.52E-07	9.66E-08	6.13E-07	9.45E-08	4.09E-08	1.30E-06
63	486173.61	3855386.51	3.86E-03	4.47E-03	2.01E-03	1.33E-06	4.03E-06	2.33E-06	2.70E-06	2.45E-06	1.12E-06	5.02E-07	0.00E+00	0.00E+00	4.29E-07	9.17E-08	5.82E-07	8.97E-08	3.89E-08	1.23E-06
64	486223.61	3855386.51	3.68E-03	4.26E-03	1.91E-03	1.27E-06	3.84E-06	2.22E-06	2.58E-06	2.34E-06	1.07E-06	4.79E-07	0.00E+00	0.00E+00	4.09E-07	8.74E-08	5.55E-07	8.56E-08	3.71E-08	1.17E-06
65	486533.18	3855443.15	3.20E-03	3.71E-03	1.67E-03	1.11E-06	3.35E-06	1.94E-06	2.25E-06	2.04E-06	9.29E-07	4.17E-07	0.00E+00	0.00E+00	3.57E-07	7.62E-08	4.84E-07	7.46E-08	3.23E-08	1.02E-06
66	486583.18	3855443.15	3.08E-03	3.57E-03	1.60E-03	1.07E-06	3.22E-06	1.86E-06	2.16E-06	1.96E-06	8.93E-07	4.01E-07	0.00E+00	0.00E+00	3.43E-07	7.33E-08	4.65E-07	7.17E-08	3.11E-08	9.84E-07
67	486633.18	3855443.15	2.97E-03	3.43E-03	1.54E-03	1.03E-06	3.10E-06	1.79E-06	2.08E-06	1.88E-06	8.59E-07	3.86E-07	0.00E+00	0.00E+00	3.30E-07	7.05E-08	4.48E-07	6.90E-08	2.99E-08	9.47E-07
68	486683.18	3855443.15	2.88E-03	3.34E-03	1.50E-03	9.97E-07	3.01E-06	1.74E-06	2.02E-06	1.83E-06	8.35E-07	3.75E-07	0.00E+00	0.00E+00	3.21E-07	6.85E-08	4.35E-07	6.71E-08	2.91E-08	9.20E-07
69	486533.18	3855493.15	3.47E-03	4.02E-03	1.81E-03	1.20E-06	3.63E-06	2.10E-06	2.43E-06	2.21E-06	1.01E-06	4.52E-07	0.00E+00	0.00E+00	3.87E-07	8.26E-08	5.24E-07	8.08E-08	3.50E-08	1.11E-06
70	486583.18	3855493.15	3.35E-03	3.87E-03	1.74E-03	1.16E-06	3.50E-06	2.02E-06	2.34E-06	2.12E-06	9.70E-07	4.36E-07	0.00E+00	0.00E+00	3.72E-07	7.96E-08	5.05E-07	7.79E-08	3.37E-08	1.07E-06
71	486633.18	3855493.15	3.22E-03	3.73E-03	1.67E-03	1.11E-06	3.36E-06	1.95E-06	2.26E-06	2.04E-06	9.33E-07	4.19E-07	0.00E+00	0.00E+00	3.58E-07	7.65E-08	4.86E-07	7.49E-08	3.25E-08	1.03E-06
72	486683.18	3855493.15	3.10E-03	3.59E-03	1.61E-03	1.07E-06	3.24E-06	1.88E-06	2.17E-06	1.97E-06	8.99E-07	4.04E-07	0.00E+00	0.00E+00	3.45E-07	7.38E-08	4.68E-07	7.22E-08	3.13E-08	9.91E-07
73	486533.18	3855543.15	3.77E-03	4.37E-03	1.96E-03	1.31E-06	3.95E-06	2.28E-06	2.64E-06	2.40E-06	1.09E-06	4.91E-07	0.00E+00	0.00E+00	4.20E-07	8.98E-08	5.70E-07	8.78E-08	3.81E-08	1.21E-06
74	486583.18	3855543.15	3.59E-03	4.16E-03	1.87E-03	1.24E-06	3.76E-06	2.18E-06	2.52E-06	2.28E-06	1.04E-06	4.68E-07	0.00E+00	0.00E+00	4.00E-07	8.55E-08	5.43E-07	8.37E-08	3.62E-08	1.15E-06
75	486633.18	3855543.15	3.46E-03	4.01E-03	1.80E-03	1.20E-06	3.62E-06	2.10E-06	2.43E-06	2.20E-06	1.00E-06	4.51E-07	0.00E+00	0.00E+00	3.85E-07	8.24E-08	5.23E-07	8.06E-08	3.49E-08	1.11E-06
76	486683.18	3855543.15	3.30E-03	3.82E-03	1.72E-03	1.14E-06	3.45E-06	2.00E-06	2.31E-06	2.10E-06	9.57E-07	4.30E-07	0.00E+00	0.00E+00	3.68E-07	7.85E-08	4.98E-07	7.69E-08	3.33E-08	1.05E-06
77	486533.18	3855593.15	4.07E-03	4.71E-03	2.12E-03	1.41E-06	4.25E-06	2.46E-06	2.85E-06	2.58E-06	1.18E-06	5.29E-07	0.00E+00	0.00E+00	4.53E-07	9.67E-08	6.14E-07	9.46E-08	4.10E-08	1.30E-06
78	486583.18	3855593.15	3.88E-03	4.50E-03	2.02E-03	1.34E-06	4.06E-06	2.35E-06	2.72E-06	2.47E-06	1.13E-06	5.05E-07	0.00E+00	0.00E+00	4.32E-07	9.23E-08	5.86E-07	9.04E-08	3.91E-08	1.24E-06
79	486633.18	3855593.15	3.72E-03	4.31E-03	1.94E-03	1.29E-06	3.89E-06	2.25E-06	2.61E-06	2.36E-06	1.08E-06	4.84E-07	0.00E+00	0.00E+00	4.14E-07	8.85E-08	5.61E-07	8.66E-08	3.75E-08	1.19E-06
80	486683.18	3855593.15	3.59E-03	4.15E-03	1.87E-03	1.24E-06	3.75E-06	2.17E-06	2.51E-06	2.28E-06	1.04E-06	4.67E-07	0.00E+00	0.00E+00	3.99E-07	8.53E-08	5.41E-07	8.35E-08	3.62E-08	1.15E-06
81	486533.18	3855643.15	4.38E-03	5.07E-03	2.28E-03	1.52E-06	4.58E-06	2.65E-06	3.07E-06	2.78E-06	1.27E-06	5.70E-07	0.00E+00	0.00E+00	4.88E-07	1.04E-07	6.61E-07	1.02E-07	4.42E-08	1.40E-06
82	486583.18	3855643.15	4.19E-03	4.85E-03	2.18E-03	1.45E-06	4.37E-06	2.53E-06	2.93E-06	2.66E-06	1.21E-06	5.45E-07	0.00E+00	0.00E+00	4.66E-07	9.95E-08	6.32E-07	9.74E-08	4.22E-08	1.34E-06
83	486633.18	3855643.15	4.00E-03	4.64E-03	2.08E-03	1.39E-06	4.18E-06	2.42E-06	2.81E-06	2.54E-06	1.16E-06	5.21E-07	0.00E+00	0.00E+00	4.46E-07	9.52E-08	6.04E-07	9.32E-08	4.04E-08	1.28E-06
84	486683.18	3855643.15	3.84E-03	4.45E-03	2.00E-03	1.33E-06	4.02E-06	2.33E-06	2.69E-06	2.44E-06	1.11E-06	5.00E-07	0.00E+00	0.00E+00	4.28E-07	9.14E-08	5.80E-07	8.95E-08	3.88E-08	1.23E-06
85	486533.18	3855693.15	4.74E-03	5.49E-03	2.47E-03	1.64E-06	4.95E-06	2.87E-06	3.32E-06	3.01E-06	1.37E-06	6.17E-07	0.00E+00	0.00E+00	5.28E-07	1.13E-07	7.15E-07	1.10E-07	4.78E-08	1.51E-06
86	486583.18	3855693.15	4.48E-03	5.19E-03	2.33E-03	1.55E-06	4.68E-06	2.71E-06	3.14E-06	2.85E-06	1.30E-06	5.83E-07	0.00E+00	0.00E+00	4.99E-07	1.07E-07	6.76E-07	1.04E-07	4.52E-08	1.43E-06
87	486633.18	3855693.15	4.24E-03	4.91E-03	2.20E-03	1.47E-06	4.43E-06	2.56E-06	2.97E-06	2.69E-06	1.23E-06	5.51E-07	0.00E+00	0.00E+00	4.72E-07	1.01E-07	6.39E-07	9.86E-08	4.27E-08	1.35E-06
88	486683.18	3855693.15	4.11E-03	4.76E-03	2.14E-03	1.42E-06	4.30E-06	2.49E-06	2.88E-06	2.61E-06	1.19E-06	5.35E-07	0.00E+00	0.00E+00	4.57E-07	9.77E-08	6.20E-07	9.56E-08	4.14E-08	1.31E-06
89	486733.18	3855693.15	4.03E-03	4.66E-03	2.10E-03	1.39E-06	4.21E-06	2.44E-06	2.82E-06	2.56E-06	1.17E-06	5.24E-07	0.00E+00	0.00E+00	4.48E-07	9.58E-08	6.08E-07	9.37E-08	4.06E-08	1.29E-06
90	486783.18	3855693.15	3.97E-03	4.60E-03	2.06E-03	1.37E-06	4.15E-06	2.40E-06	2.78E-06	2.52E-06	1.15E-06	5.17E-07	0.00E+00	0.00E+00	4.42E-07	9.44E-08	5.99E-07	9.24E-08	4.00E-08	1.27E-06
91	486533.18	3855743.15	5.09E-03	5.89E-03	2.64E-03	1.76E-06	5.32E-06	3.08E-06	3.56E-06	3.23E-06	1.47E-06	6.62E-07	0.00E+00	0.00E+00	5.66E-07	1.21E-07	7.68E-07	1.18E-07	5.13E-08	1.62E-06
92	486583.18	3855743.15	4.76E-03	5.52E-03	2.48E-03	1.65E-06	4.98E-06	2.88E-06	3.34E-06	3.03E-06	1.38E-06	6.20E-07	0.00E+00	0.00E+00	5.30E-07	1.13E-07	7.19E-07	1.11E-07	4.80E-08	1.52E-06
93	486633.18	3855743.15	4.53E-03	5.25E-03	2.36E-03	1.57E-06	4.74E-06	2.74E-06	3.18E-06	2.88E-06	1.31E-06	5.90E-07	0.00E+00	0.00E+00	5.05E-07	1.08E-07	6.84E-07	1.06E-07	4.57E-08	1.45E-06
94	486683.18	3855743.15	4.42E-03	5.12E-03	2.30E-03	1.53E-06	4.62E-06	2.68E-06	3.10E-06	2.81E-06	1.28E-06	5.76E-07	0.00E+00	0.00E+00	4.92E-07	1.05E-07	6.67E-07	1.03E-07	4.46E-08	1.41E-06
95	486733.18	3855743.15	4.28E-03	4.96E-03	2.23E-03	1.48E-06	4.48E-06	2.59E-06	3.00E-06	2.72E-06	1.24E-06	5.58E-07	0.00E+00	0.00E+00	4.77E-07	1.02E-07	6.46E-07	9.97E-08	4.32E-08	1.37E-06
96	486783.18	3855743.15	4.24E-03	4.91E-03	2.21E-03	1.47E-06	4.43E-06	2.57E-06	2.97E-06	2.69E-06	1.23E-06	5.52E-07	0.00E+00	0.00E+00	4.72E-07	1.01E-07	6.40E-07	9.87E-08	4.28E-08	1.35E-06
97	486533.18	3855793.15	5.46E-03	6.32E-03	2.84E-03	1.89E-06	5.71E-06	3.30E-06	3.83E-06	3.47E-06	1.58E-06	7.11E-07	0.00E+00	0.00E+00	6.08E-07	1.30E-07	8.24E-07	1.27E-07	5.50E-08	1.74E-06
98	486583.18	3855793.15	5.04E-03	5.83E-03	2.62E-03	1.74E-06	5.26E-06	3.05E-06	3.53E-06	3.20E-06	1.46E-06	6.56E-07	0.00E+00	0.00E+00	5.61E-07	1.20E-07	7.60E-07	1.17E-07	5.08E-08	1.61E-06

99	486633.18	3855793.15	4.89E-03	5.67E-03	2.55E-03	1.69E-06	5.12E-06	2.96E-06	3.43E-06	3.11E-06	1.42E-06	6.37E-07	0.00E+00	0.00E+00	5.45E-07	1.16E-07	7.39E-07	1.14E-07	4.93E-08	1.56E-06
100	486683.18	3855793.15	4.77E-03	5.52E-03	2.48E-03	1.65E-06	4.99E-06	2.89E-06	3.34E-06	3.03E-06	1.38E-06	6.21E-07	0.00E+00	0.00E+00	5.31E-07	1.13E-07	7.20E-07	1.11E-07	4.81E-08	1.52E-06
101	486733.18	3855793.15	4.63E-03	5.36E-03	2.41E-03	1.60E-06	4.84E-06	2.80E-06	3.24E-06	2.94E-06	1.34E-06	6.03E-07	0.00E+00	0.00E+00	5.15E-07	1.10E-07	6.99E-07	1.08E-07	4.67E-08	1.48E-06
102	486783.18	3855793.15	4.51E-03	5.22E-03	2.35E-03	1.56E-06	4.72E-06	2.73E-06	3.16E-06	2.87E-06	1.31E-06	5.87E-07	0.00E+00	0.00E+00	5.02E-07	1.07E-07	6.81E-07	1.05E-07	4.55E-08	1.44E-06
103	486533.18	3855843.15	5.78E-03	6.70E-03	3.01E-03	2.00E-06	6.05E-06	3.50E-06	4.05E-06	3.67E-06	1.68E-06	7.53E-07	0.00E+00	0.00E+00	6.44E-07	1.38E-07	8.73E-07	1.35E-07	5.83E-08	1.85E-06
104	486583.18	3855843.15	5.40E-03	6.26E-03	2.81E-03	1.87E-06	5.65E-06	3.27E-06	3.79E-06	3.43E-06	1.57E-06	7.03E-07	0.00E+00	0.00E+00	6.01E-07	1.29E-07	8.16E-07	1.26E-07	5.45E-08	1.73E-06
105	486633.18	3855843.15	5.25E-03	6.08E-03	2.73E-03	1.82E-06	5.49E-06	3.18E-06	3.68E-06	3.33E-06	1.52E-06	6.83E-07	0.00E+00	0.00E+00	5.84E-07	1.25E-07	7.92E-07	1.22E-07	5.29E-08	1.68E-06
106	486683.18	3855843.15	5.11E-03	5.91E-03	2.66E-03	1.77E-06	5.34E-06	3.09E-06	3.58E-06	3.24E-06	1.48E-06	6.65E-07	0.00E+00	0.00E+00	5.68E-07	1.21E-07	7.71E-07	1.19E-07	5.15E-08	1.63E-06
107	486733.18	3855843.15	4.97E-03	5.75E-03	2.58E-03	1.72E-06	5.19E-06	3.01E-06	3.48E-06	3.16E-06	1.44E-06	6.47E-07	0.00E+00	0.00E+00	5.53E-07	1.18E-07	7.50E-07	1.16E-07	5.01E-08	1.59E-06
108	486783.18	3855843.15	4.83E-03	5.59E-03	2.51E-03	1.67E-06	5.04E-06	2.92E-06	3.38E-06	3.07E-06	1.40E-06	6.28E-07	0.00E+00	0.00E+00	5.37E-07	1.15E-07	7.29E-07	1.12E-07	4.87E-08	1.54E-06
109	486533.18	3855893.15	6.03E-03	6.99E-03	3.14E-03	2.09E-06	6.30E-06	3.65E-06	4.23E-06	3.83E-06	1.75E-06	7.85E-07	0.00E+00	0.00E+00	6.71E-07	1.43E-07	9.10E-07	1.40E-07	6.08E-08	1.93E-06
110	486583.18	3855893.15	5.83E-03	6.75E-03	3.03E-03	2.02E-06	6.09E-06	3.52E-06	4.08E-06	3.70E-06	1.69E-06	7.58E-07	0.00E+00	0.00E+00	6.48E-07	1.39E-07	8.79E-07	1.36E-07	5.87E-08	1.86E-06
111	486633.18	3855893.15	5.62E-03	6.51E-03	2.92E-03	1.95E-06	5.88E-06	3.40E-06	3.94E-06	3.57E-06	1.63E-06	7.32E-07	0.00E+00	0.00E+00	6.26E-07	1.34E-07	8.49E-07	1.31E-07	5.67E-08	1.80E-06
112	486683.18	3855893.15	5.46E-03	6.32E-03	2.84E-03	1.89E-06	5.71E-06	3.30E-06	3.83E-06	3.47E-06	1.58E-06	7.11E-07	0.00E+00	0.00E+00	6.08E-07	1.30E-07	8.24E-07	1.27E-07	5.50E-08	1.74E-06
113	486733.18	3855893.15	5.30E-03	6.14E-03	2.76E-03	1.84E-06	5.54E-06	3.21E-06	3.72E-06	3.37E-06	1.54E-06	6.90E-07	0.00E+00	0.00E+00	5.90E-07	1.26E-07	8.01E-07	1.23E-07	5.35E-08	1.69E-06
114	486783.18	3855893.15	5.17E-03	5.99E-03	2.69E-03	1.79E-06	5.41E-06	3.13E-06	3.63E-06	3.29E-06	1.50E-06	6.73E-07	0.00E+00	0.00E+00	5.76E-07	1.23E-07	7.81E-07	1.20E-07	5.21E-08	1.65E-06
115	486533.18	3855943.15	6.44E-03	7.46E-03	3.35E-03	2.23E-06	6.73E-06	3.90E-06	4.51E-06	4.09E-06	1.87E-06	8.38E-07	0.00E+00	0.00E+00	7.17E-07	1.53E-07	9.72E-07	1.50E-07	6.49E-08	2.06E-06
116	486583.18	3855943.15	6.28E-03	7.27E-03	3.27E-03	2.17E-06	6.56E-06	3.80E-06	4.40E-06	3.99E-06	1.82E-06	8.17E-07	0.00E+00	0.00E+00	6.99E-07	1.49E-07	9.48E-07	1.46E-07	6.33E-08	2.01E-06
117	486633.18	3855943.15	6.03E-03	6.98E-03	3.13E-03	2.09E-06	6.30E-06	3.65E-06	4.22E-06	3.83E-06	1.75E-06	7.84E-07	0.00E+00	0.00E+00	6.71E-07	1.43E-07	9.10E-07	1.40E-07	6.07E-08	1.93E-06
118	486683.18	3855943.15	5.86E-03	6.79E-03	3.05E-03	2.03E-06	6.13E-06	3.55E-06	4.11E-06	3.72E-06	1.70E-06	7.63E-07	0.00E+00	0.00E+00	6.53E-07	1.39E-07	8.85E-07	1.36E-07	5.91E-08	1.87E-06
119	486733.18	3855943.15	5.66E-03	6.56E-03	2.94E-03	1.96E-06	5.92E-06	3.43E-06	3.97E-06	3.60E-06	1.64E-06	7.37E-07	0.00E+00	0.00E+00	6.30E-07	1.35E-07	8.55E-07	1.32E-07	5.71E-08	1.81E-06
120	486783.18	3855943.15	5.52E-03	6.40E-03	2.87E-03	1.91E-06	5.77E-06	3.34E-06	3.87E-06	3.51E-06	1.60E-06	7.19E-07	0.00E+00	0.00E+00	6.15E-07	1.31E-07	8.34E-07	1.29E-07	5.57E-08	1.76E-06
121	486533.18	3855993.15	6.95E-03	8.05E-03	3.62E-03	2.41E-06	7.27E-06	4.21E-06	4.87E-06	4.42E-06	2.02E-06	9.05E-07	0.00E+00	0.00E+00	7.74E-07	1.65E-07	1.05E-06	1.62E-07	7.01E-08	2.22E-06
122	486583.18	3855993.15	6.71E-03	7.77E-03	3.49E-03	2.32E-06	7.01E-06	4.06E-06	4.70E-06	4.26E-06	1.94E-06	8.73E-07	0.00E+00	0.00E+00	7.47E-07	1.60E-07	1.01E-06	1.56E-07	6.76E-08	2.14E-06
123	486633.18	3855993.15	6.46E-03	7.49E-03	3.36E-03	2.24E-06	6.76E-06	3.91E-06	4.53E-06	4.11E-06	1.87E-06	8.41E-07	0.00E+00	0.00E+00	7.20E-07	1.54E-07	9.76E-07	1.50E-07	6.51E-08	2.06E-06
124	486683.18	3855993.15	6.27E-03	7.26E-03	3.26E-03	2.17E-06	6.55E-06	3.79E-06	4.39E-06	3.98E-06	1.82E-06	8.16E-07	0.00E+00	0.00E+00	6.98E-07	1.49E-07	9.47E-07	1.46E-07	6.32E-08	2.00E-06
125	486733.18	3855993.15	6.06E-03	7.01E-03	3.15E-03	2.10E-06	6.33E-06	3.66E-06	4.24E-06	3.85E-06	1.76E-06	7.88E-07	0.00E+00	0.00E+00	6.74E-07	1.44E-07	9.14E-07	1.41E-07	6.10E-08	1.93E-06
126	486783.18	3855993.15	5.87E-03	6.80E-03	3.05E-03	2.03E-06	6.14E-06	3.55E-06	4.12E-06	3.73E-06	1.70E-06	7.65E-07	0.00E+00	0.00E+00	6.54E-07	1.40E-07	8.87E-07	1.37E-07	5.92E-08	1.88E-06
127	486533.18	3856043.15	7.49E-03	8.67E-03	3.89E-03	2.59E-06	7.83E-06	4.53E-06	5.25E-06	4.76E-06	2.17E-06	9.75E-07	0.00E+00	0.00E+00	8.34E-07	1.78E-07	1.13E-06	1.74E-07	7.55E-08	2.39E-06
128	486583.18	3856043.15	7.23E-03	8.38E-03	3.76E-03	2.50E-06	7.56E-06	4.38E-06	5.07E-06	4.59E-06	2.10E-06	9.41E-07	0.00E+00	0.00E+00	8.05E-07	1.72E-07	1.09E-06	1.68E-07	7.29E-08	2.31E-06
129	486633.18	3856043.15	6.93E-03	8.03E-03	3.60E-03	2.40E-06	7.25E-06	4.19E-06	4.86E-06	4.40E-06	2.01E-06	9.02E-07	0.00E+00	0.00E+00	7.72E-07	1.65E-07	1.05E-06	1.61E-07	6.99E-08	2.21E-06
130	486683.18	3856043.15	6.72E-03	7.78E-03	3.49E-03	2.33E-06	7.03E-06	4.07E-06	4.71E-06	4.27E-06	1.95E-06	8.75E-07	0.00E+00	0.00E+00	7.48E-07	1.60E-07	1.01E-06	1.56E-07	6.77E-08	2.15E-06
131	486733.18	3856043.15	6.46E-03	7.49E-03	3.36E-03	2.24E-06	6.76E-06	3.91E-06	4.53E-06	4.11E-06	1.87E-06	8.41E-07	0.00E+00	0.00E+00	7.20E-07	1.54E-07	9.76E-07	1.50E-07	6.51E-08	2.06E-06
132	486783.18	3856043.15	6.29E-03	7.28E-03	3.27E-03	2.18E-06	6.57E-06	3.80E-06	4.41E-06	3.99E-06	1.82E-06	8.18E-07	0.00E+00	0.00E+00	7.00E-07	1.50E-07	9.49E-07	1.46E-07	6.34E-08	2.01E-06
133	486533.18	3856093.15	8.13E-03	9.42E-03	4.23E-03	2.81E-06	8.50E-06	4.92E-06	5.70E-06	5.17E-06	2.36E-06	1.06E-06	0.00E+00	0.00E+00	9.05E-07	1.93E-07	1.23E-06	1.89E-07	8.19E-08	2.60E-06
134	486583.18	3856093.15	7.78E-03	9.01E-03	4.05E-03	2.69E-06	8.14E-06	4.71E-06	5.45E-06	4.94E-06	2.26E-06	1.01E-06	0.00E+00	0.00E+00	8.66E-07	1.85E-07	1.17E-06	1.81E-07	7.84E-08	2.49E-06
135	486633.18	3856093.15	7.46E-03	8.64E-03	3.88E-03	2.58E-06	7.80E-06	4.51E-06	5.23E-06	4.74E-06	2.16E-06	9.71E-07	0.00E+00	0.00E+00	8.30E-07	1.77E-07	1.13E-06	1.74E-07	7.52E-08	2.38E-06
136	486683.18	3856093.15	7.20E-03	8.33E-03	3.74E-03	2.49E-06	7.52E-06	4.35E-06	5.04E-06	4.57E-06	2.09E-06	9.36E-07	0.00E+00	0.00E+00	8.01E-07	1.71E-07	1.09E-06	1.67E-07	7.25E-08	2.30E-06
137	486733.18	3856093.15	6.92E-03	8.02E-03	3.60E-03	2.40E-06	7.24E-06	4.19E-06	4.85E-06	4.40E-06	2.01E-06	9.01E-07	0.00E+00	0.00E+00	7.71E-07	1.65E-07	1.04E-06	1.61E-07	6.97E-08	2.21E-06
138	486783.18	3856093.15	6.70E-03	7.76E-03	3.48E-03	2.32E-06	7.00E-06	4.05E-06	4.69E-06	4.26E-06	1.94E-06	8.72E-07	0.00E+00	0.00E+00	7.46E-07	1.59E-07	1.01E-06	1.56E-07	6.75E-08	2.14E-06
139	486533.18	3856143.15	8.80E-03	1.02E-02	4.57E-03	3.04E-06	9.19E-06	5.32E-06	6.16E-06	5.59E-06	2.55E-06	1.14E-06	0.00E+00	0.00E+00	9.79E-07	2.09E-07	1.33E-06	2.05E-07	8.86E-08	2.81E-06
140	486583.18	3856143.15	8.36E-03	9.68E-03	4.35E-03	2.89E-06	8.74E-06	5.06E-06	5.86E-06	5.31E-06	2.42E-06	1.09E-06	0.00E+00	0.00E+00	9.30E-07	1.99E-07	1.26E-06	1.95E-07	8.42E-08	2.67E-06
141	486633.18	3856143.15	8.03E-03	9.30E-03	4.17E-03	2.78E-06	8.39E-06	4.86E-06	5.63E-06	5.10E-06	2.33E-06	1.04E-06	0.00E+00	0.00E+00	8.94E-07	1.91E-07	1.21E-06	1.87E-07	8.09E-08	2.56E-06
142	486683.18	3856143.15	7.70E-03	8.92E-03	4.01E-03	2.67E-06	8.05E-06	4.66E-06	5.40E-06	4.89E-06	2.23E-06	1.00E-06	0.00E+00	0.00E+00	8.58E-07	1.83E-07	1.16E-06	1.79E-07	7.76E-08	2.46E-06
143	486733.18	3856143.15	7.41E-03	8.58E-03	3.85E-03	2.56E-06	7.74E-06	4.48E-06	5.19E-06	4.71E-06	2.15E-06	9.64E-07	0.00E+00	0.00E+00	8.25E-07	1.76E-07	1.12E-06	1.72E-07	7.46E-08	2.37E-06
144	486783.18	3856143.15	7.19E-03	8.32E-03	3.74E-03	2.49E-06	7.51E-06	4.35E-06	5.04E-06	4.57E-06	2.08E-06	9.35E-07	0.00E+00	0.00E+00	8.00E-07	1.71E-07	1.08E-06	1.67E-07	7.24E-08	2.30E-06
145	486533.18	3856193.15	9.59E-03	1.11E-02	4.98E-03	3.32E-06	1.00E-05	5.80E-06	6.72E-06	6.09E-06	2.78E-06	1.25E-06	0.00E+00	0.00E+00	1.07E-06	2.28E-07	1.45E-06	2.23E-07	9.66E-08	3.06E-06
146	486583.18	3856193.15	9.04E-03	1.05E-02	4.70E-03	3.13E-06	9.45E-06	5.47E-06	6.33E-06	5.74E-06	2.62E-06	1.18E-06	0.00E+00	0.00E+00	1.01E-06	2.15E-07	1.36E-06	2.10E-07	9.11E-08	2.89E-06
147	486633.18	3856193.15	8.65E-03	1.00E-02	4.50E-03	2.99E-06	9.04E-06	5.23E-06	6.06E-06	5.49E-06	2.51E-06	1.13E-06	0.00E+00	0.00E+00	9.63E-07	2.06E-07	1.31E-06	2.01E-07	8.71E-08	2.76E-06
148	486683.18	3856193.15	8.33E-03	9.64E-03	4.33E-03	2.88E-06	8.70E-06	5.04E-06	5.84E-06	5.29E-06	2.41E-06	1.08E-06	0.00E+00	0.00E+00	9.27E-07	1.98E-07	1.26E-06	1.94E-07	8.39E-08	2.66E-06
149	486733.18	3856193.15	7.96E-03	9.22E-03	4.14E-03	2.76E-06	8.32E-06	4.82E-06	5.58E-06	5.06E-06	2.31E-06	1.04E-06	0.00E+00	0.00E+00	8.86E-07	1.89E-07	1.20E-06	1.85E-07	8.02E-08	2.54E-06
150	486783.18	3856193.15	7.70E-03	8.92E-03	4.00E-03	2.66E-06	8.05E-06	4.66E-06	5.39E-06	4.89E-06	2.23E-06	1.00E-06	0.00E+00	0.00E+00	8.57E-07	1.83E-07	1.16E-06	1.79E-07	7.76E-08	2.46E-06
151	486533.18	3856243.15	1.05E-02	1.21E-02	5.43E-03	3.62E-06	1.09E-05	6.32E-06	7.32E-06	6.64E-06	3.03E-06	1.36E-06	0.00E+00	0.00E+00	1.16E-06	2.49E-07	1.58E-06	2.43E-07	1.05E-07	3.34E-06
152	486583.18	3856243.15	9.87E-03	1.14E-02	5.13E-03	3.42E-06	1.03E-05	5.97E-06	6.92E-06	6.27E-06	2.86E-06	1.28E-06	0.00E+00	0.00E+00	1.10E-06	2.35E-07	1.49E-06	2.30E-07	9.95E-08	3.15E-06
153	486633.18	3856243.15	9.37E-03	1.09E-02	4.87E-03	3.24E-06	9.79E-06	5.67E-06	6.57E-06	5.95E-06	2.72E-06	1.22E-06	0.00E+00	0.00E+00	1.04E-06	2.23E-07	1.41E-06	2.18E-07	9.44E-08	2.99E-06
154	486683.18	3856243.15	8.95E-03	1.04E-02	4.65E-03	3.10E-06	9.36E-06	5.42E-06	6.27E-06	5.69E-06	2.60E-06	1.16E-06	0.00E+00	0.00E+00	9.97E-07	2.13E-07	1.35E-06	2.08E-07	9.02E-08	2.86E-06
155	486733.18	3856243.15	8.59E-03	9.95E-03	4.47E-03	2.97E-06	8.98E-06	5.20E-06	6.02E-06	5.46E-06	2.49E-06	1.12E-06	0.00E+00	0.00E+00	9.57E-07	2.04E-07	1.30E-06	2.00E-07	8.66E-08	2.74E-06
156	486783.18	3856243.15	8.23E-03	9.53E-03	4.28E-03	2.85E-06	8.60E-06	4.98E-06	5.77E-06	5.23E-06	2.39E-06	1.07E-06	0.00E+00	0.00E+00	9.16E-07	1.96E-07	1.24E-06	1.92E-07	8.29E-08	2.63E-06
157	486533.18	3856293.15	1.15E-02	1.33E-02	5.98E-03	3.98E-06	1.20E-05	6.96E-06	8.06E-06	7.30E-06	3.33E-06	1.50E-06	0.00E+00	0.00E+00	1.28E-06	2.73E-07	1.74E-06	2.68E-07	1.16E-07	3.67E-06
158	486583.18	3856293.15	1.08E-02	1.25E-02	5.60E-03	3.73E-06	1.13E-05	6.52E-06	7.56E-06	6.85E-06	3.13E-06	1.40E-06	0.00E+00	0.00E+00	1.20E-06	2.56E-07	1.63E-06	2.51E-07	1.09E-07	3.44E-06
159	486633.18	3856293.15	1.02E-02	1.18E-02	5.30E-03	3.53E-06	1.07E-05	6.17E-06	7.14E-06	6.48E-06	2.96E-06	1.33E-06	0.00E+00	0.00E+00	1.13E-06	2.43E-07	1.54E-06	2.37E-07	1.03E-07	3.26E-06
160	486683.18	3856293.15	9.69E-03	1.12E-02	5.04E-03	3.35E-06	1.01E-05	5.86E-06	6.79E-06	6.15E-06	2.81E-06	1.26E-06	0.00E+00	0.00E+00	1.08E-06	2.30E-07	1.46E-06	2.25E-07	9.76E-08	3.09E-06
161	486733.18	3856293.15	9.28E-03	1.07E-02	4.82E-03	3.21E-06	9.70E-06	5.61E-06	6.50E-06	5.89E-06	2.69E-06	1.21E-06	0.00E+00	0.00E+00	1.03E-06	2.21E-07	1.40E-06	2.16E-07	9.35E-08	2.96E-06
162	486783.18	3856293.15	8.85E-03	1.02E-02	4.60E-03	3.06E-06	9.25E-06	5.35E-06	6.20E-06	5.62E-06	2.56E-06	1.15E-06	0.00E+00	0.00E+00	9.85E-07	2.10E-07	1.34E-06	2.06E-07	8.91E-08	2.83E-06
163	486783.18	3856343.15	9.58E-03	1.11E-02	4.98E-03	3.32E-06	1.00E-05	5.80E-06	6.72E-06	6.09E-06	2.78E-06	1.25E-06	0.00E+00	0.00E+00	1.07E-06	2.28E-07	1.45E-06	2.23E-07	9.65E-08	3.06E-06
164	486833.18	3856343.15	9.14E-03	1.06E-02	4.75E-03	3.16E-06	9.55E-06	5.53E-06	6.40E-06	5.80E-06	2.65E-06	1.19E-06	0.00E+00	0.00E+00	1.02E-06	2.17E-07	1.38E-06	2.13E-07	9.20E-08	2.92E-06
165	486883.18	3856343.15	8.73E-03	1.01E-02	4.54E-03	3.02E-06	9.13E-06	5.28E-06	6.12E-06	5.55E-06	2.53E-06	1.14E-06	0.00E+00	0.00E+00	9.72E-07	2.08E-07	1.32E-06	2.03E-07	8.80E-08	2.79E-06
166	486783.18	3856393.15	1.03E-02	1.20E-02	5.37E-03	3.58E-06	1.08E-05	6.25E-06	7.24E-06	6.57E-06	3.00E-06	1.34E-06	0.00E+00	0.00E+00	1.15E-06	2.46E-07	1.56E-06	2.41E-07	1.04E-07	3.30E-06
167	486833.18	3856393.15	9.82E-03	1.14E-02	5.11E-03	3.40E-06	1.03E-05	5.94E-06	6.88E-06	6.24E-06	2.85E-06	1.28E-06	0.00E+00	0.00E+00	1.09E-06	2.34E-07	1.48E-06	2.29E-07	9.89E-08	3.14E-06
168	486883.18	3856393.15	9.32E-03	1.08E-02	4.85E-03	3.23E-06	9.75E-06	5.64E-06	6.53E-06	5.92E-06	2.70E-06	1.21E-06	0.00E+00	0.00E+00	1.04E-06	2.22E-07	1.41E-06	2.17E-07	9.39E-08	2.98E-06
169	487208.74	3856886.11	1.31E-02	1.51E-02	6.79E-03	4.52E-06	1.37E-05	7.91E-06	9.16E-06	8.30E-06	3.79E-06	1.70E-06	0.00E+00	0.00E+00	1.45E-06	3.11E-07	1.97E-06	3.04E-07	1.32E-07	4.17E-06
170	487258.74	3856886.11	1.20E-02	1.39E-02	6.23E-03	4.15E-06	1.25E-05	7.25E-06	8.40E-06	7.62E-06	3.47E-06	1.56E-06	0.00E+00	0.00E+00	1.33E-06	2.85E-07	1.81E-06	2.79E-07	1.21E-07	3.83E-06
171	487308.74	3856886.11	1.11E-02	1.28E-02	5.74E-03	3.83E-06	1.16E-05	6.69E-06	7.74E-06	7.02E-06	3.20E-06	1.44E-06	0.00E+00	0.00E+00	1.23E-06	2.63E-07	1.67E-06	2.57E-07	1.11E-07	3.53E-06
172	487358.74	3856886.11	1.02E-02	1.19E-02	5.32E-03	3.54E-06	1.07E-05	6.19E-06	7.17E-06	6.50E-06	2.97E-06	1.33E-06	0.00E+00	0.00E+00	1.14E-06	2.43E-07	1.54E-06	2.38E-07	1.03E-07	3.27E-06
173	487208.74	3856936.11	1.41E-02	1.63E-02	7.32E-03	4.88E-06	1.47E-05	8.53E-06	9.88E-06	8.95E-06	4.09E-06	1.83E-06	0.00E+00	0.00E+00	1.57E-06	3.35E-07	2.13E-06	3.28E-07	1.42E-07	4.50E-06
174	487258.74	3856936.11	1.27E-02	1.47E-02	6.61E-03	4.40E-06	1.33E-05	7.69E-06	8.91E-06	8.08E-06	3.69E-06	1.65E-06	0.00E+00	0.00E+00	1.42E-06	3.02E-07	1.92E-06	2.96E-07	1.28E-07	4.06E-06
175	487308.74	3856936.11	1.15E-02	1.34E-02	6.00E-03	4.00E-06	1.21E-05	6.98E-06	8.09E-06	7.33E-06	3.35E-06	1.50E-06	0.00E+00	0.00E+00	1.28E-06	2.75E-07	1.74E-06	2.69E-07	1.16E-07	3.69E-06
176	487358.74	3856936.11	1.05E-02	1.22E-02	5.48E-03	3.65E-06	1.10E-05	6.38E-06	7.39E-06	6.70E-06	3.06E-06	1.37E-06	0.00E+00	0.00E+00	1.17E-06	2.51E-07	1.59E-06	2.46E-07	1.06E-07	3.37E-06
177	487208.74	3856986.11	1.50E-02	1.74E-02	7.78E-03	5.19E-06	1.57E-05	9.06E-06	1.05E-05	9.52E-06	4.34E-06	1.95E-06	0.00E+00	0.00E+00	1.67E-06	3.56E-07	2.26E-06	3.49E-07	1.51E-07	4.78E-06
178	487258.74	3856986.11	1.32E-02	1.52E-02	6.84E-03	4.55E-06	1.38E-05	7.96E-06	9.22E-06	8.36E-06	3.81E-06	1.71E-06	0.00E+00	0.00E+00	1.46E-06	3.13E-07	1.99E-06	3.06E-07	1.32E-07	4.20E-06
179	487308.74	3856986.11	1.17E-02	1.36E-02	6.10E-03	4.07E-06	1.23E-05	7.11E-06	8.23E-06	7.46E-06	3.40E-06	1.53E-06	0.00E+00	0.00E+00	1.31E-06	2.79E-07	1.77E-06	2.73E-07	1.18E-07	3.75E-06
180	487358.74	3856986.11	1.06E-02	1.23E-02	5.50E-03	3.66E-06	1.11E-05	6.40E-06	7.41E-06	6.72E-06	3.07E-06	1.38E-06	0.00E+00	0.00E+00	1.18E-06	2.52E-07	1.60E-06	2.46E-07	1.07E-07	3.38E-06
181	487208.74	3857036.11	1.49E-02	1.73E-02	7.76E-03	5.17E-06	1.56E-05	9.04E-06	1.05E-05	9.49E-06	4.33E-06	1.94E-06	0.00E+00	0.00E+00	1.66E-06	3.55E-07	2.26E-06	3.48E-07	1.50E-07	4.77E-06
182	487258.74	3857036.11	1.29E-02	1.49E-02	6.69E-03	4.46E-06	1.35E-05	7.79E-06	9.03E-06	8.18E-06	3.73E-06	1.68E-06	0.00E+00	0.00E+00	1.43E-06	3.06E-07	1.94E-06	3.00E-07	1.30E-07	4.11E-06
183	487308.74	3857036.11	1.13E-02	1.31E-02	5.89E-03	3.92E-06	1.18E-05	6.86E-06	7.94E-06	7.20E-06	3.29E-06	1.47E-06	0.00E+00	0.00E+00	1.26E-06	2.70E-07	1.71E-06	2.64E-07	1.14E-07	3.62E-06
184	487358.74	3857036.11	1.01E-02	1.18E-02	5.27E-03	3.51E-06	1.06E-05	6.14E-06	7.11E-06	6.45E-06	2.94E-06	1.32E-06	0.00E+00	0.00E+00	1.13E-06	2.41E-07	1.53E-06	2.36E-07	1.02E-07	3.24E-06
185	487427.14	3856878.23	9.22E-03	1.07E-02	4.79E-03	3.19E-06	9.63E-06	5.58E-06	6.46E-06	5.85E-06	2.67E-06	1.20E-06	0.00E+00	0.00E+00	1.03E-06	2.19E-07	1.39E-06	2.15E-07	9.28E-08	2.94E-06
186	487477.14	3856878.23	8.61E-03	9.97E-03	4.47E-03	2.98E-06	9.00E-06	5.21E-06	6.03E-06	5.47E-06	2.50E-06	1.12E-06	0.00E+00	0.00E+00	9.58E-07	2.05E-07	1.30E-06	2.00E-07	8.67E-08	2.75E-06
187	487527.14	3856878.23	8.07E-03	9.34E-03	4.19E-03	2.79E-06	8.43E-06	4.88E-06	5.65E-06	5.12E-06	2.34E-06	1.05E-06	0.00E+00	0.00E+00	8.98E-07	1.92E-07	1.22E-06	1.88E-07	8.13E-08	2.58E-06
188	487427.14	3856928.23	9.39E-03	1.09E-02	4.88E-03	3.25E-06	9.82E-06	5.68E-06	6.58E-06	5.97E-06	2.72E-06	1.22E-06	0.00E+00	0.00E+00	1.05E-06	2.23E-07	1.42E-06	2.19E-07	9.46E-08	3.00E-06
189	487477.14	3856928.23	8.71E-03	1.01E-02	4.53E-03	3.02E-06	9.10E-06	5.27E-06	6.10E-06	5.53E-06	2.53E-06	1.13E-06	0.00E+00	0.00E+00	9.70E-07	2.07E-07	1.31E-06	2.03E-07	8.77E-08	2.78E-06
190	487527.14	3856928.23	8.11E-03	9.39E-03	4.21E-03	2.81E-06	8.47E-06	4.90E-06	5.68E-06	5.15E-06	2.35E-06	1.05E-06	0.00E+00	0.00E+00	9.02E-07	1.93E-07	1.22E-06	1.89E-07	8.16E-08	2.59E-06
191	487577.14	3856928.23	7.57E-03	8.77E-03	3.94E-03	2.62E-06	7.92E-06	4.58E-06	5.31E-06	4.81E-06	2.20E-06	9.85E-07	0.00E+00	0.00E+00	8.43E-07	1.80E-07	1.14E-06	1.76E-07	7.63E-08	2.42E-06
192	487627.14	3856928.23	7.11E-03	8.23E-03	3.69E-03	2.46E-06	7.43E-06	4.30E-06	4.98E-06	4.51E-06	2.06E-06	9.25E-07	0.00E+00	0.00E+00	7.91E-07	1.69E-07	1.07E-06	1.65E-07	7.16E-08	2.27E-06
193	487677.14	3856928.23	6.68E-03	7.74E-03	3.47E-03	2.31E-06	6.98E-06	4.04E-06	4.68E-06	4.24E-06	1.94E-06	8.69E-07	0.00E+00	0.00E+00	7.44E-07	1.59E-07	1.01E-06	1.56E-07	6.73E-08	2.13E-06
194	487727.14	3856928.23	6.30E-03	7.30E-03	3.27E-03	2.18E-06	6.58E-06	3.81E-06	4.41E-06	4.00E-06	1.83E-06	8.20E-07	0.00E+00	0.00E+00	7.01E-07	1.50E-07	9.51E-07	1.47E-07	6.35E-08	2.01E-06
195	487777.14	3856928.23	5.96E-03	6.90E-03	3.10E-03	2.06E-06	6.23E-06	3.61E-06	4.18E-06	3.79E-06	1.73E-06	7.75E-07	0.00E+00	0.00E+00	6.63E-07	1.42E-07	9.00E-07	1.39E-07	6.00E-08	1.90E-06
196	487427.14	3856978.23	9.36E-03	1.08E-02	4.86E-03	3.24E-06	9.78E-06	5.66E-06	6.56E-06	5.94E-06	2.71E-06	1.22E-06	0.00E+00	0.00E+00	1.04E-06	2.23E-07	1.41E-06	2.18E-07	9.42E-08	2.99E-06
197	487477.14	3856978.23	8.61E-03	9.97E-03	4.47E-03	2.98E-06	9.00E-06	5.21E-06	6.03E-06	5.47E-06	2.50E-06	1.12E-06	0.00E+00	0.00E+00	9.58E-07	2.05E-07	1.30E-06	2.00E-07	8.67E-08	2.75E-06
198	487527.14	3856978.23	7.97E-03	9.23E-03	4.14E-03	2.76E-06	8.33E-06	4.82E-06	5.58E-06	5.06E-06	2.31E-06	1.04E-06	0.00E+00	0.00E+00	8.87E-07	1.89E-07	1.20E-06	1.85E-07	8.02E-08	2.54E-06
199	487577.14	3856978.23	7.41E-03	8.59E-03	3.85E-03	2.57E-06	7.75E-06	4.49E-06	5.20E-06	4.71E-06	2.15E-06	9.64E-07	0.00E+00	0.00E+00	8.25E-07	1.76E-07	1.12E-06	1.73E-07	7.47E-08	2.37E-06
200	487627.14	3856978.23	6.94E-03	8.03E-03	3.61E-03	2.40E-06	7.25E-06	4.20E-06	4.86E-06	4.41E-06	2.01E-06	9.02E-07	0.00E+00	0.00E+00	7.72E-07	1.65E-07	1.05E-06	1.61E-07	6.99E-08	2.22E-06
201	487677.14	3856978.23	6.50E-03	7.53E-03	3.38E-03	2.25E-06	6.80E-06	3.94E-06	4.56E-06	4.13E-06	1.89E-06	8.46E-07	0.00E+00	0.00E+00	7.24E-07	1.55E-07	9.82E-07	1.51E-07	6.55E-08	2.08E-06
202	487727.14	3856978.23	6.14E-03	7.11E-03	3.19E-03	2.12E-06	6.42E-06	3.71E-06	4.30E-06	3.90E-06	1.78E-06	7.99E-07	0.00E+00	0.00E+00	6.83E-07	1.46E-07	9.27E-07	1.43E-07	6.18E-08	1.96E-06
203	487777.14	3856978.23	5.78E-03	6.69E-03	3.00E-03	2.00E-06	6.04E-06	3.50E-06	4.05E-06	3.67E-06	1.68E-06	7.52E-07	0.00E+00	0.00E+00	6.43E-07	1.37E-07	8.72E-07	1.35E-07	5.82E-08	1.85E-06

204	487427.14	3857028.23	8.98E-03	1.04E-02	4.67E-03	3.11E-06	9.38E-06	5.43E-06	6.29E-06	5.70E-06	2.60E-06	1.17E-06	0.00E+00	0.00E+00	9.99E-07	2.14E-07	1.36E-06	2.09E-07	9.04E-08	2.87E-06
205	487477.14	3857028.23	8.24E-03	9.54E-03	4.28E-03	2.85E-06	8.61E-06	4.98E-06	5.77E-06	5.23E-06	2.39E-06	1.07E-06	0.00E+00	0.00E+00	9.17E-07	1.96E-07	1.24E-06	1.92E-07	8.30E-08	2.63E-06
206	487527.14	3857028.23	7.61E-03	8.82E-03	3.96E-03	2.64E-06	7.96E-06	4.61E-06	5.33E-06	4.84E-06	2.21E-06	9.90E-07	0.00E+00	0.00E+00	8.47E-07	1.81E-07	1.15E-06	1.77E-07	7.67E-08	2.43E-06
207	487577.14	3857028.23	7.07E-03	8.19E-03	3.68E-03	2.45E-06	7.39E-06	4.28E-06	4.96E-06	4.49E-06	2.05E-06	9.20E-07	0.00E+00	0.00E+00	7.87E-07	1.68E-07	1.07E-06	1.65E-07	7.13E-08	2.26E-06
208	487627.14	3857028.23	6.62E-03	7.66E-03	3.44E-03	2.29E-06	6.92E-06	4.00E-06	4.64E-06	4.20E-06	1.92E-06	8.61E-07	0.00E+00	0.00E+00	7.37E-07	1.57E-07	9.99E-07	1.54E-07	6.67E-08	2.11E-06
209	487677.14	3857028.23	6.21E-03	7.19E-03	3.23E-03	2.15E-06	6.49E-06	3.76E-06	4.35E-06	3.94E-06	1.80E-06	8.08E-07	0.00E+00	0.00E+00	6.91E-07	1.48E-07	9.37E-07	1.44E-07	6.25E-08	1.98E-06
210	487727.14	3857028.23	5.84E-03	6.76E-03	3.03E-03	2.02E-06	6.10E-06	3.53E-06	4.09E-06	3.71E-06	1.69E-06	7.60E-07	0.00E+00	0.00E+00	6.50E-07	1.39E-07	8.81E-07	1.36E-07	5.88E-08	1.86E-06
211	487777.14	3857028.23	5.51E-03	6.39E-03	2.87E-03	1.91E-06	5.76E-06	3.34E-06	3.86E-06	3.50E-06	1.60E-06	7.18E-07	0.00E+00	0.00E+00	6.14E-07	1.31E-07	8.32E-07	1.28E-07	5.56E-08	1.76E-06
212	487427.14	3857078.23	8.26E-03	9.57E-03	4.29E-03	2.86E-06	8.63E-06	5.00E-06	5.79E-06	5.25E-06	2.39E-06	1.07E-06	0.00E+00	0.00E+00	9.20E-07	1.97E-07	1.25E-06	1.92E-07	8.32E-08	2.64E-06
213	487477.14	3857078.23	7.61E-03	8.81E-03	3.95E-03	2.63E-06	7.95E-06	4.60E-06	5.33E-06	4.83E-06	2.21E-06	9.90E-07	0.00E+00	0.00E+00	8.47E-07	1.81E-07	1.15E-06	1.77E-07	7.66E-08	2.43E-06
214	487527.14	3857078.23	7.05E-03	8.16E-03	3.66E-03	2.44E-06	7.37E-06	4.26E-06	4.94E-06	4.48E-06	2.04E-06	9.17E-07	0.00E+00	0.00E+00	7.84E-07	1.68E-07	1.06E-06	1.64E-07	7.10E-08	2.25E-06
215	487577.14	3857078.23	6.57E-03	7.61E-03	3.42E-03	2.27E-06	6.87E-06	3.97E-06	4.60E-06	4.17E-06	1.90E-06	8.55E-07	0.00E+00	0.00E+00	7.31E-07	1.56E-07	9.92E-07	1.53E-07	6.62E-08	2.10E-06
216	487627.14	3857078.23	6.16E-03	7.13E-03	3.20E-03	2.13E-06	6.44E-06	3.73E-06	4.32E-06	3.91E-06	1.79E-06	8.01E-07	0.00E+00	0.00E+00	6.86E-07	1.46E-07	9.30E-07	1.43E-07	6.20E-08	1.97E-06
217	487677.14	3857078.23	5.79E-03	6.71E-03	3.01E-03	2.00E-06	6.05E-06	3.50E-06	4.06E-06	3.68E-06	1.68E-06	7.54E-07	0.00E+00	0.00E+00	6.45E-07	1.38E-07	8.74E-07	1.35E-07	5.84E-08	1.85E-06
218	487727.14	3857078.23	5.46E-03	6.33E-03	2.84E-03	1.89E-06	5.71E-06	3.31E-06	3.83E-06	3.47E-06	1.58E-06	7.11E-07	0.00E+00	0.00E+00	6.08E-07	1.30E-07	8.25E-07	1.27E-07	5.51E-08	1.74E-06
219	487777.14	3857078.23	5.18E-03	6.00E-03	2.69E-03	1.79E-06	5.41E-06	3.13E-06	3.63E-06	3.29E-06	1.50E-06	6.74E-07	0.00E+00	0.00E+00	5.76E-07	1.23E-07	7.81E-07	1.20E-07	5.22E-08	1.65E-06
220	487427.14	3857128.23	7.30E-03	8.45E-03	3.79E-03	2.53E-06	7.63E-06	4.42E-06	5.11E-06	4.64E-06	2.12E-06	9.49E-07	0.00E+00	0.00E+00	8.12E-07	1.74E-07	1.10E-06	1.70E-07	7.35E-08	2.33E-06
221	487477.14	3857128.23	6.79E-03	7.86E-03	3.53E-03	2.35E-06	7.09E-06	4.11E-06	4.76E-06	4.31E-06	1.97E-06	8.83E-07	0.00E+00	0.00E+00	7.55E-07	1.61E-07	1.02E-06	1.58E-07	6.84E-08	2.17E-06
222	487527.14	3857128.23	6.34E-03	7.35E-03	3.30E-03	2.20E-06	6.63E-06	3.84E-06	4.45E-06	4.03E-06	1.84E-06	8.25E-07	0.00E+00	0.00E+00	7.06E-07	1.51E-07	9.57E-07	1.48E-07	6.39E-08	2.03E-06
223	487577.14	3857128.23	5.95E-03	6.89E-03	3.09E-03	2.06E-06	6.22E-06	3.60E-06	4.17E-06	3.78E-06	1.72E-06	7.74E-07	0.00E+00	0.00E+00	6.62E-07	1.42E-07	8.98E-07	1.38E-07	5.99E-08	1.90E-06
224	487627.14	3857128.23	5.60E-03	6.49E-03	2.91E-03	1.94E-06	5.86E-06	3.39E-06	3.93E-06	3.56E-06	1.62E-06	7.29E-07	0.00E+00	0.00E+00	6.24E-07	1.33E-07	8.46E-07	1.30E-07	5.65E-08	1.79E-06
225	487677.14	3857128.23	5.30E-03	6.14E-03	2.76E-03	1.84E-06	5.54E-06	3.21E-06	3.72E-06	3.37E-06	1.54E-06	6.90E-07	0.00E+00	0.00E+00	5.90E-07	1.26E-07	8.00E-07	1.23E-07	5.34E-08	1.69E-06
226	487727.14	3857128.23	5.02E-03	5.82E-03	2.61E-03	1.74E-06	5.25E-06	3.04E-06	3.52E-06	3.19E-06	1.46E-06	6.53E-07	0.00E+00	0.00E+00	5.59E-07	1.19E-07	7.58E-07	1.17E-07	5.06E-08	1.60E-06
227	487777.14	3857128.23	4.78E-03	5.53E-03	2.48E-03	1.65E-06	4.99E-06	2.89E-06	3.35E-06	3.04E-06	1.38E-06	6.22E-07	0.00E+00	0.00E+00	5.32E-07	1.14E-07	7.21E-07	1.11E-07	4.82E-08	1.53E-06
228	488049.44	3856539.39	4.51E-03	5.23E-03	2.35E-03	1.56E-06	4.72E-06	2.73E-06	3.16E-06	2.87E-06	1.31E-06	5.87E-07	0.00E+00	0.00E+00	5.02E-07	1.07E-07	6.81E-07	1.05E-07	4.55E-08	1.44E-06
229	488099.44	3856539.39	4.38E-03	5.07E-03	2.27E-03	1.51E-06	4.57E-06	2.65E-06	3.07E-06	2.78E-06	1.27E-06	5.69E-07	0.00E+00	0.00E+00	4.87E-07	1.04E-07	6.60E-07	1.02E-07	4.41E-08	1.40E-06
230	488149.44	3856539.39	4.24E-03	4.92E-03	2.21E-03	1.47E-06	4.44E-06	2.57E-06	2.97E-06	2.70E-06	1.23E-06	5.52E-07	0.00E+00	0.00E+00	4.72E-07	1.01E-07	6.41E-07	9.88E-08	4.28E-08	1.36E-06
231	488049.44	3856589.39	4.60E-03	5.33E-03	2.39E-03	1.59E-06	4.81E-06	2.78E-06	3.22E-06	2.92E-06	1.33E-06	5.99E-07	0.00E+00	0.00E+00	5.12E-07	1.09E-07	6.94E-07	1.07E-07	4.63E-08	1.47E-06
232	488099.44	3856589.39	4.45E-03	5.16E-03	2.32E-03	1.54E-06	4.65E-06	2.69E-06	3.12E-06	2.83E-06	1.29E-06	5.79E-07	0.00E+00	0.00E+00	4.96E-07	1.06E-07	6.72E-07	1.04E-07	4.49E-08	1.42E-06
233	488149.44	3856589.39	4.31E-03	4.99E-03	2.24E-03	1.49E-06	4.51E-06	2.61E-06	3.02E-06	2.74E-06	1.25E-06	5.61E-07	0.00E+00	0.00E+00	4.80E-07	1.03E-07	6.51E-07	1.00E-07	4.35E-08	1.38E-06
234	488199.44	3856589.39	4.18E-03	4.84E-03	2.17E-03	1.45E-06	4.37E-06	2.53E-06	2.93E-06	2.65E-06	1.21E-06	5.44E-07	0.00E+00	0.00E+00	4.65E-07	9.94E-08	6.31E-07	9.73E-08	4.21E-08	1.33E-06
235	488249.44	3856589.39	4.05E-03	4.69E-03	2.11E-03	1.40E-06	4.23E-06	2.45E-06	2.84E-06	2.57E-06	1.17E-06	5.27E-07	0.00E+00	0.00E+00	4.51E-07	9.64E-08	6.12E-07	9.43E-08	4.08E-08	1.29E-06
236	488049.44	3856639.39	4.67E-03	5.41E-03	2.43E-03	1.62E-06	4.88E-06	2.83E-06	3.27E-06	2.97E-06	1.35E-06	6.08E-07	0.00E+00	0.00E+00	5.20E-07	1.11E-07	7.05E-07	1.09E-07	4.71E-08	1.49E-06
237	488099.44	3856639.39	4.52E-03	5.23E-03	2.35E-03	1.56E-06	4.72E-06	2.73E-06	3.16E-06	2.87E-06	1.31E-06	5.88E-07	0.00E+00	0.00E+00	5.03E-07	1.07E-07	6.81E-07	1.05E-07	4.55E-08	1.44E-06
238	488149.44	3856639.39	4.37E-03	5.06E-03	2.27E-03	1.51E-06	4.56E-06	2.64E-06	3.06E-06	2.77E-06	1.27E-06	5.68E-07	0.00E+00	0.00E+00	4.86E-07	1.04E-07	6.59E-07	1.02E-07	4.40E-08	1.39E-06
239	488199.44	3856639.39	4.22E-03	4.89E-03	2.20E-03	1.46E-06	4.41E-06	2.56E-06	2.96E-06	2.68E-06	1.22E-06	5.50E-07	0.00E+00	0.00E+00	4.70E-07	1.00E-07	6.38E-07	9.83E-08	4.26E-08	1.35E-06
240	488249.44	3856639.39	4.09E-03	4.74E-03	2.13E-03	1.42E-06	4.27E-06	2.47E-06	2.87E-06	2.60E-06	1.19E-06	5.32E-07	0.00E+00	0.00E+00	4.55E-07	9.73E-08	6.17E-07	9.52E-08	4.12E-08	1.31E-06
241	488299.44	3856639.39	3.96E-03	4.59E-03	2.06E-03	1.37E-06	4.14E-06	2.40E-06	2.78E-06	2.52E-06	1.15E-06	5.15E-07	0.00E+00	0.00E+00	4.41E-07	9.42E-08	5.98E-07	9.22E-08	3.99E-08	1.26E-06
242	488349.44	3856639.39	3.84E-03	4.45E-03	2.00E-03	1.33E-06	4.01E-06	2.32E-06	2.69E-06	2.44E-06	1.11E-06	5.00E-07	0.00E+00	0.00E+00	4.27E-07	9.13E-08	5.79E-07	8.94E-08	3.87E-08	1.23E-06
243	488399.44	3856639.39	3.72E-03	4.31E-03	1.94E-03	1.29E-06	3.89E-06	2.25E-06	2.61E-06	2.36E-06	1.08E-06	4.84E-07	0.00E+00	0.00E+00	4.14E-07	8.85E-08	5.62E-07	8.66E-08	3.75E-08	1.19E-06
244	488099.44	3856689.39	4.56E-03	5.28E-03	2.37E-03	1.58E-06	4.76E-06	2.76E-06	3.19E-06	2.90E-06	1.32E-06	5.93E-07	0.00E+00	0.00E+00	5.07E-07	1.08E-07	6.88E-07	1.06E-07	4.59E-08	1.46E-06
245	488149.44	3856689.39	4.40E-03	5.10E-03	2.29E-03	1.52E-06	4.60E-06	2.66E-06	3.08E-06	2.80E-06	1.28E-06	5.73E-07	0.00E+00	0.00E+00	4.90E-07	1.05E-07	6.64E-07	1.02E-07	4.43E-08	1.41E-06
246	488199.44	3856689.39	4.25E-03	4.92E-03	2.21E-03	1.47E-06	4.44E-06	2.57E-06	2.98E-06	2.70E-06	1.23E-06	5.53E-07	0.00E+00	0.00E+00	4.73E-07	1.01E-07	6.42E-07	9.89E-08	4.28E-08	1.36E-06
247	488249.44	3856689.39	4.11E-03	4.76E-03	2.14E-03	1.42E-06	4.30E-06	2.49E-06	2.88E-06	2.61E-06	1.19E-06	5.35E-07	0.00E+00	0.00E+00	4.58E-07	9.78E-08	6.20E-07	9.57E-08	4.14E-08	1.31E-06
248	488299.44	3856689.39	3.97E-03	4.60E-03	2.07E-03	1.38E-06	4.15E-06	2.41E-06	2.79E-06	2.52E-06	1.15E-06	5.17E-07	0.00E+00	0.00E+00	4.42E-07	9.45E-08	6.00E-07	9.25E-08	4.01E-08	1.27E-06
249	488349.44	3856689.39	3.85E-03	4.46E-03	2.00E-03	1.33E-06	4.02E-06	2.33E-06	2.70E-06	2.44E-06	1.12E-06	5.01E-07	0.00E+00	0.00E+00	4.28E-07	9.15E-08	5.81E-07	8.96E-08	3.88E-08	1.23E-06
250	488399.44	3856689.39	3.73E-03	4.32E-03	1.94E-03	1.29E-06	3.90E-06	2.26E-06	2.61E-06	2.37E-06	1.08E-06	4.85E-07	0.00E+00	0.00E+00	4.15E-07	8.87E-08	5.63E-07	8.68E-08	3.76E-08	1.19E-06
251	488099.44	3856739.39	4.58E-03	5.30E-03	2.38E-03	1.58E-06	4.78E-06	2.77E-06	3.21E-06	2.91E-06	1.33E-06	5.96E-07	0.00E+00	0.00E+00	5.09E-07	1.09E-07	6.91E-07	1.07E-07	4.61E-08	1.46E-06
252	488149.44	3856739.39	4.41E-03	5.11E-03	2.30E-03	1.53E-06	4.61E-06	2.67E-06	3.09E-06	2.80E-06	1.28E-06	5.74E-07	0.00E+00	0.00E+00	4.91E-07	1.05E-07	6.66E-07	1.03E-07	4.45E-08	1.41E-06
253	488199.44	3856739.39	4.26E-03	4.93E-03	2.21E-03	1.47E-06	4.45E-06	2.57E-06	2.98E-06	2.70E-06	1.23E-06	5.54E-07	0.00E+00	0.00E+00	4.74E-07	1.01E-07	6.42E-07	9.91E-08	4.29E-08	1.36E-06
254	488249.44	3856739.39	4.11E-03	4.76E-03	2.14E-03	1.42E-06	4.30E-06	2.49E-06	2.88E-06	2.61E-06	1.19E-06	5.35E-07	0.00E+00	0.00E+00	4.58E-07	9.78E-08	6.20E-07	9.57E-08	4.14E-08	1.31E-06
255	488299.44	3856739.39	3.97E-03	4.60E-03	2.07E-03	1.38E-06	4.15E-06	2.40E-06	2.79E-06	2.52E-06	1.15E-06	5.17E-07	0.00E+00	0.00E+00	4.42E-07	9.45E-08	6.00E-07	9.25E-08	4.01E-08	1.27E-06
256	488349.44	3856739.39	3.84E-03	4.45E-03	2.00E-03	1.33E-06	4.01E-06	2.32E-06	2.69E-06	2.44E-06	1.11E-06	5.00E-07	0.00E+00	0.00E+00	4.27E-07	9.13E-08	5.80E-07	8.94E-08	3.87E-08	1.23E-06
257	488399.44	3856739.39	3.71E-03	4.30E-03	1.93E-03	1.28E-06	3.88E-06	2.25E-06	2.60E-06	2.36E-06	1.08E-06	4.83E-07	0.00E+00	0.00E+00	4.13E-07	8.83E-08	5.60E-07	8.64E-08	3.74E-08	1.19E-06
258	487999.44	3856789.39	4.96E-03	5.74E-03	2.58E-03	1.72E-06	5.18E-06	3.00E-06	3.47E-06	3.15E-06	1.44E-06	6.45E-07	0.00E+00	0.00E+00	5.52E-07	1.18E-07	7.48E-07	1.15E-07	4.99E-08	1.58E-06
259	488049.44	3856789.39	4.76E-03	5.51E-03	2.47E-03	1.65E-06	4.97E-06	2.88E-06	3.34E-06	3.02E-06	1.38E-06	6.19E-07	0.00E+00	0.00E+00	5.30E-07	1.13E-07	7.18E-07	1.11E-07	4.80E-08	1.52E-06
260	488099.44	3856789.39	4.57E-03	5.29E-03	2.38E-03	1.58E-06	4.78E-06	2.77E-06	3.20E-06	2.90E-06	1.33E-06	5.95E-07	0.00E+00	0.00E+00	5.09E-07	1.09E-07	6.90E-07	1.06E-07	4.61E-08	1.46E-06
261	488149.44	3856789.39	4.40E-03	5.10E-03	2.29E-03	1.52E-06	4.60E-06	2.66E-06	3.08E-06	2.80E-06	1.28E-06	5.73E-07	0.00E+00	0.00E+00	4.90E-07	1.05E-07	6.64E-07	1.02E-07	4.43E-08	1.41E-06
262	488199.44	3856789.39	4.24E-03	4.91E-03	2.20E-03	1.47E-06	4.43E-06	2.56E-06	2.97E-06	2.69E-06	1.23E-06	5.52E-07	0.00E+00	0.00E+00	4.72E-07	1.01E-07	6.40E-07	9.86E-08	4.27E-08	1.35E-06
263	488249.44	3856789.39	4.09E-03	4.73E-03	2.13E-03	1.41E-06	4.27E-06	2.47E-06	2.86E-06	2.60E-06	1.18E-06	5.32E-07	0.00E+00	0.00E+00	4.55E-07	9.72E-08	6.17E-07	9.51E-08	4.12E-08	1.31E-06
264	488299.44	3856789.39	3.95E-03	4.57E-03	2.05E-03	1.37E-06	4.13E-06	2.39E-06	2.77E-06	2.51E-06	1.14E-06	5.14E-07	0.00E+00	0.00E+00	4.39E-07	9.39E-08	5.96E-07	9.19E-08	3.98E-08	1.26E-06
265	488349.44	3856789.39	3.81E-03	4.41E-03	1.98E-03	1.32E-06	3.98E-06	2.30E-06	2.67E-06	2.42E-06	1.10E-06	4.96E-07	0.00E+00	0.00E+00	4.24E-07	9.06E-08	5.75E-07	8.87E-08	3.84E-08	1.22E-06
266	488399.44	3856789.39	3.68E-03	4.26E-03	1.91E-03	1.27E-06	3.85E-06	2.23E-06	2.58E-06	2.34E-06	1.07E-06	4.79E-07	0.00E+00	0.00E+00	4.10E-07	8.75E-08	5.55E-07	8.56E-08	3.71E-08	1.18E-06
267	487949.44	3856839.39	5.15E-03	5.97E-03	2.68E-03	1.78E-06	5.39E-06	3.12E-06	3.61E-06	3.27E-06	1.49E-06	6.71E-07	0.00E+00	0.00E+00	5.74E-07	1.23E-07	7.78E-07	1.20E-07	5.19E-08	1.65E-06
268	487999.44	3856839.39	4.93E-03	5.71E-03	2.56E-03	1.71E-06	5.16E-06	2.98E-06	3.46E-06	3.13E-06	1.43E-06	6.42E-07	0.00E+00	0.00E+00	5.49E-07	1.17E-07	7.45E-07	1.15E-07	4.97E-08	1.58E-06
269	488049.44	3856839.39	4.73E-03	5.48E-03	2.46E-03	1.64E-06	4.94E-06	2.86E-06	3.31E-06	3.00E-06	1.37E-06	6.15E-07	0.00E+00	0.00E+00	5.26E-07	1.12E-07	7.14E-07	1.10E-07	4.76E-08	1.51E-06
270	488099.44	3856839.39	4.54E-03	5.25E-03	2.36E-03	1.57E-06	4.74E-06	2.74E-06	3.18E-06	2.88E-06	1.31E-06	5.90E-07	0.00E+00	0.00E+00	5.05E-07	1.08E-07	6.85E-07	1.06E-07	4.57E-08	1.45E-06
271	488149.44	3856839.39	4.36E-03	5.05E-03	2.27E-03	1.51E-06	4.55E-06	2.64E-06	3.05E-06	2.77E-06	1.26E-06	5.67E-07	0.00E+00	0.00E+00	4.85E-07	1.04E-07	6.58E-07	1.01E-07	4.39E-08	1.39E-06
272	488199.44	3856839.39	4.19E-03	4.85E-03	2.18E-03	1.45E-06	4.38E-06	2.54E-06	2.94E-06	2.66E-06	1.21E-06	5.46E-07	0.00E+00	0.00E+00	4.67E-07	9.97E-08	6.33E-07	9.76E-08	4.22E-08	1.34E-06
273	487949.44	3856889.39	5.09E-03	5.90E-03	2.65E-03	1.76E-06	5.32E-06	3.08E-06	3.57E-06	3.24E-06	1.48E-06	6.63E-07	0.00E+00	0.00E+00	5.67E-07	1.21E-07	7.69E-07	1.19E-07	5.13E-08	1.63E-06
274	487999.44	3856889.39	4.86E-03	5.63E-03	2.53E-03	1.68E-06	5.08E-06	2.94E-06	3.41E-06	3.09E-06	1.41E-06	6.33E-07	0.00E+00	0.00E+00	5.41E-07	1.16E-07	7.34E-07	1.13E-07	4.90E-08	1.55E-06
275	488049.44	3856889.39	4.66E-03	5.40E-03	2.42E-03	1.61E-06	4.87E-06	2.82E-06	3.27E-06	2.96E-06	1.35E-06	6.06E-07	0.00E+00	0.00E+00	5.19E-07	1.11E-07	7.03E-07	1.08E-07	4.70E-08	1.49E-06
276	488099.44	3856889.39	4.46E-03	5.17E-03	2.32E-03	1.54E-06	4.66E-06	2.70E-06	3.13E-06	2.84E-06	1.29E-06	5.81E-07	0.00E+00	0.00E+00	4.97E-07	1.06E-07	6.74E-07	1.04E-07	4.50E-08	1.43E-06
277	488635.86	3857895.05	1.14E-03	1.29E-03	6.70E-04	3.94E-07	1.19E-06	6.88E-07	7.81E-07	7.08E-07	3.23E-07	1.68E-07	0.00E+00	0.00E+00	1.27E-07	2.65E-08	1.68E-07	2.60E-08	1.30E-08	3.60E-07
278	489137.64	3857804.15	1.12E-03	1.28E-03	6.12E-04	3.87E-07	1.17E-06	6.76E-07	7.77E-07	7.04E-07	3.21E-07	1.53E-07	0.00E+00	0.00E+00	1.24E-07	2.64E-08	1.67E-07	2.58E-08	1.19E-08	3.56E-07
279	488617.32	3857859.41	1.18E-03	1.34E-03	6.91E-04	4.09E-07	1.24E-06	7.15E-07	8.13E-07	7.37E-07	3.36E-07	1.73E-07	0.00E+00	0.00E+00	1.32E-07	2.76E-08	1.75E-07	2.70E-08	1.34E-08	3.75E-07
280	488667.32	3857859.41	1.17E-03	1.33E-03	6.77E-04	4.04E-07	1.22E-06	7.07E-07	8.05E-07	7.29E-07	3.33E-07	1.70E-07	0.00E+00	0.00E+00	1.30E-07	2.73E-08	1.73E-07	2.67E-08	1.31E-08	3.70E-07
281	488717.32	3857859.41	1.15E-03	1.32E-03	6.64E-04	4.00E-07	1.21E-06	6.99E-07	7.96E-07	7.22E-07	3.29E-07	1.66E-07	0.00E+00	0.00E+00	1.29E-07	2.70E-08	1.72E-07	2.65E-08	1.29E-08	3.66E-07
282	488767.32	3857859.41	1.14E-03	1.30E-03	6.50E-04	3.94E-07	1.19E-06	6.89E-07	7.87E-07	7.13E-07	3.25E-07	1.63E-07	0.00E+00	0.00E+00	1.27E-07	2.67E-08	1.69E-07	2.61E-08	1.26E-08	3.62E-07
283	488617.32	3857909.41	1.13E-03	1.28E-03	6.70E-04	3.90E-07	1.18E-06	6.82E-07	7.73E-07	7.01E-07	3.20E-07	1.68E-07	0.00E+00	0.00E+00	1.26E-07	2.63E-08	1.67E-07	2.57E-08	1.30E-08	3.57E-07
284	488667.32	3857909.41	1.11E-03	1.26E-03	6.50E-04	3.83E-07	1.16E-06	6.70E-07	7.61E-07	6.90E-07	3.15E-07	1.63E-07	0.00E+00	0.00E+00	1.23E-07	2.58E-08	1.64E-07	2.53E-08	1.26E-08	3.51E-07
285	488717.32	3857909.41	1.09E-03	1.25E-03	6.36E-04	3.79E-07	1.14E-06	6.62E-07	7.54E-07	6.83E-07	3.12E-07	1.59E-07	0.00E+00	0.00E+00	1.22E-07	2.56E-08	1.62E-07	2.50E-08	1.23E-08	3.47E-07
286	488767.32	3857909.41	1.08E-03	1.23E-03	6.21E-04	3.74E-07	1.13E-06	6.53E-07	7.45E-07	6.75E-07	3.08E-07	1.55E-07	0.00E+00	0.00E+00	1.20E-07	2.53E-08	1.60E-07	2.47E-08	1.20E-08	3.43E-07
287	488417.32	3857959.41	1.19E-03	1.32E-03	7.65E-04	4.11E-07	1.24E-06	7.18E-07	8.02E-07	7.27E-07	3.32E-07	1.91E-07	0.00E+00	0.00E+00	1.32E-07	2.72E-08	1.73E-07	2.66E-08	1.48E-08	3.73E-07
288	488467.32	3857959.41	1.14E-03	1.28E-03	7.21E-04	3.96E-07	1.20E-06	6.92E-07	7.76E-07	7.04E-07	3.21E-07	1.81E-07	0.00E+00	0.00E+00	1.27E-07	2.64E-08	1.67E-07	2.58E-08	1.40E-08	3.61E-07
289	488517.32	3857959.41	1.11E-03	1.25E-03	6.85E-04	3.84E-07	1.16E-06	6.71E-07	7.56E-07	6.85E-07	3.13E-07	1.72E-07	0.00E+00	0.00E+00	1.23E-07	2.56E-08	1.63E-07	2.51E-08	1.33E-08	3.50E-07
290	488567.32	3857959.41	1.08E-03	1.22E-03	6.56E-04	3.74E-07	1.13E-06	6.54E-07	7.39E-07	6.70E-07	3.06E-07	1.64E-07	0.00E+00	0.00E+00	1.20E-07	2.51E-08	1.59E-07	2.45E-08	1.27E-08	3.42E-07
291	488617.32	3857959.41	1.06E-03	1.20E-03	6.33E-04	3.67E-07	1.11E-06	6.41E-07	7.26E-07	6.58E-07	3.00E-07	1.58E-07	0.00E+00	0.00E+00	1.18E-07	2.46E-08	1.56E-07	2.41E-08	1.23E-08	3.35E-07
292	488667.32	3857959.41	1.04E-03	1.18E-03	6.14E-04	3.61E-07	1.09E-06	6.30E-07	7.16E-07	6.49E-07	2.96E-07	1.54E-07	0.00E+00	0.00E+00	1.16E-07	2.43E-08	1.54E-07	2.38E-08	1.19E-08	3.30E-07
293	488717.32	3857959.41	1.03E-03	1.17E-03	5.98E-04	3.55E-07	1.07E-06	6.21E-07	7.06E-07	6.40E-07	2.92E-07	1.50E-07	0.00E+00	0.00E+00	1.14E-07	2.40E-08	1.52E-07	2.35E-08	1.16E-08	3.25E-07
294	488767.32	3857959.41	1.01E-03	1.16E-03	5.84E-04	3.51E-07	1.06E-06	6.14E-07	6.99E-07	6.34E-07	2.89E-07	1.46E-07	0.00E+00	0.00E+00	1.13E-07	2.37E-08	1.51E-07	2.32E-08	1.13E-08	3.22E-07
295	488417.32	3858009.41	1.09E-03	1.22E-03	6.98E-04	3.78E-07	1.14E-06	6.60E-07	7.39E-07	6.70E-07	3.06E-07	1.75E-07	0.00E+00	0.00E+00	1.22E-07	2.51E-08	1.59E-07	2.45E-08	1.35E-08	3.44E-07
296	488467.32	3858009.41	1.05E-03	1.18E-03	6.57E-04	3.64E-07	1.10E-06	6.36E-07	7.14E-07	6.48E-07	2.96E-07	1.64E-07	0.00E+00	0.00E+00	1.17E-07	2.43E-08	1.54E-07	2.37E-08	1.27E-08	3.32E-07
297	488517.32	3858009.41	1.02E-03	1.15E-03	6.25E-04	3.53E-07	1.07E-06	6.17E-07	6.96E-07	6.31E-07	2.88E-07	1.56E-07	0.00E+00	0.00E+00	1.14E-07	2.36E-08	1.50E-07	2.31E-08	1.21E-08	3.22E-07
298	488567.32	3858009.41	9.95E-04	1.13E-03	5.99E-04	3.45E-07	1.04E-06	6.02E-07	6.81E-07	6.17E-07	2.82E-07	1.50E-07	0.00E+00	0.00E+00	1.11E-07	2.31E-08	1.47E-07	2.26E-08	1.16E-08	3.15E-07
299	488617.32	3858009.41	9.78E-04	1.11E-03	5.80E-04	3.39E-07	1.02E-06	5.92E-07	6.71E-07	6.08E-07	2.78E-07	1.45E-07	0.00E+00	0.00E+00	1.09E-07	2.28E-08	1.45E-07	2.23E-08	1.12E-08	3.10E-07
300	488667.32	3858009.41	9.65E-04	1.10E-03	5.65E-04	3.34E-07	1.01E-06	5.84E-07	6.63E-07	6.01E-07	2.74E-07	1.41E-07	0.00E+00	0.00E+00	1.07E-07	2.25E-08	1.43E-07	2.20E-08	1.09E-08	3.06E-07
301	488717.32	3858009.41	9.53E-04	1.09E-03	5.52E-04	3.30E-07	9.97E-07	5.77E-07	6.57E-07	5.95E-07	2.72E-07	1.38E-07	0.00E+00	0.00E+00	1.06E-07	2.23E-08	1.41E-07	2.18E-08	1.07E-08	3.02E-07
302	488767.32	3858009.41	9.44E-04	1.08E-03	5.42E-04	3.27E-07	9.87E-07	5.71E-07	6.52E-07	5.91E-07	2.69E-07	1.36E-07	0.00E+00	0.00E+00	1.05E-07	2.21E-08	1.40E-07	2.16E-08	1.05E-08	3.00E-07
303	488417.32	3858059.41	9.59E-04	1.08E-03	5.91E-04	3.32E-07	1.00E-06	5.81E-07	6.54E-07	5.93E-07	2.71E-07	1.48E-07	0.00E+00	0.00E+00	1.07E-07	2.22E-08	1.41E-07	2.17E-08	1.14E-08	3.03E-07
304	488467.32	3858059.41	9.36E-04	1.06E-03	5.67E-04	3.24E-07	9.78E-07	5.66E-07	6.40E-07	5.80E-07	2.65E-07	1.42E-07	0.00E+00	0.00E+00	1.04E-07	2.17E-08	1.38E-07	2.13E-08	1.10E-08	2.96E-07
305	488517.32	3858059.41	9.17E-04	1.04E-03	5.48E-04	3.18E-07	9.59E-07	5.55E-07	6.29E-07	5.70E-07	2.60E-07	1.37E-07	0.00E+00	0.00E+00	1.02E-07	2.13E-08	1.35E-07	2.09E-08	1.06E-08	2.90E-07
306	488567.32	3858059.41	9.03E-04	1.02E-03	5.32E-04	3.12E-07	9.43E-07	5.46E-07	6.20E-07	5.62E-07	2.56E-07	1.33E-07	0.00E+00	0.00E+00	1.00E-07	2.10E-08	1.34E-07	2.06E-08	1.03E-08	2.86E-07
307	488617.32	3858059.41	8.91E-04	1.01E-03	5.20E-04	3.08E-07	9.31E-07	5.39E-07	6.13E-07	5.56E-07	2.54E-07	1.30E-07	0.00E+00	0.00E+00	9.92E-08	2.08E-08	1.32E-07	2.04E-08	1.01E-08	2.83E-07
308	488667.32	3858059.41	8.84E-04	1.01E-03	5.10E-04	3.06E-07	9.24E-07	5.35E-07	6.09E-07	5.52E-07	2.52E-07	1.28E-07	0.00E+00	0.00E+00	9.84E-08	2.07E-08	1.31E-07	2.02E-08	9.89E-09	2.80E-07

309	488417.32	3858109.41	8.48E-04	9.63E-04	4.99E-04	2.94E-07	8.87E-07	5.13E-07	5.83E-07	5.28E-07	2.41E-07	1.25E-07	0.00E+00	0.00E+00	9.44E-08	1.98E-08	1.26E-07	1.94E-08	9.68E-09	2.69E-07
310	488467.32	3858109.41	8.37E-04	9.51E-04	4.89E-04	2.90E-07	8.74E-07	5.06E-07	5.76E-07	5.22E-07	2.38E-07	1.22E-07	0.00E+00	0.00E+00	9.31E-08	1.95E-08	1.24E-07	1.91E-08	9.48E-09	2.65E-07
311	488517.32	3858109.41	8.26E-04	9.41E-04	4.79E-04	2.86E-07	8.64E-07	5.00E-07	5.69E-07	5.16E-07	2.35E-07	1.20E-07	0.00E+00	0.00E+00	9.20E-08	1.93E-08	1.23E-07	1.89E-08	9.29E-09	2.62E-07
312	488567.32	3858109.41	8.19E-04	9.33E-04	4.71E-04	2.83E-07	8.56E-07	4.95E-07	5.65E-07	5.12E-07	2.34E-07	1.18E-07	0.00E+00	0.00E+00	9.11E-08	1.92E-08	1.22E-07	1.88E-08	9.13E-09	2.60E-07
313	488617.32	3858109.41	8.12E-04	9.27E-04	4.64E-04	2.81E-07	8.49E-07	4.91E-07	5.61E-07	5.08E-07	2.32E-07	1.16E-07	0.00E+00	0.00E+00	9.04E-08	1.90E-08	1.21E-07	1.86E-08	9.00E-09	2.58E-07
314	488667.32	3858109.41	8.09E-04	9.25E-04	4.60E-04	2.80E-07	8.46E-07	4.90E-07	5.59E-07	5.07E-07	2.31E-07	1.15E-07	0.00E+00	0.00E+00	9.01E-08	1.90E-08	1.21E-07	1.86E-08	8.91E-09	2.57E-07
315	488769.93	3858449.27	5.36E-04	6.19E-04	2.87E-04	1.86E-07	5.61E-07	3.25E-07	3.74E-07	3.39E-07	1.55E-07	7.18E-08	0.00E+00	0.00E+00	5.97E-08	1.27E-08	8.06E-08	1.24E-08	5.56E-09	1.71E-07
316	488819.93	3858449.27	5.35E-04	6.17E-04	2.86E-04	1.85E-07	5.59E-07	3.24E-07	3.73E-07	3.38E-07	1.54E-07	7.16E-08	0.00E+00	0.00E+00	5.95E-08	1.27E-08	8.04E-08	1.24E-08	5.54E-09	1.70E-07
317	488819.93	3858499.27	5.14E-04	5.93E-04	2.74E-04	1.78E-07	5.37E-07	3.11E-07	3.59E-07	3.25E-07	1.48E-07	6.86E-08	0.00E+00	0.00E+00	5.72E-08	1.22E-08	7.72E-08	1.19E-08	5.31E-09	1.64E-07
318	488869.93	3858499.27	5.12E-04	5.90E-04	2.73E-04	1.77E-07	5.35E-07	3.10E-07	3.57E-07	3.24E-07	1.48E-07	6.84E-08	0.00E+00	0.00E+00	5.70E-08	1.21E-08	7.69E-08	1.19E-08	5.29E-09	1.63E-07
319	488869.93	3858549.27	4.93E-04	5.69E-04	2.63E-04	1.71E-07	5.15E-07	2.98E-07	3.44E-07	3.12E-07	1.42E-07	6.57E-08	0.00E+00	0.00E+00	5.49E-08	1.17E-08	7.42E-08	1.14E-08	5.09E-09	1.57E-07
320	489438.17	3859571.48	2.81E-04	3.24E-04	1.53E-04	9.74E-08	2.94E-07	1.70E-07	1.96E-07	1.78E-07	8.10E-08	3.83E-08	0.00E+00	0.00E+00	3.13E-08	6.65E-09	4.22E-08	6.50E-09	2.96E-09	8.96E-08
321	489488.17	3859571.48	2.81E-04	3.24E-04	1.53E-04	9.74E-08	2.94E-07	1.70E-07	1.96E-07	1.78E-07	8.10E-08	3.82E-08	0.00E+00	0.00E+00	3.13E-08	6.65E-09	4.22E-08	6.51E-09	2.96E-09	8.96E-08
322	489538.17	3859571.48	2.81E-04	3.23E-04	1.52E-04	9.73E-08	2.94E-07	1.70E-07	1.96E-07	1.77E-07	8.09E-08	3.81E-08	0.00E+00	0.00E+00	3.13E-08	6.64E-09	4.22E-08	6.50E-09	2.95E-09	8.95E-08
323	489588.17	3859571.48	2.80E-04	3.22E-04	1.51E-04	9.69E-08	2.93E-07	1.69E-07	1.95E-07	1.77E-07	8.07E-08	3.79E-08	0.00E+00	0.00E+00	3.12E-08	6.62E-09	4.20E-08	6.48E-09	2.93E-09	8.92E-08
324	489438.17	3859621.48	2.74E-04	3.15E-04	1.49E-04	9.47E-08	2.86E-07	1.66E-07	1.90E-07	1.73E-07	7.87E-08	3.73E-08	0.00E+00	0.00E+00	3.04E-08	6.46E-09	4.10E-08	6.32E-09	2.89E-09	8.71E-08
325	489488.17	3859621.48	2.74E-04	3.15E-04	1.49E-04	9.48E-08	2.86E-07	1.66E-07	1.91E-07	1.73E-07	7.88E-08	3.72E-08	0.00E+00	0.00E+00	3.05E-08	6.47E-09	4.10E-08	6.33E-09	2.88E-09	8.72E-08
326	489538.17	3859621.48	2.74E-04	3.15E-04	1.48E-04	9.48E-08	2.86E-07	1.66E-07	1.91E-07	1.73E-07	7.89E-08	3.72E-08	0.00E+00	0.00E+00	3.05E-08	6.47E-09	4.11E-08	6.33E-09	2.88E-09	8.72E-08
327	489588.17	3859621.48	2.74E-04	3.15E-04	1.48E-04	9.48E-08	2.86E-07	1.66E-07	1.91E-07	1.73E-07	7.89E-08	3.71E-08	0.00E+00	0.00E+00	3.05E-08	6.47E-09	4.11E-08	6.33E-09	2.87E-09	8.72E-08
328	489238.17	3859671.48	2.63E-04	3.02E-04	1.45E-04	9.12E-08	2.75E-07	1.59E-07	1.83E-07	1.66E-07	7.57E-08	3.64E-08	0.00E+00	0.00E+00	2.93E-08	6.21E-09	3.94E-08	6.08E-09	2.82E-09	8.38E-08
329	489288.17	3859671.48	2.64E-04	3.03E-04	1.45E-04	9.13E-08	2.76E-07	1.60E-07	1.83E-07	1.66E-07	7.58E-08	3.63E-08	0.00E+00	0.00E+00	2.94E-08	6.22E-09	3.95E-08	6.09E-09	2.81E-09	8.39E-08
330	489338.17	3859671.48	2.64E-04	3.04E-04	1.45E-04	9.15E-08	2.76E-07	1.60E-07	1.84E-07	1.67E-07	7.60E-08	3.63E-08	0.00E+00	0.00E+00	2.94E-08	6.24E-09	3.96E-08	6.10E-09	2.81E-09	8.42E-08
331	489388.17	3859671.48	2.65E-04	3.05E-04	1.45E-04	9.18E-08	2.77E-07	1.61E-07	1.85E-07	1.67E-07	7.63E-08	3.63E-08	0.00E+00	0.00E+00	2.95E-08	6.26E-09	3.97E-08	6.13E-09	2.81E-09	8.45E-08
332	489438.17	3859671.48	2.66E-04	3.06E-04	1.45E-04	9.20E-08	2.78E-07	1.61E-07	1.85E-07	1.68E-07	7.65E-08	3.63E-08	0.00E+00	0.00E+00	2.96E-08	6.28E-09	3.98E-08	6.14E-09	2.81E-09	8.46E-08
333	489488.17	3859671.48	2.67E-04	3.07E-04	1.45E-04	9.23E-08	2.79E-07	1.61E-07	1.86E-07	1.68E-07	7.68E-08	3.63E-08	0.00E+00	0.00E+00	2.97E-08	6.30E-09	4.00E-08	6.16E-09	2.81E-09	8.49E-08
334	489538.17	3859671.48	2.67E-04	3.07E-04	1.45E-04	9.24E-08	2.79E-07	1.62E-07	1.86E-07	1.69E-07	7.69E-08	3.63E-08	0.00E+00	0.00E+00	2.97E-08	6.31E-09	4.00E-08	6.17E-09	2.81E-09	8.51E-08
335	489588.17	3859671.48	2.67E-04	3.08E-04	1.45E-04	9.25E-08	2.79E-07	1.62E-07	1.86E-07	1.69E-07	7.70E-08	3.62E-08	0.00E+00	0.00E+00	2.98E-08	6.32E-09	4.01E-08	6.18E-09	2.80E-09	8.52E-08
336	489238.17	3859721.48	2.56E-04	2.94E-04	1.41E-04	8.86E-08	2.68E-07	1.55E-07	1.78E-07	1.61E-07	7.35E-08	3.54E-08	0.00E+00	0.00E+00	2.85E-08	6.03E-09	3.83E-08	5.90E-09	2.74E-09	8.14E-08
337	489288.17	3859721.48	2.57E-04	2.95E-04	1.41E-04	8.88E-08	2.68E-07	1.55E-07	1.78E-07	1.62E-07	7.37E-08	3.53E-08	0.00E+00	0.00E+00	2.86E-08	6.05E-09	3.84E-08	5.92E-09	2.74E-09	8.16E-08
338	489338.17	3859721.48	2.57E-04	2.95E-04	1.41E-04	8.90E-08	2.69E-07	1.56E-07	1.79E-07	1.62E-07	7.39E-08	3.53E-08	0.00E+00	0.00E+00	2.86E-08	6.06E-09	3.85E-08	5.93E-09	2.73E-09	8.18E-08
339	489388.17	3859721.48	2.58E-04	2.96E-04	1.41E-04	8.92E-08	2.69E-07	1.56E-07	1.79E-07	1.62E-07	7.41E-08	3.53E-08	0.00E+00	0.00E+00	2.87E-08	6.08E-09	3.86E-08	5.95E-09	2.73E-09	8.20E-08
340	489438.17	3859721.48	2.58E-04	2.97E-04	1.41E-04	8.94E-08	2.70E-07	1.56E-07	1.80E-07	1.63E-07	7.43E-08	3.52E-08	0.00E+00	0.00E+00	2.87E-08	6.10E-09	3.87E-08	5.97E-09	2.73E-09	8.22E-08
341	489488.17	3859721.48	2.59E-04	2.98E-04	1.41E-04	8.97E-08	2.71E-07	1.57E-07	1.80E-07	1.64E-07	7.46E-08	3.53E-08	0.00E+00	0.00E+00	2.89E-08	6.12E-09	3.89E-08	5.99E-09	2.73E-09	8.26E-08
342	489538.17	3859721.48	2.60E-04	2.99E-04	1.41E-04	9.00E-08	2.72E-07	1.57E-07	1.81E-07	1.64E-07	7.49E-08	3.53E-08	0.00E+00	0.00E+00	2.89E-08	6.14E-09	3.90E-08	6.01E-09	2.73E-09	8.28E-08
343	489588.17	3859721.48	2.61E-04	3.00E-04	1.41E-04	9.02E-08	2.72E-07	1.58E-07	1.81E-07	1.64E-07	7.51E-08	3.53E-08	0.00E+00	0.00E+00	2.90E-08	6.16E-09	3.91E-08	6.03E-09	2.73E-09	8.30E-08
344	489238.17	3859771.48	2.49E-04	2.85E-04	1.37E-04	8.61E-08	2.60E-07	1.50E-07	1.73E-07	1.57E-07	7.14E-08	3.44E-08	0.00E+00	0.00E+00	2.77E-08	5.86E-09	3.72E-08	5.74E-09	2.66E-09	7.91E-08
345	489288.17	3859771.48	2.49E-04	2.86E-04	1.37E-04	8.63E-08	2.60E-07	1.51E-07	1.73E-07	1.57E-07	7.16E-08	3.43E-08	0.00E+00	0.00E+00	2.77E-08	5.88E-09	3.73E-08	5.75E-09	2.66E-09	7.93E-08
346	489338.17	3859771.48	2.49E-04	2.87E-04	1.37E-04	8.63E-08	2.61E-07	1.51E-07	1.73E-07	1.57E-07	7.17E-08	3.42E-08	0.00E+00	0.00E+00	2.78E-08	5.88E-09	3.73E-08	5.76E-09	2.65E-09	7.94E-08
347	489388.17	3859771.48	2.50E-04	2.87E-04	1.37E-04	8.66E-08	2.61E-07	1.51E-07	1.74E-07	1.58E-07	7.19E-08	3.42E-08	0.00E+00	0.00E+00	2.78E-08	5.90E-09	3.75E-08	5.78E-09	2.65E-09	7.96E-08
348	489438.17	3859771.48	2.51E-04	2.88E-04	1.37E-04	8.67E-08	2.62E-07	1.52E-07	1.74E-07	1.58E-07	7.21E-08	3.42E-08	0.00E+00	0.00E+00	2.79E-08	5.92E-09	3.75E-08	5.79E-09	2.65E-09	7.98E-08
349	489488.17	3859771.48	2.52E-04	2.90E-04	1.37E-04	8.72E-08	2.63E-07	1.52E-07	1.75E-07	1.59E-07	7.25E-08	3.43E-08	0.00E+00	0.00E+00	2.80E-08	5.95E-09	3.78E-08	5.82E-09	2.66E-09	8.02E-08
350	489538.17	3859771.48	2.53E-04	2.91E-04	1.37E-04	8.76E-08	2.65E-07	1.53E-07	1.76E-07	1.60E-07	7.29E-08	3.44E-08	0.00E+00	0.00E+00	2.82E-08	5.98E-09	3.80E-08	5.85E-09	2.66E-09	8.06E-08
351	489588.17	3859771.48	2.54E-04	2.92E-04	1.37E-04	8.78E-08	2.65E-07	1.53E-07	1.77E-07	1.60E-07	7.31E-08	3.44E-08	0.00E+00	0.00E+00	2.82E-08	6.00E-09	3.80E-08	5.87E-09	2.66E-09	8.08E-08
352	489238.17	3859821.48	2.42E-04	2.77E-04	1.33E-04	8.37E-08	2.53E-07	1.46E-07	1.68E-07	1.52E-07	6.94E-08	3.34E-08	0.00E+00	0.00E+00	2.69E-08	5.70E-09	3.61E-08	5.57E-09	2.59E-09	7.69E-08
353	489288.17	3859821.48	2.42E-04	2.78E-04	1.33E-04	8.38E-08	2.53E-07	1.47E-07	1.68E-07	1.53E-07	6.96E-08	3.33E-08	0.00E+00	0.00E+00	2.70E-08	5.71E-09	3.62E-08	5.59E-09	2.58E-09	7.71E-08
354	489338.17	3859821.48	2.42E-04	2.78E-04	1.33E-04	8.39E-08	2.53E-07	1.47E-07	1.68E-07	1.53E-07	6.97E-08	3.33E-08	0.00E+00	0.00E+00	2.70E-08	5.72E-09	3.63E-08	5.60E-09	2.58E-09	7.71E-08
355	489388.17	3859821.48	2.43E-04	2.79E-04	1.33E-04	8.41E-08	2.54E-07	1.47E-07	1.69E-07	1.53E-07	6.99E-08	3.32E-08	0.00E+00	0.00E+00	2.70E-08	5.73E-09	3.64E-08	5.61E-09	2.57E-09	7.73E-08
356	489438.17	3859821.48	2.44E-04	2.80E-04	1.33E-04	8.44E-08	2.55E-07	1.48E-07	1.70E-07	1.54E-07	7.02E-08	3.33E-08	0.00E+00	0.00E+00	2.72E-08	5.76E-09	3.66E-08	5.64E-09	2.58E-09	7.77E-08
357	489488.17	3859821.48	2.45E-04	2.82E-04	1.33E-04	8.48E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.05E-08	3.34E-08	0.00E+00	0.00E+00	2.73E-08	5.79E-09	3.67E-08	5.66E-09	2.58E-09	7.81E-08
358	489538.17	3859821.48	2.46E-04	2.83E-04	1.34E-04	8.52E-08	2.57E-07	1.49E-07	1.71E-07	1.55E-07	7.09E-08	3.34E-08	0.00E+00	0.00E+00	2.74E-08	5.82E-09	3.69E-08	5.69E-09	2.59E-09	7.84E-08
359	489588.17	3859821.48	2.47E-04	2.84E-04	1.34E-04	8.55E-08	2.58E-07	1.49E-07	1.72E-07	1.56E-07	7.11E-08	3.35E-08	0.00E+00	0.00E+00	2.75E-08	5.84E-09	3.70E-08	5.71E-09	2.59E-09	7.87E-08
360	489238.17	3859871.48	2.35E-04	2.70E-04	1.30E-04	8.15E-08	2.46E-07	1.42E-07	1.63E-07	1.48E-07	6.76E-08	3.25E-08	0.00E+00	0.00E+00	2.62E-08	5.55E-09	3.52E-08	5.43E-09	2.52E-09	7.49E-08
361	489288.17	3859871.48	2.35E-04	2.70E-04	1.29E-04	8.15E-08	2.46E-07	1.42E-07	1.64E-07	1.48E-07	6.76E-08	3.24E-08	0.00E+00	0.00E+00	2.62E-08	5.55E-09	3.52E-08	5.43E-09	2.51E-09	7.49E-08
362	489338.17	3859871.48	2.36E-04	2.71E-04	1.29E-04	8.16E-08	2.46E-07	1.43E-07	1.64E-07	1.48E-07	6.78E-08	3.23E-08	0.00E+00	0.00E+00	2.62E-08	5.56E-09	3.53E-08	5.44E-09	2.50E-09	7.50E-08
363	489388.17	3859871.48	2.36E-04	2.72E-04	1.29E-04	8.18E-08	2.47E-07	1.43E-07	1.64E-07	1.49E-07	6.80E-08	3.23E-08	0.00E+00	0.00E+00	2.63E-08	5.58E-09	3.54E-08	5.46E-09	2.50E-09	7.53E-08
364	489438.17	3859871.48	2.38E-04	2.73E-04	1.30E-04	8.23E-08	2.48E-07	1.44E-07	1.65E-07	1.50E-07	6.84E-08	3.24E-08	0.00E+00	0.00E+00	2.65E-08	5.61E-09	3.56E-08	5.49E-09	2.51E-09	7.57E-08
365	489488.17	3859871.48	2.39E-04	2.75E-04	1.30E-04	8.28E-08	2.50E-07	1.45E-07	1.67E-07	1.51E-07	6.89E-08	3.26E-08	0.00E+00	0.00E+00	2.66E-08	5.65E-09	3.59E-08	5.53E-09	2.52E-09	7.62E-08
366	489538.17	3859871.48	2.40E-04	2.76E-04	1.30E-04	8.30E-08	2.51E-07	1.45E-07	1.67E-07	1.51E-07	6.91E-08	3.26E-08	0.00E+00	0.00E+00	2.67E-08	5.67E-09	3.60E-08	5.55E-09	2.52E-09	7.64E-08
367	489588.17	3859871.48	2.41E-04	2.77E-04	1.30E-04	8.33E-08	2.52E-07	1.46E-07	1.68E-07	1.52E-07	6.93E-08	3.26E-08	0.00E+00	0.00E+00	2.68E-08	5.69E-09	3.61E-08	5.57E-09	2.53E-09	7.67E-08
368	489238.17	3859921.48	2.29E-04	2.63E-04	1.26E-04	7.94E-08	2.40E-07	1.39E-07	1.59E-07	1.44E-07	6.59E-08	3.17E-08	0.00E+00	0.00E+00	2.55E-08	5.41E-09	3.43E-08	5.29E-09	2.45E-09	7.30E-08
369	489288.17	3859921.48	2.30E-04	2.64E-04	1.26E-04	7.95E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.60E-08	3.16E-08	0.00E+00	0.00E+00	2.56E-08	5.42E-09	3.44E-08	5.30E-09	2.45E-09	7.31E-08
370	489338.17	3859921.48	2.30E-04	2.64E-04	1.26E-04	7.96E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.61E-08	3.15E-08	0.00E+00	0.00E+00	2.56E-08	5.43E-09	3.44E-08	5.31E-09	2.44E-09	7.32E-08
371	489388.17	3859921.48	2.31E-04	2.65E-04	1.26E-04	7.99E-08	2.41E-07	1.40E-07	1.60E-07	1.45E-07	6.64E-08	3.16E-08	0.00E+00	0.00E+00	2.57E-08	5.45E-09	3.46E-08	5.33E-09	2.44E-09	7.35E-08
372	489438.17	3859921.48	2.32E-04	2.67E-04	1.26E-04	8.03E-08	2.43E-07	1.40E-07	1.61E-07	1.46E-07	6.68E-08	3.17E-08	0.00E+00	0.00E+00	2.58E-08	5.48E-09	3.48E-08	5.36E-09	2.45E-09	7.39E-08
373	489488.17	3859921.48	2.33E-04	2.68E-04	1.27E-04	8.07E-08	2.44E-07	1.41E-07	1.62E-07	1.47E-07	6.71E-08	3.17E-08	0.00E+00	0.00E+00	2.59E-08	5.50E-09	3.49E-08	5.39E-09	2.45E-09	7.42E-08
374	489538.17	3859921.48	2.34E-04	2.69E-04	1.27E-04	8.09E-08	2.44E-07	1.41E-07	1.63E-07	1.47E-07	6.73E-08	3.17E-08	0.00E+00	0.00E+00	2.60E-08	5.52E-09	3.50E-08	5.40E-09	2.46E-09	7.44E-08
375	489588.17	3859921.48	2.35E-04	2.70E-04	1.27E-04	8.13E-08	2.45E-07	1.42E-07	1.64E-07	1.48E-07	6.77E-08	3.18E-08	0.00E+00	0.00E+00	2.61E-08	5.55E-09	3.52E-08	5.43E-09	2.46E-09	7.48E-08
376	489238.17	3859971.48	2.24E-04	2.57E-04	1.23E-04	7.75E-08	2.34E-07	1.35E-07	1.56E-07	1.41E-07	6.43E-08	3.08E-08	0.00E+00	0.00E+00	2.49E-08	5.28E-09	3.35E-08	5.17E-09	2.39E-09	7.12E-08
377	489288.17	3859971.48	2.24E-04	2.57E-04	1.23E-04	7.75E-08	2.34E-07	1.35E-07	1.56E-07	1.41E-07	6.44E-08	3.07E-08	0.00E+00	0.00E+00	2.49E-08	5.28E-09	3.35E-08	5.17E-09	2.38E-09	7.13E-08
378	489338.17	3859971.48	2.24E-04	2.58E-04	1.23E-04	7.76E-08	2.34E-07	1.36E-07	1.56E-07	1.41E-07	6.45E-08	3.07E-08	0.00E+00	0.00E+00	2.50E-08	5.29E-09	3.36E-08	5.18E-09	2.38E-09	7.14E-08
379	489388.17	3859971.48	2.25E-04	2.59E-04	1.23E-04	7.80E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	3.08E-08	0.00E+00	0.00E+00	2.51E-08	5.32E-09	3.38E-08	5.20E-09	2.38E-09	7.17E-08
380	489438.17	3859971.48	2.27E-04	2.61E-04	1.23E-04	7.85E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.53E-08	3.09E-08	0.00E+00	0.00E+00	2.52E-08	5.36E-09	3.40E-08	5.24E-09	2.39E-09	7.22E-08
381	489488.17	3859971.48	2.29E-04	2.63E-04	1.24E-04	7.91E-08	2.39E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.11E-08	0.00E+00	0.00E+00	2.54E-08	5.40E-09	3.43E-08	5.28E-09	2.40E-09	7.28E-08
382	489538.17	3859971.48	2.30E-04	2.64E-04	1.24E-04	7.95E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.62E-08	3.11E-08	0.00E+00	0.00E+00	2.56E-08	5.43E-09	3.45E-08	5.31E-09	2.41E-09	7.32E-08
383	489588.17	3859971.48	2.31E-04	2.66E-04	1.25E-04	7.99E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.65E-08	3.12E-08	0.00E+00	0.00E+00	2.57E-08	5.46E-09	3.46E-08	5.34E-09	2.42E-09	7.35E-08
384	483577.7	3854071	3.75E-04	4.34E-04	1.95E-04	1.30E-07	3.92E-07	2.27E-07	2.62E-07	2.38E-07	1.09E-07	4.89E-08	0.00E+00	0.00E+00	4.17E-08	8.91E-09	5.65E-08	8.72E-09	3.79E-09	1.20E-07
385	483627.7	3854071	3.90E-04	4.51E-04	2.03E-04	1.35E-07	4.07E-07	2.36E-07	2.73E-07	2.47E-07	1.13E-07	5.08E-08	0.00E+00	0.00E+00	4.34E-08	9.27E-09	5.88E-08	9.07E-09	3.94E-09	1.24E-07
386	483677.7	3854071	4.02E-04	4.66E-04	2.10E-04	1.39E-07	4.21E-07	2.43E-07	2.82E-07	2.56E-07	1.17E-07	5.25E-08	0.00E+00	0.00E+00	4.48E-08	9.57E-09	6.07E-08	9.36E-09	4.06E-09	1.29E-07
387	483727.7	3854071	4.12E-04	4.77E-04	2.15E-04	1.43E-07	4.31E-07	2.49E-07	2.89E-07	2.62E-07	1.19E-07	5.37E-08	0.00E+00	0.00E+00	4.59E-08	9.80E-09	6.22E-08	9.59E-09	4.16E-09	1.32E-07
388	483777.7	3854071	4.18E-04	4.83E-04	2.18E-04	1.45E-07	4.36E-07	2.53E-07	2.92E-07	2.65E-07	1.21E-07	5.45E-08	0.00E+00	0.00E+00	4.65E-08	9.93E-09	6.30E-08	9.71E-09	4.22E-09	1.33E-07
389	483577.7	3854121	3.77E-04	4.37E-04	1.97E-04	1.31E-07	3.94E-07	2.28E-07	2.64E-07	2.40E-07	1.09E-07	4.92E-08	0.00E+00	0.00E+00	4.20E-08	8.97E-09	5.69E-08	8.78E-09	3.81E-09	1.20E-07
390	483627.7	3854121	3.94E-04	4.56E-04	2.05E-04	1.36E-07	4.12E-07	2.38E-07	2.76E-07	2.50E-07	1.14E-07	5.14E-08	0.00E+00	0.00E+00	4.39E-08	9.37E-09	5.94E-08	9.17E-09	3.98E-09	1.26E-07
391	483677.7	3854121	4.09E-04	4.74E-04	2.13E-04	1.42E-07	4.28E-07	2.48E-07	2.87E-07	2.60E-07	1.19E-07	5.34E-08	0.00E+00	0.00E+00	4.55E-08	9.73E-09	6.17E-08	9.52E-09	4.13E-09	1.31E-07
392	483727.7	3854121	4.21E-04	4.88E-04	2.20E-04	1.46E-07	4.40E-07	2.55E-07	2.95E-07	2.68E-07	1.22E-07	5.50E-08	0.00E+00	0.00E+00	4.69E-08	1.00E-08	6.36E-08	9.81E-09	4.26E-09	1.35E-07
393	483777.7	3854121	4.34E-04	5.03E-04	2.26E-04	1.50E-07	4.54E-07	2.63E-07	3.04E-07	2.76E-07	1.26E-07	5.66E-08	0.00E+00	0.00E+00	4.83E-08	1.03E-08	6.55E-08	1.01E-08	4.38E-09	1.39E-07
394	483577.7	3854171	3.80E-04	4.40E-04	1.98E-04	1.32E-07	3.97E-07	2.30E-07	2.66E-07	2.41E-07	1.10E-07	4.96E-08	0.00E+00	0.00E+00	4.23E-08	9.04E-09	5.73E-08	8.84E-09	3.84E-09	1.21E-07
395	483627.7	3854171	3.97E-04	4.59E-04	2.07E-04	1.37E-07	4.15E-07	2.40E-07	2.78E-07	2.52E-07	1.15E-07	5.18E-08	0.00E+00	0.00E+00	4.42E-08	9.43E-09	5.99E-08	9.23E-09	4.01E-09	1.27E-07
396	483677.7	3854171	4.13E-04	4.79E-04	2.15E-04	1.43E-07	4.32E-07	2.50E-07	2.90E-07	2.62E-07	1.20E-07	5.39E-08	0.00E+00	0.00E+00	4.60E-08	9.83E-09	6.24E-08	9.62E-09	4.18E-09	1.32E-07
397	483727.7	3854171	4.30E-04	4.98E-04	2.24E-04	1.49E-07	4.49E-07	2.60E-07	3.01E-07	2.73E-07	1.25E-07	5.61E-08	0.00E+00	0.00E+00	4.78E-08	1.02E-08	6.48E-08	1.00E-08	4.34E-09	1.37E-07
398	483777.7	3854171	4.43E-04	5.13E-04	2.31E-04	1.53E-07	4.63E-07	2.68E-07	3.11E-07	2.82E-07	1.28E-07	5.78E-08	0.00E+00	0.00E+00	4.94E-08	1.05E-08	6.69E-08	1.03E-08	4.48E-09	1.42E-07
399	483827.7	3854171	4.50E-04	5.21E-04	2.35E-04	1.56E-07	4.70E-07	2.72E-07	3.15E-07	2.86E-07	1.30E-07	5.87E-08	0.00E+00	0.00E+00	5.01E-08	1.07E-08	6.79E-08	1.05E-08	4.55E-09	1.44E-07
400	483877.7	3854171	4.53E-04	5.24E-04	2.36E-04	1.57E-07	4.73E-07	2.74E-07	3.17E-07	2.87E-07	1.31E-07	5.91E-08	0.00E+00	0.00E+00	5.04E-08	1.08E-08	6.83E-08	1.05E-08	4.57E-09	1.45E-07
401	483727.7	3854221	4.33E-04	5.01E-04	2.26E-04	1.50E-07	4.52E-07	2.62E-07	3.03E-07	2.75E-07	1.25E-07	5.65E-08	0.00E+00	0.00E+00	4.82E-08	1.03E-08	6.53E-08	1.01E-08	4.37E-09	1.38E-07
402	483777.7	3854221	4.48E-04	5.19E-04	2.34E-04	1.55E-07	4.69E-07	2.71E-07	3.14E-07	2.85E-07	1.30E-07	5.85E-08	0.00E+00	0.00E+00	4.99E-08	1.07E-08	6.77E-08	1.04E-08	4.53E-09	1.43E-07
403	483827.7	3854221	4.64E-04	5.37E-04	2.42E-04	1.61E-07	4.85E-07	2.81E-07	3.25E-07	2.95E-07	1.34E-07	6.05E-08	0.00E+00	0.00E+00	5.16E-08	1.10E-08	7.00E-08	1.08E-08	4.69E-09	1.48E-07
404	483877.7	3854221	4.70E-04	5.44E-04	2.45E-04	1.63E-07	4.91E-07	2.84E-07	3.29E-07	2.98E-07	1.36E-07	6.13E-08	0.00E+00	0.00E+00	5.23E-08	1.12E-08	7.09E-08	1.09E-08	4.75E-09	1.50E-07
405	489150.19	3858726.45	4.30E-04	4.96E-04	2.28E-04	1.49E-07	4.49E-07	2.60E-07	3.00E-07	2.72E-07	1.24E-07	5.72E-08	0.00E+00	0.00E+00	4.78E-08	1.02E-08	6.46E-08	9.96E-09	4.43E-09	1.37E-07
406	489200.19	3858726.45	4.28E-04	4.94E-04	2.28E-04	1.48E-07	4.47E-07	2.59E-07	2.99E-07	2.71E-07	1.24E-07	5.70E-08	0.00E+00	0.00E+00	4.76E-08	1.01E-08	6.43E-08	9.92E-09	4.41E-09	1.36E-07
407	489150.19	3858776.45	4.17E-04	4.81E-04	2.22E-04	1.44E-07	4.36E-07	2.52E-07	2.91E-07	2.64E-07	1.20E-07	5.55E-08	0.00E+00	0.00E+00	4.64E-08	9.88E-09	6.27E-08	9.67E-09	4.30E-09	1.33E-07
408	489200.19	3858776.45	4.15E-04	4.79E-04	2.21E-04	1.44E-07	4.34E-07	2.51E-07	2.90E-07	2.63E-07	1.20E-07	5.53E-08	0.00E+00	0.00E+00	4.62E-08	9.84E-09	6.24E-08	9.63E-09	4.28E-09	1.32E-07
409	488919.6	3856400.76	2.74E-03	3.18E-03	1.43E-03	9.49E-07	2.87E-06	1.66E-06	1.92E-06	1.74E-06	7.95E-07	3.57E-07	0.00E+00	0.00E+00	3.05E-07	6.52E-08	4.14E-07	6.38E-08	2.76E-08	8.76E-07
410	488919.6	3856450.76	2.77E-03	3.20E-03	1.44E-03	9.57E-07	2.89E-06	1.67E-06	1.94E-06	1.76E-06	8.02E-07	3.60E-07	0.00E+00	0.00E+00	3.08E-07	6.58E-08	4.17E-07	6.44E-08	2.79E-08	8.83E-07
411	488969.6	3856450.76	2.70E-03	3.13E-03	1.41E-03	9.35E-07	2.82E-06	1.63E-06	1.89E-06	1.72E-06	7.83E-07	3.52E-07	0.00E+00	0.00E+00	3.01E-07	6.43E-08	4.08E-07	6.29E-08	2.72E-08	8.63E-07
412	488919.6	3856500.76	2.78E-03	3.22E-03	1.45E-03	9.63E-07	2.91E-06	1.68E-06	1.95E-06	1.77E-06	8.07E-07	3.62E-07	0.00E+00	0.00E+00	3.10E-07	6.62E-08	4.20E-07	6.48E-08	2.81E-08	8.89E-07
413	488969.6	3856500.76	2.72E-03	3.15E-03	1.41E-03	9.41E-07	2.84E-06	1.64E-06	1.90E-06	1.73E-06	7.88E-07	3.54E-07	0.00E+00	0.00E+00	3.02E-07	6.46E-08	4.10E-07	6.32E-08	2.74E-08	8.68E-07

414	488919.6	3856550.76	2.79E-03	3.23E-03	1.45E-03	9.67E-07	2.92E-06	1.69E-06	1.96E-06	1.77E-06	8.09E-07	3.64E-07	0.00E+00	0.00E+00	3.11E-07	6.64E-08	4.21E-07	6.50E-08	2.82E-08	8.92E-07
415	488969.6	3856550.76	2.72E-03	3.16E-03	1.42E-03	9.43E-07	2.85E-06	1.65E-06	1.91E-06	1.73E-06	7.90E-07	3.55E-07	0.00E+00	0.00E+00	3.03E-07	6.48E-08	4.11E-07	6.34E-08	2.75E-08	8.70E-07
416	488819.6	3856600.76	2.94E-03	3.40E-03	1.53E-03	1.02E-06	3.07E-06	1.78E-06	2.06E-06	1.87E-06	8.52E-07	3.83E-07	0.00E+00	0.00E+00	3.27E-07	6.99E-08	4.43E-07	6.84E-08	2.96E-08	9.38E-07
417	488869.6	3856600.76	2.86E-03	3.32E-03	1.49E-03	9.91E-07	2.99E-06	1.73E-06	2.01E-06	1.82E-06	8.30E-07	3.73E-07	0.00E+00	0.00E+00	3.19E-07	6.81E-08	4.32E-07	6.67E-08	2.89E-08	9.15E-07
418	488919.6	3856600.76	2.79E-03	3.23E-03	1.45E-03	9.67E-07	2.92E-06	1.69E-06	1.96E-06	1.77E-06	8.09E-07	3.64E-07	0.00E+00	0.00E+00	3.11E-07	6.64E-08	4.21E-07	6.50E-08	2.82E-08	8.92E-07
419	488819.6	3856650.76	2.93E-03	3.40E-03	1.53E-03	1.01E-06	3.06E-06	1.77E-06	2.05E-06	1.86E-06	8.50E-07	3.82E-07	0.00E+00	0.00E+00	3.26E-07	6.97E-08	4.42E-07	6.82E-08	2.96E-08	9.36E-07
420	488869.6	3856650.76	2.86E-03	3.31E-03	1.49E-03	9.89E-07	2.99E-06	1.73E-06	2.00E-06	1.81E-06	8.28E-07	3.72E-07	0.00E+00	0.00E+00	3.18E-07	6.79E-08	4.31E-07	6.65E-08	2.88E-08	9.12E-07
421	488819.6	3856700.76	2.91E-03	3.37E-03	1.52E-03	1.01E-06	3.05E-06	1.76E-06	2.04E-06	1.85E-06	8.45E-07	3.79E-07	0.00E+00	0.00E+00	3.24E-07	6.93E-08	4.40E-07	6.78E-08	2.94E-08	9.31E-07
422	488869.6	3856700.76	2.84E-03	3.29E-03	1.48E-03	9.82E-07	2.97E-06	1.72E-06	1.99E-06	1.80E-06	8.23E-07	3.70E-07	0.00E+00	0.00E+00	3.16E-07	6.75E-08	4.28E-07	6.61E-08	2.86E-08	9.06E-07
423	488819.6	3856750.76	2.89E-03	3.34E-03	1.50E-03	9.99E-07	3.02E-06	1.75E-06	2.02E-06	1.83E-06	8.37E-07	3.76E-07	0.00E+00	0.00E+00	3.21E-07	6.87E-08	4.36E-07	6.72E-08	2.91E-08	9.22E-07
424	488869.6	3856750.76	2.81E-03	3.25E-03	1.46E-03	9.72E-07	2.94E-06	1.70E-06	1.97E-06	1.78E-06	8.14E-07	3.66E-07	0.00E+00	0.00E+00	3.13E-07	6.68E-08	4.24E-07	6.54E-08	2.83E-08	8.97E-07
425	488819.6	3857050.76	2.49E-03	2.88E-03	1.30E-03	8.62E-07	2.60E-06	1.51E-06	1.74E-06	1.58E-06	7.22E-07	3.25E-07	0.00E+00	0.00E+00	2.77E-07	5.92E-08	3.76E-07	5.80E-08	2.51E-08	7.95E-07
426	488869.6	3857050.76	2.43E-03	2.81E-03	1.26E-03	8.40E-07	2.54E-06	1.47E-06	1.70E-06	1.54E-06	7.03E-07	3.16E-07	0.00E+00	0.00E+00	2.70E-07	5.77E-08	3.66E-07	5.65E-08	2.45E-08	7.75E-07
427	488919.6	3857050.76	2.37E-03	2.74E-03	1.23E-03	8.19E-07	2.47E-06	1.43E-06	1.66E-06	1.50E-06	6.86E-07	3.08E-07	0.00E+00	0.00E+00	2.63E-07	5.63E-08	3.57E-07	5.50E-08	2.39E-08	7.55E-07
428	488819.6	3857100.76	2.40E-03	2.77E-03	1.25E-03	8.30E-07	2.50E-06	1.45E-06	1.68E-06	1.52E-06	6.94E-07	3.12E-07	0.00E+00	0.00E+00	2.67E-07	5.70E-08	3.62E-07	5.58E-08	2.42E-08	7.65E-07
429	488869.6	3857100.76	2.34E-03	2.71E-03	1.22E-03	8.09E-07	2.44E-06	1.41E-06	1.64E-06	1.48E-06	6.77E-07	3.05E-07	0.00E+00	0.00E+00	2.60E-07	5.56E-08	3.53E-07	5.44E-08	2.36E-08	7.46E-07
430	488919.6	3857100.76	2.28E-03	2.64E-03	1.19E-03	7.89E-07	2.38E-06	1.38E-06	1.60E-06	1.45E-06	6.61E-07	2.97E-07	0.00E+00	0.00E+00	2.54E-07	5.42E-08	3.44E-07	5.31E-08	2.30E-08	7.28E-07
431	488819.6	3857150.76	2.30E-03	2.66E-03	1.20E-03	7.96E-07	2.40E-06	1.39E-06	1.61E-06	1.46E-06	6.66E-07	3.00E-07	0.00E+00	0.00E+00	2.56E-07	5.47E-08	3.47E-07	5.35E-08	2.32E-08	7.34E-07
432	488869.6	3857150.76	2.24E-03	2.60E-03	1.17E-03	7.77E-07	2.35E-06	1.36E-06	1.57E-06	1.42E-06	6.50E-07	2.93E-07	0.00E+00	0.00E+00	2.50E-07	5.33E-08	3.39E-07	5.22E-08	2.27E-08	7.17E-07
433	488919.6	3857150.76	2.19E-03	2.54E-03	1.14E-03	7.59E-07	2.29E-06	1.33E-06	1.54E-06	1.39E-06	6.35E-07	2.86E-07	0.00E+00	0.00E+00	2.44E-07	5.21E-08	3.31E-07	5.10E-08	2.22E-08	7.00E-07
434	488969.6	3857150.76	2.14E-03	2.48E-03	1.12E-03	7.42E-07	2.24E-06	1.30E-06	1.50E-06	1.36E-06	6.21E-07	2.80E-07	0.00E+00	0.00E+00	2.38E-07	5.09E-08	3.23E-07	4.98E-08	2.17E-08	6.84E-07
435	488819.6	3857200.76	2.20E-03	2.55E-03	1.15E-03	7.61E-07	2.30E-06	1.33E-06	1.54E-06	1.40E-06	6.37E-07	2.87E-07	0.00E+00	0.00E+00	2.45E-07	5.23E-08	3.32E-07	5.12E-08	2.22E-08	7.02E-07
436	488869.6	3857200.76	2.15E-03	2.49E-03	1.12E-03	7.44E-07	2.25E-06	1.30E-06	1.50E-06	1.36E-06	6.22E-07	2.81E-07	0.00E+00	0.00E+00	2.39E-07	5.11E-08	3.24E-07	5.00E-08	2.17E-08	6.86E-07
437	488919.6	3857200.76	2.10E-03	2.43E-03	1.10E-03	7.27E-07	2.20E-06	1.27E-06	1.47E-06	1.33E-06	6.09E-07	2.75E-07	0.00E+00	0.00E+00	2.34E-07	4.99E-08	3.17E-07	4.89E-08	2.13E-08	6.71E-07
438	488969.6	3857200.76	2.06E-03	2.38E-03	1.07E-03	7.12E-07	2.15E-06	1.24E-06	1.44E-06	1.31E-06	5.96E-07	2.69E-07	0.00E+00	0.00E+00	2.29E-07	4.89E-08	3.10E-07	4.78E-08	2.08E-08	6.57E-07
439	488819.6	3857250.76	2.10E-03	2.43E-03	1.10E-03	7.26E-07	2.19E-06	1.27E-06	1.47E-06	1.33E-06	6.08E-07	2.74E-07	0.00E+00	0.00E+00	2.34E-07	4.99E-08	3.17E-07	4.88E-08	2.12E-08	6.70E-07
440	488869.6	3857250.76	2.05E-03	2.38E-03	1.07E-03	7.11E-07	2.15E-06	1.24E-06	1.44E-06	1.30E-06	5.95E-07	2.68E-07	0.00E+00	0.00E+00	2.29E-07	4.88E-08	3.10E-07	4.78E-08	2.08E-08	6.56E-07
441	488919.6	3857250.76	2.01E-03	2.33E-03	1.05E-03	6.96E-07	2.10E-06	1.22E-06	1.41E-06	1.28E-06	5.82E-07	2.63E-07	0.00E+00	0.00E+00	2.24E-07	4.78E-08	3.03E-07	4.68E-08	2.04E-08	6.42E-07
442	488969.6	3857250.76	1.97E-03	2.28E-03	1.03E-03	6.82E-07	2.06E-06	1.19E-06	1.38E-06	1.25E-06	5.70E-07	2.58E-07	0.00E+00	0.00E+00	2.19E-07	4.68E-08	2.97E-07	4.58E-08	2.00E-08	6.29E-07
443	488819.6	3857300.76	2.00E-03	2.31E-03	1.04E-03	6.91E-07	2.09E-06	1.21E-06	1.40E-06	1.27E-06	5.79E-07	2.61E-07	0.00E+00	0.00E+00	2.22E-07	4.75E-08	3.01E-07	4.65E-08	2.02E-08	6.38E-07
444	488869.6	3857300.76	1.96E-03	2.27E-03	1.02E-03	6.78E-07	2.05E-06	1.18E-06	1.37E-06	1.24E-06	5.67E-07	2.56E-07	0.00E+00	0.00E+00	2.18E-07	4.65E-08	2.95E-07	4.55E-08	1.98E-08	6.25E-07
445	488919.6	3857300.76	1.92E-03	2.22E-03	1.00E-03	6.64E-07	2.01E-06	1.16E-06	1.34E-06	1.22E-06	5.56E-07	2.51E-07	0.00E+00	0.00E+00	2.14E-07	4.56E-08	2.89E-07	4.46E-08	1.95E-08	6.13E-07
446	488819.6	3857450.76	1.70E-03	1.97E-03	8.98E-04	5.90E-07	1.78E-06	1.03E-06	1.19E-06	1.08E-06	4.93E-07	2.25E-07	0.00E+00	0.00E+00	1.90E-07	4.05E-08	2.57E-07	3.96E-08	1.74E-08	5.44E-07
447	488869.6	3857450.76	1.68E-03	1.94E-03	8.86E-04	5.81E-07	1.76E-06	1.02E-06	1.17E-06	1.06E-06	4.86E-07	2.22E-07	0.00E+00	0.00E+00	1.87E-07	3.99E-08	2.53E-07	3.90E-08	1.72E-08	5.36E-07
448	488919.6	3857450.76	1.65E-03	1.91E-03	8.72E-04	5.72E-07	1.73E-06	1.00E-06	1.16E-06	1.05E-06	4.78E-07	2.18E-07	0.00E+00	0.00E+00	1.84E-07	3.92E-08	2.49E-07	3.84E-08	1.69E-08	5.28E-07
449	488819.6	3857500.76	1.61E-03	1.87E-03	8.54E-04	5.59E-07	1.69E-06	9.77E-07	1.13E-06	1.02E-06	4.67E-07	2.14E-07	0.00E+00	0.00E+00	1.80E-07	3.83E-08	2.43E-07	3.75E-08	1.66E-08	5.15E-07
450	488869.6	3857500.76	1.59E-03	1.84E-03	8.43E-04	5.51E-07	1.66E-06	9.64E-07	1.11E-06	1.01E-06	4.60E-07	2.11E-07	0.00E+00	0.00E+00	1.77E-07	3.78E-08	2.40E-07	3.70E-08	1.63E-08	5.08E-07
451	488919.6	3857500.76	1.57E-03	1.81E-03	8.32E-04	5.44E-07	1.64E-06	9.50E-07	1.10E-06	9.95E-07	4.54E-07	2.08E-07	0.00E+00	0.00E+00	1.75E-07	3.72E-08	2.36E-07	3.64E-08	1.61E-08	5.01E-07
452	488819.6	3857550.76	1.53E-03	1.77E-03	8.14E-04	5.30E-07	1.60E-06	9.26E-07	1.07E-06	9.68E-07	4.42E-07	2.04E-07	0.00E+00	0.00E+00	1.70E-07	3.63E-08	2.30E-07	3.55E-08	1.58E-08	4.88E-07
453	488869.6	3857550.76	1.51E-03	1.74E-03	8.05E-04	5.23E-07	1.58E-06	9.15E-07	1.06E-06	9.57E-07	4.37E-07	2.02E-07	0.00E+00	0.00E+00	1.68E-07	3.58E-08	2.27E-07	3.51E-08	1.56E-08	4.82E-07
454	488919.6	3857550.76	1.49E-03	1.72E-03	7.95E-04	5.16E-07	1.56E-06	9.03E-07	1.04E-06	9.44E-07	4.31E-07	1.99E-07	0.00E+00	0.00E+00	1.66E-07	3.53E-08	2.24E-07	3.46E-08	1.54E-08	4.76E-07
455	489663.71	3860900.05	1.41E-04	1.62E-04	7.41E-05	4.87E-08	1.47E-07	8.51E-08	9.83E-08	8.91E-08	4.07E-08	1.85E-08	0.00E+00	0.00E+00	1.57E-08	3.34E-09	2.12E-08	3.27E-09	1.44E-09	4.49E-08
456	489813.71	3860900.05	1.41E-04	1.63E-04	7.45E-05	4.89E-08	1.48E-07	8.56E-08	9.89E-08	8.96E-08	4.09E-08	1.87E-08	0.00E+00	0.00E+00	1.57E-08	3.36E-09	2.13E-08	3.28E-09	1.44E-09	4.51E-08
457	489863.71	3860900.05	1.41E-04	1.63E-04	7.46E-05	4.89E-08	1.48E-07	8.56E-08	9.89E-08	8.96E-08	4.09E-08	1.87E-08	0.00E+00	0.00E+00	1.57E-08	3.36E-09	2.13E-08	3.28E-09	1.44E-09	4.51E-08
458	489913.71	3860900.05	1.42E-04	1.64E-04	7.48E-05	4.91E-08	1.48E-07	8.58E-08	9.92E-08	8.99E-08	4.10E-08	1.87E-08	0.00E+00	0.00E+00	1.58E-08	3.37E-09	2.14E-08	3.29E-09	1.45E-09	4.52E-08
459	489963.71	3860900.05	1.42E-04	1.64E-04	7.48E-05	4.91E-08	1.48E-07	8.58E-08	9.91E-08	8.99E-08	4.10E-08	1.87E-08	0.00E+00	0.00E+00	1.58E-08	3.36E-09	2.14E-08	3.29E-09	1.45E-09	4.52E-08
460	490013.71	3860900.05	1.42E-04	1.64E-04	7.50E-05	4.92E-08	1.49E-07	8.60E-08	9.94E-08	9.01E-08	4.11E-08	1.88E-08	0.00E+00	0.00E+00	1.58E-08	3.37E-09	2.14E-08	3.30E-09	1.45E-09	4.54E-08
461	490063.71	3860900.05	1.42E-04	1.65E-04	7.51E-05	4.93E-08	1.49E-07	8.61E-08	9.96E-08	9.02E-08	4.12E-08	1.88E-08	0.00E+00	0.00E+00	1.58E-08	3.38E-09	2.14E-08	3.31E-09	1.45E-09	4.54E-08
462	489663.71	3860950.05	1.38E-04	1.59E-04	7.26E-05	4.77E-08	1.44E-07	8.34E-08	9.64E-08	8.74E-08	3.99E-08	1.82E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.08E-08	3.20E-09	1.41E-09	4.40E-08
463	489813.71	3860950.05	1.39E-04	1.60E-04	7.30E-05	4.80E-08	1.45E-07	8.39E-08	9.70E-08	8.79E-08	4.01E-08	1.83E-08	0.00E+00	0.00E+00	1.54E-08	3.29E-09	2.09E-08	3.22E-09	1.42E-09	4.42E-08
464	489863.71	3860950.05	1.39E-04	1.60E-04	7.30E-05	4.80E-08	1.45E-07	8.39E-08	9.69E-08	8.79E-08	4.01E-08	1.83E-08	0.00E+00	0.00E+00	1.54E-08	3.29E-09	2.09E-08	3.22E-09	1.42E-09	4.42E-08
465	489913.71	3860950.05	1.39E-04	1.61E-04	7.32E-05	4.81E-08	1.45E-07	8.41E-08	9.72E-08	8.81E-08	4.02E-08	1.83E-08	0.00E+00	0.00E+00	1.55E-08	3.30E-09	2.09E-08	3.23E-09	1.42E-09	4.43E-08
466	489963.71	3860950.05	1.39E-04	1.61E-04	7.33E-05	4.81E-08	1.45E-07	8.41E-08	9.72E-08	8.81E-08	4.02E-08	1.83E-08	0.00E+00	0.00E+00	1.55E-08	3.30E-09	2.09E-08	3.23E-09	1.42E-09	4.44E-08
467	490013.71	3860950.05	1.39E-04	1.61E-04	7.34E-05	4.82E-08	1.45E-07	8.42E-08	9.74E-08	8.83E-08	4.03E-08	1.84E-08	0.00E+00	0.00E+00	1.55E-08	3.30E-09	2.10E-08	3.23E-09	1.42E-09	4.44E-08
468	490063.71	3860950.05	1.39E-04	1.61E-04	7.35E-05	4.83E-08	1.46E-07	8.44E-08	9.75E-08	8.84E-08	4.03E-08	1.84E-08	0.00E+00	0.00E+00	1.55E-08	3.31E-09	2.10E-08	3.24E-09	1.42E-09	4.45E-08
469	489513.71	3861000.05	1.34E-04	1.55E-04	7.07E-05	4.65E-08	1.40E-07	8.13E-08	9.40E-08	8.52E-08	3.89E-08	1.77E-08	0.00E+00	0.00E+00	1.50E-08	3.19E-09	2.02E-08	3.12E-09	1.37E-09	4.29E-08
470	489563.71	3861000.05	1.35E-04	1.56E-04	7.08E-05	4.66E-08	1.41E-07	8.14E-08	9.41E-08	8.53E-08	3.89E-08	1.77E-08	0.00E+00	0.00E+00	1.50E-08	3.19E-09	2.03E-08	3.13E-09	1.37E-09	4.29E-08
471	489613.71	3861000.05	1.35E-04	1.56E-04	7.10E-05	4.67E-08	1.41E-07	8.16E-08	9.43E-08	8.55E-08	3.90E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.20E-09	2.03E-08	3.13E-09	1.38E-09	4.30E-08
472	489663.71	3861000.05	1.35E-04	1.56E-04	7.11E-05	4.68E-08	1.41E-07	8.18E-08	9.45E-08	8.57E-08	3.91E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.21E-09	2.04E-08	3.14E-09	1.38E-09	4.31E-08
473	489713.71	3861000.05	1.35E-04	1.56E-04	7.12E-05	4.68E-08	1.41E-07	8.19E-08	9.46E-08	8.58E-08	3.91E-08	1.78E-08	0.00E+00	0.00E+00	1.51E-08	3.21E-09	2.04E-08	3.14E-09	1.38E-09	4.32E-08
474	489763.71	3861000.05	1.36E-04	1.57E-04	7.14E-05	4.69E-08	1.42E-07	8.20E-08	9.48E-08	8.59E-08	3.92E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.22E-09	2.04E-08	3.15E-09	1.38E-09	4.33E-08
475	489813.71	3861000.05	1.36E-04	1.57E-04	7.16E-05	4.71E-08	1.42E-07	8.23E-08	9.51E-08	8.62E-08	3.93E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.23E-09	2.05E-08	3.16E-09	1.39E-09	4.34E-08
476	489863.71	3861000.05	1.36E-04	1.57E-04	7.16E-05	4.71E-08	1.42E-07	8.23E-08	9.51E-08	8.62E-08	3.94E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.23E-09	2.05E-08	3.16E-09	1.39E-09	4.34E-08
477	489913.71	3861000.05	1.36E-04	1.58E-04	7.18E-05	4.72E-08	1.42E-07	8.25E-08	9.54E-08	8.64E-08	3.94E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.24E-09	2.05E-08	3.17E-09	1.39E-09	4.35E-08
478	489963.71	3861000.05	1.36E-04	1.58E-04	7.18E-05	4.72E-08	1.42E-07	8.25E-08	9.53E-08	8.64E-08	3.94E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.24E-09	2.05E-08	3.17E-09	1.39E-09	4.35E-08
479	490013.71	3861000.05	1.36E-04	1.58E-04	7.19E-05	4.73E-08	1.43E-07	8.26E-08	9.55E-08	8.65E-08	3.95E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.24E-09	2.06E-08	3.17E-09	1.39E-09	4.36E-08
480	490063.71	3861000.05	1.37E-04	1.58E-04	7.20E-05	4.73E-08	1.43E-07	8.27E-08	9.56E-08	8.66E-08	3.95E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.24E-09	2.06E-08	3.17E-09	1.39E-09	4.36E-08
481	489513.71	3861050.05	1.32E-04	1.53E-04	6.94E-05	4.57E-08	1.38E-07	7.98E-08	9.23E-08	8.37E-08	3.82E-08	1.74E-08	0.00E+00	0.00E+00	1.47E-08	3.13E-09	1.99E-08	3.07E-09	1.35E-09	4.21E-08
482	489563.71	3861050.05	1.32E-04	1.53E-04	6.95E-05	4.57E-08	1.38E-07	7.99E-08	9.24E-08	8.37E-08	3.82E-08	1.74E-08	0.00E+00	0.00E+00	1.47E-08	3.14E-09	1.99E-08	3.07E-09	1.35E-09	4.21E-08
483	489613.71	3861050.05	1.33E-04	1.53E-04	6.97E-05	4.59E-08	1.38E-07	8.02E-08	9.27E-08	8.40E-08	3.83E-08	1.74E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
484	489663.71	3861050.05	1.33E-04	1.53E-04	6.97E-05	4.59E-08	1.39E-07	8.02E-08	9.27E-08	8.41E-08	3.84E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
485	489713.71	3861050.05	1.33E-04	1.53E-04	6.98E-05	4.59E-08	1.39E-07	8.03E-08	9.28E-08	8.41E-08	3.84E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
486	489763.71	3861050.05	1.33E-04	1.54E-04	7.00E-05	4.60E-08	1.39E-07	8.04E-08	9.30E-08	8.43E-08	3.85E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.00E-08	3.09E-09	1.36E-09	4.24E-08
487	489813.71	3861050.05	1.33E-04	1.54E-04	7.02E-05	4.61E-08	1.39E-07	8.07E-08	9.33E-08	8.45E-08	3.86E-08	1.76E-08	0.00E+00	0.00E+00	1.48E-08	3.17E-09	2.01E-08	3.10E-09	1.36E-09	4.25E-08
488	489863.71	3861050.05	1.33E-04	1.54E-04	7.02E-05	4.62E-08	1.40E-07	8.08E-08	9.34E-08	8.46E-08	3.86E-08	1.76E-08	0.00E+00	0.00E+00	1.49E-08	3.17E-09	2.01E-08	3.10E-09	1.36E-09	4.26E-08
489	489913.71	3861050.05	1.34E-04	1.54E-04	7.03E-05	4.63E-08	1.40E-07	8.09E-08	9.35E-08	8.47E-08	3.87E-08	1.76E-08	0.00E+00	0.00E+00	1.49E-08	3.17E-09	2.01E-08	3.10E-09	1.36E-09	4.27E-08
490	489963.71	3861050.05	1.34E-04	1.55E-04	7.04E-05	4.63E-08	1.40E-07	8.09E-08	9.36E-08	8.48E-08	3.87E-08	1.76E-08	0.00E+00	0.00E+00	1.49E-08	3.18E-09	2.02E-08	3.11E-09	1.36E-09	4.27E-08
491	490013.71	3861050.05	1.34E-04	1.55E-04	7.06E-05	4.64E-08	1.40E-07	8.11E-08	9.38E-08	8.50E-08	3.88E-08	1.77E-08	0.00E+00	0.00E+00	1.49E-08	3.18E-09	2.02E-08	3.11E-09	1.37E-09	4.28E-08
492	490063.71	3861050.05	1.34E-04	1.55E-04	7.06E-05	4.64E-08	1.40E-07	8.12E-08	9.38E-08	8.50E-08	3.88E-08	1.77E-08	0.00E+00	0.00E+00	1.49E-08	3.18E-09	2.02E-08	3.12E-09	1.37E-09	4.28E-08
493	489513.71	3861100.05	1.30E-04	1.50E-04	6.83E-05	4.49E-08	1.36E-07	7.86E-08	9.08E-08	8.24E-08	3.76E-08	1.71E-08	0.00E+00	0.00E+00	1.45E-08	3.08E-09	1.96E-08	3.02E-09	1.32E-09	4.14E-08
494	489563.71	3861100.05	1.30E-04	1.50E-04	6.82E-05	4.49E-08	1.35E-07	7.84E-08	9.07E-08	8.22E-08	3.75E-08	1.71E-08	0.00E+00	0.00E+00	1.44E-08	3.08E-09	1.95E-08	3.01E-09	1.32E-09	4.14E-08
495	489613.71	3861100.05	1.29E-04	1.50E-04	6.81E-05	4.48E-08	1.35E-07	7.83E-08	9.06E-08	8.21E-08	3.75E-08	1.70E-08	0.00E+00	0.00E+00	1.44E-08	3.07E-09	1.95E-08	3.01E-09	1.32E-09	4.13E-08
496	489663.71	3861100.05	1.30E-04	1.50E-04	6.82E-05	4.49E-08	1.36E-07	7.85E-08	9.08E-08	8.23E-08	3.76E-08	1.71E-08	0.00E+00	0.00E+00	1.44E-08	3.08E-09	1.96E-08	3.02E-09	1.32E-09	4.14E-08
497	489713.71	3861100.05	1.30E-04	1.50E-04	6.84E-05	4.50E-08	1.36E-07	7.87E-08	9.10E-08	8.25E-08	3.76E-08	1.71E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.02E-09	1.33E-09	4.15E-08
498	489763.71	3861100.05	1.30E-04	1.51E-04	6.85E-05	4.51E-08	1.36E-07	7.88E-08	9.12E-08	8.26E-08	3.77E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.03E-09	1.33E-09	4.16E-08
499	489813.71	3861100.05	1.31E-04	1.51E-04	6.87E-05	4.52E-08	1.37E-07	7.91E-08	9.14E-08	8.29E-08	3.78E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.10E-09	1.97E-08	3.04E-09	1.33E-09	4.17E-08
500	489863.71	3861100.05	1.31E-04	1.52E-04	6.90E-05	4.54E-08	1.37E-07	7.93E-08	9.17E-08	8.31E-08	3.79E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.11E-09	1.98E-08	3.05E-09	1.34E-09	4.18E-08
501	489913.71	3861100.05	1.31E-04	1.52E-04	6.90E-05	4.54E-08	1.37E-07	7.93E-08	9.17E-08	8.31E-08	3.79E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.11E-09	1.98E-08	3.05E-09	1.34E-09	4.18E-08
502	489963.71	3861100.05	1.31E-04	1.52E-04	6.91E-05	4.55E-08	1.37E-07	7.94E-08	9.19E-08	8.33E-08	3.80E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.12E-09	1.98E-08	3.05E-09	1.34E-09	4.19E-08
503	490013.71	3861100.05	1.31E-04	1.52E-04	6.91E-05	4.55E-08	1.37E-07	7.95E-08	9.19E-08	8.33E-08	3.80E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.12E-09	1.98E-08	3.05E-09	1.34E-09	4.19E-08
504	490063.71	3861100.05	1.31E-04	1.52E-04	6.92E-05	4.55E-08	1.37E-07	7.95E-08	9.19E-08	8.34E-08	3.80E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.12E-09	1.98E-08	3.05E-09	1.34E-09	4.20E-08
505	489713.71	3861150.05	1.28E-04	1.47E-04	6.70E-05	4.41E-08	1.33E-07	7.72E-08	8.92E-08	8.09E-08	3.69E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.03E-09	1.92E-08	2.96E-09	1.30E-09	4.07E-08
506	489763.71	3861150.05	1.28E-04	1.48E-04	6.72E-05	4.42E-08	1.34E-07	7.73E-08	8.94E-08	8.11E-08	3.70E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.04E-09	1.93E-08	2.97E-09	1.30E-09	4.08E-08
507	489813.71	3861150.05	1.28E-04	1.48E-04	6.74E-05	4.44E-08	1.34E-07	7.76E-08	8.97E-08	8.13E-08	3.71E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.04E-09	1.93E-08	2.98E-09	1.31E-09	4.09E-08
508	489863.71	3861150.05	1.28E-04	1.48E-04	6.75E-05	4.45E-08	1.34E-07	7.77E-08	8.98E-08	8.14E-08	3.72E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.05E-09	1.94E-08	2.98E-09	1.31E-09	4.10E-08
509	489913.71	3861150.05	1.29E-04	1.49E-04	6.76E-05	4.45E-08	1.34E-07	7.78E-08	9.00E-08	8.15E-08	3.72E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.05E-09	1.94E-08	2.99E-09	1.31E-09	4.10E-08
510	489963.71	3861150.05	1.29E-04	1.49E-04	6.77E-05	4.46E-08	1.35E-07	7.79E-08	9.00E-08	8.16E-08	3.72E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.06E-09	1.94E-08	2.99E-09	1.31E-09	4.11E-08
511	490013.71	3861150.05	1.29E-04	1.49E-04	6.77E-05	4.46E-08	1.35E-07	7.79E-08	9.01E-08	8.17E-08	3.73E-08	1.70E-08	0.00E+00	0.00E+00	1.43E-08	3.06E-09	1.94E-08	2.99E-09	1.31E-09	4.11E-08
512	490063.71	3861150.05	1.29E-04	1.49E-04	6.79E-05	4.47E-08	1.35E-07	7.81E-08	9.02E-08	8.18E-08	3.73E-08	1.70E-08	0.00E+00	0.00E+00	1.44E-08	3.06E-09	1.94E-08	3.00E-09	1.32E-09	4.12E-08
513	489613.71	3861200.05	1.25E-04	1.44E-04	6.54E-05	4.31E-08	1.30E-07	7.53E-08	8.71E-08	7.90E-08	3.60E-08	1.64E-08	0.00E+00	0.00E+00	1.39E-08	2.96E-09	1.88E-08	2.89E-09	1.27E-09	3.97E-08
514	489663.71	3861200.05	1.25E-04	1.44E-04	6.56E-05	4.32E-08	1.30E-07	7.55E-08	8.73E-08	7.91E-08	3.61E-08	1.64E-08	0.00E+00	0.00E+00	1.39E-08	2.96E-09	1.88E-08	2.90E-09	1.27E-09	3.98E-08
515	489713.71	3861200.05	1.25E-04	1.45E-04	6.57E-05	4.33E-08	1.31E-07	7.57E-08	8.75E-08	7.93E-08	3.62E-08	1.64E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.88E-08	2.91E-09	1.27E-09	3.99E-08
516	489763.71	3861200.05	1.25E-04	1.45E-04	6.59E-05	4.34E-08	1.31E-07	7.59E-08	8.77E-08	7.95E-08	3.63E-08	1.65E-08	0.00E+00	0.00E+00	1.40E-08	2.98E-09	1.89E-08	2.91E-09	1.28E-09	4.00E-08
517	489813.71	3861200.05	1.26E-04	1.45E-04	6.61E-05	4.35E-08	1.31E-07	7.61E-08	8.79E-08	7.97E-08	3.64E-08	1.65E-08	0.00E+00	0.00E+00	1.40E-08	2.99E-09	1.89E-08	2.92E-09	1.28E-09	4.01E-08
518	489863.71	3861200.05	1.26E-04	1.46E-04	6.63E-05	4.36E-08	1.32E-07	7.63E-08	8.82E-08	8.00E-08	3.65E-08	1.66E-08	0.00E+00	0.00E+00	1.40E-08	2.99E-09	1.90E-08	2.93E-09	1.28E-09	4.02E-08

519	489913.71	3861200.05	1.26E-04	1.46E-04	6.64E-05	4.37E-08	1.32E-07	7.64E-08	8.84E-08	8.01E-08	3.65E-08	1.66E-08	0.00E+00	0.00E+00	1.41E-08	3.00E-09	1.90E-08	2.93E-09	1.29E-09	4.03E-08
520	489963.71	3861200.05	1.26E-04	1.46E-04	6.64E-05	4.37E-08	1.32E-07	7.64E-08	8.84E-08	8.01E-08	3.66E-08	1.66E-08	0.00E+00	0.00E+00	1.41E-08	3.00E-09	1.90E-08	2.94E-09	1.29E-09	4.03E-08
521	490013.71	3861200.05	1.27E-04	1.46E-04	6.65E-05	4.38E-08	1.32E-07	7.66E-08	8.85E-08	8.03E-08	3.66E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
522	490063.71	3861200.05	1.27E-04	1.46E-04	6.66E-05	4.38E-08	1.32E-07	7.66E-08	8.86E-08	8.03E-08	3.66E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
523	489513.71	3861250.05	1.22E-04	1.41E-04	6.39E-05	4.21E-08	1.27E-07	7.36E-08	8.52E-08	7.72E-08	3.52E-08	1.60E-08	0.00E+00	0.00E+00	1.35E-08	2.89E-09	1.83E-08	2.83E-09	1.24E-09	3.88E-08
524	489563.71	3861250.05	1.22E-04	1.41E-04	6.41E-05	4.22E-08	1.28E-07	7.38E-08	8.54E-08	7.74E-08	3.53E-08	1.60E-08	0.00E+00	0.00E+00	1.36E-08	2.90E-09	1.84E-08	2.84E-09	1.24E-09	3.90E-08
525	489613.71	3861250.05	1.22E-04	1.41E-04	6.42E-05	4.23E-08	1.28E-07	7.40E-08	8.56E-08	7.76E-08	3.54E-08	1.61E-08	0.00E+00	0.00E+00	1.36E-08	2.90E-09	1.84E-08	2.84E-09	1.24E-09	3.90E-08
526	489663.71	3861250.05	1.22E-04	1.42E-04	6.43E-05	4.24E-08	1.28E-07	7.41E-08	8.57E-08	7.77E-08	3.55E-08	1.61E-08	0.00E+00	0.00E+00	1.36E-08	2.91E-09	1.85E-08	2.85E-09	1.25E-09	3.91E-08
527	489713.71	3861250.05	1.23E-04	1.42E-04	6.45E-05	4.25E-08	1.28E-07	7.43E-08	8.59E-08	7.79E-08	3.55E-08	1.61E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.85E-09	1.25E-09	3.92E-08
528	489763.71	3861250.05	1.23E-04	1.42E-04	6.47E-05	4.26E-08	1.29E-07	7.45E-08	8.61E-08	7.81E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.25E-09	3.93E-08
529	489813.71	3861250.05	1.23E-04	1.43E-04	6.48E-05	4.27E-08	1.29E-07	7.46E-08	8.63E-08	7.82E-08	3.57E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.93E-09	1.86E-08	2.87E-09	1.26E-09	3.94E-08
530	489863.71	3861250.05	1.24E-04	1.43E-04	6.50E-05	4.28E-08	1.29E-07	7.48E-08	8.65E-08	7.84E-08	3.58E-08	1.63E-08	0.00E+00	0.00E+00	1.38E-08	2.94E-09	1.86E-08	2.87E-09	1.26E-09	3.95E-08
531	489913.71	3861250.05	1.24E-04	1.43E-04	6.51E-05	4.29E-08	1.30E-07	7.50E-08	8.67E-08	7.86E-08	3.59E-08	1.63E-08	0.00E+00	0.00E+00	1.38E-08	2.94E-09	1.87E-08	2.88E-09	1.26E-09	3.96E-08
532	489963.71	3861250.05	1.24E-04	1.44E-04	6.53E-05	4.30E-08	1.30E-07	7.51E-08	8.69E-08	7.88E-08	3.59E-08	1.63E-08	0.00E+00	0.00E+00	1.38E-08	2.95E-09	1.87E-08	2.89E-09	1.26E-09	3.96E-08
533	490013.71	3861250.05	1.24E-04	1.44E-04	6.54E-05	4.30E-08	1.30E-07	7.52E-08	8.70E-08	7.89E-08	3.60E-08	1.64E-08	0.00E+00	0.00E+00	1.38E-08	2.95E-09	1.87E-08	2.89E-09	1.27E-09	3.97E-08
534	490063.71	3861250.05	1.24E-04	1.44E-04	6.54E-05	4.30E-08	1.30E-07	7.52E-08	8.70E-08	7.89E-08	3.60E-08	1.64E-08	0.00E+00	0.00E+00	1.38E-08	2.95E-09	1.87E-08	2.89E-09	1.27E-09	3.97E-08
535	489528.13	3861308.47	1.19E-04	1.38E-04	6.26E-05	4.13E-08	1.25E-07	7.21E-08	8.34E-08	7.56E-08	3.45E-08	1.57E-08	0.00E+00	0.00E+00	1.33E-08	2.83E-09	1.80E-08	2.77E-09	1.21E-09	3.80E-08
536	489578.13	3861308.47	1.19E-04	1.38E-04	6.27E-05	4.14E-08	1.25E-07	7.23E-08	8.36E-08	7.58E-08	3.46E-08	1.57E-08	0.00E+00	0.00E+00	1.33E-08	2.84E-09	1.80E-08	2.78E-09	1.22E-09	3.81E-08
537	489628.13	3861308.47	1.20E-04	1.38E-04	6.28E-05	4.14E-08	1.25E-07	7.24E-08	8.38E-08	7.59E-08	3.46E-08	1.57E-08	0.00E+00	0.00E+00	1.33E-08	2.84E-09	1.80E-08	2.78E-09	1.22E-09	3.82E-08
538	489678.13	3861308.47	1.20E-04	1.39E-04	6.30E-05	4.15E-08	1.25E-07	7.26E-08	8.39E-08	7.61E-08	3.47E-08	1.58E-08	0.00E+00	0.00E+00	1.34E-08	2.85E-09	1.81E-08	2.79E-09	1.22E-09	3.83E-08
539	489728.13	3861308.47	1.20E-04	1.39E-04	6.31E-05	4.16E-08	1.26E-07	7.27E-08	8.41E-08	7.63E-08	3.48E-08	1.58E-08	0.00E+00	0.00E+00	1.34E-08	2.86E-09	1.81E-08	2.79E-09	1.22E-09	3.84E-08
540	489778.13	3861308.47	1.20E-04	1.39E-04	6.33E-05	4.17E-08	1.26E-07	7.29E-08	8.43E-08	7.64E-08	3.49E-08	1.58E-08	0.00E+00	0.00E+00	1.34E-08	2.86E-09	1.82E-08	2.80E-09	1.23E-09	3.85E-08
541	489678.13	3861358.47	1.18E-04	1.36E-04	6.18E-05	4.08E-08	1.23E-07	7.13E-08	8.24E-08	7.47E-08	3.41E-08	1.55E-08	0.00E+00	0.00E+00	1.31E-08	2.80E-09	1.78E-08	2.74E-09	1.20E-09	3.76E-08
542	489728.13	3861358.47	1.18E-04	1.36E-04	6.20E-05	4.08E-08	1.23E-07	7.14E-08	8.26E-08	7.49E-08	3.42E-08	1.55E-08	0.00E+00	0.00E+00	1.31E-08	2.80E-09	1.78E-08	2.74E-09	1.20E-09	3.77E-08
543	489528.13	3861408.47	1.15E-04	1.33E-04	6.03E-05	3.98E-08	1.20E-07	6.96E-08	8.05E-08	7.29E-08	3.33E-08	1.51E-08	0.00E+00	0.00E+00	1.28E-08	2.73E-09	1.73E-08	2.67E-09	1.17E-09	3.67E-08
544	489578.13	3861408.47	1.15E-04	1.33E-04	6.05E-05	3.99E-08	1.20E-07	6.97E-08	8.06E-08	7.31E-08	3.33E-08	1.51E-08	0.00E+00	0.00E+00	1.28E-08	2.74E-09	1.74E-08	2.68E-09	1.17E-09	3.68E-08
545	489628.13	3861408.47	1.16E-04	1.34E-04	6.07E-05	4.00E-08	1.21E-07	7.00E-08	8.09E-08	7.33E-08	3.35E-08	1.52E-08	0.00E+00	0.00E+00	1.29E-08	2.75E-09	1.74E-08	2.69E-09	1.18E-09	3.69E-08
546	489678.13	3861408.47	1.16E-04	1.34E-04	6.07E-05	4.01E-08	1.21E-07	7.00E-08	8.10E-08	7.34E-08	3.35E-08	1.52E-08	0.00E+00	0.00E+00	1.29E-08	2.75E-09	1.74E-08	2.69E-09	1.18E-09	3.69E-08
547	489728.13	3861408.47	1.16E-04	1.34E-04	6.08E-05	4.01E-08	1.21E-07	7.01E-08	8.11E-08	7.35E-08	3.35E-08	1.52E-08	0.00E+00	0.00E+00	1.29E-08	2.75E-09	1.75E-08	2.69E-09	1.18E-09	3.70E-08
548	489528.13	3861458.47	1.13E-04	1.31E-04	5.93E-05	3.91E-08	1.18E-07	6.84E-08	7.91E-08	7.17E-08	3.27E-08	1.48E-08	0.00E+00	0.00E+00	1.26E-08	2.69E-09	1.70E-08	2.63E-09	1.15E-09	3.61E-08
549	489578.13	3861458.47	1.13E-04	1.31E-04	5.95E-05	3.92E-08	1.18E-07	6.86E-08	7.93E-08	7.19E-08	3.28E-08	1.49E-08	0.00E+00	0.00E+00	1.26E-08	2.69E-09	1.71E-08	2.63E-09	1.15E-09	3.62E-08
550	489628.13	3861458.47	1.14E-04	1.31E-04	5.96E-05	3.93E-08	1.19E-07	6.87E-08	7.94E-08	7.20E-08	3.29E-08	1.49E-08	0.00E+00	0.00E+00	1.26E-08	2.70E-09	1.71E-08	2.64E-09	1.15E-09	3.62E-08
551	489678.13	3861458.47	1.14E-04	1.31E-04	5.96E-05	3.93E-08	1.19E-07	6.88E-08	7.95E-08	7.21E-08	3.29E-08	1.49E-08	0.00E+00	0.00E+00	1.27E-08	2.70E-09	1.71E-08	2.64E-09	1.16E-09	3.63E-08
552	489728.13	3861458.47	1.14E-04	1.31E-04	5.97E-05	3.94E-08	1.19E-07	6.88E-08	7.96E-08	7.21E-08	3.29E-08	1.49E-08	0.00E+00	0.00E+00	1.27E-08	2.70E-09	1.71E-08	2.64E-09	1.16E-09	3.63E-08
553	489528.13	3861508.47	1.11E-04	1.29E-04	5.83E-05	3.85E-08	1.16E-07	6.73E-08	7.78E-08	7.06E-08	3.22E-08	1.46E-08	0.00E+00	0.00E+00	1.24E-08	2.64E-09	1.68E-08	2.59E-09	1.13E-09	3.55E-08
554	489578.13	3861508.47	1.11E-04	1.29E-04	5.84E-05	3.85E-08	1.16E-07	6.74E-08	7.79E-08	7.07E-08	3.22E-08	1.46E-08	0.00E+00	0.00E+00	1.24E-08	2.65E-09	1.68E-08	2.59E-09	1.13E-09	3.55E-08
555	489628.13	3861508.47	1.11E-04	1.29E-04	5.85E-05	3.86E-08	1.17E-07	6.75E-08	7.80E-08	7.07E-08	3.23E-08	1.46E-08	0.00E+00	0.00E+00	1.24E-08	2.65E-09	1.68E-08	2.59E-09	1.13E-09	3.56E-08
556	489678.13	3861508.47	1.12E-04	1.29E-04	5.86E-05	3.86E-08	1.17E-07	6.75E-08	7.81E-08	7.08E-08	3.23E-08	1.47E-08	0.00E+00	0.00E+00	1.24E-08	2.65E-09	1.68E-08	2.59E-09	1.13E-09	3.56E-08
557	489728.13	3861508.47	1.12E-04	1.29E-04	5.86E-05	3.87E-08	1.17E-07	6.76E-08	7.82E-08	7.09E-08	3.23E-08	1.47E-08	0.00E+00	0.00E+00	1.24E-08	2.65E-09	1.68E-08	2.60E-09	1.14E-09	3.57E-08
558	489628.13	3861558.47	1.10E-04	1.27E-04	5.76E-05	3.80E-08	1.15E-07	6.64E-08	7.68E-08	6.96E-08	3.18E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.61E-09	1.65E-08	2.55E-09	1.12E-09	3.50E-08
559	489678.13	3861558.47	1.10E-04	1.27E-04	5.77E-05	3.81E-08	1.15E-07	6.65E-08	7.69E-08	6.98E-08	3.18E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.61E-09	1.66E-08	2.56E-09	1.12E-09	3.51E-08
560	489728.13	3861558.47	1.10E-04	1.27E-04	5.77E-05	3.81E-08	1.15E-07	6.66E-08	7.70E-08	6.98E-08	3.19E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.61E-09	1.66E-08	2.56E-09	1.12E-09	3.51E-08
561	489357.08	3861015.81	1.33E-04	1.54E-04	7.00E-05	4.60E-08	1.39E-07	8.05E-08	9.31E-08	8.44E-08	3.85E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.00E-08	3.09E-09	1.36E-09	4.25E-08
562	489407.08	3861015.81	1.33E-04	1.54E-04	7.00E-05	4.60E-08	1.39E-07	8.05E-08	9.31E-08	8.44E-08	3.85E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.00E-08	3.09E-09	1.36E-09	4.25E-08
563	489457.08	3861015.81	1.33E-04	1.54E-04	7.01E-05	4.61E-08	1.39E-07	8.06E-08	9.32E-08	8.45E-08	3.85E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.01E-08	3.09E-09	1.36E-09	4.25E-08
564	489357.08	3861065.81	1.31E-04	1.51E-04	6.87E-05	4.52E-08	1.36E-07	7.90E-08	9.14E-08	8.28E-08	3.78E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.10E-09	1.97E-08	3.03E-09	1.33E-09	4.17E-08
565	489407.08	3861065.81	1.31E-04	1.51E-04	6.87E-05	4.52E-08	1.36E-07	7.90E-08	9.13E-08	8.28E-08	3.78E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.10E-09	1.97E-08	3.03E-09	1.33E-09	4.17E-08
566	489457.08	3861065.81	1.31E-04	1.51E-04	6.87E-05	4.52E-08	1.37E-07	7.91E-08	9.14E-08	8.29E-08	3.78E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.10E-09	1.97E-08	3.04E-09	1.33E-09	4.17E-08
567	489357.08	3861115.81	1.28E-04	1.48E-04	6.73E-05	4.44E-08	1.34E-07	7.75E-08	8.96E-08	8.13E-08	3.71E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.04E-09	1.93E-08	2.98E-09	1.30E-09	4.09E-08
568	489407.08	3861115.81	1.28E-04	1.48E-04	6.74E-05	4.44E-08	1.34E-07	7.76E-08	8.98E-08	8.14E-08	3.71E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.05E-09	1.93E-08	2.98E-09	1.31E-09	4.10E-08
569	489457.08	3861115.81	1.29E-04	1.49E-04	6.76E-05	4.45E-08	1.34E-07	7.78E-08	8.99E-08	8.15E-08	3.72E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.05E-09	1.94E-08	2.99E-09	1.31E-09	4.10E-08
570	489407.08	3861165.81	1.26E-04	1.46E-04	6.63E-05	4.37E-08	1.32E-07	7.63E-08	8.83E-08	8.00E-08	3.65E-08	1.66E-08	0.00E+00	0.00E+00	1.40E-08	3.00E-09	1.90E-08	2.93E-09	1.28E-09	4.03E-08
571	489457.08	3861165.81	1.26E-04	1.46E-04	6.63E-05	4.37E-08	1.32E-07	7.63E-08	8.83E-08	8.00E-08	3.65E-08	1.66E-08	0.00E+00	0.00E+00	1.40E-08	3.00E-09	1.90E-08	2.93E-09	1.28E-09	4.03E-08
572	489407.08	3861215.81	1.23E-04	1.43E-04	6.48E-05	4.27E-08	1.29E-07	7.46E-08	8.63E-08	7.82E-08	3.57E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.93E-09	1.86E-08	2.87E-09	1.25E-09	3.94E-08
573	489457.08	3861215.81	1.23E-04	1.43E-04	6.48E-05	4.27E-08	1.29E-07	7.47E-08	8.64E-08	7.83E-08	3.57E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.93E-09	1.86E-08	2.87E-09	1.26E-09	3.94E-08
574	489407.08	3861265.81	1.21E-04	1.39E-04	6.33E-05	4.17E-08	1.26E-07	7.29E-08	8.43E-08	7.65E-08	3.49E-08	1.58E-08	0.00E+00	0.00E+00	1.34E-08	2.86E-09	1.82E-08	2.80E-09	1.23E-09	3.85E-08
575	489457.08	3861265.81	1.21E-04	1.40E-04	6.34E-05	4.18E-08	1.26E-07	7.31E-08	8.45E-08	7.66E-08	3.50E-08	1.59E-08	0.00E+00	0.00E+00	1.34E-08	2.87E-09	1.82E-08	2.81E-09	1.23E-09	3.86E-08
576	489309.86	3861110.14	1.28E-04	1.48E-04	6.73E-05	4.44E-08	1.34E-07	7.75E-08	8.96E-08	8.13E-08	3.71E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.04E-09	1.93E-08	2.98E-09	1.30E-09	4.09E-08
577	489407.08	3861315.81	1.18E-04	1.37E-04	6.21E-05	4.10E-08	1.24E-07	7.16E-08	8.28E-08	7.51E-08	3.43E-08	1.55E-08	0.00E+00	0.00E+00	1.32E-08	2.81E-09	1.78E-08	2.75E-09	1.20E-09	3.78E-08
578	489457.08	3861315.81	1.19E-04	1.37E-04	6.23E-05	4.11E-08	1.24E-07	7.18E-08	8.30E-08	7.53E-08	3.43E-08	1.56E-08	0.00E+00	0.00E+00	1.32E-08	2.82E-09	1.79E-08	2.76E-09	1.21E-09	3.79E-08
579	488906.03	3861006.75	1.32E-04	1.52E-04	6.93E-05	4.56E-08	1.38E-07	7.97E-08	9.22E-08	8.36E-08	3.81E-08	1.74E-08	0.00E+00	0.00E+00	1.47E-08	3.13E-09	1.99E-08	3.06E-09	1.34E-09	4.21E-08
580	488956.03	3861006.75	1.33E-04	1.53E-04	6.98E-05	4.59E-08	1.39E-07	8.03E-08	9.28E-08	8.41E-08	3.84E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
581	488904.24	3861051.87	1.31E-04	1.52E-04	6.90E-05	4.54E-08	1.37E-07	7.94E-08	9.18E-08	8.33E-08	3.80E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.12E-09	1.98E-08	3.05E-09	1.34E-09	4.19E-08
582	488954.24	3861051.87	1.31E-04	1.51E-04	6.88E-05	4.53E-08	1.37E-07	7.92E-08	9.16E-08	8.30E-08	3.79E-08	1.72E-08	0.00E+00	0.00E+00	1.46E-08	3.11E-09	1.97E-08	3.04E-09	1.33E-09	4.18E-08
583	489004.24	3861051.87	1.32E-04	1.53E-04	6.93E-05	4.57E-08	1.38E-07	7.98E-08	9.23E-08	8.36E-08	3.82E-08	1.74E-08	0.00E+00	0.00E+00	1.47E-08	3.13E-09	1.99E-08	3.06E-09	1.34E-09	4.21E-08
584	488804.24	3861101.87	1.27E-04	1.47E-04	6.66E-05	4.39E-08	1.32E-07	7.67E-08	8.87E-08	8.04E-08	3.67E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.95E-09	1.29E-09	4.05E-08
585	488854.24	3861101.87	1.28E-04	1.48E-04	6.71E-05	4.42E-08	1.33E-07	7.72E-08	8.93E-08	8.09E-08	3.69E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.03E-09	1.92E-08	2.96E-09	1.30E-09	4.07E-08
586	488904.24	3861101.87	1.27E-04	1.46E-04	6.65E-05	4.38E-08	1.32E-07	7.66E-08	8.86E-08	8.03E-08	3.66E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
587	488954.24	3861101.87	1.27E-04	1.46E-04	6.65E-05	4.38E-08	1.32E-07	7.66E-08	8.86E-08	8.03E-08	3.66E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
588	489004.24	3861101.87	1.27E-04	1.47E-04	6.68E-05	4.40E-08	1.33E-07	7.69E-08	8.89E-08	8.06E-08	3.68E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.02E-09	1.91E-08	2.95E-09	1.29E-09	4.06E-08
589	488804.24	3861151.87	1.22E-04	1.42E-04	6.44E-05	4.24E-08	1.28E-07	7.41E-08	8.57E-08	7.77E-08	3.54E-08	1.61E-08	0.00E+00	0.00E+00	1.36E-08	2.91E-09	1.85E-08	2.85E-09	1.25E-09	3.91E-08
590	488854.24	3861151.87	1.23E-04	1.42E-04	6.45E-05	4.25E-08	1.28E-07	7.42E-08	8.58E-08	7.78E-08	3.55E-08	1.61E-08	0.00E+00	0.00E+00	1.37E-08	2.91E-09	1.85E-08	2.85E-09	1.25E-09	3.91E-08
591	489129.49	3861187.55	1.23E-04	1.42E-04	6.46E-05	4.26E-08	1.29E-07	7.44E-08	8.61E-08	7.80E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.25E-09	3.93E-08
592	489179.49	3861187.55	1.23E-04	1.43E-04	6.47E-05	4.27E-08	1.29E-07	7.46E-08	8.62E-08	7.82E-08	3.57E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.93E-09	1.86E-08	2.86E-09	1.25E-09	3.93E-08
593	488804.24	3861201.87	1.20E-04	1.39E-04	6.31E-05	4.16E-08	1.26E-07	7.27E-08	8.40E-08	7.62E-08	3.48E-08	1.58E-08	0.00E+00	0.00E+00	1.34E-08	2.85E-09	1.81E-08	2.79E-09	1.22E-09	3.83E-08
594	488854.24	3861201.87	1.20E-04	1.39E-04	6.30E-05	4.15E-08	1.25E-07	7.26E-08	8.40E-08	7.61E-08	3.47E-08	1.58E-08	0.00E+00	0.00E+00	1.34E-08	2.85E-09	1.81E-08	2.79E-09	1.22E-09	3.83E-08
595	489129.49	3861237.55	1.21E-04	1.40E-04	6.35E-05	4.19E-08	1.26E-07	7.32E-08	8.46E-08	7.67E-08	3.50E-08	1.59E-08	0.00E+00	0.00E+00	1.35E-08	2.87E-09	1.82E-08	2.81E-09	1.23E-09	3.86E-08
596	489179.49	3861237.55	1.21E-04	1.40E-04	6.35E-05	4.19E-08	1.26E-07	7.32E-08	8.46E-08	7.67E-08	3.50E-08	1.59E-08	0.00E+00	0.00E+00	1.35E-08	2.87E-09	1.82E-08	2.81E-09	1.23E-09	3.86E-08
597	488804.24	3861251.87	1.18E-04	1.36E-04	6.20E-05	4.08E-08	1.23E-07	7.14E-08	8.26E-08	7.48E-08	3.41E-08	1.55E-08	0.00E+00	0.00E+00	1.31E-08	2.80E-09	1.78E-08	2.74E-09	1.20E-09	3.77E-08
598	488854.24	3861251.87	1.18E-04	1.36E-04	6.19E-05	4.08E-08	1.23E-07	7.13E-08	8.24E-08	7.47E-08	3.41E-08	1.55E-08	0.00E+00	0.00E+00	1.31E-08	2.80E-09	1.77E-08	2.74E-09	1.20E-09	3.76E-08
599	488804.24	3861301.87	1.16E-04	1.34E-04	6.07E-05	4.00E-08	1.21E-07	6.99E-08	8.09E-08	7.33E-08	3.35E-08	1.52E-08	0.00E+00	0.00E+00	1.29E-08	2.75E-09	1.74E-08	2.69E-09	1.18E-09	3.69E-08
600	488854.24	3861301.87	1.16E-04	1.34E-04	6.07E-05	4.00E-08	1.21E-07	6.99E-08	8.09E-08	7.33E-08	3.35E-08	1.52E-08	0.00E+00	0.00E+00	1.29E-08	2.75E-09	1.74E-08	2.69E-09	1.18E-09	3.69E-08
601	490943.5	3860181.97	1.87E-04	2.15E-04	9.90E-05	6.46E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.39E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.42E-09	2.81E-08	4.33E-09	1.92E-09	5.95E-08
602	490993.5	3860181.97	1.85E-04	2.14E-04	9.84E-05	6.42E-08	1.94E-07	1.12E-07	1.30E-07	1.17E-07	5.36E-08	2.46E-08	0.00E+00	0.00E+00	2.06E-08	4.40E-09	2.79E-08	4.30E-09	1.91E-09	5.91E-08
603	491043.5	3860181.97	1.84E-04	2.13E-04	9.78E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.45E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.28E-09	1.90E-09	5.88E-08
604	491093.5	3860181.97	1.83E-04	2.12E-04	9.72E-05	6.34E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.25E-09	1.88E-09	5.85E-08
605	490943.5	3860231.97	1.84E-04	2.12E-04	9.75E-05	6.36E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.31E-08	2.44E-08	0.00E+00	0.00E+00	2.05E-08	4.36E-09	2.77E-08	4.26E-09	1.89E-09	5.86E-08
606	490993.5	3860231.97	1.83E-04	2.11E-04	9.70E-05	6.33E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.28E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.75E-08	4.24E-09	1.88E-09	5.83E-08
607	491043.5	3860231.97	1.81E-04	2.10E-04	9.62E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.41E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.86E-09	5.79E-08
608	491093.5	3860231.97	1.80E-04	2.08E-04	9.55E-05	6.24E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.39E-08	0.00E+00	0.00E+00	2.01E-08	4.27E-09	2.71E-08	4.18E-09	1.85E-09	5.75E-08
609	490943.5	3860281.97	1.81E-04	2.09E-04	9.60E-05	6.27E-08	1.89E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.40E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.20E-09	1.86E-09	5.78E-08
610	490993.5	3860281.97	1.80E-04	2.08E-04	9.55E-05	6.23E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.39E-08	0.00E+00	0.00E+00	2.00E-08	4.27E-09	2.71E-08	4.18E-09	1.85E-09	5.75E-08
611	491043.5	3860281.97	1.79E-04	2.06E-04	9.47E-05	6.19E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.17E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.24E-09	2.69E-08	4.15E-09	1.84E-09	5.70E-08
612	491093.5	3860281.97	1.77E-04	2.05E-04	9.41E-05	6.14E-08	1.86E-07	1.07E-07	1.24E-07	1.12E-07	5.13E-08	2.35E-08	0.00E+00	0.00E+00	1.98E-08	4.21E-09	2.67E-08	4.12E-09	1.82E-09	5.66E-08
613	490943.5	3860331.97	1.79E-04	2.06E-04	9.46E-05	6.18E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.16E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.24E-09	2.69E-08	4.15E-09	1.83E-09	5.70E-08
614	490993.5	3860331.97	1.77E-04	2.05E-04	9.39E-05	6.13E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.12E-08	2.35E-08	0.00E+00	0.00E+00	1.97E-08	4.20E-09	2.67E-08	4.11E-09	1.82E-09	5.65E-08
615	491043.5	3860331.97	1.76E-04	2.03E-04	9.31E-05	6.09E-08	1.84E-07	1.06E-07	1.23E-07	1.11E-07	5.08E-08	2.33E-08	0.00E+00	0.00E+00	1.96E-08	4.17E-09	2.65E-08	4.08E-09	1.81E-09	5.61E-08
616	491093.5	3860331.97	1.75E-04	2.02E-04	9.25E-05	6.04E-08	1.82E-07	1.06E-07	1.22E-07	1.11E-07	5.05E-08	2.31E-08	0.00E+00	0.00E+00	1.94E-08	4.14E-09	2.63E-08	4.05E-09	1.79E-09	5.57E-08
617	490086.72	3859935.12	2.30E-04	2.65E-04	1.23E-04	7.95E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.63E-08	3.08E-08	0.00E+00	0.00E+00	2.56E-08	5.44E-09	3.45E-08	5.32E-09	2.38E-09	7.32E-08
618	490136.72	3859935.12	2.28E-04	2.63E-04	1.22E-04	7.90E-08	2.39E-07	1.38E-07	1.59E-07	1.44E-07	6.59E-08	3.06E-08	0.00E+00	0.00E+00	2.54E-08	5.41E-09	3.43E-08	5.29E-09	2.37E-09	7.28E-08
619	490186.72	3859935.12	2.27E-04	2.62E-04	1.21E-04	7.85E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.55E-08	3.03E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.26E-09	2.35E-09	7.23E-08
620	490236.72	3859935.12	2.25E-04	2.60E-04	1.20E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.50E-08	3.01E-08	0.00E+00	0.00E+00	2.50E-08	5.33E-09	3.38E-08	5.22E-09	2.33E-09	7.18E-08
621	490286.72	3859935.12	2.23E-04	2.57E-04	1.19E-04	7.72E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.44E-08	2.98E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.35E-08	5.17E-09	2.31E-09	7.11E-08
622	490336.72	3859935.12	2.21E-04	2.55E-04	1.18E-04	7.65E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.38E-08	2.95E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.32E-08	5.13E-09	2.29E-09	7.05E-08
623	490386.72	3859935.12	2.19E-04	2.53E-04	1.17E-04	7.59E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.33E-08	2.93E-08	0.00E+00	0.00E+00	2.44E-08	5.20E-09	3.30E-08	5.08E-09	2.27E-09	6.99E-08

624	490436.72	3859935.12	2.17E-04	2.51E-04	1.16E-04	7.53E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.28E-08	2.90E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.25E-09	6.93E-08
625	490486.72	3859935.12	2.16E-04	2.49E-04	1.15E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.36E-07	6.23E-08	2.88E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.23E-09	6.88E-08
626	490536.72	3859935.12	2.14E-04	2.47E-04	1.14E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.08E-09	3.23E-08	4.97E-09	2.22E-09	6.84E-08
627	490586.72	3859935.12	2.14E-04	2.47E-04	1.14E-04	7.40E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.85E-08	0.00E+00	0.00E+00	2.38E-08	5.06E-09	3.21E-08	4.95E-09	2.21E-09	6.81E-08
628	490636.72	3859935.12	2.12E-04	2.45E-04	1.13E-04	7.35E-08	2.22E-07	1.29E-07	1.48E-07	1.34E-07	6.13E-08	2.83E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.93E-09	2.19E-09	6.77E-08
629	490686.72	3859935.12	2.12E-04	2.45E-04	1.13E-04	7.34E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.83E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.19E-09	6.76E-08
630	490736.72	3859935.12	2.11E-04	2.44E-04	1.13E-04	7.32E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.11E-08	2.82E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.18E-09	6.74E-08
631	490086.72	3859985.12	2.25E-04	2.60E-04	1.20E-04	7.80E-08	2.36E-07	1.36E-07	1.57E-07	1.43E-07	6.50E-08	3.02E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.22E-09	2.34E-09	7.18E-08
632	490136.72	3859985.12	2.24E-04	2.59E-04	1.20E-04	7.76E-08	2.34E-07	1.36E-07	1.56E-07	1.42E-07	6.47E-08	3.00E-08	0.00E+00	0.00E+00	2.50E-08	5.31E-09	3.37E-08	5.20E-09	2.32E-09	7.15E-08
633	490186.72	3859985.12	2.23E-04	2.57E-04	1.19E-04	7.72E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.44E-08	2.98E-08	0.00E+00	0.00E+00	2.48E-08	5.28E-09	3.35E-08	5.17E-09	2.31E-09	7.11E-08
634	490236.72	3859985.12	2.22E-04	2.56E-04	1.18E-04	7.67E-08	2.32E-07	1.34E-07	1.55E-07	1.40E-07	6.40E-08	2.96E-08	0.00E+00	0.00E+00	2.47E-08	5.25E-09	3.33E-08	5.14E-09	2.29E-09	7.07E-08
635	490286.72	3859985.12	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.94E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.28E-09	7.02E-08
636	490336.72	3859985.12	2.18E-04	2.52E-04	1.16E-04	7.55E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.30E-08	2.91E-08	0.00E+00	0.00E+00	2.43E-08	5.17E-09	3.28E-08	5.06E-09	2.26E-09	6.96E-08
637	490386.72	3859985.12	2.16E-04	2.49E-04	1.15E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.88E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.23E-09	6.89E-08
638	490436.72	3859985.12	2.14E-04	2.47E-04	1.14E-04	7.41E-08	2.24E-07	1.30E-07	1.49E-07	1.35E-07	6.18E-08	2.86E-08	0.00E+00	0.00E+00	2.38E-08	5.07E-09	3.22E-08	4.96E-09	2.21E-09	6.83E-08
639	490486.72	3859985.12	2.12E-04	2.45E-04	1.13E-04	7.35E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.13E-08	2.83E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.19E-09	6.77E-08
640	490536.72	3859985.12	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.33E-07	6.09E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.18E-09	6.72E-08
641	490586.72	3859985.12	2.10E-04	2.42E-04	1.12E-04	7.26E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.06E-08	2.80E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.16E-09	6.69E-08
642	490636.72	3859985.12	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.78E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.15E-09	6.66E-08
643	490686.72	3859985.12	2.08E-04	2.40E-04	1.11E-04	7.21E-08	2.18E-07	1.26E-07	1.45E-07	1.32E-07	6.02E-08	2.77E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.13E-08	4.83E-09	2.15E-09	6.64E-08
644	490736.72	3859985.12	2.07E-04	2.39E-04	1.10E-04	7.17E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.76E-08	0.00E+00	0.00E+00	2.31E-08	4.91E-09	3.12E-08	4.80E-09	2.14E-09	6.61E-08
645	490786.72	3859985.12	2.06E-04	2.38E-04	1.10E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.30E-07	5.95E-08	2.74E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.12E-09	6.57E-08
646	490086.72	3860035.12	2.21E-04	2.55E-04	1.18E-04	7.64E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.37E-08	2.95E-08	0.00E+00	0.00E+00	2.46E-08	5.23E-09	3.32E-08	5.12E-09	2.29E-09	7.04E-08
647	490136.72	3860035.12	2.20E-04	2.54E-04	1.17E-04	7.61E-08	2.30E-07	1.33E-07	1.53E-07	1.39E-07	6.35E-08	2.94E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.28E-09	7.01E-08
648	490186.72	3860035.12	2.19E-04	2.53E-04	1.17E-04	7.58E-08	2.29E-07	1.32E-07	1.53E-07	1.39E-07	6.32E-08	2.92E-08	0.00E+00	0.00E+00	2.44E-08	5.19E-09	3.29E-08	5.08E-09	2.26E-09	6.98E-08
649	490236.72	3860035.12	2.18E-04	2.51E-04	1.16E-04	7.54E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.91E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.25E-09	6.94E-08
650	490286.72	3860035.12	2.16E-04	2.50E-04	1.15E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.89E-08	0.00E+00	0.00E+00	2.41E-08	5.12E-09	3.25E-08	5.01E-09	2.24E-09	6.90E-08
651	490336.72	3860035.12	2.15E-04	2.48E-04	1.15E-04	7.44E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.87E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.22E-09	6.85E-08
652	490386.72	3860035.12	2.13E-04	2.46E-04	1.13E-04	7.37E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.15E-08	2.84E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.20E-08	4.94E-09	2.20E-09	6.79E-08
653	490436.72	3860035.12	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.21E-07	1.28E-07	1.47E-07	1.34E-07	6.09E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.18E-09	6.73E-08
654	490486.72	3860035.12	2.09E-04	2.41E-04	1.11E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.32E-07	6.04E-08	2.79E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.85E-09	2.16E-09	6.67E-08
655	490536.72	3860035.12	2.08E-04	2.40E-04	1.11E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.31E-07	6.00E-08	2.77E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.82E-09	2.14E-09	6.62E-08
656	490586.72	3860035.12	2.06E-04	2.38E-04	1.10E-04	7.14E-08	2.15E-07	1.25E-07	1.44E-07	1.30E-07	5.95E-08	2.75E-08	0.00E+00	0.00E+00	2.29E-08	4.89E-09	3.10E-08	4.78E-09	2.13E-09	6.57E-08
657	490636.72	3860035.12	2.04E-04	2.36E-04	1.09E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.91E-08	2.72E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.74E-09	2.11E-09	6.52E-08
658	490686.72	3860035.12	2.03E-04	2.35E-04	1.08E-04	7.04E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.71E-08	0.00E+00	0.00E+00	2.26E-08	4.82E-09	3.06E-08	4.72E-09	2.10E-09	6.49E-08
659	490736.72	3860035.12	2.03E-04	2.34E-04	1.08E-04	7.03E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.06E-08	4.71E-09	2.09E-09	6.48E-08
660	490786.72	3860035.12	2.02E-04	2.33E-04	1.07E-04	6.99E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.69E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.68E-09	2.08E-09	6.44E-08
661	490836.72	3860035.12	2.01E-04	2.32E-04	1.07E-04	6.95E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.76E-09	3.02E-08	4.66E-09	2.07E-09	6.40E-08
662	490086.72	3860085.12	2.17E-04	2.50E-04	1.16E-04	7.50E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.25E-08	2.90E-08	0.00E+00	0.00E+00	2.41E-08	5.13E-09	3.26E-08	5.02E-09	2.24E-09	6.91E-08
663	490136.72	3860085.12	2.15E-04	2.49E-04	1.15E-04	7.46E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.88E-08	0.00E+00	0.00E+00	2.40E-08	5.10E-09	3.24E-08	4.99E-09	2.23E-09	6.87E-08
664	490186.72	3860085.12	2.15E-04	2.48E-04	1.15E-04	7.44E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.21E-08	2.87E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.22E-09	6.85E-08
665	490236.72	3860085.12	2.14E-04	2.47E-04	1.14E-04	7.41E-08	2.24E-07	1.29E-07	1.49E-07	1.35E-07	6.18E-08	2.86E-08	0.00E+00	0.00E+00	2.38E-08	5.07E-09	3.22E-08	4.96E-09	2.21E-09	6.82E-08
666	490286.72	3860085.12	2.13E-04	2.45E-04	1.13E-04	7.36E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.14E-08	2.84E-08	0.00E+00	0.00E+00	2.37E-08	5.04E-09	3.20E-08	4.93E-09	2.20E-09	6.78E-08
667	490336.72	3860085.12	2.11E-04	2.44E-04	1.13E-04	7.31E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.10E-08	2.82E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.18E-09	6.74E-08
668	490386.72	3860085.12	2.10E-04	2.42E-04	1.12E-04	7.26E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.06E-08	2.80E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.16E-09	6.69E-08
669	490436.72	3860085.12	2.08E-04	2.40E-04	1.11E-04	7.20E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.77E-08	0.00E+00	0.00E+00	2.31E-08	4.93E-09	3.13E-08	4.82E-09	2.15E-09	6.63E-08
670	490486.72	3860085.12	2.06E-04	2.38E-04	1.10E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.30E-07	5.95E-08	2.75E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.13E-09	6.57E-08
671	490536.72	3860085.12	2.04E-04	2.36E-04	1.09E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.91E-08	2.72E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.74E-09	2.11E-09	6.52E-08
672	490586.72	3860085.12	2.03E-04	2.34E-04	1.08E-04	7.03E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.09E-09	6.47E-08
673	490636.72	3860085.12	2.01E-04	2.32E-04	1.07E-04	6.97E-08	2.10E-07	1.22E-07	1.41E-07	1.27E-07	5.81E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.08E-09	6.42E-08
674	490686.72	3860085.12	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.74E-09	3.01E-08	4.64E-09	2.06E-09	6.38E-08
675	490736.72	3860085.12	1.99E-04	2.30E-04	1.06E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.65E-08	0.00E+00	0.00E+00	2.21E-08	4.72E-09	2.99E-08	4.61E-09	2.05E-09	6.35E-08
676	490786.72	3860085.12	1.98E-04	2.29E-04	1.05E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.63E-08	0.00E+00	0.00E+00	2.20E-08	4.69E-09	2.98E-08	4.59E-09	2.04E-09	6.32E-08
677	490836.72	3860085.12	1.97E-04	2.27E-04	1.05E-04	6.81E-08	2.06E-07	1.19E-07	1.37E-07	1.25E-07	5.68E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.03E-09	6.28E-08
678	490086.72	3860135.12	2.11E-04	2.43E-04	1.12E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.81E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.18E-09	6.71E-08
679	490136.72	3860135.12	2.11E-04	2.43E-04	1.12E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.81E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.18E-09	6.71E-08
680	490186.72	3860135.12	2.10E-04	2.43E-04	1.12E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.81E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.16E-08	4.88E-09	2.17E-09	6.71E-08
681	490236.72	3860135.12	2.10E-04	2.42E-04	1.12E-04	7.26E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.06E-08	2.80E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.17E-09	6.69E-08
682	490286.72	3860135.12	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.78E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.16E-09	6.66E-08
683	490336.72	3860135.12	2.08E-04	2.40E-04	1.11E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.31E-07	6.00E-08	2.77E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.82E-09	2.14E-09	6.63E-08
684	490386.72	3860135.12	2.06E-04	2.38E-04	1.10E-04	7.14E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.89E-09	3.10E-08	4.79E-09	2.13E-09	6.58E-08
685	490436.72	3860135.12	2.05E-04	2.36E-04	1.09E-04	7.09E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.91E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.75E-09	2.11E-09	6.53E-08
686	490486.72	3860135.12	2.03E-04	2.34E-04	1.08E-04	7.03E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.09E-09	6.48E-08
687	490536.72	3860135.12	2.02E-04	2.33E-04	1.07E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.68E-09	2.08E-09	6.43E-08
688	490586.72	3860135.12	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.74E-09	3.01E-08	4.64E-09	2.06E-09	6.38E-08
689	490636.72	3860135.12	1.98E-04	2.29E-04	1.05E-04	6.87E-08	2.07E-07	1.20E-07	1.39E-07	1.26E-07	5.73E-08	2.64E-08	0.00E+00	0.00E+00	2.21E-08	4.70E-09	2.98E-08	4.60E-09	2.04E-09	6.33E-08
690	490686.72	3860135.12	1.97E-04	2.27E-04	1.05E-04	6.81E-08	2.06E-07	1.19E-07	1.37E-07	1.25E-07	5.68E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.03E-09	6.27E-08
691	490736.72	3860135.12	1.95E-04	2.26E-04	1.04E-04	6.76E-08	2.04E-07	1.18E-07	1.36E-07	1.24E-07	5.64E-08	2.60E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.53E-09	2.01E-09	6.23E-08
692	490786.72	3860135.12	1.94E-04	2.24E-04	1.03E-04	6.73E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.61E-08	2.58E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.92E-08	4.51E-09	2.00E-09	6.20E-08
693	490836.72	3860135.12	1.93E-04	2.23E-04	1.03E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.57E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	1.99E-09	6.16E-08
694	490086.72	3860185.12	2.05E-04	2.37E-04	1.09E-04	7.10E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.92E-08	2.74E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.08E-08	4.75E-09	2.12E-09	6.54E-08
695	490136.72	3860185.12	2.06E-04	2.37E-04	1.10E-04	7.12E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.94E-08	2.74E-08	0.00E+00	0.00E+00	2.29E-08	4.87E-09	3.09E-08	4.77E-09	2.12E-09	6.56E-08
696	490186.72	3860185.12	2.06E-04	2.37E-04	1.10E-04	7.12E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.94E-08	2.74E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.09E-08	4.77E-09	2.12E-09	6.56E-08
697	490236.72	3860185.12	2.05E-04	2.37E-04	1.09E-04	7.11E-08	2.15E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.74E-08	0.00E+00	0.00E+00	2.29E-08	4.87E-09	3.09E-08	4.76E-09	2.12E-09	6.55E-08
698	490286.72	3860185.12	2.05E-04	2.36E-04	1.09E-04	7.09E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.91E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.75E-09	2.11E-09	6.53E-08
699	490336.72	3860185.12	2.04E-04	2.35E-04	1.08E-04	7.06E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.89E-08	2.71E-08	0.00E+00	0.00E+00	2.27E-08	4.83E-09	3.07E-08	4.73E-09	2.10E-09	6.50E-08
700	490386.72	3860185.12	2.03E-04	2.34E-04	1.08E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.70E-09	2.09E-09	6.47E-08
701	490436.72	3860185.12	2.02E-04	2.33E-04	1.07E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.67E-09	2.08E-09	6.43E-08
702	490486.72	3860185.12	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.74E-09	3.01E-08	4.64E-09	2.06E-09	6.38E-08
703	490536.72	3860185.12	1.99E-04	2.29E-04	1.06E-04	6.87E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.64E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.05E-09	6.33E-08
704	490586.72	3860185.12	1.97E-04	2.28E-04	1.05E-04	6.83E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.62E-08	0.00E+00	0.00E+00	2.20E-08	4.68E-09	2.97E-08	4.58E-09	2.03E-09	6.29E-08
705	490636.72	3860185.12	1.96E-04	2.26E-04	1.04E-04	6.77E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.65E-08	2.60E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.94E-08	4.54E-09	2.01E-09	6.24E-08
706	490686.72	3860185.12	1.94E-04	2.24E-04	1.03E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.61E-08	2.58E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.50E-09	2.00E-09	6.19E-08
707	490736.72	3860185.12	1.92E-04	2.22E-04	1.02E-04	6.66E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.56E-08	2.56E-08	0.00E+00	0.00E+00	2.14E-08	4.56E-09	2.89E-08	4.46E-09	1.98E-09	6.13E-08
708	490786.72	3860185.12	1.91E-04	2.20E-04	1.01E-04	6.61E-08	2.00E-07	1.16E-07	1.33E-07	1.21E-07	5.52E-08	2.54E-08	0.00E+00	0.00E+00	2.13E-08	4.53E-09	2.87E-08	4.43E-09	1.97E-09	6.09E-08
709	490836.72	3860185.12	1.90E-04	2.19E-04	1.01E-04	6.56E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.48E-08	2.52E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.85E-08	4.40E-09	1.95E-09	6.05E-08
710	490086.72	3860235.12	2.00E-04	2.31E-04	1.07E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.26E-07	5.77E-08	2.67E-08	0.00E+00	0.00E+00	2.22E-08	4.74E-09	3.01E-08	4.63E-09	2.06E-09	6.37E-08
711	490136.72	3860235.12	2.00E-04	2.31E-04	1.07E-04	6.94E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.67E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.01E-08	4.65E-09	2.07E-09	6.39E-08
712	490186.72	3860235.12	2.01E-04	2.32E-04	1.07E-04	6.95E-08	2.10E-07	1.22E-07	1.40E-07	1.27E-07	5.80E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.76E-09	3.02E-08	4.66E-09	2.07E-09	6.41E-08
713	490236.72	3860235.12	2.01E-04	2.32E-04	1.07E-04	6.95E-08	2.10E-07	1.22E-07	1.40E-07	1.27E-07	5.80E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.76E-09	3.02E-08	4.66E-09	2.07E-09	6.41E-08
714	490286.72	3860235.12	2.01E-04	2.31E-04	1.07E-04	6.94E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.67E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.02E-08	4.65E-09	2.07E-09	6.40E-08
715	490336.72	3860235.12	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.74E-09	3.01E-08	4.64E-09	2.06E-09	6.38E-08
716	490386.72	3860235.12	1.99E-04	2.30E-04	1.06E-04	6.90E-08	2.08E-07	1.21E-07	1.39E-07	1.26E-07	5.76E-08	2.65E-08	0.00E+00	0.00E+00	2.22E-08	4.72E-09	3.00E-08	4.62E-09	2.05E-09	6.35E-08
717	490436.72	3860235.12	1.98E-04	2.29E-04	1.05E-04	6.86E-08	2.07E-07	1.20E-07	1.38E-07	1.26E-07	5.73E-08	2.64E-08	0.00E+00	0.00E+00	2.21E-08	4.70E-09	2.98E-08	4.60E-09	2.04E-09	6.32E-08
718	490486.72	3860235.12	1.97E-04	2.27E-04	1.05E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.69E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.03E-09	6.28E-08
719	490536.72	3860235.12	1.96E-04	2.26E-04	1.04E-04	6.77E-08	2.05E-07	1.18E-07	1.37E-07	1.24E-07	5.65E-08	2.60E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.94E-08	4.54E-09	2.01E-09	6.24E-08
720	490586.72	3860235.12	1.94E-04	2.24E-04	1.03E-04	6.73E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.62E-08	2.58E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.92E-08	4.51E-09	2.00E-09	6.20E-08
721	490636.72	3860235.12	1.93E-04	2.23E-04	1.02E-04	6.67E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.57E-08	2.56E-08	0.00E+00	0.00E+00	2.15E-08	4.57E-09	2.90E-08	4.47E-09	1.98E-09	6.15E-08
722	490686.72	3860235.12	1.91E-04	2.21E-04	1.02E-04	6.62E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.54E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.44E-09	1.97E-09	6.10E-08
723	490736.72	3860235.12	1.90E-04	2.19E-04	1.01E-04	6.57E-08	1.98E-07	1.15E-07	1.33E-07	1.20E-07	5.48E-08	2.52E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.86E-08	4.40E-09	1.95E-09	6.05E-08
724	490786.72	3860235.12	1.88E-04	2.17E-04	9.99E-05	6.51E-08	1.97E-07	1.14E-07	1.31E-07	1.19E-07	5.44E-08	2.50E-08	0.00E+00	0.00E+00	2.09E-08	4.46E-09	2.83E-08	4.37E-09	1.94E-09	6.00E-08
725	490086.72	3860285.12	1.94E-04	2.24E-04	1.04E-04	6.73E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.62E-08	2.59E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.92E-08	4.51E-09	2.01E-09	6.20E-08
726	490136.72	3860285.12	1.95E-04	2.25E-04	1.04E-04	6.76E-08	2.04E-07	1.18E-07	1.36E-07	1.24E-07	5.64E-08	2.60E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.53E-09	2.01E-09	6.23E-08
727	490186.72	3860285.12	1.96E-04	2.26E-04	1.04E-04	6.78E-08	2.05E-07	1.18E-07	1.37E-07	1.24E-07	5.66E-08	2.61E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.95E-08	4.54E-09	2.02E-09	6.24E-08
728	490236.72	3860285.12	1.96E-04	2.26E-04	1.04E-04	6.79E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.61E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.02E-09	6.26E-08

729	490286.72	3860285.12	1.96E-04	2.26E-04	1.04E-04	6.79E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.61E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.02E-09	6.26E-08
730	490336.72	3860285.12	1.96E-04	2.26E-04	1.04E-04	6.78E-08	2.05E-07	1.18E-07	1.37E-07	1.24E-07	5.66E-08	2.60E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.95E-08	4.54E-09	2.02E-09	6.25E-08
731	490386.72	3860285.12	1.95E-04	2.26E-04	1.04E-04	6.77E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.65E-08	2.60E-08	0.00E+00	0.00E+00	2.18E-08	4.63E-09	2.94E-08	4.53E-09	2.01E-09	6.23E-08
732	490436.72	3860285.12	1.95E-04	2.25E-04	1.03E-04	6.74E-08	2.04E-07	1.18E-07	1.36E-07	1.23E-07	5.63E-08	2.59E-08	0.00E+00	0.00E+00	2.17E-08	4.62E-09	2.93E-08	4.52E-09	2.00E-09	6.21E-08
733	490486.72	3860285.12	1.94E-04	2.24E-04	1.03E-04	6.71E-08	2.03E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.57E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.50E-09	1.99E-09	6.18E-08
734	490536.72	3860285.12	1.93E-04	2.22E-04	1.02E-04	6.67E-08	2.01E-07	1.17E-07	1.35E-07	1.22E-07	5.57E-08	2.56E-08	0.00E+00	0.00E+00	2.14E-08	4.57E-09	2.90E-08	4.47E-09	1.98E-09	6.14E-08
735	490586.72	3860285.12	1.91E-04	2.21E-04	1.01E-04	6.62E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.54E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.44E-09	1.97E-09	6.10E-08
736	490636.72	3860285.12	1.90E-04	2.19E-04	1.01E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.52E-08	0.00E+00	0.00E+00	2.11E-08	4.51E-09	2.86E-08	4.41E-09	1.95E-09	6.06E-08
737	490686.72	3860285.12	1.89E-04	2.18E-04	1.00E-04	6.53E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.45E-08	2.50E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.84E-08	4.38E-09	1.94E-09	6.02E-08
738	490736.72	3860285.12	1.87E-04	2.16E-04	9.93E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.41E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.44E-09	2.82E-08	4.34E-09	1.92E-09	5.97E-08
739	490786.72	3860285.12	1.86E-04	2.14E-04	9.85E-05	6.43E-08	1.94E-07	1.12E-07	1.30E-07	1.18E-07	5.37E-08	2.46E-08	0.00E+00	0.00E+00	2.07E-08	4.40E-09	2.79E-08	4.31E-09	1.91E-09	5.92E-08
740	490086.72	3860335.12	1.89E-04	2.18E-04	1.01E-04	6.55E-08	1.98E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.52E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.39E-09	1.95E-09	6.03E-08
741	490136.72	3860335.12	1.90E-04	2.19E-04	1.01E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.53E-08	0.00E+00	0.00E+00	2.12E-08	4.51E-09	2.86E-08	4.41E-09	1.96E-09	6.06E-08
742	490186.72	3860335.12	1.91E-04	2.20E-04	1.01E-04	6.60E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.54E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.43E-09	1.96E-09	6.09E-08
743	490236.72	3860335.12	1.91E-04	2.21E-04	1.02E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.55E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.44E-09	1.97E-09	6.11E-08
744	490286.72	3860335.12	1.92E-04	2.21E-04	1.02E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.54E-08	2.55E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.45E-09	1.97E-09	6.11E-08
745	490336.72	3860335.12	1.92E-04	2.21E-04	1.02E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.54E-08	2.55E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.45E-09	1.97E-09	6.11E-08
746	490386.72	3860335.12	1.91E-04	2.21E-04	1.02E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.54E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.44E-09	1.97E-09	6.11E-08
747	490436.72	3860335.12	1.91E-04	2.21E-04	1.01E-04	6.61E-08	2.00E-07	1.16E-07	1.33E-07	1.21E-07	5.52E-08	2.54E-08	0.00E+00	0.00E+00	2.13E-08	4.53E-09	2.87E-08	4.43E-09	1.96E-09	6.09E-08
748	490486.72	3860335.12	1.90E-04	2.20E-04	1.01E-04	6.59E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.50E-08	2.53E-08	0.00E+00	0.00E+00	2.12E-08	4.51E-09	2.86E-08	4.42E-09	1.96E-09	6.07E-08
749	490536.72	3860335.12	1.90E-04	2.19E-04	1.00E-04	6.56E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.48E-08	2.52E-08	0.00E+00	0.00E+00	2.11E-08	4.49E-09	2.85E-08	4.40E-09	1.95E-09	6.05E-08
750	490586.72	3860335.12	1.88E-04	2.18E-04	9.99E-05	6.52E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.44E-08	2.50E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.84E-08	4.37E-09	1.94E-09	6.01E-08
751	490636.72	3860335.12	1.87E-04	2.16E-04	9.93E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.41E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.44E-09	2.82E-08	4.35E-09	1.92E-09	5.97E-08
752	490686.72	3860335.12	1.86E-04	2.15E-04	9.86E-05	6.44E-08	1.94E-07	1.13E-07	1.30E-07	1.18E-07	5.37E-08	2.47E-08	0.00E+00	0.00E+00	2.07E-08	4.41E-09	2.80E-08	4.32E-09	1.91E-09	5.93E-08
753	490736.72	3860335.12	1.85E-04	2.13E-04	9.78E-05	6.39E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.34E-08	2.45E-08	0.00E+00	0.00E+00	2.06E-08	4.38E-09	2.78E-08	4.28E-09	1.90E-09	5.89E-08
754	490786.72	3860335.12	1.83E-04	2.12E-04	9.72E-05	6.35E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.26E-09	1.88E-09	5.85E-08
755	490086.72	3860385.12	1.84E-04	2.12E-04	9.78E-05	6.37E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.31E-08	2.45E-08	0.00E+00	0.00E+00	2.05E-08	4.36E-09	2.77E-08	4.27E-09	1.89E-09	5.87E-08
756	490136.72	3860385.12	1.85E-04	2.14E-04	9.83E-05	6.40E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.46E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.90E-09	5.90E-08
757	490186.72	3860385.12	1.86E-04	2.14E-04	9.86E-05	6.43E-08	1.94E-07	1.12E-07	1.30E-07	1.18E-07	5.37E-08	2.47E-08	0.00E+00	0.00E+00	2.07E-08	4.40E-09	2.79E-08	4.31E-09	1.91E-09	5.92E-08
758	490236.72	3860385.12	1.86E-04	2.15E-04	9.90E-05	6.46E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.39E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.42E-09	2.81E-08	4.33E-09	1.92E-09	5.95E-08
759	490286.72	3860385.12	1.87E-04	2.16E-04	9.92E-05	6.47E-08	1.95E-07	1.13E-07	1.31E-07	1.18E-07	5.40E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.34E-09	1.92E-09	5.96E-08
760	490336.72	3860385.12	1.87E-04	2.16E-04	9.93E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.41E-08	2.49E-08	0.00E+00	0.00E+00	2.08E-08	4.44E-09	2.82E-08	4.35E-09	1.92E-09	5.97E-08
761	490386.72	3860385.12	1.87E-04	2.16E-04	9.93E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.41E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.44E-09	2.82E-08	4.35E-09	1.92E-09	5.97E-08
762	490436.72	3860385.12	1.87E-04	2.16E-04	9.92E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.41E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.44E-09	2.82E-08	4.34E-09	1.92E-09	5.97E-08
763	490486.72	3860385.12	1.87E-04	2.16E-04	9.90E-05	6.47E-08	1.95E-07	1.13E-07	1.31E-07	1.18E-07	5.40E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.34E-09	1.92E-09	5.96E-08
764	490536.72	3860385.12	1.86E-04	2.15E-04	9.87E-05	6.45E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.38E-08	2.47E-08	0.00E+00	0.00E+00	2.07E-08	4.42E-09	2.80E-08	4.32E-09	1.91E-09	5.94E-08
765	490586.72	3860385.12	1.85E-04	2.14E-04	9.82E-05	6.42E-08	1.94E-07	1.12E-07	1.30E-07	1.17E-07	5.36E-08	2.46E-08	0.00E+00	0.00E+00	2.06E-08	4.40E-09	2.79E-08	4.30E-09	1.90E-09	5.92E-08
766	490636.72	3860385.12	1.84E-04	2.13E-04	9.77E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.44E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.78E-08	4.28E-09	1.89E-09	5.88E-08
767	490686.72	3860385.12	1.83E-04	2.12E-04	9.71E-05	6.35E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.26E-09	1.88E-09	5.85E-08
768	490736.72	3860385.12	1.82E-04	2.10E-04	9.64E-05	6.30E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.26E-08	2.41E-08	0.00E+00	0.00E+00	2.03E-08	4.32E-09	2.74E-08	4.23E-09	1.87E-09	5.81E-08
769	490786.72	3860385.12	1.81E-04	2.09E-04	9.57E-05	6.26E-08	1.89E-07	1.09E-07	1.26E-07	1.15E-07	5.22E-08	2.40E-08	0.00E+00	0.00E+00	2.01E-08	4.29E-09	2.72E-08	4.20E-09	1.85E-09	5.77E-08
770	490136.72	3860435.12	1.80E-04	2.08E-04	9.55E-05	6.23E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.20E-08	2.39E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.71E-08	4.17E-09	1.85E-09	5.74E-08
771	490186.72	3860435.12	1.81E-04	2.09E-04	9.59E-05	6.26E-08	1.89E-07	1.09E-07	1.26E-07	1.15E-07	5.22E-08	2.40E-08	0.00E+00	0.00E+00	2.01E-08	4.29E-09	2.72E-08	4.20E-09	1.86E-09	5.77E-08
772	490236.72	3860435.12	1.82E-04	2.10E-04	9.63E-05	6.29E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.25E-08	2.41E-08	0.00E+00	0.00E+00	2.02E-08	4.31E-09	2.73E-08	4.21E-09	1.87E-09	5.79E-08
773	490286.72	3860435.12	1.82E-04	2.10E-04	9.66E-05	6.31E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.27E-08	2.42E-08	0.00E+00	0.00E+00	2.03E-08	4.32E-09	2.74E-08	4.23E-09	1.87E-09	5.81E-08
774	490336.72	3860435.12	1.83E-04	2.11E-04	9.68E-05	6.32E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.28E-08	2.42E-08	0.00E+00	0.00E+00	2.03E-08	4.33E-09	2.75E-08	4.24E-09	1.88E-09	5.83E-08
775	490386.72	3860435.12	1.83E-04	2.11E-04	9.69E-05	6.33E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.75E-08	4.25E-09	1.88E-09	5.84E-08
776	490436.72	3860435.12	1.83E-04	2.11E-04	9.70E-05	6.34E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.76E-08	4.25E-09	1.88E-09	5.84E-08
777	490486.72	3860435.12	1.83E-04	2.11E-04	9.69E-05	6.33E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.75E-08	4.25E-09	1.88E-09	5.84E-08
778	490536.72	3860435.12	1.83E-04	2.11E-04	9.67E-05	6.32E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.28E-08	2.42E-08	0.00E+00	0.00E+00	2.03E-08	4.33E-09	2.75E-08	4.24E-09	1.87E-09	5.83E-08
779	490586.72	3860435.12	1.82E-04	2.10E-04	9.64E-05	6.30E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.26E-08	2.41E-08	0.00E+00	0.00E+00	2.03E-08	4.32E-09	2.74E-08	4.23E-09	1.87E-09	5.81E-08
780	490636.72	3860435.12	1.81E-04	2.09E-04	9.60E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.40E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.86E-09	5.79E-08
781	490686.72	3860435.12	1.80E-04	2.08E-04	9.55E-05	6.25E-08	1.89E-07	1.09E-07	1.26E-07	1.14E-07	5.22E-08	2.39E-08	0.00E+00	0.00E+00	2.01E-08	4.28E-09	2.72E-08	4.19E-09	1.85E-09	5.76E-08
782	490736.72	3860435.12	1.80E-04	2.07E-04	9.50E-05	6.21E-08	1.88E-07	1.09E-07	1.25E-07	1.14E-07	5.19E-08	2.38E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.70E-08	4.17E-09	1.84E-09	5.73E-08
783	490786.72	3860435.12	1.78E-04	2.06E-04	9.44E-05	6.17E-08	1.86E-07	1.08E-07	1.25E-07	1.13E-07	5.16E-08	2.36E-08	0.00E+00	0.00E+00	1.98E-08	4.23E-09	2.68E-08	4.14E-09	1.83E-09	5.69E-08
784	490136.72	3860485.12	1.75E-04	2.02E-04	9.29E-05	6.06E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.06E-08	2.32E-08	0.00E+00	0.00E+00	1.95E-08	4.15E-09	2.64E-08	4.06E-09	1.80E-09	5.59E-08
785	490186.72	3860485.12	1.76E-04	2.03E-04	9.33E-05	6.09E-08	1.84E-07	1.06E-07	1.23E-07	1.11E-07	5.09E-08	2.34E-08	0.00E+00	0.00E+00	1.96E-08	4.17E-09	2.65E-08	4.08E-09	1.81E-09	5.61E-08
786	490236.72	3860485.12	1.77E-04	2.04E-04	9.37E-05	6.12E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.11E-08	2.34E-08	0.00E+00	0.00E+00	1.97E-08	4.19E-09	2.66E-08	4.10E-09	1.82E-09	5.64E-08
787	490286.72	3860485.12	1.78E-04	2.05E-04	9.41E-05	6.15E-08	1.86E-07	1.07E-07	1.24E-07	1.12E-07	5.13E-08	2.35E-08	0.00E+00	0.00E+00	1.98E-08	4.21E-09	2.67E-08	4.12E-09	1.82E-09	5.67E-08
788	490336.72	3860485.12	1.78E-04	2.06E-04	9.43E-05	6.17E-08	1.86E-07	1.08E-07	1.24E-07	1.13E-07	5.15E-08	2.36E-08	0.00E+00	0.00E+00	1.98E-08	4.23E-09	2.68E-08	4.13E-09	1.83E-09	5.68E-08
789	490386.72	3860485.12	1.79E-04	2.06E-04	9.46E-05	6.18E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.16E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.24E-09	2.69E-08	4.15E-09	1.83E-09	5.70E-08
790	490436.72	3860485.12	1.79E-04	2.07E-04	9.48E-05	6.20E-08	1.87E-07	1.08E-07	1.25E-07	1.14E-07	5.18E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.25E-09	2.70E-08	4.16E-09	1.84E-09	5.72E-08
791	490486.72	3860485.12	1.79E-04	2.07E-04	9.48E-05	6.20E-08	1.87E-07	1.08E-07	1.25E-07	1.14E-07	5.18E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.25E-09	2.70E-08	4.16E-09	1.84E-09	5.72E-08
792	490536.72	3860485.12	1.79E-04	2.07E-04	9.47E-05	6.20E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.17E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.25E-09	2.69E-08	4.16E-09	1.84E-09	5.71E-08
793	490586.72	3860485.12	1.79E-04	2.06E-04	9.45E-05	6.18E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.17E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.24E-09	2.69E-08	4.15E-09	1.83E-09	5.70E-08
794	490636.72	3860485.12	1.78E-04	2.06E-04	9.43E-05	6.17E-08	1.86E-07	1.08E-07	1.25E-07	1.13E-07	5.15E-08	2.36E-08	0.00E+00	0.00E+00	1.98E-08	4.23E-09	2.68E-08	4.14E-09	1.83E-09	5.69E-08
795	490686.72	3860485.12	1.77E-04	2.05E-04	9.39E-05	6.14E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.13E-08	2.35E-08	0.00E+00	0.00E+00	1.98E-08	4.21E-09	2.67E-08	4.12E-09	1.82E-09	5.66E-08
796	490736.72	3860485.12	1.77E-04	2.04E-04	9.34E-05	6.12E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.11E-08	2.34E-08	0.00E+00	0.00E+00	1.97E-08	4.19E-09	2.66E-08	4.10E-09	1.81E-09	5.64E-08
797	490786.72	3860485.12	1.76E-04	2.03E-04	9.29E-05	6.08E-08	1.84E-07	1.06E-07	1.23E-07	1.11E-07	5.08E-08	2.33E-08	0.00E+00	0.00E+00	1.96E-08	4.17E-09	2.65E-08	4.08E-09	1.80E-09	5.61E-08
798	490136.72	3860535.12	1.71E-04	1.97E-04	9.04E-05	5.90E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.93E-08	2.26E-08	0.00E+00	0.00E+00	1.90E-08	4.04E-09	2.57E-08	3.96E-09	1.75E-09	5.44E-08
799	490186.72	3860535.12	1.72E-04	1.98E-04	9.10E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.96E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.99E-09	1.76E-09	5.48E-08
800	490236.72	3860535.12	1.72E-04	1.99E-04	9.12E-05	5.96E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.28E-08	0.00E+00	0.00E+00	1.92E-08	4.08E-09	2.59E-08	4.00E-09	1.77E-09	5.49E-08
801	490286.72	3860535.12	1.73E-04	2.00E-04	9.15E-05	5.98E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.00E-08	2.29E-08	0.00E+00	0.00E+00	1.92E-08	4.10E-09	2.60E-08	4.01E-09	1.77E-09	5.52E-08
802	490336.72	3860535.12	1.74E-04	2.01E-04	9.19E-05	6.01E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.02E-08	2.30E-08	0.00E+00	0.00E+00	1.93E-08	4.12E-09	2.61E-08	4.03E-09	1.78E-09	5.54E-08
803	490386.72	3860535.12	1.74E-04	2.01E-04	9.23E-05	6.04E-08	1.82E-07	1.06E-07	1.22E-07	1.11E-07	5.04E-08	2.31E-08	0.00E+00	0.00E+00	1.94E-08	4.14E-09	2.63E-08	4.05E-09	1.79E-09	5.56E-08
804	490436.72	3860535.12	1.75E-04	2.02E-04	9.26E-05	6.06E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.06E-08	2.32E-08	0.00E+00	0.00E+00	1.95E-08	4.15E-09	2.64E-08	4.06E-09	1.79E-09	5.58E-08
805	490486.72	3860535.12	1.75E-04	2.03E-04	9.28E-05	6.07E-08	1.83E-07	1.06E-07	1.23E-07	1.11E-07	5.07E-08	2.32E-08	0.00E+00	0.00E+00	1.95E-08	4.16E-09	2.64E-08	4.07E-09	1.80E-09	5.60E-08
806	490536.72	3860535.12	1.76E-04	2.03E-04	9.31E-05	6.09E-08	1.84E-07	1.06E-07	1.23E-07	1.12E-07	5.09E-08	2.33E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.80E-09	5.61E-08
807	490586.72	3860535.12	1.75E-04	2.02E-04	9.27E-05	6.07E-08	1.83E-07	1.06E-07	1.23E-07	1.11E-07	5.07E-08	2.32E-08	0.00E+00	0.00E+00	1.95E-08	4.16E-09	2.64E-08	4.07E-09	1.80E-09	5.59E-08
808	490636.72	3860535.12	1.75E-04	2.02E-04	9.25E-05	6.05E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.06E-08	2.31E-08	0.00E+00	0.00E+00	1.95E-08	4.15E-09	2.63E-08	4.06E-09	1.79E-09	5.58E-08
809	490686.72	3860535.12	1.74E-04	2.02E-04	9.22E-05	6.04E-08	1.82E-07	1.06E-07	1.22E-07	1.11E-07	5.04E-08	2.31E-08	0.00E+00	0.00E+00	1.94E-08	4.14E-09	2.63E-08	4.05E-09	1.79E-09	5.57E-08
810	490736.72	3860535.12	1.74E-04	2.01E-04	9.19E-05	6.02E-08	1.82E-07	1.05E-07	1.21E-07	1.10E-07	5.03E-08	2.30E-08	0.00E+00	0.00E+00	1.93E-08	4.12E-09	2.62E-08	4.04E-09	1.78E-09	5.54E-08
811	490786.72	3860535.12	1.73E-04	2.00E-04	9.15E-05	5.99E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.00E-08	2.29E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.77E-09	5.52E-08
812	490136.72	3860585.12	1.66E-04	1.92E-04	8.81E-05	5.76E-08	1.74E-07	1.01E-07	1.16E-07	1.05E-07	4.81E-08	2.21E-08	0.00E+00	0.00E+00	1.85E-08	3.95E-09	2.51E-08	3.86E-09	1.71E-09	5.31E-08
813	490186.72	3860585.12	1.66E-04	1.92E-04	8.80E-05	5.76E-08	1.74E-07	1.01E-07	1.16E-07	1.05E-07	4.81E-08	2.20E-08	0.00E+00	0.00E+00	1.85E-08	3.95E-09	2.50E-08	3.86E-09	1.71E-09	5.31E-08
814	490236.72	3860585.12	1.67E-04	1.93E-04	8.86E-05	5.80E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.84E-08	2.22E-08	0.00E+00	0.00E+00	1.86E-08	3.97E-09	2.52E-08	3.89E-09	1.72E-09	5.34E-08
815	490286.72	3860585.12	1.68E-04	1.95E-04	8.91E-05	5.83E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.87E-08	2.23E-08	0.00E+00	0.00E+00	1.87E-08	3.99E-09	2.53E-08	3.91E-09	1.73E-09	5.37E-08
816	490336.72	3860585.12	1.69E-04	1.95E-04	8.95E-05	5.86E-08	1.77E-07	1.02E-07	1.18E-07	1.07E-07	4.89E-08	2.24E-08	0.00E+00	0.00E+00	1.88E-08	4.01E-09	2.55E-08	3.93E-09	1.73E-09	5.40E-08
817	490386.72	3860585.12	1.70E-04	1.96E-04	8.98E-05	5.88E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.91E-08	2.25E-08	0.00E+00	0.00E+00	1.89E-08	4.03E-09	2.56E-08	3.94E-09	1.74E-09	5.42E-08
818	490436.72	3860585.12	1.71E-04	1.98E-04	9.04E-05	5.92E-08	1.79E-07	1.04E-07	1.20E-07	1.08E-07	4.95E-08	2.26E-08	0.00E+00	0.00E+00	1.90E-08	4.06E-09	2.58E-08	3.97E-09	1.75E-09	5.46E-08
819	490486.72	3860585.12	1.72E-04	1.99E-04	9.09E-05	5.95E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.08E-09	2.59E-08	3.99E-09	1.76E-09	5.49E-08
820	490536.72	3860585.12	1.72E-04	1.99E-04	9.10E-05	5.96E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.28E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.59E-08	4.00E-09	1.76E-09	5.49E-08
821	490586.72	3860585.12	1.71E-04	1.98E-04	9.06E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.96E-08	2.27E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.98E-09	1.76E-09	5.47E-08
822	490636.72	3860585.12	1.71E-04	1.98E-04	9.06E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.96E-08	2.27E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.98E-09	1.76E-09	5.47E-08
823	490686.72	3860585.12	1.71E-04	1.98E-04	9.05E-05	5.93E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.95E-08	2.26E-08	0.00E+00	0.00E+00	1.91E-08	4.06E-09	2.58E-08	3.98E-09	1.75E-09	5.46E-08
824	490736.72	3860585.12	1.71E-04	1.97E-04	9.02E-05	5.91E-08	1.79E-07	1.03E-07	1.19E-07	1.08E-07	4.94E-08	2.26E-08	0.00E+00	0.00E+00	1.90E-08	4.05E-09	2.57E-08	3.97E-09	1.75E-09	5.45E-08
825	490786.72	3860585.12	1.70E-04	1.97E-04	8.99E-05	5.89E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.92E-08	2.25E-08	0.00E+00	0.00E+00	1.89E-08	4.04E-09	2.56E-08	3.95E-09	1.74E-09	5.43E-08
826	490136.72	3860635.12	1.63E-04	1.88E-04	8.62E-05	5.64E-08	1.70E-07	9.86E-08	1.14E-07	1.03E-07	4.71E-08	2.16E-08	0.00E+00	0.00E+00	1.81E-08	3.87E-09	2.45E-08	3.78E-09	1.67E-09	5.20E-08
827	490186.72	3860635.12	1.63E-04	1.88E-04	8.62E-05	5.64E-08	1.70E-07	9.86E-08	1.14E-07	1.03E-07	4.71E-08	2.16E-08	0.00E+00	0.00E+00	1.81E-08	3.87E-09	2.45E-08	3.78E-09	1.67E-09	5.20E-08
828	490236.72	3860635.12	1.63E-04	1.88E-04	8.63E-05	5.65E-08	1.71E-07	9.87E-08	1.14E-07	1.03E-07	4.72E-08	2.16E-08	0.00E+00	0.00E+00	1.82E-08	3.87E-09	2.46E-08	3.79E-09	1.67E-09	5.21E-08
829	490286.72	3860635.12	1.64E-04	1.89E-04	8.66E-05	5.67E-08	1.71E-07	9.92E-08	1.15E-07	1.04E-07	4.74E-08	2.17E-08	0.00E+00	0.00E+00	1.82E-08	3.89E-09	2.47E-08	3.80E-09	1.68E-09	5.23E-08
830	490336.72	3860635.12	1.65E-04	1.90E-04	8.71E-05	5.70E-08	1.72E-07	9.97E-08	1.15E-07	1.04E-07	4.76E-08	2.18E-08	0.00E+00	0.00E+00	1.83E-08	3.91E-09	2.48E-08	3.83E-09	1.69E-09	5.26E-08
831	490386.72	3860635.12	1.66E-04	1.91E-04	8.75E-05	5.73E-08	1.73E-07	1.00E-07	1.16E-07	1.05E-07	4.79E-08	2.19E-08	0.00E+00	0.00E+00	1.84E-08	3.93E-09	2.49E-08	3.85E-09	1.70E-09	5.28E-08
832	490436.72	3860635.12	1.66E-04	1.92E-04	8.79E-05	5.76E-08	1.74E-07	1.01E-07	1.16E-07	1.05E-07	4.81E-08	2.20E-08	0.00E+00	0.00E+00	1.85E-08	3.95E-09	2.50E-08	3.86E-09	1.70E-09	5.31E-08
833	490486.72	3860635.12	1.67E-04	1.93E-04	8.82E-05	5.78E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.83E-08	2.21E-08	0.00E+00	0.00E+00	1.86E-08	3.96E-09	2.51E-08	3.88E-09	1.71E-09	5.33E-08

834	490536.72	3860635.12	1.68E-04	1.94E-04	8.86E-05	5.81E-08	1.75E-07	1.02E-07	1.17E-07	1.06E-07	4.85E-08	2.22E-08	0.00E+00	0.00E+00	1.87E-08	3.98E-09	2.53E-08	3.90E-09	1.72E-09	5.35E-08
835	490586.72	3860635.12	1.68E-04	1.94E-04	8.86E-05	5.81E-08	1.75E-07	1.02E-07	1.17E-07	1.06E-07	4.85E-08	2.22E-08	0.00E+00	0.00E+00	1.87E-08	3.98E-09	2.53E-08	3.90E-09	1.72E-09	5.36E-08
836	490636.72	3860635.12	1.68E-04	1.94E-04	8.87E-05	5.82E-08	1.76E-07	1.02E-07	1.17E-07	1.07E-07	4.86E-08	2.22E-08	0.00E+00	0.00E+00	1.87E-08	3.99E-09	2.53E-08	3.90E-09	1.72E-09	5.36E-08
837	490686.72	3860635.12	1.68E-04	1.94E-04	8.87E-05	5.82E-08	1.76E-07	1.02E-07	1.17E-07	1.06E-07	4.86E-08	2.22E-08	0.00E+00	0.00E+00	1.87E-08	3.99E-09	2.53E-08	3.90E-09	1.72E-09	5.36E-08
838	490736.72	3860635.12	1.68E-04	1.94E-04	8.85E-05	5.80E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.85E-08	2.21E-08	0.00E+00	0.00E+00	1.87E-08	3.98E-09	2.52E-08	3.89E-09	1.71E-09	5.35E-08
839	490786.72	3860635.12	1.67E-04	1.93E-04	8.83E-05	5.79E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.84E-08	2.21E-08	0.00E+00	0.00E+00	1.86E-08	3.97E-09	2.52E-08	3.89E-09	1.71E-09	5.34E-08
840	490136.72	3860685.12	1.59E-04	1.83E-04	8.39E-05	5.49E-08	1.66E-07	9.60E-08	1.11E-07	1.01E-07	4.59E-08	2.10E-08	0.00E+00	0.00E+00	1.77E-08	3.77E-09	2.39E-08	3.68E-09	1.63E-09	5.06E-08
841	490186.72	3860685.12	1.60E-04	1.85E-04	8.46E-05	5.54E-08	1.67E-07	9.68E-08	1.12E-07	1.01E-07	4.62E-08	2.12E-08	0.00E+00	0.00E+00	1.78E-08	3.80E-09	2.41E-08	3.71E-09	1.64E-09	5.10E-08
842	490236.72	3860685.12	1.60E-04	1.85E-04	8.44E-05	5.53E-08	1.67E-07	9.67E-08	1.12E-07	1.01E-07	4.62E-08	2.11E-08	0.00E+00	0.00E+00	1.78E-08	3.79E-09	2.41E-08	3.71E-09	1.64E-09	5.10E-08
843	490286.72	3860685.12	1.59E-04	1.84E-04	8.43E-05	5.52E-08	1.67E-07	9.65E-08	1.12E-07	1.01E-07	4.61E-08	2.11E-08	0.00E+00	0.00E+00	1.78E-08	3.78E-09	2.40E-08	3.70E-09	1.63E-09	5.09E-08
844	490336.72	3860685.12	1.61E-04	1.86E-04	8.48E-05	5.56E-08	1.68E-07	9.72E-08	1.12E-07	1.02E-07	4.64E-08	2.12E-08	0.00E+00	0.00E+00	1.79E-08	3.81E-09	2.42E-08	3.73E-09	1.64E-09	5.12E-08
845	490386.72	3860685.12	1.61E-04	1.86E-04	8.52E-05	5.59E-08	1.69E-07	9.77E-08	1.13E-07	1.02E-07	4.67E-08	2.13E-08	0.00E+00	0.00E+00	1.80E-08	3.83E-09	2.43E-08	3.75E-09	1.65E-09	5.15E-08
846	490436.72	3860685.12	1.62E-04	1.87E-04	8.56E-05	5.61E-08	1.69E-07	9.80E-08	1.13E-07	1.03E-07	4.69E-08	2.14E-08	0.00E+00	0.00E+00	1.80E-08	3.85E-09	2.44E-08	3.76E-09	1.66E-09	5.17E-08
847	490486.72	3860685.12	1.63E-04	1.88E-04	8.58E-05	5.63E-08	1.70E-07	9.84E-08	1.14E-07	1.03E-07	4.70E-08	2.15E-08	0.00E+00	0.00E+00	1.81E-08	3.86E-09	2.45E-08	3.78E-09	1.66E-09	5.19E-08
848	490536.72	3860685.12	1.63E-04	1.89E-04	8.62E-05	5.65E-08	1.71E-07	9.88E-08	1.14E-07	1.04E-07	4.72E-08	2.16E-08	0.00E+00	0.00E+00	1.82E-08	3.88E-09	2.46E-08	3.79E-09	1.67E-09	5.21E-08
849	490586.72	3860685.12	1.64E-04	1.89E-04	8.65E-05	5.67E-08	1.71E-07	9.92E-08	1.15E-07	1.04E-07	4.74E-08	2.16E-08	0.00E+00	0.00E+00	1.82E-08	3.89E-09	2.47E-08	3.81E-09	1.68E-09	5.23E-08
850	490636.72	3860685.12	1.64E-04	1.90E-04	8.68E-05	5.69E-08	1.72E-07	9.95E-08	1.15E-07	1.04E-07	4.75E-08	2.17E-08	0.00E+00	0.00E+00	1.83E-08	3.90E-09	2.48E-08	3.82E-09	1.68E-09	5.25E-08
851	490686.72	3860685.12	1.65E-04	1.90E-04	8.69E-05	5.70E-08	1.72E-07	9.97E-08	1.15E-07	1.04E-07	4.76E-08	2.18E-08	0.00E+00	0.00E+00	1.83E-08	3.91E-09	2.48E-08	3.83E-09	1.68E-09	5.26E-08
852	490736.72	3860685.12	1.65E-04	1.90E-04	8.69E-05	5.70E-08	1.72E-07	9.96E-08	1.15E-07	1.04E-07	4.76E-08	2.17E-08	0.00E+00	0.00E+00	1.83E-08	3.91E-09	2.48E-08	3.82E-09	1.68E-09	5.25E-08
853	490786.72	3860685.12	1.65E-04	1.90E-04	8.69E-05	5.70E-08	1.72E-07	9.96E-08	1.15E-07	1.04E-07	4.76E-08	2.17E-08	0.00E+00	0.00E+00	1.83E-08	3.91E-09	2.48E-08	3.82E-09	1.68E-09	5.25E-08
854	490136.72	3860735.12	1.54E-04	1.78E-04	8.14E-05	5.33E-08	1.61E-07	9.32E-08	1.08E-07	9.76E-08	4.45E-08	2.04E-08	0.00E+00	0.00E+00	1.71E-08	3.66E-09	2.32E-08	3.58E-09	1.58E-09	4.91E-08
855	490186.72	3860735.12	1.54E-04	1.78E-04	8.15E-05	5.34E-08	1.61E-07	9.34E-08	1.08E-07	9.78E-08	4.46E-08	2.04E-08	0.00E+00	0.00E+00	1.72E-08	3.66E-09	2.32E-08	3.58E-09	1.58E-09	4.92E-08
856	490236.72	3860735.12	1.55E-04	1.79E-04	8.18E-05	5.36E-08	1.62E-07	9.37E-08	1.08E-07	9.81E-08	4.48E-08	2.05E-08	0.00E+00	0.00E+00	1.72E-08	3.67E-09	2.33E-08	3.60E-09	1.58E-09	4.94E-08
857	490286.72	3860735.12	1.56E-04	1.80E-04	8.21E-05	5.38E-08	1.63E-07	9.41E-08	1.09E-07	9.86E-08	4.50E-08	2.06E-08	0.00E+00	0.00E+00	1.73E-08	3.69E-09	2.34E-08	3.61E-09	1.59E-09	4.96E-08
858	490336.72	3860735.12	1.56E-04	1.81E-04	8.25E-05	5.41E-08	1.63E-07	9.45E-08	1.09E-07	9.90E-08	4.52E-08	2.06E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.35E-08	3.63E-09	1.60E-09	4.99E-08
859	490386.72	3860735.12	1.57E-04	1.82E-04	8.30E-05	5.44E-08	1.64E-07	9.51E-08	1.10E-07	9.96E-08	4.55E-08	2.08E-08	0.00E+00	0.00E+00	1.75E-08	3.73E-09	2.37E-08	3.65E-09	1.61E-09	5.02E-08
860	490436.72	3860735.12	1.58E-04	1.83E-04	8.36E-05	5.49E-08	1.66E-07	9.59E-08	1.11E-07	1.00E-07	4.58E-08	2.09E-08	0.00E+00	0.00E+00	1.76E-08	3.76E-09	2.39E-08	3.68E-09	1.62E-09	5.06E-08
861	490486.72	3860735.12	1.59E-04	1.84E-04	8.39E-05	5.50E-08	1.66E-07	9.62E-08	1.11E-07	1.01E-07	4.60E-08	2.10E-08	0.00E+00	0.00E+00	1.77E-08	3.77E-09	2.39E-08	3.69E-09	1.63E-09	5.07E-08
862	490536.72	3860735.12	1.59E-04	1.84E-04	8.40E-05	5.51E-08	1.66E-07	9.63E-08	1.11E-07	1.01E-07	4.60E-08	2.10E-08	0.00E+00	0.00E+00	1.77E-08	3.78E-09	2.40E-08	3.70E-09	1.63E-09	5.08E-08
863	490586.72	3860735.12	1.60E-04	1.85E-04	8.43E-05	5.53E-08	1.67E-07	9.67E-08	1.12E-07	1.01E-07	4.62E-08	2.11E-08	0.00E+00	0.00E+00	1.78E-08	3.79E-09	2.41E-08	3.71E-09	1.63E-09	5.10E-08
864	490636.72	3860735.12	1.60E-04	1.85E-04	8.46E-05	5.55E-08	1.68E-07	9.70E-08	1.12E-07	1.02E-07	4.64E-08	2.12E-08	0.00E+00	0.00E+00	1.78E-08	3.80E-09	2.41E-08	3.72E-09	1.64E-09	5.12E-08
865	490686.72	3860735.12	1.61E-04	1.86E-04	8.49E-05	5.57E-08	1.68E-07	9.74E-08	1.13E-07	1.02E-07	4.66E-08	2.12E-08	0.00E+00	0.00E+00	1.79E-08	3.82E-09	2.42E-08	3.74E-09	1.65E-09	5.14E-08
866	490736.72	3860735.12	1.61E-04	1.87E-04	8.51E-05	5.59E-08	1.69E-07	9.77E-08	1.13E-07	1.02E-07	4.67E-08	2.13E-08	0.00E+00	0.00E+00	1.80E-08	3.83E-09	2.43E-08	3.75E-09	1.65E-09	5.15E-08
867	490136.72	3860785.12	1.50E-04	1.73E-04	7.92E-05	5.19E-08	1.57E-07	9.08E-08	1.05E-07	9.51E-08	4.34E-08	1.98E-08	0.00E+00	0.00E+00	1.67E-08	3.56E-09	2.26E-08	3.48E-09	1.53E-09	4.79E-08
868	490186.72	3860785.12	1.50E-04	1.74E-04	7.94E-05	5.21E-08	1.57E-07	9.10E-08	1.05E-07	9.53E-08	4.35E-08	1.99E-08	0.00E+00	0.00E+00	1.67E-08	3.57E-09	2.26E-08	3.49E-09	1.54E-09	4.80E-08
869	490236.72	3860785.12	1.51E-04	1.74E-04	7.96E-05	5.22E-08	1.58E-07	9.13E-08	1.05E-07	9.56E-08	4.36E-08	1.99E-08	0.00E+00	0.00E+00	1.68E-08	3.58E-09	2.27E-08	3.50E-09	1.54E-09	4.81E-08
870	490286.72	3860785.12	1.51E-04	1.75E-04	7.99E-05	5.24E-08	1.58E-07	9.16E-08	1.06E-07	9.60E-08	4.38E-08	2.00E-08	0.00E+00	0.00E+00	1.69E-08	3.59E-09	2.28E-08	3.52E-09	1.55E-09	4.83E-08
871	490336.72	3860785.12	1.52E-04	1.76E-04	8.03E-05	5.26E-08	1.59E-07	9.20E-08	1.06E-07	9.64E-08	4.40E-08	2.01E-08	0.00E+00	0.00E+00	1.69E-08	3.61E-09	2.29E-08	3.53E-09	1.56E-09	4.85E-08
872	490386.72	3860785.12	1.53E-04	1.77E-04	8.08E-05	5.30E-08	1.60E-07	9.27E-08	1.07E-07	9.71E-08	4.43E-08	2.02E-08	0.00E+00	0.00E+00	1.70E-08	3.63E-09	2.31E-08	3.56E-09	1.57E-09	4.89E-08
873	490436.72	3860785.12	1.54E-04	1.78E-04	8.12E-05	5.33E-08	1.61E-07	9.31E-08	1.08E-07	9.76E-08	4.45E-08	2.03E-08	0.00E+00	0.00E+00	1.71E-08	3.65E-09	2.32E-08	3.57E-09	1.57E-09	4.91E-08
874	490486.72	3860785.12	1.55E-04	1.79E-04	8.17E-05	5.36E-08	1.62E-07	9.38E-08	1.08E-07	9.82E-08	4.48E-08	2.05E-08	0.00E+00	0.00E+00	1.72E-08	3.68E-09	2.33E-08	3.60E-09	1.58E-09	4.94E-08
875	490536.72	3860785.12	1.55E-04	1.80E-04	8.20E-05	5.38E-08	1.63E-07	9.41E-08	1.09E-07	9.86E-08	4.50E-08	2.05E-08	0.00E+00	0.00E+00	1.73E-08	3.69E-09	2.34E-08	3.61E-09	1.59E-09	4.96E-08
876	490586.72	3860785.12	1.56E-04	1.80E-04	8.21E-05	5.39E-08	1.63E-07	9.42E-08	1.09E-07	9.87E-08	4.51E-08	2.06E-08	0.00E+00	0.00E+00	1.73E-08	3.70E-09	2.35E-08	3.62E-09	1.59E-09	4.97E-08
877	490636.72	3860785.12	1.56E-04	1.81E-04	8.24E-05	5.41E-08	1.63E-07	9.46E-08	1.09E-07	9.91E-08	4.52E-08	2.06E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.35E-08	3.63E-09	1.60E-09	4.99E-08
878	490686.72	3860785.12	1.57E-04	1.81E-04	8.28E-05	5.43E-08	1.64E-07	9.50E-08	1.10E-07	9.95E-08	4.54E-08	2.07E-08	0.00E+00	0.00E+00	1.75E-08	3.73E-09	2.36E-08	3.65E-09	1.60E-09	5.01E-08
879	490736.72	3860785.12	1.58E-04	1.82E-04	8.31E-05	5.46E-08	1.65E-07	9.54E-08	1.10E-07	9.99E-08	4.56E-08	2.08E-08	0.00E+00	0.00E+00	1.75E-08	3.74E-09	2.37E-08	3.66E-09	1.61E-09	5.03E-08
880	490086.72	3860835.12	1.46E-04	1.69E-04	7.72E-05	5.06E-08	1.53E-07	8.85E-08	1.02E-07	9.27E-08	4.23E-08	1.93E-08	0.00E+00	0.00E+00	1.63E-08	3.47E-09	2.20E-08	3.40E-09	1.50E-09	4.67E-08
881	490136.72	3860835.12	1.47E-04	1.70E-04	7.74E-05	5.08E-08	1.53E-07	8.88E-08	1.03E-07	9.30E-08	4.24E-08	1.94E-08	0.00E+00	0.00E+00	1.63E-08	3.48E-09	2.21E-08	3.41E-09	1.50E-09	4.68E-08
882	490186.72	3860835.12	1.47E-04	1.70E-04	7.75E-05	5.08E-08	1.54E-07	8.89E-08	1.03E-07	9.31E-08	4.25E-08	1.94E-08	0.00E+00	0.00E+00	1.63E-08	3.49E-09	2.21E-08	3.41E-09	1.50E-09	4.69E-08
883	490236.72	3860835.12	1.47E-04	1.70E-04	7.77E-05	5.10E-08	1.54E-07	8.91E-08	1.03E-07	9.33E-08	4.26E-08	1.94E-08	0.00E+00	0.00E+00	1.64E-08	3.49E-09	2.22E-08	3.42E-09	1.51E-09	4.70E-08
884	490286.72	3860835.12	1.48E-04	1.71E-04	7.79E-05	5.11E-08	1.54E-07	8.94E-08	1.03E-07	9.36E-08	4.27E-08	1.95E-08	0.00E+00	0.00E+00	1.64E-08	3.51E-09	2.23E-08	3.43E-09	1.51E-09	4.71E-08
885	490336.72	3860835.12	1.48E-04	1.71E-04	7.82E-05	5.13E-08	1.55E-07	8.97E-08	1.04E-07	9.40E-08	4.29E-08	1.96E-08	0.00E+00	0.00E+00	1.65E-08	3.52E-09	2.23E-08	3.44E-09	1.52E-09	4.73E-08
886	490386.72	3860835.12	1.49E-04	1.72E-04	7.85E-05	5.15E-08	1.56E-07	9.01E-08	1.04E-07	9.44E-08	4.31E-08	1.97E-08	0.00E+00	0.00E+00	1.66E-08	3.53E-09	2.24E-08	3.46E-09	1.52E-09	4.75E-08
887	490436.72	3860835.12	1.50E-04	1.73E-04	7.90E-05	5.19E-08	1.57E-07	9.07E-08	1.05E-07	9.50E-08	4.33E-08	1.98E-08	0.00E+00	0.00E+00	1.67E-08	3.56E-09	2.26E-08	3.48E-09	1.53E-09	4.78E-08
888	490486.72	3860835.12	1.51E-04	1.74E-04	7.95E-05	5.22E-08	1.58E-07	9.12E-08	1.05E-07	9.55E-08	4.36E-08	1.99E-08	0.00E+00	0.00E+00	1.68E-08	3.58E-09	2.27E-08	3.50E-09	1.54E-09	4.81E-08
889	490536.72	3860835.12	1.51E-04	1.75E-04	7.98E-05	5.24E-08	1.58E-07	9.16E-08	1.06E-07	9.60E-08	4.38E-08	2.00E-08	0.00E+00	0.00E+00	1.69E-08	3.60E-09	2.28E-08	3.52E-09	1.55E-09	4.83E-08
890	490586.72	3860835.12	1.52E-04	1.76E-04	8.01E-05	5.26E-08	1.59E-07	9.20E-08	1.06E-07	9.64E-08	4.40E-08	2.01E-08	0.00E+00	0.00E+00	1.69E-08	3.61E-09	2.29E-08	3.53E-09	1.55E-09	4.85E-08
891	490636.72	3860835.12	1.53E-04	1.76E-04	8.04E-05	5.28E-08	1.59E-07	9.23E-08	1.07E-07	9.67E-08	4.41E-08	2.01E-08	0.00E+00	0.00E+00	1.70E-08	3.62E-09	2.30E-08	3.54E-09	1.56E-09	4.87E-08
892	490686.72	3860835.12	1.53E-04	1.77E-04	8.08E-05	5.31E-08	1.60E-07	9.27E-08	1.07E-07	9.72E-08	4.43E-08	2.02E-08	0.00E+00	0.00E+00	1.71E-08	3.64E-09	2.31E-08	3.56E-09	1.57E-09	4.89E-08
893	490736.72	3860835.12	1.54E-04	1.78E-04	8.12E-05	5.33E-08	1.61E-07	9.32E-08	1.08E-07	9.77E-08	4.46E-08	2.03E-08	0.00E+00	0.00E+00	1.71E-08	3.66E-09	2.32E-08	3.58E-09	1.57E-09	4.92E-08
894	490086.72	3860885.12	1.43E-04	1.66E-04	7.56E-05	4.96E-08	1.50E-07	8.67E-08	1.00E-07	9.09E-08	4.15E-08	1.89E-08	0.00E+00	0.00E+00	1.60E-08	3.40E-09	2.16E-08	3.33E-09	1.47E-09	4.57E-08
895	490136.72	3860885.12	1.43E-04	1.66E-04	7.57E-05	4.97E-08	1.50E-07	8.68E-08	1.00E-07	9.09E-08	4.15E-08	1.89E-08	0.00E+00	0.00E+00	1.60E-08	3.41E-09	2.16E-08	3.33E-09	1.47E-09	4.58E-08
896	490186.72	3860885.12	1.44E-04	1.66E-04	7.58E-05	4.97E-08	1.50E-07	8.69E-08	1.00E-07	9.11E-08	4.16E-08	1.90E-08	0.00E+00	0.00E+00	1.60E-08	3.41E-09	2.16E-08	3.34E-09	1.47E-09	4.58E-08
897	490236.72	3860885.12	1.44E-04	1.66E-04	7.59E-05	4.98E-08	1.50E-07	8.71E-08	1.01E-07	9.12E-08	4.16E-08	1.90E-08	0.00E+00	0.00E+00	1.60E-08	3.42E-09	2.17E-08	3.34E-09	1.47E-09	4.59E-08
898	490286.72	3860885.12	1.44E-04	1.67E-04	7.61E-05	4.99E-08	1.51E-07	8.73E-08	1.01E-07	9.14E-08	4.17E-08	1.90E-08	0.00E+00	0.00E+00	1.61E-08	3.42E-09	2.17E-08	3.35E-09	1.47E-09	4.60E-08
899	490336.72	3860885.12	1.45E-04	1.67E-04	7.62E-05	5.01E-08	1.51E-07	8.75E-08	1.01E-07	9.17E-08	4.18E-08	1.91E-08	0.00E+00	0.00E+00	1.61E-08	3.43E-09	2.18E-08	3.36E-09	1.48E-09	4.61E-08
900	490386.72	3860885.12	1.45E-04	1.68E-04	7.66E-05	5.03E-08	1.52E-07	8.79E-08	1.02E-07	9.21E-08	4.20E-08	1.92E-08	0.00E+00	0.00E+00	1.62E-08	3.45E-09	2.19E-08	3.38E-09	1.48E-09	4.64E-08
901	490436.72	3860885.12	1.46E-04	1.69E-04	7.70E-05	5.06E-08	1.53E-07	8.84E-08	1.02E-07	9.26E-08	4.23E-08	1.93E-08	0.00E+00	0.00E+00	1.63E-08	3.47E-09	2.20E-08	3.39E-09	1.49E-09	4.66E-08
902	490486.72	3860885.12	1.47E-04	1.70E-04	7.74E-05	5.08E-08	1.53E-07	8.88E-08	1.03E-07	9.31E-08	4.25E-08	1.94E-08	0.00E+00	0.00E+00	1.63E-08	3.49E-09	2.21E-08	3.41E-09	1.50E-09	4.69E-08
903	490536.72	3860885.12	1.48E-04	1.71E-04	7.78E-05	5.11E-08	1.54E-07	8.93E-08	1.03E-07	9.35E-08	4.27E-08	1.95E-08	0.00E+00	0.00E+00	1.64E-08	3.50E-09	2.22E-08	3.43E-09	1.51E-09	4.71E-08
904	490586.72	3860885.12	1.48E-04	1.71E-04	7.81E-05	5.13E-08	1.55E-07	8.97E-08	1.04E-07	9.40E-08	4.29E-08	1.95E-08	0.00E+00	0.00E+00	1.65E-08	3.52E-09	2.23E-08	3.44E-09	1.51E-09	4.73E-08
905	490636.72	3860885.12	1.49E-04	1.72E-04	7.84E-05	5.15E-08	1.56E-07	9.00E-08	1.04E-07	9.43E-08	4.31E-08	1.96E-08	0.00E+00	0.00E+00	1.66E-08	3.53E-09	2.24E-08	3.46E-09	1.52E-09	4.75E-08
906	490686.72	3860885.12	1.50E-04	1.73E-04	7.88E-05	5.18E-08	1.56E-07	9.05E-08	1.05E-07	9.48E-08	4.33E-08	1.97E-08	0.00E+00	0.00E+00	1.66E-08	3.55E-09	2.25E-08	3.47E-09	1.53E-09	4.77E-08
907	490736.72	3860885.12	1.50E-04	1.74E-04	7.91E-05	5.20E-08	1.57E-07	9.09E-08	1.05E-07	9.52E-08	4.34E-08	1.98E-08	0.00E+00	0.00E+00	1.67E-08	3.56E-09	2.26E-08	3.49E-09	1.53E-09	4.79E-08
908	490086.72	3860935.12	1.40E-04	1.62E-04	7.39E-05	4.86E-08	1.47E-07	8.49E-08	9.81E-08	8.89E-08	4.06E-08	1.85E-08	0.00E+00	0.00E+00	1.56E-08	3.33E-09	2.11E-08	3.26E-09	1.43E-09	4.48E-08
909	490136.72	3860935.12	1.40E-04	1.62E-04	7.39E-05	4.85E-08	1.47E-07	8.49E-08	9.81E-08	8.89E-08	4.06E-08	1.85E-08	0.00E+00	0.00E+00	1.56E-08	3.33E-09	2.11E-08	3.26E-09	1.43E-09	4.48E-08
910	490186.72	3860935.12	1.40E-04	1.62E-04	7.40E-05	4.86E-08	1.47E-07	8.50E-08	9.82E-08	8.91E-08	4.06E-08	1.85E-08	0.00E+00	0.00E+00	1.56E-08	3.33E-09	2.12E-08	3.26E-09	1.43E-09	4.48E-08
911	490236.72	3860935.12	1.41E-04	1.63E-04	7.42E-05	4.87E-08	1.47E-07	8.51E-08	9.84E-08	8.92E-08	4.07E-08	1.86E-08	0.00E+00	0.00E+00	1.57E-08	3.34E-09	2.12E-08	3.27E-09	1.44E-09	4.49E-08
912	490286.72	3860935.12	1.41E-04	1.63E-04	7.43E-05	4.88E-08	1.47E-07	8.53E-08	9.86E-08	8.94E-08	4.08E-08	1.86E-08	0.00E+00	0.00E+00	1.57E-08	3.35E-09	2.12E-08	3.28E-09	1.44E-09	4.50E-08
913	490336.72	3860935.12	1.41E-04	1.63E-04	7.45E-05	4.89E-08	1.48E-07	8.55E-08	9.88E-08	8.96E-08	4.09E-08	1.86E-08	0.00E+00	0.00E+00	1.57E-08	3.36E-09	2.13E-08	3.28E-09	1.44E-09	4.51E-08
914	490386.72	3860935.12	1.42E-04	1.64E-04	7.48E-05	4.91E-08	1.48E-07	8.59E-08	9.93E-08	9.00E-08	4.11E-08	1.87E-08	0.00E+00	0.00E+00	1.58E-08	3.37E-09	2.14E-08	3.30E-09	1.45E-09	4.53E-08
915	490436.72	3860935.12	1.43E-04	1.65E-04	7.51E-05	4.94E-08	1.49E-07	8.63E-08	9.97E-08	9.04E-08	4.12E-08	1.88E-08	0.00E+00	0.00E+00	1.59E-08	3.38E-09	2.15E-08	3.31E-09	1.46E-09	4.55E-08
916	490486.72	3860935.12	1.43E-04	1.66E-04	7.54E-05	4.96E-08	1.50E-07	8.66E-08	1.00E-07	9.08E-08	4.14E-08	1.89E-08	0.00E+00	0.00E+00	1.59E-08	3.40E-09	2.16E-08	3.33E-09	1.46E-09	4.57E-08
917	490536.72	3860935.12	1.44E-04	1.66E-04	7.58E-05	4.98E-08	1.50E-07	8.71E-08	1.01E-07	9.12E-08	4.16E-08	1.90E-08	0.00E+00	0.00E+00	1.60E-08	3.42E-09	2.17E-08	3.34E-09	1.47E-09	4.59E-08
918	490586.72	3860935.12	1.45E-04	1.67E-04	7.61E-05	5.00E-08	1.51E-07	8.75E-08	1.01E-07	9.17E-08	4.18E-08	1.91E-08	0.00E+00	0.00E+00	1.61E-08	3.43E-09	2.18E-08	3.36E-09	1.48E-09	4.61E-08
919	490636.72	3860935.12	1.45E-04	1.68E-04	7.65E-05	5.03E-08	1.52E-07	8.78E-08	1.02E-07	9.21E-08	4.20E-08	1.91E-08	0.00E+00	0.00E+00	1.62E-08	3.45E-09	2.19E-08	3.37E-09	1.48E-09	4.63E-08
920	490686.72	3860935.12	1.46E-04	1.69E-04	7.68E-05	5.05E-08	1.52E-07	8.83E-08	1.02E-07	9.25E-08	4.22E-08	1.92E-08	0.00E+00	0.00E+00	1.62E-08	3.46E-09	2.20E-08	3.39E-09	1.49E-09	4.66E-08
921	490736.72	3860935.12	1.47E-04	1.69E-04	7.72E-05	5.07E-08	1.53E-07	8.87E-08	1.02E-07	9.29E-08	4.24E-08	1.93E-08	0.00E+00	0.00E+00	1.63E-08	3.48E-09	2.21E-08	3.40E-09	1.50E-09	4.68E-08
922	490786.72	3860935.12	1.47E-04	1.70E-04	7.75E-05	5.09E-08	1.54E-07	8.91E-08	1.03E-07	9.33E-08	4.26E-08	1.94E-08	0.00E+00	0.00E+00	1.64E-08	3.49E-09	2.22E-08	3.42E-09	1.50E-09	4.70E-08
923	490836.72	3860935.12	1.48E-04	1.71E-04	7.79E-05	5.12E-08	1.55E-07	8.95E-08	1.03E-07	9.38E-08	4.28E-08	1.95E-08	0.00E+00	0.00E+00	1.65E-08	3.51E-09	2.23E-08	3.44E-09	1.51E-09	4.72E-08
924	490086.72	3860985.12	1.38E-04	1.59E-04	7.25E-05	4.76E-08	1.44E-07	8.32E-08	9.62E-08	8.72E-08	3.98E-08	1.81E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.07E-08	3.20E-09	1.40E-09	4.39E-08
925	490136.72	3860985.12	1.38E-04	1.59E-04	7.25E-05	4.76E-08	1.44E-07	8.33E-08	9.62E-08	8.72E-08	3.98E-08	1.81E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.07E-08	3.20E-09	1.40E-09	4.39E-08
926	490186.72	3860985.12	1.38E-04	1.59E-04	7.26E-05	4.77E-08	1.44E-07	8.34E-08	9.64E-08	8.74E-08	3.99E-08	1.82E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.08E-08	3.20E-09	1.41E-09	4.40E-08
927	490236.72	3860985.12	1.38E-04	1.59E-04	7.26E-05	4.77E-08	1.44E-07	8.34E-08	9.64E-08	8.74E-08	3.99E-08	1.82E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.08E-08	3.20E-09	1.41E-09	4.40E-08
928	490286.72	3860985.12	1.38E-04	1.59E-04	7.27E-05	4.77E-08	1.44E-07	8.35E-08	9.65E-08	8.74E-08	3.99E-08	1.82E-08	0.00E+00	0.00E+00	1.54E-08	3.27E-09	2.08E-08	3.20E-09	1.41E-09	4.40E-08
929	490336.72	3860985.12	1.38E-04	1.60E-04	7.28E-05	4.78E-08	1.44E-07	8.36E-08	9.67E-08	8.76E-08	4.00E-08	1.82E-08	0.00E+00	0.00E+00	1.54E-08	3.28E-09	2.08E-08	3.21E-09	1.41E-09	4.41E-08
930	490386.72	3860985.12	1.39E-04	1.60E-04	7.30E-05	4.80E-08	1.45E-07	8.39E-08	9.70E-08	8.79E-08	4.01E-08	1.83E-08	0.00E+00	0.00E+00	1.54E-08	3.29E-09	2.09E-08	3.22E-09	1.42E-09	4.42E-08
931	490436.72	3860985.12	1.39E-04	1.61E-04	7.34E-05	4.82E-08	1.46E-07	8.43E-08	9.74E-08	8.83E-08	4.03E-08	1.84E-08	0.00E+00	0.00E+00	1.55E-08	3.31E-09	2.10E-08	3.24E-09	1.42E-09	4.45E-08
932	490486.72	3860985.12	1.40E-04	1.62E-04	7.36E-05	4.84E-08	1.46E-07	8.46E-08	9.78E-08	8.87E-08	4.05E-08	1.84E-08	0.00E+00	0.00E+00	1.56E-08	3.32E-09	2.11E-08	3.25E-09	1.43E-09	4.46E-08
933	490536.72	3860985.12	1.40E-04	1.62E-04	7.39E-05	4.86E-08	1.47E-07	8.49E-08	9.82E-08	8.90E-08	4.06E-08	1.85E-08	0.00E+00	0.00E+00	1.56E-08	3.33E-09	2.11E-08	3.26E-09	1.43E-09	4.48E-08
934	490586.72	3860985.12	1.41E-04	1.63E-04	7.42E-05	4.88E-08	1.47E-07	8.53E-08	9.86E-08	8.94E-08	4.08E-08	1.86E-08	0.00E+00	0.00E+00	1.57E-08	3.35E-09	2.12E-08	3.28E-09	1.44E-09	4.50E-08
935	490636.72	3860985.12	1.42E-04	1.64E-04	7.46E-05	4.91E-08	1.48E-07	8.57E-08	9.91E-08	8.99E-08	4.10E-08	1.87E-08	0.00E+00	0.00E+00	1.58E-08	3.36E-09	2.13E-08	3.29E-09	1.45E-09	4.52E-08
936	490686.72	3860985.12	1.42E-04	1.65E-04	7.49E-05	4.93E-08	1.49E-07	8.61E-08	9.96E-08	9.03E-08	4.12E-08	1.88E-08	0.00E+00	0.00E+00	1.58E-08	3.38E-09	2.14E-08	3.31E-09	1.45E-09	4.54E-08
937	490736.72	3860985.12	1.43E-04	1.65E-04	7.53E-05	4.95E-08	1.49E-07	8.65E-08	1.00E-07	9.07E-08	4.14E-08	1.88E-08	0.00E+00	0.00E+00	1.59E-08	3.39E-09	2.15E-08	3.32E-09	1.46E-09	4.56E-08
938	490786.72	3860985.12	1.44E-04	1.66E-04	7.56E-05	4.97E-08	1.50E-07	8.70E-08	1.01E-07	9.11E-08	4.16E-08	1.89E-08	0.00E+00	0.00E+00	1.60E-08	3.41E-09	2.17E-08	3.34E-09	1.47E-09	4.59E-08

939	490836.72	3860985.12	1.44E-04	1.67E-04	7.60E-05	5.00E-08	1.51E-07	8.74E-08	1.01E-07	9.16E-08	4.18E-08	1.90E-08	0.00E+00	0.00E+00	1.61E-08	3.43E-09	2.18E-08	3.36E-09	1.47E-09	4.61E-08
940	490086.72	3861035.12	1.35E-04	1.56E-04	7.10E-05	4.67E-08	1.41E-07	8.16E-08	9.43E-08	8.55E-08	3.90E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.20E-09	2.03E-08	3.13E-09	1.38E-09	4.30E-08
941	490136.72	3861035.12	1.35E-04	1.56E-04	7.11E-05	4.67E-08	1.41E-07	8.16E-08	9.44E-08	8.56E-08	3.90E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.20E-09	2.03E-08	3.13E-09	1.38E-09	4.31E-08
942	490186.72	3861035.12	1.35E-04	1.56E-04	7.11E-05	4.67E-08	1.41E-07	8.17E-08	9.44E-08	8.56E-08	3.91E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.20E-09	2.03E-08	3.14E-09	1.38E-09	4.31E-08
943	490236.72	3861035.12	1.35E-04	1.56E-04	7.12E-05	4.68E-08	1.41E-07	8.17E-08	9.45E-08	8.57E-08	3.91E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.21E-09	2.04E-08	3.14E-09	1.38E-09	4.31E-08
944	490286.72	3861035.12	1.35E-04	1.56E-04	7.12E-05	4.68E-08	1.41E-07	8.17E-08	9.45E-08	8.57E-08	3.91E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.21E-09	2.04E-08	3.14E-09	1.38E-09	4.31E-08
945	490336.72	3861035.12	1.35E-04	1.56E-04	7.12E-05	4.68E-08	1.41E-07	8.18E-08	9.46E-08	8.58E-08	3.91E-08	1.78E-08	0.00E+00	0.00E+00	1.51E-08	3.21E-09	2.04E-08	3.14E-09	1.38E-09	4.32E-08
946	490386.72	3861035.12	1.36E-04	1.57E-04	7.15E-05	4.70E-08	1.42E-07	8.21E-08	9.49E-08	8.60E-08	3.93E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.22E-09	2.04E-08	3.15E-09	1.38E-09	4.33E-08
947	490436.72	3861035.12	1.36E-04	1.57E-04	7.17E-05	4.72E-08	1.42E-07	8.24E-08	9.53E-08	8.64E-08	3.94E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.23E-09	2.05E-08	3.17E-09	1.39E-09	4.35E-08
948	490486.72	3861035.12	1.37E-04	1.58E-04	7.20E-05	4.73E-08	1.43E-07	8.27E-08	9.56E-08	8.67E-08	3.96E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.25E-09	2.06E-08	3.18E-09	1.40E-09	4.36E-08
949	490536.72	3861035.12	1.37E-04	1.59E-04	7.22E-05	4.75E-08	1.43E-07	8.30E-08	9.59E-08	8.70E-08	3.97E-08	1.81E-08	0.00E+00	0.00E+00	1.53E-08	3.26E-09	2.07E-08	3.19E-09	1.40E-09	4.38E-08
950	490586.72	3861035.12	1.38E-04	1.59E-04	7.25E-05	4.77E-08	1.44E-07	8.33E-08	9.63E-08	8.73E-08	3.98E-08	1.81E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.07E-08	3.20E-09	1.40E-09	4.39E-08
951	490636.72	3861035.12	1.38E-04	1.60E-04	7.28E-05	4.79E-08	1.45E-07	8.37E-08	9.67E-08	8.77E-08	4.00E-08	1.82E-08	0.00E+00	0.00E+00	1.54E-08	3.28E-09	2.08E-08	3.21E-09	1.41E-09	4.41E-08
952	490686.72	3861035.12	1.39E-04	1.61E-04	7.31E-05	4.81E-08	1.45E-07	8.40E-08	9.72E-08	8.81E-08	4.02E-08	1.83E-08	0.00E+00	0.00E+00	1.55E-08	3.30E-09	2.09E-08	3.23E-09	1.42E-09	4.43E-08
953	490736.72	3861035.12	1.40E-04	1.61E-04	7.34E-05	4.83E-08	1.46E-07	8.44E-08	9.76E-08	8.85E-08	4.04E-08	1.84E-08	0.00E+00	0.00E+00	1.55E-08	3.31E-09	2.10E-08	3.24E-09	1.42E-09	4.45E-08
954	490786.72	3861035.12	1.40E-04	1.62E-04	7.38E-05	4.86E-08	1.47E-07	8.49E-08	9.81E-08	8.90E-08	4.06E-08	1.85E-08	0.00E+00	0.00E+00	1.56E-08	3.33E-09	2.11E-08	3.26E-09	1.43E-09	4.48E-08
955	490836.72	3861035.12	1.41E-04	1.63E-04	7.42E-05	4.88E-08	1.47E-07	8.53E-08	9.87E-08	8.94E-08	4.08E-08	1.86E-08	0.00E+00	0.00E+00	1.57E-08	3.35E-09	2.13E-08	3.28E-09	1.44E-09	4.50E-08
956	490086.72	3861085.12	1.32E-04	1.53E-04	6.96E-05	4.58E-08	1.38E-07	8.01E-08	9.26E-08	8.39E-08	3.83E-08	1.74E-08	0.00E+00	0.00E+00	1.47E-08	3.14E-09	1.99E-08	3.07E-09	1.35E-09	4.22E-08
957	490136.72	3861085.12	1.33E-04	1.53E-04	6.98E-05	4.59E-08	1.39E-07	8.02E-08	9.27E-08	8.40E-08	3.83E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
958	490186.72	3861085.12	1.33E-04	1.53E-04	6.99E-05	4.60E-08	1.39E-07	8.03E-08	9.29E-08	8.42E-08	3.84E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.24E-08
959	490236.72	3861085.12	1.33E-04	1.53E-04	6.98E-05	4.59E-08	1.39E-07	8.03E-08	9.28E-08	8.41E-08	3.84E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
960	490286.72	3861085.12	1.33E-04	1.53E-04	6.98E-05	4.59E-08	1.39E-07	8.02E-08	9.28E-08	8.41E-08	3.84E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
961	490336.72	3861085.12	1.33E-04	1.53E-04	6.98E-05	4.59E-08	1.39E-07	8.02E-08	9.28E-08	8.41E-08	3.84E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
962	490386.72	3861085.12	1.33E-04	1.54E-04	7.00E-05	4.60E-08	1.39E-07	8.04E-08	9.30E-08	8.43E-08	3.85E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.00E-08	3.09E-09	1.36E-09	4.24E-08
963	490436.72	3861085.12	1.33E-04	1.54E-04	7.01E-05	4.61E-08	1.39E-07	8.06E-08	9.32E-08	8.45E-08	3.86E-08	1.76E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.01E-08	3.10E-09	1.36E-09	4.25E-08
964	490486.72	3861085.12	1.34E-04	1.54E-04	7.03E-05	4.63E-08	1.40E-07	8.08E-08	9.35E-08	8.47E-08	3.87E-08	1.76E-08	0.00E+00	0.00E+00	1.49E-08	3.17E-09	2.01E-08	3.10E-09	1.36E-09	4.26E-08
965	490536.72	3861085.12	1.34E-04	1.55E-04	7.06E-05	4.64E-08	1.40E-07	8.12E-08	9.38E-08	8.51E-08	3.88E-08	1.77E-08	0.00E+00	0.00E+00	1.49E-08	3.19E-09	2.02E-08	3.12E-09	1.37E-09	4.28E-08
966	490586.72	3861085.12	1.35E-04	1.56E-04	7.08E-05	4.66E-08	1.41E-07	8.14E-08	9.41E-08	8.53E-08	3.89E-08	1.77E-08	0.00E+00	0.00E+00	1.50E-08	3.20E-09	2.03E-08	3.13E-09	1.37E-09	4.29E-08
967	490636.72	3861085.12	1.35E-04	1.56E-04	7.10E-05	4.67E-08	1.41E-07	8.17E-08	9.44E-08	8.56E-08	3.90E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.20E-09	2.03E-08	3.14E-09	1.38E-09	4.31E-08
968	490686.72	3861085.12	1.36E-04	1.57E-04	7.13E-05	4.69E-08	1.42E-07	8.20E-08	9.48E-08	8.60E-08	3.92E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.22E-09	2.04E-08	3.15E-09	1.38E-09	4.33E-08
969	490736.72	3861085.12	1.36E-04	1.58E-04	7.17E-05	4.72E-08	1.42E-07	8.24E-08	9.53E-08	8.64E-08	3.94E-08	1.79E-08	0.00E+00	0.00E+00	1.52E-08	3.23E-09	2.05E-08	3.17E-09	1.39E-09	4.35E-08
970	490786.72	3861085.12	1.37E-04	1.58E-04	7.20E-05	4.74E-08	1.43E-07	8.29E-08	9.58E-08	8.68E-08	3.96E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.25E-09	2.06E-08	3.18E-09	1.40E-09	4.37E-08
971	490836.72	3861085.12	1.38E-04	1.59E-04	7.24E-05	4.77E-08	1.44E-07	8.33E-08	9.63E-08	8.73E-08	3.98E-08	1.81E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.07E-08	3.20E-09	1.40E-09	4.39E-08
972	490086.72	3861135.12	1.30E-04	1.50E-04	6.83E-05	4.49E-08	1.36E-07	7.86E-08	9.08E-08	8.23E-08	3.76E-08	1.71E-08	0.00E+00	0.00E+00	1.45E-08	3.08E-09	1.96E-08	3.02E-09	1.32E-09	4.14E-08
973	490136.72	3861135.12	1.30E-04	1.50E-04	6.84E-05	4.50E-08	1.36E-07	7.87E-08	9.09E-08	8.24E-08	3.76E-08	1.71E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.02E-09	1.33E-09	4.15E-08
974	490186.72	3861135.12	1.30E-04	1.50E-04	6.85E-05	4.51E-08	1.36E-07	7.88E-08	9.11E-08	8.25E-08	3.77E-08	1.71E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.02E-09	1.33E-09	4.15E-08
975	490236.72	3861135.12	1.30E-04	1.51E-04	6.85E-05	4.51E-08	1.36E-07	7.88E-08	9.11E-08	8.26E-08	3.77E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.03E-09	1.33E-09	4.16E-08
976	490286.72	3861135.12	1.30E-04	1.51E-04	6.86E-05	4.51E-08	1.36E-07	7.88E-08	9.11E-08	8.26E-08	3.77E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.03E-09	1.33E-09	4.16E-08
977	490336.72	3861135.12	1.30E-04	1.51E-04	6.85E-05	4.51E-08	1.36E-07	7.88E-08	9.11E-08	8.26E-08	3.77E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.03E-09	1.33E-09	4.16E-08
978	490386.72	3861135.12	1.30E-04	1.51E-04	6.86E-05	4.51E-08	1.36E-07	7.89E-08	9.12E-08	8.27E-08	3.77E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.10E-09	1.96E-08	3.03E-09	1.33E-09	4.16E-08
979	490436.72	3861135.12	1.31E-04	1.51E-04	6.87E-05	4.52E-08	1.36E-07	7.90E-08	9.13E-08	8.28E-08	3.78E-08	1.72E-08	0.00E+00	0.00E+00	1.45E-08	3.10E-09	1.97E-08	3.03E-09	1.33E-09	4.17E-08
980	490486.72	3861135.12	1.31E-04	1.51E-04	6.88E-05	4.53E-08	1.37E-07	7.92E-08	9.15E-08	8.30E-08	3.79E-08	1.72E-08	0.00E+00	0.00E+00	1.46E-08	3.11E-09	1.97E-08	3.04E-09	1.33E-09	4.18E-08
981	490536.72	3861135.12	1.31E-04	1.52E-04	6.90E-05	4.54E-08	1.37E-07	7.94E-08	9.18E-08	8.32E-08	3.80E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.11E-09	1.98E-08	3.05E-09	1.34E-09	4.19E-08
982	490586.72	3861135.12	1.32E-04	1.52E-04	6.92E-05	4.55E-08	1.37E-07	7.96E-08	9.20E-08	8.34E-08	3.81E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.12E-09	1.98E-08	3.06E-09	1.34E-09	4.20E-08
983	490636.72	3861135.12	1.32E-04	1.53E-04	6.94E-05	4.57E-08	1.38E-07	7.98E-08	9.23E-08	8.36E-08	3.82E-08	1.74E-08	0.00E+00	0.00E+00	1.47E-08	3.13E-09	1.99E-08	3.06E-09	1.35E-09	4.21E-08
984	490686.72	3861135.12	1.32E-04	1.53E-04	6.97E-05	4.59E-08	1.38E-07	8.01E-08	9.27E-08	8.40E-08	3.83E-08	1.74E-08	0.00E+00	0.00E+00	1.47E-08	3.15E-09	2.00E-08	3.08E-09	1.35E-09	4.23E-08
985	490736.72	3861135.12	1.33E-04	1.54E-04	7.00E-05	4.61E-08	1.39E-07	8.05E-08	9.31E-08	8.44E-08	3.85E-08	1.75E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.01E-08	3.09E-09	1.36E-09	4.25E-08
986	490786.72	3861135.12	1.34E-04	1.55E-04	7.04E-05	4.63E-08	1.40E-07	8.09E-08	9.36E-08	8.48E-08	3.87E-08	1.76E-08	0.00E+00	0.00E+00	1.49E-08	3.18E-09	2.02E-08	3.11E-09	1.36E-09	4.27E-08
987	490836.72	3861135.12	1.34E-04	1.55E-04	7.07E-05	4.65E-08	1.41E-07	8.14E-08	9.41E-08	8.53E-08	3.89E-08	1.77E-08	0.00E+00	0.00E+00	1.50E-08	3.19E-09	2.03E-08	3.12E-09	1.37E-09	4.29E-08
988	490086.72	3861185.12	1.27E-04	1.47E-04	6.70E-05	4.41E-08	1.33E-07	7.71E-08	8.91E-08	8.08E-08	3.69E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.03E-09	1.92E-08	2.96E-09	1.30E-09	4.07E-08
989	490136.72	3861185.12	1.27E-04	1.47E-04	6.70E-05	4.41E-08	1.33E-07	7.71E-08	8.91E-08	8.08E-08	3.69E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.03E-09	1.92E-08	2.96E-09	1.30E-09	4.07E-08
990	490186.72	3861185.12	1.28E-04	1.47E-04	6.71E-05	4.41E-08	1.33E-07	7.71E-08	8.92E-08	8.09E-08	3.69E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.03E-09	1.92E-08	2.96E-09	1.30E-09	4.07E-08
991	490236.72	3861185.12	1.28E-04	1.48E-04	6.71E-05	4.42E-08	1.33E-07	7.72E-08	8.93E-08	8.09E-08	3.69E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.03E-09	1.92E-08	2.97E-09	1.30E-09	4.07E-08
992	490286.72	3861185.12	1.28E-04	1.48E-04	6.72E-05	4.42E-08	1.34E-07	7.73E-08	8.94E-08	8.11E-08	3.70E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.04E-09	1.93E-08	2.97E-09	1.30E-09	4.08E-08
993	490336.72	3861185.12	1.28E-04	1.48E-04	6.71E-05	4.42E-08	1.33E-07	7.72E-08	8.93E-08	8.09E-08	3.69E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.03E-09	1.92E-08	2.96E-09	1.30E-09	4.07E-08
994	490386.72	3861185.12	1.28E-04	1.48E-04	6.72E-05	4.42E-08	1.33E-07	7.73E-08	8.93E-08	8.10E-08	3.70E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.03E-09	1.92E-08	2.97E-09	1.30E-09	4.08E-08
995	490436.72	3861185.12	1.28E-04	1.48E-04	6.73E-05	4.43E-08	1.34E-07	7.74E-08	8.95E-08	8.12E-08	3.70E-08	1.69E-08	0.00E+00	0.00E+00	1.42E-08	3.04E-09	1.93E-08	2.97E-09	1.31E-09	4.08E-08
996	490486.72	3861185.12	1.28E-04	1.48E-04	6.74E-05	4.44E-08	1.34E-07	7.75E-08	8.96E-08	8.13E-08	3.71E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.04E-09	1.93E-08	2.98E-09	1.31E-09	4.09E-08
997	490536.72	3861185.12	1.29E-04	1.49E-04	6.77E-05	4.45E-08	1.34E-07	7.78E-08	9.00E-08	8.16E-08	3.72E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.05E-09	1.94E-08	2.99E-09	1.31E-09	4.11E-08
998	490586.72	3861185.12	1.29E-04	1.49E-04	6.78E-05	4.46E-08	1.35E-07	7.80E-08	9.01E-08	8.17E-08	3.73E-08	1.70E-08	0.00E+00	0.00E+00	1.43E-08	3.06E-09	1.94E-08	2.99E-09	1.31E-09	4.11E-08
999	490636.72	3861185.12	1.29E-04	1.49E-04	6.79E-05	4.46E-08	1.35E-07	7.80E-08	9.02E-08	8.18E-08	3.73E-08	1.70E-08	0.00E+00	0.00E+00	1.44E-08	3.06E-09	1.94E-08	3.00E-09	1.31E-09	4.12E-08
1000	490686.72	3861185.12	1.29E-04	1.50E-04	6.81E-05	4.48E-08	1.35E-07	7.83E-08	9.06E-08	8.21E-08	3.75E-08	1.70E-08	0.00E+00	0.00E+00	1.44E-08	3.07E-09	1.95E-08	3.01E-09	1.32E-09	4.13E-08
1001	490736.72	3861185.12	1.30E-04	1.50E-04	6.84E-05	4.50E-08	1.36E-07	7.87E-08	9.10E-08	8.25E-08	3.76E-08	1.71E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.02E-09	1.33E-09	4.15E-08
1002	490786.72	3861185.12	1.31E-04	1.51E-04	6.88E-05	4.53E-08	1.37E-07	7.91E-08	9.15E-08	8.29E-08	3.78E-08	1.72E-08	0.00E+00	0.00E+00	1.46E-08	3.11E-09	1.97E-08	3.04E-09	1.33E-09	4.17E-08
1003	490836.72	3861185.12	1.31E-04	1.52E-04	6.91E-05	4.55E-08	1.37E-07	7.95E-08	9.19E-08	8.33E-08	3.80E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.12E-09	1.98E-08	3.05E-09	1.34E-09	4.19E-08
1004	490086.72	3861235.12	1.25E-04	1.45E-04	6.57E-05	4.33E-08	1.31E-07	7.56E-08	8.75E-08	7.93E-08	3.62E-08	1.64E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.88E-08	2.90E-09	1.27E-09	3.99E-08
1005	490136.72	3861235.12	1.25E-04	1.45E-04	6.58E-05	4.33E-08	1.31E-07	7.57E-08	8.75E-08	7.93E-08	3.62E-08	1.65E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.88E-08	2.91E-09	1.27E-09	3.99E-08
1006	490186.72	3861235.12	1.25E-04	1.45E-04	6.59E-05	4.33E-08	1.31E-07	7.58E-08	8.76E-08	7.94E-08	3.62E-08	1.65E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.89E-08	2.91E-09	1.28E-09	4.00E-08
1007	490236.72	3861235.12	1.25E-04	1.45E-04	6.58E-05	4.33E-08	1.31E-07	7.57E-08	8.76E-08	7.94E-08	3.62E-08	1.65E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.89E-08	2.91E-09	1.28E-09	3.99E-08
1008	490386.72	3861235.12	1.25E-04	1.45E-04	6.59E-05	4.33E-08	1.31E-07	7.58E-08	8.76E-08	7.94E-08	3.62E-08	1.65E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.89E-08	2.91E-09	1.28E-09	4.00E-08
1009	490436.72	3861235.12	1.25E-04	1.45E-04	6.59E-05	4.34E-08	1.31E-07	7.58E-08	8.76E-08	7.94E-08	3.62E-08	1.65E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.89E-08	2.91E-09	1.28E-09	4.00E-08
1010	490486.72	3861235.12	1.25E-04	1.45E-04	6.60E-05	4.34E-08	1.31E-07	7.59E-08	8.77E-08	7.95E-08	3.63E-08	1.65E-08	0.00E+00	0.00E+00	1.40E-08	2.98E-09	1.89E-08	2.91E-09	1.28E-09	4.00E-08
1011	490536.72	3861235.12	1.26E-04	1.46E-04	6.62E-05	4.36E-08	1.32E-07	7.62E-08	8.81E-08	7.99E-08	3.64E-08	1.66E-08	0.00E+00	0.00E+00	1.40E-08	2.99E-09	1.90E-08	2.93E-09	1.28E-09	4.02E-08
1012	490586.72	3861235.12	1.26E-04	1.46E-04	6.65E-05	4.37E-08	1.32E-07	7.65E-08	8.84E-08	8.01E-08	3.66E-08	1.66E-08	0.00E+00	0.00E+00	1.41E-08	3.00E-09	1.90E-08	2.94E-09	1.29E-09	4.03E-08
1013	490636.72	3861235.12	1.26E-04	1.46E-04	6.64E-05	4.37E-08	1.32E-07	7.64E-08	8.83E-08	8.01E-08	3.65E-08	1.66E-08	0.00E+00	0.00E+00	1.41E-08	3.00E-09	1.90E-08	2.93E-09	1.29E-09	4.03E-08
1014	490686.72	3861235.12	1.27E-04	1.46E-04	6.66E-05	4.38E-08	1.32E-07	7.66E-08	8.86E-08	8.03E-08	3.66E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
1015	490736.72	3861235.12	1.27E-04	1.47E-04	6.69E-05	4.40E-08	1.33E-07	7.70E-08	8.90E-08	8.07E-08	3.68E-08	1.67E-08	0.00E+00	0.00E+00	1.42E-08	3.02E-09	1.92E-08	2.96E-09	1.30E-09	4.06E-08
1016	490786.72	3861235.12	1.28E-04	1.48E-04	6.73E-05	4.43E-08	1.34E-07	7.74E-08	8.95E-08	8.11E-08	3.70E-08	1.68E-08	0.00E+00	0.00E+00	1.42E-08	3.04E-09	1.93E-08	2.97E-09	1.30E-09	4.08E-08
1017	490836.72	3861235.12	1.29E-04	1.49E-04	6.76E-05	4.45E-08	1.34E-07	7.78E-08	8.99E-08	8.15E-08	3.72E-08	1.69E-08	0.00E+00	0.00E+00	1.43E-08	3.05E-09	1.94E-08	2.99E-09	1.31E-09	4.10E-08
1018	490086.72	3861285.12	1.23E-04	1.42E-04	6.46E-05	4.25E-08	1.28E-07	7.43E-08	8.60E-08	7.79E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.85E-09	1.25E-09	3.92E-08
1019	490136.72	3861285.12	1.23E-04	1.42E-04	6.47E-05	4.26E-08	1.29E-07	7.45E-08	8.62E-08	7.81E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.86E-08	2.86E-09	1.25E-09	3.93E-08
1020	490186.72	3861285.12	1.23E-04	1.42E-04	6.47E-05	4.26E-08	1.29E-07	7.44E-08	8.61E-08	7.80E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.25E-09	3.93E-08
1021	490236.72	3861285.12	1.23E-04	1.42E-04	6.47E-05	4.26E-08	1.29E-07	7.44E-08	8.61E-08	7.80E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.25E-09	3.93E-08
1022	490386.72	3861285.12	1.23E-04	1.42E-04	6.47E-05	4.26E-08	1.29E-07	7.44E-08	8.60E-08	7.80E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.25E-09	3.93E-08
1023	490436.72	3861285.12	1.23E-04	1.42E-04	6.47E-05	4.26E-08	1.29E-07	7.45E-08	8.61E-08	7.81E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.25E-09	3.93E-08
1024	490486.72	3861285.12	1.23E-04	1.42E-04	6.47E-05	4.26E-08	1.29E-07	7.45E-08	8.61E-08	7.81E-08	3.56E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.25E-09	3.93E-08
1025	490536.72	3861285.12	1.23E-04	1.42E-04	6.48E-05	4.27E-08	1.29E-07	7.46E-08	8.62E-08	7.81E-08	3.57E-08	1.62E-08	0.00E+00	0.00E+00	1.37E-08	2.93E-09	1.86E-08	2.86E-09	1.26E-09	3.93E-08
1026	490586.72	3861285.12	1.24E-04	1.43E-04	6.50E-05	4.28E-08	1.29E-07	7.47E-08	8.64E-08	7.83E-08	3.57E-08	1.63E-08	0.00E+00	0.00E+00	1.38E-08	2.93E-09	1.86E-08	2.87E-09	1.26E-09	3.94E-08
1027	490636.72	3861285.12	1.24E-04	1.43E-04	6.50E-05	4.28E-08	1.29E-07	7.48E-08	8.64E-08	7.84E-08	3.58E-08	1.63E-08	0.00E+00	0.00E+00	1.38E-08	2.93E-09	1.86E-08	2.87E-09	1.26E-09	3.94E-08
1028	490686.72	3861285.12	1.24E-04	1.43E-04	6.52E-05	4.29E-08	1.29E-07	7.50E-08	8.67E-08	7.86E-08	3.59E-08	1.63E-08	0.00E+00	0.00E+00	1.38E-08	2.94E-09	1.87E-08	2.88E-09	1.26E-09	3.95E-08
1029	490736.72	3861285.12	1.25E-04	1.44E-04	6.55E-05	4.31E-08	1.30E-07	7.54E-08	8.72E-08	7.90E-08	3.61E-08	1.64E-08	0.00E+00	0.00E+00	1.39E-08	2.96E-09	1.88E-08	2.90E-09	1.27E-09	3.98E-08
1030	490786.72	3861285.12	1.25E-04	1.45E-04	6.58E-05	4.33E-08	1.31E-07	7.57E-08	8.75E-08	7.93E-08	3.62E-08	1.65E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.88E-08	2.91E-09	1.27E-09	3.99E-08
1031	490836.72	3861285.12	1.26E-04	1.45E-04	6.60E-05	4.34E-08	1.31E-07	7.59E-08	8.78E-08	7.96E-08	3.63E-08	1.65E-08	0.00E+00	0.00E+00	1.40E-08	2.98E-09	1.89E-08	2.92E-09	1.28E-09	4.01E-08
1032	490061.24	3859716.13	2.49E-04	2.87E-04	1.33E-04	8.61E-08	2.60E-07	1.50E-07	1.73E-07	1.57E-07	7.18E-08	3.34E-08	0.00E+00	0.00E+00	2.77E-08	5.89E-09	3.74E-08	5.76E-09	2.58E-09	7.93E-08
1033	490111.24	3859716.13	2.47E-04	2.84E-04	1.32E-04	8.53E-08	2.58E-07	1.49E-07	1.72E-07	1.56E-07	7.11E-08	3.31E-08	0.00E+00	0.00E+00	2.74E-08	5.84E-09	3.70E-08	5.71E-09	2.56E-09	7.86E-08
1034	490161.24	3859716.13	2.44E-04	2.82E-04	1.31E-04	8.45E-08	2.55E-07	1.48E-07	1.70E-07	1.54E-07	7.05E-08	3.27E-08	0.00E+00	0.00E+00	2.72E-08	5.78E-09	3.67E-08	5.66E-09	2.54E-09	7.79E-08
1035	490211.24	3859716.13	2.42E-04	2.79E-04	1.30E-04	8.37E-08	2.53E-07	1.46E-07	1.69E-07	1.53E-07	6.98E-08	3.24E-08	0.00E+00	0.00E+00	2.69E-08	5.73E-09	3.64E-08	5.61E-09	2.51E-09	7.71E-08
1036	490061.24	3859766.13	2.45E-04	2.82E-04	1.31E-04	8.48E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.06E-08	3.28E-08	0.00E+00	0.00E+00	2.73E-08	5.80E-09	3.68E-08	5.67E-09	2.54E-09	7.81E-08
1037	490111.24	3859766.13	2.43E-04	2.80E-04	1.30E-04	8.40E-08	2.54E-07	1.47E-07	1.69E-07	1.53E-07	7.00E-08	3.25E-08	0.00E+00	0.00E+00	2.70E-08	5.75E-09	3.65E-08	5.62E-09	2.52E-09	7.74E-08
1038	490161.24	3859766.13	2.40E-04	2.77E-04	1.29E-04	8.32E-08	2.51E-07	1.45E-07	1.68E-07	1.52E-07	6.94E-08	3.22E-08	0.00E+00	0.00E+00	2.68E-08	5.69E-09	3.61E-08	5.57E-09	2.49E-09	7.66E-08
1039	490211.24	3859766.13	2.38E-04	2.75E-04	1.27E-04	8.25E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.87E-08	3.19E-08	0.00E+00	0.00E+00	2.65E-08	5.64E-09	3.58E-08	5.52E-09	2.47E-09	7.59E-08
1040	490061.24	3859816.13	2.41E-04	2.78E-04	1.29E-04	8.33E-08	2.52E-07	1.46E-07	1.68E-07	1.52E-07	6.95E-08	3.23E-08	0.00E+00	0.00E+00	2.68E-08	5.70E-09	3.62E-08	5.58E-09	2.50E-09	7.68E-08
1041	490111.24	3859816.13	2.39E-04	2.75E-04	1.28E-04	8.26E-08	2.50E-07	1.44E-07	1.67E-07	1.51E-07	6.89E-08	3.20E-08	0.00E+00	0.00E+00	2.66E-08	5.65E-09	3.59E-08	5.53E-09	2.48E-09	7.61E-08
1042	490161.24	3859816.13	2.37E-04	2.73E-04	1.27E-04	8.19E-08	2.47E-07	1.43E-07	1.65E-07	1.50E-07	6.83E-08	3.17E-08	0.00E+00	0.00E+00	2.63E-08	5.60E-09	3.56E-08	5.48E-09	2.45E-09	7.54E-08
1043	490211.24	3859816.13	2.34E-04	2.70E-04	1.25E-04	8.12E-08	2.45E-07	1.42E-07	1.64E-07	1.48E-07	6.77E-08	3.14E-08	0.00E+00	0.00E+00	2.61E-08	5.55E-09	3.52E-08	5.43E-09	2.43E-09	7.48E-08

1044	490061.24	3859866.13	2.37E-04	2.73E-04	1.27E-04	8.19E-08	2.47E-07	1.43E-07	1.65E-07	1.50E-07	6.83E-08	3.17E-08	0.00E+00	0.00E+00	2.63E-08	5.60E-09	3.55E-08	5.48E-09	2.45E-09	7.54E-08
1045	490111.24	3859866.13	2.35E-04	2.71E-04	1.26E-04	8.13E-08	2.45E-07	1.42E-07	1.64E-07	1.49E-07	6.78E-08	3.15E-08	0.00E+00	0.00E+00	2.61E-08	5.56E-09	3.53E-08	5.44E-09	2.44E-09	7.49E-08
1046	490161.24	3859866.13	2.33E-04	2.69E-04	1.25E-04	8.07E-08	2.44E-07	1.41E-07	1.63E-07	1.47E-07	6.72E-08	3.12E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.50E-08	5.40E-09	2.42E-09	7.43E-08
1047	490211.24	3859866.13	2.31E-04	2.66E-04	1.24E-04	8.00E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.67E-08	3.09E-08	0.00E+00	0.00E+00	2.57E-08	5.47E-09	3.47E-08	5.36E-09	2.39E-09	7.37E-08
1048	490061.24	3859916.13	2.32E-04	2.67E-04	1.24E-04	8.03E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.11E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.49E-08	5.38E-09	2.41E-09	7.40E-08
1049	490111.24	3859916.13	2.31E-04	2.66E-04	1.23E-04	7.99E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.66E-08	3.09E-08	0.00E+00	0.00E+00	2.57E-08	5.46E-09	3.47E-08	5.35E-09	2.39E-09	7.36E-08
1050	490161.24	3859916.13	2.29E-04	2.64E-04	1.23E-04	7.93E-08	2.39E-07	1.39E-07	1.60E-07	1.45E-07	6.61E-08	3.07E-08	0.00E+00	0.00E+00	2.55E-08	5.43E-09	3.44E-08	5.31E-09	2.37E-09	7.30E-08
1051	490211.24	3859916.13	2.27E-04	2.62E-04	1.21E-04	7.87E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.56E-08	3.04E-08	0.00E+00	0.00E+00	2.53E-08	5.38E-09	3.42E-08	5.27E-09	2.35E-09	7.25E-08
1052	490229.25	3859815.26	2.34E-04	2.70E-04	1.25E-04	8.10E-08	2.44E-07	1.42E-07	1.63E-07	1.48E-07	6.75E-08	3.13E-08	0.00E+00	0.00E+00	2.60E-08	5.54E-09	3.52E-08	5.42E-09	2.42E-09	7.46E-08
1053	490279.25	3859815.26	2.32E-04	2.67E-04	1.24E-04	8.02E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.10E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.40E-09	7.39E-08
1054	490329.25	3859815.26	2.30E-04	2.65E-04	1.23E-04	7.95E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.63E-08	3.07E-08	0.00E+00	0.00E+00	2.56E-08	5.44E-09	3.45E-08	5.32E-09	2.38E-09	7.32E-08
1055	490379.25	3859815.26	2.28E-04	2.63E-04	1.22E-04	7.89E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.05E-08	0.00E+00	0.00E+00	2.54E-08	5.40E-09	3.43E-08	5.28E-09	2.36E-09	7.27E-08
1056	490429.25	3859815.26	2.27E-04	2.61E-04	1.21E-04	7.85E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.54E-08	3.03E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.25E-09	2.35E-09	7.23E-08
1057	490229.25	3859865.26	2.30E-04	2.66E-04	1.23E-04	7.98E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.08E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.39E-09	7.35E-08
1058	490279.25	3859865.26	2.28E-04	2.63E-04	1.22E-04	7.90E-08	2.39E-07	1.38E-07	1.59E-07	1.44E-07	6.59E-08	3.05E-08	0.00E+00	0.00E+00	2.54E-08	5.41E-09	3.43E-08	5.29E-09	2.36E-09	7.28E-08
1059	490329.25	3859865.26	2.26E-04	2.61E-04	1.21E-04	7.83E-08	2.36E-07	1.37E-07	1.58E-07	1.43E-07	6.53E-08	3.02E-08	0.00E+00	0.00E+00	2.52E-08	5.36E-09	3.40E-08	5.24E-09	2.34E-09	7.21E-08
1060	490379.25	3859865.26	2.24E-04	2.59E-04	1.20E-04	7.76E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.47E-08	3.00E-08	0.00E+00	0.00E+00	2.50E-08	5.31E-09	3.37E-08	5.20E-09	2.32E-09	7.15E-08
1061	490429.25	3859865.26	2.23E-04	2.57E-04	1.19E-04	7.71E-08	2.33E-07	1.35E-07	1.55E-07	1.41E-07	6.43E-08	2.97E-08	0.00E+00	0.00E+00	2.48E-08	5.27E-09	3.35E-08	5.16E-09	2.30E-09	7.10E-08
1062	490229.25	3859915.26	2.27E-04	2.62E-04	1.21E-04	7.85E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.55E-08	3.03E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.26E-09	2.35E-09	7.23E-08
1063	490279.25	3859915.26	2.25E-04	2.59E-04	1.20E-04	7.78E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.49E-08	3.00E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.38E-08	5.21E-09	2.33E-09	7.17E-08
1064	490329.25	3859915.26	2.23E-04	2.57E-04	1.19E-04	7.71E-08	2.33E-07	1.35E-07	1.55E-07	1.41E-07	6.43E-08	2.98E-08	0.00E+00	0.00E+00	2.48E-08	5.28E-09	3.35E-08	5.16E-09	2.30E-09	7.10E-08
1065	490379.25	3859915.26	2.21E-04	2.55E-04	1.18E-04	7.65E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.38E-08	2.95E-08	0.00E+00	0.00E+00	2.46E-08	5.23E-09	3.32E-08	5.12E-09	2.28E-09	7.04E-08
1066	490429.25	3859915.26	2.19E-04	2.53E-04	1.17E-04	7.58E-08	2.29E-07	1.32E-07	1.53E-07	1.39E-07	6.32E-08	2.92E-08	0.00E+00	0.00E+00	2.44E-08	5.19E-09	3.29E-08	5.08E-09	2.26E-09	6.98E-08
1067	490451.43	3859872.59	2.21E-04	2.55E-04	1.18E-04	7.66E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.39E-08	2.96E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.33E-08	5.13E-09	2.29E-09	7.06E-08
1068	490501.43	3859872.59	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.94E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.27E-09	7.02E-08
1069	490551.43	3859872.59	2.19E-04	2.53E-04	1.17E-04	7.59E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.33E-08	2.93E-08	0.00E+00	0.00E+00	2.44E-08	5.20E-09	3.30E-08	5.08E-09	2.27E-09	6.99E-08
1070	490601.43	3859872.59	2.19E-04	2.52E-04	1.17E-04	7.57E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.31E-08	2.92E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.26E-09	6.97E-08
1071	490451.43	3859922.59	2.18E-04	2.51E-04	1.16E-04	7.54E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.91E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.25E-09	6.94E-08
1072	490501.43	3859922.59	2.16E-04	2.49E-04	1.15E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.88E-08	0.00E+00	0.00E+00	2.41E-08	5.12E-09	3.25E-08	5.01E-09	2.23E-09	6.89E-08
1073	490551.43	3859922.59	2.15E-04	2.48E-04	1.15E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.21E-08	2.87E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.23E-08	4.99E-09	2.22E-09	6.86E-08
1074	490601.43	3859922.59	2.14E-04	2.47E-04	1.14E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.08E-09	3.22E-08	4.97E-09	2.21E-09	6.83E-08
1075	482129.67	3852241.07	1.35E-04	1.56E-04	7.05E-05	4.68E-08	1.41E-07	8.18E-08	9.46E-08	8.58E-08	3.91E-08	1.76E-08	0.00E+00	0.00E+00	1.50E-08	3.21E-09	2.04E-08	3.14E-09	1.37E-09	4.31E-08
1076	482029.67	3852291.07	1.35E-04	1.57E-04	7.07E-05	4.69E-08	1.42E-07	8.19E-08	9.49E-08	8.60E-08	3.92E-08	1.77E-08	0.00E+00	0.00E+00	1.51E-08	3.22E-09	2.04E-08	3.15E-09	1.37E-09	4.32E-08
1077	482079.67	3852291.07	1.37E-04	1.58E-04	7.14E-05	4.74E-08	1.43E-07	8.28E-08	9.58E-08	8.69E-08	3.96E-08	1.79E-08	0.00E+00	0.00E+00	1.52E-08	3.25E-09	2.06E-08	3.18E-09	1.38E-09	4.37E-08
1078	482129.67	3852291.07	1.38E-04	1.59E-04	7.18E-05	4.77E-08	1.44E-07	8.33E-08	9.64E-08	8.74E-08	3.99E-08	1.80E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.08E-08	3.20E-09	1.39E-09	4.40E-08
1079	482179.67	3852291.07	1.38E-04	1.60E-04	7.20E-05	4.78E-08	1.44E-07	8.35E-08	9.67E-08	8.77E-08	4.00E-08	1.80E-08	0.00E+00	0.00E+00	1.54E-08	3.28E-09	2.08E-08	3.21E-09	1.40E-09	4.41E-08
1080	482229.67	3852291.07	1.38E-04	1.60E-04	7.20E-05	4.77E-08	1.44E-07	8.34E-08	9.66E-08	8.75E-08	3.99E-08	1.80E-08	0.00E+00	0.00E+00	1.53E-08	3.28E-09	2.08E-08	3.21E-09	1.39E-09	4.40E-08
1081	482029.67	3852341.07	1.36E-04	1.58E-04	7.10E-05	4.71E-08	1.42E-07	8.24E-08	9.53E-08	8.64E-08	3.94E-08	1.78E-08	0.00E+00	0.00E+00	1.52E-08	3.24E-09	2.05E-08	3.17E-09	1.38E-09	4.35E-08
1082	482079.67	3852341.07	1.38E-04	1.60E-04	7.21E-05	4.79E-08	1.44E-07	8.36E-08	9.68E-08	8.78E-08	4.01E-08	1.81E-08	0.00E+00	0.00E+00	1.54E-08	3.29E-09	2.09E-08	3.22E-09	1.40E-09	4.41E-08
1083	482129.67	3852341.07	1.40E-04	1.62E-04	7.29E-05	4.84E-08	1.46E-07	8.45E-08	9.79E-08	8.87E-08	4.05E-08	1.82E-08	0.00E+00	0.00E+00	1.56E-08	3.32E-09	2.11E-08	3.25E-09	1.41E-09	4.46E-08
1084	482179.67	3852341.07	1.41E-04	1.63E-04	7.34E-05	4.87E-08	1.47E-07	8.51E-08	9.85E-08	8.93E-08	4.08E-08	1.84E-08	0.00E+00	0.00E+00	1.57E-08	3.34E-09	2.12E-08	3.27E-09	1.42E-09	4.49E-08
1085	482259.06	3852400.14	1.44E-04	1.66E-04	7.50E-05	4.97E-08	1.50E-07	8.69E-08	1.01E-07	9.12E-08	4.16E-08	1.88E-08	0.00E+00	0.00E+00	1.60E-08	3.42E-09	2.17E-08	3.34E-09	1.45E-09	4.59E-08
1086	482309.06	3852400.14	1.44E-04	1.67E-04	7.53E-05	5.00E-08	1.51E-07	8.73E-08	1.01E-07	9.16E-08	4.18E-08	1.88E-08	0.00E+00	0.00E+00	1.61E-08	3.43E-09	2.18E-08	3.36E-09	1.46E-09	4.61E-08
1087	482209.06	3852450.14	1.45E-04	1.68E-04	7.56E-05	5.01E-08	1.51E-07	8.76E-08	1.01E-07	9.20E-08	4.20E-08	1.89E-08	0.00E+00	0.00E+00	1.61E-08	3.44E-09	2.19E-08	3.37E-09	1.46E-09	4.63E-08
1088	482259.06	3852450.14	1.46E-04	1.69E-04	7.63E-05	5.06E-08	1.53E-07	8.85E-08	1.02E-07	9.28E-08	4.24E-08	1.91E-08	0.00E+00	0.00E+00	1.63E-08	3.48E-09	2.21E-08	3.40E-09	1.48E-09	4.67E-08
1089	482309.06	3852450.14	1.47E-04	1.71E-04	7.69E-05	5.10E-08	1.54E-07	8.92E-08	1.03E-07	9.36E-08	4.27E-08	1.92E-08	0.00E+00	0.00E+00	1.64E-08	3.50E-09	2.22E-08	3.43E-09	1.49E-09	4.71E-08
1090	482209.06	3852500.14	1.46E-04	1.69E-04	7.62E-05	5.06E-08	1.53E-07	8.84E-08	1.02E-07	9.28E-08	4.23E-08	1.91E-08	0.00E+00	0.00E+00	1.63E-08	3.47E-09	2.20E-08	3.40E-09	1.48E-09	4.67E-08
1091	482259.06	3852500.14	1.48E-04	1.72E-04	7.74E-05	5.13E-08	1.55E-07	8.97E-08	1.04E-07	9.41E-08	4.30E-08	1.94E-08	0.00E+00	0.00E+00	1.65E-08	3.53E-09	2.24E-08	3.45E-09	1.50E-09	4.73E-08
1092	482309.06	3852500.14	1.50E-04	1.74E-04	7.82E-05	5.19E-08	1.57E-07	9.07E-08	1.05E-07	9.52E-08	4.34E-08	1.96E-08	0.00E+00	0.00E+00	1.67E-08	3.56E-09	2.26E-08	3.49E-09	1.52E-09	4.79E-08
1093	482283.91	3852513.62	1.50E-04	1.73E-04	7.81E-05	5.18E-08	1.56E-07	9.05E-08	1.05E-07	9.50E-08	4.33E-08	1.95E-08	0.00E+00	0.00E+00	1.67E-08	3.56E-09	2.26E-08	3.48E-09	1.51E-09	4.78E-08
1094	482333.91	3852513.62	1.51E-04	1.75E-04	7.88E-05	5.23E-08	1.58E-07	9.13E-08	1.06E-07	9.59E-08	4.37E-08	1.97E-08	0.00E+00	0.00E+00	1.68E-08	3.59E-09	2.28E-08	3.51E-09	1.53E-09	4.82E-08
1095	482283.91	3852563.62	1.51E-04	1.75E-04	7.87E-05	5.22E-08	1.58E-07	9.13E-08	1.06E-07	9.58E-08	4.37E-08	1.97E-08	0.00E+00	0.00E+00	1.68E-08	3.59E-09	2.28E-08	3.51E-09	1.53E-09	4.82E-08
1096	482333.91	3852563.62	1.53E-04	1.77E-04	7.97E-05	5.29E-08	1.60E-07	9.25E-08	1.07E-07	9.70E-08	4.43E-08	2.00E-08	0.00E+00	0.00E+00	1.70E-08	3.63E-09	2.31E-08	3.56E-09	1.55E-09	4.88E-08
1097	482383.91	3852563.62	1.54E-04	1.78E-04	8.04E-05	5.33E-08	1.61E-07	9.32E-08	1.08E-07	9.78E-08	4.46E-08	2.01E-08	0.00E+00	0.00E+00	1.71E-08	3.66E-09	2.32E-08	3.58E-09	1.56E-09	4.92E-08
1098	482283.91	3852613.62	1.52E-04	1.76E-04	7.93E-05	5.26E-08	1.59E-07	9.20E-08	1.06E-07	9.65E-08	4.40E-08	1.98E-08	0.00E+00	0.00E+00	1.69E-08	3.61E-09	2.29E-08	3.54E-09	1.54E-09	4.85E-08
1099	482333.91	3852613.62	1.54E-04	1.79E-04	8.06E-05	5.34E-08	1.61E-07	9.34E-08	1.08E-07	9.80E-08	4.47E-08	2.02E-08	0.00E+00	0.00E+00	1.72E-08	3.67E-09	2.33E-08	3.59E-09	1.56E-09	4.93E-08
1100	482383.91	3852613.62	1.56E-04	1.81E-04	8.14E-05	5.40E-08	1.63E-07	9.45E-08	1.09E-07	9.91E-08	4.52E-08	2.04E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.35E-08	3.63E-09	1.58E-09	4.98E-08
1101	482602.38	3852600.87	1.56E-04	1.81E-04	8.14E-05	5.40E-08	1.63E-07	9.43E-08	1.09E-07	9.90E-08	4.52E-08	2.04E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.35E-08	3.63E-09	1.58E-09	4.98E-08
1102	482652.38	3852600.87	1.54E-04	1.79E-04	8.05E-05	5.34E-08	1.61E-07	9.33E-08	1.08E-07	9.79E-08	4.47E-08	2.01E-08	0.00E+00	0.00E+00	1.72E-08	3.67E-09	2.33E-08	3.59E-09	1.56E-09	4.92E-08
1103	482702.38	3852600.87	1.52E-04	1.76E-04	7.95E-05	5.27E-08	1.59E-07	9.22E-08	1.07E-07	9.67E-08	4.41E-08	1.99E-08	0.00E+00	0.00E+00	1.70E-08	3.62E-09	2.30E-08	3.54E-09	1.54E-09	4.87E-08
1104	482552.38	3852650.87	1.61E-04	1.87E-04	8.41E-05	5.58E-08	1.69E-07	9.76E-08	1.13E-07	1.02E-07	4.67E-08	2.11E-08	0.00E+00	0.00E+00	1.80E-08	3.83E-09	2.43E-08	3.75E-09	1.63E-09	5.15E-08
1105	482602.38	3852650.87	1.61E-04	1.86E-04	8.38E-05	5.56E-08	1.68E-07	9.72E-08	1.13E-07	1.02E-07	4.65E-08	2.10E-08	0.00E+00	0.00E+00	1.79E-08	3.82E-09	2.42E-08	3.74E-09	1.62E-09	5.13E-08
1106	482652.38	3852650.87	1.59E-04	1.84E-04	8.31E-05	5.51E-08	1.66E-07	9.64E-08	1.12E-07	1.01E-07	4.61E-08	2.08E-08	0.00E+00	0.00E+00	1.77E-08	3.79E-09	2.40E-08	3.70E-09	1.61E-09	5.09E-08
1107	482702.38	3852650.87	1.57E-04	1.82E-04	8.22E-05	5.45E-08	1.65E-07	9.53E-08	1.10E-07	1.00E-07	4.56E-08	2.06E-08	0.00E+00	0.00E+00	1.75E-08	3.74E-09	2.38E-08	3.66E-09	1.59E-09	5.03E-08
1108	482552.38	3852700.87	1.65E-04	1.91E-04	8.61E-05	5.72E-08	1.73E-07	9.99E-08	1.16E-07	1.05E-07	4.78E-08	2.16E-08	0.00E+00	0.00E+00	1.84E-08	3.93E-09	2.49E-08	3.84E-09	1.67E-09	5.27E-08
1109	482602.38	3852700.87	1.65E-04	1.91E-04	8.60E-05	5.71E-08	1.72E-07	9.97E-08	1.15E-07	1.05E-07	4.78E-08	2.15E-08	0.00E+00	0.00E+00	1.83E-08	3.92E-09	2.49E-08	3.84E-09	1.67E-09	5.26E-08
1110	482652.38	3852700.87	1.63E-04	1.89E-04	8.52E-05	5.66E-08	1.71E-07	9.89E-08	1.14E-07	1.04E-07	4.73E-08	2.13E-08	0.00E+00	0.00E+00	1.82E-08	3.88E-09	2.46E-08	3.80E-09	1.65E-09	5.22E-08
1111	482702.38	3852700.87	1.62E-04	1.88E-04	8.47E-05	5.62E-08	1.70E-07	9.82E-08	1.14E-07	1.03E-07	4.70E-08	2.12E-08	0.00E+00	0.00E+00	1.81E-08	3.86E-09	2.45E-08	3.78E-09	1.64E-09	5.18E-08
1112	482452.38	3852750.87	1.64E-04	1.90E-04	8.57E-05	5.68E-08	1.72E-07	9.93E-08	1.15E-07	1.04E-07	4.76E-08	2.14E-08	0.00E+00	0.00E+00	1.83E-08	3.90E-09	2.48E-08	3.82E-09	1.66E-09	5.24E-08
1113	482521.29	3852749.74	1.67E-04	1.94E-04	8.72E-05	5.79E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.85E-08	2.18E-08	0.00E+00	0.00E+00	1.86E-08	3.98E-09	2.52E-08	3.89E-09	1.69E-09	5.34E-08
1114	482571.29	3852749.74	1.68E-04	1.95E-04	8.78E-05	5.83E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.88E-08	2.20E-08	0.00E+00	0.00E+00	1.87E-08	4.00E-09	2.54E-08	3.92E-09	1.70E-09	5.38E-08
1115	482521.29	3852799.74	1.69E-04	1.96E-04	8.82E-05	5.85E-08	1.77E-07	1.02E-07	1.18E-07	1.07E-07	4.90E-08	2.21E-08	0.00E+00	0.00E+00	1.88E-08	4.02E-09	2.55E-08	3.93E-09	1.71E-09	5.40E-08
1116	482571.29	3852799.74	1.71E-04	1.98E-04	8.92E-05	5.92E-08	1.79E-07	1.03E-07	1.20E-07	1.09E-07	4.96E-08	2.23E-08	0.00E+00	0.00E+00	1.90E-08	4.07E-09	2.58E-08	3.98E-09	1.73E-09	5.46E-08
1117	482621.29	3852799.74	1.72E-04	1.99E-04	8.98E-05	5.96E-08	1.80E-07	1.04E-07	1.21E-07	1.09E-07	4.99E-08	2.25E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.60E-08	4.01E-09	1.74E-09	5.50E-08
1118	482571.29	3852849.74	1.73E-04	2.01E-04	9.05E-05	6.00E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.02E-08	2.26E-08	0.00E+00	0.00E+00	1.93E-08	4.12E-09	2.62E-08	4.03E-09	1.75E-09	5.54E-08
1119	482621.29	3852849.74	1.76E-04	2.03E-04	9.16E-05	6.08E-08	1.84E-07	1.06E-07	1.23E-07	1.12E-07	5.09E-08	2.29E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.78E-09	5.61E-08
1120	482577.42	3852901.55	1.76E-04	2.03E-04	9.17E-05	6.08E-08	1.84E-07	1.06E-07	1.23E-07	1.12E-07	5.09E-08	2.29E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.78E-09	5.61E-08
1121	482627.42	3852901.55	1.79E-04	2.07E-04	9.33E-05	6.19E-08	1.87E-07	1.08E-07	1.25E-07	1.14E-07	5.18E-08	2.34E-08	0.00E+00	0.00E+00	1.99E-08	4.25E-09	2.70E-08	4.16E-09	1.81E-09	5.71E-08
1122	482629.96	3852955.85	1.81E-04	2.09E-04	9.44E-05	6.26E-08	1.89E-07	1.09E-07	1.27E-07	1.15E-07	5.24E-08	2.36E-08	0.00E+00	0.00E+00	2.01E-08	4.30E-09	2.73E-08	4.21E-09	1.83E-09	5.78E-08
1123	482679.96	3852955.85	1.84E-04	2.13E-04	9.61E-05	6.38E-08	1.93E-07	1.11E-07	1.29E-07	1.17E-07	5.34E-08	2.41E-08	0.00E+00	0.00E+00	2.05E-08	4.38E-09	2.78E-08	4.29E-09	1.86E-09	5.88E-08
1124	482781.63	3853034.48	1.94E-04	2.25E-04	1.01E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.63E-08	2.53E-08	0.00E+00	0.00E+00	2.16E-08	4.62E-09	2.93E-08	4.52E-09	1.96E-09	6.20E-08
1125	482831.63	3853034.48	1.96E-04	2.27E-04	1.02E-04	6.79E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.68E-08	2.56E-08	0.00E+00	0.00E+00	2.18E-08	4.66E-09	2.96E-08	4.56E-09	1.98E-09	6.26E-08
1126	482881.63	3853034.48	1.97E-04	2.28E-04	1.03E-04	6.81E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.57E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.97E-08	4.57E-09	1.99E-09	6.28E-08
1127	482781.63	3853084.48	1.97E-04	2.28E-04	1.03E-04	6.81E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.57E-08	0.00E+00	0.00E+00	2.19E-08	4.68E-09	2.97E-08	4.58E-09	1.99E-09	6.28E-08
1128	482831.63	3853084.48	2.00E-04	2.31E-04	1.04E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.61E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.02E-08	4.65E-09	2.02E-09	6.38E-08
1129	482881.63	3853084.48	2.02E-04	2.33E-04	1.05E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.63E-08	0.00E+00	0.00E+00	2.24E-08	4.79E-09	3.04E-08	4.69E-09	2.04E-09	6.44E-08
1130	482781.63	3853134.48	1.98E-04	2.29E-04	1.03E-04	6.86E-08	2.07E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.59E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.00E-09	6.33E-08
1131	482831.63	3853134.48	2.03E-04	2.34E-04	1.06E-04	7.01E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.64E-08	0.00E+00	0.00E+00	2.25E-08	4.82E-09	3.06E-08	4.71E-09	2.05E-09	6.47E-08
1132	482881.63	3853134.48	2.05E-04	2.38E-04	1.07E-04	7.11E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.95E-08	2.68E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.08E-09	6.56E-08
1133	482831.63	3853184.48	2.04E-04	2.36E-04	1.06E-04	7.06E-08	2.13E-07	1.23E-07	1.43E-07	1.30E-07	5.91E-08	2.66E-08	0.00E+00	0.00E+00	2.27E-08	4.85E-09	3.08E-08	4.75E-09	2.06E-09	6.52E-08
1134	482881.63	3853184.48	2.08E-04	2.41E-04	1.09E-04	7.21E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.72E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.10E-09	6.65E-08
1135	484154.84	3854250.98	4.13E-04	4.78E-04	2.15E-04	1.43E-07	4.31E-07	2.50E-07	2.89E-07	2.62E-07	1.20E-07	5.39E-08	0.00E+00	0.00E+00	4.59E-08	9.81E-09	6.23E-08	9.60E-09	4.18E-09	1.32E-07
1136	484204.84	3854250.98	3.97E-04	4.60E-04	2.07E-04	1.38E-07	4.15E-07	2.40E-07	2.78E-07	2.52E-07	1.15E-07	5.19E-08	0.00E+00	0.00E+00	4.42E-08	9.45E-09	6.00E-08	9.25E-09	4.02E-09	1.27E-07
1137	484154.84	3854300.98	4.21E-04	4.88E-04	2.20E-04	1.46E-07	4.40E-07	2.55E-07	2.95E-07	2.68E-07	1.22E-07	5.51E-08	0.00E+00	0.00E+00	4.69E-08	1.00E-08	6.36E-08	9.80E-09	4.26E-09	1.35E-07
1138	484204.84	3854300.98	4.11E-04	4.76E-04	2.15E-04	1.42E-07	4.29E-07	2.49E-07	2.88E-07	2.61E-07	1.19E-07	5.37E-08	0.00E+00	0.00E+00	4.57E-08	9.77E-09	6.20E-08	9.56E-09	4.16E-09	1.31E-07
1139	484074.19	3854519.8	4.88E-04	5.64E-04	2.55E-04	1.69E-07	5.10E-07	2.95E-07	3.41E-07	3.09E-07	1.41E-07	6.38E-08	0.00E+00	0.00E+00	5.43E-08	1.16E-08	7.35E-08	1.13E-08	4.94E-09	1.56E-07
1140	484124.19	3854519.8	4.83E-04	5.58E-04	2.52E-04	1.67E-07	5.04E-07	2.92E-07	3.38E-07	3.06E-07	1.40E-07	6.32E-08	0.00E+00	0.00E+00	5.37E-08	1.15E-08	7.28E-08	1.12E-08	4.89E-09	1.54E-07
1141	484074.19	3854569.8	4.99E-04	5.77E-04	2.61E-04	1.73E-07	5.21E-07	3.02E-07	3.49E-07	3.16E-07	1.44E-07	6.53E-08	0.00E+00	0.00E+00	5.55E-08	1.18E-08	7.52E-08	1.16E-08	5.06E-09	1.59E-07
1142	484124.19	3854569.8	4.87E-04	5.63E-04	2.55E-04	1.69E-07	5.09E-07	2.95E-07	3.41E-07	3.09E-07	1.41E-07	6.38E-08	0.00E+00	0.00E+00	5.42E-08	1.16E-08	7.34E-08	1.13E-08	4.94E-09	1.55E-07
1143	485205.11	3855188.89	7.27E-03	8.42E-03	3.78E-03	2.52E-06	7.60E-06	4.40E-06	5.10E-06	4.62E-06	2.11E-06	9.46E-07	0.00E+00	0.00E+00	8.10E-07	1.73E-07	1.10E-06	1.69E-07	7.33E-08	2.32E-06
1144	485255.11	3855188.89	6.44E-03	7.46E-03	3.35E-03	2.23E-06	6.73E-06	3.90E-06	4.52E-06	4.09E-06	1.87E-06	8.38E-07	0.00E+00	0.00E+00	7.17E-07	1.53E-07	9.73E-07	1.50E-07	6.49E-08	2.06E-06
1145	485205.11	3855238.89	8.74E-03	1.01E-02	4.54E-03	3.02E-06	9.13E-06	5.29E-06	6.12E-06	5.55E-06	2.53E-06	1.14E-06	0.00E+00	0.00E+00	9.72E-07	2.08E-07	1.32E-06	2.03E-07	8.80E-08	2.79E-06
1146	485255.11	3855238.89	7.95E-03	9.21E-03	4.13E-03	2.75E-06	8.31E-06	4.81E-06	5.57E-06	5.05E-06	2.30E-06	1.03E-06	0.00E+00	0.00E+00	8.85E-07	1.89E-07	1.20E-06	1.85E-07	8.01E-08	2.54E-06
1147	485205.11	3855288.89	1.17E-02	1.36E-02	6.10E-03	4.06E-06	1.23E-05	7.10E-06	8.22E-06	7.46E-06	3.40E-06	1.53E-06	0.00E+00	0.00E+00	1.31E-06	2.79E-07	1.77E-06	2.73E-07	1.18E-07	3.75E-06
1148	485255.11	3855288.89	1.02E-02	1.18E-02	5.31E-03	3.54E-06	1.07E-05	6.19E-06	7.17E-06	6.50E-06	2.96E-06	1.33E-06	0.00E+00	0.00E+00	1.14E-06	2.43E-07	1.54E-06	2.38E-07	1.03E-07	3.27E-06

1149	485255.11	3855338.89	1.32E-02	1.52E-02	6.84E-03	4.56E-06	1.38E-05	7.96E-06	9.23E-06	8.36E-06	3.82E-06	1.71E-06	0.00E+00	0.00E+00	1.47E-06	3.13E-07	1.99E-06	3.06E-07	1.33E-07	4.20E-06
1150	485305.11	3855338.89	1.14E-02	1.32E-02	5.92E-03	3.94E-06	1.19E-05	6.89E-06	7.98E-06	7.24E-06	3.30E-06	1.48E-06	0.00E+00	0.00E+00	1.27E-06	2.71E-07	1.72E-06	2.65E-07	1.15E-07	3.64E-06
1151	485852.5	3855635.28	1.00E-02	1.16E-02	5.21E-03	3.47E-06	1.05E-05	6.07E-06	7.03E-06	6.37E-06	2.91E-06	1.30E-06	0.00E+00	0.00E+00	1.12E-06	2.39E-07	1.51E-06	2.33E-07	1.01E-07	3.20E-06
1152	485902.5	3855635.28	9.17E-03	1.06E-02	4.76E-03	3.17E-06	9.58E-06	5.55E-06	6.42E-06	5.82E-06	2.66E-06	1.19E-06	0.00E+00	0.00E+00	1.02E-06	2.18E-07	1.38E-06	2.13E-07	9.23E-08	2.93E-06
1153	485852.5	3855685.28	1.12E-02	1.30E-02	5.81E-03	3.87E-06	1.17E-05	6.77E-06	7.84E-06	7.10E-06	3.24E-06	1.45E-06	0.00E+00	0.00E+00	1.24E-06	2.66E-07	1.69E-06	2.60E-07	1.13E-07	3.57E-06
1154	485902.5	3855685.28	1.02E-02	1.18E-02	5.28E-03	3.51E-06	1.06E-05	6.14E-06	7.11E-06	6.45E-06	2.94E-06	1.32E-06	0.00E+00	0.00E+00	1.13E-06	2.41E-07	1.53E-06	2.36E-07	1.02E-07	3.24E-06
1155	485852.5	3855735.28	1.26E-02	1.45E-02	6.53E-03	4.35E-06	1.31E-05	7.60E-06	8.80E-06	7.98E-06	3.64E-06	1.63E-06	0.00E+00	0.00E+00	1.40E-06	2.99E-07	1.90E-06	2.92E-07	1.26E-07	4.01E-06
1156	485902.5	3855735.28	1.14E-02	1.32E-02	5.94E-03	3.95E-06	1.19E-05	6.91E-06	8.00E-06	7.25E-06	3.31E-06	1.49E-06	0.00E+00	0.00E+00	1.27E-06	2.72E-07	1.72E-06	2.66E-07	1.15E-07	3.65E-06
1157	485852.5	3855785.28	1.44E-02	1.67E-02	7.49E-03	4.99E-06	1.51E-05	8.72E-06	1.01E-05	9.16E-06	4.18E-06	1.87E-06	0.00E+00	0.00E+00	1.60E-06	3.43E-07	2.18E-06	3.36E-07	1.45E-07	4.60E-06
1158	485902.5	3855785.28	1.27E-02	1.48E-02	6.63E-03	4.41E-06	1.33E-05	7.71E-06	8.93E-06	8.10E-06	3.70E-06	1.66E-06	0.00E+00	0.00E+00	1.42E-06	3.03E-07	1.92E-06	2.97E-07	1.28E-07	4.07E-06
1159	486809.46	3856465.28	1.13E-02	1.31E-02	5.89E-03	3.92E-06	1.18E-05	6.85E-06	7.94E-06	7.20E-06	3.28E-06	1.47E-06	0.00E+00	0.00E+00	1.26E-06	2.69E-07	1.71E-06	2.64E-07	1.14E-07	3.62E-06
1160	486859.46	3856465.28	1.07E-02	1.24E-02	5.55E-03	3.70E-06	1.12E-05	6.46E-06	7.48E-06	6.78E-06	3.09E-06	1.39E-06	0.00E+00	0.00E+00	1.19E-06	2.54E-07	1.61E-06	2.49E-07	1.08E-07	3.41E-06
1161	486909.46	3856465.28	1.01E-02	1.17E-02	5.23E-03	3.49E-06	1.05E-05	6.09E-06	7.06E-06	6.40E-06	2.92E-06	1.31E-06	0.00E+00	0.00E+00	1.12E-06	2.40E-07	1.52E-06	2.34E-07	1.01E-07	3.22E-06
1162	486809.46	3856515.28	1.24E-02	1.43E-02	6.44E-03	4.29E-06	1.29E-05	7.49E-06	8.68E-06	7.87E-06	3.59E-06	1.61E-06	0.00E+00	0.00E+00	1.38E-06	2.95E-07	1.87E-06	2.88E-07	1.25E-07	3.95E-06
1163	486859.46	3856515.28	1.16E-02	1.35E-02	6.04E-03	4.02E-06	1.21E-05	7.03E-06	8.14E-06	7.38E-06	3.37E-06	1.51E-06	0.00E+00	0.00E+00	1.29E-06	2.76E-07	1.75E-06	2.71E-07	1.17E-07	3.71E-06
1164	486909.46	3856515.28	1.09E-02	1.26E-02	5.67E-03	3.78E-06	1.14E-05	6.61E-06	7.65E-06	6.94E-06	3.16E-06	1.42E-06	0.00E+00	0.00E+00	1.22E-06	2.60E-07	1.65E-06	2.54E-07	1.10E-07	3.49E-06
1165	486980.94	3856357.95	8.13E-03	9.41E-03	4.22E-03	2.81E-06	8.49E-06	4.92E-06	5.70E-06	5.16E-06	2.36E-06	1.06E-06	0.00E+00	0.00E+00	9.05E-07	1.93E-07	1.23E-06	1.89E-07	8.19E-08	2.60E-06
1166	487030.94	3856357.95	7.79E-03	9.02E-03	4.05E-03	2.70E-06	8.14E-06	4.71E-06	5.46E-06	4.95E-06	2.26E-06	1.01E-06	0.00E+00	0.00E+00	8.67E-07	1.85E-07	1.18E-06	1.81E-07	7.85E-08	2.49E-06
1167	486980.94	3856407.95	8.67E-03	1.00E-02	4.51E-03	3.00E-06	9.06E-06	5.25E-06	6.08E-06	5.51E-06	2.51E-06	1.13E-06	0.00E+00	0.00E+00	9.65E-07	2.06E-07	1.31E-06	2.02E-07	8.74E-08	2.77E-06
1168	487030.94	3856407.95	8.28E-03	9.59E-03	4.31E-03	2.87E-06	8.66E-06	5.01E-06	5.80E-06	5.26E-06	2.40E-06	1.08E-06	0.00E+00	0.00E+00	9.22E-07	1.97E-07	1.25E-06	1.93E-07	8.34E-08	2.65E-06
1169	487447.18	3856437.45	6.20E-03	7.18E-03	3.22E-03	2.14E-06	6.48E-06	3.75E-06	4.34E-06	3.94E-06	1.80E-06	8.06E-07	0.00E+00	0.00E+00	6.90E-07	1.47E-07	9.35E-07	1.44E-07	6.24E-08	1.98E-06
1170	487497.18	3856437.45	5.99E-03	6.94E-03	3.11E-03	2.07E-06	6.26E-06	3.62E-06	4.20E-06	3.80E-06	1.74E-06	7.79E-07	0.00E+00	0.00E+00	6.67E-07	1.42E-07	9.04E-07	1.39E-07	6.03E-08	1.91E-06
1171	487547.18	3856437.45	5.80E-03	6.71E-03	3.01E-03	2.01E-06	6.06E-06	3.51E-06	4.06E-06	3.68E-06	1.68E-06	7.54E-07	0.00E+00	0.00E+00	6.45E-07	1.38E-07	8.75E-07	1.35E-07	5.84E-08	1.85E-06
1172	487447.18	3856487.45	6.47E-03	7.50E-03	3.36E-03	2.24E-06	6.76E-06	3.92E-06	4.54E-06	4.11E-06	1.88E-06	8.42E-07	0.00E+00	0.00E+00	7.20E-07	1.54E-07	9.77E-07	1.51E-07	6.52E-08	2.07E-06
1173	487497.18	3856487.45	6.24E-03	7.23E-03	3.25E-03	2.16E-06	6.53E-06	3.78E-06	4.38E-06	3.97E-06	1.81E-06	8.12E-07	0.00E+00	0.00E+00	6.95E-07	1.49E-07	9.42E-07	1.45E-07	6.29E-08	1.99E-06
1174	487547.18	3856487.45	6.05E-03	7.01E-03	3.15E-03	2.09E-06	6.32E-06	3.66E-06	4.24E-06	3.84E-06	1.75E-06	7.87E-07	0.00E+00	0.00E+00	6.73E-07	1.44E-07	9.13E-07	1.41E-07	6.10E-08	1.93E-06
1175	487447.18	3856537.45	6.78E-03	7.85E-03	3.53E-03	2.35E-06	7.09E-06	4.10E-06	4.75E-06	4.31E-06	1.97E-06	8.82E-07	0.00E+00	0.00E+00	7.55E-07	1.61E-07	1.02E-06	1.58E-07	6.83E-08	2.17E-06
1176	487497.18	3856537.45	6.52E-03	7.56E-03	3.39E-03	2.26E-06	6.82E-06	3.95E-06	4.57E-06	4.15E-06	1.89E-06	8.49E-07	0.00E+00	0.00E+00	7.26E-07	1.55E-07	9.85E-07	1.52E-07	6.57E-08	2.08E-06
1177	487547.18	3856537.45	6.29E-03	7.28E-03	3.27E-03	2.18E-06	6.57E-06	3.81E-06	4.41E-06	4.00E-06	1.82E-06	8.18E-07	0.00E+00	0.00E+00	7.00E-07	1.50E-07	9.49E-07	1.46E-07	6.34E-08	2.01E-06
1178	489285.89	3858826.54	4.00E-04	4.62E-04	2.13E-04	1.38E-07	4.18E-07	2.42E-07	2.79E-07	2.53E-07	1.16E-07	5.33E-08	0.00E+00	0.00E+00	4.45E-08	9.48E-09	6.02E-08	9.28E-09	4.13E-09	1.28E-07
1179	489335.89	3858826.54	3.98E-04	4.60E-04	2.12E-04	1.38E-07	4.16E-07	2.41E-07	2.78E-07	2.52E-07	1.15E-07	5.31E-08	0.00E+00	0.00E+00	4.43E-08	9.44E-09	5.99E-08	9.24E-09	4.11E-09	1.27E-07
1180	489385.89	3858826.54	3.97E-04	4.59E-04	2.12E-04	1.38E-07	4.15E-07	2.40E-07	2.77E-07	2.52E-07	1.15E-07	5.30E-08	0.00E+00	0.00E+00	4.42E-08	9.42E-09	5.98E-08	9.22E-09	4.10E-09	1.27E-07
1181	489435.89	3858826.54	3.97E-04	4.58E-04	2.11E-04	1.37E-07	4.15E-07	2.40E-07	2.77E-07	2.51E-07	1.15E-07	5.29E-08	0.00E+00	0.00E+00	4.42E-08	9.40E-09	5.97E-08	9.20E-09	4.10E-09	1.27E-07
1182	489485.89	3858826.54	3.96E-04	4.58E-04	2.11E-04	1.37E-07	4.14E-07	2.40E-07	2.77E-07	2.51E-07	1.15E-07	5.28E-08	0.00E+00	0.00E+00	4.41E-08	9.40E-09	5.96E-08	9.19E-09	4.09E-09	1.26E-07
1183	489535.89	3858826.54	3.97E-04	4.58E-04	2.11E-04	1.37E-07	4.15E-07	2.40E-07	2.77E-07	2.51E-07	1.15E-07	5.29E-08	0.00E+00	0.00E+00	4.41E-08	9.40E-09	5.96E-08	9.20E-09	4.09E-09	1.26E-07
1184	489585.89	3858826.54	3.97E-04	4.58E-04	2.11E-04	1.37E-07	4.15E-07	2.40E-07	2.77E-07	2.51E-07	1.15E-07	5.29E-08	0.00E+00	0.00E+00	4.42E-08	9.41E-09	5.97E-08	9.21E-09	4.10E-09	1.27E-07
1185	489635.89	3858826.54	3.98E-04	4.59E-04	2.12E-04	1.38E-07	4.16E-07	2.41E-07	2.78E-07	2.52E-07	1.15E-07	5.30E-08	0.00E+00	0.00E+00	4.43E-08	9.43E-09	5.99E-08	9.23E-09	4.11E-09	1.27E-07
1186	489685.89	3858826.54	3.99E-04	4.61E-04	2.13E-04	1.38E-07	4.17E-07	2.42E-07	2.79E-07	2.53E-07	1.15E-07	5.32E-08	0.00E+00	0.00E+00	4.45E-08	9.47E-09	6.01E-08	9.26E-09	4.12E-09	1.27E-07
1187	489735.89	3858826.54	4.01E-04	4.63E-04	2.13E-04	1.39E-07	4.19E-07	2.43E-07	2.80E-07	2.54E-07	1.16E-07	5.34E-08	0.00E+00	0.00E+00	4.46E-08	9.50E-09	6.03E-08	9.30E-09	4.14E-09	1.28E-07
1188	489785.89	3858826.54	4.03E-04	4.65E-04	2.14E-04	1.39E-07	4.21E-07	2.44E-07	2.81E-07	2.55E-07	1.16E-07	5.36E-08	0.00E+00	0.00E+00	4.48E-08	9.54E-09	6.06E-08	9.34E-09	4.15E-09	1.28E-07
1189	489835.89	3858826.54	4.05E-04	4.67E-04	2.15E-04	1.40E-07	4.23E-07	2.45E-07	2.83E-07	2.56E-07	1.17E-07	5.39E-08	0.00E+00	0.00E+00	4.51E-08	9.59E-09	6.09E-08	9.39E-09	4.17E-09	1.29E-07
1190	489885.89	3858826.54	4.07E-04	4.69E-04	2.16E-04	1.41E-07	4.25E-07	2.46E-07	2.84E-07	2.57E-07	1.17E-07	5.42E-08	0.00E+00	0.00E+00	4.53E-08	9.64E-09	6.12E-08	9.43E-09	4.19E-09	1.30E-07
1191	489935.89	3858826.54	4.09E-04	4.72E-04	2.18E-04	1.42E-07	4.27E-07	2.47E-07	2.86E-07	2.59E-07	1.18E-07	5.44E-08	0.00E+00	0.00E+00	4.55E-08	9.69E-09	6.15E-08	9.49E-09	4.22E-09	1.30E-07
1192	489985.89	3858826.54	4.11E-04	4.75E-04	2.19E-04	1.42E-07	4.30E-07	2.49E-07	2.87E-07	2.60E-07	1.19E-07	5.47E-08	0.00E+00	0.00E+00	4.58E-08	9.75E-09	6.19E-08	9.54E-09	4.24E-09	1.31E-07
1193	490035.89	3858826.54	4.14E-04	4.78E-04	2.20E-04	1.43E-07	4.33E-07	2.50E-07	2.89E-07	2.62E-07	1.20E-07	5.51E-08	0.00E+00	0.00E+00	4.61E-08	9.81E-09	6.23E-08	9.60E-09	4.27E-09	1.32E-07
1194	489285.89	3858876.54	3.89E-04	4.49E-04	2.07E-04	1.35E-07	4.07E-07	2.36E-07	2.72E-07	2.46E-07	1.12E-07	5.19E-08	0.00E+00	0.00E+00	4.33E-08	9.23E-09	5.86E-08	9.03E-09	4.02E-09	1.24E-07
1195	489335.89	3858876.54	3.87E-04	4.47E-04	2.06E-04	1.34E-07	4.05E-07	2.34E-07	2.70E-07	2.45E-07	1.12E-07	5.16E-08	0.00E+00	0.00E+00	4.31E-08	9.18E-09	5.83E-08	8.98E-09	4.00E-09	1.24E-07
1196	489385.89	3858876.54	3.86E-04	4.45E-04	2.05E-04	1.33E-07	4.03E-07	2.33E-07	2.69E-07	2.44E-07	1.11E-07	5.14E-08	0.00E+00	0.00E+00	4.29E-08	9.14E-09	5.80E-08	8.94E-09	3.98E-09	1.23E-07
1197	489435.89	3858876.54	3.84E-04	4.43E-04	2.05E-04	1.33E-07	4.02E-07	2.33E-07	2.68E-07	2.43E-07	1.11E-07	5.12E-08	0.00E+00	0.00E+00	4.28E-08	9.11E-09	5.78E-08	8.91E-09	3.97E-09	1.23E-07
1198	489485.89	3858876.54	3.83E-04	4.42E-04	2.04E-04	1.33E-07	4.01E-07	2.32E-07	2.68E-07	2.43E-07	1.11E-07	5.11E-08	0.00E+00	0.00E+00	4.27E-08	9.09E-09	5.77E-08	8.89E-09	3.96E-09	1.22E-07
1199	489535.89	3858876.54	3.83E-04	4.42E-04	2.04E-04	1.33E-07	4.00E-07	2.32E-07	2.67E-07	2.42E-07	1.11E-07	5.11E-08	0.00E+00	0.00E+00	4.26E-08	9.08E-09	5.76E-08	8.88E-09	3.95E-09	1.22E-07
1200	489585.89	3858876.54	3.83E-04	4.42E-04	2.04E-04	1.33E-07	4.00E-07	2.32E-07	2.68E-07	2.43E-07	1.11E-07	5.11E-08	0.00E+00	0.00E+00	4.26E-08	9.08E-09	5.76E-08	8.89E-09	3.96E-09	1.22E-07
1201	489635.89	3858876.54	3.83E-04	4.42E-04	2.04E-04	1.33E-07	4.01E-07	2.32E-07	2.68E-07	2.43E-07	1.11E-07	5.11E-08	0.00E+00	0.00E+00	4.27E-08	9.09E-09	5.77E-08	8.89E-09	3.96E-09	1.22E-07
1202	489685.89	3858876.54	3.84E-04	4.43E-04	2.05E-04	1.33E-07	4.01E-07	2.32E-07	2.68E-07	2.43E-07	1.11E-07	5.12E-08	0.00E+00	0.00E+00	4.28E-08	9.10E-09	5.78E-08	8.91E-09	3.96E-09	1.22E-07
1203	489735.89	3858876.54	3.85E-04	4.44E-04	2.05E-04	1.33E-07	4.03E-07	2.33E-07	2.69E-07	2.44E-07	1.11E-07	5.13E-08	0.00E+00	0.00E+00	4.29E-08	9.13E-09	5.79E-08	8.93E-09	3.98E-09	1.23E-07
1204	489785.89	3858876.54	3.86E-04	4.46E-04	2.06E-04	1.34E-07	4.04E-07	2.34E-07	2.70E-07	2.45E-07	1.12E-07	5.15E-08	0.00E+00	0.00E+00	4.30E-08	9.16E-09	5.81E-08	8.96E-09	3.99E-09	1.23E-07
1205	489835.89	3858876.54	3.88E-04	4.48E-04	2.07E-04	1.34E-07	4.05E-07	2.35E-07	2.71E-07	2.46E-07	1.12E-07	5.17E-08	0.00E+00	0.00E+00	4.32E-08	9.20E-09	5.83E-08	9.00E-09	4.00E-09	1.24E-07
1206	489885.89	3858876.54	3.89E-04	4.49E-04	2.07E-04	1.35E-07	4.07E-07	2.36E-07	2.72E-07	2.47E-07	1.12E-07	5.19E-08	0.00E+00	0.00E+00	4.33E-08	9.23E-09	5.86E-08	9.03E-09	4.02E-09	1.24E-07
1207	489935.89	3858876.54	3.92E-04	4.52E-04	2.08E-04	1.36E-07	4.09E-07	2.37E-07	2.73E-07	2.48E-07	1.13E-07	5.21E-08	0.00E+00	0.00E+00	4.36E-08	9.28E-09	5.89E-08	9.08E-09	4.04E-09	1.25E-07
1208	489985.89	3858876.54	3.94E-04	4.55E-04	2.10E-04	1.36E-07	4.12E-07	2.38E-07	2.75E-07	2.49E-07	1.14E-07	5.24E-08	0.00E+00	0.00E+00	4.38E-08	9.34E-09	5.92E-08	9.14E-09	4.06E-09	1.26E-07
1209	490035.89	3858876.54	3.96E-04	4.57E-04	2.11E-04	1.37E-07	4.14E-07	2.40E-07	2.77E-07	2.51E-07	1.14E-07	5.27E-08	0.00E+00	0.00E+00	4.41E-08	9.39E-09	5.96E-08	9.19E-09	4.08E-09	1.26E-07
1210	489285.89	3858926.54	3.80E-04	4.38E-04	2.02E-04	1.31E-07	3.97E-07	2.30E-07	2.65E-07	2.40E-07	1.10E-07	5.07E-08	0.00E+00	0.00E+00	4.23E-08	9.00E-09	5.71E-08	8.81E-09	3.92E-09	1.21E-07
1211	489335.89	3858926.54	3.77E-04	4.35E-04	2.01E-04	1.31E-07	3.94E-07	2.28E-07	2.63E-07	2.39E-07	1.09E-07	5.03E-08	0.00E+00	0.00E+00	4.20E-08	8.94E-09	5.67E-08	8.75E-09	3.90E-09	1.20E-07
1212	489385.89	3858926.54	3.75E-04	4.33E-04	2.00E-04	1.30E-07	3.92E-07	2.27E-07	2.62E-07	2.38E-07	1.08E-07	5.01E-08	0.00E+00	0.00E+00	4.18E-08	8.89E-09	5.64E-08	8.70E-09	3.88E-09	1.20E-07
1213	489435.89	3858926.54	3.74E-04	4.31E-04	1.99E-04	1.29E-07	3.90E-07	2.26E-07	2.61E-07	2.36E-07	1.08E-07	4.98E-08	0.00E+00	0.00E+00	4.16E-08	8.85E-09	5.62E-08	8.66E-09	3.86E-09	1.19E-07
1214	489485.89	3858926.54	3.72E-04	4.29E-04	1.98E-04	1.29E-07	3.89E-07	2.25E-07	2.60E-07	2.36E-07	1.07E-07	4.97E-08	0.00E+00	0.00E+00	4.14E-08	8.82E-09	5.60E-08	8.63E-09	3.84E-09	1.19E-07
1215	489535.89	3858926.54	3.71E-04	4.28E-04	1.98E-04	1.28E-07	3.88E-07	2.25E-07	2.59E-07	2.35E-07	1.07E-07	4.95E-08	0.00E+00	0.00E+00	4.13E-08	8.80E-09	5.58E-08	8.61E-09	3.83E-09	1.18E-07
1216	489585.89	3858926.54	3.71E-04	4.28E-04	1.98E-04	1.28E-07	3.87E-07	2.24E-07	2.59E-07	2.35E-07	1.07E-07	4.94E-08	0.00E+00	0.00E+00	4.12E-08	8.78E-09	5.57E-08	8.59E-09	3.83E-09	1.18E-07
1217	489635.89	3858926.54	3.70E-04	4.27E-04	1.97E-04	1.28E-07	3.87E-07	2.24E-07	2.59E-07	2.34E-07	1.07E-07	4.94E-08	0.00E+00	0.00E+00	4.12E-08	8.78E-09	5.57E-08	8.59E-09	3.83E-09	1.18E-07
1218	489685.89	3858926.54	3.71E-04	4.28E-04	1.98E-04	1.28E-07	3.87E-07	2.24E-07	2.59E-07	2.35E-07	1.07E-07	4.94E-08	0.00E+00	0.00E+00	4.13E-08	8.78E-09	5.57E-08	8.59E-09	3.83E-09	1.18E-07
1219	489735.89	3858926.54	3.71E-04	4.28E-04	1.98E-04	1.28E-07	3.88E-07	2.24E-07	2.59E-07	2.35E-07	1.07E-07	4.95E-08	0.00E+00	0.00E+00	4.13E-08	8.79E-09	5.58E-08	8.60E-09	3.83E-09	1.18E-07
1220	489785.89	3858926.54	3.72E-04	4.29E-04	1.98E-04	1.29E-07	3.88E-07	2.25E-07	2.59E-07	2.35E-07	1.07E-07	4.95E-08	0.00E+00	0.00E+00	4.14E-08	8.80E-09	5.59E-08	8.62E-09	3.84E-09	1.18E-07
1221	489835.89	3858926.54	3.73E-04	4.30E-04	1.99E-04	1.29E-07	3.90E-07	2.25E-07	2.60E-07	2.36E-07	1.08E-07	4.97E-08	0.00E+00	0.00E+00	4.15E-08	8.83E-09	5.60E-08	8.64E-09	3.85E-09	1.19E-07
1222	489885.89	3858926.54	3.74E-04	4.31E-04	1.99E-04	1.29E-07	3.91E-07	2.26E-07	2.61E-07	2.37E-07	1.08E-07	4.98E-08	0.00E+00	0.00E+00	4.16E-08	8.86E-09	5.62E-08	8.67E-09	3.86E-09	1.19E-07
1223	489935.89	3858926.54	3.75E-04	4.33E-04	2.00E-04	1.30E-07	3.92E-07	2.27E-07	2.62E-07	2.38E-07	1.08E-07	5.00E-08	0.00E+00	0.00E+00	4.18E-08	8.90E-09	5.65E-08	8.71E-09	3.87E-09	1.20E-07
1224	489985.89	3858926.54	3.77E-04	4.36E-04	2.01E-04	1.31E-07	3.95E-07	2.28E-07	2.64E-07	2.39E-07	1.09E-07	5.03E-08	0.00E+00	0.00E+00	4.20E-08	8.95E-09	5.68E-08	8.75E-09	3.89E-09	1.20E-07
1225	490035.89	3858926.54	3.80E-04	4.39E-04	2.02E-04	1.32E-07	3.97E-07	2.30E-07	2.65E-07	2.41E-07	1.10E-07	5.06E-08	0.00E+00	0.00E+00	4.23E-08	9.01E-09	5.71E-08	8.81E-09	3.92E-09	1.21E-07
1226	489335.89	3858976.54	3.69E-04	4.25E-04	1.97E-04	1.28E-07	3.85E-07	2.23E-07	2.57E-07	2.33E-07	1.06E-07	4.92E-08	0.00E+00	0.00E+00	4.10E-08	8.73E-09	5.54E-08	8.54E-09	3.81E-09	1.18E-07
1227	489385.89	3858976.54	3.66E-04	4.23E-04	1.95E-04	1.27E-07	3.83E-07	2.22E-07	2.56E-07	2.32E-07	1.06E-07	4.89E-08	0.00E+00	0.00E+00	4.08E-08	8.68E-09	5.51E-08	8.49E-09	3.79E-09	1.17E-07
1228	489435.89	3858976.54	3.64E-04	4.20E-04	1.94E-04	1.26E-07	3.80E-07	2.20E-07	2.54E-07	2.30E-07	1.05E-07	4.86E-08	0.00E+00	0.00E+00	4.05E-08	8.62E-09	5.47E-08	8.44E-09	3.76E-09	1.16E-07
1229	489485.89	3858976.54	3.62E-04	4.18E-04	1.93E-04	1.25E-07	3.78E-07	2.19E-07	2.53E-07	2.29E-07	1.05E-07	4.83E-08	0.00E+00	0.00E+00	4.03E-08	8.58E-09	5.44E-08	8.40E-09	3.74E-09	1.15E-07
1230	489535.89	3858976.54	3.61E-04	4.16E-04	1.92E-04	1.25E-07	3.77E-07	2.18E-07	2.52E-07	2.28E-07	1.04E-07	4.82E-08	0.00E+00	0.00E+00	4.02E-08	8.55E-09	5.42E-08	8.36E-09	3.73E-09	1.15E-07
1231	489585.89	3858976.54	3.59E-04	4.15E-04	1.92E-04	1.24E-07	3.76E-07	2.18E-07	2.51E-07	2.27E-07	1.04E-07	4.80E-08	0.00E+00	0.00E+00	4.00E-08	8.52E-09	5.41E-08	8.34E-09	3.72E-09	1.15E-07
1232	489635.89	3858976.54	3.59E-04	4.14E-04	1.91E-04	1.24E-07	3.75E-07	2.17E-07	2.50E-07	2.27E-07	1.04E-07	4.79E-08	0.00E+00	0.00E+00	3.99E-08	8.50E-09	5.39E-08	8.32E-09	3.71E-09	1.14E-07
1233	489685.89	3858976.54	3.59E-04	4.14E-04	1.91E-04	1.24E-07	3.75E-07	2.17E-07	2.50E-07	2.27E-07	1.04E-07	4.79E-08	0.00E+00	0.00E+00	3.99E-08	8.50E-09	5.39E-08	8.31E-09	3.71E-09	1.14E-07
1234	489735.89	3858976.54	3.58E-04	4.13E-04	1.91E-04	1.24E-07	3.75E-07	2.17E-07	2.50E-07	2.27E-07	1.03E-07	4.78E-08	0.00E+00	0.00E+00	3.99E-08	8.49E-09	5.39E-08	8.31E-09	3.70E-09	1.14E-07
1235	489785.89	3858976.54	3.58E-04	4.14E-04	1.91E-04	1.24E-07	3.75E-07	2.17E-07	2.50E-07	2.27E-07	1.03E-07	4.78E-08	0.00E+00	0.00E+00	3.99E-08	8.49E-09	5.39E-08	8.31E-09	3.70E-09	1.14E-07
1236	489835.89	3858976.54	3.59E-04	4.14E-04	1.91E-04	1.24E-07	3.75E-07	2.17E-07	2.50E-07	2.27E-07	1.04E-07	4.79E-08	0.00E+00	0.00E+00	3.99E-08	8.50E-09	5.40E-08	8.32E-09	3.71E-09	1.14E-07
1237	489885.89	3858976.54	3.60E-04	4.15E-04	1.92E-04	1.25E-07	3.76E-07	2.18E-07	2.51E-07	2.28E-07	1.04E-07	4.80E-08	0.00E+00	0.00E+00	4.01E-08	8.53E-09	5.41E-08	8.35E-09	3.72E-09	1.15E-07
1238	489935.89	3858976.54	3.61E-04	4.17E-04	1.92E-04	1.25E-07	3.77E-07	2.19E-07	2.52E-07	2.29E-07	1.04E-07	4.82E-08	0.00E+00	0.00E+00	4.02E-08	8.56E-09	5.43E-08	8.38E-09	3.73E-09	1.15E-07
1239	489985.89	3858976.54	3.63E-04	4.18E-04	1.93E-04	1.26E-07	3.79E-07	2.19E-07	2.53E-07	2.30E-07	1.05E-07	4.83E-08	0.00E+00	0.00E+00	4.04E-08	8.59E-09	5.45E-08	8.41E-09	3.74E-09	1.16E-07
1240	490035.89	3858976.54	3.66E-04	4.22E-04	1.95E-04	1.27E-07	3.82E-07	2.21E-07	2.55E-07	2.31E-07	1.06E-07	4.87E-08	0.00E+00	0.00E+00	4.07E-08	8.67E-09	5.50E-08	8.48E-09	3.77E-09	1.17E-07
1241	489385.89	3859026.54	3.58E-04	4.13E-04	1.91E-04	1.24E-07	3.74E-07	2.17E-07	2.50E-07	2.27E-07	1.03E-07	4.78E-08	0.00E+00	0.00E+00	3.99E-08	8.48E-09	5.38E-08	8.30E-09	3.70E-09	1.14E-07
1242	489435.89	3859026.54	3.56E-04	4.10E-04	1.90E-04	1.23E-07	3.72E-07	2.15E-07	2.48E-07	2.25E-07	1.03E-07	4.75E-08	0.00E+00	0.00E+00	3.96E-08	8.42E-09	5.35E-08	8.24E-09	3.68E-09	1.13E-07
1243	489485.89	3859026.54	3.53E-04	4.08E-04	1.89E-04	1.22E-07	3.69E-07	2.14E-07	2.47E-07	2.24E-07	1.02E-07	4.72E-08	0.00E+00	0.00E+00	3.93E-08	8.37E-09	5.31E-08	8.19E-09	3.66E-09	1.13E-07
1244	489535.89	3859026.54	3.51E-04	4.05E-04	1.88E-04	1.22E-07	3.67E-07	2.13E-07	2.45E-07	2.22E-07	1.01E-07	4.70E-08	0.00E+00	0.00E+00	3.91E-08	8.33E-09	5.28E-08	8.15E-09	3.64E-09	1.12E-07
1245	489585.89	3859026.54	3.50E-04	4.04E-04	1.87E-04	1.21E-07	3.66E-07	2.12E-07	2.44E-07	2.21E-07	1.01E-07	4.68E-08	0.00E+00	0.00E+00	3.90E-08	8.29E-09	5.26E-08	8.12E-09	3.62E-09	1.12E-07
1246	489635.89	3859026.54	3.49E-04	4.02E-04	1.86E-04	1.21E-07	3.65E-07	2.11E-07	2.43E-07	2.21E-07	1.01E-07	4.66E-08	0.00E+00	0.00E+00	3.88E-08	8.26E-09	5.24E-08	8.09E-09	3.61E-09	1.11E-07
1247	489685.89	3859026.54	3.48E-04	4.01E-04	1.86E-04	1.20E-07	3.64E-07	2.10E-07	2.43E-07	2.20E-07	1.00E-07	4.65E-08	0.00E+00	0.00E+00	3.87E-08	8.24E-09	5.23E-08	8.06E-09	3.60E-09	1.11E-07
1248	489735.89	3859026.54	3.47E-04	4.00E-04	1.85E-04	1.20E-07	3.63E-07	2.10E-07	2.42E-07	2.20E-07	1.00E-07	4.64E-08	0.00E+00	0.00E+00	3.86E-08	8.22E-09	5.22E-08	8.05E-09	3.59E-09	1.11E-07
1249	489785.89	3859026.54	3.47E-04	4.00E-04	1.85E-04	1.20E-07	3.62E-07	2.10E-07	2.42E-07	2.19E-07	1.00E-07	4.63E-08	0.00E+00	0.00E+00	3.86E-08	8.21E-09	5.21E-08	8.04E-09	3.59E-09	1.11E-07
1250	489835.89	3859026.54	3.47E-04	4.00E-04	1.85E-04	1.20E-07	3.63E-07	2.10E-07	2.42E-07	2.20E-07	1.00E-07	4.63E-08	0.00E+00	0.00E+00	3.86E-08	8.22E-09	5.22E-08	8.05E-09	3.59E-09	1.11E-07
1251	489885.89	3859026.54	3.47E-04	4.01E-04	1.85E-04	1.20E-07	3.63E-07	2.10E-07	2.43E-07	2.20E-07	1.00E-07	4.64E-08	0.00E+00	0.00E+00	3.87E-08	8.23E-09	5.22E-08	8.06E-09	3.59E-09	1.11E-07
1252	489935.89	3859026.54	3.48E-04	4.02E-04	1.86E-04	1.21E-07	3.64E-07	2.11E-07	2.43E-07	2.20E-07	1.01E-07	4.65E-08	0.00E+00	0.00E+00	3.88E-08	8.25E-09	5.24E-08	8.08E-09	3.60E-09	1.11E-07
1253	489985.89	3859026.54	3.49E-04	4.03E-04	1.86E-04	1.21E-07	3.65E-07	2.11E-07	2.44E-07	2.21E-07	1.01E-07	4.66E-08	0.00E+00	0.00E+00	3.89E-08	8.28E-09	5.25E-08	8.10E-09	3.61E-09	1.11E-07

1254	490035.89	3859026.54	3.52E-04	4.07E-04	1.88E-04	1.22E-07	3.68E-07	2.13E-07	2.46E-07	2.23E-07	1.02E-07	4.70E-08	0.00E+00	0.00E+00	3.92E-08	8.35E-09	5.30E-08	8.17E-09	3.64E-09	1.12E-07
1255	489485.89	3859076.54	3.46E-04	3.99E-04	1.85E-04	1.20E-07	3.61E-07	2.09E-07	2.41E-07	2.19E-07	9.98E-08	4.63E-08	0.00E+00	0.00E+00	3.85E-08	8.19E-09	5.20E-08	8.01E-09	3.58E-09	1.10E-07
1256	489535.89	3859076.54	3.44E-04	3.96E-04	1.84E-04	1.19E-07	3.59E-07	2.08E-07	2.40E-07	2.17E-07	9.92E-08	4.60E-08	0.00E+00	0.00E+00	3.82E-08	8.14E-09	5.16E-08	7.96E-09	3.56E-09	1.10E-07
1257	489585.89	3859076.54	3.42E-04	3.94E-04	1.83E-04	1.18E-07	3.57E-07	2.07E-07	2.38E-07	2.16E-07	9.86E-08	4.57E-08	0.00E+00	0.00E+00	3.80E-08	8.09E-09	5.14E-08	7.92E-09	3.54E-09	1.09E-07
1258	489635.89	3859076.54	3.40E-04	3.92E-04	1.82E-04	1.18E-07	3.55E-07	2.06E-07	2.37E-07	2.15E-07	9.81E-08	4.54E-08	0.00E+00	0.00E+00	3.78E-08	8.05E-09	5.11E-08	7.88E-09	3.52E-09	1.08E-07
1259	489685.89	3859076.54	3.38E-04	3.90E-04	1.81E-04	1.17E-07	3.54E-07	2.05E-07	2.36E-07	2.14E-07	9.76E-08	4.52E-08	0.00E+00	0.00E+00	3.77E-08	8.01E-09	5.08E-08	7.84E-09	3.50E-09	1.08E-07
1260	489735.89	3859076.54	3.37E-04	3.89E-04	1.80E-04	1.17E-07	3.52E-07	2.04E-07	2.35E-07	2.13E-07	9.73E-08	4.51E-08	0.00E+00	0.00E+00	3.75E-08	7.99E-09	5.07E-08	7.82E-09	3.49E-09	1.08E-07
1261	489785.89	3859076.54	3.36E-04	3.88E-04	1.80E-04	1.16E-07	3.52E-07	2.04E-07	2.35E-07	2.13E-07	9.71E-08	4.50E-08	0.00E+00	0.00E+00	3.74E-08	7.97E-09	5.06E-08	7.80E-09	3.48E-09	1.07E-07
1262	489835.89	3859076.54	3.36E-04	3.88E-04	1.79E-04	1.16E-07	3.51E-07	2.03E-07	2.35E-07	2.13E-07	9.70E-08	4.49E-08	0.00E+00	0.00E+00	3.74E-08	7.96E-09	5.05E-08	7.79E-09	3.48E-09	1.07E-07
1263	489885.89	3859076.54	3.36E-04	3.88E-04	1.79E-04	1.16E-07	3.51E-07	2.03E-07	2.35E-07	2.13E-07	9.71E-08	4.49E-08	0.00E+00	0.00E+00	3.74E-08	7.96E-09	5.05E-08	7.79E-09	3.48E-09	1.07E-07
1264	489935.89	3859076.54	3.36E-04	3.88E-04	1.80E-04	1.16E-07	3.52E-07	2.04E-07	2.35E-07	2.13E-07	9.71E-08	4.49E-08	0.00E+00	0.00E+00	3.75E-08	7.97E-09	5.06E-08	7.80E-09	3.48E-09	1.07E-07
1265	489985.89	3859076.54	3.37E-04	3.89E-04	1.80E-04	1.17E-07	3.52E-07	2.04E-07	2.35E-07	2.13E-07	9.74E-08	4.50E-08	0.00E+00	0.00E+00	3.75E-08	7.99E-09	5.07E-08	7.82E-09	3.49E-09	1.08E-07
1266	490035.89	3859076.54	3.39E-04	3.92E-04	1.81E-04	1.18E-07	3.55E-07	2.05E-07	2.37E-07	2.15E-07	9.80E-08	4.53E-08	0.00E+00	0.00E+00	3.78E-08	8.04E-09	5.10E-08	7.87E-09	3.51E-09	1.08E-07
1267	489585.89	3859126.54	3.34E-04	3.85E-04	1.79E-04	1.16E-07	3.49E-07	2.02E-07	2.33E-07	2.11E-07	9.64E-08	4.47E-08	0.00E+00	0.00E+00	3.72E-08	7.91E-09	5.02E-08	7.74E-09	3.46E-09	1.06E-07
1268	489635.89	3859126.54	3.32E-04	3.83E-04	1.77E-04	1.15E-07	3.47E-07	2.01E-07	2.31E-07	2.10E-07	9.57E-08	4.44E-08	0.00E+00	0.00E+00	3.69E-08	7.86E-09	4.99E-08	7.69E-09	3.44E-09	1.06E-07
1269	489685.89	3859126.54	3.30E-04	3.81E-04	1.76E-04	1.14E-07	3.45E-07	2.00E-07	2.30E-07	2.09E-07	9.52E-08	4.42E-08	0.00E+00	0.00E+00	3.67E-08	7.81E-09	4.96E-08	7.65E-09	3.42E-09	1.05E-07
1270	489735.89	3859126.54	3.28E-04	3.79E-04	1.76E-04	1.14E-07	3.43E-07	1.99E-07	2.29E-07	2.08E-07	9.48E-08	4.39E-08	0.00E+00	0.00E+00	3.66E-08	7.78E-09	4.94E-08	7.61E-09	3.40E-09	1.05E-07
1271	489785.89	3859126.54	3.27E-04	3.77E-04	1.75E-04	1.13E-07	3.42E-07	1.98E-07	2.28E-07	2.07E-07	9.45E-08	4.38E-08	0.00E+00	0.00E+00	3.64E-08	7.75E-09	4.92E-08	7.58E-09	3.39E-09	1.04E-07
1272	489835.89	3859126.54	3.26E-04	3.77E-04	1.74E-04	1.13E-07	3.41E-07	1.98E-07	2.28E-07	2.07E-07	9.42E-08	4.37E-08	0.00E+00	0.00E+00	3.63E-08	7.73E-09	4.91E-08	7.57E-09	3.38E-09	1.04E-07
1273	489885.89	3859126.54	3.26E-04	3.76E-04	1.74E-04	1.13E-07	3.41E-07	1.97E-07	2.28E-07	2.06E-07	9.42E-08	4.36E-08	0.00E+00	0.00E+00	3.63E-08	7.73E-09	4.90E-08	7.56E-09	3.38E-09	1.04E-07
1274	489935.89	3859126.54	3.26E-04	3.76E-04	1.74E-04	1.13E-07	3.41E-07	1.97E-07	2.28E-07	2.06E-07	9.41E-08	4.36E-08	0.00E+00	0.00E+00	3.63E-08	7.72E-09	4.90E-08	7.56E-09	3.37E-09	1.04E-07
1275	489985.89	3859126.54	3.27E-04	3.77E-04	1.74E-04	1.13E-07	3.42E-07	1.98E-07	2.28E-07	2.07E-07	9.44E-08	4.37E-08	0.00E+00	0.00E+00	3.64E-08	7.74E-09	4.91E-08	7.58E-09	3.38E-09	1.04E-07
1276	490035.89	3859126.54	3.28E-04	3.78E-04	1.75E-04	1.13E-07	3.43E-07	1.98E-07	2.29E-07	2.07E-07	9.46E-08	4.38E-08	0.00E+00	0.00E+00	3.65E-08	7.77E-09	4.93E-08	7.60E-09	3.39E-09	1.05E-07
1277	489585.89	3859176.54	3.27E-04	3.77E-04	1.75E-04	1.13E-07	3.42E-07	1.98E-07	2.28E-07	2.07E-07	9.44E-08	4.39E-08	0.00E+00	0.00E+00	3.64E-08	7.75E-09	4.92E-08	7.58E-09	3.40E-09	1.04E-07
1278	489635.89	3859176.54	3.25E-04	3.74E-04	1.74E-04	1.12E-07	3.39E-07	1.97E-07	2.27E-07	2.05E-07	9.37E-08	4.35E-08	0.00E+00	0.00E+00	3.62E-08	7.69E-09	4.88E-08	7.53E-09	3.37E-09	1.04E-07
1279	489685.89	3859176.54	3.22E-04	3.72E-04	1.73E-04	1.12E-07	3.37E-07	1.95E-07	2.25E-07	2.04E-07	9.31E-08	4.32E-08	0.00E+00	0.00E+00	3.59E-08	7.64E-09	4.85E-08	7.47E-09	3.35E-09	1.03E-07
1280	489735.89	3859176.54	3.20E-04	3.70E-04	1.72E-04	1.11E-07	3.35E-07	1.94E-07	2.24E-07	2.03E-07	9.25E-08	4.29E-08	0.00E+00	0.00E+00	3.57E-08	7.59E-09	4.82E-08	7.43E-09	3.32E-09	1.02E-07
1281	489785.89	3859176.54	3.19E-04	3.68E-04	1.71E-04	1.10E-07	3.34E-07	1.93E-07	2.23E-07	2.02E-07	9.21E-08	4.27E-08	0.00E+00	0.00E+00	3.55E-08	7.56E-09	4.80E-08	7.40E-09	3.31E-09	1.02E-07
1282	489835.89	3859176.54	3.18E-04	3.67E-04	1.70E-04	1.10E-07	3.32E-07	1.92E-07	2.22E-07	2.01E-07	9.18E-08	4.26E-08	0.00E+00	0.00E+00	3.54E-08	7.53E-09	4.78E-08	7.37E-09	3.29E-09	1.01E-07
1283	489885.89	3859176.54	3.17E-04	3.66E-04	1.70E-04	1.10E-07	3.32E-07	1.92E-07	2.21E-07	2.01E-07	9.16E-08	4.24E-08	0.00E+00	0.00E+00	3.53E-08	7.51E-09	4.77E-08	7.35E-09	3.29E-09	1.01E-07
1284	489935.89	3859176.54	3.17E-04	3.65E-04	1.69E-04	1.10E-07	3.31E-07	1.92E-07	2.21E-07	2.00E-07	9.14E-08	4.23E-08	0.00E+00	0.00E+00	3.52E-08	7.50E-09	4.76E-08	7.34E-09	3.28E-09	1.01E-07
1285	489985.89	3859176.54	3.17E-04	3.66E-04	1.69E-04	1.10E-07	3.31E-07	1.92E-07	2.21E-07	2.01E-07	9.15E-08	4.24E-08	0.00E+00	0.00E+00	3.53E-08	7.51E-09	4.76E-08	7.35E-09	3.28E-09	1.01E-07
1286	490035.89	3859176.54	3.17E-04	3.66E-04	1.69E-04	1.10E-07	3.31E-07	1.92E-07	2.21E-07	2.00E-07	9.15E-08	4.23E-08	0.00E+00	0.00E+00	3.53E-08	7.51E-09	4.76E-08	7.35E-09	3.28E-09	1.01E-07
1287	489685.89	3859226.54	3.16E-04	3.64E-04	1.69E-04	1.09E-07	3.30E-07	1.91E-07	2.20E-07	2.00E-07	9.12E-08	4.24E-08	0.00E+00	0.00E+00	3.52E-08	7.48E-09	4.75E-08	7.32E-09	3.28E-09	1.01E-07
1288	489735.89	3859226.54	3.14E-04	3.62E-04	1.68E-04	1.09E-07	3.28E-07	1.90E-07	2.19E-07	1.98E-07	9.05E-08	4.20E-08	0.00E+00	0.00E+00	3.49E-08	7.42E-09	4.71E-08	7.27E-09	3.25E-09	1.00E-07
1289	489785.89	3859226.54	3.12E-04	3.59E-04	1.67E-04	1.08E-07	3.26E-07	1.89E-07	2.17E-07	1.97E-07	9.00E-08	4.18E-08	0.00E+00	0.00E+00	3.47E-08	7.38E-09	4.68E-08	7.22E-09	3.23E-09	9.94E-08
1290	489835.89	3859226.54	3.10E-04	3.58E-04	1.66E-04	1.07E-07	3.24E-07	1.88E-07	2.17E-07	1.96E-07	8.96E-08	4.16E-08	0.00E+00	0.00E+00	3.45E-08	7.35E-09	4.66E-08	7.19E-09	3.22E-09	9.90E-08
1291	489885.89	3859226.54	3.09E-04	3.57E-04	1.65E-04	1.07E-07	3.23E-07	1.87E-07	2.16E-07	1.96E-07	8.92E-08	4.14E-08	0.00E+00	0.00E+00	3.44E-08	7.32E-09	4.65E-08	7.17E-09	3.21E-09	9.86E-08
1292	489935.89	3859226.54	3.08E-04	3.56E-04	1.65E-04	1.07E-07	3.22E-07	1.87E-07	2.15E-07	1.95E-07	8.90E-08	4.13E-08	0.00E+00	0.00E+00	3.43E-08	7.30E-09	4.63E-08	7.15E-09	3.20E-09	9.83E-08
1293	489985.89	3859226.54	3.08E-04	3.56E-04	1.65E-04	1.07E-07	3.22E-07	1.87E-07	2.15E-07	1.95E-07	8.91E-08	4.13E-08	0.00E+00	0.00E+00	3.43E-08	7.31E-09	4.64E-08	7.15E-09	3.20E-09	9.84E-08
1294	490035.89	3859226.54	3.08E-04	3.55E-04	1.64E-04	1.07E-07	3.22E-07	1.86E-07	2.15E-07	1.95E-07	8.89E-08	4.12E-08	0.00E+00	0.00E+00	3.43E-08	7.29E-09	4.63E-08	7.14E-09	3.19E-09	9.82E-08
1295	489735.89	3859276.54	3.07E-04	3.54E-04	1.65E-04	1.06E-07	3.21E-07	1.86E-07	2.14E-07	1.94E-07	8.87E-08	4.12E-08	0.00E+00	0.00E+00	3.42E-08	7.28E-09	4.62E-08	7.12E-09	3.19E-09	9.80E-08
1296	489785.89	3859276.54	3.05E-04	3.52E-04	1.64E-04	1.06E-07	3.19E-07	1.85E-07	2.13E-07	1.93E-07	8.80E-08	4.09E-08	0.00E+00	0.00E+00	3.40E-08	7.23E-09	4.58E-08	7.07E-09	3.17E-09	9.73E-08
1297	489835.89	3859276.54	3.04E-04	3.50E-04	1.63E-04	1.05E-07	3.17E-07	1.84E-07	2.12E-07	1.92E-07	8.76E-08	4.07E-08	0.00E+00	0.00E+00	3.38E-08	7.19E-09	4.56E-08	7.03E-09	3.15E-09	9.68E-08
1298	489885.89	3859276.54	3.02E-04	3.48E-04	1.62E-04	1.05E-07	3.16E-07	1.83E-07	2.11E-07	1.91E-07	8.71E-08	4.05E-08	0.00E+00	0.00E+00	3.36E-08	7.15E-09	4.54E-08	7.00E-09	3.13E-09	9.63E-08
1299	489935.89	3859276.54	3.01E-04	3.47E-04	1.61E-04	1.04E-07	3.15E-07	1.82E-07	2.10E-07	1.90E-07	8.69E-08	4.03E-08	0.00E+00	0.00E+00	3.35E-08	7.13E-09	4.52E-08	6.97E-09	3.12E-09	9.59E-08
1300	489985.89	3859276.54	3.01E-04	3.47E-04	1.61E-04	1.04E-07	3.14E-07	1.82E-07	2.10E-07	1.90E-07	8.68E-08	4.03E-08	0.00E+00	0.00E+00	3.35E-08	7.13E-09	4.52E-08	6.97E-09	3.12E-09	9.59E-08
1301	490035.89	3859276.54	2.99E-04	3.45E-04	1.60E-04	1.04E-07	3.13E-07	1.81E-07	2.09E-07	1.89E-07	8.64E-08	4.01E-08	0.00E+00	0.00E+00	3.33E-08	7.09E-09	4.50E-08	6.94E-09	3.10E-09	9.55E-08
1302	490458.06	3859590.74	2.50E-04	2.88E-04	1.33E-04	8.65E-08	2.61E-07	1.51E-07	1.74E-07	1.58E-07	7.21E-08	3.34E-08	0.00E+00	0.00E+00	2.78E-08	5.92E-09	3.76E-08	5.79E-09	2.59E-09	7.97E-08
1303	490508.06	3859590.74	2.50E-04	2.88E-04	1.33E-04	8.65E-08	2.61E-07	1.51E-07	1.74E-07	1.58E-07	7.21E-08	3.34E-08	0.00E+00	0.00E+00	2.78E-08	5.92E-09	3.76E-08	5.79E-09	2.59E-09	7.97E-08
1304	490558.06	3859590.74	2.50E-04	2.88E-04	1.33E-04	8.65E-08	2.61E-07	1.51E-07	1.75E-07	1.58E-07	7.22E-08	3.34E-08	0.00E+00	0.00E+00	2.78E-08	5.92E-09	3.76E-08	5.80E-09	2.59E-09	7.97E-08
1305	490608.06	3859590.74	2.50E-04	2.89E-04	1.34E-04	8.67E-08	2.62E-07	1.51E-07	1.75E-07	1.58E-07	7.23E-08	3.34E-08	0.00E+00	0.00E+00	2.79E-08	5.93E-09	3.76E-08	5.81E-09	2.59E-09	7.98E-08
1306	490658.06	3859590.74	2.51E-04	2.89E-04	1.34E-04	8.68E-08	2.62E-07	1.52E-07	1.75E-07	1.59E-07	7.24E-08	3.35E-08	0.00E+00	0.00E+00	2.79E-08	5.94E-09	3.77E-08	5.82E-09	2.59E-09	8.00E-08
1307	490708.06	3859590.74	2.51E-04	2.90E-04	1.34E-04	8.70E-08	2.63E-07	1.52E-07	1.76E-07	1.59E-07	7.26E-08	3.35E-08	0.00E+00	0.00E+00	2.80E-08	5.96E-09	3.78E-08	5.83E-09	2.60E-09	8.02E-08
1308	490758.06	3859590.74	2.52E-04	2.91E-04	1.34E-04	8.73E-08	2.64E-07	1.53E-07	1.76E-07	1.60E-07	7.28E-08	3.36E-08	0.00E+00	0.00E+00	2.81E-08	5.98E-09	3.79E-08	5.85E-09	2.60E-09	8.04E-08
1309	490808.06	3859590.74	2.53E-04	2.92E-04	1.35E-04	8.75E-08	2.64E-07	1.53E-07	1.77E-07	1.60E-07	7.30E-08	3.37E-08	0.00E+00	0.00E+00	2.81E-08	5.99E-09	3.80E-08	5.87E-09	2.61E-09	8.07E-08
1310	490858.06	3859590.74	2.54E-04	2.93E-04	1.35E-04	8.78E-08	2.65E-07	1.54E-07	1.77E-07	1.61E-07	7.33E-08	3.38E-08	0.00E+00	0.00E+00	2.82E-08	6.01E-09	3.82E-08	5.88E-09	2.62E-09	8.09E-08
1311	490458.06	3859640.74	2.44E-04	2.81E-04	1.30E-04	8.43E-08	2.55E-07	1.47E-07	1.70E-07	1.54E-07	7.03E-08	3.26E-08	0.00E+00	0.00E+00	2.71E-08	5.77E-09	3.66E-08	5.65E-09	2.52E-09	7.77E-08
1312	490508.06	3859640.74	2.43E-04	2.81E-04	1.30E-04	8.42E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.03E-08	3.25E-08	0.00E+00	0.00E+00	2.71E-08	5.76E-09	3.66E-08	5.64E-09	2.52E-09	7.76E-08
1313	490558.06	3859640.74	2.43E-04	2.81E-04	1.30E-04	8.42E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.02E-08	3.25E-08	0.00E+00	0.00E+00	2.71E-08	5.76E-09	3.66E-08	5.64E-09	2.52E-09	7.76E-08
1314	490608.06	3859640.74	2.43E-04	2.81E-04	1.30E-04	8.43E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.03E-08	3.25E-08	0.00E+00	0.00E+00	2.71E-08	5.77E-09	3.66E-08	5.65E-09	2.52E-09	7.76E-08
1315	490658.06	3859640.74	2.44E-04	2.81E-04	1.30E-04	8.44E-08	2.55E-07	1.48E-07	1.70E-07	1.54E-07	7.04E-08	3.26E-08	0.00E+00	0.00E+00	2.72E-08	5.78E-09	3.67E-08	5.66E-09	2.52E-09	7.78E-08
1316	490708.06	3859640.74	2.44E-04	2.82E-04	1.30E-04	8.46E-08	2.55E-07	1.48E-07	1.71E-07	1.55E-07	7.06E-08	3.26E-08	0.00E+00	0.00E+00	2.72E-08	5.79E-09	3.67E-08	5.67E-09	2.52E-09	7.79E-08
1317	490758.06	3859640.74	2.45E-04	2.83E-04	1.30E-04	8.48E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.07E-08	3.26E-08	0.00E+00	0.00E+00	2.73E-08	5.80E-09	3.68E-08	5.68E-09	2.53E-09	7.81E-08
1318	490808.06	3859640.74	2.45E-04	2.83E-04	1.31E-04	8.49E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.09E-08	3.27E-08	0.00E+00	0.00E+00	2.73E-08	5.81E-09	3.69E-08	5.69E-09	2.53E-09	7.82E-08
1319	490858.06	3859640.74	2.46E-04	2.84E-04	1.31E-04	8.51E-08	2.57E-07	1.49E-07	1.72E-07	1.56E-07	7.10E-08	3.27E-08	0.00E+00	0.00E+00	2.74E-08	5.83E-09	3.70E-08	5.70E-09	2.54E-09	7.84E-08
1320	490608.06	3859690.74	2.37E-04	2.74E-04	1.27E-04	8.21E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.85E-08	3.17E-08	0.00E+00	0.00E+00	2.64E-08	5.62E-09	3.57E-08	5.50E-09	2.45E-09	7.57E-08
1321	490658.06	3859690.74	2.38E-04	2.74E-04	1.27E-04	8.22E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.86E-08	3.17E-08	0.00E+00	0.00E+00	2.64E-08	5.63E-09	3.57E-08	5.51E-09	2.45E-09	7.57E-08
1322	490708.06	3859690.74	2.38E-04	2.74E-04	1.27E-04	8.23E-08	2.49E-07	1.44E-07	1.66E-07	1.50E-07	6.87E-08	3.17E-08	0.00E+00	0.00E+00	2.65E-08	5.64E-09	3.58E-08	5.51E-09	2.46E-09	7.58E-08
1323	490758.06	3859690.74	2.38E-04	2.75E-04	1.27E-04	8.24E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.88E-08	3.18E-08	0.00E+00	0.00E+00	2.65E-08	5.65E-09	3.58E-08	5.52E-09	2.46E-09	7.60E-08
1324	490808.06	3859690.74	2.39E-04	2.75E-04	1.27E-04	8.26E-08	2.49E-07	1.44E-07	1.67E-07	1.51E-07	6.89E-08	3.18E-08	0.00E+00	0.00E+00	2.66E-08	5.65E-09	3.59E-08	5.53E-09	2.46E-09	7.61E-08
1325	490858.06	3859690.74	2.39E-04	2.75E-04	1.27E-04	8.26E-08	2.49E-07	1.44E-07	1.67E-07	1.51E-07	6.89E-08	3.18E-08	0.00E+00	0.00E+00	2.66E-08	5.66E-09	3.59E-08	5.53E-09	2.46E-09	7.61E-08
1326	490708.06	3859740.74	2.32E-04	2.67E-04	1.23E-04	8.02E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.09E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.39E-09	7.39E-08
1327	490758.06	3859740.74	2.31E-04	2.67E-04	1.23E-04	8.01E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.09E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.39E-09	7.38E-08
1328	490808.06	3859740.74	2.32E-04	2.67E-04	1.23E-04	8.02E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.09E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.39E-09	7.39E-08
1329	490858.06	3859740.74	2.32E-04	2.67E-04	1.23E-04	8.02E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.09E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.39E-09	7.39E-08
1330	490786.56	3859749.39	2.30E-04	2.66E-04	1.23E-04	7.98E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.07E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.38E-09	7.35E-08
1331	490836.56	3859749.39	2.31E-04	2.66E-04	1.23E-04	7.98E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.66E-08	3.07E-08	0.00E+00	0.00E+00	2.57E-08	5.46E-09	3.47E-08	5.35E-09	2.38E-09	7.35E-08
1332	490786.56	3859799.39	2.24E-04	2.59E-04	1.19E-04	7.76E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	2.99E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.37E-08	5.20E-09	2.31E-09	7.15E-08
1333	490836.56	3859799.39	2.24E-04	2.59E-04	1.19E-04	7.77E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	2.99E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.37E-08	5.20E-09	2.31E-09	7.15E-08
1334	492307.84	3854508.36	5.14E-04	5.95E-04	2.69E-04	1.78E-07	5.37E-07	3.11E-07	3.60E-07	3.26E-07	1.49E-07	6.73E-08	0.00E+00	0.00E+00	5.72E-08	1.22E-08	7.76E-08	1.20E-08	5.21E-09	1.64E-07
1335	486445.7	3854753.6	7.27E-04	8.42E-04	3.79E-04	2.52E-07	7.60E-07	4.40E-07	5.10E-07	4.62E-07	2.11E-07	9.50E-08	0.00E+00	0.00E+00	8.10E-08	1.73E-08	1.10E-07	1.69E-08	7.35E-09	2.32E-07
1336	472599.75	3877830.11	1.09E-05	1.25E-05	5.74E-06	3.76E-09	1.14E-08	6.57E-09	7.59E-09	6.88E-09	3.14E-09	1.44E-09	0.00E+00	0.00E+00	1.21E-09	2.58E-10	1.64E-09	2.52E-10	1.11E-10	3.47E-09
1337	493107.48	3866840.19	3.45E-05	3.99E-05	1.82E-05	1.19E-08	3.60E-08	2.09E-08	2.41E-08	2.19E-08	9.97E-09	4.54E-09	0.00E+00	0.00E+00	3.84E-09	8.19E-10	5.19E-09	8.01E-10	3.52E-10	1.10E-08
1338	495815.8	3861662.87	1.13E-04	1.30E-04	5.92E-05	3.90E-08	1.18E-07	6.82E-08	7.89E-08	7.15E-08	3.26E-08	1.48E-08	0.00E+00	0.00E+00	1.26E-08	2.68E-09	1.70E-08	2.62E-09	1.15E-09	3.60E-08
1339	480272.33	3841389.2	4.01E-06	4.60E-06	2.20E-06	1.39E-09	4.19E-09	2.42E-09	2.78E-09	2.52E-09	1.15E-09	5.52E-10	0.00E+00	0.00E+00	4.46E-10	9.45E-11	6.00E-10	9.25E-11	4.27E-11	1.28E-09
1340	497005.18	3862813.64	7.75E-05	8.97E-05	4.07E-05	2.68E-08	8.11E-08	4.69E-08	5.43E-08	4.92E-08	2.24E-08	1.02E-08	0.00E+00	0.00E+00	8.63E-09	1.84E-09	1.17E-08	1.80E-09	7.90E-10	2.48E-08
1341	493677.33	3860302.55	1.98E-04	2.29E-04	1.04E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.73E-08	2.61E-08	0.00E+00	0.00E+00	2.20E-08	4.70E-09	2.98E-08	4.60E-09	2.02E-09	6.32E-08
1342	493727.33	3860302.55	1.98E-04	2.29E-04	1.04E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.61E-08	0.00E+00	0.00E+00	2.20E-08	4.70E-09	2.98E-08	4.60E-09	2.02E-09	6.31E-08
1343	493777.33	3860302.55	1.98E-04	2.29E-04	1.04E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.61E-08	0.00E+00	0.00E+00	2.20E-08	4.70E-09	2.98E-08	4.59E-09	2.02E-09	6.31E-08
1344	493827.33	3860302.55	1.98E-04	2.28E-04	1.04E-04	6.84E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.61E-08	0.00E+00	0.00E+00	2.20E-08	4.69E-09	2.98E-08	4.59E-09	2.02E-09	6.31E-08
1345	493877.33	3860302.55	1.97E-04	2.28E-04	1.04E-04	6.83E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.71E-08	2.60E-08	0.00E+00	0.00E+00	2.20E-08	4.69E-09	2.97E-08	4.59E-09	2.02E-09	6.30E-08
1346	493927.33	3860302.55	1.97E-04	2.28E-04	1.04E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.68E-09	2.97E-08	4.58E-09	2.01E-09	6.29E-08
1347	493977.33	3860302.55	1.97E-04	2.28E-04	1.04E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.68E-09	2.97E-08	4.58E-09	2.01E-09	6.29E-08
1348	494027.33	3860302.55	1.97E-04	2.28E-04	1.04E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.97E-08	4.57E-09	2.01E-09	6.28E-08
1349	493677.33	3860352.55	1.94E-04	2.24E-04	1.02E-04	6.70E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.92E-08	4.50E-09	1.98E-09	6.18E-08
1350	493727.33	3860352.55	1.93E-04	2.24E-04	1.02E-04	6.70E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.98E-09	6.17E-08
1351	493777.33	3860352.55	1.93E-04	2.24E-04	1.02E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.59E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.98E-09	6.17E-08
1352	493827.33	3860352.55	1.93E-04	2.23E-04	1.02E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.59E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.97E-09	6.17E-08
1353	493877.33	3860352.55	1.93E-04	2.23E-04	1.02E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.59E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.97E-09	6.17E-08
1354	493927.33	3860352.55	1.93E-04	2.23E-04	1.02E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.59E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.97E-09	6.17E-08
1355	493977.33	3860352.55	1.93E-04	2.24E-04	1.02E-04	6.70E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.98E-09	6.17E-08
1356	494027.33	3860352.55	1.93E-04	2.23E-04	1.02E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.59E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.97E-09	6.17E-08
1357	493677.33	3860402.55	1.89E-04	2.18E-04	9.95E-05	6.54E-08	1.97E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.49E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.39E-09	1.93E-09	6.02E-08
1358	493727.33	3860402.55	1.89E-04	2.18E-04	9.95E-05	6.54E-08	1.97E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.49E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.39E-09	1.93E-09	6.03E-08

1359	493777.33	3860402.55	1.89E-04	2.19E-04	9.98E-05	6.55E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.48E-08	2.50E-08	0.00E+00	0.00E+00	2.11E-08	4.49E-09	2.85E-08	4.40E-09	1.93E-09	6.04E-08
1360	493827.33	3860402.55	1.89E-04	2.19E-04	9.97E-05	6.55E-08	1.98E-07	1.14E-07	1.32E-07	1.20E-07	5.47E-08	2.49E-08	0.00E+00	0.00E+00	2.11E-08	4.49E-09	2.85E-08	4.39E-09	1.93E-09	6.04E-08
1361	493877.33	3860402.55	1.89E-04	2.19E-04	9.96E-05	6.55E-08	1.98E-07	1.14E-07	1.32E-07	1.20E-07	5.47E-08	2.49E-08	0.00E+00	0.00E+00	2.10E-08	4.49E-09	2.85E-08	4.39E-09	1.93E-09	6.03E-08
1362	493927.33	3860402.55	1.89E-04	2.19E-04	9.98E-05	6.56E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.48E-08	2.50E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.85E-08	4.40E-09	1.93E-09	6.04E-08
1363	493977.33	3860402.55	1.90E-04	2.19E-04	1.00E-04	6.57E-08	1.98E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.50E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.86E-08	4.41E-09	1.94E-09	6.05E-08
1364	494027.33	3860402.55	1.89E-04	2.19E-04	9.98E-05	6.56E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.48E-08	2.50E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.85E-08	4.40E-09	1.93E-09	6.05E-08
1365	493677.33	3860452.55	1.84E-04	2.13E-04	9.71E-05	6.38E-08	1.93E-07	1.11E-07	1.29E-07	1.17E-07	5.33E-08	2.43E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.78E-08	4.28E-09	1.88E-09	5.88E-08
1366	493727.33	3860452.55	1.84E-04	2.13E-04	9.70E-05	6.37E-08	1.92E-07	1.11E-07	1.29E-07	1.17E-07	5.33E-08	2.43E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.28E-09	1.88E-09	5.88E-08
1367	493777.33	3860452.55	1.84E-04	2.13E-04	9.71E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.43E-08	0.00E+00	0.00E+00	2.05E-08	4.38E-09	2.78E-08	4.28E-09	1.88E-09	5.88E-08
1368	493827.33	3860452.55	1.85E-04	2.14E-04	9.73E-05	6.40E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.34E-08	2.44E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.89E-09	5.90E-08
1369	493877.33	3860452.55	1.85E-04	2.14E-04	9.75E-05	6.40E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.44E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.79E-08	4.30E-09	1.89E-09	5.90E-08
1370	493927.33	3860452.55	1.86E-04	2.15E-04	9.78E-05	6.43E-08	1.94E-07	1.12E-07	1.30E-07	1.18E-07	5.37E-08	2.45E-08	0.00E+00	0.00E+00	2.07E-08	4.41E-09	2.80E-08	4.31E-09	1.90E-09	5.92E-08
1371	493977.33	3860452.55	1.86E-04	2.15E-04	9.78E-05	6.42E-08	1.94E-07	1.12E-07	1.30E-07	1.18E-07	5.37E-08	2.45E-08	0.00E+00	0.00E+00	2.07E-08	4.41E-09	2.80E-08	4.31E-09	1.89E-09	5.92E-08
1372	494027.33	3860452.55	1.85E-04	2.14E-04	9.77E-05	6.42E-08	1.94E-07	1.12E-07	1.30E-07	1.18E-07	5.37E-08	2.45E-08	0.00E+00	0.00E+00	2.06E-08	4.40E-09	2.79E-08	4.31E-09	1.89E-09	5.92E-08
1373	493677.33	3860502.55	1.80E-04	2.08E-04	9.46E-05	6.22E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.20E-08	2.37E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.71E-08	4.17E-09	1.83E-09	5.73E-08
1374	493727.33	3860502.55	1.80E-04	2.08E-04	9.46E-05	6.22E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.20E-08	2.37E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.71E-08	4.17E-09	1.83E-09	5.73E-08
1375	493777.33	3860502.55	1.80E-04	2.08E-04	9.48E-05	6.23E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.37E-08	0.00E+00	0.00E+00	2.00E-08	4.27E-09	2.71E-08	4.18E-09	1.84E-09	5.74E-08
1376	493827.33	3860502.55	1.80E-04	2.08E-04	9.50E-05	6.24E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.38E-08	0.00E+00	0.00E+00	2.01E-08	4.28E-09	2.72E-08	4.19E-09	1.84E-09	5.75E-08
1377	493877.33	3860502.55	1.81E-04	2.09E-04	9.52E-05	6.26E-08	1.89E-07	1.09E-07	1.26E-07	1.15E-07	5.23E-08	2.38E-08	0.00E+00	0.00E+00	2.01E-08	4.29E-09	2.72E-08	4.20E-09	1.85E-09	5.77E-08
1378	493927.33	3860502.55	1.81E-04	2.10E-04	9.55E-05	6.28E-08	1.89E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.39E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.85E-09	5.79E-08
1379	493977.33	3860502.55	1.81E-04	2.10E-04	9.55E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.25E-08	2.39E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.85E-09	5.79E-08
1380	494027.33	3860502.55	1.81E-04	2.10E-04	9.56E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.25E-08	2.39E-08	0.00E+00	0.00E+00	2.02E-08	4.31E-09	2.73E-08	4.21E-09	1.85E-09	5.79E-08
1381	493627.33	3860552.55	1.74E-04	2.02E-04	9.18E-05	6.03E-08	1.82E-07	1.05E-07	1.22E-07	1.11E-07	5.04E-08	2.30E-08	0.00E+00	0.00E+00	1.94E-08	4.14E-09	2.63E-08	4.05E-09	1.78E-09	5.56E-08
1382	493677.33	3860552.55	1.75E-04	2.02E-04	9.20E-05	6.04E-08	1.82E-07	1.06E-07	1.22E-07	1.11E-07	5.05E-08	2.30E-08	0.00E+00	0.00E+00	1.94E-08	4.14E-09	2.63E-08	4.06E-09	1.78E-09	5.57E-08
1383	493727.33	3860552.55	1.75E-04	2.02E-04	9.21E-05	6.05E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.06E-08	2.30E-08	0.00E+00	0.00E+00	1.95E-08	4.15E-09	2.63E-08	4.06E-09	1.78E-09	5.58E-08
1384	493777.33	3860552.55	1.75E-04	2.03E-04	9.24E-05	6.07E-08	1.83E-07	1.06E-07	1.23E-07	1.11E-07	5.07E-08	2.31E-08	0.00E+00	0.00E+00	1.95E-08	4.16E-09	2.64E-08	4.07E-09	1.79E-09	5.60E-08
1385	493827.33	3860552.55	1.76E-04	2.03E-04	9.27E-05	6.09E-08	1.84E-07	1.06E-07	1.23E-07	1.12E-07	5.09E-08	2.32E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.80E-09	5.62E-08
1386	493877.33	3860552.55	1.76E-04	2.04E-04	9.28E-05	6.10E-08	1.84E-07	1.07E-07	1.23E-07	1.12E-07	5.10E-08	2.32E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.80E-09	5.62E-08
1387	493927.33	3860552.55	1.77E-04	2.04E-04	9.31E-05	6.12E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.11E-08	2.33E-08	0.00E+00	0.00E+00	1.97E-08	4.19E-09	2.66E-08	4.10E-09	1.80E-09	5.64E-08
1388	493977.33	3860552.55	1.77E-04	2.05E-04	9.33E-05	6.13E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.13E-08	2.34E-08	0.00E+00	0.00E+00	1.97E-08	4.21E-09	2.67E-08	4.12E-09	1.81E-09	5.66E-08
1389	494027.33	3860552.55	1.77E-04	2.05E-04	9.34E-05	6.14E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.13E-08	2.34E-08	0.00E+00	0.00E+00	1.97E-08	4.21E-09	2.67E-08	4.12E-09	1.81E-09	5.66E-08
1390	493627.33	3860602.55	1.70E-04	1.96E-04	8.93E-05	5.87E-08	1.77E-07	1.03E-07	1.19E-07	1.07E-07	4.90E-08	2.24E-08	0.00E+00	0.00E+00	1.89E-08	4.03E-09	2.55E-08	3.94E-09	1.73E-09	5.41E-08
1391	493727.33	3860602.55	1.70E-04	1.96E-04	8.95E-05	5.88E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.91E-08	2.24E-08	0.00E+00	0.00E+00	1.89E-08	4.03E-09	2.56E-08	3.95E-09	1.73E-09	5.42E-08
1392	493777.33	3860602.55	1.71E-04	1.97E-04	9.00E-05	5.91E-08	1.79E-07	1.03E-07	1.19E-07	1.08E-07	4.94E-08	2.25E-08	0.00E+00	0.00E+00	1.90E-08	4.05E-09	2.57E-08	3.97E-09	1.74E-09	5.45E-08
1393	493827.33	3860602.55	1.71E-04	1.98E-04	9.02E-05	5.93E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.96E-08	2.26E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.98E-09	1.75E-09	5.47E-08
1394	493877.33	3860602.55	1.72E-04	1.99E-04	9.06E-05	5.95E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.27E-08	0.00E+00	0.00E+00	1.91E-08	4.08E-09	2.59E-08	4.00E-09	1.76E-09	5.49E-08
1395	493927.33	3860602.55	1.72E-04	1.99E-04	9.08E-05	5.97E-08	1.80E-07	1.04E-07	1.21E-07	1.09E-07	4.99E-08	2.27E-08	0.00E+00	0.00E+00	1.92E-08	4.10E-09	2.60E-08	4.01E-09	1.76E-09	5.51E-08
1396	493977.33	3860602.55	1.73E-04	2.00E-04	9.11E-05	5.99E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.00E-08	2.28E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.77E-09	5.52E-08
1397	494027.33	3860602.55	1.73E-04	2.00E-04	9.11E-05	5.99E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.01E-08	2.28E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.77E-09	5.52E-08
1398	493627.33	3860652.55	1.65E-04	1.90E-04	8.67E-05	5.70E-08	1.72E-07	9.96E-08	1.15E-07	1.04E-07	4.76E-08	2.17E-08	0.00E+00	0.00E+00	1.83E-08	3.91E-09	2.48E-08	3.82E-09	1.68E-09	5.25E-08
1399	493727.33	3860652.55	1.65E-04	1.91E-04	8.70E-05	5.72E-08	1.73E-07	9.99E-08	1.16E-07	1.05E-07	4.78E-08	2.18E-08	0.00E+00	0.00E+00	1.84E-08	3.92E-09	2.49E-08	3.84E-09	1.69E-09	5.27E-08
1400	493777.33	3860652.55	1.66E-04	1.92E-04	8.74E-05	5.75E-08	1.74E-07	1.00E-07	1.16E-07	1.05E-07	4.80E-08	2.19E-08	0.00E+00	0.00E+00	1.85E-08	3.94E-09	2.50E-08	3.86E-09	1.69E-09	5.30E-08
1401	493827.33	3860652.55	1.67E-04	1.93E-04	8.78E-05	5.77E-08	1.74E-07	1.01E-07	1.17E-07	1.06E-07	4.83E-08	2.20E-08	0.00E+00	0.00E+00	1.86E-08	3.96E-09	2.51E-08	3.87E-09	1.70E-09	5.32E-08
1402	493877.33	3860652.55	1.68E-04	1.94E-04	8.83E-05	5.80E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.85E-08	2.21E-08	0.00E+00	0.00E+00	1.87E-08	3.98E-09	2.53E-08	3.89E-09	1.71E-09	5.35E-08
1403	493927.33	3860652.55	1.68E-04	1.94E-04	8.85E-05	5.82E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.86E-08	2.22E-08	0.00E+00	0.00E+00	1.87E-08	3.99E-09	2.53E-08	3.91E-09	1.72E-09	5.37E-08
1404	493977.33	3860652.55	1.69E-04	1.95E-04	8.88E-05	5.84E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.88E-08	2.22E-08	0.00E+00	0.00E+00	1.88E-08	4.00E-09	2.54E-08	3.92E-09	1.72E-09	5.38E-08
1405	494027.33	3860652.55	1.69E-04	1.96E-04	8.91E-05	5.86E-08	1.77E-07	1.02E-07	1.18E-07	1.07E-07	4.89E-08	2.23E-08	0.00E+00	0.00E+00	1.88E-08	4.02E-09	2.55E-08	3.93E-09	1.73E-09	5.40E-08
1406	494311.06	3858401.99	2.32E-04	2.68E-04	1.24E-04	8.03E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.70E-08	3.09E-08	0.00E+00	0.00E+00	2.58E-08	5.50E-09	3.49E-08	5.38E-09	2.40E-09	7.40E-08
1407	494361.06	3858401.99	2.28E-04	2.63E-04	1.22E-04	7.89E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.04E-08	0.00E+00	0.00E+00	2.54E-08	5.40E-09	3.43E-08	5.29E-09	2.35E-09	7.27E-08
1408	494411.06	3858401.99	2.25E-04	2.60E-04	1.20E-04	7.80E-08	2.36E-07	1.36E-07	1.57E-07	1.43E-07	6.51E-08	3.01E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.23E-09	2.33E-09	7.19E-08
1409	494461.06	3858401.99	2.25E-04	2.59E-04	1.20E-04	7.77E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	2.99E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.38E-08	5.21E-09	2.32E-09	7.16E-08
1410	494511.06	3858401.99	2.22E-04	2.56E-04	1.18E-04	7.68E-08	2.32E-07	1.34E-07	1.55E-07	1.40E-07	6.40E-08	2.96E-08	0.00E+00	0.00E+00	2.47E-08	5.25E-09	3.33E-08	5.14E-09	2.29E-09	7.07E-08
1411	494561.06	3858401.99	2.21E-04	2.55E-04	1.18E-04	7.64E-08	2.31E-07	1.33E-07	1.54E-07	1.40E-07	6.37E-08	2.94E-08	0.00E+00	0.00E+00	2.46E-08	5.23E-09	3.32E-08	5.12E-09	2.28E-09	7.04E-08
1412	494611.06	3858401.99	2.18E-04	2.51E-04	1.16E-04	7.54E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.90E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.28E-08	5.05E-09	2.25E-09	6.95E-08
1413	494661.06	3858401.99	2.15E-04	2.48E-04	1.15E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.87E-08	0.00E+00	0.00E+00	2.40E-08	5.10E-09	3.24E-08	4.99E-09	2.22E-09	6.86E-08
1414	494711.06	3858401.99	2.12E-04	2.44E-04	1.13E-04	7.32E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.11E-08	2.82E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.19E-09	6.75E-08
1415	494761.06	3858401.99	2.10E-04	2.42E-04	1.12E-04	7.26E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.06E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.97E-09	3.15E-08	4.86E-09	2.17E-09	6.69E-08
1416	494811.06	3858401.99	2.07E-04	2.39E-04	1.10E-04	7.17E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.76E-08	0.00E+00	0.00E+00	2.31E-08	4.91E-09	3.11E-08	4.80E-09	2.14E-09	6.60E-08
1417	494861.06	3858401.99	2.05E-04	2.36E-04	1.09E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.91E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.75E-09	2.11E-09	6.53E-08
1418	494911.06	3858401.99	2.02E-04	2.33E-04	1.08E-04	7.00E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.70E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.09E-09	6.45E-08
1419	494961.06	3858401.99	2.00E-04	2.31E-04	1.07E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.26E-07	5.77E-08	2.67E-08	0.00E+00	0.00E+00	2.22E-08	4.74E-09	3.01E-08	4.63E-09	2.07E-09	6.37E-08
1420	495011.06	3858401.99	1.97E-04	2.27E-04	1.05E-04	6.80E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.68E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.03E-09	6.27E-08
1421	495061.06	3858401.99	1.94E-04	2.24E-04	1.03E-04	6.72E-08	2.03E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.59E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.50E-09	2.01E-09	6.19E-08
1422	495111.06	3858401.99	1.89E-04	2.18E-04	1.01E-04	6.55E-08	1.98E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.52E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.38E-09	1.95E-09	6.03E-08
1423	495161.06	3858401.99	1.88E-04	2.17E-04	1.01E-04	6.52E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.44E-08	2.52E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.83E-08	4.37E-09	1.95E-09	6.01E-08
1424	495211.06	3858401.99	1.84E-04	2.12E-04	9.82E-05	6.37E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.32E-08	2.46E-08	0.00E+00	0.00E+00	2.05E-08	4.36E-09	2.77E-08	4.27E-09	1.90E-09	5.87E-08
1425	495261.06	3858401.99	1.82E-04	2.10E-04	9.71E-05	6.30E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.25E-08	2.43E-08	0.00E+00	0.00E+00	2.03E-08	4.31E-09	2.74E-08	4.22E-09	1.88E-09	5.80E-08
1426	495311.06	3858401.99	1.80E-04	2.07E-04	9.59E-05	6.22E-08	1.88E-07	1.09E-07	1.25E-07	1.14E-07	5.19E-08	2.40E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.70E-08	4.17E-09	1.86E-09	5.73E-08
1427	495361.06	3858401.99	1.78E-04	2.06E-04	9.51E-05	6.17E-08	1.86E-07	1.08E-07	1.24E-07	1.13E-07	5.14E-08	2.38E-08	0.00E+00	0.00E+00	1.98E-08	4.22E-09	2.68E-08	4.13E-09	1.84E-09	5.68E-08
1428	495411.06	3858401.99	1.77E-04	2.05E-04	9.47E-05	6.14E-08	1.86E-07	1.07E-07	1.24E-07	1.12E-07	5.12E-08	2.37E-08	0.00E+00	0.00E+00	1.98E-08	4.21E-09	2.67E-08	4.11E-09	1.84E-09	5.66E-08
1429	495461.06	3858401.99	1.77E-04	2.04E-04	9.45E-05	6.13E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.11E-08	2.37E-08	0.00E+00	0.00E+00	1.97E-08	4.20E-09	2.66E-08	4.11E-09	1.83E-09	5.65E-08
1430	495511.06	3858401.99	1.76E-04	2.04E-04	9.41E-05	6.11E-08	1.84E-07	1.07E-07	1.23E-07	1.12E-07	5.09E-08	2.36E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.82E-09	5.63E-08
1431	495561.06	3858401.99	1.75E-04	2.02E-04	9.34E-05	6.06E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.05E-08	2.34E-08	0.00E+00	0.00E+00	1.95E-08	4.15E-09	2.63E-08	4.06E-09	1.81E-09	5.58E-08
1432	495611.06	3858401.99	1.75E-04	2.01E-04	9.31E-05	6.04E-08	1.82E-07	1.06E-07	1.22E-07	1.10E-07	5.04E-08	2.33E-08	0.00E+00	0.00E+00	1.94E-08	4.13E-09	2.62E-08	4.05E-09	1.80E-09	5.56E-08
1433	495661.06	3858401.99	1.75E-04	2.02E-04	9.34E-05	6.06E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.06E-08	2.34E-08	0.00E+00	0.00E+00	1.95E-08	4.15E-09	2.63E-08	4.06E-09	1.81E-09	5.58E-08
1434	494311.06	3858451.99	2.36E-04	2.72E-04	1.26E-04	8.17E-08	2.47E-07	1.43E-07	1.65E-07	1.49E-07	6.82E-08	3.15E-08	0.00E+00	0.00E+00	2.63E-08	5.59E-09	3.55E-08	5.47E-09	2.44E-09	7.53E-08
1435	494361.06	3858451.99	2.33E-04	2.69E-04	1.24E-04	8.06E-08	2.43E-07	1.41E-07	1.63E-07	1.47E-07	6.72E-08	3.10E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.50E-08	5.40E-09	2.40E-09	7.43E-08
1436	494411.06	3858451.99	2.30E-04	2.66E-04	1.23E-04	7.97E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.07E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.38E-09	7.34E-08
1437	494461.06	3858451.99	2.28E-04	2.63E-04	1.22E-04	7.90E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.59E-08	3.04E-08	0.00E+00	0.00E+00	2.54E-08	5.41E-09	3.43E-08	5.29E-09	2.35E-09	7.27E-08
1438	494511.06	3858451.99	2.27E-04	2.62E-04	1.21E-04	7.86E-08	2.37E-07	1.37E-07	1.58E-07	1.44E-07	6.56E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.38E-09	3.41E-08	5.26E-09	2.34E-09	7.24E-08
1439	494561.06	3858451.99	2.24E-04	2.58E-04	1.19E-04	7.75E-08	2.34E-07	1.36E-07	1.56E-07	1.42E-07	6.47E-08	2.99E-08	0.00E+00	0.00E+00	2.49E-08	5.31E-09	3.37E-08	5.19E-09	2.31E-09	7.14E-08
1440	494611.06	3858451.99	2.22E-04	2.56E-04	1.18E-04	7.68E-08	2.32E-07	1.34E-07	1.55E-07	1.40E-07	6.41E-08	2.96E-08	0.00E+00	0.00E+00	2.47E-08	5.26E-09	3.34E-08	5.15E-09	2.29E-09	7.08E-08
1441	494661.06	3858451.99	2.20E-04	2.53E-04	1.17E-04	7.60E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.34E-08	2.93E-08	0.00E+00	0.00E+00	2.44E-08	5.20E-09	3.30E-08	5.09E-09	2.27E-09	7.00E-08
1442	494711.06	3858451.99	2.16E-04	2.50E-04	1.15E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.25E-08	2.89E-08	0.00E+00	0.00E+00	2.41E-08	5.13E-09	3.26E-08	5.02E-09	2.23E-09	6.90E-08
1443	494761.06	3858451.99	2.13E-04	2.46E-04	1.14E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.84E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.95E-09	2.20E-09	6.80E-08
1444	494811.06	3858451.99	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.33E-07	6.09E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.18E-09	6.72E-08
1445	494861.06	3858451.99	2.08E-04	2.40E-04	1.11E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.31E-07	6.00E-08	2.77E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.82E-09	2.15E-09	6.62E-08
1446	494911.06	3858451.99	2.04E-04	2.36E-04	1.09E-04	7.07E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.90E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.84E-09	3.07E-08	4.74E-09	2.11E-09	6.52E-08
1447	494961.06	3858451.99	2.01E-04	2.32E-04	1.07E-04	6.97E-08	2.10E-07	1.22E-07	1.40E-07	1.27E-07	5.81E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.08E-09	6.42E-08
1448	495011.06	3858451.99	1.98E-04	2.28E-04	1.05E-04	6.84E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.71E-08	2.64E-08	0.00E+00	0.00E+00	2.20E-08	4.68E-09	2.97E-08	4.58E-09	2.04E-09	6.30E-08
1449	495061.06	3858451.99	1.96E-04	2.26E-04	1.05E-04	6.79E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.62E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.03E-09	6.26E-08
1450	495111.06	3858451.99	1.93E-04	2.23E-04	1.03E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.57E-08	2.57E-08	0.00E+00	0.00E+00	2.15E-08	4.57E-09	2.90E-08	4.47E-09	1.99E-09	6.15E-08
1451	495161.06	3858451.99	1.89E-04	2.18E-04	1.01E-04	6.54E-08	1.98E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.52E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.38E-09	1.95E-09	6.03E-08
1452	495211.06	3858451.99	1.86E-04	2.14E-04	9.90E-05	6.43E-08	1.94E-07	1.12E-07	1.30E-07	1.17E-07	5.36E-08	2.48E-08	0.00E+00	0.00E+00	2.07E-08	4.40E-09	2.79E-08	4.30E-09	1.92E-09	5.92E-08
1453	495261.06	3858451.99	1.84E-04	2.12E-04	9.79E-05	6.35E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.45E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.26E-09	1.90E-09	5.85E-08
1454	495311.06	3858451.99	1.82E-04	2.10E-04	9.70E-05	6.30E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.25E-08	2.43E-08	0.00E+00	0.00E+00	2.02E-08	4.31E-09	2.73E-08	4.22E-09	1.88E-09	5.80E-08
1455	495361.06	3858451.99	1.80E-04	2.08E-04	9.62E-05	6.24E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.41E-08	0.00E+00	0.00E+00	2.01E-08	4.27E-09	2.71E-08	4.18E-09	1.86E-09	5.75E-08
1456	495411.06	3858451.99	1.80E-04	2.08E-04	9.59E-05	6.23E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.19E-08	2.40E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.70E-08	4.17E-09	1.86E-09	5.74E-08
1457	495461.06	3858451.99	1.80E-04	2.07E-04	9.58E-05	6.22E-08	1.88E-07	1.09E-07	1.25E-07	1.14E-07	5.19E-08	2.40E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.70E-08	4.16E-09	1.86E-09	5.73E-08
1458	495511.06	3858451.99	1.78E-04	2.05E-04	9.49E-05	6.16E-08	1.86E-07	1.08E-07	1.24E-07	1.13E-07	5.14E-08	2.38E-08	0.00E+00	0.00E+00	1.98E-08	4.22E-09	2.68E-08	4.13E-09	1.84E-09	5.67E-08
1459	495561.06	3858451.99	1.78E-04	2.06E-04	9.52E-05	6.18E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.15E-08	2.38E-08	0.00E+00	0.00E+00	1.99E-08	4.23E-09	2.68E-08	4.14E-09	1.84E-09	5.69E-08
1460	495611.06	3858451.99	1.76E-04	2.03E-04	9.40E-05	6.10E-08	1.84E-07	1.07E-07	1.23E-07	1.12E-07	5.09E-08	2.35E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.82E-09	5.62E-08
1461	495661.06	3858451.99	1.76E-04	2.03E-04	9.40E-05	6.10E-08	1.84E-07	1.07E-07	1.23E-07	1.12E-07	5.09E-08	2.35E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.82E-09	5.62E-08
1462	494311.06	3858501.99	2.36E-04	2.72E-04	1.25E-04	8.15E-08	2.46E-07	1.43E-07	1.64E-07	1.49E-07	6.80E-08	3.14E-08	0.00E+00	0.00E+00	2.62E-08	5.58E-09	3.54E-08	5.46E-09	2.43E-09	7.51E-08
1463	494361.06	3858501.99	2.34E-04	2.70E-04	1.24E-04	8.09E-08	2.44E-07	1.41E-07	1.63E-07	1.48E-07	6.75E-08	3.12E-08	0.00E+00	0.00E+00	2.60E-08	5.54E-09	3.51E-08	5.42E-09	2.41E-09	7.45E-08

1464	494411.06	3858501.99	2.31E-04	2.67E-04	1.23E-04	8.01E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.09E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.39E-09	7.38E-08
1465	494461.06	3858501.99	2.30E-04	2.66E-04	1.23E-04	7.97E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.07E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.38E-09	7.34E-08
1466	494511.06	3858501.99	2.27E-04	2.62E-04	1.21E-04	7.86E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.38E-09	3.41E-08	5.26E-09	2.34E-09	7.24E-08
1467	494561.06	3858501.99	2.28E-04	2.63E-04	1.21E-04	7.88E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.40E-09	3.42E-08	5.28E-09	2.35E-09	7.26E-08
1468	494611.06	3858501.99	2.25E-04	2.60E-04	1.20E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.50E-08	3.00E-08	0.00E+00	0.00E+00	2.50E-08	5.33E-09	3.38E-08	5.22E-09	2.32E-09	7.17E-08
1469	494661.06	3858501.99	2.23E-04	2.58E-04	1.19E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.98E-08	0.00E+00	0.00E+00	2.49E-08	5.29E-09	3.36E-08	5.18E-09	2.31E-09	7.12E-08
1470	494711.06	3858501.99	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.36E-08	2.93E-08	0.00E+00	0.00E+00	2.45E-08	5.22E-09	3.31E-08	5.11E-09	2.27E-09	7.02E-08
1471	494761.06	3858501.99	2.16E-04	2.50E-04	1.15E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.25E-08	2.89E-08	0.00E+00	0.00E+00	2.41E-08	5.13E-09	3.26E-08	5.02E-09	2.23E-09	6.90E-08
1472	494811.06	3858501.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.15E-08	2.84E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.20E-08	4.94E-09	2.20E-09	6.80E-08
1473	494861.06	3858501.99	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.33E-07	6.09E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.18E-09	6.72E-08
1474	494911.06	3858501.99	2.06E-04	2.38E-04	1.10E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.30E-07	5.95E-08	2.75E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.13E-09	6.57E-08
1475	494961.06	3858501.99	2.04E-04	2.35E-04	1.09E-04	7.05E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.83E-09	3.06E-08	4.72E-09	2.10E-09	6.49E-08
1476	495011.06	3858501.99	2.00E-04	2.30E-04	1.06E-04	6.91E-08	2.09E-07	1.21E-07	1.39E-07	1.26E-07	5.77E-08	2.66E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.63E-09	2.06E-09	6.37E-08
1477	495061.06	3858501.99	1.98E-04	2.29E-04	1.06E-04	6.86E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.64E-08	0.00E+00	0.00E+00	2.21E-08	4.70E-09	2.98E-08	4.60E-09	2.05E-09	6.32E-08
1478	495111.06	3858501.99	1.93E-04	2.23E-04	1.03E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.58E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	2.00E-09	6.16E-08
1479	495161.06	3858501.99	1.90E-04	2.19E-04	1.01E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.54E-08	0.00E+00	0.00E+00	2.12E-08	4.50E-09	2.86E-08	4.41E-09	1.96E-09	6.06E-08
1480	495211.06	3858501.99	1.87E-04	2.16E-04	9.97E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.18E-07	5.40E-08	2.50E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.34E-09	1.93E-09	5.97E-08
1481	495261.06	3858501.99	1.85E-04	2.14E-04	9.87E-05	6.41E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.34E-08	2.47E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.91E-09	5.90E-08
1482	495311.06	3858501.99	1.84E-04	2.12E-04	9.81E-05	6.37E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.31E-08	2.46E-08	0.00E+00	0.00E+00	2.05E-08	4.36E-09	2.77E-08	4.27E-09	1.90E-09	5.87E-08
1483	495361.06	3858501.99	1.83E-04	2.11E-04	9.76E-05	6.34E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.44E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.75E-08	4.25E-09	1.89E-09	5.84E-08
1484	495411.06	3858501.99	1.83E-04	2.11E-04	9.73E-05	6.32E-08	1.91E-07	1.10E-07	1.27E-07	1.16E-07	5.27E-08	2.44E-08	0.00E+00	0.00E+00	2.03E-08	4.33E-09	2.74E-08	4.23E-09	1.89E-09	5.82E-08
1485	495461.06	3858501.99	1.82E-04	2.10E-04	9.70E-05	6.30E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.26E-08	2.43E-08	0.00E+00	0.00E+00	2.03E-08	4.31E-09	2.74E-08	4.22E-09	1.88E-09	5.80E-08
1486	495511.06	3858501.99	1.81E-04	2.09E-04	9.65E-05	6.27E-08	1.89E-07	1.10E-07	1.26E-07	1.15E-07	5.23E-08	2.42E-08	0.00E+00	0.00E+00	2.02E-08	4.29E-09	2.72E-08	4.20E-09	1.87E-09	5.77E-08
1487	495561.06	3858501.99	1.81E-04	2.09E-04	9.67E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.42E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.87E-09	5.79E-08
1488	495611.06	3858501.99	1.80E-04	2.08E-04	9.61E-05	6.24E-08	1.89E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.41E-08	0.00E+00	0.00E+00	2.01E-08	4.27E-09	2.71E-08	4.18E-09	1.86E-09	5.75E-08
1489	495661.06	3858501.99	1.80E-04	2.07E-04	9.58E-05	6.22E-08	1.88E-07	1.09E-07	1.25E-07	1.14E-07	5.19E-08	2.40E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.70E-08	4.17E-09	1.86E-09	5.73E-08
1490	494311.06	3858551.99	2.31E-04	2.67E-04	1.23E-04	8.01E-08	2.42E-07	1.40E-07	1.62E-07	1.46E-07	6.68E-08	3.09E-08	0.00E+00	0.00E+00	2.58E-08	5.48E-09	3.48E-08	5.37E-09	2.39E-09	7.38E-08
1491	494361.06	3858551.99	2.33E-04	2.69E-04	1.24E-04	8.08E-08	2.44E-07	1.41E-07	1.63E-07	1.48E-07	6.74E-08	3.11E-08	0.00E+00	0.00E+00	2.60E-08	5.53E-09	3.51E-08	5.41E-09	2.41E-09	7.44E-08
1492	494411.06	3858551.99	2.34E-04	2.70E-04	1.25E-04	8.11E-08	2.45E-07	1.42E-07	1.64E-07	1.48E-07	6.76E-08	3.12E-08	0.00E+00	0.00E+00	2.61E-08	5.55E-09	3.52E-08	5.43E-09	2.42E-09	7.47E-08
1493	494461.06	3858551.99	2.34E-04	2.70E-04	1.25E-04	8.10E-08	2.44E-07	1.42E-07	1.63E-07	1.48E-07	6.75E-08	3.12E-08	0.00E+00	0.00E+00	2.60E-08	5.54E-09	3.52E-08	5.42E-09	2.41E-09	7.46E-08
1494	494511.06	3858551.99	2.32E-04	2.68E-04	1.24E-04	8.04E-08	2.43E-07	1.41E-07	1.62E-07	1.47E-07	6.71E-08	3.10E-08	0.00E+00	0.00E+00	2.59E-08	5.51E-09	3.49E-08	5.39E-09	2.40E-09	7.41E-08
1495	494561.06	3858551.99	2.31E-04	2.67E-04	1.23E-04	8.00E-08	2.42E-07	1.40E-07	1.61E-07	1.46E-07	6.67E-08	3.08E-08	0.00E+00	0.00E+00	2.57E-08	5.48E-09	3.48E-08	5.36E-09	2.38E-09	7.37E-08
1496	494611.06	3858551.99	2.29E-04	2.64E-04	1.22E-04	7.93E-08	2.39E-07	1.39E-07	1.60E-07	1.45E-07	6.62E-08	3.05E-08	0.00E+00	0.00E+00	2.55E-08	5.43E-09	3.44E-08	5.31E-09	2.36E-09	7.30E-08
1497	494661.06	3858551.99	2.27E-04	2.62E-04	1.21E-04	7.87E-08	2.38E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.27E-09	2.34E-09	7.25E-08
1498	494711.06	3858551.99	2.24E-04	2.58E-04	1.19E-04	7.74E-08	2.34E-07	1.35E-07	1.56E-07	1.42E-07	6.46E-08	2.98E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.19E-09	2.31E-09	7.13E-08
1499	494761.06	3858551.99	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.93E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.27E-09	7.02E-08
1500	494811.06	3858551.99	2.17E-04	2.51E-04	1.16E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.28E-08	2.90E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.24E-09	6.93E-08
1501	494861.06	3858551.99	2.14E-04	2.47E-04	1.14E-04	7.40E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.85E-08	0.00E+00	0.00E+00	2.38E-08	5.07E-09	3.21E-08	4.96E-09	2.21E-09	6.82E-08
1502	494911.06	3858551.99	2.10E-04	2.42E-04	1.12E-04	7.25E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.05E-08	2.79E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.16E-09	6.68E-08
1503	494961.06	3858551.99	2.06E-04	2.38E-04	1.10E-04	7.14E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.89E-09	3.10E-08	4.79E-09	2.13E-09	6.58E-08
1504	495011.06	3858551.99	2.02E-04	2.33E-04	1.08E-04	7.00E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.70E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.09E-09	6.45E-08
1505	495061.06	3858551.99	2.00E-04	2.30E-04	1.06E-04	6.91E-08	2.09E-07	1.21E-07	1.39E-07	1.26E-07	5.76E-08	2.66E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.63E-09	2.06E-09	6.36E-08
1506	495111.06	3858551.99	1.95E-04	2.25E-04	1.04E-04	6.73E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.62E-08	2.59E-08	0.00E+00	0.00E+00	2.17E-08	4.61E-09	2.93E-08	4.51E-09	2.01E-09	6.20E-08
1507	495161.06	3858551.99	1.91E-04	2.21E-04	1.02E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.55E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.44E-09	1.98E-09	6.11E-08
1508	495211.06	3858551.99	1.89E-04	2.18E-04	1.01E-04	6.54E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.45E-08	2.52E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.84E-08	4.38E-09	1.95E-09	6.02E-08
1509	495261.06	3858551.99	1.87E-04	2.16E-04	9.97E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.18E-07	5.40E-08	2.50E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.34E-09	1.93E-09	5.97E-08
1510	495311.06	3858551.99	1.86E-04	2.15E-04	9.93E-05	6.45E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.38E-08	2.49E-08	0.00E+00	0.00E+00	2.07E-08	4.42E-09	2.80E-08	4.32E-09	1.92E-09	5.94E-08
1511	495361.06	3858551.99	1.85E-04	2.14E-04	9.88E-05	6.42E-08	1.94E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.47E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.79E-08	4.30E-09	1.91E-09	5.91E-08
1512	495411.06	3858551.99	1.85E-04	2.14E-04	9.87E-05	6.41E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.47E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.91E-09	5.90E-08
1513	495461.06	3858551.99	1.84E-04	2.13E-04	9.83E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.46E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.28E-09	1.90E-09	5.88E-08
1514	495511.06	3858551.99	1.84E-04	2.13E-04	9.82E-05	6.38E-08	1.93E-07	1.11E-07	1.29E-07	1.17E-07	5.32E-08	2.46E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.27E-09	1.90E-09	5.88E-08
1515	495561.06	3858551.99	1.84E-04	2.12E-04	9.78E-05	6.35E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.45E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.26E-09	1.89E-09	5.85E-08
1516	495611.06	3858551.99	1.83E-04	2.11E-04	9.72E-05	6.32E-08	1.91E-07	1.10E-07	1.27E-07	1.16E-07	5.27E-08	2.43E-08	0.00E+00	0.00E+00	2.03E-08	4.33E-09	2.74E-08	4.23E-09	1.88E-09	5.82E-08
1517	495661.06	3858551.99	1.81E-04	2.09E-04	9.66E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.42E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.87E-09	5.78E-08
1518	494311.06	3858601.99	2.17E-04	2.50E-04	1.16E-04	7.51E-08	2.27E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.89E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.24E-09	6.92E-08
1519	494361.06	3858601.99	2.30E-04	2.66E-04	1.23E-04	7.97E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.07E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.38E-09	7.34E-08
1520	494411.06	3858601.99	2.38E-04	2.75E-04	1.27E-04	8.25E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.88E-08	3.17E-08	0.00E+00	0.00E+00	2.65E-08	5.65E-09	3.58E-08	5.53E-09	2.46E-09	7.60E-08
1521	494461.06	3858601.99	2.38E-04	2.74E-04	1.27E-04	8.23E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.87E-08	3.17E-08	0.00E+00	0.00E+00	2.65E-08	5.64E-09	3.58E-08	5.52E-09	2.45E-09	7.59E-08
1522	494511.06	3858601.99	2.35E-04	2.72E-04	1.25E-04	8.15E-08	2.46E-07	1.42E-07	1.64E-07	1.49E-07	6.80E-08	3.14E-08	0.00E+00	0.00E+00	2.62E-08	5.58E-09	3.54E-08	5.46E-09	2.43E-09	7.51E-08
1523	494561.06	3858601.99	2.36E-04	2.72E-04	1.25E-04	8.16E-08	2.46E-07	1.43E-07	1.65E-07	1.49E-07	6.81E-08	3.14E-08	0.00E+00	0.00E+00	2.62E-08	5.58E-09	3.54E-08	5.47E-09	2.43E-09	7.51E-08
1524	494611.06	3858601.99	2.33E-04	2.69E-04	1.24E-04	8.05E-08	2.43E-07	1.41E-07	1.62E-07	1.47E-07	6.72E-08	3.10E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.50E-08	5.40E-09	2.40E-09	7.42E-08
1525	494661.06	3858601.99	2.31E-04	2.66E-04	1.23E-04	7.98E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.66E-08	3.07E-08	0.00E+00	0.00E+00	2.57E-08	5.47E-09	3.47E-08	5.35E-09	2.38E-09	7.36E-08
1526	494711.06	3858601.99	2.27E-04	2.62E-04	1.21E-04	7.87E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.57E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.27E-09	2.34E-09	7.25E-08
1527	494761.06	3858601.99	2.24E-04	2.58E-04	1.19E-04	7.75E-08	2.34E-07	1.35E-07	1.56E-07	1.42E-07	6.47E-08	2.98E-08	0.00E+00	0.00E+00	2.49E-08	5.31E-09	3.37E-08	5.19E-09	2.31E-09	7.14E-08
1528	494811.06	3858601.99	2.19E-04	2.52E-04	1.16E-04	7.57E-08	2.29E-07	1.32E-07	1.53E-07	1.38E-07	6.32E-08	2.91E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.26E-09	6.98E-08
1529	494861.06	3858601.99	2.16E-04	2.49E-04	1.15E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.88E-08	0.00E+00	0.00E+00	2.41E-08	5.12E-09	3.25E-08	5.01E-09	2.23E-09	6.89E-08
1530	494911.06	3858601.99	2.11E-04	2.44E-04	1.13E-04	7.32E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.10E-08	2.82E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.18E-09	6.74E-08
1531	494961.06	3858601.99	2.08E-04	2.40E-04	1.11E-04	7.20E-08	2.18E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.77E-08	0.00E+00	0.00E+00	2.32E-08	4.93E-09	3.13E-08	4.83E-09	2.15E-09	6.64E-08
1532	495011.06	3858601.99	2.05E-04	2.36E-04	1.09E-04	7.09E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.91E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.75E-09	2.11E-09	6.53E-08
1533	495061.06	3858601.99	2.01E-04	2.32E-04	1.07E-04	6.96E-08	2.10E-07	1.22E-07	1.40E-07	1.27E-07	5.81E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.08E-09	6.42E-08
1534	495111.06	3858601.99	1.96E-04	2.26E-04	1.04E-04	6.77E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.65E-08	2.61E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.94E-08	4.54E-09	2.02E-09	6.24E-08
1535	495161.06	3858601.99	1.93E-04	2.23E-04	1.03E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.57E-08	2.57E-08	0.00E+00	0.00E+00	2.15E-08	4.57E-09	2.90E-08	4.47E-09	1.99E-09	6.15E-08
1536	495211.06	3858601.99	1.91E-04	2.21E-04	1.02E-04	6.62E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.55E-08	0.00E+00	0.00E+00	2.13E-08	4.53E-09	2.88E-08	4.44E-09	1.98E-09	6.10E-08
1537	495261.06	3858601.99	1.89E-04	2.19E-04	1.01E-04	6.56E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.47E-08	2.53E-08	0.00E+00	0.00E+00	2.11E-08	4.49E-09	2.85E-08	4.39E-09	1.96E-09	6.04E-08
1538	495311.06	3858601.99	1.88E-04	2.17E-04	1.00E-04	6.51E-08	1.97E-07	1.14E-07	1.31E-07	1.19E-07	5.43E-08	2.51E-08	0.00E+00	0.00E+00	2.09E-08	4.46E-09	2.83E-08	4.36E-09	1.94E-09	6.00E-08
1539	495361.06	3858601.99	1.87E-04	2.16E-04	9.99E-05	6.49E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.41E-08	2.50E-08	0.00E+00	0.00E+00	2.09E-08	4.44E-09	2.82E-08	4.35E-09	1.94E-09	5.98E-08
1540	495411.06	3858601.99	1.87E-04	2.16E-04	9.96E-05	6.47E-08	1.95E-07	1.13E-07	1.31E-07	1.18E-07	5.40E-08	2.49E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.33E-09	1.93E-09	5.96E-08
1541	495461.06	3858601.99	1.87E-04	2.15E-04	9.93E-05	6.46E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.39E-08	2.49E-08	0.00E+00	0.00E+00	2.08E-08	4.42E-09	2.80E-08	4.33E-09	1.93E-09	5.95E-08
1542	495511.06	3858601.99	1.85E-04	2.14E-04	9.86E-05	6.41E-08	1.94E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.47E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.91E-09	5.90E-08
1543	495561.06	3858601.99	1.85E-04	2.14E-04	9.86E-05	6.41E-08	1.94E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.47E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.91E-09	5.91E-08
1544	495611.06	3858601.99	1.83E-04	2.12E-04	9.77E-05	6.35E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.45E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.26E-09	1.89E-09	5.85E-08
1545	495661.06	3858601.99	1.83E-04	2.11E-04	9.76E-05	6.34E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.44E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.76E-08	4.25E-09	1.89E-09	5.84E-08
1546	494311.06	3858651.99	2.13E-04	2.46E-04	1.14E-04	7.39E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.85E-08	0.00E+00	0.00E+00	2.38E-08	5.06E-09	3.21E-08	4.95E-09	2.20E-09	6.80E-08
1547	494361.06	3858651.99	2.26E-04	2.61E-04	1.21E-04	7.84E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.54E-08	3.02E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.40E-08	5.25E-09	2.34E-09	7.22E-08
1548	494411.06	3858651.99	2.40E-04	2.77E-04	1.28E-04	8.31E-08	2.51E-07	1.45E-07	1.68E-07	1.52E-07	6.93E-08	3.20E-08	0.00E+00	0.00E+00	2.67E-08	5.69E-09	3.61E-08	5.57E-09	2.48E-09	7.66E-08
1549	494461.06	3858651.99	2.41E-04	2.78E-04	1.28E-04	8.33E-08	2.51E-07	1.46E-07	1.68E-07	1.52E-07	6.95E-08	3.21E-08	0.00E+00	0.00E+00	2.68E-08	5.70E-09	3.62E-08	5.58E-09	2.48E-09	7.67E-08
1550	494511.06	3858651.99	2.39E-04	2.76E-04	1.27E-04	8.27E-08	2.50E-07	1.45E-07	1.67E-07	1.51E-07	6.90E-08	3.18E-08	0.00E+00	0.00E+00	2.66E-08	5.67E-09	3.60E-08	5.54E-09	2.47E-09	7.62E-08
1551	494561.06	3858651.99	2.38E-04	2.75E-04	1.27E-04	8.25E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.88E-08	3.17E-08	0.00E+00	0.00E+00	2.65E-08	5.65E-09	3.58E-08	5.52E-09	2.46E-09	7.60E-08
1552	494611.06	3858651.99	2.37E-04	2.73E-04	1.26E-04	8.19E-08	2.47E-07	1.43E-07	1.65E-07	1.50E-07	6.83E-08	3.15E-08	0.00E+00	0.00E+00	2.63E-08	5.61E-09	3.56E-08	5.49E-09	2.44E-09	7.55E-08
1553	494661.06	3858651.99	2.34E-04	2.70E-04	1.25E-04	8.10E-08	2.45E-07	1.42E-07	1.63E-07	1.48E-07	6.76E-08	3.12E-08	0.00E+00	0.00E+00	2.60E-08	5.55E-09	3.52E-08	5.43E-09	2.41E-09	7.46E-08
1554	494711.06	3858651.99	2.30E-04	2.66E-04	1.22E-04	7.96E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.06E-08	0.00E+00	0.00E+00	2.56E-08	5.45E-09	3.46E-08	5.34E-09	2.37E-09	7.34E-08
1555	494761.06	3858651.99	2.27E-04	2.62E-04	1.21E-04	7.86E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.38E-09	3.42E-08	5.27E-09	2.34E-09	7.24E-08
1556	494811.06	3858651.99	2.23E-04	2.57E-04	1.18E-04	7.71E-08	2.33E-07	1.35E-07	1.55E-07	1.41E-07	6.43E-08	2.97E-08	0.00E+00	0.00E+00	2.48E-08	5.28E-09	3.35E-08	5.16E-09	2.30E-09	7.10E-08
1557	494861.06	3858651.99	2.18E-04	2.52E-04	1.16E-04	7.56E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.31E-08	2.91E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.25E-09	6.97E-08
1558	494911.06	3858651.99	2.14E-04	2.47E-04	1.14E-04	7.40E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.85E-08	0.00E+00	0.00E+00	2.38E-08	5.07E-09	3.22E-08	4.96E-09	2.21E-09	6.82E-08
1559	494961.06	3858651.99	2.10E-04	2.42E-04	1.12E-04	7.26E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.06E-08	2.79E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.16E-09	6.69E-08
1560	495011.06	3858651.99	2.07E-04	2.38E-04	1.10E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.79E-09	2.13E-09	6.59E-08
1561	495061.06	3858651.99	2.03E-04	2.34E-04	1.08E-04	7.03E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.09E-09	6.47E-08
1562	495111.06	3858651.99	1.99E-04	2.29E-04	1.06E-04	6.88E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.65E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.05E-09	6.34E-08
1563	495161.06	3858651.99	1.96E-04	2.26E-04	1.04E-04	6.79E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.66E-08	2.61E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.02E-09	6.26E-08
1564	495211.06	3858651.99	1.93E-04	2.23E-04	1.03E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.57E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	1.99E-09	6.16E-08
1565	495261.06	3858651.99	1.92E-04	2.22E-04	1.02E-04	6.66E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.56E-08	2.56E-08	0.00E+00	0.00E+00	2.14E-08	4.56E-09	2.89E-08	4.46E-09	1.99E-09	6.14E-08
1566	495311.06	3858651.99	1.91E-04	2.20E-04	1.02E-04	6.61E-08	2.00E-07	1.16E-07	1.33E-07	1.21E-07	5.52E-08	2.55E-08	0.00E+00	0.00E+00	2.13E-08	4.53E-09	2.87E-08	4.43E-09	1.97E-09	6.09E-08
1567	495361.06	3858651.99	1.90E-04	2.19E-04	1.01E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.53E-08	0.00E+00	0.00E+00	2.12E-08	4.51E-09	2.86E-08	4.41E-09	1.96E-09	6.06E-08
1568	495411.06	3858651.99	1.90E-04	2.19E-04	1.01E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.53E-08	0.00E+00	0.00E+00	2.12E-08	4.50E-09	2.86E-08	4.41E-09	1.96E-09	6.06E-08

1569	495461.06	3858651.99	1.90E-04	2.19E-04	1.01E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.53E-08	0.00E+00	0.00E+00	2.12E-08	4.51E-09	2.86E-08	4.41E-09	1.96E-09	6.06E-08
1570	495511.06	3858651.99	1.88E-04	2.17E-04	1.00E-04	6.52E-08	1.97E-07	1.14E-07	1.31E-07	1.19E-07	5.44E-08	2.51E-08	0.00E+00	0.00E+00	2.10E-08	4.46E-09	2.83E-08	4.37E-09	1.94E-09	6.00E-08
1571	495561.06	3858651.99	1.87E-04	2.16E-04	9.96E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.18E-07	5.40E-08	2.49E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.34E-09	1.93E-09	5.97E-08
1572	495611.06	3858651.99	1.85E-04	2.14E-04	9.86E-05	6.41E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.47E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.91E-09	5.90E-08
1573	495661.06	3858651.99	1.85E-04	2.13E-04	9.83E-05	6.39E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.34E-08	2.46E-08	0.00E+00	0.00E+00	2.06E-08	4.38E-09	2.78E-08	4.28E-09	1.91E-09	5.89E-08
1574	494311.06	3858701.99	2.15E-04	2.48E-04	1.15E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.87E-08	0.00E+00	0.00E+00	2.40E-08	5.10E-09	3.24E-08	4.99E-09	2.22E-09	6.87E-08
1575	494361.06	3858701.99	2.33E-04	2.69E-04	1.24E-04	8.06E-08	2.43E-07	1.41E-07	1.63E-07	1.47E-07	6.72E-08	3.10E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.50E-08	5.40E-09	2.40E-09	7.43E-08
1576	494411.06	3858701.99	2.42E-04	2.80E-04	1.29E-04	8.39E-08	2.53E-07	1.47E-07	1.69E-07	1.53E-07	7.00E-08	3.23E-08	0.00E+00	0.00E+00	2.70E-08	5.75E-09	3.65E-08	5.62E-09	2.50E-09	7.73E-08
1577	494461.06	3858701.99	2.43E-04	2.80E-04	1.29E-04	8.40E-08	2.54E-07	1.47E-07	1.69E-07	1.54E-07	7.01E-08	3.23E-08	0.00E+00	0.00E+00	2.70E-08	5.75E-09	3.65E-08	5.63E-09	2.50E-09	7.74E-08
1578	494511.06	3858701.99	2.42E-04	2.79E-04	1.29E-04	8.37E-08	2.53E-07	1.46E-07	1.69E-07	1.53E-07	6.98E-08	3.22E-08	0.00E+00	0.00E+00	2.69E-08	5.73E-09	3.64E-08	5.61E-09	2.49E-09	7.71E-08
1579	494561.06	3858701.99	2.40E-04	2.77E-04	1.28E-04	8.32E-08	2.51E-07	1.45E-07	1.68E-07	1.52E-07	6.94E-08	3.20E-08	0.00E+00	0.00E+00	2.68E-08	5.70E-09	3.62E-08	5.58E-09	2.48E-09	7.67E-08
1580	494611.06	3858701.99	2.36E-04	2.72E-04	1.25E-04	8.16E-08	2.46E-07	1.43E-07	1.65E-07	1.49E-07	6.81E-08	3.14E-08	0.00E+00	0.00E+00	2.62E-08	5.59E-09	3.55E-08	5.47E-09	2.43E-09	7.52E-08
1581	494661.06	3858701.99	2.36E-04	2.72E-04	1.25E-04	8.16E-08	2.46E-07	1.43E-07	1.65E-07	1.49E-07	6.81E-08	3.14E-08	0.00E+00	0.00E+00	2.62E-08	5.59E-09	3.55E-08	5.47E-09	2.43E-09	7.52E-08
1582	494711.06	3858701.99	2.25E-04	2.60E-04	1.20E-04	7.80E-08	2.36E-07	1.36E-07	1.57E-07	1.43E-07	6.51E-08	3.00E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.23E-09	2.33E-09	7.19E-08
1583	494761.06	3858701.99	2.28E-04	2.63E-04	1.21E-04	7.89E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.04E-08	0.00E+00	0.00E+00	2.54E-08	5.40E-09	3.43E-08	5.29E-09	2.35E-09	7.27E-08
1584	494811.06	3858701.99	2.24E-04	2.59E-04	1.19E-04	7.77E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	2.99E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.38E-08	5.21E-09	2.31E-09	7.16E-08
1585	494861.06	3858701.99	2.20E-04	2.54E-04	1.17E-04	7.61E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.93E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.27E-09	7.01E-08
1586	494911.06	3858701.99	2.17E-04	2.50E-04	1.15E-04	7.50E-08	2.27E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.89E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.24E-09	6.91E-08
1587	494961.06	3858701.99	2.10E-04	2.43E-04	1.12E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.16E-08	4.88E-09	2.17E-09	6.71E-08
1588	495011.06	3858701.99	2.07E-04	2.38E-04	1.10E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.79E-09	2.13E-09	6.59E-08
1589	495061.06	3858701.99	2.05E-04	2.37E-04	1.09E-04	7.10E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.92E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.08E-08	4.75E-09	2.11E-09	6.54E-08
1590	495111.06	3858701.99	2.00E-04	2.31E-04	1.07E-04	6.94E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.67E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.01E-08	4.65E-09	2.07E-09	6.39E-08
1591	495161.06	3858701.99	1.98E-04	2.29E-04	1.06E-04	6.86E-08	2.07E-07	1.20E-07	1.38E-07	1.26E-07	5.73E-08	2.64E-08	0.00E+00	0.00E+00	2.21E-08	4.70E-09	2.98E-08	4.60E-09	2.05E-09	6.32E-08
1592	495211.06	3858701.99	1.95E-04	2.25E-04	1.04E-04	6.76E-08	2.04E-07	1.18E-07	1.36E-07	1.24E-07	5.64E-08	2.60E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.53E-09	2.01E-09	6.23E-08
1593	495261.06	3858701.99	1.95E-04	2.25E-04	1.04E-04	6.74E-08	2.04E-07	1.18E-07	1.36E-07	1.23E-07	5.63E-08	2.59E-08	0.00E+00	0.00E+00	2.17E-08	4.62E-09	2.93E-08	4.52E-09	2.01E-09	6.21E-08
1594	495311.06	3858701.99	1.94E-04	2.24E-04	1.03E-04	6.73E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.61E-08	2.59E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.92E-08	4.51E-09	2.00E-09	6.20E-08
1595	495361.06	3858701.99	1.93E-04	2.23E-04	1.03E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.57E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.91E-08	4.48E-09	1.99E-09	6.16E-08
1596	495411.06	3858701.99	1.93E-04	2.23E-04	1.03E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.57E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.91E-08	4.48E-09	1.99E-09	6.16E-08
1597	495461.06	3858701.99	1.93E-04	2.22E-04	1.02E-04	6.66E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.56E-08	2.56E-08	0.00E+00	0.00E+00	2.14E-08	4.56E-09	2.90E-08	4.47E-09	1.99E-09	6.14E-08
1598	495511.06	3858701.99	1.91E-04	2.21E-04	1.02E-04	6.62E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.52E-08	2.55E-08	0.00E+00	0.00E+00	2.13E-08	4.53E-09	2.88E-08	4.44E-09	1.97E-09	6.10E-08
1599	495561.06	3858701.99	1.90E-04	2.19E-04	1.01E-04	6.56E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.48E-08	2.53E-08	0.00E+00	0.00E+00	2.11E-08	4.49E-09	2.85E-08	4.40E-09	1.96E-09	6.05E-08
1600	495611.06	3858701.99	1.88E-04	2.17E-04	1.00E-04	6.51E-08	1.96E-07	1.14E-07	1.31E-07	1.19E-07	5.43E-08	2.50E-08	0.00E+00	0.00E+00	2.09E-08	4.46E-09	2.83E-08	4.36E-09	1.94E-09	6.00E-08
1601	495661.06	3858701.99	1.87E-04	2.16E-04	9.96E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.18E-07	5.40E-08	2.49E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.34E-09	1.93E-09	5.97E-08
1602	494311.06	3858751.99	2.18E-04	2.52E-04	1.16E-04	7.56E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.31E-08	2.91E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.28E-08	5.06E-09	2.26E-09	6.96E-08
1603	494361.06	3858751.99	2.38E-04	2.75E-04	1.27E-04	8.24E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.87E-08	3.17E-08	0.00E+00	0.00E+00	2.65E-08	5.64E-09	3.58E-08	5.52E-09	2.46E-09	7.59E-08
1604	494411.06	3858751.99	2.45E-04	2.83E-04	1.31E-04	8.49E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.08E-08	3.27E-08	0.00E+00	0.00E+00	2.73E-08	5.81E-09	3.69E-08	5.69E-09	2.53E-09	7.82E-08
1605	494461.06	3858751.99	2.45E-04	2.83E-04	1.31E-04	8.50E-08	2.57E-07	1.48E-07	1.71E-07	1.55E-07	7.09E-08	3.27E-08	0.00E+00	0.00E+00	2.73E-08	5.82E-09	3.69E-08	5.69E-09	2.53E-09	7.83E-08
1606	494511.06	3858751.99	2.45E-04	2.83E-04	1.30E-04	8.49E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.08E-08	3.27E-08	0.00E+00	0.00E+00	2.73E-08	5.81E-09	3.69E-08	5.69E-09	2.53E-09	7.82E-08
1607	494561.06	3858751.99	2.43E-04	2.81E-04	1.29E-04	8.42E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.02E-08	3.24E-08	0.00E+00	0.00E+00	2.71E-08	5.76E-09	3.66E-08	5.64E-09	2.51E-09	7.76E-08
1608	494611.06	3858751.99	2.39E-04	2.76E-04	1.27E-04	8.28E-08	2.50E-07	1.45E-07	1.67E-07	1.51E-07	6.91E-08	3.19E-08	0.00E+00	0.00E+00	2.66E-08	5.67E-09	3.60E-08	5.55E-09	2.47E-09	7.63E-08
1609	494661.06	3858751.99	2.38E-04	2.75E-04	1.27E-04	8.24E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.87E-08	3.17E-08	0.00E+00	0.00E+00	2.65E-08	5.64E-09	3.58E-08	5.52E-09	2.45E-09	7.59E-08
1610	494711.06	3858751.99	2.32E-04	2.68E-04	1.24E-04	8.04E-08	2.43E-07	1.41E-07	1.62E-07	1.47E-07	6.71E-08	3.09E-08	0.00E+00	0.00E+00	2.59E-08	5.51E-09	3.49E-08	5.39E-09	2.40E-09	7.41E-08
1611	494761.06	3858751.99	2.30E-04	2.65E-04	1.22E-04	7.96E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.64E-08	3.06E-08	0.00E+00	0.00E+00	2.56E-08	5.45E-09	3.46E-08	5.33E-09	2.37E-09	7.33E-08
1612	494811.06	3858751.99	2.25E-04	2.60E-04	1.20E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.50E-08	3.00E-08	0.00E+00	0.00E+00	2.50E-08	5.33E-09	3.38E-08	5.22E-09	2.32E-09	7.18E-08
1613	494861.06	3858751.99	2.21E-04	2.55E-04	1.17E-04	7.64E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.38E-08	2.94E-08	0.00E+00	0.00E+00	2.46E-08	5.23E-09	3.32E-08	5.12E-09	2.28E-09	7.04E-08
1614	494911.06	3858751.99	2.16E-04	2.49E-04	1.15E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.88E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.23E-09	6.89E-08
1615	494961.06	3858751.99	2.13E-04	2.45E-04	1.13E-04	7.36E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.14E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.04E-09	3.20E-08	4.93E-09	2.19E-09	6.78E-08
1616	495011.06	3858751.99	2.11E-04	2.43E-04	1.12E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.17E-09	6.71E-08
1617	495061.06	3858751.99	2.07E-04	2.39E-04	1.10E-04	7.17E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.76E-08	0.00E+00	0.00E+00	2.30E-08	4.91E-09	3.11E-08	4.80E-09	2.14E-09	6.60E-08
1618	495111.06	3858751.99	2.03E-04	2.34E-04	1.08E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.09E-09	6.47E-08
1619	495161.06	3858751.99	2.01E-04	2.32E-04	1.07E-04	6.94E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.67E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.02E-08	4.65E-09	2.07E-09	6.40E-08
1620	495211.06	3858751.99	1.98E-04	2.28E-04	1.05E-04	6.84E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.71E-08	2.63E-08	0.00E+00	0.00E+00	2.20E-08	4.68E-09	2.97E-08	4.58E-09	2.04E-09	6.30E-08
1621	495261.06	3858751.99	1.97E-04	2.27E-04	1.05E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.69E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.03E-09	6.28E-08
1622	495311.06	3858751.99	1.97E-04	2.27E-04	1.05E-04	6.80E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.68E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.03E-09	6.27E-08
1623	495361.06	3858751.99	1.96E-04	2.26E-04	1.04E-04	6.77E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.65E-08	2.61E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.94E-08	4.54E-09	2.02E-09	6.24E-08
1624	495411.06	3858751.99	1.96E-04	2.26E-04	1.04E-04	6.78E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.66E-08	2.61E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.95E-08	4.54E-09	2.02E-09	6.25E-08
1625	495461.06	3858751.99	1.95E-04	2.25E-04	1.04E-04	6.75E-08	2.04E-07	1.18E-07	1.36E-07	1.24E-07	5.64E-08	2.60E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.53E-09	2.01E-09	6.22E-08
1626	495511.06	3858751.99	1.94E-04	2.24E-04	1.03E-04	6.71E-08	2.03E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.58E-08	0.00E+00	0.00E+00	2.16E-08	4.59E-09	2.92E-08	4.50E-09	2.00E-09	6.18E-08
1627	495561.06	3858751.99	1.92E-04	2.22E-04	1.02E-04	6.66E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.55E-08	2.56E-08	0.00E+00	0.00E+00	2.14E-08	4.56E-09	2.89E-08	4.46E-09	1.98E-09	6.13E-08
1628	495611.06	3858751.99	1.91E-04	2.20E-04	1.01E-04	6.60E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.54E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.42E-09	1.97E-09	6.08E-08
1629	495661.06	3858751.99	1.90E-04	2.19E-04	1.01E-04	6.56E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.47E-08	2.52E-08	0.00E+00	0.00E+00	2.11E-08	4.49E-09	2.85E-08	4.40E-09	1.95E-09	6.05E-08
1630	494311.06	3858801.99	2.26E-04	2.60E-04	1.20E-04	7.81E-08	2.36E-07	1.36E-07	1.57E-07	1.43E-07	6.51E-08	3.01E-08	0.00E+00	0.00E+00	2.51E-08	5.35E-09	3.39E-08	5.23E-09	2.33E-09	7.19E-08
1631	494361.06	3858801.99	2.42E-04	2.79E-04	1.29E-04	8.36E-08	2.52E-07	1.46E-07	1.69E-07	1.53E-07	6.98E-08	3.22E-08	0.00E+00	0.00E+00	2.69E-08	5.72E-09	3.63E-08	5.60E-09	2.49E-09	7.70E-08
1632	494411.06	3858801.99	2.45E-04	2.83E-04	1.31E-04	8.49E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.09E-08	3.27E-08	0.00E+00	0.00E+00	2.73E-08	5.82E-09	3.69E-08	5.69E-09	2.53E-09	7.83E-08
1633	494461.06	3858801.99	2.47E-04	2.85E-04	1.32E-04	8.56E-08	2.58E-07	1.50E-07	1.73E-07	1.56E-07	7.14E-08	3.29E-08	0.00E+00	0.00E+00	2.75E-08	5.86E-09	3.72E-08	5.73E-09	2.55E-09	7.88E-08
1634	494511.06	3858801.99	2.47E-04	2.86E-04	1.32E-04	8.56E-08	2.59E-07	1.50E-07	1.73E-07	1.57E-07	7.15E-08	3.29E-08	0.00E+00	0.00E+00	2.75E-08	5.86E-09	3.72E-08	5.74E-09	2.55E-09	7.89E-08
1635	494561.06	3858801.99	2.47E-04	2.85E-04	1.31E-04	8.53E-08	2.58E-07	1.49E-07	1.72E-07	1.56E-07	7.12E-08	3.28E-08	0.00E+00	0.00E+00	2.74E-08	5.84E-09	3.71E-08	5.72E-09	2.54E-09	7.86E-08
1636	494611.06	3858801.99	2.45E-04	2.82E-04	1.30E-04	8.46E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.06E-08	3.26E-08	0.00E+00	0.00E+00	2.72E-08	5.80E-09	3.68E-08	5.67E-09	2.52E-09	7.80E-08
1637	494661.06	3858801.99	2.41E-04	2.78E-04	1.28E-04	8.34E-08	2.52E-07	1.46E-07	1.68E-07	1.52E-07	6.96E-08	3.21E-08	0.00E+00	0.00E+00	2.68E-08	5.71E-09	3.62E-08	5.59E-09	2.48E-09	7.68E-08
1638	494711.06	3858801.99	2.36E-04	2.73E-04	1.26E-04	8.18E-08	2.47E-07	1.43E-07	1.65E-07	1.50E-07	6.82E-08	3.15E-08	0.00E+00	0.00E+00	2.63E-08	5.60E-09	3.55E-08	5.48E-09	2.44E-09	7.53E-08
1639	494761.06	3858801.99	2.31E-04	2.66E-04	1.23E-04	7.99E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.67E-08	3.07E-08	0.00E+00	0.00E+00	2.57E-08	5.47E-09	3.47E-08	5.35E-09	2.38E-09	7.36E-08
1640	494811.06	3858801.99	2.25E-04	2.60E-04	1.20E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.50E-08	3.00E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.22E-09	2.32E-09	7.18E-08
1641	494861.06	3858801.99	2.22E-04	2.57E-04	1.18E-04	7.70E-08	2.32E-07	1.35E-07	1.55E-07	1.41E-07	6.42E-08	2.96E-08	0.00E+00	0.00E+00	2.47E-08	5.27E-09	3.34E-08	5.16E-09	2.29E-09	7.09E-08
1642	494911.06	3858801.99	2.18E-04	2.51E-04	1.16E-04	7.54E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.90E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.28E-08	5.05E-09	2.25E-09	6.95E-08
1643	494961.06	3858801.99	2.15E-04	2.48E-04	1.14E-04	7.43E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.21E-09	6.85E-08
1644	495011.06	3858801.99	2.11E-04	2.44E-04	1.12E-04	7.31E-08	2.21E-07	1.28E-07	1.47E-07	1.34E-07	6.10E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.18E-09	6.73E-08
1645	495061.06	3858801.99	2.09E-04	2.41E-04	1.11E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.32E-07	6.04E-08	2.78E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.14E-08	4.85E-09	2.16E-09	6.67E-08
1646	495111.06	3858801.99	2.05E-04	2.36E-04	1.09E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.91E-08	2.72E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.74E-09	2.11E-09	6.52E-08
1647	495161.06	3858801.99	2.01E-04	2.32E-04	1.07E-04	6.97E-08	2.10E-07	1.22E-07	1.41E-07	1.27E-07	5.81E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.08E-09	6.42E-08
1648	495211.06	3858801.99	2.00E-04	2.30E-04	1.06E-04	6.91E-08	2.09E-07	1.21E-07	1.39E-07	1.26E-07	5.77E-08	2.66E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.63E-09	2.06E-09	6.37E-08
1649	495261.06	3858801.99	1.99E-04	2.30E-04	1.06E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.65E-08	0.00E+00	0.00E+00	2.22E-08	4.72E-09	3.00E-08	4.62E-09	2.05E-09	6.35E-08
1650	495311.06	3858801.99	1.99E-04	2.30E-04	1.06E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.65E-08	0.00E+00	0.00E+00	2.21E-08	4.72E-09	2.99E-08	4.61E-09	2.05E-09	6.34E-08
1651	495361.06	3858801.99	1.98E-04	2.29E-04	1.05E-04	6.86E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.64E-08	0.00E+00	0.00E+00	2.21E-08	4.70E-09	2.98E-08	4.60E-09	2.04E-09	6.32E-08
1652	495411.06	3858801.99	1.99E-04	2.30E-04	1.06E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.65E-08	0.00E+00	0.00E+00	2.21E-08	4.72E-09	2.99E-08	4.61E-09	2.05E-09	6.35E-08
1653	495461.06	3858801.99	1.98E-04	2.28E-04	1.05E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.64E-08	0.00E+00	0.00E+00	2.20E-08	4.69E-09	2.98E-08	4.59E-09	2.04E-09	6.31E-08
1654	495511.06	3858801.99	1.96E-04	2.27E-04	1.04E-04	6.80E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.61E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.95E-08	4.56E-09	2.02E-09	6.26E-08
1655	495561.06	3858801.99	1.95E-04	2.25E-04	1.04E-04	6.75E-08	2.04E-07	1.18E-07	1.36E-07	1.24E-07	5.64E-08	2.60E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.53E-09	2.01E-09	6.22E-08
1656	495611.06	3858801.99	1.93E-04	2.23E-04	1.03E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.57E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	1.99E-09	6.16E-08
1657	495661.06	3858801.99	1.92E-04	2.22E-04	1.02E-04	6.65E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.55E-08	2.56E-08	0.00E+00	0.00E+00	2.14E-08	4.56E-09	2.89E-08	4.46E-09	1.98E-09	6.13E-08
1658	494311.06	3858851.99	2.41E-04	2.78E-04	1.28E-04	8.34E-08	2.52E-07	1.46E-07	1.68E-07	1.52E-07	6.95E-08	3.21E-08	0.00E+00	0.00E+00	2.68E-08	5.71E-09	3.62E-08	5.58E-09	2.48E-09	7.68E-08
1659	494361.06	3858851.99	2.49E-04	2.88E-04	1.33E-04	8.64E-08	2.61E-07	1.51E-07	1.74E-07	1.58E-07	7.21E-08	3.32E-08	0.00E+00	0.00E+00	2.78E-08	5.91E-09	3.75E-08	5.79E-09	2.57E-09	7.96E-08
1660	494411.06	3858851.99	2.49E-04	2.87E-04	1.33E-04	8.62E-08	2.60E-07	1.51E-07	1.74E-07	1.58E-07	7.19E-08	3.32E-08	0.00E+00	0.00E+00	2.77E-08	5.90E-09	3.75E-08	5.78E-09	2.57E-09	7.94E-08
1661	494461.06	3858851.99	2.50E-04	2.88E-04	1.33E-04	8.64E-08	2.61E-07	1.51E-07	1.74E-07	1.58E-07	7.21E-08	3.33E-08	0.00E+00	0.00E+00	2.78E-08	5.92E-09	3.76E-08	5.79E-09	2.58E-09	7.96E-08
1662	494511.06	3858851.99	2.49E-04	2.87E-04	1.32E-04	8.61E-08	2.60E-07	1.51E-07	1.74E-07	1.57E-07	7.19E-08	3.31E-08	0.00E+00	0.00E+00	2.77E-08	5.90E-09	3.74E-08	5.77E-09	2.56E-09	7.93E-08
1663	494561.06	3858851.99	2.47E-04	2.86E-04	1.32E-04	8.57E-08	2.59E-07	1.50E-07	1.73E-07	1.57E-07	7.15E-08	3.29E-08	0.00E+00	0.00E+00	2.75E-08	5.87E-09	3.72E-08	5.74E-09	2.55E-09	7.89E-08
1664	494611.06	3858851.99	2.45E-04	2.83E-04	1.30E-04	8.48E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.07E-08	3.26E-08	0.00E+00	0.00E+00	2.73E-08	5.80E-09	3.68E-08	5.68E-09	2.52E-09	7.81E-08
1665	494661.06	3858851.99	2.41E-04	2.79E-04	1.28E-04	8.36E-08	2.52E-07	1.46E-07	1.69E-07	1.53E-07	6.97E-08	3.21E-08	0.00E+00	0.00E+00	2.69E-08	5.72E-09	3.63E-08	5.60E-09	2.49E-09	7.70E-08
1666	494711.06	3858851.99	2.36E-04	2.73E-04	1.26E-04	8.17E-08	2.47E-07	1.43E-07	1.65E-07	1.49E-07	6.82E-08	3.14E-08	0.00E+00	0.00E+00	2.63E-08	5.60E-09	3.55E-08	5.48E-09	2.43E-09	7.53E-08
1667	494761.06	3858851.99	2.31E-04	2.67E-04	1.23E-04	8.00E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.67E-08	3.08E-08	0.00E+00	0.00E+00	2.57E-08	5.48E-09	3.47E-08	5.36E-09	2.38E-09	7.37E-08
1668	494811.06	3858851.99	2.27E-04	2.62E-04	1.21E-04	7.85E-08	2.37E-07	1.37E-07	1.58E-07	1.44E-07	6.55E-08	3.02E-08	0.00E+00	0.00E+00	2.52E-08	5.38E-09	3.41E-08	5.26E-09	2.34E-09	7.23E-08
1669	494861.06	3858851.99	2.24E-04	2.59E-04	1.19E-04	7.76E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.47E-08	2.98E-08	0.00E+00	0.00E+00	2.50E-08	5.31E-09	3.37E-08	5.20E-09	2.31E-09	7.15E-08
1670	494911.06	3858851.99	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.36E-08	2.93E-08	0.00E+00	0.00E+00	2.45E-08	5.22E-09	3.31E-08	5.11E-09	2.27E-09	7.02E-08
1671	494961.06	3858851.99	2.17E-04	2.50E-04	1.15E-04	7.51E-08	2.27E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.89E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.24E-09	6.92E-08
1672	495011.06	3858851.99	2.14E-04	2.47E-04	1.14E-04	7.41E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.85E-08	0.00E+00	0.00E+00	2.38E-08	5.08E-09	3.22E-08	4.97E-09	2.21E-09	6.83E-08
1673	495061.06	3858851.99	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.34E-07	6.09E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.17E-09	6.73E-08

1674	495111.06	3858851.99	2.05E-04	2.36E-04	1.09E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.91E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.75E-09	2.11E-09	6.53E-08
1675	495161.06	3858851.99	2.02E-04	2.33E-04	1.07E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.67E-09	2.08E-09	6.43E-08
1676	495211.06	3858851.99	2.02E-04	2.33E-04	1.08E-04	6.99E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.69E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.08E-09	6.44E-08
1677	495261.06	3858851.99	2.01E-04	2.33E-04	1.07E-04	6.97E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.67E-09	2.08E-09	6.43E-08
1678	495311.06	3858851.99	2.02E-04	2.33E-04	1.07E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.68E-09	2.08E-09	6.43E-08
1679	495361.06	3858851.99	2.01E-04	2.32E-04	1.07E-04	6.96E-08	2.10E-07	1.22E-07	1.40E-07	1.27E-07	5.81E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.07E-09	6.41E-08
1680	495411.06	3858851.99	2.01E-04	2.32E-04	1.07E-04	6.95E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.67E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.07E-09	6.40E-08
1681	495461.06	3858851.99	2.00E-04	2.31E-04	1.07E-04	6.94E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.67E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.02E-08	4.65E-09	2.07E-09	6.39E-08
1682	495511.06	3858851.99	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.74E-09	3.01E-08	4.64E-09	2.06E-09	6.38E-08
1683	495561.06	3858851.99	1.97E-04	2.27E-04	1.05E-04	6.81E-08	2.06E-07	1.19E-07	1.37E-07	1.25E-07	5.68E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.03E-09	6.27E-08
1684	495611.06	3858851.99	1.94E-04	2.24E-04	1.03E-04	6.73E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.62E-08	2.59E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.93E-08	4.51E-09	2.00E-09	6.20E-08
1685	495661.06	3858851.99	1.94E-04	2.24E-04	1.03E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.61E-08	2.59E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.50E-09	2.00E-09	6.19E-08
1686	494311.06	3858901.99	2.46E-04	2.83E-04	1.31E-04	8.50E-08	2.57E-07	1.49E-07	1.71E-07	1.55E-07	7.09E-08	3.27E-08	0.00E+00	0.00E+00	2.73E-08	5.82E-09	3.69E-08	5.69E-09	2.53E-09	7.83E-08
1687	494361.06	3858901.99	2.52E-04	2.90E-04	1.34E-04	8.71E-08	2.63E-07	1.52E-07	1.76E-07	1.59E-07	7.27E-08	3.35E-08	0.00E+00	0.00E+00	2.80E-08	5.96E-09	3.78E-08	5.84E-09	2.60E-09	8.03E-08
1688	494411.06	3858901.99	2.52E-04	2.91E-04	1.34E-04	8.73E-08	2.64E-07	1.53E-07	1.76E-07	1.60E-07	7.28E-08	3.36E-08	0.00E+00	0.00E+00	2.81E-08	5.98E-09	3.79E-08	5.85E-09	2.60E-09	8.04E-08
1689	494461.06	3858901.99	2.52E-04	2.91E-04	1.34E-04	8.72E-08	2.63E-07	1.52E-07	1.76E-07	1.60E-07	7.28E-08	3.35E-08	0.00E+00	0.00E+00	2.81E-08	5.97E-09	3.79E-08	5.85E-09	2.60E-09	8.04E-08
1690	494511.06	3858901.99	2.52E-04	2.91E-04	1.34E-04	8.72E-08	2.63E-07	1.52E-07	1.76E-07	1.59E-07	7.27E-08	3.35E-08	0.00E+00	0.00E+00	2.80E-08	5.97E-09	3.79E-08	5.84E-09	2.60E-09	8.03E-08
1691	494561.06	3858901.99	2.49E-04	2.88E-04	1.33E-04	8.63E-08	2.60E-07	1.51E-07	1.74E-07	1.58E-07	7.20E-08	3.32E-08	0.00E+00	0.00E+00	2.77E-08	5.91E-09	3.75E-08	5.78E-09	2.57E-09	7.95E-08
1692	494611.06	3858901.99	2.44E-04	2.82E-04	1.30E-04	8.46E-08	2.55E-07	1.48E-07	1.71E-07	1.55E-07	7.06E-08	3.25E-08	0.00E+00	0.00E+00	2.72E-08	5.79E-09	3.67E-08	5.67E-09	2.52E-09	7.79E-08
1693	494661.06	3858901.99	2.42E-04	2.79E-04	1.29E-04	8.37E-08	2.53E-07	1.46E-07	1.69E-07	1.53E-07	6.98E-08	3.22E-08	0.00E+00	0.00E+00	2.69E-08	5.73E-09	3.64E-08	5.61E-09	2.49E-09	7.71E-08
1694	494711.06	3858901.99	2.37E-04	2.74E-04	1.26E-04	8.21E-08	2.48E-07	1.43E-07	1.66E-07	1.50E-07	6.85E-08	3.16E-08	0.00E+00	0.00E+00	2.64E-08	5.62E-09	3.57E-08	5.50E-09	2.44E-09	7.56E-08
1695	494761.06	3858901.99	2.31E-04	2.67E-04	1.23E-04	8.01E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.08E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.39E-09	7.38E-08
1696	494811.06	3858901.99	2.28E-04	2.64E-04	1.21E-04	7.90E-08	2.39E-07	1.38E-07	1.59E-07	1.45E-07	6.60E-08	3.04E-08	0.00E+00	0.00E+00	2.54E-08	5.41E-09	3.43E-08	5.30E-09	2.35E-09	7.28E-08
1697	494861.06	3858901.99	2.26E-04	2.61E-04	1.20E-04	7.82E-08	2.36E-07	1.37E-07	1.58E-07	1.43E-07	6.53E-08	3.01E-08	0.00E+00	0.00E+00	2.52E-08	5.36E-09	3.40E-08	5.24E-09	2.33E-09	7.21E-08
1698	494911.06	3858901.99	2.20E-04	2.54E-04	1.17E-04	7.63E-08	2.30E-07	1.33E-07	1.54E-07	1.40E-07	6.37E-08	2.93E-08	0.00E+00	0.00E+00	2.45E-08	5.23E-09	3.32E-08	5.11E-09	2.27E-09	7.03E-08
1699	494961.06	3858901.99	2.18E-04	2.51E-04	1.16E-04	7.53E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.28E-08	2.90E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.24E-09	6.94E-08
1700	495011.06	3858901.99	2.15E-04	2.48E-04	1.14E-04	7.43E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.21E-09	6.85E-08
1701	495061.06	3858901.99	2.10E-04	2.43E-04	1.12E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.17E-09	6.71E-08
1702	495111.06	3858901.99	2.04E-04	2.36E-04	1.09E-04	7.07E-08	2.13E-07	1.24E-07	1.43E-07	1.29E-07	5.90E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.74E-09	2.11E-09	6.51E-08
1703	495161.06	3858901.99	2.03E-04	2.34E-04	1.08E-04	7.01E-08	2.12E-07	1.23E-07	1.41E-07	1.28E-07	5.85E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.80E-09	3.05E-08	4.70E-09	2.09E-09	6.46E-08
1704	495211.06	3858901.99	2.04E-04	2.36E-04	1.09E-04	7.07E-08	2.13E-07	1.24E-07	1.43E-07	1.29E-07	5.90E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.74E-09	2.10E-09	6.51E-08
1705	495261.06	3858901.99	2.04E-04	2.36E-04	1.09E-04	7.06E-08	2.13E-07	1.23E-07	1.43E-07	1.29E-07	5.90E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.73E-09	2.10E-09	6.51E-08
1706	495311.06	3858901.99	2.03E-04	2.35E-04	1.08E-04	7.04E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.71E-08	0.00E+00	0.00E+00	2.26E-08	4.82E-09	3.06E-08	4.72E-09	2.10E-09	6.49E-08
1707	495361.06	3858901.99	2.03E-04	2.34E-04	1.08E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.09E-09	6.47E-08
1708	495411.06	3858901.99	2.03E-04	2.35E-04	1.08E-04	7.04E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.71E-08	0.00E+00	0.00E+00	2.26E-08	4.82E-09	3.06E-08	4.72E-09	2.10E-09	6.48E-08
1709	495461.06	3858901.99	2.02E-04	2.33E-04	1.08E-04	7.00E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.69E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.08E-09	6.45E-08
1710	495511.06	3858901.99	2.00E-04	2.31E-04	1.07E-04	6.94E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.67E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.01E-08	4.65E-09	2.07E-09	6.39E-08
1711	495561.06	3858901.99	1.99E-04	2.30E-04	1.06E-04	6.88E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.65E-08	0.00E+00	0.00E+00	2.21E-08	4.72E-09	2.99E-08	4.61E-09	2.05E-09	6.34E-08
1712	495611.06	3858901.99	1.97E-04	2.27E-04	1.05E-04	6.81E-08	2.06E-07	1.19E-07	1.37E-07	1.25E-07	5.68E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.03E-09	6.27E-08
1713	495661.06	3858901.99	1.97E-04	2.27E-04	1.05E-04	6.81E-08	2.06E-07	1.19E-07	1.37E-07	1.25E-07	5.68E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.03E-09	6.27E-08
1714	494311.06	3858951.99	2.53E-04	2.92E-04	1.35E-04	8.76E-08	2.64E-07	1.53E-07	1.77E-07	1.60E-07	7.31E-08	3.37E-08	0.00E+00	0.00E+00	2.82E-08	6.00E-09	3.81E-08	5.87E-09	2.61E-09	8.07E-08
1715	494361.06	3858951.99	2.55E-04	2.94E-04	1.36E-04	8.83E-08	2.67E-07	1.54E-07	1.78E-07	1.62E-07	7.37E-08	3.40E-08	0.00E+00	0.00E+00	2.84E-08	6.05E-09	3.84E-08	5.92E-09	2.63E-09	8.14E-08
1716	494411.06	3858951.99	2.53E-04	2.92E-04	1.35E-04	8.77E-08	2.65E-07	1.53E-07	1.77E-07	1.60E-07	7.32E-08	3.37E-08	0.00E+00	0.00E+00	2.82E-08	6.01E-09	3.81E-08	5.88E-09	2.61E-09	8.08E-08
1717	494461.06	3858951.99	2.53E-04	2.93E-04	1.35E-04	8.77E-08	2.65E-07	1.53E-07	1.77E-07	1.60E-07	7.32E-08	3.37E-08	0.00E+00	0.00E+00	2.82E-08	6.01E-09	3.81E-08	5.88E-09	2.61E-09	8.08E-08
1718	494511.06	3858951.99	2.52E-04	2.91E-04	1.34E-04	8.73E-08	2.64E-07	1.53E-07	1.76E-07	1.60E-07	7.28E-08	3.35E-08	0.00E+00	0.00E+00	2.81E-08	5.98E-09	3.79E-08	5.85E-09	2.60E-09	8.04E-08
1719	494561.06	3858951.99	2.50E-04	2.88E-04	1.33E-04	8.64E-08	2.61E-07	1.51E-07	1.74E-07	1.58E-07	7.21E-08	3.32E-08	0.00E+00	0.00E+00	2.78E-08	5.92E-09	3.76E-08	5.79E-09	2.57E-09	7.96E-08
1720	494611.06	3858951.99	2.46E-04	2.84E-04	1.31E-04	8.51E-08	2.57E-07	1.49E-07	1.72E-07	1.56E-07	7.10E-08	3.27E-08	0.00E+00	0.00E+00	2.74E-08	5.83E-09	3.70E-08	5.70E-09	2.53E-09	7.84E-08
1721	494661.06	3858951.99	2.42E-04	2.80E-04	1.29E-04	8.38E-08	2.53E-07	1.47E-07	1.69E-07	1.53E-07	7.00E-08	3.22E-08	0.00E+00	0.00E+00	2.70E-08	5.74E-09	3.64E-08	5.62E-09	2.50E-09	7.72E-08
1722	494711.06	3858951.99	2.37E-04	2.73E-04	1.26E-04	8.19E-08	2.47E-07	1.43E-07	1.65E-07	1.50E-07	6.84E-08	3.15E-08	0.00E+00	0.00E+00	2.63E-08	5.61E-09	3.56E-08	5.49E-09	2.44E-09	7.55E-08
1723	494761.06	3858951.99	2.33E-04	2.69E-04	1.24E-04	8.06E-08	2.43E-07	1.41E-07	1.63E-07	1.47E-07	6.72E-08	3.10E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.50E-08	5.40E-09	2.40E-09	7.42E-08
1724	494811.06	3858951.99	2.30E-04	2.66E-04	1.22E-04	7.97E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.06E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.37E-09	7.34E-08
1725	494861.06	3858951.99	2.28E-04	2.63E-04	1.21E-04	7.88E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.57E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.28E-09	2.34E-09	7.26E-08
1726	494911.06	3858951.99	2.23E-04	2.58E-04	1.19E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.97E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.18E-09	2.30E-09	7.12E-08
1727	494961.06	3858951.99	2.21E-04	2.56E-04	1.18E-04	7.67E-08	2.31E-07	1.34E-07	1.55E-07	1.40E-07	6.40E-08	2.95E-08	0.00E+00	0.00E+00	2.47E-08	5.25E-09	3.33E-08	5.14E-09	2.28E-09	7.06E-08
1728	495011.06	3858951.99	2.15E-04	2.48E-04	1.14E-04	7.44E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.21E-09	6.85E-08
1729	495061.06	3858951.99	2.08E-04	2.41E-04	1.11E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.02E-08	2.77E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.14E-08	4.84E-09	2.15E-09	6.65E-08
1730	495111.06	3858951.99	2.04E-04	2.35E-04	1.08E-04	7.05E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.71E-08	0.00E+00	0.00E+00	2.27E-08	4.83E-09	3.06E-08	4.73E-09	2.10E-09	6.50E-08
1731	495161.06	3858951.99	2.06E-04	2.38E-04	1.10E-04	7.14E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.89E-09	3.10E-08	4.79E-09	2.13E-09	6.58E-08
1732	495211.06	3858951.99	2.06E-04	2.38E-04	1.10E-04	7.14E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.89E-09	3.10E-08	4.79E-09	2.13E-09	6.58E-08
1733	495261.06	3858951.99	2.06E-04	2.38E-04	1.10E-04	7.14E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.89E-09	3.10E-08	4.79E-09	2.13E-09	6.58E-08
1734	495311.06	3858951.99	2.04E-04	2.36E-04	1.09E-04	7.07E-08	2.13E-07	1.24E-07	1.43E-07	1.29E-07	5.90E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.74E-09	2.10E-09	6.51E-08
1735	495361.06	3858951.99	2.04E-04	2.36E-04	1.09E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.91E-08	2.72E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.74E-09	2.11E-09	6.52E-08
1736	495411.06	3858951.99	2.05E-04	2.37E-04	1.09E-04	7.10E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.92E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.08E-08	4.76E-09	2.11E-09	6.54E-08
1737	495461.06	3858951.99	2.04E-04	2.36E-04	1.09E-04	7.07E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.90E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.74E-09	2.10E-09	6.52E-08
1738	495511.06	3858951.99	2.04E-04	2.36E-04	1.09E-04	7.07E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.90E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.74E-09	2.11E-09	6.52E-08
1739	495561.06	3858951.99	2.01E-04	2.32E-04	1.07E-04	6.96E-08	2.10E-07	1.22E-07	1.40E-07	1.27E-07	5.81E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.76E-09	3.02E-08	4.66E-09	2.07E-09	6.41E-08
1740	495611.06	3858951.99	1.99E-04	2.30E-04	1.06E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.65E-08	0.00E+00	0.00E+00	2.22E-08	4.72E-09	3.00E-08	4.62E-09	2.05E-09	6.35E-08
1741	495661.06	3858951.99	1.99E-04	2.30E-04	1.06E-04	6.90E-08	2.08E-07	1.21E-07	1.39E-07	1.26E-07	5.76E-08	2.65E-08	0.00E+00	0.00E+00	2.22E-08	4.72E-09	3.00E-08	4.62E-09	2.05E-09	6.35E-08
1742	494311.06	3859001.99	2.57E-04	2.97E-04	1.37E-04	8.89E-08	2.69E-07	1.55E-07	1.79E-07	1.63E-07	7.42E-08	3.42E-08	0.00E+00	0.00E+00	2.86E-08	6.09E-09	3.87E-08	5.96E-09	2.65E-09	8.20E-08
1743	494361.06	3859001.99	2.57E-04	2.96E-04	1.36E-04	8.88E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.41E-08	3.41E-08	0.00E+00	0.00E+00	2.86E-08	6.08E-09	3.86E-08	5.95E-09	2.64E-09	8.18E-08
1744	494411.06	3859001.99	2.55E-04	2.95E-04	1.36E-04	8.84E-08	2.67E-07	1.55E-07	1.78E-07	1.62E-07	7.38E-08	3.40E-08	0.00E+00	0.00E+00	2.84E-08	6.06E-09	3.84E-08	5.93E-09	2.63E-09	8.15E-08
1745	494461.06	3859001.99	2.54E-04	2.94E-04	1.35E-04	8.80E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.35E-08	3.38E-08	0.00E+00	0.00E+00	2.83E-08	6.03E-09	3.83E-08	5.90E-09	2.62E-09	8.11E-08
1746	494511.06	3859001.99	2.53E-04	2.92E-04	1.35E-04	8.76E-08	2.65E-07	1.53E-07	1.77E-07	1.60E-07	7.31E-08	3.37E-08	0.00E+00	0.00E+00	2.82E-08	6.00E-09	3.81E-08	5.87E-09	2.61E-09	8.07E-08
1747	494561.06	3859001.99	2.50E-04	2.88E-04	1.33E-04	8.64E-08	2.61E-07	1.51E-07	1.74E-07	1.58E-07	7.21E-08	3.32E-08	0.00E+00	0.00E+00	2.78E-08	5.92E-09	3.75E-08	5.79E-09	2.57E-09	7.96E-08
1748	494611.06	3859001.99	2.46E-04	2.84E-04	1.31E-04	8.52E-08	2.57E-07	1.49E-07	1.72E-07	1.56E-07	7.11E-08	3.27E-08	0.00E+00	0.00E+00	2.74E-08	5.84E-09	3.70E-08	5.71E-09	2.54E-09	7.85E-08
1749	494661.06	3859001.99	2.42E-04	2.79E-04	1.29E-04	8.38E-08	2.53E-07	1.46E-07	1.69E-07	1.53E-07	6.99E-08	3.22E-08	0.00E+00	0.00E+00	2.69E-08	5.74E-09	3.64E-08	5.61E-09	2.49E-09	7.72E-08
1750	494711.06	3859001.99	2.37E-04	2.73E-04	1.26E-04	8.20E-08	2.48E-07	1.43E-07	1.65E-07	1.50E-07	6.84E-08	3.15E-08	0.00E+00	0.00E+00	2.64E-08	5.61E-09	3.56E-08	5.49E-09	2.44E-09	7.55E-08
1751	494761.06	3859001.99	2.34E-04	2.70E-04	1.24E-04	8.09E-08	2.44E-07	1.41E-07	1.63E-07	1.48E-07	6.75E-08	3.11E-08	0.00E+00	0.00E+00	2.60E-08	5.54E-09	3.52E-08	5.42E-09	2.41E-09	7.46E-08
1752	494811.06	3859001.99	2.32E-04	2.68E-04	1.23E-04	8.03E-08	2.43E-07	1.40E-07	1.62E-07	1.47E-07	6.71E-08	3.09E-08	0.00E+00	0.00E+00	2.58E-08	5.50E-09	3.49E-08	5.38E-09	2.39E-09	7.40E-08
1753	494861.06	3859001.99	2.29E-04	2.64E-04	1.22E-04	7.92E-08	2.39E-07	1.38E-07	1.60E-07	1.45E-07	6.61E-08	3.04E-08	0.00E+00	0.00E+00	2.55E-08	5.42E-09	3.44E-08	5.31E-09	2.36E-09	7.30E-08
1754	494911.06	3859001.99	2.25E-04	2.60E-04	1.20E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.50E-08	2.99E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.22E-09	2.32E-09	7.18E-08
1755	494961.06	3859001.99	2.21E-04	2.55E-04	1.18E-04	7.66E-08	2.31E-07	1.34E-07	1.55E-07	1.40E-07	6.39E-08	2.94E-08	0.00E+00	0.00E+00	2.46E-08	5.25E-09	3.33E-08	5.13E-09	2.28E-09	7.06E-08
1756	495011.06	3859001.99	2.10E-04	2.43E-04	1.12E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.17E-09	6.71E-08
1757	495061.06	3859001.99	2.09E-04	2.41E-04	1.11E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.78E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.15E-09	6.66E-08
1758	495111.06	3859001.99	2.04E-04	2.36E-04	1.09E-04	7.07E-08	2.13E-07	1.24E-07	1.43E-07	1.29E-07	5.90E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.74E-09	2.11E-09	6.51E-08
1759	495161.06	3859001.99	2.08E-04	2.40E-04	1.11E-04	7.21E-08	2.18E-07	1.26E-07	1.45E-07	1.32E-07	6.02E-08	2.77E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.13E-08	4.83E-09	2.15E-09	6.64E-08
1760	495211.06	3859001.99	2.08E-04	2.40E-04	1.10E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.31E-07	6.00E-08	2.76E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.82E-09	2.14E-09	6.62E-08
1761	495261.06	3859001.99	2.08E-04	2.40E-04	1.11E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.00E-08	2.77E-08	0.00E+00	0.00E+00	2.31E-08	4.93E-09	3.13E-08	4.82E-09	2.14E-09	6.63E-08
1762	495311.06	3859001.99	2.07E-04	2.39E-04	1.10E-04	7.16E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.91E-09	3.11E-08	4.80E-09	2.13E-09	6.60E-08
1763	495361.06	3859001.99	2.07E-04	2.39E-04	1.10E-04	7.17E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.76E-08	0.00E+00	0.00E+00	2.30E-08	4.91E-09	3.12E-08	4.80E-09	2.13E-09	6.60E-08
1764	495411.06	3859001.99	2.07E-04	2.39E-04	1.10E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.79E-09	2.13E-09	6.59E-08
1765	495461.06	3859001.99	2.06E-04	2.38E-04	1.10E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.79E-09	2.13E-09	6.59E-08
1766	495511.06	3859001.99	2.04E-04	2.36E-04	1.08E-04	7.06E-08	2.13E-07	1.23E-07	1.43E-07	1.29E-07	5.89E-08	2.71E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.73E-09	2.10E-09	6.51E-08
1767	495561.06	3859001.99	2.03E-04	2.34E-04	1.08E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.70E-09	2.09E-09	6.47E-08
1768	495611.06	3859001.99	2.01E-04	2.32E-04	1.07E-04	6.97E-08	2.10E-07	1.22E-07	1.41E-07	1.27E-07	5.81E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.07E-09	6.42E-08
1769	495661.06	3859001.99	2.03E-04	2.34E-04	1.08E-04	7.01E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.85E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.80E-09	3.05E-08	4.70E-09	2.09E-09	6.46E-08
1770	494311.06	3859051.99	2.59E-04	2.99E-04	1.38E-04	8.96E-08	2.71E-07	1.57E-07	1.81E-07	1.64E-07	7.48E-08	3.44E-08	0.00E+00	0.00E+00	2.88E-08	6.14E-09	3.89E-08	6.01E-09	2.67E-09	8.26E-08
1771	494361.06	3859051.99	2.58E-04	2.98E-04	1.37E-04	8.94E-08	2.70E-07	1.56E-07	1.80E-07	1.63E-07	7.46E-08	3.43E-08	0.00E+00	0.00E+00	2.87E-08	6.12E-09	3.88E-08	5.99E-09	2.66E-09	8.23E-08
1772	494411.06	3859051.99	2.56E-04	2.96E-04	1.36E-04	8.88E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.41E-08	3.41E-08	0.00E+00	0.00E+00	2.85E-08	6.08E-09	3.86E-08	5.95E-09	2.64E-09	8.18E-08
1773	494461.06	3859051.99	2.54E-04	2.94E-04	1.35E-04	8.80E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.35E-08	3.38E-08	0.00E+00	0.00E+00	2.83E-08	6.03E-09	3.83E-08	5.90E-09	2.62E-09	8.11E-08
1774	494511.06	3859051.99	2.52E-04	2.90E-04	1.34E-04	8.71E-08	2.63E-07	1.52E-07	1.76E-07	1.59E-07	7.27E-08	3.34E-08	0.00E+00	0.00E+00	2.80E-08	5.96E-09	3.78E-08	5.84E-09	2.59E-09	8.02E-08
1775	494561.06	3859051.99	2.49E-04	2.88E-04	1.32E-04	8.63E-08	2.60E-07	1.51E-07	1.74E-07	1.58E-07	7.20E-08	3.31E-08	0.00E+00	0.00E+00	2.77E-08	5.91E-09	3.75E-08	5.78E-09	2.57E-09	7.95E-08
1776	494611.06	3859051.99	2.46E-04	2.84E-04	1.31E-04	8.51E-08	2.57E-07	1.49E-07	1.72E-07	1.56E-07	7.10E-08	3.27E-08	0.00E+00	0.00E+00	2.74E-08	5.83E-09	3.70E-08	5.70E-09	2.53E-09	7.84E-08
1777	494661.06	3859051.99	2.42E-04	2.80E-04	1.29E-04	8.38E-08	2.53E-07	1.47E-07	1.69E-07	1.53E-07	7.00E-08	3.22E-08	0.00E+00	0.00E+00	2.70E-08	5.74E-09	3.64E-08	5.62E-09	2.49E-09	7.72E-08
1778	494711.06	3859051.99	2.39E-04	2.76E-04	1.27E-04	8.26E-08	2.49E-07	1.44E-07	1.67E-07	1.51E-07	6.90E-08	3.17E-08	0.00E+00	0.00E+00	2.66E-08	5.66E-09	3.59E-08	5.54E-09	2.46E-09	7.61E-08

1779	494761.06	3859051.99	2.35E-04	2.71E-04	1.25E-04	8.13E-08	2.46E-07	1.42E-07	1.64E-07	1.49E-07	6.79E-08	3.12E-08	0.00E+00	0.00E+00	2.62E-08	5.57E-09	3.53E-08	5.45E-09	2.42E-09	7.49E-08
1780	494811.06	3859051.99	2.32E-04	2.68E-04	1.24E-04	8.04E-08	2.43E-07	1.41E-07	1.62E-07	1.47E-07	6.71E-08	3.09E-08	0.00E+00	0.00E+00	2.59E-08	5.51E-09	3.50E-08	5.39E-09	2.39E-09	7.41E-08
1781	494861.06	3859051.99	2.30E-04	2.65E-04	1.22E-04	7.95E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.64E-08	3.06E-08	0.00E+00	0.00E+00	2.56E-08	5.45E-09	3.46E-08	5.33E-09	2.37E-09	7.33E-08
1782	494911.06	3859051.99	2.25E-04	2.60E-04	1.20E-04	7.80E-08	2.36E-07	1.36E-07	1.57E-07	1.43E-07	6.51E-08	3.00E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.23E-09	2.32E-09	7.19E-08
1783	494961.06	3859051.99	2.19E-04	2.52E-04	1.16E-04	7.57E-08	2.29E-07	1.32E-07	1.53E-07	1.38E-07	6.32E-08	2.91E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.25E-09	6.97E-08
1784	495011.06	3859051.99	2.14E-04	2.47E-04	1.14E-04	7.39E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.84E-08	0.00E+00	0.00E+00	2.38E-08	5.06E-09	3.21E-08	4.96E-09	2.20E-09	6.81E-08
1785	495061.06	3859051.99	2.10E-04	2.43E-04	1.12E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.17E-09	6.71E-08
1786	495111.06	3859051.99	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.78E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.15E-09	6.66E-08
1787	495161.06	3859051.99	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.33E-07	6.09E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.17E-09	6.72E-08
1788	495211.06	3859051.99	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.78E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.85E-09	2.15E-09	6.66E-08
1789	495261.06	3859051.99	2.10E-04	2.42E-04	1.12E-04	7.27E-08	2.19E-07	1.27E-07	1.47E-07	1.33E-07	6.06E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.87E-09	2.16E-09	6.69E-08
1790	495311.06	3859051.99	2.09E-04	2.41E-04	1.11E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.78E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.15E-09	6.66E-08
1791	495361.06	3859051.99	2.08E-04	2.41E-04	1.11E-04	7.21E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.02E-08	2.77E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.14E-08	4.83E-09	2.15E-09	6.65E-08
1792	495411.06	3859051.99	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.78E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.15E-09	6.66E-08
1793	495461.06	3859051.99	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.04E-08	2.78E-08	0.00E+00	0.00E+00	2.33E-08	4.95E-09	3.14E-08	4.85E-09	2.15E-09	6.66E-08
1794	495511.06	3859051.99	2.06E-04	2.38E-04	1.10E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.89E-09	3.11E-08	4.79E-09	2.13E-09	6.58E-08
1795	495561.06	3859051.99	2.05E-04	2.36E-04	1.09E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.91E-08	2.72E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.75E-09	2.11E-09	6.53E-08
1796	495611.06	3859051.99	2.03E-04	2.34E-04	1.08E-04	7.03E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.70E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.09E-09	6.48E-08
1797	495661.06	3859051.99	2.04E-04	2.36E-04	1.08E-04	7.07E-08	2.13E-07	1.24E-07	1.43E-07	1.29E-07	5.90E-08	2.72E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.74E-09	2.10E-09	6.51E-08
1798	494311.06	3859101.99	2.60E-04	3.00E-04	1.38E-04	8.99E-08	2.72E-07	1.57E-07	1.81E-07	1.65E-07	7.51E-08	3.45E-08	0.00E+00	0.00E+00	2.89E-08	6.16E-09	3.91E-08	6.03E-09	2.67E-09	8.29E-08
1799	494361.06	3859101.99	2.58E-04	2.98E-04	1.37E-04	8.94E-08	2.70E-07	1.56E-07	1.80E-07	1.64E-07	7.46E-08	3.43E-08	0.00E+00	0.00E+00	2.88E-08	6.12E-09	3.89E-08	5.99E-09	2.66E-09	8.24E-08
1800	494411.06	3859101.99	2.57E-04	2.97E-04	1.37E-04	8.90E-08	2.69E-07	1.56E-07	1.80E-07	1.63E-07	7.43E-08	3.42E-08	0.00E+00	0.00E+00	2.86E-08	6.10E-09	3.87E-08	5.97E-09	2.65E-09	8.20E-08
1801	494461.06	3859101.99	2.55E-04	2.94E-04	1.35E-04	8.83E-08	2.67E-07	1.54E-07	1.78E-07	1.61E-07	7.37E-08	3.39E-08	0.00E+00	0.00E+00	2.84E-08	6.05E-09	3.84E-08	5.92E-09	2.62E-09	8.13E-08
1802	494511.06	3859101.99	2.52E-04	2.91E-04	1.34E-04	8.72E-08	2.63E-07	1.52E-07	1.76E-07	1.59E-07	7.28E-08	3.35E-08	0.00E+00	0.00E+00	2.80E-08	5.97E-09	3.79E-08	5.84E-09	2.59E-09	8.03E-08
1803	494561.06	3859101.99	2.49E-04	2.88E-04	1.32E-04	8.63E-08	2.60E-07	1.51E-07	1.74E-07	1.58E-07	7.20E-08	3.31E-08	0.00E+00	0.00E+00	2.77E-08	5.91E-09	3.75E-08	5.78E-09	2.56E-09	7.95E-08
1804	494611.06	3859101.99	2.45E-04	2.83E-04	1.30E-04	8.49E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.08E-08	3.26E-08	0.00E+00	0.00E+00	2.73E-08	5.81E-09	3.69E-08	5.69E-09	2.52E-09	7.82E-08
1805	494661.06	3859101.99	2.43E-04	2.80E-04	1.29E-04	8.40E-08	2.53E-07	1.47E-07	1.69E-07	1.54E-07	7.01E-08	3.22E-08	0.00E+00	0.00E+00	2.70E-08	5.75E-09	3.65E-08	5.63E-09	2.50E-09	7.74E-08
1806	494711.06	3859101.99	2.38E-04	2.74E-04	1.26E-04	8.23E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.87E-08	3.16E-08	0.00E+00	0.00E+00	2.65E-08	5.64E-09	3.58E-08	5.51E-09	2.45E-09	7.58E-08
1807	494761.06	3859101.99	2.37E-04	2.73E-04	1.26E-04	8.19E-08	2.47E-07	1.43E-07	1.65E-07	1.50E-07	6.84E-08	3.15E-08	0.00E+00	0.00E+00	2.63E-08	5.61E-09	3.56E-08	5.49E-09	2.44E-09	7.55E-08
1808	494811.06	3859101.99	2.33E-04	2.69E-04	1.24E-04	8.08E-08	2.44E-07	1.41E-07	1.63E-07	1.48E-07	6.74E-08	3.10E-08	0.00E+00	0.00E+00	2.60E-08	5.53E-09	3.51E-08	5.41E-09	2.40E-09	7.44E-08
1809	494861.06	3859101.99	2.31E-04	2.66E-04	1.22E-04	7.98E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.66E-08	3.07E-08	0.00E+00	0.00E+00	2.57E-08	5.47E-09	3.47E-08	5.35E-09	2.37E-09	7.35E-08
1810	494911.06	3859101.99	2.26E-04	2.61E-04	1.20E-04	7.83E-08	2.36E-07	1.37E-07	1.58E-07	1.43E-07	6.54E-08	3.01E-08	0.00E+00	0.00E+00	2.52E-08	5.36E-09	3.40E-08	5.25E-09	2.33E-09	7.22E-08
1811	494961.06	3859101.99	2.19E-04	2.53E-04	1.17E-04	7.59E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.33E-08	2.92E-08	0.00E+00	0.00E+00	2.44E-08	5.20E-09	3.30E-08	5.09E-09	2.26E-09	6.99E-08
1812	495011.06	3859101.99	2.12E-04	2.44E-04	1.13E-04	7.33E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.02E-09	3.19E-08	4.91E-09	2.18E-09	6.75E-08
1813	495061.06	3859101.99	2.12E-04	2.45E-04	1.13E-04	7.34E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.13E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.19E-09	6.77E-08
1814	495111.06	3859101.99	2.10E-04	2.43E-04	1.12E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.16E-08	4.88E-09	2.17E-09	6.71E-08
1815	495161.06	3859101.99	2.12E-04	2.45E-04	1.13E-04	7.34E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.13E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.18E-09	6.77E-08
1816	495211.06	3859101.99	2.11E-04	2.43E-04	1.12E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.17E-09	6.72E-08
1817	495261.06	3859101.99	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.34E-07	6.09E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.17E-09	6.73E-08
1818	495311.06	3859101.99	2.11E-04	2.44E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.34E-07	6.10E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.17E-09	6.73E-08
1819	495361.06	3859101.99	2.11E-04	2.44E-04	1.12E-04	7.31E-08	2.21E-07	1.28E-07	1.47E-07	1.34E-07	6.10E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.18E-08	4.90E-09	2.17E-09	6.73E-08
1820	495411.06	3859101.99	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.34E-07	6.09E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.17E-09	6.73E-08
1821	495461.06	3859101.99	2.10E-04	2.43E-04	1.12E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.16E-08	4.88E-09	2.17E-09	6.71E-08
1822	495511.06	3859101.99	2.10E-04	2.42E-04	1.11E-04	7.25E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.06E-08	2.79E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.16E-09	6.68E-08
1823	495561.06	3859101.99	2.07E-04	2.39E-04	1.10E-04	7.17E-08	2.17E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.75E-08	0.00E+00	0.00E+00	2.31E-08	4.91E-09	3.12E-08	4.81E-09	2.13E-09	6.61E-08
1824	495611.06	3859101.99	2.05E-04	2.37E-04	1.09E-04	7.11E-08	2.15E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.73E-08	0.00E+00	0.00E+00	2.28E-08	4.87E-09	3.09E-08	4.76E-09	2.11E-09	6.55E-08
1825	495661.06	3859101.99	2.05E-04	2.37E-04	1.09E-04	7.11E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.94E-08	2.73E-08	0.00E+00	0.00E+00	2.29E-08	4.87E-09	3.09E-08	4.77E-09	2.11E-09	6.55E-08
1826	494311.06	3859151.99	2.60E-04	3.00E-04	1.38E-04	9.00E-08	2.72E-07	1.57E-07	1.82E-07	1.65E-07	7.51E-08	3.45E-08	0.00E+00	0.00E+00	2.89E-08	6.16E-09	3.91E-08	6.03E-09	2.67E-09	8.29E-08
1827	494361.06	3859151.99	2.59E-04	2.99E-04	1.37E-04	8.96E-08	2.71E-07	1.57E-07	1.81E-07	1.64E-07	7.48E-08	3.44E-08	0.00E+00	0.00E+00	2.88E-08	6.14E-09	3.90E-08	6.01E-09	2.66E-09	8.26E-08
1828	494411.06	3859151.99	2.57E-04	2.96E-04	1.36E-04	8.88E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.41E-08	3.41E-08	0.00E+00	0.00E+00	2.86E-08	6.08E-09	3.86E-08	5.95E-09	2.64E-09	8.18E-08
1829	494461.06	3859151.99	2.54E-04	2.93E-04	1.35E-04	8.80E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.34E-08	3.38E-08	0.00E+00	0.00E+00	2.83E-08	6.03E-09	3.82E-08	5.90E-09	2.61E-09	8.11E-08
1830	494511.06	3859151.99	2.51E-04	2.90E-04	1.33E-04	8.68E-08	2.62E-07	1.52E-07	1.75E-07	1.59E-07	7.25E-08	3.33E-08	0.00E+00	0.00E+00	2.79E-08	5.95E-09	3.77E-08	5.82E-09	2.58E-09	8.00E-08
1831	494561.06	3859151.99	2.49E-04	2.87E-04	1.32E-04	8.61E-08	2.60E-07	1.51E-07	1.74E-07	1.58E-07	7.19E-08	3.31E-08	0.00E+00	0.00E+00	2.77E-08	5.90E-09	3.74E-08	5.77E-09	2.56E-09	7.94E-08
1832	494611.06	3859151.99	2.45E-04	2.83E-04	1.30E-04	8.49E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.09E-08	3.26E-08	0.00E+00	0.00E+00	2.73E-08	5.82E-09	3.69E-08	5.69E-09	2.52E-09	7.83E-08
1833	494661.06	3859151.99	2.43E-04	2.81E-04	1.29E-04	8.42E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.03E-08	3.23E-08	0.00E+00	0.00E+00	2.71E-08	5.77E-09	3.66E-08	5.64E-09	2.50E-09	7.76E-08
1834	494711.06	3859151.99	2.41E-04	2.79E-04	1.28E-04	8.35E-08	2.52E-07	1.46E-07	1.69E-07	1.53E-07	6.97E-08	3.21E-08	0.00E+00	0.00E+00	2.69E-08	5.72E-09	3.63E-08	5.60E-09	2.48E-09	7.70E-08
1835	494761.06	3859151.99	2.37E-04	2.74E-04	1.26E-04	8.20E-08	2.48E-07	1.43E-07	1.66E-07	1.50E-07	6.85E-08	3.15E-08	0.00E+00	0.00E+00	2.64E-08	5.62E-09	3.57E-08	5.50E-09	2.44E-09	7.56E-08
1836	494811.06	3859151.99	2.33E-04	2.69E-04	1.24E-04	8.08E-08	2.44E-07	1.41E-07	1.63E-07	1.48E-07	6.74E-08	3.10E-08	0.00E+00	0.00E+00	2.60E-08	5.53E-09	3.51E-08	5.42E-09	2.40E-09	7.45E-08
1837	494861.06	3859151.99	2.31E-04	2.67E-04	1.23E-04	8.00E-08	2.42E-07	1.40E-07	1.61E-07	1.46E-07	6.68E-08	3.07E-08	0.00E+00	0.00E+00	2.57E-08	5.48E-09	3.48E-08	5.36E-09	2.38E-09	7.37E-08
1838	494911.06	3859151.99	2.26E-04	2.61E-04	1.20E-04	7.84E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.54E-08	3.01E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.25E-09	2.33E-09	7.22E-08
1839	494961.06	3859151.99	2.20E-04	2.54E-04	1.17E-04	7.63E-08	2.30E-07	1.33E-07	1.54E-07	1.40E-07	6.37E-08	2.93E-08	0.00E+00	0.00E+00	2.45E-08	5.22E-09	3.32E-08	5.11E-09	2.27E-09	7.03E-08
1840	495011.06	3859151.99	2.13E-04	2.46E-04	1.13E-04	7.39E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.84E-08	0.00E+00	0.00E+00	2.38E-08	5.06E-09	3.21E-08	4.95E-09	2.20E-09	6.81E-08
1841	495061.06	3859151.99	2.13E-04	2.46E-04	1.13E-04	7.37E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.15E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.20E-08	4.94E-09	2.19E-09	6.79E-08
1842	495111.06	3859151.99	2.12E-04	2.45E-04	1.13E-04	7.34E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.13E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.18E-09	6.76E-08
1843	495161.06	3859151.99	2.14E-04	2.47E-04	1.14E-04	7.40E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.18E-08	2.84E-08	0.00E+00	0.00E+00	2.38E-08	5.07E-09	3.22E-08	4.96E-09	2.20E-09	6.82E-08
1844	495211.06	3859151.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.94E-09	2.19E-09	6.80E-08
1845	495261.06	3859151.99	2.12E-04	2.45E-04	1.13E-04	7.35E-08	2.22E-07	1.29E-07	1.48E-07	1.35E-07	6.14E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.04E-09	3.20E-08	4.93E-09	2.19E-09	6.78E-08
1846	495311.06	3859151.99	2.12E-04	2.45E-04	1.13E-04	7.34E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.13E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.18E-09	6.76E-08
1847	495361.06	3859151.99	2.12E-04	2.44E-04	1.12E-04	7.32E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.11E-08	2.81E-08	0.00E+00	0.00E+00	2.35E-08	5.02E-09	3.18E-08	4.91E-09	2.18E-09	6.75E-08
1848	495411.06	3859151.99	2.13E-04	2.46E-04	1.13E-04	7.37E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.15E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.20E-08	4.94E-09	2.19E-09	6.79E-08
1849	495461.06	3859151.99	2.12E-04	2.45E-04	1.13E-04	7.36E-08	2.22E-07	1.29E-07	1.48E-07	1.35E-07	6.14E-08	2.82E-08	0.00E+00	0.00E+00	2.37E-08	5.04E-09	3.20E-08	4.93E-09	2.19E-09	6.78E-08
1850	495511.06	3859151.99	2.10E-04	2.43E-04	1.12E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.17E-09	6.71E-08
1851	495561.06	3859151.99	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.04E-08	2.78E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.14E-08	4.85E-09	2.15E-09	6.67E-08
1852	495611.06	3859151.99	2.08E-04	2.40E-04	1.10E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.00E-08	2.76E-08	0.00E+00	0.00E+00	2.31E-08	4.93E-09	3.13E-08	4.82E-09	2.14E-09	6.63E-08
1853	495661.06	3859151.99	2.07E-04	2.39E-04	1.10E-04	7.16E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.91E-09	3.11E-08	4.80E-09	2.13E-09	6.60E-08
1854	494311.06	3859201.99	2.59E-04	2.99E-04	1.38E-04	8.98E-08	2.71E-07	1.57E-07	1.81E-07	1.64E-07	7.49E-08	3.44E-08	0.00E+00	0.00E+00	2.89E-08	6.15E-09	3.90E-08	6.02E-09	2.67E-09	8.27E-08
1855	494361.06	3859201.99	2.58E-04	2.98E-04	1.37E-04	8.93E-08	2.70E-07	1.56E-07	1.80E-07	1.63E-07	7.45E-08	3.42E-08	0.00E+00	0.00E+00	2.87E-08	6.12E-09	3.88E-08	5.98E-09	2.65E-09	8.23E-08
1856	494411.06	3859201.99	2.56E-04	2.96E-04	1.36E-04	8.86E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.40E-08	3.40E-08	0.00E+00	0.00E+00	2.85E-08	6.07E-09	3.85E-08	5.94E-09	2.63E-09	8.16E-08
1857	494461.06	3859201.99	2.53E-04	2.92E-04	1.34E-04	8.76E-08	2.65E-07	1.53E-07	1.77E-07	1.60E-07	7.32E-08	3.36E-08	0.00E+00	0.00E+00	2.82E-08	6.00E-09	3.81E-08	5.87E-09	2.60E-09	8.07E-08
1858	494511.06	3859201.99	2.51E-04	2.90E-04	1.33E-04	8.69E-08	2.62E-07	1.52E-07	1.75E-07	1.59E-07	7.26E-08	3.34E-08	0.00E+00	0.00E+00	2.80E-08	5.96E-09	3.78E-08	5.83E-09	2.58E-09	8.01E-08
1859	494561.06	3859201.99	2.48E-04	2.86E-04	1.32E-04	8.58E-08	2.59E-07	1.50E-07	1.73E-07	1.57E-07	7.16E-08	3.29E-08	0.00E+00	0.00E+00	2.76E-08	5.88E-09	3.73E-08	5.75E-09	2.55E-09	7.91E-08
1860	494611.06	3859201.99	2.45E-04	2.83E-04	1.30E-04	8.49E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.09E-08	3.26E-08	0.00E+00	0.00E+00	2.73E-08	5.81E-09	3.69E-08	5.69E-09	2.52E-09	7.82E-08
1861	494661.06	3859201.99	2.43E-04	2.81E-04	1.29E-04	8.41E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.02E-08	3.23E-08	0.00E+00	0.00E+00	2.71E-08	5.76E-09	3.66E-08	5.64E-09	2.50E-09	7.75E-08
1862	494711.06	3859201.99	2.41E-04	2.78E-04	1.28E-04	8.34E-08	2.52E-07	1.46E-07	1.68E-07	1.53E-07	6.96E-08	3.20E-08	0.00E+00	0.00E+00	2.68E-08	5.71E-09	3.62E-08	5.59E-09	2.48E-09	7.68E-08
1863	494761.06	3859201.99	2.37E-04	2.74E-04	1.26E-04	8.21E-08	2.48E-07	1.43E-07	1.66E-07	1.50E-07	6.85E-08	3.15E-08	0.00E+00	0.00E+00	2.64E-08	5.62E-09	3.57E-08	5.50E-09	2.44E-09	7.56E-08
1864	494811.06	3859201.99	2.34E-04	2.70E-04	1.24E-04	8.10E-08	2.44E-07	1.42E-07	1.63E-07	1.48E-07	6.76E-08	3.11E-08	0.00E+00	0.00E+00	2.60E-08	5.55E-09	3.52E-08	5.43E-09	2.41E-09	7.46E-08
1865	494861.06	3859201.99	2.30E-04	2.66E-04	1.22E-04	7.98E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.66E-08	3.06E-08	0.00E+00	0.00E+00	2.57E-08	5.46E-09	3.47E-08	5.35E-09	2.37E-09	7.35E-08
1866	494911.06	3859201.99	2.25E-04	2.60E-04	1.20E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.50E-08	2.99E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.22E-09	2.32E-09	7.18E-08
1867	494961.06	3859201.99	2.20E-04	2.54E-04	1.17E-04	7.60E-08	2.30E-07	1.33E-07	1.53E-07	1.39E-07	6.35E-08	2.92E-08	0.00E+00	0.00E+00	2.44E-08	5.21E-09	3.30E-08	5.10E-09	2.26E-09	7.01E-08
1868	495011.06	3859201.99	2.12E-04	2.45E-04	1.13E-04	7.34E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.13E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.18E-09	6.76E-08
1869	495061.06	3859201.99	2.15E-04	2.48E-04	1.14E-04	7.44E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.21E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.24E-08	4.99E-09	2.21E-09	6.86E-08
1870	495111.06	3859201.99	2.15E-04	2.48E-04	1.14E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.24E-08	4.99E-09	2.21E-09	6.86E-08
1871	495161.06	3859201.99	2.15E-04	2.48E-04	1.14E-04	7.44E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.21E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.21E-09	6.85E-08
1872	495211.06	3859201.99	2.13E-04	2.46E-04	1.13E-04	7.39E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.84E-08	0.00E+00	0.00E+00	2.38E-08	5.06E-09	3.21E-08	4.95E-09	2.20E-09	6.81E-08
1873	495261.06	3859201.99	2.14E-04	2.47E-04	1.13E-04	7.40E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.84E-08	0.00E+00	0.00E+00	2.38E-08	5.07E-09	3.21E-08	4.96E-09	2.20E-09	6.81E-08
1874	495311.06	3859201.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.19E-09	6.80E-08
1875	495361.06	3859201.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.95E-09	2.19E-09	6.80E-08
1876	495411.06	3859201.99	2.14E-04	2.47E-04	1.14E-04	7.41E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.84E-08	0.00E+00	0.00E+00	2.38E-08	5.08E-09	3.22E-08	4.97E-09	2.20E-09	6.83E-08
1877	495461.06	3859201.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.19E-09	6.80E-08
1878	495511.06	3859201.99	2.12E-04	2.45E-04	1.13E-04	7.35E-08	2.22E-07	1.29E-07	1.48E-07	1.35E-07	6.14E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.04E-09	3.20E-08	4.93E-09	2.19E-09	6.78E-08
1879	495561.06	3859201.99	2.10E-04	2.43E-04	1.12E-04	7.27E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.88E-09	2.16E-09	6.70E-08
1880	495611.06	3859201.99	2.09E-04	2.41E-04	1.11E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.77E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.15E-09	6.66E-08
1881	495661.06	3859201.99	2.08E-04	2.40E-04	1.10E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.00E-08	2.76E-08	0.00E+00	0.00E+00	2.31E-08	4.93E-09	3.13E-08	4.82E-09	2.14E-09	6.63E-08
1882	494311.06	3859251.99	2.58E-04	2.98E-04	1.37E-04	8.94E-08	2.70E-07	1.56E-07	1.80E-07	1.64E-07	7.46E-08	3.43E-08	0.00E+00	0.00E+00	2.87E-08	6.12E-09	3.89E-08	5.99E-09	2.65E-09	8.24E-08
1883	494361.06	3859251.99	2.56E-04	2.96E-04	1.36E-04	8.87E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.41E-08	3.40E-08	0.00E+00	0.00E+00	2.85E-08	6.08E-09	3.86E-08	5.95E-09	2.63E-09	8.18E-08

1884	494411.06	3859251.99	2.54E-04	2.93E-04	1.35E-04	8.78E-08	2.65E-07	1.54E-07	1.77E-07	1.61E-07	7.33E-08	3.37E-08	0.00E+00	0.00E+00	2.82E-08	6.02E-09	3.82E-08	5.89E-09	2.61E-09	8.09E-08
1885	494461.06	3859251.99	2.52E-04	2.91E-04	1.34E-04	8.72E-08	2.63E-07	1.52E-07	1.76E-07	1.60E-07	7.28E-08	3.34E-08	0.00E+00	0.00E+00	2.80E-08	5.97E-09	3.79E-08	5.85E-09	2.59E-09	8.04E-08
1886	494511.06	3859251.99	2.49E-04	2.87E-04	1.32E-04	8.62E-08	2.60E-07	1.51E-07	1.74E-07	1.58E-07	7.19E-08	3.30E-08	0.00E+00	0.00E+00	2.77E-08	5.90E-09	3.75E-08	5.78E-09	2.56E-09	7.94E-08
1887	494561.06	3859251.99	2.47E-04	2.85E-04	1.31E-04	8.55E-08	2.58E-07	1.49E-07	1.72E-07	1.56E-07	7.13E-08	3.28E-08	0.00E+00	0.00E+00	2.75E-08	5.85E-09	3.71E-08	5.73E-09	2.54E-09	7.88E-08
1888	494611.06	3859251.99	2.44E-04	2.82E-04	1.30E-04	8.45E-08	2.55E-07	1.48E-07	1.71E-07	1.55E-07	7.06E-08	3.24E-08	0.00E+00	0.00E+00	2.72E-08	5.79E-09	3.67E-08	5.67E-09	2.51E-09	7.79E-08
1889	494661.06	3859251.99	2.43E-04	2.80E-04	1.29E-04	8.40E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.01E-08	3.22E-08	0.00E+00	0.00E+00	2.70E-08	5.75E-09	3.65E-08	5.63E-09	2.49E-09	7.74E-08
1890	494711.06	3859251.99	2.40E-04	2.78E-04	1.28E-04	8.32E-08	2.51E-07	1.46E-07	1.68E-07	1.52E-07	6.95E-08	3.19E-08	0.00E+00	0.00E+00	2.68E-08	5.70E-09	3.62E-08	5.58E-09	2.47E-09	7.67E-08
1891	494761.06	3859251.99	2.35E-04	2.72E-04	1.25E-04	8.14E-08	2.46E-07	1.42E-07	1.64E-07	1.49E-07	6.80E-08	3.12E-08	0.00E+00	0.00E+00	2.62E-08	5.58E-09	3.54E-08	5.46E-09	2.42E-09	7.50E-08
1892	494811.06	3859251.99	2.34E-04	2.70E-04	1.24E-04	8.10E-08	2.45E-07	1.42E-07	1.64E-07	1.48E-07	6.76E-08	3.11E-08	0.00E+00	0.00E+00	2.61E-08	5.55E-09	3.52E-08	5.43E-09	2.41E-09	7.47E-08
1893	494861.06	3859251.99	2.29E-04	2.65E-04	1.22E-04	7.93E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.62E-08	3.04E-08	0.00E+00	0.00E+00	2.55E-08	5.44E-09	3.45E-08	5.32E-09	2.36E-09	7.31E-08
1894	494911.06	3859251.99	2.24E-04	2.58E-04	1.19E-04	7.75E-08	2.34E-07	1.35E-07	1.56E-07	1.42E-07	6.47E-08	2.97E-08	0.00E+00	0.00E+00	2.49E-08	5.31E-09	3.37E-08	5.19E-09	2.30E-09	7.14E-08
1895	494961.06	3859251.99	2.21E-04	2.55E-04	1.17E-04	7.66E-08	2.31E-07	1.34E-07	1.55E-07	1.40E-07	6.39E-08	2.94E-08	0.00E+00	0.00E+00	2.46E-08	5.25E-09	3.33E-08	5.13E-09	2.28E-09	7.06E-08
1896	495011.06	3859251.99	2.18E-04	2.52E-04	1.16E-04	7.55E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.30E-08	2.90E-08	0.00E+00	0.00E+00	2.43E-08	5.17E-09	3.28E-08	5.06E-09	2.24E-09	6.96E-08
1897	495061.06	3859251.99	2.18E-04	2.52E-04	1.16E-04	7.56E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.31E-08	2.90E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.25E-09	6.97E-08
1898	495111.06	3859251.99	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.28E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.23E-09	6.93E-08
1899	495161.06	3859251.99	2.17E-04	2.50E-04	1.15E-04	7.50E-08	2.27E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.88E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.23E-09	6.91E-08
1900	495211.06	3859251.99	2.15E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.22E-09	6.87E-08
1901	495261.06	3859251.99	2.16E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.36E-07	6.23E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.22E-09	6.88E-08
1902	495311.06	3859251.99	2.15E-04	2.48E-04	1.14E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.10E-09	3.24E-08	4.99E-09	2.21E-09	6.86E-08
1903	495361.06	3859251.99	2.15E-04	2.48E-04	1.14E-04	7.43E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.85E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.21E-09	6.84E-08
1904	495411.06	3859251.99	2.15E-04	2.48E-04	1.14E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.24E-08	4.99E-09	2.21E-09	6.86E-08
1905	495461.06	3859251.99	2.14E-04	2.47E-04	1.14E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.85E-08	0.00E+00	0.00E+00	2.39E-08	5.08E-09	3.22E-08	4.97E-09	2.20E-09	6.84E-08
1906	495511.06	3859251.99	2.12E-04	2.45E-04	1.13E-04	7.34E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.13E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.18E-09	6.77E-08
1907	495561.06	3859251.99	2.11E-04	2.44E-04	1.12E-04	7.30E-08	2.21E-07	1.28E-07	1.47E-07	1.34E-07	6.10E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.90E-09	2.17E-09	6.73E-08
1908	495611.06	3859251.99	2.09E-04	2.41E-04	1.11E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.32E-07	6.04E-08	2.78E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.85E-09	2.15E-09	6.67E-08
1909	495661.06	3859251.99	2.08E-04	2.40E-04	1.10E-04	7.20E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.76E-08	0.00E+00	0.00E+00	2.31E-08	4.93E-09	3.13E-08	4.83E-09	2.14E-09	6.63E-08
1910	494311.06	3859301.99	2.56E-04	2.96E-04	1.36E-04	8.88E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.41E-08	3.40E-08	0.00E+00	0.00E+00	2.85E-08	6.08E-09	3.86E-08	5.95E-09	2.63E-09	8.18E-08
1911	494361.06	3859301.99	2.55E-04	2.94E-04	1.35E-04	8.81E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.36E-08	3.38E-08	0.00E+00	0.00E+00	2.83E-08	6.04E-09	3.83E-08	5.91E-09	2.62E-09	8.12E-08
1912	494411.06	3859301.99	2.52E-04	2.91E-04	1.34E-04	8.73E-08	2.64E-07	1.53E-07	1.76E-07	1.60E-07	7.29E-08	3.35E-08	0.00E+00	0.00E+00	2.81E-08	5.98E-09	3.80E-08	5.86E-09	2.59E-09	8.05E-08
1913	494461.06	3859301.99	2.50E-04	2.89E-04	1.32E-04	8.65E-08	2.61E-07	1.51E-07	1.75E-07	1.58E-07	7.22E-08	3.32E-08	0.00E+00	0.00E+00	2.78E-08	5.93E-09	3.76E-08	5.80E-09	2.57E-09	7.97E-08
1914	494511.06	3859301.99	2.48E-04	2.86E-04	1.31E-04	8.57E-08	2.59E-07	1.50E-07	1.73E-07	1.57E-07	7.16E-08	3.29E-08	0.00E+00	0.00E+00	2.76E-08	5.87E-09	3.73E-08	5.75E-09	2.54E-09	7.90E-08
1915	494561.06	3859301.99	2.46E-04	2.84E-04	1.30E-04	8.51E-08	2.57E-07	1.49E-07	1.72E-07	1.56E-07	7.10E-08	3.26E-08	0.00E+00	0.00E+00	2.74E-08	5.83E-09	3.70E-08	5.70E-09	2.53E-09	7.84E-08
1916	494611.06	3859301.99	2.44E-04	2.81E-04	1.29E-04	8.43E-08	2.55E-07	1.47E-07	1.70E-07	1.54E-07	7.04E-08	3.23E-08	0.00E+00	0.00E+00	2.71E-08	5.78E-09	3.67E-08	5.65E-09	2.50E-09	7.77E-08
1917	494661.06	3859301.99	2.41E-04	2.79E-04	1.28E-04	8.36E-08	2.52E-07	1.46E-07	1.69E-07	1.53E-07	6.98E-08	3.21E-08	0.00E+00	0.00E+00	2.69E-08	5.73E-09	3.63E-08	5.60E-09	2.48E-09	7.70E-08
1918	494711.06	3859301.99	2.39E-04	2.76E-04	1.27E-04	8.27E-08	2.50E-07	1.45E-07	1.67E-07	1.51E-07	6.90E-08	3.17E-08	0.00E+00	0.00E+00	2.66E-08	5.66E-09	3.59E-08	5.54E-09	2.46E-09	7.62E-08
1919	494761.06	3859301.99	2.36E-04	2.73E-04	1.25E-04	8.19E-08	2.47E-07	1.43E-07	1.65E-07	1.50E-07	6.83E-08	3.14E-08	0.00E+00	0.00E+00	2.63E-08	5.61E-09	3.56E-08	5.49E-09	2.43E-09	7.54E-08
1920	494811.06	3859301.99	2.33E-04	2.69E-04	1.24E-04	8.06E-08	2.43E-07	1.41E-07	1.63E-07	1.48E-07	6.73E-08	3.09E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.51E-08	5.41E-09	2.39E-09	7.43E-08
1921	494861.06	3859301.99	2.28E-04	2.63E-04	1.21E-04	7.88E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.02E-08	0.00E+00	0.00E+00	2.54E-08	5.40E-09	3.43E-08	5.28E-09	2.34E-09	7.26E-08
1922	494911.06	3859301.99	2.25E-04	2.60E-04	1.19E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.50E-08	2.99E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.22E-09	2.31E-09	7.18E-08
1923	494961.06	3859301.99	2.20E-04	2.54E-04	1.17E-04	7.60E-08	2.30E-07	1.33E-07	1.53E-07	1.39E-07	6.35E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.26E-09	7.01E-08
1924	495011.06	3859301.99	2.18E-04	2.51E-04	1.16E-04	7.53E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.24E-09	6.94E-08
1925	495061.06	3859301.99	2.20E-04	2.55E-04	1.17E-04	7.63E-08	2.30E-07	1.33E-07	1.54E-07	1.40E-07	6.37E-08	2.93E-08	0.00E+00	0.00E+00	2.45E-08	5.23E-09	3.32E-08	5.12E-09	2.27E-09	7.03E-08
1926	495111.06	3859301.99	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.28E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.24E-09	6.93E-08
1927	495161.06	3859301.99	2.17E-04	2.50E-04	1.15E-04	7.50E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.88E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.23E-09	6.91E-08
1928	495211.06	3859301.99	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.28E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.24E-09	6.93E-08
1929	495261.06	3859301.99	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.28E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.23E-09	6.93E-08
1930	495311.06	3859301.99	2.15E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.21E-09	6.87E-08
1931	495361.06	3859301.99	2.16E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.37E-07	6.23E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.22E-09	6.88E-08
1932	495411.06	3859301.99	2.15E-04	2.48E-04	1.14E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.24E-08	4.99E-09	2.21E-09	6.86E-08
1933	495461.06	3859301.99	2.15E-04	2.48E-04	1.14E-04	7.44E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.21E-08	2.85E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.21E-09	6.85E-08
1934	495511.06	3859301.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.95E-09	2.19E-09	6.80E-08
1935	495561.06	3859301.99	2.10E-04	2.43E-04	1.12E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.16E-09	6.71E-08
1936	495611.06	3859301.99	2.09E-04	2.42E-04	1.11E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.05E-08	2.78E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.86E-09	2.15E-09	6.68E-08
1937	495661.06	3859301.99	2.08E-04	2.40E-04	1.10E-04	7.21E-08	2.18E-07	1.26E-07	1.45E-07	1.32E-07	6.02E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.13E-08	4.83E-09	2.14E-09	6.64E-08
1938	494311.06	3859351.99	2.54E-04	2.93E-04	1.34E-04	8.78E-08	2.65E-07	1.54E-07	1.77E-07	1.61E-07	7.33E-08	3.37E-08	0.00E+00	0.00E+00	2.82E-08	6.02E-09	3.82E-08	5.89E-09	2.61E-09	8.10E-08
1939	494361.06	3859351.99	2.52E-04	2.91E-04	1.34E-04	8.73E-08	2.63E-07	1.53E-07	1.76E-07	1.60E-07	7.29E-08	3.34E-08	0.00E+00	0.00E+00	2.81E-08	5.98E-09	3.79E-08	5.85E-09	2.59E-09	8.04E-08
1940	494411.06	3859351.99	2.50E-04	2.88E-04	1.32E-04	8.65E-08	2.61E-07	1.51E-07	1.75E-07	1.58E-07	7.22E-08	3.31E-08	0.00E+00	0.00E+00	2.78E-08	5.92E-09	3.76E-08	5.80E-09	2.57E-09	7.97E-08
1941	494461.06	3859351.99	2.48E-04	2.86E-04	1.31E-04	8.57E-08	2.59E-07	1.50E-07	1.73E-07	1.57E-07	7.16E-08	3.29E-08	0.00E+00	0.00E+00	2.76E-08	5.87E-09	3.73E-08	5.75E-09	2.54E-09	7.90E-08
1942	494511.06	3859351.99	2.46E-04	2.84E-04	1.30E-04	8.51E-08	2.57E-07	1.49E-07	1.72E-07	1.56E-07	7.10E-08	3.26E-08	0.00E+00	0.00E+00	2.74E-08	5.83E-09	3.70E-08	5.70E-09	2.52E-09	7.84E-08
1943	494561.06	3859351.99	2.44E-04	2.82E-04	1.29E-04	8.45E-08	2.55E-07	1.48E-07	1.71E-07	1.55E-07	7.06E-08	3.24E-08	0.00E+00	0.00E+00	2.72E-08	5.79E-09	3.67E-08	5.67E-09	2.51E-09	7.79E-08
1944	494611.06	3859351.99	2.42E-04	2.80E-04	1.28E-04	8.39E-08	2.53E-07	1.47E-07	1.69E-07	1.53E-07	7.00E-08	3.22E-08	0.00E+00	0.00E+00	2.70E-08	5.75E-09	3.65E-08	5.62E-09	2.49E-09	7.73E-08
1945	494661.06	3859351.99	2.40E-04	2.78E-04	1.27E-04	8.32E-08	2.51E-07	1.45E-07	1.68E-07	1.52E-07	6.95E-08	3.19E-08	0.00E+00	0.00E+00	2.68E-08	5.70E-09	3.62E-08	5.58E-09	2.47E-09	7.67E-08
1946	494711.06	3859351.99	2.38E-04	2.75E-04	1.26E-04	8.23E-08	2.48E-07	1.44E-07	1.66E-07	1.51E-07	6.87E-08	3.16E-08	0.00E+00	0.00E+00	2.65E-08	5.64E-09	3.58E-08	5.52E-09	2.44E-09	7.58E-08
1947	494761.06	3859351.99	2.35E-04	2.71E-04	1.24E-04	8.12E-08	2.45E-07	1.42E-07	1.64E-07	1.49E-07	6.78E-08	3.11E-08	0.00E+00	0.00E+00	2.61E-08	5.56E-09	3.53E-08	5.44E-09	2.41E-09	7.48E-08
1948	494811.06	3859351.99	2.29E-04	2.65E-04	1.22E-04	7.94E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.63E-08	3.04E-08	0.00E+00	0.00E+00	2.55E-08	5.44E-09	3.45E-08	5.32E-09	2.36E-09	7.32E-08
1949	494861.06	3859351.99	2.27E-04	2.62E-04	1.21E-04	7.87E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.57E-08	3.02E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.27E-09	2.34E-09	7.25E-08
1950	494911.06	3859351.99	2.26E-04	2.61E-04	1.20E-04	7.82E-08	2.36E-07	1.37E-07	1.58E-07	1.43E-07	6.53E-08	3.00E-08	0.00E+00	0.00E+00	2.51E-08	5.36E-09	3.40E-08	5.24E-09	2.32E-09	7.21E-08
1951	494961.06	3859351.99	2.24E-04	2.58E-04	1.19E-04	7.74E-08	2.34E-07	1.35E-07	1.56E-07	1.42E-07	6.46E-08	2.97E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.19E-09	2.30E-09	7.13E-08
1952	495011.06	3859351.99	2.22E-04	2.56E-04	1.18E-04	7.68E-08	2.32E-07	1.34E-07	1.55E-07	1.40E-07	6.41E-08	2.94E-08	0.00E+00	0.00E+00	2.47E-08	5.26E-09	3.34E-08	5.15E-09	2.28E-09	7.07E-08
1953	495061.06	3859351.99	2.23E-04	2.57E-04	1.18E-04	7.71E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.44E-08	2.96E-08	0.00E+00	0.00E+00	2.48E-08	5.28E-09	3.35E-08	5.17E-09	2.29E-09	7.10E-08
1954	495111.06	3859351.99	2.21E-04	2.55E-04	1.17E-04	7.64E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.38E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.32E-08	5.12E-09	2.27E-09	7.04E-08
1955	495161.06	3859351.99	2.20E-04	2.54E-04	1.17E-04	7.61E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.26E-09	7.01E-08
1956	495211.06	3859351.99	2.19E-04	2.53E-04	1.16E-04	7.57E-08	2.29E-07	1.32E-07	1.53E-07	1.39E-07	6.32E-08	2.91E-08	0.00E+00	0.00E+00	2.44E-08	5.19E-09	3.29E-08	5.08E-09	2.25E-09	6.98E-08
1957	495261.06	3859351.99	2.19E-04	2.52E-04	1.16E-04	7.56E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.31E-08	2.90E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.25E-09	6.97E-08
1958	495311.06	3859351.99	2.17E-04	2.50E-04	1.15E-04	7.51E-08	2.27E-07	1.31E-07	1.52E-07	1.37E-07	6.27E-08	2.88E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.23E-09	6.92E-08
1959	495361.06	3859351.99	2.16E-04	2.49E-04	1.15E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.87E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.22E-09	6.89E-08
1960	495411.06	3859351.99	2.16E-04	2.49E-04	1.14E-04	7.47E-08	2.25E-07	1.31E-07	1.51E-07	1.37E-07	6.23E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.25E-08	5.01E-09	2.22E-09	6.88E-08
1961	495461.06	3859351.99	2.16E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.37E-07	6.23E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.22E-09	6.88E-08
1962	495511.06	3859351.99	2.13E-04	2.46E-04	1.13E-04	7.39E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.83E-08	0.00E+00	0.00E+00	2.38E-08	5.06E-09	3.21E-08	4.95E-09	2.19E-09	6.81E-08
1963	495561.06	3859351.99	2.12E-04	2.45E-04	1.12E-04	7.33E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.81E-08	0.00E+00	0.00E+00	2.36E-08	5.02E-09	3.19E-08	4.91E-09	2.18E-09	6.76E-08
1964	495611.06	3859351.99	2.11E-04	2.43E-04	1.12E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.09E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.17E-09	6.72E-08
1965	495661.06	3859351.99	2.08E-04	2.41E-04	1.11E-04	7.21E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.02E-08	2.77E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.14E-08	4.84E-09	2.14E-09	6.65E-08
1966	494311.06	3859401.99	2.51E-04	2.90E-04	1.33E-04	8.70E-08	2.63E-07	1.52E-07	1.76E-07	1.59E-07	7.26E-08	3.33E-08	0.00E+00	0.00E+00	2.80E-08	5.96E-09	3.78E-08	5.83E-09	2.58E-09	8.02E-08
1967	494361.06	3859401.99	2.49E-04	2.88E-04	1.32E-04	8.63E-08	2.61E-07	1.51E-07	1.74E-07	1.58E-07	7.21E-08	3.31E-08	0.00E+00	0.00E+00	2.77E-08	5.91E-09	3.75E-08	5.79E-09	2.56E-09	7.95E-08
1968	494411.06	3859401.99	2.47E-04	2.85E-04	1.31E-04	8.55E-08	2.58E-07	1.50E-07	1.73E-07	1.57E-07	7.14E-08	3.28E-08	0.00E+00	0.00E+00	2.75E-08	5.86E-09	3.72E-08	5.74E-09	2.54E-09	7.88E-08
1969	494461.06	3859401.99	2.45E-04	2.83E-04	1.30E-04	8.49E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.09E-08	3.25E-08	0.00E+00	0.00E+00	2.73E-08	5.82E-09	3.69E-08	5.69E-09	2.52E-09	7.83E-08
1970	494511.06	3859401.99	2.44E-04	2.82E-04	1.29E-04	8.45E-08	2.55E-07	1.48E-07	1.71E-07	1.55E-07	7.05E-08	3.24E-08	0.00E+00	0.00E+00	2.72E-08	5.79E-09	3.67E-08	5.67E-09	2.51E-09	7.79E-08
1971	494561.06	3859401.99	2.43E-04	2.80E-04	1.29E-04	8.40E-08	2.54E-07	1.47E-07	1.69E-07	1.54E-07	7.01E-08	3.22E-08	0.00E+00	0.00E+00	2.70E-08	5.75E-09	3.65E-08	5.63E-09	2.49E-09	7.74E-08
1972	494611.06	3859401.99	2.41E-04	2.78E-04	1.28E-04	8.33E-08	2.52E-07	1.46E-07	1.68E-07	1.52E-07	6.96E-08	3.19E-08	0.00E+00	0.00E+00	2.68E-08	5.71E-09	3.62E-08	5.59E-09	2.47E-09	7.68E-08
1973	494661.06	3859401.99	2.39E-04	2.76E-04	1.27E-04	8.28E-08	2.50E-07	1.45E-07	1.67E-07	1.52E-07	6.91E-08	3.17E-08	0.00E+00	0.00E+00	2.66E-08	5.67E-09	3.60E-08	5.55E-09	2.46E-09	7.63E-08
1974	494711.06	3859401.99	2.37E-04	2.74E-04	1.26E-04	8.22E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.86E-08	3.15E-08	0.00E+00	0.00E+00	2.64E-08	5.63E-09	3.57E-08	5.51E-09	2.44E-09	7.57E-08
1975	494761.06	3859401.99	2.34E-04	2.71E-04	1.24E-04	8.12E-08	2.45E-07	1.42E-07	1.64E-07	1.49E-07	6.78E-08	3.11E-08	0.00E+00	0.00E+00	2.61E-08	5.56E-09	3.53E-08	5.44E-09	2.41E-09	7.48E-08
1976	494811.06	3859401.99	2.31E-04	2.67E-04	1.23E-04	8.01E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.07E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.38E-09	7.38E-08
1977	494861.06	3859401.99	2.28E-04	2.63E-04	1.21E-04	7.89E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.59E-08	3.02E-08	0.00E+00	0.00E+00	2.54E-08	5.40E-09	3.43E-08	5.29E-09	2.34E-09	7.27E-08
1978	494911.06	3859401.99	2.26E-04	2.61E-04	1.20E-04	7.82E-08	2.36E-07	1.37E-07	1.58E-07	1.43E-07	6.53E-08	3.00E-08	0.00E+00	0.00E+00	2.51E-08	5.35E-09	3.40E-08	5.24E-09	2.32E-09	7.20E-08
1979	494961.06	3859401.99	2.24E-04	2.59E-04	1.19E-04	7.76E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	2.98E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.37E-08	5.20E-09	2.31E-09	7.15E-08
1980	495011.06	3859401.99	2.23E-04	2.58E-04	1.18E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.46E-08	2.96E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.18E-09	2.30E-09	7.13E-08
1981	495061.06	3859401.99	2.23E-04	2.58E-04	1.18E-04	7.72E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.96E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.36E-08	5.18E-09	2.29E-09	7.12E-08
1982	495111.06	3859401.99	2.21E-04	2.55E-04	1.17E-04	7.65E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.39E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.33E-08	5.13E-09	2.27E-09	7.05E-08
1983	495161.06	3859401.99	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.36E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.22E-09	3.31E-08	5.11E-09	2.26E-09	7.02E-08
1984	495211.06	3859401.99	2.20E-04	2.54E-04	1.17E-04	7.61E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.26E-09	7.01E-08
1985	495261.06	3859401.99	2.19E-04	2.53E-04	1.16E-04	7.58E-08	2.29E-07	1.32E-07	1.53E-07	1.39E-07	6.33E-08	2.90E-08	0.00E+00	0.00E+00	2.44E-08	5.19E-09	3.29E-08	5.08E-09	2.25E-09	6.98E-08
1986	495311.06	3859401.99	2.18E-04	2.51E-04	1.15E-04	7.54E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.28E-08	5.05E-09	2.24E-09	6.95E-08
1987	495361.06	3859401.99	2.18E-04	2.51E-04	1.15E-04	7.53E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.28E-08	5.05E-09	2.24E-09	6.94E-08
1988	495411.06	3859401.99	2.17E-04	2.51E-04	1.15E-04	7.51E-08	2.27E-07	1.31E-07	1.52E-07	1.37E-07	6.27E-08	2.88E-08	0.00E+00	0.00E+00	2.41E-08	5.15E-09	3.27E-08	5.03E-09	2.23E-09	6.92E-08

1989	495461.06	3859401.99	2.16E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.37E-07	6.23E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.22E-09	6.88E-08
1990	495511.06	3859401.99	2.14E-04	2.47E-04	1.13E-04	7.39E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.83E-08	0.00E+00	0.00E+00	2.38E-08	5.07E-09	3.21E-08	4.96E-09	2.19E-09	6.81E-08
1991	495561.06	3859401.99	2.11E-04	2.44E-04	1.12E-04	7.31E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.10E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.17E-09	6.74E-08
1992	495611.06	3859401.99	2.10E-04	2.42E-04	1.11E-04	7.26E-08	2.19E-07	1.27E-07	1.47E-07	1.33E-07	6.06E-08	2.78E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.87E-09	2.16E-09	6.69E-08
1993	495661.06	3859401.99	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.77E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.85E-09	2.15E-09	6.66E-08
1994	494311.06	3859451.99	2.48E-04	2.86E-04	1.31E-04	8.58E-08	2.59E-07	1.50E-07	1.73E-07	1.57E-07	7.17E-08	3.29E-08	0.00E+00	0.00E+00	2.76E-08	5.88E-09	3.73E-08	5.75E-09	2.54E-09	7.91E-08
1995	494361.06	3859451.99	2.46E-04	2.84E-04	1.30E-04	8.52E-08	2.57E-07	1.49E-07	1.72E-07	1.56E-07	7.12E-08	3.26E-08	0.00E+00	0.00E+00	2.74E-08	5.84E-09	3.71E-08	5.71E-09	2.53E-09	7.85E-08
1996	494411.06	3859451.99	2.44E-04	2.82E-04	1.29E-04	8.44E-08	2.55E-07	1.48E-07	1.70E-07	1.54E-07	7.05E-08	3.23E-08	0.00E+00	0.00E+00	2.71E-08	5.78E-09	3.67E-08	5.66E-09	2.50E-09	7.78E-08
1997	494461.06	3859451.99	2.43E-04	2.80E-04	1.29E-04	8.40E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.02E-08	3.22E-08	0.00E+00	0.00E+00	2.70E-08	5.76E-09	3.65E-08	5.64E-09	2.49E-09	7.75E-08
1998	494511.06	3859451.99	2.41E-04	2.79E-04	1.28E-04	8.35E-08	2.52E-07	1.46E-07	1.69E-07	1.53E-07	6.97E-08	3.20E-08	0.00E+00	0.00E+00	2.68E-08	5.72E-09	3.63E-08	5.60E-09	2.48E-09	7.69E-08
1999	494561.06	3859451.99	2.40E-04	2.77E-04	1.27E-04	8.30E-08	2.51E-07	1.45E-07	1.68E-07	1.52E-07	6.93E-08	3.18E-08	0.00E+00	0.00E+00	2.67E-08	5.69E-09	3.61E-08	5.57E-09	2.46E-09	7.65E-08
2000	494611.06	3859451.99	2.39E-04	2.76E-04	1.27E-04	8.27E-08	2.50E-07	1.45E-07	1.67E-07	1.51E-07	6.91E-08	3.17E-08	0.00E+00	0.00E+00	2.66E-08	5.67E-09	3.60E-08	5.55E-09	2.45E-09	7.62E-08
2001	494661.06	3859451.99	2.37E-04	2.74E-04	1.26E-04	8.21E-08	2.48E-07	1.43E-07	1.66E-07	1.50E-07	6.85E-08	3.15E-08	0.00E+00	0.00E+00	2.64E-08	5.62E-09	3.57E-08	5.50E-09	2.44E-09	7.57E-08
2002	494711.06	3859451.99	2.35E-04	2.72E-04	1.25E-04	8.14E-08	2.46E-07	1.42E-07	1.64E-07	1.49E-07	6.80E-08	3.12E-08	0.00E+00	0.00E+00	2.62E-08	5.58E-09	3.54E-08	5.46E-09	2.42E-09	7.50E-08
2003	494761.06	3859451.99	2.34E-04	2.70E-04	1.24E-04	8.09E-08	2.44E-07	1.41E-07	1.63E-07	1.48E-07	6.75E-08	3.10E-08	0.00E+00	0.00E+00	2.60E-08	5.54E-09	3.52E-08	5.42E-09	2.40E-09	7.45E-08
2004	494811.06	3859451.99	2.31E-04	2.67E-04	1.22E-04	8.00E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.68E-08	3.06E-08	0.00E+00	0.00E+00	2.57E-08	5.48E-09	3.48E-08	5.36E-09	2.37E-09	7.37E-08
2005	494861.06	3859451.99	2.29E-04	2.64E-04	1.21E-04	7.92E-08	2.39E-07	1.38E-07	1.60E-07	1.45E-07	6.61E-08	3.03E-08	0.00E+00	0.00E+00	2.55E-08	5.42E-09	3.44E-08	5.31E-09	2.35E-09	7.30E-08
2006	494911.06	3859451.99	2.27E-04	2.62E-04	1.20E-04	7.85E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	3.01E-08	0.00E+00	0.00E+00	2.53E-08	5.38E-09	3.42E-08	5.27E-09	2.33E-09	7.24E-08
2007	494961.06	3859451.99	2.26E-04	2.61E-04	1.20E-04	7.82E-08	2.36E-07	1.37E-07	1.58E-07	1.43E-07	6.53E-08	3.00E-08	0.00E+00	0.00E+00	2.51E-08	5.36E-09	3.40E-08	5.24E-09	2.32E-09	7.20E-08
2008	495011.06	3859451.99	2.24E-04	2.59E-04	1.19E-04	7.77E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.49E-08	2.98E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.38E-08	5.21E-09	2.31E-09	7.16E-08
2009	495061.06	3859451.99	2.23E-04	2.58E-04	1.18E-04	7.72E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.96E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.36E-08	5.18E-09	2.29E-09	7.11E-08
2010	495111.06	3859451.99	2.22E-04	2.56E-04	1.17E-04	7.67E-08	2.32E-07	1.34E-07	1.55E-07	1.40E-07	6.40E-08	2.94E-08	0.00E+00	0.00E+00	2.47E-08	5.25E-09	3.33E-08	5.14E-09	2.28E-09	7.07E-08
2011	495161.06	3859451.99	2.21E-04	2.55E-04	1.17E-04	7.65E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.38E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.32E-08	5.13E-09	2.27E-09	7.05E-08
2012	495211.06	3859451.99	2.20E-04	2.54E-04	1.17E-04	7.63E-08	2.30E-07	1.33E-07	1.54E-07	1.40E-07	6.37E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.23E-09	3.32E-08	5.11E-09	2.26E-09	7.03E-08
2013	495261.06	3859451.99	2.20E-04	2.54E-04	1.17E-04	7.61E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.26E-09	7.01E-08
2014	495311.06	3859451.99	2.19E-04	2.52E-04	1.16E-04	7.57E-08	2.29E-07	1.32E-07	1.53E-07	1.38E-07	6.32E-08	2.90E-08	0.00E+00	0.00E+00	2.43E-08	5.19E-09	3.29E-08	5.07E-09	2.25E-09	6.97E-08
2015	495361.06	3859451.99	2.18E-04	2.51E-04	1.15E-04	7.54E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.28E-08	5.05E-09	2.24E-09	6.95E-08
2016	495411.06	3859451.99	2.17E-04	2.50E-04	1.15E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.87E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.02E-09	2.22E-09	6.91E-08
2017	495461.06	3859451.99	2.16E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.37E-07	6.23E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.21E-09	6.88E-08
2018	495511.06	3859451.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.19E-09	6.81E-08
2019	495561.06	3859451.99	2.12E-04	2.45E-04	1.12E-04	7.34E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.81E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.18E-09	6.76E-08
2020	495611.06	3859451.99	2.11E-04	2.43E-04	1.12E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.09E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.89E-09	2.16E-09	6.72E-08
2021	495661.06	3859451.99	2.09E-04	2.42E-04	1.11E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.05E-08	2.78E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.86E-09	2.15E-09	6.68E-08
2022	494311.06	3859501.99	2.45E-04	2.83E-04	1.30E-04	8.47E-08	2.56E-07	1.48E-07	1.71E-07	1.55E-07	7.07E-08	3.24E-08	0.00E+00	0.00E+00	2.72E-08	5.80E-09	3.68E-08	5.68E-09	2.51E-09	7.80E-08
2023	494361.06	3859501.99	2.43E-04	2.81E-04	1.29E-04	8.41E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.03E-08	3.22E-08	0.00E+00	0.00E+00	2.71E-08	5.77E-09	3.66E-08	5.64E-09	2.49E-09	7.76E-08
2024	494411.06	3859501.99	2.40E-04	2.78E-04	1.27E-04	8.32E-08	2.51E-07	1.46E-07	1.68E-07	1.52E-07	6.95E-08	3.19E-08	0.00E+00	0.00E+00	2.68E-08	5.70E-09	3.62E-08	5.58E-09	2.47E-09	7.67E-08
2025	494461.06	3859501.99	2.40E-04	2.77E-04	1.27E-04	8.31E-08	2.51E-07	1.45E-07	1.68E-07	1.52E-07	6.94E-08	3.18E-08	0.00E+00	0.00E+00	2.67E-08	5.70E-09	3.62E-08	5.58E-09	2.47E-09	7.66E-08
2026	494511.06	3859501.99	2.39E-04	2.76E-04	1.26E-04	8.26E-08	2.49E-07	1.44E-07	1.67E-07	1.51E-07	6.90E-08	3.16E-08	0.00E+00	0.00E+00	2.66E-08	5.66E-09	3.59E-08	5.54E-09	2.45E-09	7.61E-08
2027	494561.06	3859501.99	2.37E-04	2.74E-04	1.26E-04	8.21E-08	2.48E-07	1.43E-07	1.66E-07	1.50E-07	6.85E-08	3.14E-08	0.00E+00	0.00E+00	2.64E-08	5.62E-09	3.57E-08	5.50E-09	2.43E-09	7.56E-08
2028	494611.06	3859501.99	2.37E-04	2.74E-04	1.26E-04	8.20E-08	2.48E-07	1.43E-07	1.66E-07	1.50E-07	6.85E-08	3.14E-08	0.00E+00	0.00E+00	2.64E-08	5.62E-09	3.57E-08	5.50E-09	2.43E-09	7.56E-08
2029	494661.06	3859501.99	2.35E-04	2.71E-04	1.25E-04	8.14E-08	2.46E-07	1.42E-07	1.64E-07	1.49E-07	6.79E-08	3.12E-08	0.00E+00	0.00E+00	2.62E-08	5.58E-09	3.54E-08	5.46E-09	2.41E-09	7.50E-08
2030	494711.06	3859501.99	2.33E-04	2.69E-04	1.23E-04	8.06E-08	2.43E-07	1.41E-07	1.63E-07	1.47E-07	6.73E-08	3.09E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.50E-08	5.40E-09	2.39E-09	7.43E-08
2031	494761.06	3859501.99	2.32E-04	2.68E-04	1.23E-04	8.04E-08	2.43E-07	1.40E-07	1.62E-07	1.47E-07	6.71E-08	3.08E-08	0.00E+00	0.00E+00	2.58E-08	5.51E-09	3.49E-08	5.39E-09	2.38E-09	7.41E-08
2032	494811.06	3859501.99	2.29E-04	2.65E-04	1.21E-04	7.93E-08	2.39E-07	1.39E-07	1.60E-07	1.45E-07	6.62E-08	3.04E-08	0.00E+00	0.00E+00	2.55E-08	5.43E-09	3.45E-08	5.32E-09	2.35E-09	7.31E-08
2033	494861.06	3859501.99	2.28E-04	2.63E-04	1.21E-04	7.88E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.02E-08	0.00E+00	0.00E+00	2.53E-08	5.40E-09	3.43E-08	5.28E-09	2.34E-09	7.26E-08
2034	494911.06	3859501.99	2.27E-04	2.62E-04	1.20E-04	7.85E-08	2.37E-07	1.37E-07	1.58E-07	1.44E-07	6.55E-08	3.01E-08	0.00E+00	0.00E+00	2.52E-08	5.38E-09	3.41E-08	5.26E-09	2.33E-09	7.23E-08
2035	494961.06	3859501.99	2.25E-04	2.60E-04	1.19E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.50E-08	2.98E-08	0.00E+00	0.00E+00	2.50E-08	5.33E-09	3.39E-08	5.22E-09	2.31E-09	7.18E-08
2036	495011.06	3859501.99	2.24E-04	2.59E-04	1.19E-04	7.75E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.47E-08	2.97E-08	0.00E+00	0.00E+00	2.49E-08	5.31E-09	3.37E-08	5.20E-09	2.30E-09	7.15E-08
2037	495061.06	3859501.99	2.23E-04	2.58E-04	1.18E-04	7.72E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.96E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.36E-08	5.18E-09	2.29E-09	7.12E-08
2038	495111.06	3859501.99	2.21E-04	2.56E-04	1.17E-04	7.66E-08	2.31E-07	1.34E-07	1.55E-07	1.40E-07	6.40E-08	2.94E-08	0.00E+00	0.00E+00	2.46E-08	5.25E-09	3.33E-08	5.14E-09	2.27E-09	7.06E-08
2039	495161.06	3859501.99	2.21E-04	2.55E-04	1.17E-04	7.63E-08	2.30E-07	1.33E-07	1.54E-07	1.40E-07	6.37E-08	2.93E-08	0.00E+00	0.00E+00	2.45E-08	5.23E-09	3.32E-08	5.12E-09	2.27E-09	7.04E-08
2040	495211.06	3859501.99	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.36E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.22E-09	3.31E-08	5.11E-09	2.26E-09	7.02E-08
2041	495261.06	3859501.99	2.19E-04	2.53E-04	1.16E-04	7.59E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.34E-08	2.91E-08	0.00E+00	0.00E+00	2.44E-08	5.20E-09	3.30E-08	5.09E-09	2.25E-09	6.99E-08
2042	495311.06	3859501.99	2.19E-04	2.52E-04	1.16E-04	7.57E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.32E-08	2.90E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.24E-09	6.97E-08
2043	495361.06	3859501.99	2.18E-04	2.51E-04	1.15E-04	7.53E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.89E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.23E-09	6.94E-08
2044	495411.06	3859501.99	2.17E-04	2.50E-04	1.15E-04	7.50E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.87E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.22E-09	6.91E-08
2045	495461.06	3859501.99	2.15E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.36E-07	6.23E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.21E-09	6.87E-08
2046	495511.06	3859501.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.95E-09	2.19E-09	6.80E-08
2047	495561.06	3859501.99	2.12E-04	2.45E-04	1.12E-04	7.35E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.13E-08	2.82E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.93E-09	2.18E-09	6.77E-08
2048	495611.06	3859501.99	2.11E-04	2.43E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.34E-07	6.09E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.17E-08	4.89E-09	2.17E-09	6.73E-08
2049	495661.06	3859501.99	2.09E-04	2.42E-04	1.11E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.05E-08	2.78E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.86E-09	2.15E-09	6.67E-08
2050	494311.06	3859551.99	2.41E-04	2.79E-04	1.28E-04	8.35E-08	2.52E-07	1.46E-07	1.69E-07	1.53E-07	6.98E-08	3.20E-08	0.00E+00	0.00E+00	2.69E-08	5.72E-09	3.63E-08	5.60E-09	2.47E-09	7.70E-08
2051	494361.06	3859551.99	2.40E-04	2.77E-04	1.27E-04	8.30E-08	2.51E-07	1.45E-07	1.68E-07	1.52E-07	6.93E-08	3.18E-08	0.00E+00	0.00E+00	2.67E-08	5.69E-09	3.61E-08	5.57E-09	2.46E-09	7.65E-08
2052	494411.06	3859551.99	2.37E-04	2.74E-04	1.26E-04	8.21E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.86E-08	3.14E-08	0.00E+00	0.00E+00	2.64E-08	5.63E-09	3.57E-08	5.51E-09	2.43E-09	7.57E-08
2053	494461.06	3859551.99	2.37E-04	2.74E-04	1.26E-04	8.21E-08	2.48E-07	1.43E-07	1.66E-07	1.50E-07	6.85E-08	3.14E-08	0.00E+00	0.00E+00	2.64E-08	5.63E-09	3.57E-08	5.50E-09	2.43E-09	7.57E-08
2054	494511.06	3859551.99	2.36E-04	2.72E-04	1.25E-04	8.16E-08	2.46E-07	1.43E-07	1.65E-07	1.49E-07	6.81E-08	3.12E-08	0.00E+00	0.00E+00	2.62E-08	5.59E-09	3.55E-08	5.47E-09	2.42E-09	7.52E-08
2055	494561.06	3859551.99	2.35E-04	2.71E-04	1.24E-04	8.12E-08	2.45E-07	1.42E-07	1.64E-07	1.49E-07	6.78E-08	3.11E-08	0.00E+00	0.00E+00	2.61E-08	5.56E-09	3.53E-08	5.44E-09	2.41E-09	7.48E-08
2056	494611.06	3859551.99	2.34E-04	2.70E-04	1.24E-04	8.09E-08	2.44E-07	1.41E-07	1.63E-07	1.48E-07	6.76E-08	3.10E-08	0.00E+00	0.00E+00	2.60E-08	5.55E-09	3.52E-08	5.43E-09	2.40E-09	7.46E-08
2057	494661.06	3859551.99	2.33E-04	2.69E-04	1.23E-04	8.05E-08	2.43E-07	1.41E-07	1.63E-07	1.47E-07	6.73E-08	3.08E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.50E-08	5.40E-09	2.39E-09	7.42E-08
2058	494711.06	3859551.99	2.30E-04	2.65E-04	1.22E-04	7.95E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.64E-08	3.05E-08	0.00E+00	0.00E+00	2.56E-08	5.45E-09	3.46E-08	5.33E-09	2.36E-09	7.33E-08
2059	494761.06	3859551.99	2.30E-04	2.66E-04	1.22E-04	7.96E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.05E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.36E-09	7.34E-08
2060	494811.06	3859551.99	2.28E-04	2.63E-04	1.21E-04	7.88E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.02E-08	0.00E+00	0.00E+00	2.53E-08	5.40E-09	3.43E-08	5.28E-09	2.34E-09	7.26E-08
2061	494861.06	3859551.99	2.26E-04	2.62E-04	1.20E-04	7.84E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.55E-08	3.00E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.26E-09	2.33E-09	7.23E-08
2062	494911.06	3859551.99	2.25E-04	2.60E-04	1.19E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.50E-08	2.98E-08	0.00E+00	0.00E+00	2.50E-08	5.34E-09	3.39E-08	5.22E-09	2.31E-09	7.18E-08
2063	494961.06	3859551.99	2.24E-04	2.59E-04	1.19E-04	7.76E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	2.97E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.37E-08	5.20E-09	2.30E-09	7.15E-08
2064	495011.06	3859551.99	2.24E-04	2.58E-04	1.18E-04	7.74E-08	2.34E-07	1.35E-07	1.56E-07	1.42E-07	6.46E-08	2.96E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.19E-09	2.29E-09	7.13E-08
2065	495061.06	3859551.99	2.22E-04	2.57E-04	1.18E-04	7.70E-08	2.32E-07	1.35E-07	1.55E-07	1.41E-07	6.43E-08	2.95E-08	0.00E+00	0.00E+00	2.48E-08	5.27E-09	3.35E-08	5.16E-09	2.28E-09	7.09E-08
2066	495111.06	3859551.99	2.21E-04	2.55E-04	1.17E-04	7.65E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.38E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.32E-08	5.13E-09	2.27E-09	7.05E-08
2067	495161.06	3859551.99	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.37E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.22E-09	3.31E-08	5.11E-09	2.26E-09	7.03E-08
2068	495211.06	3859551.99	2.20E-04	2.54E-04	1.16E-04	7.61E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.91E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.26E-09	7.01E-08
2069	495261.06	3859551.99	2.18E-04	2.52E-04	1.16E-04	7.56E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.32E-08	2.90E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.24E-09	6.97E-08
2070	495311.06	3859551.99	2.17E-04	2.51E-04	1.15E-04	7.53E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.88E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.23E-09	6.94E-08
2071	495361.06	3859551.99	2.17E-04	2.50E-04	1.15E-04	7.50E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.87E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.22E-09	6.91E-08
2072	495411.06	3859551.99	2.16E-04	2.49E-04	1.14E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.22E-09	6.89E-08
2073	495461.06	3859551.99	2.14E-04	2.48E-04	1.14E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.84E-08	0.00E+00	0.00E+00	2.39E-08	5.08E-09	3.23E-08	4.97E-09	2.20E-09	6.84E-08
2074	495511.06	3859551.99	2.13E-04	2.45E-04	1.13E-04	7.36E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.14E-08	2.82E-08	0.00E+00	0.00E+00	2.37E-08	5.04E-09	3.20E-08	4.93E-09	2.18E-09	6.78E-08
2075	495561.06	3859551.99	2.11E-04	2.44E-04	1.12E-04	7.32E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.11E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.02E-09	3.18E-08	4.91E-09	2.17E-09	6.75E-08
2076	495611.06	3859551.99	2.10E-04	2.43E-04	1.11E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.16E-09	6.71E-08
2077	495661.06	3859551.99	2.09E-04	2.41E-04	1.11E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.04E-08	2.77E-08	0.00E+00	0.00E+00	2.33E-08	4.95E-09	3.14E-08	4.85E-09	2.14E-09	6.66E-08
2078	494311.06	3859601.99	2.38E-04	2.75E-04	1.26E-04	8.24E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.88E-08	3.15E-08	0.00E+00	0.00E+00	2.65E-08	5.65E-09	3.58E-08	5.53E-09	2.44E-09	7.59E-08
2079	494361.06	3859601.99	2.36E-04	2.72E-04	1.25E-04	8.16E-08	2.47E-07	1.43E-07	1.65E-07	1.49E-07	6.82E-08	3.12E-08	0.00E+00	0.00E+00	2.63E-08	5.60E-09	3.55E-08	5.48E-09	2.42E-09	7.52E-08
2080	494411.06	3859601.99	2.34E-04	2.71E-04	1.24E-04	8.11E-08	2.45E-07	1.42E-07	1.64E-07	1.48E-07	6.77E-08	3.10E-08	0.00E+00	0.00E+00	2.61E-08	5.56E-09	3.53E-08	5.44E-09	2.40E-09	7.47E-08
2081	494461.06	3859601.99	2.34E-04	2.70E-04	1.24E-04	8.10E-08	2.45E-07	1.42E-07	1.64E-07	1.48E-07	6.77E-08	3.10E-08	0.00E+00	0.00E+00	2.61E-08	5.55E-09	3.52E-08	5.43E-09	2.40E-09	7.47E-08
2082	494511.06	3859601.99	2.32E-04	2.68E-04	1.23E-04	8.04E-08	2.43E-07	1.41E-07	1.62E-07	1.47E-07	6.72E-08	3.08E-08	0.00E+00	0.00E+00	2.59E-08	5.51E-09	3.50E-08	5.39E-09	2.38E-09	7.41E-08
2083	494561.06	3859601.99	2.32E-04	2.68E-04	1.23E-04	8.03E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.70E-08	3.07E-08	0.00E+00	0.00E+00	2.58E-08	5.50E-09	3.49E-08	5.38E-09	2.38E-09	7.40E-08
2084	494611.06	3859601.99	2.31E-04	2.67E-04	1.22E-04	8.00E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.06E-08	0.00E+00	0.00E+00	2.57E-08	5.49E-09	3.48E-08	5.37E-09	2.37E-09	7.38E-08
2085	494661.06	3859601.99	2.29E-04	2.65E-04	1.21E-04	7.94E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.63E-08	3.04E-08	0.00E+00	0.00E+00	2.55E-08	5.44E-09	3.45E-08	5.33E-09	2.35E-09	7.32E-08
2086	494711.06	3859601.99	2.27E-04	2.63E-04	1.20E-04	7.87E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.57E-08	3.01E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.28E-09	2.33E-09	7.25E-08
2087	494761.06	3859601.99	2.28E-04	2.63E-04	1.21E-04	7.89E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.59E-08	3.02E-08	0.00E+00	0.00E+00	2.54E-08	5.41E-09	3.43E-08	5.29E-09	2.34E-09	7.27E-08
2088	494811.06	3859601.99	2.26E-04	2.61E-04	1.20E-04	7.82E-08	2.36E-07	1.37E-07	1.58E-07	1.43E-07	6.53E-08	2.99E-08	0.00E+00	0.00E+00	2.51E-08	5.36E-09	3.40E-08	5.24E-09	2.32E-09	7.21E-08
2089	494861.06	3859601.99	2.25E-04	2.60E-04	1.19E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.50E-08	2.98E-08	0.00E+00	0.00E+00	2.50E-08	5.34E-09	3.39E-08	5.22E-09	2.31E-09	7.18E-08
2090	494911.06	3859601.99	2.23E-04	2.58E-04	1.18E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.96E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.18E-09	2.29E-09	7.12E-08
2091	494961.06	3859601.99	2.23E-04	2.58E-04	1.18E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.96E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.18E-09	2.29E-09	7.12E-08
2092	495011.06	3859601.99	2.21E-04	2.56E-04	1.17E-04	7.66E-08	2.31E-07	1.34E-07	1.55E-07	1.40E-07	6.40E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.25E-09	3.33E-08	5.14E-09	2.27E-09	7.06E-08
2093	495061.06	3859601.99	2.21E-04	2.55E-04	1.17E-04	7.65E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.39E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.33E-08	5.13E-09	2.27E-09	7.05E-08

2094	495111.06	3859601.99	2.20E-04	2.54E-04	1.16E-04	7.60E-08	2.30E-07	1.33E-07	1.53E-07	1.39E-07	6.35E-08	2.91E-08	0.00E+00	0.00E+00	2.44E-08	5.21E-09	3.31E-08	5.10E-09	2.25E-09	7.01E-08
2095	495161.06	3859601.99	2.19E-04	2.53E-04	1.16E-04	7.58E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.33E-08	2.90E-08	0.00E+00	0.00E+00	2.44E-08	5.19E-09	3.30E-08	5.08E-09	2.25E-09	6.99E-08
2096	495211.06	3859601.99	2.18E-04	2.52E-04	1.16E-04	7.55E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.31E-08	2.89E-08	0.00E+00	0.00E+00	2.43E-08	5.17E-09	3.28E-08	5.06E-09	2.24E-09	6.96E-08
2097	495261.06	3859601.99	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.28E-08	2.88E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.23E-09	6.94E-08
2098	495311.06	3859601.99	2.17E-04	2.50E-04	1.15E-04	7.50E-08	2.27E-07	1.31E-07	1.51E-07	1.37E-07	6.27E-08	2.87E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.22E-09	6.91E-08
2099	495361.06	3859601.99	2.16E-04	2.49E-04	1.14E-04	7.47E-08	2.25E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.21E-09	6.88E-08
2100	495411.06	3859601.99	2.15E-04	2.48E-04	1.14E-04	7.44E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.21E-08	2.85E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.24E-08	4.99E-09	2.21E-09	6.86E-08
2101	495461.06	3859601.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.19E-09	6.80E-08
2102	495511.06	3859601.99	2.12E-04	2.44E-04	1.12E-04	7.32E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.11E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.02E-09	3.18E-08	4.91E-09	2.17E-09	6.75E-08
2103	495561.06	3859601.99	2.11E-04	2.44E-04	1.12E-04	7.31E-08	2.21E-07	1.28E-07	1.47E-07	1.34E-07	6.10E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.17E-09	6.73E-08
2104	495611.06	3859601.99	2.09E-04	2.41E-04	1.11E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.32E-07	6.04E-08	2.77E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.85E-09	2.15E-09	6.67E-08
2105	495661.06	3859601.99	2.08E-04	2.41E-04	1.10E-04	7.21E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.02E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.14E-08	4.83E-09	2.14E-09	6.65E-08
2106	494311.06	3859651.99	2.34E-04	2.71E-04	1.24E-04	8.11E-08	2.45E-07	1.42E-07	1.64E-07	1.49E-07	6.78E-08	3.10E-08	0.00E+00	0.00E+00	2.61E-08	5.56E-09	3.53E-08	5.44E-09	2.40E-09	7.48E-08
2107	494361.06	3859651.99	2.32E-04	2.68E-04	1.23E-04	8.04E-08	2.43E-07	1.41E-07	1.62E-07	1.47E-07	6.72E-08	3.08E-08	0.00E+00	0.00E+00	2.59E-08	5.51E-09	3.50E-08	5.40E-09	2.38E-09	7.41E-08
2108	494411.06	3859651.99	2.31E-04	2.67E-04	1.22E-04	8.01E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.06E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.37E-09	7.38E-08
2109	494461.06	3859651.99	2.31E-04	2.67E-04	1.22E-04	8.00E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.68E-08	3.06E-08	0.00E+00	0.00E+00	2.57E-08	5.48E-09	3.48E-08	5.36E-09	2.37E-09	7.37E-08
2110	494511.06	3859651.99	2.30E-04	2.66E-04	1.22E-04	7.96E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.05E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.36E-09	7.34E-08
2111	494561.06	3859651.99	2.29E-04	2.65E-04	1.21E-04	7.93E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.62E-08	3.03E-08	0.00E+00	0.00E+00	2.55E-08	5.44E-09	3.45E-08	5.32E-09	2.35E-09	7.31E-08
2112	494611.06	3859651.99	2.28E-04	2.64E-04	1.21E-04	7.90E-08	2.39E-07	1.38E-07	1.60E-07	1.45E-07	6.60E-08	3.02E-08	0.00E+00	0.00E+00	2.54E-08	5.42E-09	3.44E-08	5.30E-09	2.34E-09	7.28E-08
2113	494661.06	3859651.99	2.26E-04	2.62E-04	1.20E-04	7.84E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.55E-08	3.00E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.26E-09	2.32E-09	7.23E-08
2114	494711.06	3859651.99	2.26E-04	2.61E-04	1.19E-04	7.81E-08	2.36E-07	1.37E-07	1.58E-07	1.43E-07	6.52E-08	2.99E-08	0.00E+00	0.00E+00	2.51E-08	5.35E-09	3.40E-08	5.24E-09	2.32E-09	7.20E-08
2115	494761.06	3859651.99	2.25E-04	2.60E-04	1.19E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.50E-08	2.98E-08	0.00E+00	0.00E+00	2.50E-08	5.34E-09	3.39E-08	5.22E-09	2.31E-09	7.18E-08
2116	494811.06	3859651.99	2.24E-04	2.58E-04	1.18E-04	7.74E-08	2.34E-07	1.35E-07	1.56E-07	1.42E-07	6.47E-08	2.96E-08	0.00E+00	0.00E+00	2.49E-08	5.31E-09	3.37E-08	5.19E-09	2.29E-09	7.14E-08
2117	494861.06	3859651.99	2.23E-04	2.57E-04	1.18E-04	7.72E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.44E-08	2.95E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.36E-08	5.17E-09	2.29E-09	7.11E-08
2118	494911.06	3859651.99	2.22E-04	2.56E-04	1.17E-04	7.68E-08	2.32E-07	1.34E-07	1.55E-07	1.41E-07	6.41E-08	2.94E-08	0.00E+00	0.00E+00	2.47E-08	5.26E-09	3.34E-08	5.15E-09	2.28E-09	7.08E-08
2119	494961.06	3859651.99	2.21E-04	2.55E-04	1.17E-04	7.65E-08	2.31E-07	1.34E-07	1.55E-07	1.40E-07	6.39E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.33E-08	5.13E-09	2.27E-09	7.05E-08
2120	495011.06	3859651.99	2.20E-04	2.54E-04	1.17E-04	7.62E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.36E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.22E-09	3.31E-08	5.11E-09	2.26E-09	7.02E-08
2121	495061.06	3859651.99	2.19E-04	2.53E-04	1.16E-04	7.59E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.34E-08	2.91E-08	0.00E+00	0.00E+00	2.44E-08	5.20E-09	3.30E-08	5.09E-09	2.25E-09	7.00E-08
2122	495111.06	3859651.99	2.18E-04	2.52E-04	1.16E-04	7.56E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.31E-08	2.89E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.24E-09	6.96E-08
2123	495161.06	3859651.99	2.17E-04	2.51E-04	1.15E-04	7.53E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.88E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.23E-09	6.94E-08
2124	495211.06	3859651.99	2.17E-04	2.50E-04	1.15E-04	7.50E-08	2.27E-07	1.31E-07	1.51E-07	1.37E-07	6.27E-08	2.87E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.22E-09	6.92E-08
2125	495261.06	3859651.99	2.16E-04	2.49E-04	1.14E-04	7.47E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.21E-09	6.89E-08
2126	495311.06	3859651.99	2.15E-04	2.48E-04	1.14E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.85E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.24E-08	4.99E-09	2.21E-09	6.86E-08
2127	495361.06	3859651.99	2.14E-04	2.48E-04	1.13E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.84E-08	0.00E+00	0.00E+00	2.39E-08	5.08E-09	3.23E-08	4.98E-09	2.20E-09	6.84E-08
2128	495411.06	3859651.99	2.13E-04	2.46E-04	1.13E-04	7.39E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.83E-08	0.00E+00	0.00E+00	2.38E-08	5.06E-09	3.21E-08	4.95E-09	2.19E-09	6.81E-08
2129	495461.06	3859651.99	2.12E-04	2.45E-04	1.12E-04	7.33E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.81E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.92E-09	2.17E-09	6.76E-08
2130	495511.06	3859651.99	2.10E-04	2.43E-04	1.11E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.16E-09	6.71E-08
2131	495561.06	3859651.99	2.10E-04	2.42E-04	1.11E-04	7.26E-08	2.19E-07	1.27E-07	1.47E-07	1.33E-07	6.06E-08	2.78E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.16E-08	4.87E-09	2.15E-09	6.69E-08
2132	495611.06	3859651.99	2.09E-04	2.41E-04	1.10E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.14E-09	6.65E-08
2133	495661.06	3859651.99	2.07E-04	2.39E-04	1.10E-04	7.18E-08	2.17E-07	1.25E-07	1.45E-07	1.31E-07	5.99E-08	2.75E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.81E-09	2.13E-09	6.61E-08
2134	494311.06	3859701.99	2.30E-04	2.66E-04	1.22E-04	7.96E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.05E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.46E-08	5.34E-09	2.36E-09	7.34E-08
2135	494361.06	3859701.99	2.29E-04	2.64E-04	1.21E-04	7.92E-08	2.39E-07	1.38E-07	1.60E-07	1.45E-07	6.62E-08	3.03E-08	0.00E+00	0.00E+00	2.55E-08	5.43E-09	3.45E-08	5.31E-09	2.35E-09	7.30E-08
2136	494411.06	3859701.99	2.28E-04	2.64E-04	1.21E-04	7.90E-08	2.38E-07	1.38E-07	1.59E-07	1.45E-07	6.60E-08	3.02E-08	0.00E+00	0.00E+00	2.54E-08	5.41E-09	3.43E-08	5.30E-09	2.34E-09	7.28E-08
2137	494461.06	3859701.99	2.28E-04	2.63E-04	1.21E-04	7.89E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.59E-08	3.02E-08	0.00E+00	0.00E+00	2.54E-08	5.41E-09	3.43E-08	5.29E-09	2.34E-09	7.27E-08
2138	494511.06	3859701.99	2.27E-04	2.62E-04	1.20E-04	7.86E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	3.01E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.27E-09	2.33E-09	7.24E-08
2139	494561.06	3859701.99	2.26E-04	2.61E-04	1.20E-04	7.83E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.54E-08	3.00E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.25E-09	2.32E-09	7.22E-08
2140	494611.06	3859701.99	2.25E-04	2.60E-04	1.19E-04	7.81E-08	2.36E-07	1.36E-07	1.58E-07	1.43E-07	6.52E-08	2.98E-08	0.00E+00	0.00E+00	2.51E-08	5.35E-09	3.39E-08	5.23E-09	2.31E-09	7.19E-08
2141	494661.06	3859701.99	2.24E-04	2.58E-04	1.18E-04	7.74E-08	2.34E-07	1.35E-07	1.56E-07	1.42E-07	6.46E-08	2.96E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.37E-08	5.19E-09	2.29E-09	7.13E-08
2142	494711.06	3859701.99	2.23E-04	2.58E-04	1.18E-04	7.72E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.95E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.36E-08	5.18E-09	2.29E-09	7.12E-08
2143	494761.06	3859701.99	2.22E-04	2.56E-04	1.17E-04	7.69E-08	2.32E-07	1.34E-07	1.55E-07	1.41E-07	6.42E-08	2.94E-08	0.00E+00	0.00E+00	2.47E-08	5.27E-09	3.34E-08	5.15E-09	2.28E-09	7.08E-08
2144	494811.06	3859701.99	2.21E-04	2.55E-04	1.17E-04	7.65E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.39E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.33E-08	5.13E-09	2.27E-09	7.05E-08
2145	494861.06	3859701.99	2.21E-04	2.55E-04	1.17E-04	7.63E-08	2.31E-07	1.33E-07	1.54E-07	1.40E-07	6.38E-08	2.92E-08	0.00E+00	0.00E+00	2.46E-08	5.23E-09	3.32E-08	5.12E-09	2.26E-09	7.04E-08
2146	494911.06	3859701.99	2.20E-04	2.54E-04	1.16E-04	7.60E-08	2.30E-07	1.33E-07	1.53E-07	1.39E-07	6.35E-08	2.91E-08	0.00E+00	0.00E+00	2.44E-08	5.21E-09	3.31E-08	5.10E-09	2.25E-09	7.01E-08
2147	494961.06	3859701.99	2.19E-04	2.53E-04	1.16E-04	7.57E-08	2.29E-07	1.32E-07	1.53E-07	1.39E-07	6.32E-08	2.90E-08	0.00E+00	0.00E+00	2.43E-08	5.19E-09	3.29E-08	5.08E-09	2.24E-09	6.98E-08
2148	495011.06	3859701.99	2.18E-04	2.52E-04	1.15E-04	7.55E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.30E-08	2.89E-08	0.00E+00	0.00E+00	2.43E-08	5.17E-09	3.28E-08	5.06E-09	2.24E-09	6.96E-08
2149	495061.06	3859701.99	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.28E-08	2.88E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.23E-09	6.93E-08
2150	495111.06	3859701.99	2.16E-04	2.50E-04	1.15E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.87E-08	0.00E+00	0.00E+00	2.41E-08	5.13E-09	3.26E-08	5.02E-09	2.22E-09	6.90E-08
2151	495161.06	3859701.99	2.15E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.36E-07	6.23E-08	2.85E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.21E-09	6.87E-08
2152	495211.06	3859701.99	2.14E-04	2.48E-04	1.13E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.84E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.20E-09	6.84E-08
2153	495261.06	3859701.99	2.14E-04	2.47E-04	1.13E-04	7.41E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.84E-08	0.00E+00	0.00E+00	2.38E-08	5.08E-09	3.22E-08	4.97E-09	2.20E-09	6.83E-08
2154	495311.06	3859701.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.82E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.19E-09	6.80E-08
2155	495361.06	3859701.99	2.12E-04	2.45E-04	1.12E-04	7.35E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.14E-08	2.81E-08	0.00E+00	0.00E+00	2.36E-08	5.03E-09	3.19E-08	4.93E-09	2.18E-09	6.77E-08
2156	495411.06	3859701.99	2.11E-04	2.44E-04	1.12E-04	7.31E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.10E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.16E-09	6.73E-08
2157	495461.06	3859701.99	2.10E-04	2.43E-04	1.11E-04	7.27E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.78E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.88E-09	2.15E-09	6.70E-08
2158	495511.06	3859701.99	2.08E-04	2.41E-04	1.10E-04	7.21E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.02E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.14E-08	4.84E-09	2.14E-09	6.65E-08
2159	495561.06	3859701.99	2.08E-04	2.40E-04	1.10E-04	7.21E-08	2.18E-07	1.26E-07	1.45E-07	1.32E-07	6.02E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.13E-08	4.83E-09	2.14E-09	6.64E-08
2160	495611.06	3859701.99	2.07E-04	2.39E-04	1.10E-04	7.17E-08	2.17E-07	1.25E-07	1.45E-07	1.31E-07	5.99E-08	2.74E-08	0.00E+00	0.00E+00	2.31E-08	4.91E-09	3.12E-08	4.81E-09	2.13E-09	6.61E-08
2161	495661.06	3859701.99	2.06E-04	2.38E-04	1.09E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.73E-08	0.00E+00	0.00E+00	2.29E-08	4.89E-09	3.10E-08	4.78E-09	2.11E-09	6.58E-08
2162	494311.06	3859751.99	2.27E-04	2.63E-04	1.20E-04	7.87E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.57E-08	3.01E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.28E-09	2.33E-09	7.25E-08
2163	494361.06	3859751.99	2.26E-04	2.61E-04	1.20E-04	7.83E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.54E-08	2.99E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.25E-09	2.32E-09	7.22E-08
2164	494411.06	3859751.99	2.25E-04	2.60E-04	1.19E-04	7.80E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.51E-08	2.98E-08	0.00E+00	0.00E+00	2.51E-08	5.34E-09	3.39E-08	5.23E-09	2.31E-09	7.19E-08
2165	494461.06	3859751.99	2.25E-04	2.60E-04	1.19E-04	7.78E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.50E-08	2.97E-08	0.00E+00	0.00E+00	2.50E-08	5.33E-09	3.38E-08	5.22E-09	2.30E-09	7.17E-08
2166	494511.06	3859751.99	2.24E-04	2.59E-04	1.19E-04	7.76E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	2.97E-08	0.00E+00	0.00E+00	2.50E-08	5.32E-09	3.38E-08	5.21E-09	2.30E-09	7.15E-08
2167	494561.06	3859751.99	2.23E-04	2.58E-04	1.18E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.42E-07	6.46E-08	2.95E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.19E-09	2.29E-09	7.13E-08
2168	494611.06	3859751.99	2.22E-04	2.57E-04	1.18E-04	7.69E-08	2.32E-07	1.34E-07	1.55E-07	1.41E-07	6.43E-08	2.94E-08	0.00E+00	0.00E+00	2.47E-08	5.27E-09	3.35E-08	5.16E-09	2.28E-09	7.09E-08
2169	494661.06	3859751.99	2.21E-04	2.55E-04	1.17E-04	7.65E-08	2.31E-07	1.34E-07	1.54E-07	1.40E-07	6.39E-08	2.92E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.33E-08	5.13E-09	2.26E-09	7.05E-08
2170	494711.06	3859751.99	2.20E-04	2.55E-04	1.17E-04	7.63E-08	2.30E-07	1.33E-07	1.54E-07	1.40E-07	6.37E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.23E-09	3.32E-08	5.12E-09	2.26E-09	7.03E-08
2171	494761.06	3859751.99	2.20E-04	2.54E-04	1.16E-04	7.60E-08	2.30E-07	1.33E-07	1.54E-07	1.39E-07	6.35E-08	2.91E-08	0.00E+00	0.00E+00	2.45E-08	5.21E-09	3.31E-08	5.10E-09	2.25E-09	7.01E-08
2172	494811.06	3859751.99	2.19E-04	2.53E-04	1.16E-04	7.57E-08	2.29E-07	1.32E-07	1.53E-07	1.39E-07	6.32E-08	2.89E-08	0.00E+00	0.00E+00	2.43E-08	5.19E-09	3.29E-08	5.08E-09	2.24E-09	6.98E-08
2173	494861.06	3859751.99	2.18E-04	2.52E-04	1.15E-04	7.55E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.30E-08	2.89E-08	0.00E+00	0.00E+00	2.43E-08	5.17E-09	3.28E-08	5.06E-09	2.23E-09	6.95E-08
2174	494911.06	3859751.99	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.28E-08	2.87E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.23E-09	6.93E-08
2175	494961.06	3859751.99	2.16E-04	2.50E-04	1.14E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.87E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.22E-09	6.91E-08
2176	495011.06	3859751.99	2.16E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.37E-07	6.23E-08	2.85E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.21E-09	6.88E-08
2177	495061.06	3859751.99	2.15E-04	2.48E-04	1.14E-04	7.44E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.85E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.24E-08	4.99E-09	2.20E-09	6.86E-08
2178	495111.06	3859751.99	2.14E-04	2.47E-04	1.13E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.84E-08	0.00E+00	0.00E+00	2.38E-08	5.08E-09	3.23E-08	4.97E-09	2.20E-09	6.83E-08
2179	495161.06	3859751.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.82E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.19E-09	6.81E-08
2180	495211.06	3859751.99	2.12E-04	2.45E-04	1.12E-04	7.35E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.14E-08	2.81E-08	0.00E+00	0.00E+00	2.36E-08	5.04E-09	3.20E-08	4.93E-09	2.18E-09	6.78E-08
2181	495261.06	3859751.99	2.12E-04	2.45E-04	1.12E-04	7.33E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.80E-08	0.00E+00	0.00E+00	2.36E-08	5.02E-09	3.19E-08	4.92E-09	2.17E-09	6.76E-08
2182	495311.06	3859751.99	2.11E-04	2.44E-04	1.12E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.34E-07	6.10E-08	2.79E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.18E-08	4.90E-09	2.16E-09	6.73E-08
2183	495361.06	3859751.99	2.10E-04	2.43E-04	1.11E-04	7.27E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.78E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.88E-09	2.15E-09	6.70E-08
2184	495411.06	3859751.99	2.09E-04	2.42E-04	1.11E-04	7.25E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.05E-08	2.77E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.15E-09	6.68E-08
2185	495461.06	3859751.99	2.08E-04	2.41E-04	1.10E-04	7.21E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.02E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.13E-08	4.83E-09	2.14E-09	6.64E-08
2186	495511.06	3859751.99	2.07E-04	2.39E-04	1.10E-04	7.17E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.99E-08	2.74E-08	0.00E+00	0.00E+00	2.31E-08	4.91E-09	3.12E-08	4.81E-09	2.12E-09	6.61E-08
2187	495561.06	3859751.99	2.06E-04	2.38E-04	1.09E-04	7.14E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.73E-08	0.00E+00	0.00E+00	2.30E-08	4.89E-09	3.10E-08	4.79E-09	2.12E-09	6.58E-08
2188	495611.06	3859751.99	2.05E-04	2.37E-04	1.09E-04	7.11E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.94E-08	2.72E-08	0.00E+00	0.00E+00	2.29E-08	4.87E-09	3.09E-08	4.77E-09	2.11E-09	6.55E-08
2189	495661.06	3859751.99	2.05E-04	2.36E-04	1.08E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.92E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.08E-08	4.75E-09	2.10E-09	6.53E-08
2190	494311.06	3859801.99	2.25E-04	2.59E-04	1.19E-04	7.77E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.49E-08	2.97E-08	0.00E+00	0.00E+00	2.50E-08	5.33E-09	3.38E-08	5.21E-09	2.30E-09	7.16E-08
2191	494361.06	3859801.99	2.23E-04	2.58E-04	1.18E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.42E-07	6.46E-08	2.95E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.19E-09	2.29E-09	7.13E-08
2192	494411.06	3859801.99	2.22E-04	2.57E-04	1.17E-04	7.69E-08	2.32E-07	1.34E-07	1.55E-07	1.41E-07	6.42E-08	2.94E-08	0.00E+00	0.00E+00	2.47E-08	5.27E-09	3.35E-08	5.16E-09	2.28E-09	7.09E-08
2193	494461.06	3859801.99	2.22E-04	2.56E-04	1.17E-04	7.67E-08	2.32E-07	1.34E-07	1.55E-07	1.41E-07	6.41E-08	2.93E-08	0.00E+00	0.00E+00	2.47E-08	5.26E-09	3.34E-08	5.15E-09	2.27E-09	7.07E-08
2194	494511.06	3859801.99	2.21E-04	2.56E-04	1.17E-04	7.66E-08	2.31E-07	1.34E-07	1.55E-07	1.40E-07	6.40E-08	2.93E-08	0.00E+00	0.00E+00	2.46E-08	5.25E-09	3.33E-08	5.14E-09	2.27E-09	7.06E-08
2195	494561.06	3859801.99	2.20E-04	2.55E-04	1.16E-04	7.63E-08	2.30E-07	1.33E-07	1.54E-07	1.40E-07	6.37E-08	2.92E-08	0.00E+00	0.00E+00	2.45E-08	5.23E-09	3.32E-08	5.12E-09	2.26E-09	7.03E-08
2196	494611.06	3859801.99	2.19E-04	2.53E-04	1.16E-04	7.59E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.34E-08	2.90E-08	0.00E+00	0.00E+00	2.44E-08	5.20E-09	3.30E-08	5.09E-09	2.24E-09	6.99E-08
2197	494661.06	3859801.99	2.18E-04	2.52E-04	1.15E-04	7.55E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.31E-08	2.89E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.24E-09	6.96E-08
2198	494711.06	3859801.99	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.28E-08	2.87E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.23E-09	6.93E-08

2199	494761.06	3859801.99	2.17E-04	2.51E-04	1.15E-04	7.51E-08	2.27E-07	1.31E-07	1.52E-07	1.37E-07	6.27E-08	2.87E-08	0.00E+00	0.00E+00	2.41E-08	5.15E-09	3.27E-08	5.04E-09	2.22E-09	6.92E-08
2200	494811.06	3859801.99	2.16E-04	2.50E-04	1.14E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.25E-08	2.86E-08	0.00E+00	0.00E+00	2.40E-08	5.13E-09	3.25E-08	5.02E-09	2.21E-09	6.89E-08
2201	494861.06	3859801.99	2.15E-04	2.49E-04	1.14E-04	7.45E-08	2.25E-07	1.30E-07	1.51E-07	1.36E-07	6.23E-08	2.85E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.24E-08	5.00E-09	2.21E-09	6.87E-08
2202	494911.06	3859801.99	2.14E-04	2.48E-04	1.13E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.84E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.20E-09	6.84E-08
2203	494961.06	3859801.99	2.14E-04	2.47E-04	1.13E-04	7.40E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.18E-08	2.83E-08	0.00E+00	0.00E+00	2.38E-08	5.07E-09	3.22E-08	4.96E-09	2.19E-09	6.82E-08
2204	495011.06	3859801.99	2.13E-04	2.46E-04	1.13E-04	7.37E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.82E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.94E-09	2.18E-09	6.79E-08
2205	495061.06	3859801.99	2.12E-04	2.45E-04	1.12E-04	7.35E-08	2.22E-07	1.28E-07	1.48E-07	1.34E-07	6.14E-08	2.81E-08	0.00E+00	0.00E+00	2.36E-08	5.04E-09	3.20E-08	4.93E-09	2.17E-09	6.77E-08
2206	495111.06	3859801.99	2.11E-04	2.44E-04	1.12E-04	7.32E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.11E-08	2.80E-08	0.00E+00	0.00E+00	2.35E-08	5.02E-09	3.18E-08	4.91E-09	2.17E-09	6.75E-08
2207	495161.06	3859801.99	2.11E-04	2.43E-04	1.11E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.09E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	5.00E-09	3.17E-08	4.89E-09	2.16E-09	6.72E-08
2208	495211.06	3859801.99	2.10E-04	2.43E-04	1.11E-04	7.27E-08	2.19E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.78E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.87E-09	2.15E-09	6.70E-08
2209	495261.06	3859801.99	2.09E-04	2.42E-04	1.11E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.05E-08	2.77E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.86E-09	2.14E-09	6.67E-08
2210	495311.06	3859801.99	2.09E-04	2.41E-04	1.10E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.14E-09	6.65E-08
2211	495361.06	3859801.99	2.08E-04	2.40E-04	1.10E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.75E-08	0.00E+00	0.00E+00	2.31E-08	4.93E-09	3.13E-08	4.82E-09	2.13E-09	6.63E-08
2212	495411.06	3859801.99	2.07E-04	2.39E-04	1.09E-04	7.16E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.74E-08	0.00E+00	0.00E+00	2.30E-08	4.91E-09	3.11E-08	4.80E-09	2.12E-09	6.60E-08
2213	495461.06	3859801.99	2.06E-04	2.38E-04	1.09E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.73E-08	0.00E+00	0.00E+00	2.29E-08	4.89E-09	3.10E-08	4.78E-09	2.11E-09	6.57E-08
2214	495511.06	3859801.99	2.05E-04	2.37E-04	1.08E-04	7.10E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.09E-08	4.76E-09	2.10E-09	6.54E-08
2215	495561.06	3859801.99	2.04E-04	2.36E-04	1.08E-04	7.07E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.91E-08	2.71E-08	0.00E+00	0.00E+00	2.27E-08	4.85E-09	3.08E-08	4.74E-09	2.09E-09	6.52E-08
2216	495611.06	3859801.99	2.04E-04	2.35E-04	1.08E-04	7.06E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.89E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.73E-09	2.09E-09	6.50E-08
2217	495661.06	3859801.99	2.03E-04	2.34E-04	1.07E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.69E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.08E-09	6.47E-08
2218	494311.06	3859851.99	2.22E-04	2.56E-04	1.17E-04	7.67E-08	2.32E-07	1.34E-07	1.55E-07	1.40E-07	6.41E-08	2.93E-08	0.00E+00	0.00E+00	2.47E-08	5.26E-09	3.34E-08	5.15E-09	2.27E-09	7.07E-08
2219	494361.06	3859851.99	2.21E-04	2.55E-04	1.17E-04	7.64E-08	2.31E-07	1.33E-07	1.54E-07	1.40E-07	6.38E-08	2.92E-08	0.00E+00	0.00E+00	2.46E-08	5.24E-09	3.32E-08	5.12E-09	2.26E-09	7.04E-08
2220	494411.06	3859851.99	2.20E-04	2.54E-04	1.16E-04	7.60E-08	2.29E-07	1.33E-07	1.53E-07	1.39E-07	6.35E-08	2.90E-08	0.00E+00	0.00E+00	2.44E-08	5.21E-09	3.31E-08	5.10E-09	2.25E-09	7.00E-08
2221	494461.06	3859851.99	2.19E-04	2.53E-04	1.15E-04	7.57E-08	2.28E-07	1.32E-07	1.53E-07	1.39E-07	6.32E-08	2.89E-08	0.00E+00	0.00E+00	2.43E-08	5.19E-09	3.29E-08	5.08E-09	2.24E-09	6.97E-08
2222	494511.06	3859851.99	2.18E-04	2.52E-04	1.15E-04	7.55E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.30E-08	2.88E-08	0.00E+00	0.00E+00	2.43E-08	5.17E-09	3.28E-08	5.06E-09	2.23E-09	6.96E-08
2223	494561.06	3859851.99	2.17E-04	2.51E-04	1.15E-04	7.53E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.88E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.27E-08	5.05E-09	2.23E-09	6.94E-08
2224	494611.06	3859851.99	2.16E-04	2.50E-04	1.14E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.25E-08	2.86E-08	0.00E+00	0.00E+00	2.41E-08	5.13E-09	3.26E-08	5.02E-09	2.21E-09	6.90E-08
2225	494661.06	3859851.99	2.16E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.37E-07	6.23E-08	2.85E-08	0.00E+00	0.00E+00	2.40E-08	5.11E-09	3.25E-08	5.01E-09	2.21E-09	6.88E-08
2226	494711.06	3859851.99	2.14E-04	2.48E-04	1.13E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.84E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.20E-09	6.84E-08
2227	494761.06	3859851.99	2.14E-04	2.47E-04	1.13E-04	7.41E-08	2.24E-07	1.29E-07	1.50E-07	1.36E-07	6.19E-08	2.83E-08	0.00E+00	0.00E+00	2.38E-08	5.08E-09	3.22E-08	4.97E-09	2.19E-09	6.83E-08
2228	494811.06	3859851.99	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.82E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.18E-09	6.80E-08
2229	494861.06	3859851.99	2.13E-04	2.46E-04	1.12E-04	7.36E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.15E-08	2.81E-08	0.00E+00	0.00E+00	2.37E-08	5.04E-09	3.20E-08	4.94E-09	2.18E-09	6.78E-08
2230	494911.06	3859851.99	2.12E-04	2.45E-04	1.12E-04	7.33E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.80E-08	0.00E+00	0.00E+00	2.36E-08	5.02E-09	3.19E-08	4.92E-09	2.17E-09	6.75E-08
2231	494961.06	3859851.99	2.11E-04	2.44E-04	1.12E-04	7.30E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.10E-08	2.79E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.16E-09	6.73E-08
2232	495011.06	3859851.99	2.10E-04	2.43E-04	1.11E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.78E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.15E-09	6.71E-08
2233	495061.06	3859851.99	2.10E-04	2.42E-04	1.11E-04	7.26E-08	2.19E-07	1.27E-07	1.47E-07	1.33E-07	6.06E-08	2.77E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.16E-08	4.87E-09	2.15E-09	6.69E-08
2234	495111.06	3859851.99	2.09E-04	2.41E-04	1.10E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.04E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.85E-09	2.14E-09	6.66E-08
2235	495161.06	3859851.99	2.08E-04	2.40E-04	1.10E-04	7.20E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.75E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.13E-08	4.83E-09	2.13E-09	6.64E-08
2236	495211.06	3859851.99	2.07E-04	2.40E-04	1.10E-04	7.18E-08	2.17E-07	1.25E-07	1.45E-07	1.31E-07	5.99E-08	2.74E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.81E-09	2.12E-09	6.61E-08
2237	495261.06	3859851.99	2.07E-04	2.39E-04	1.09E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.73E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.80E-09	2.12E-09	6.59E-08
2238	495311.06	3859851.99	2.06E-04	2.38E-04	1.09E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.31E-07	5.95E-08	2.72E-08	0.00E+00	0.00E+00	2.29E-08	4.89E-09	3.10E-08	4.78E-09	2.11E-09	6.57E-08
2239	495361.06	3859851.99	2.05E-04	2.37E-04	1.09E-04	7.11E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.94E-08	2.72E-08	0.00E+00	0.00E+00	2.29E-08	4.87E-09	3.09E-08	4.77E-09	2.10E-09	6.55E-08
2240	495411.06	3859851.99	2.04E-04	2.36E-04	1.08E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.91E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.75E-09	2.10E-09	6.52E-08
2241	495461.06	3859851.99	2.04E-04	2.35E-04	1.08E-04	7.05E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.89E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.83E-09	3.07E-08	4.73E-09	2.09E-09	6.50E-08
2242	495511.06	3859851.99	2.03E-04	2.34E-04	1.07E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.86E-08	2.68E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.08E-09	6.47E-08
2243	495561.06	3859851.99	2.02E-04	2.34E-04	1.07E-04	7.00E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.85E-08	2.68E-08	0.00E+00	0.00E+00	2.25E-08	4.80E-09	3.04E-08	4.70E-09	2.07E-09	6.45E-08
2244	495611.06	3859851.99	2.02E-04	2.33E-04	1.07E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.04E-08	4.68E-09	2.07E-09	6.43E-08
2245	495661.06	3859851.99	2.01E-04	2.32E-04	1.06E-04	6.95E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.06E-09	6.40E-08
2246	494311.06	3859901.99	2.19E-04	2.53E-04	1.15E-04	7.57E-08	2.29E-07	1.32E-07	1.53E-07	1.39E-07	6.32E-08	2.89E-08	0.00E+00	0.00E+00	2.43E-08	5.19E-09	3.29E-08	5.08E-09	2.24E-09	6.98E-08
2247	494361.06	3859901.99	2.17E-04	2.51E-04	1.15E-04	7.53E-08	2.27E-07	1.32E-07	1.52E-07	1.38E-07	6.29E-08	2.87E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.28E-08	5.05E-09	2.23E-09	6.94E-08
2248	494411.06	3859901.99	2.17E-04	2.50E-04	1.14E-04	7.50E-08	2.27E-07	1.31E-07	1.52E-07	1.37E-07	6.27E-08	2.86E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.22E-09	6.92E-08
2249	494461.06	3859901.99	2.16E-04	2.49E-04	1.14E-04	7.47E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.24E-08	2.85E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.21E-09	6.89E-08
2250	494511.06	3859901.99	2.15E-04	2.49E-04	1.14E-04	7.45E-08	2.25E-07	1.30E-07	1.50E-07	1.36E-07	6.22E-08	2.84E-08	0.00E+00	0.00E+00	2.39E-08	5.11E-09	3.24E-08	5.00E-09	2.20E-09	6.86E-08
2251	494561.06	3859901.99	2.15E-04	2.48E-04	1.13E-04	7.43E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.21E-08	2.84E-08	0.00E+00	0.00E+00	2.39E-08	5.10E-09	3.23E-08	4.99E-09	2.20E-09	6.85E-08
2252	494611.06	3859901.99	2.13E-04	2.47E-04	1.13E-04	7.39E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.82E-08	0.00E+00	0.00E+00	2.38E-08	5.06E-09	3.21E-08	4.96E-09	2.18E-09	6.81E-08
2253	494661.06	3859901.99	2.13E-04	2.46E-04	1.12E-04	7.37E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.81E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.94E-09	2.18E-09	6.79E-08
2254	494711.06	3859901.99	2.12E-04	2.45E-04	1.12E-04	7.33E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.80E-08	0.00E+00	0.00E+00	2.36E-08	5.02E-09	3.19E-08	4.91E-09	2.17E-09	6.75E-08
2255	494761.06	3859901.99	2.11E-04	2.44E-04	1.11E-04	7.31E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.10E-08	2.79E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.16E-09	6.73E-08
2256	494811.06	3859901.99	2.11E-04	2.43E-04	1.11E-04	7.29E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.09E-08	2.78E-08	0.00E+00	0.00E+00	2.34E-08	5.00E-09	3.17E-08	4.89E-09	2.15E-09	6.72E-08
2257	494861.06	3859901.99	2.10E-04	2.42E-04	1.11E-04	7.26E-08	2.19E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.77E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.87E-09	2.15E-09	6.70E-08
2258	494911.06	3859901.99	2.09E-04	2.41E-04	1.10E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.04E-08	2.76E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.85E-09	2.14E-09	6.67E-08
2259	494961.06	3859901.99	2.08E-04	2.41E-04	1.10E-04	7.21E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.02E-08	2.75E-08	0.00E+00	0.00E+00	2.32E-08	4.94E-09	3.14E-08	4.84E-09	2.13E-09	6.65E-08
2260	495011.06	3859901.99	2.08E-04	2.40E-04	1.10E-04	7.18E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.00E-08	2.74E-08	0.00E+00	0.00E+00	2.31E-08	4.93E-09	3.13E-08	4.82E-09	2.12E-09	6.62E-08
2261	495061.06	3859901.99	2.07E-04	2.39E-04	1.09E-04	7.16E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	5.98E-08	2.73E-08	0.00E+00	0.00E+00	2.30E-08	4.91E-09	3.11E-08	4.80E-09	2.12E-09	6.60E-08
2262	495111.06	3859901.99	2.06E-04	2.38E-04	1.09E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.31E-07	5.96E-08	2.72E-08	0.00E+00	0.00E+00	2.29E-08	4.89E-09	3.10E-08	4.78E-09	2.11E-09	6.57E-08
2263	495161.06	3859901.99	2.05E-04	2.37E-04	1.08E-04	7.10E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.87E-09	3.09E-08	4.76E-09	2.10E-09	6.55E-08
2264	495211.06	3859901.99	2.05E-04	2.36E-04	1.08E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.92E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.08E-08	4.75E-09	2.10E-09	6.53E-08
2265	495261.06	3859901.99	2.04E-04	2.35E-04	1.08E-04	7.05E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.89E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.73E-09	2.09E-09	6.50E-08
2266	495311.06	3859901.99	2.03E-04	2.35E-04	1.07E-04	7.03E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.69E-08	0.00E+00	0.00E+00	2.26E-08	4.82E-09	3.06E-08	4.72E-09	2.08E-09	6.48E-08
2267	495361.06	3859901.99	2.03E-04	2.34E-04	1.07E-04	7.01E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.68E-08	0.00E+00	0.00E+00	2.25E-08	4.81E-09	3.05E-08	4.70E-09	2.07E-09	6.46E-08
2268	495411.06	3859901.99	2.02E-04	2.33E-04	1.07E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.67E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.68E-09	2.07E-09	6.44E-08
2269	495461.06	3859901.99	2.01E-04	2.32E-04	1.06E-04	6.96E-08	2.10E-07	1.22E-07	1.41E-07	1.27E-07	5.81E-08	2.66E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.06E-09	6.41E-08
2270	495511.06	3859901.99	2.00E-04	2.32E-04	1.06E-04	6.94E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.65E-09	2.05E-09	6.40E-08
2271	495561.06	3859901.99	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.64E-08	0.00E+00	0.00E+00	2.22E-08	4.74E-09	3.01E-08	4.64E-09	2.05E-09	6.38E-08
2272	495611.06	3859901.99	1.99E-04	2.30E-04	1.05E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.76E-08	2.63E-08	0.00E+00	0.00E+00	2.22E-08	4.72E-09	3.00E-08	4.62E-09	2.04E-09	6.35E-08
2273	495661.06	3859901.99	1.98E-04	2.29E-04	1.05E-04	6.86E-08	2.07E-07	1.20E-07	1.39E-07	1.26E-07	5.73E-08	2.62E-08	0.00E+00	0.00E+00	2.21E-08	4.70E-09	2.99E-08	4.60E-09	2.03E-09	6.33E-08
2274	494311.06	3859951.99	2.16E-04	2.50E-04	1.14E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.86E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.21E-09	6.91E-08
2275	494361.06	3859951.99	2.16E-04	2.49E-04	1.14E-04	7.46E-08	2.25E-07	1.30E-07	1.51E-07	1.37E-07	6.24E-08	2.85E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.21E-09	6.88E-08
2276	494411.06	3859951.99	2.14E-04	2.47E-04	1.13E-04	7.41E-08	2.24E-07	1.29E-07	1.50E-07	1.36E-07	6.19E-08	2.83E-08	0.00E+00	0.00E+00	2.38E-08	5.08E-09	3.22E-08	4.97E-09	2.19E-09	6.83E-08
2277	494461.06	3859951.99	2.13E-04	2.46E-04	1.12E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.82E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.18E-09	6.80E-08
2278	494511.06	3859951.99	2.12E-04	2.45E-04	1.12E-04	7.35E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.14E-08	2.81E-08	0.00E+00	0.00E+00	2.36E-08	5.04E-09	3.20E-08	4.93E-09	2.17E-09	6.78E-08
2279	494561.06	3859951.99	2.13E-04	2.46E-04	1.12E-04	7.36E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.15E-08	2.81E-08	0.00E+00	0.00E+00	2.37E-08	5.04E-09	3.20E-08	4.94E-09	2.17E-09	6.78E-08
2280	494611.06	3859951.99	2.11E-04	2.44E-04	1.11E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.34E-07	6.10E-08	2.79E-08	0.00E+00	0.00E+00	2.35E-08	5.00E-09	3.18E-08	4.90E-09	2.16E-09	6.73E-08
2281	494661.06	3859951.99	2.11E-04	2.44E-04	1.11E-04	7.30E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.10E-08	2.79E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.16E-09	6.73E-08
2282	494711.06	3859951.99	2.09E-04	2.42E-04	1.10E-04	7.24E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.05E-08	2.76E-08	0.00E+00	0.00E+00	2.33E-08	4.96E-09	3.15E-08	4.86E-09	2.14E-09	6.68E-08
2283	494761.06	3859951.99	2.09E-04	2.41E-04	1.10E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.84E-09	2.13E-09	6.65E-08
2284	494811.06	3859951.99	2.08E-04	2.40E-04	1.10E-04	7.19E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.75E-08	0.00E+00	0.00E+00	2.31E-08	4.93E-09	3.13E-08	4.83E-09	2.13E-09	6.63E-08
2285	494861.06	3859951.99	2.07E-04	2.39E-04	1.09E-04	7.17E-08	2.17E-07	1.25E-07	1.45E-07	1.31E-07	5.99E-08	2.74E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.81E-09	2.12E-09	6.61E-08
2286	494911.06	3859951.99	2.06E-04	2.38E-04	1.09E-04	7.14E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.73E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.79E-09	2.11E-09	6.58E-08
2287	494961.06	3859951.99	2.06E-04	2.38E-04	1.09E-04	7.12E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.94E-08	2.72E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.77E-09	2.10E-09	6.56E-08
2288	495011.06	3859951.99	2.05E-04	2.37E-04	1.08E-04	7.09E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.92E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.08E-08	4.76E-09	2.10E-09	6.53E-08
2289	495061.06	3859951.99	2.04E-04	2.36E-04	1.08E-04	7.06E-08	2.13E-07	1.23E-07	1.43E-07	1.29E-07	5.90E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.74E-09	2.09E-09	6.51E-08
2290	495111.06	3859951.99	2.03E-04	2.35E-04	1.07E-04	7.04E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.69E-08	0.00E+00	0.00E+00	2.26E-08	4.82E-09	3.06E-08	4.72E-09	2.08E-09	6.49E-08
2291	495161.06	3859951.99	2.02E-04	2.34E-04	1.07E-04	7.01E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.85E-08	2.68E-08	0.00E+00	0.00E+00	2.25E-08	4.80E-09	3.05E-08	4.70E-09	2.07E-09	6.46E-08
2292	495211.06	3859951.99	2.02E-04	2.33E-04	1.07E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.67E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.68E-09	2.07E-09	6.44E-08
2293	495261.06	3859951.99	2.01E-04	2.32E-04	1.06E-04	6.96E-08	2.10E-07	1.22E-07	1.41E-07	1.27E-07	5.81E-08	2.66E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.06E-09	6.41E-08
2294	495311.06	3859951.99	2.01E-04	2.32E-04	1.06E-04	6.94E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.05E-09	6.40E-08
2295	495361.06	3859951.99	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.64E-08	0.00E+00	0.00E+00	2.22E-08	4.74E-09	3.01E-08	4.64E-09	2.05E-09	6.38E-08
2296	495411.06	3859951.99	1.99E-04	2.30E-04	1.05E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.76E-08	2.63E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.62E-09	2.04E-09	6.35E-08
2297	495461.06	3859951.99	1.98E-04	2.29E-04	1.05E-04	6.87E-08	2.07E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.62E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.03E-09	6.33E-08
2298	495511.06	3859951.99	1.98E-04	2.28E-04	1.04E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.62E-08	0.00E+00	0.00E+00	2.20E-08	4.69E-09	2.98E-08	4.59E-09	2.03E-09	6.31E-08
2299	495561.06	3859951.99	1.97E-04	2.28E-04	1.04E-04	6.83E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.71E-08	2.61E-08	0.00E+00	0.00E+00	2.20E-08	4.68E-09	2.97E-08	4.58E-09	2.02E-09	6.30E-08
2300	495611.06	3859951.99	1.97E-04	2.27E-04	1.04E-04	6.81E-08	2.05E-07	1.19E-07	1.37E-07	1.25E-07	5.69E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.01E-09	6.27E-08
2301	495661.06	3859951.99	1.96E-04	2.26E-04	1.03E-04	6.78E-08	2.05E-07	1.18E-07	1.37E-07	1.24E-07	5.66E-08	2.59E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.01E-09	6.25E-08
2302	494311.06	3860001.99	2.13E-04	2.47E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.17E-08	2.82E-08	0.00E+00	0.00E+00	2.37E-08	5.06E-09	3.21E-08	4.95E-09	2.18E-09	6.81E-08
2303	494361.06	3860001.99	2.12E-04	2.46E-04	1.12E-04	7.36E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.15E-08	2.81E-08	0.00E+00	0.00E+00	2.37E-08	5.04E-09	3.20E-08	4.94E-09	2.17E-09	6.78E-08

2304	494411.06	3860001.99	2.12E-04	2.45E-04	1.12E-04	7.33E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.12E-08	2.80E-08	0.00E+00	0.00E+00	2.36E-08	5.02E-09	3.19E-08	4.92E-09	2.16E-09	6.75E-08
2305	494461.06	3860001.99	2.11E-04	2.44E-04	1.11E-04	7.30E-08	2.20E-07	1.28E-07	1.47E-07	1.34E-07	6.10E-08	2.79E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.16E-09	6.73E-08
2306	494511.06	3860001.99	2.10E-04	2.43E-04	1.11E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.08E-08	2.78E-08	0.00E+00	0.00E+00	2.34E-08	4.99E-09	3.17E-08	4.88E-09	2.15E-09	6.71E-08
2307	494561.06	3860001.99	2.09E-04	2.42E-04	1.11E-04	7.25E-08	2.19E-07	1.27E-07	1.46E-07	1.33E-07	6.06E-08	2.77E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.14E-09	6.68E-08
2308	494611.06	3860001.99	2.09E-04	2.41E-04	1.10E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.04E-08	2.76E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.85E-09	2.13E-09	6.66E-08
2309	494661.06	3860001.99	2.08E-04	2.40E-04	1.10E-04	7.20E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.75E-08	0.00E+00	0.00E+00	2.31E-08	4.94E-09	3.13E-08	4.83E-09	2.13E-09	6.64E-08
2310	494711.06	3860001.99	2.06E-04	2.39E-04	1.09E-04	7.14E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.73E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.79E-09	2.11E-09	6.59E-08
2311	494761.06	3860001.99	2.06E-04	2.39E-04	1.09E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.73E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.80E-09	2.11E-09	6.59E-08
2312	494811.06	3860001.99	2.06E-04	2.38E-04	1.09E-04	7.12E-08	2.15E-07	1.25E-07	1.44E-07	1.30E-07	5.95E-08	2.72E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.10E-09	6.57E-08
2313	494861.06	3860001.99	2.05E-04	2.37E-04	1.08E-04	7.10E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.87E-09	3.09E-08	4.76E-09	2.10E-09	6.55E-08
2314	494911.06	3860001.99	2.03E-04	2.35E-04	1.07E-04	7.04E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.69E-08	0.00E+00	0.00E+00	2.26E-08	4.83E-09	3.06E-08	4.73E-09	2.08E-09	6.49E-08
2315	494961.06	3860001.99	2.03E-04	2.34E-04	1.07E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.68E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.06E-08	4.71E-09	2.08E-09	6.47E-08
2316	495011.06	3860001.99	2.02E-04	2.33E-04	1.07E-04	6.99E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.67E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.07E-09	6.45E-08
2317	495061.06	3860001.99	2.01E-04	2.33E-04	1.06E-04	6.97E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.66E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.68E-09	2.06E-09	6.43E-08
2318	495111.06	3860001.99	2.01E-04	2.32E-04	1.06E-04	6.95E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.05E-09	6.40E-08
2319	495161.06	3860001.99	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.64E-08	0.00E+00	0.00E+00	2.22E-08	4.74E-09	3.01E-08	4.64E-09	2.05E-09	6.38E-08
2320	495211.06	3860001.99	1.99E-04	2.30E-04	1.05E-04	6.90E-08	2.08E-07	1.21E-07	1.39E-07	1.26E-07	5.76E-08	2.63E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.63E-09	2.04E-09	6.36E-08
2321	495261.06	3860001.99	1.99E-04	2.29E-04	1.05E-04	6.87E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.62E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.03E-09	6.34E-08
2322	495311.06	3860001.99	1.98E-04	2.29E-04	1.05E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.62E-08	0.00E+00	0.00E+00	2.20E-08	4.70E-09	2.98E-08	4.60E-09	2.03E-09	6.32E-08
2323	495361.06	3860001.99	1.97E-04	2.28E-04	1.04E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.68E-09	2.97E-08	4.58E-09	2.02E-09	6.29E-08
2324	495411.06	3860001.99	1.97E-04	2.27E-04	1.04E-04	6.81E-08	2.05E-07	1.19E-07	1.37E-07	1.25E-07	5.69E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.01E-09	6.27E-08
2325	495461.06	3860001.99	1.96E-04	2.26E-04	1.03E-04	6.78E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.59E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.01E-09	6.25E-08
2326	495511.06	3860001.99	1.95E-04	2.26E-04	1.03E-04	6.76E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.65E-08	2.58E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.54E-09	2.00E-09	6.23E-08
2327	495561.06	3860001.99	1.95E-04	2.25E-04	1.03E-04	6.74E-08	2.04E-07	1.18E-07	1.36E-07	1.23E-07	5.63E-08	2.57E-08	0.00E+00	0.00E+00	2.17E-08	4.62E-09	2.93E-08	4.52E-09	1.99E-09	6.22E-08
2328	495611.06	3860001.99	1.94E-04	2.24E-04	1.03E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.61E-08	2.57E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.51E-09	1.99E-09	6.19E-08
2329	495661.06	3860001.99	1.93E-04	2.23E-04	1.02E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.59E-08	2.56E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.98E-09	6.17E-08
2330	494411.06	3860051.99	2.09E-04	2.41E-04	1.10E-04	7.22E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.04E-08	2.75E-08	0.00E+00	0.00E+00	2.32E-08	4.95E-09	3.14E-08	4.85E-09	2.13E-09	6.66E-08
2331	494461.06	3860051.99	2.08E-04	2.40E-04	1.10E-04	7.20E-08	2.17E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.74E-08	0.00E+00	0.00E+00	2.31E-08	4.94E-09	3.13E-08	4.83E-09	2.13E-09	6.63E-08
2332	494511.06	3860051.99	2.07E-04	2.39E-04	1.09E-04	7.17E-08	2.17E-07	1.25E-07	1.45E-07	1.31E-07	5.99E-08	2.73E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.81E-09	2.12E-09	6.61E-08
2333	494561.06	3860051.99	2.06E-04	2.39E-04	1.09E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.73E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.79E-09	2.11E-09	6.59E-08
2334	494611.06	3860051.99	2.06E-04	2.38E-04	1.09E-04	7.12E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.95E-08	2.72E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.10E-09	6.56E-08
2335	494661.06	3860051.99	2.05E-04	2.37E-04	1.08E-04	7.09E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.09E-08	4.76E-09	2.10E-09	6.54E-08
2336	494711.06	3860051.99	2.04E-04	2.36E-04	1.08E-04	7.07E-08	2.13E-07	1.24E-07	1.43E-07	1.29E-07	5.91E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.85E-09	3.08E-08	4.74E-09	2.09E-09	6.52E-08
2337	494761.06	3860051.99	2.04E-04	2.35E-04	1.07E-04	7.04E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.89E-08	2.69E-08	0.00E+00	0.00E+00	2.27E-08	4.83E-09	3.06E-08	4.73E-09	2.08E-09	6.49E-08
2338	494811.06	3860051.99	2.03E-04	2.34E-04	1.07E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.68E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.07E-09	6.47E-08
2339	494861.06	3860051.99	2.02E-04	2.34E-04	1.07E-04	7.00E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.85E-08	2.67E-08	0.00E+00	0.00E+00	2.25E-08	4.80E-09	3.04E-08	4.69E-09	2.07E-09	6.45E-08
2340	494911.06	3860051.99	2.01E-04	2.33E-04	1.06E-04	6.97E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.66E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.68E-09	2.06E-09	6.43E-08
2341	494961.06	3860051.99	2.01E-04	2.32E-04	1.06E-04	6.95E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.81E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.05E-09	6.41E-08
2342	495011.06	3860051.99	2.00E-04	2.31E-04	1.06E-04	6.93E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.64E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.01E-08	4.65E-09	2.05E-09	6.38E-08
2343	495061.06	3860051.99	1.99E-04	2.30E-04	1.05E-04	6.90E-08	2.08E-07	1.21E-07	1.39E-07	1.26E-07	5.77E-08	2.63E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.63E-09	2.04E-09	6.36E-08
2344	495111.06	3860051.99	1.99E-04	2.30E-04	1.05E-04	6.88E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.63E-08	0.00E+00	0.00E+00	2.21E-08	4.72E-09	2.99E-08	4.62E-09	2.03E-09	6.34E-08
2345	495161.06	3860051.99	1.97E-04	2.28E-04	1.04E-04	6.83E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.71E-08	2.61E-08	0.00E+00	0.00E+00	2.20E-08	4.68E-09	2.97E-08	4.58E-09	2.02E-09	6.30E-08
2346	495211.06	3860051.99	1.97E-04	2.27E-04	1.04E-04	6.81E-08	2.05E-07	1.19E-07	1.37E-07	1.25E-07	5.69E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.01E-09	6.27E-08
2347	495261.06	3860051.99	1.96E-04	2.26E-04	1.03E-04	6.78E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.59E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.00E-09	6.25E-08
2348	495311.06	3860051.99	1.95E-04	2.26E-04	1.03E-04	6.76E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.65E-08	2.58E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.94E-08	4.54E-09	2.00E-09	6.24E-08
2349	495361.06	3860051.99	1.95E-04	2.25E-04	1.03E-04	6.74E-08	2.04E-07	1.18E-07	1.36E-07	1.23E-07	5.63E-08	2.57E-08	0.00E+00	0.00E+00	2.17E-08	4.62E-09	2.93E-08	4.52E-09	1.99E-09	6.22E-08
2350	495411.06	3860051.99	1.94E-04	2.24E-04	1.02E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.61E-08	2.56E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.92E-08	4.51E-09	1.99E-09	6.19E-08
2351	495461.06	3860051.99	1.93E-04	2.23E-04	1.02E-04	6.70E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.59E-08	2.56E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.98E-09	6.17E-08
2352	495511.06	3860051.99	1.93E-04	2.23E-04	1.02E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	1.97E-09	6.15E-08
2353	495561.06	3860051.99	1.92E-04	2.22E-04	1.02E-04	6.65E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.56E-08	2.54E-08	0.00E+00	0.00E+00	2.14E-08	4.56E-09	2.89E-08	4.46E-09	1.97E-09	6.13E-08
2354	495611.06	3860051.99	1.92E-04	2.21E-04	1.01E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.54E-08	2.53E-08	0.00E+00	0.00E+00	2.13E-08	4.55E-09	2.88E-08	4.45E-09	1.96E-09	6.11E-08
2355	495661.06	3860051.99	1.91E-04	2.21E-04	1.01E-04	6.61E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.52E-08	2.52E-08	0.00E+00	0.00E+00	2.12E-08	4.53E-09	2.87E-08	4.43E-09	1.95E-09	6.09E-08
2356	494411.06	3860101.99	2.06E-04	2.38E-04	1.08E-04	7.12E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.95E-08	2.71E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.10E-09	6.56E-08
2357	494461.06	3860101.99	2.05E-04	2.37E-04	1.08E-04	7.09E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.70E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.09E-08	4.76E-09	2.09E-09	6.54E-08
2358	494511.06	3860101.99	2.04E-04	2.36E-04	1.08E-04	7.07E-08	2.13E-07	1.24E-07	1.43E-07	1.29E-07	5.91E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.85E-09	3.08E-08	4.74E-09	2.09E-09	6.52E-08
2359	494561.06	3860101.99	2.03E-04	2.35E-04	1.07E-04	7.04E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.89E-08	2.69E-08	0.00E+00	0.00E+00	2.26E-08	4.83E-09	3.06E-08	4.73E-09	2.08E-09	6.49E-08
2360	494611.06	3860101.99	2.03E-04	2.34E-04	1.07E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.86E-08	2.68E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.07E-09	6.47E-08
2361	494661.06	3860101.99	2.02E-04	2.33E-04	1.07E-04	6.99E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.67E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.06E-09	6.45E-08
2362	494711.06	3860101.99	2.01E-04	2.33E-04	1.06E-04	6.97E-08	2.10E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.66E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.68E-09	2.06E-09	6.42E-08
2363	494761.06	3860101.99	2.01E-04	2.32E-04	1.06E-04	6.94E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.05E-09	6.40E-08
2364	494811.06	3860101.99	2.00E-04	2.31E-04	1.05E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.64E-08	0.00E+00	0.00E+00	2.22E-08	4.74E-09	3.01E-08	4.64E-09	2.04E-09	6.38E-08
2365	494861.06	3860101.99	1.99E-04	2.30E-04	1.05E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.76E-08	2.63E-08	0.00E+00	0.00E+00	2.22E-08	4.72E-09	3.00E-08	4.62E-09	2.03E-09	6.35E-08
2366	494911.06	3860101.99	1.99E-04	2.29E-04	1.05E-04	6.87E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.62E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.03E-09	6.34E-08
2367	494961.06	3860101.99	1.98E-04	2.29E-04	1.04E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.61E-08	0.00E+00	0.00E+00	2.20E-08	4.70E-09	2.98E-08	4.60E-09	2.02E-09	6.31E-08
2368	495011.06	3860101.99	1.97E-04	2.28E-04	1.04E-04	6.83E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.60E-08	0.00E+00	0.00E+00	2.20E-08	4.68E-09	2.97E-08	4.58E-09	2.02E-09	6.29E-08
2369	495061.06	3860101.99	1.97E-04	2.27E-04	1.04E-04	6.80E-08	2.05E-07	1.19E-07	1.37E-07	1.25E-07	5.68E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.01E-09	6.27E-08
2370	495111.06	3860101.99	1.96E-04	2.26E-04	1.03E-04	6.78E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.59E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.00E-09	6.25E-08
2371	495161.06	3860101.99	1.95E-04	2.26E-04	1.03E-04	6.76E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.65E-08	2.58E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.53E-09	2.00E-09	6.23E-08
2372	495211.06	3860101.99	1.95E-04	2.25E-04	1.03E-04	6.74E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.63E-08	2.57E-08	0.00E+00	0.00E+00	2.17E-08	4.62E-09	2.93E-08	4.52E-09	1.99E-09	6.21E-08
2373	495261.06	3860101.99	1.94E-04	2.24E-04	1.02E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.61E-08	2.56E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.51E-09	1.98E-09	6.19E-08
2374	495311.06	3860101.99	1.93E-04	2.23E-04	1.02E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.59E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.98E-09	6.17E-08
2375	495361.06	3860101.99	1.93E-04	2.23E-04	1.02E-04	6.67E-08	2.01E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	1.97E-09	6.15E-08
2376	495411.06	3860101.99	1.92E-04	2.22E-04	1.01E-04	6.65E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.56E-08	2.54E-08	0.00E+00	0.00E+00	2.14E-08	4.56E-09	2.89E-08	4.46E-09	1.97E-09	6.13E-08
2377	495461.06	3860101.99	1.91E-04	2.21E-04	1.01E-04	6.61E-08	2.00E-07	1.15E-07	1.33E-07	1.21E-07	5.52E-08	2.52E-08	0.00E+00	0.00E+00	2.12E-08	4.53E-09	2.87E-08	4.43E-09	1.95E-09	6.09E-08
2378	495511.06	3860101.99	1.90E-04	2.20E-04	1.00E-04	6.59E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.50E-08	2.51E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.42E-09	1.95E-09	6.07E-08
2379	495561.06	3860101.99	1.90E-04	2.19E-04	1.00E-04	6.57E-08	1.98E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.51E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.86E-08	4.41E-09	1.94E-09	6.06E-08
2380	495611.06	3860101.99	1.89E-04	2.18E-04	9.98E-05	6.54E-08	1.98E-07	1.14E-07	1.32E-07	1.20E-07	5.47E-08	2.50E-08	0.00E+00	0.00E+00	2.10E-08	4.49E-09	2.85E-08	4.39E-09	1.93E-09	6.03E-08
2381	495661.06	3860101.99	1.88E-04	2.18E-04	9.95E-05	6.52E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.45E-08	2.49E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.84E-08	4.38E-09	1.93E-09	6.01E-08
2382	494861.06	3860151.99	1.96E-04	2.26E-04	1.03E-04	6.78E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.59E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.00E-09	6.25E-08
2383	494911.06	3860151.99	1.96E-04	2.26E-04	1.03E-04	6.77E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.66E-08	2.58E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.95E-08	4.54E-09	2.00E-09	6.24E-08
2384	494961.06	3860151.99	1.95E-04	2.25E-04	1.03E-04	6.75E-08	2.04E-07	1.18E-07	1.36E-07	1.24E-07	5.64E-08	2.57E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.53E-09	1.99E-09	6.22E-08
2385	495011.06	3860151.99	1.94E-04	2.25E-04	1.03E-04	6.73E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.62E-08	2.57E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.93E-08	4.51E-09	1.99E-09	6.20E-08
2386	495061.06	3860151.99	1.94E-04	2.24E-04	1.02E-04	6.71E-08	2.03E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.56E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.50E-09	1.98E-09	6.18E-08
2387	495111.06	3860151.99	1.93E-04	2.23E-04	1.02E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.59E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.91E-08	4.48E-09	1.97E-09	6.16E-08
2388	495161.06	3860151.99	1.92E-04	2.22E-04	1.02E-04	6.66E-08	2.01E-07	1.16E-07	1.35E-07	1.22E-07	5.57E-08	2.54E-08	0.00E+00	0.00E+00	2.14E-08	4.57E-09	2.90E-08	4.47E-09	1.97E-09	6.14E-08
2389	495211.06	3860151.99	1.92E-04	2.22E-04	1.01E-04	6.64E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.55E-08	2.53E-08	0.00E+00	0.00E+00	2.14E-08	4.55E-09	2.89E-08	4.46E-09	1.96E-09	6.12E-08
2390	495261.06	3860151.99	1.91E-04	2.21E-04	1.01E-04	6.62E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.52E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.44E-09	1.96E-09	6.10E-08
2391	495311.06	3860151.99	1.91E-04	2.20E-04	1.01E-04	6.60E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.52E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.43E-09	1.95E-09	6.08E-08
2392	495361.06	3860151.99	1.90E-04	2.20E-04	1.00E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.50E-08	2.51E-08	0.00E+00	0.00E+00	2.12E-08	4.51E-09	2.86E-08	4.41E-09	1.94E-09	6.06E-08
2393	495411.06	3860151.99	1.89E-04	2.19E-04	9.99E-05	6.56E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.48E-08	2.50E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.85E-08	4.40E-09	1.94E-09	6.05E-08
2394	495461.06	3860151.99	1.89E-04	2.18E-04	9.96E-05	6.54E-08	1.97E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.49E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.39E-09	1.93E-09	6.03E-08
2395	495511.06	3860151.99	1.88E-04	2.18E-04	9.93E-05	6.52E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.45E-08	2.49E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.84E-08	4.37E-09	1.93E-09	6.01E-08
2396	495561.06	3860151.99	1.88E-04	2.17E-04	9.90E-05	6.50E-08	1.96E-07	1.14E-07	1.31E-07	1.19E-07	5.43E-08	2.48E-08	0.00E+00	0.00E+00	2.09E-08	4.46E-09	2.83E-08	4.36E-09	1.92E-09	5.99E-08
2397	495611.06	3860151.99	1.87E-04	2.16E-04	9.88E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.41E-08	2.47E-08	0.00E+00	0.00E+00	2.08E-08	4.44E-09	2.82E-08	4.35E-09	1.91E-09	5.97E-08
2398	495661.06	3860151.99	1.87E-04	2.16E-04	9.85E-05	6.46E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.40E-08	2.46E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.33E-09	1.91E-09	5.95E-08
2399	495718.25	3859442.96	2.08E-04	2.40E-04	1.10E-04	7.18E-08	2.17E-07	1.26E-07	1.45E-07	1.31E-07	6.00E-08	2.75E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.82E-09	2.13E-09	6.62E-08
2400	495818.25	3859442.96	2.05E-04	2.36E-04	1.08E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.91E-08	2.71E-08	0.00E+00	0.00E+00	2.28E-08	4.85E-09	3.08E-08	4.75E-09	2.10E-09	6.53E-08
2401	495918.25	3859442.96	2.02E-04	2.34E-04	1.07E-04	7.01E-08	2.12E-07	1.23E-07	1.41E-07	1.28E-07	5.85E-08	2.69E-08	0.00E+00	0.00E+00	2.25E-08	4.80E-09	3.05E-08	4.70E-09	2.08E-09	6.46E-08
2402	496018.25	3859442.96	2.01E-04	2.32E-04	1.06E-04	6.95E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.06E-09	6.40E-08
2403	496118.25	3859442.96	2.02E-04	2.33E-04	1.07E-04	6.99E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.68E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.07E-09	6.44E-08
2404	496218.25	3859442.96	2.03E-04	2.34E-04	1.07E-04	7.01E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.85E-08	2.69E-08	0.00E+00	0.00E+00	2.25E-08	4.80E-09	3.05E-08	4.70E-09	2.08E-09	6.46E-08
2405	496318.25	3859442.96	2.01E-04	2.32E-04	1.07E-04	6.96E-08	2.10E-07	1.22E-07	1.41E-07	1.27E-07	5.81E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.07E-09	6.42E-08
2406	496418.25	3859442.96	2.00E-04	2.31E-04	1.06E-04	6.91E-08	2.09E-07	1.21E-07	1.39E-07	1.26E-07	5.77E-08	2.65E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.63E-09	2.05E-09	6.37E-08
2407	495718.25	3859542.96	2.08E-04	2.40E-04	1.10E-04	7.18E-08	2.17E-07	1.26E-07	1.45E-07	1.31E-07	6.00E-08	2.75E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.82E-09	2.13E-09	6.62E-08
2408	495818.25	3859542.96	2.05E-04	2.37E-04	1.09E-04	7.11E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.94E-08	2.72E-08	0.00E+00	0.00E+00	2.29E-08	4.87E-09	3.09E-08	4.77E-09	2.11E-09	6.55E-08

2409	495918.25	3859542.96	2.03E-04	2.34E-04	1.08E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.86E-08	2.69E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.08E-09	6.47E-08
2410	496018.25	3859542.96	2.01E-04	2.32E-04	1.06E-04	6.95E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.06E-09	6.40E-08
2411	496118.25	3859542.96	2.01E-04	2.32E-04	1.07E-04	6.97E-08	2.10E-07	1.22E-07	1.41E-07	1.27E-07	5.82E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.07E-09	6.42E-08
2412	496218.25	3859542.96	2.01E-04	2.32E-04	1.07E-04	6.96E-08	2.10E-07	1.22E-07	1.40E-07	1.27E-07	5.81E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.06E-09	6.41E-08
2413	496318.25	3859542.96	2.00E-04	2.31E-04	1.06E-04	6.94E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.66E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.02E-08	4.65E-09	2.06E-09	6.39E-08
2414	496418.25	3859542.96	1.98E-04	2.29E-04	1.05E-04	6.87E-08	2.07E-07	1.20E-07	1.39E-07	1.26E-07	5.73E-08	2.63E-08	0.00E+00	0.00E+00	2.21E-08	4.70E-09	2.99E-08	4.60E-09	2.04E-09	6.33E-08
2415	495718.25	3859642.96	2.06E-04	2.38E-04	1.09E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.30E-07	5.95E-08	2.73E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.11E-09	6.57E-08
2416	495818.25	3859642.96	2.04E-04	2.35E-04	1.08E-04	7.05E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.89E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.83E-09	3.06E-08	4.73E-09	2.09E-09	6.50E-08
2417	495918.25	3859642.96	2.02E-04	2.33E-04	1.07E-04	6.99E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.68E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.07E-09	6.44E-08
2418	496018.25	3859642.96	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.74E-09	3.01E-08	4.64E-09	2.05E-09	6.38E-08
2419	496118.25	3859642.96	2.00E-04	2.31E-04	1.06E-04	6.93E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.02E-08	4.65E-09	2.06E-09	6.39E-08
2420	496218.25	3859642.96	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.74E-09	3.01E-08	4.64E-09	2.05E-09	6.38E-08
2421	496318.25	3859642.96	1.98E-04	2.29E-04	1.05E-04	6.87E-08	2.07E-07	1.20E-07	1.39E-07	1.26E-07	5.73E-08	2.63E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.60E-09	2.04E-09	6.33E-08
2422	496418.25	3859642.96	1.93E-04	2.23E-04	1.02E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.56E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.91E-08	4.48E-09	1.98E-09	6.16E-08
2423	495718.25	3859742.96	2.04E-04	2.36E-04	1.08E-04	7.06E-08	2.13E-07	1.23E-07	1.43E-07	1.29E-07	5.90E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.73E-09	2.09E-09	6.51E-08
2424	495818.25	3859742.96	2.02E-04	2.33E-04	1.07E-04	6.98E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.67E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.68E-09	2.07E-09	6.44E-08
2425	495918.25	3859742.96	2.00E-04	2.31E-04	1.06E-04	6.92E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.78E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.74E-09	3.01E-08	4.64E-09	2.05E-09	6.38E-08
2426	496018.25	3859742.96	1.98E-04	2.29E-04	1.05E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.62E-08	0.00E+00	0.00E+00	2.20E-08	4.70E-09	2.98E-08	4.60E-09	2.03E-09	6.32E-08
2427	496118.25	3859742.96	1.98E-04	2.28E-04	1.05E-04	6.84E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.62E-08	0.00E+00	0.00E+00	2.20E-08	4.69E-09	2.98E-08	4.59E-09	2.03E-09	6.31E-08
2428	496218.25	3859742.96	1.98E-04	2.28E-04	1.05E-04	6.84E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.62E-08	0.00E+00	0.00E+00	2.20E-08	4.69E-09	2.98E-08	4.59E-09	2.03E-09	6.31E-08
2429	496318.25	3859742.96	1.94E-04	2.24E-04	1.03E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.61E-08	2.57E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.50E-09	1.99E-09	6.19E-08
2430	496418.25	3859742.96	1.91E-04	2.20E-04	1.01E-04	6.60E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.53E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.42E-09	1.96E-09	6.08E-08
2431	495718.25	3859842.96	2.00E-04	2.31E-04	1.06E-04	6.93E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.79E-08	2.65E-08	0.00E+00	0.00E+00	2.23E-08	4.75E-09	3.01E-08	4.65E-09	2.05E-09	6.39E-08
2432	495818.25	3859842.96	1.99E-04	2.30E-04	1.05E-04	6.88E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.63E-08	0.00E+00	0.00E+00	2.21E-08	4.72E-09	2.99E-08	4.61E-09	2.04E-09	6.34E-08
2433	495918.25	3859842.96	1.97E-04	2.28E-04	1.04E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.61E-08	0.00E+00	0.00E+00	2.19E-08	4.68E-09	2.97E-08	4.58E-09	2.02E-09	6.29E-08
2434	496018.25	3859842.96	1.96E-04	2.26E-04	1.04E-04	6.78E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.66E-08	2.59E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.01E-09	6.25E-08
2435	496118.25	3859842.96	1.96E-04	2.26E-04	1.04E-04	6.78E-08	2.05E-07	1.18E-07	1.37E-07	1.24E-07	5.66E-08	2.59E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.95E-08	4.55E-09	2.01E-09	6.25E-08
2436	496218.25	3859842.96	1.93E-04	2.23E-04	1.02E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	1.98E-09	6.16E-08
2437	496318.25	3859842.96	1.87E-04	2.16E-04	9.90E-05	6.47E-08	1.95E-07	1.13E-07	1.31E-07	1.18E-07	5.41E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.44E-09	2.82E-08	4.34E-09	1.92E-09	5.97E-08
2438	496418.25	3859842.96	1.82E-04	2.10E-04	9.65E-05	6.31E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.27E-08	2.41E-08	0.00E+00	0.00E+00	2.03E-08	4.32E-09	2.74E-08	4.23E-09	1.87E-09	5.81E-08
2439	495718.25	3859942.96	1.96E-04	2.26E-04	1.03E-04	6.77E-08	2.04E-07	1.18E-07	1.37E-07	1.24E-07	5.66E-08	2.59E-08	0.00E+00	0.00E+00	2.18E-08	4.64E-09	2.95E-08	4.54E-09	2.00E-09	6.24E-08
2440	495818.25	3859942.96	1.94E-04	2.24E-04	1.03E-04	6.72E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.62E-08	2.57E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.92E-08	4.51E-09	1.99E-09	6.20E-08
2441	495918.25	3859942.96	1.93E-04	2.23E-04	1.02E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.91E-08	4.48E-09	1.98E-09	6.16E-08
2442	496018.25	3859942.96	1.92E-04	2.22E-04	1.02E-04	6.66E-08	2.01E-07	1.16E-07	1.34E-07	1.22E-07	5.56E-08	2.54E-08	0.00E+00	0.00E+00	2.14E-08	4.56E-09	2.90E-08	4.47E-09	1.97E-09	6.14E-08
2443	496118.25	3859942.96	1.91E-04	2.20E-04	1.01E-04	6.60E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.52E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.42E-09	1.95E-09	6.08E-08
2444	496218.25	3859942.96	1.88E-04	2.17E-04	9.92E-05	6.49E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.42E-08	2.48E-08	0.00E+00	0.00E+00	2.09E-08	4.45E-09	2.82E-08	4.35E-09	1.92E-09	5.98E-08
2445	496318.25	3859942.96	1.84E-04	2.12E-04	9.73E-05	6.36E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.31E-08	2.43E-08	0.00E+00	0.00E+00	2.05E-08	4.36E-09	2.77E-08	4.27E-09	1.89E-09	5.86E-08
2446	496418.25	3859942.96	1.78E-04	2.05E-04	9.42E-05	6.15E-08	1.86E-07	1.08E-07	1.24E-07	1.13E-07	5.14E-08	2.36E-08	0.00E+00	0.00E+00	1.98E-08	4.22E-09	2.68E-08	4.13E-09	1.82E-09	5.67E-08
2447	496856.82	3858864.83	1.84E-04	2.13E-04	9.78E-05	6.37E-08	1.92E-07	1.11E-07	1.29E-07	1.17E-07	5.32E-08	2.45E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.27E-09	1.90E-09	5.87E-08
2448	496956.82	3858864.83	1.82E-04	2.10E-04	9.66E-05	6.29E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.25E-08	2.42E-08	0.00E+00	0.00E+00	2.02E-08	4.31E-09	2.74E-08	4.22E-09	1.87E-09	5.80E-08
2449	497056.82	3858864.83	1.80E-04	2.07E-04	9.54E-05	6.22E-08	1.88E-07	1.09E-07	1.25E-07	1.14E-07	5.19E-08	2.39E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.70E-08	4.17E-09	1.85E-09	5.73E-08
2450	497156.82	3858864.83	1.77E-04	2.04E-04	9.38E-05	6.12E-08	1.85E-07	1.07E-07	1.23E-07	1.12E-07	5.10E-08	2.35E-08	0.00E+00	0.00E+00	1.97E-08	4.19E-09	2.66E-08	4.10E-09	1.82E-09	5.63E-08
2451	497256.82	3858864.83	1.76E-04	2.03E-04	9.36E-05	6.10E-08	1.84E-07	1.07E-07	1.23E-07	1.12E-07	5.09E-08	2.34E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.81E-09	5.62E-08
2452	496856.82	3858964.83	1.87E-04	2.16E-04	9.93E-05	6.47E-08	1.95E-07	1.13E-07	1.31E-07	1.18E-07	5.40E-08	2.49E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.34E-09	1.92E-09	5.97E-08
2453	496956.82	3858964.83	1.83E-04	2.12E-04	9.75E-05	6.35E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.44E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.26E-09	1.89E-09	5.85E-08
2454	497056.82	3858964.83	1.81E-04	2.09E-04	9.61E-05	6.26E-08	1.89E-07	1.09E-07	1.26E-07	1.15E-07	5.23E-08	2.41E-08	0.00E+00	0.00E+00	2.01E-08	4.29E-09	2.72E-08	4.20E-09	1.86E-09	5.77E-08
2455	497156.82	3858964.83	1.78E-04	2.06E-04	9.47E-05	6.17E-08	1.86E-07	1.08E-07	1.25E-07	1.13E-07	5.15E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.23E-09	2.68E-08	4.14E-09	1.84E-09	5.69E-08
2456	497256.82	3858964.83	1.80E-04	2.08E-04	9.57E-05	6.24E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.40E-08	0.00E+00	0.00E+00	2.01E-08	4.28E-09	2.71E-08	4.18E-09	1.86E-09	5.75E-08
2457	496856.82	3859064.83	1.87E-04	2.16E-04	9.93E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.18E-07	5.41E-08	2.49E-08	0.00E+00	0.00E+00	2.08E-08	4.44E-09	2.81E-08	4.34E-09	1.92E-09	5.97E-08
2458	496956.82	3859064.83	1.84E-04	2.13E-04	9.79E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.45E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.28E-09	1.90E-09	5.88E-08
2459	497056.82	3859064.83	1.82E-04	2.10E-04	9.68E-05	6.31E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.27E-08	2.42E-08	0.00E+00	0.00E+00	2.03E-08	4.32E-09	2.74E-08	4.23E-09	1.88E-09	5.81E-08
2460	497156.82	3859064.83	1.80E-04	2.08E-04	9.58E-05	6.25E-08	1.89E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.40E-08	0.00E+00	0.00E+00	2.01E-08	4.28E-09	2.72E-08	4.19E-09	1.86E-09	5.76E-08
2461	497256.82	3859064.83	1.84E-04	2.12E-04	9.76E-05	6.37E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.31E-08	2.44E-08	0.00E+00	0.00E+00	2.05E-08	4.36E-09	2.77E-08	4.27E-09	1.89E-09	5.87E-08
2462	496856.82	3859164.83	1.85E-04	2.14E-04	9.82E-05	6.40E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.46E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.90E-09	5.90E-08
2463	496956.82	3859164.83	1.82E-04	2.10E-04	9.67E-05	6.30E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.26E-08	2.42E-08	0.00E+00	0.00E+00	2.03E-08	4.32E-09	2.74E-08	4.23E-09	1.87E-09	5.81E-08
2464	497056.82	3859164.83	1.81E-04	2.09E-04	9.62E-05	6.28E-08	1.89E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.41E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.86E-09	5.78E-08
2465	497156.82	3859164.83	1.83E-04	2.11E-04	9.70E-05	6.32E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.28E-08	2.43E-08	0.00E+00	0.00E+00	2.03E-08	4.33E-09	2.75E-08	4.24E-09	1.88E-09	5.83E-08
2466	497256.82	3859164.83	1.87E-04	2.16E-04	9.91E-05	6.46E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.40E-08	2.48E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.33E-09	1.92E-09	5.96E-08
2467	496856.82	3859264.83	1.81E-04	2.10E-04	9.63E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.41E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.87E-09	5.79E-08
2468	496956.82	3859264.83	1.81E-04	2.10E-04	9.63E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.41E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.87E-09	5.79E-08
2469	497056.82	3859264.83	1.83E-04	2.11E-04	9.72E-05	6.34E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.76E-08	4.25E-09	1.88E-09	5.84E-08
2470	497156.82	3859264.83	1.84E-04	2.13E-04	9.78E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.45E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.28E-09	1.90E-09	5.88E-08
2471	497256.82	3859264.83	1.87E-04	2.16E-04	9.94E-05	6.49E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.41E-08	2.49E-08	0.00E+00	0.00E+00	2.09E-08	4.44E-09	2.82E-08	4.35E-09	1.93E-09	5.98E-08
2472	497088.92	3858620.93	1.72E-04	1.98E-04	9.13E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.96E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.98E-09	1.77E-09	5.48E-08
2473	497138.92	3858620.93	1.72E-04	1.98E-04	9.12E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.96E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.98E-09	1.77E-09	5.47E-08
2474	497188.92	3858620.93	1.70E-04	1.96E-04	9.02E-05	5.88E-08	1.77E-07	1.03E-07	1.19E-07	1.07E-07	4.90E-08	2.26E-08	0.00E+00	0.00E+00	1.89E-08	4.02E-09	2.55E-08	3.94E-09	1.75E-09	5.41E-08
2475	497238.92	3858620.93	1.69E-04	1.95E-04	8.99E-05	5.85E-08	1.77E-07	1.02E-07	1.18E-07	1.07E-07	4.88E-08	2.25E-08	0.00E+00	0.00E+00	1.88E-08	4.01E-09	2.54E-08	3.92E-09	1.74E-09	5.39E-08
2476	497088.92	3858670.93	1.71E-04	1.97E-04	9.07E-05	5.90E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.93E-08	2.27E-08	0.00E+00	0.00E+00	1.90E-08	4.04E-09	2.57E-08	3.96E-09	1.76E-09	5.44E-08
2477	497138.92	3858670.93	1.71E-04	1.98E-04	9.11E-05	5.93E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.95E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.06E-09	2.58E-08	3.98E-09	1.77E-09	5.47E-08
2478	497188.92	3858670.93	1.70E-04	1.96E-04	9.04E-05	5.89E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.91E-08	2.26E-08	0.00E+00	0.00E+00	1.89E-08	4.03E-09	2.56E-08	3.95E-09	1.75E-09	5.43E-08
2479	497238.92	3858670.93	1.70E-04	1.96E-04	9.04E-05	5.88E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.91E-08	2.26E-08	0.00E+00	0.00E+00	1.89E-08	4.03E-09	2.56E-08	3.94E-09	1.75E-09	5.42E-08
2480	497088.92	3858720.93	1.74E-04	2.01E-04	9.25E-05	6.02E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.03E-08	2.31E-08	0.00E+00	0.00E+00	1.94E-08	4.13E-09	2.62E-08	4.04E-09	1.79E-09	5.55E-08
2481	497138.92	3858720.93	1.70E-04	1.96E-04	9.02E-05	5.87E-08	1.77E-07	1.03E-07	1.19E-07	1.07E-07	4.90E-08	2.26E-08	0.00E+00	0.00E+00	1.89E-08	4.02E-09	2.55E-08	3.94E-09	1.75E-09	5.41E-08
2482	497188.92	3858720.93	1.69E-04	1.95E-04	8.98E-05	5.85E-08	1.77E-07	1.02E-07	1.18E-07	1.07E-07	4.88E-08	2.25E-08	0.00E+00	0.00E+00	1.88E-08	4.01E-09	2.54E-08	3.92E-09	1.74E-09	5.39E-08
2483	497238.92	3858720.93	1.72E-04	1.98E-04	9.12E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.96E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.98E-09	1.77E-09	5.48E-08
2484	497088.92	3858770.93	1.74E-04	2.01E-04	9.26E-05	6.04E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.04E-08	2.32E-08	0.00E+00	0.00E+00	1.94E-08	4.13E-09	2.62E-08	4.04E-09	1.80E-09	5.56E-08
2485	497138.92	3858770.93	1.73E-04	1.99E-04	9.18E-05	5.98E-08	1.81E-07	1.05E-07	1.21E-07	1.09E-07	4.99E-08	2.30E-08	0.00E+00	0.00E+00	1.92E-08	4.10E-09	2.60E-08	4.01E-09	1.78E-09	5.51E-08
2486	497188.92	3858770.93	1.72E-04	1.99E-04	9.16E-05	5.97E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.29E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.59E-08	4.00E-09	1.77E-09	5.50E-08
2487	497238.92	3858770.93	1.73E-04	2.00E-04	9.19E-05	5.99E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.00E-08	2.30E-08	0.00E+00	0.00E+00	1.93E-08	4.10E-09	2.60E-08	4.01E-09	1.78E-09	5.52E-08
2488	497396.65	3858622.63	1.77E-04	2.04E-04	9.39E-05	6.12E-08	1.85E-07	1.07E-07	1.23E-07	1.12E-07	5.10E-08	2.35E-08	0.00E+00	0.00E+00	1.97E-08	4.19E-09	2.66E-08	4.10E-09	1.82E-09	5.63E-08
2489	497496.65	3858622.63	1.81E-04	2.09E-04	9.59E-05	6.25E-08	1.89E-07	1.09E-07	1.26E-07	1.14E-07	5.22E-08	2.40E-08	0.00E+00	0.00E+00	2.01E-08	4.28E-09	2.72E-08	4.19E-09	1.86E-09	5.76E-08
2490	497596.65	3858622.63	1.88E-04	2.17E-04	1.00E-04	6.52E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.44E-08	2.50E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.83E-08	4.37E-09	1.94E-09	6.01E-08
2491	497696.65	3858622.63	1.90E-04	2.19E-04	1.01E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.49E-08	2.52E-08	0.00E+00	0.00E+00	2.11E-08	4.51E-09	2.86E-08	4.41E-09	1.95E-09	6.06E-08
2492	497796.65	3858622.63	1.94E-04	2.24E-04	1.03E-04	6.72E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.61E-08	2.58E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.92E-08	4.51E-09	2.00E-09	6.20E-08
2493	497896.65	3858622.63	1.98E-04	2.29E-04	1.05E-04	6.87E-08	2.07E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.63E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.04E-09	6.33E-08
2494	497396.65	3858722.63	1.80E-04	2.08E-04	9.57E-05	6.24E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.21E-08	2.39E-08	0.00E+00	0.00E+00	2.01E-08	4.27E-09	2.71E-08	4.18E-09	1.85E-09	5.75E-08
2495	497496.65	3858722.63	1.84E-04	2.13E-04	9.78E-05	6.38E-08	1.93E-07	1.11E-07	1.29E-07	1.17E-07	5.32E-08	2.45E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.27E-09	1.90E-09	5.88E-08
2496	497596.65	3858722.63	1.91E-04	2.20E-04	1.01E-04	6.61E-08	2.00E-07	1.15E-07	1.33E-07	1.21E-07	5.52E-08	2.54E-08	0.00E+00	0.00E+00	2.12E-08	4.53E-09	2.87E-08	4.43E-09	1.96E-09	6.09E-08
2497	497696.65	3858722.63	1.95E-04	2.25E-04	1.03E-04	6.73E-08	2.03E-07	1.18E-07	1.36E-07	1.23E-07	5.62E-08	2.58E-08	0.00E+00	0.00E+00	2.17E-08	4.61E-09	2.93E-08	4.51E-09	2.00E-09	6.21E-08
2498	497796.65	3858722.63	1.96E-04	2.27E-04	1.04E-04	6.80E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.61E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.95E-08	4.56E-09	2.02E-09	6.26E-08
2499	497896.65	3858722.63	1.99E-04	2.30E-04	1.06E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.64E-08	0.00E+00	0.00E+00	2.22E-08	4.72E-09	3.00E-08	4.62E-09	2.05E-09	6.35E-08
2500	497396.65	3858822.63	1.82E-04	2.10E-04	9.64E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.41E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.87E-09	5.79E-08
2501	497496.65	3858822.63	1.85E-04	2.13E-04	9.81E-05	6.40E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.34E-08	2.46E-08	0.00E+00	0.00E+00	2.06E-08	4.38E-09	2.78E-08	4.29E-09	1.90E-09	5.90E-08
2502	497596.65	3858822.63	1.93E-04	2.23E-04	1.02E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.56E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.91E-08	4.48E-09	1.99E-09	6.16E-08
2503	497696.65	3858822.63	1.95E-04	2.25E-04	1.03E-04	6.75E-08	2.04E-07	1.18E-07	1.36E-07	1.23E-07	5.64E-08	2.59E-08	0.00E+00	0.00E+00	2.17E-08	4.62E-09	2.93E-08	4.52E-09	2.00E-09	6.22E-08
2504	497796.65	3858822.63	1.97E-04	2.28E-04	1.05E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.68E-09	2.97E-08	4.58E-09	2.03E-09	6.29E-08
2505	497896.65	3858822.63	2.01E-04	2.33E-04	1.07E-04	6.97E-08	2.10E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.67E-09	2.07E-09	6.42E-08
2506	497396.65	3858922.63	1.83E-04	2.11E-04	9.71E-05	6.33E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.75E-08	4.24E-09	1.88E-09	5.84E-08
2507	497496.65	3858922.63	1.89E-04	2.19E-04	1.00E-04	6.55E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.47E-08	2.51E-08	0.00E+00	0.00E+00	2.11E-08	4.49E-09	2.85E-08	4.39E-09	1.95E-09	6.04E-08
2508	497596.65	3858922.63	1.89E-04	2.19E-04	1.00E-04	6.55E-08	1.98E-07	1.15E-07	1.32E-07	1.20E-07	5.47E-08	2.51E-08	0.00E+00	0.00E+00	2.11E-08	4.49E-09	2.85E-08	4.39E-09	1.95E-09	6.04E-08
2509	497696.65	3858922.63	1.97E-04	2.27E-04	1.04E-04	6.81E-08	2.06E-07	1.19E-07	1.37E-07	1.25E-07	5.69E-08	2.61E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.02E-09	6.28E-08
2510	497796.65	3858922.63	2.00E-04	2.30E-04	1.06E-04	6.91E-08	2.09E-07	1.21E-07	1.39E-07	1.26E-07	5.77E-08	2.65E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.63E-09	2.05E-09	6.37E-08
2511	497896.65	3858922.63	2.05E-04	2.37E-04	1.09E-04	7.10E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.72E-08	0.00E+00	0.00E+00	2.28E-08	4.87E-09	3.09E-08	4.76E-09	2.11E-09	6.54E-08
2512	497364.44	3858201.52	1.69E-04	1.95E-04	9.01E-05	5.86E-08	1.77E-07	1.02E-07	1.18E-07	1.07E-07	4.89E-08	2.26E-08	0.00E+00	0.00E+00	1.88E-08	4.01E-09	2.54E-08	3.92E-09	1.75E-09	5.40E-08
2513	497414.44	3858201.52	1.72E-04	1.98E-04	9.16E-05	5.95E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.29E-08	0.00E+00	0.00E+00	1.91E-08	4.08E-09	2.59E-08	3.99E-09	1.77E-09	5.48E-08

2514	497464.44	3858201.52	1.74E-04	2.00E-04	9.24E-05	6.01E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.01E-08	2.31E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.03E-09	1.79E-09	5.54E-08
2515	497514.44	3858201.52	1.74E-04	2.00E-04	9.24E-05	6.01E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.01E-08	2.31E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.03E-09	1.79E-09	5.53E-08
2516	497564.44	3858201.52	1.73E-04	1.99E-04	9.20E-05	5.98E-08	1.81E-07	1.05E-07	1.21E-07	1.09E-07	4.99E-08	2.30E-08	0.00E+00	0.00E+00	1.92E-08	4.10E-09	2.60E-08	4.01E-09	1.78E-09	5.51E-08
2517	497614.44	3858201.52	1.73E-04	2.00E-04	9.22E-05	6.00E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.00E-08	2.31E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.79E-09	5.53E-08
2518	497364.44	3858251.52	1.72E-04	1.99E-04	9.17E-05	5.96E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.29E-08	0.00E+00	0.00E+00	1.92E-08	4.08E-09	2.59E-08	3.99E-09	1.78E-09	5.49E-08
2519	497414.44	3858251.52	1.75E-04	2.02E-04	9.30E-05	6.05E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.05E-08	2.33E-08	0.00E+00	0.00E+00	1.94E-08	4.14E-09	2.63E-08	4.05E-09	1.80E-09	5.57E-08
2520	497464.44	3858251.52	1.73E-04	2.00E-04	9.23E-05	6.00E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.01E-08	2.31E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.79E-09	5.53E-08
2521	497514.44	3858251.52	1.72E-04	1.98E-04	9.13E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.95E-08	2.29E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.98E-09	1.77E-09	5.47E-08
2522	497564.44	3858251.52	1.71E-04	1.97E-04	9.10E-05	5.92E-08	1.79E-07	1.03E-07	1.19E-07	1.08E-07	4.94E-08	2.28E-08	0.00E+00	0.00E+00	1.90E-08	4.05E-09	2.57E-08	3.97E-09	1.76E-09	5.45E-08
2523	497614.44	3858251.52	1.71E-04	1.97E-04	9.08E-05	5.90E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.93E-08	2.27E-08	0.00E+00	0.00E+00	1.90E-08	4.04E-09	2.56E-08	3.96E-09	1.76E-09	5.44E-08
2524	497364.44	3858301.52	1.73E-04	1.99E-04	9.19E-05	5.98E-08	1.81E-07	1.05E-07	1.21E-07	1.09E-07	4.99E-08	2.30E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.60E-08	4.01E-09	1.78E-09	5.51E-08
2525	497414.44	3858301.52	1.74E-04	2.01E-04	9.27E-05	6.03E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.03E-08	2.32E-08	0.00E+00	0.00E+00	1.94E-08	4.13E-09	2.62E-08	4.04E-09	1.80E-09	5.56E-08
2526	497464.44	3858301.52	1.72E-04	1.99E-04	9.17E-05	5.97E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.30E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.59E-08	4.00E-09	1.78E-09	5.50E-08
2527	497514.44	3858301.52	1.71E-04	1.98E-04	9.11E-05	5.92E-08	1.79E-07	1.04E-07	1.20E-07	1.08E-07	4.94E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.06E-09	2.57E-08	3.97E-09	1.77E-09	5.46E-08
2528	497564.44	3858301.52	1.69E-04	1.95E-04	9.01E-05	5.86E-08	1.77E-07	1.02E-07	1.18E-07	1.07E-07	4.89E-08	2.25E-08	0.00E+00	0.00E+00	1.88E-08	4.01E-09	2.55E-08	3.93E-09	1.75E-09	5.40E-08
2529	497614.44	3858301.52	1.69E-04	1.95E-04	8.98E-05	5.84E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.87E-08	2.25E-08	0.00E+00	0.00E+00	1.88E-08	4.00E-09	2.54E-08	3.91E-09	1.74E-09	5.38E-08
2530	497364.44	3858351.52	1.73E-04	2.00E-04	9.23E-05	6.01E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.01E-08	2.31E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.79E-09	5.53E-08
2531	497414.44	3858351.52	1.72E-04	1.99E-04	9.17E-05	5.97E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.30E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.59E-08	4.00E-09	1.78E-09	5.50E-08
2532	497464.44	3858351.52	1.72E-04	1.98E-04	9.15E-05	5.95E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.29E-08	0.00E+00	0.00E+00	1.91E-08	4.08E-09	2.59E-08	3.99E-09	1.77E-09	5.48E-08
2533	497514.44	3858351.52	1.71E-04	1.97E-04	9.10E-05	5.92E-08	1.79E-07	1.03E-07	1.19E-07	1.08E-07	4.94E-08	2.28E-08	0.00E+00	0.00E+00	1.90E-08	4.05E-09	2.57E-08	3.97E-09	1.76E-09	5.45E-08
2534	497564.44	3858351.52	1.69E-04	1.95E-04	8.98E-05	5.84E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.87E-08	2.25E-08	0.00E+00	0.00E+00	1.88E-08	4.00E-09	2.54E-08	3.91E-09	1.74E-09	5.38E-08
2535	497614.44	3858351.52	1.68E-04	1.94E-04	8.95E-05	5.82E-08	1.76E-07	1.02E-07	1.17E-07	1.06E-07	4.86E-08	2.24E-08	0.00E+00	0.00E+00	1.87E-08	3.99E-09	2.53E-08	3.90E-09	1.73E-09	5.36E-08
2536	497364.44	3858401.52	1.72E-04	1.99E-04	9.16E-05	5.96E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.29E-08	0.00E+00	0.00E+00	1.92E-08	4.08E-09	2.59E-08	3.99E-09	1.78E-09	5.49E-08
2537	497414.44	3858401.52	1.71E-04	1.98E-04	9.12E-05	5.93E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.95E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.06E-09	2.58E-08	3.98E-09	1.77E-09	5.47E-08
2538	497464.44	3858401.52	1.70E-04	1.96E-04	9.05E-05	5.89E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.92E-08	2.27E-08	0.00E+00	0.00E+00	1.89E-08	4.03E-09	2.56E-08	3.95E-09	1.75E-09	5.43E-08
2539	497514.44	3858401.52	1.70E-04	1.96E-04	9.02E-05	5.87E-08	1.77E-07	1.03E-07	1.18E-07	1.07E-07	4.90E-08	2.26E-08	0.00E+00	0.00E+00	1.89E-08	4.02E-09	2.55E-08	3.93E-09	1.75E-09	5.41E-08
2540	497564.44	3858401.52	1.71E-04	1.98E-04	9.12E-05	5.93E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.95E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.06E-09	2.58E-08	3.98E-09	1.77E-09	5.47E-08
2541	497614.44	3858401.52	1.74E-04	2.01E-04	9.25E-05	6.02E-08	1.82E-07	1.05E-07	1.21E-07	1.10E-07	5.02E-08	2.31E-08	0.00E+00	0.00E+00	1.94E-08	4.12E-09	2.62E-08	4.03E-09	1.79E-09	5.55E-08
2542	493478.11	3860497.94	1.78E-04	2.06E-04	9.38E-05	6.16E-08	1.86E-07	1.08E-07	1.25E-07	1.13E-07	5.15E-08	2.35E-08	0.00E+00	0.00E+00	1.98E-08	4.23E-09	2.68E-08	4.14E-09	1.82E-09	5.68E-08
2543	493528.11	3860497.94	1.79E-04	2.06E-04	9.41E-05	6.18E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.17E-08	2.35E-08	0.00E+00	0.00E+00	1.99E-08	4.24E-09	2.69E-08	4.15E-09	1.82E-09	5.70E-08
2544	493478.11	3860547.94	1.73E-04	2.00E-04	9.11E-05	5.99E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.00E-08	2.28E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.77E-09	5.52E-08
2545	493528.11	3860547.94	1.73E-04	2.01E-04	9.14E-05	6.00E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.02E-08	2.29E-08	0.00E+00	0.00E+00	1.93E-08	4.12E-09	2.61E-08	4.03E-09	1.77E-09	5.54E-08
2546	493478.11	3860597.94	1.68E-04	1.94E-04	8.85E-05	5.82E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.86E-08	2.22E-08	0.00E+00	0.00E+00	1.87E-08	3.99E-09	2.53E-08	3.90E-09	1.72E-09	5.36E-08
2547	493528.11	3860597.94	1.69E-04	1.95E-04	8.88E-05	5.83E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.88E-08	2.22E-08	0.00E+00	0.00E+00	1.88E-08	4.00E-09	2.54E-08	3.92E-09	1.72E-09	5.38E-08
2548	493561.88	3860524.64	1.76E-04	2.04E-04	9.28E-05	6.10E-08	1.84E-07	1.07E-07	1.23E-07	1.12E-07	5.10E-08	2.32E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.80E-09	5.62E-08
2549	493591.88	3860524.64	1.77E-04	2.04E-04	9.31E-05	6.11E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.11E-08	2.33E-08	0.00E+00	0.00E+00	1.97E-08	4.19E-09	2.66E-08	4.10E-09	1.80E-09	5.64E-08
2550	493561.88	3860554.64	1.73E-04	2.00E-04	9.12E-05	5.99E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.01E-08	2.28E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.77E-09	5.53E-08
2551	493591.88	3860554.64	1.74E-04	2.01E-04	9.15E-05	6.01E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.03E-08	2.29E-08	0.00E+00	0.00E+00	1.93E-08	4.12E-09	2.62E-08	4.04E-09	1.77E-09	5.54E-08
2552	492880.5	3860293.11	1.90E-04	2.20E-04	1.00E-04	6.59E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.51E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.42E-09	1.95E-09	6.07E-08
2553	492930.5	3860293.11	1.92E-04	2.21E-04	1.01E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.54E-08	2.53E-08	0.00E+00	0.00E+00	2.13E-08	4.55E-09	2.89E-08	4.45E-09	1.96E-09	6.11E-08
2554	492980.5	3860293.11	1.93E-04	2.23E-04	1.02E-04	6.67E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.54E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	1.97E-09	6.15E-08
2555	493030.5	3860293.11	1.95E-04	2.25E-04	1.03E-04	6.74E-08	2.04E-07	1.18E-07	1.36E-07	1.23E-07	5.63E-08	2.57E-08	0.00E+00	0.00E+00	2.17E-08	4.62E-09	2.93E-08	4.52E-09	1.99E-09	6.22E-08
2556	493080.5	3860293.11	1.97E-04	2.27E-04	1.04E-04	6.81E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.69E-08	2.59E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.01E-09	6.28E-08
2557	493130.5	3860293.11	1.97E-04	2.27E-04	1.04E-04	6.81E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.69E-08	2.59E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.01E-09	6.27E-08
2558	493180.5	3860293.11	1.97E-04	2.27E-04	1.04E-04	6.80E-08	2.05E-07	1.19E-07	1.37E-07	1.25E-07	5.69E-08	2.59E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.01E-09	6.27E-08
2559	493230.5	3860293.11	1.97E-04	2.28E-04	1.04E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.68E-09	2.97E-08	4.58E-09	2.01E-09	6.29E-08
2560	493280.5	3860293.11	1.98E-04	2.29E-04	1.04E-04	6.85E-08	2.07E-07	1.20E-07	1.38E-07	1.26E-07	5.73E-08	2.61E-08	0.00E+00	0.00E+00	2.20E-08	4.70E-09	2.98E-08	4.60E-09	2.02E-09	6.32E-08
2561	493330.5	3860293.11	1.99E-04	2.30E-04	1.05E-04	6.88E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.62E-08	0.00E+00	0.00E+00	2.21E-08	4.72E-09	2.99E-08	4.61E-09	2.03E-09	6.34E-08
2562	493380.5	3860293.11	1.99E-04	2.30E-04	1.05E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.76E-08	2.63E-08	0.00E+00	0.00E+00	2.22E-08	4.73E-09	3.00E-08	4.62E-09	2.03E-09	6.35E-08
2563	492880.5	3860343.11	1.84E-04	2.13E-04	9.72E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.43E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.78E-08	4.28E-09	1.88E-09	5.88E-08
2564	492930.5	3860343.11	1.85E-04	2.14E-04	9.78E-05	6.42E-08	1.94E-07	1.12E-07	1.30E-07	1.18E-07	5.36E-08	2.45E-08	0.00E+00	0.00E+00	2.06E-08	4.40E-09	2.79E-08	4.31E-09	1.90E-09	5.92E-08
2565	492980.5	3860343.11	1.88E-04	2.17E-04	9.90E-05	6.50E-08	1.96E-07	1.14E-07	1.31E-07	1.19E-07	5.43E-08	2.48E-08	0.00E+00	0.00E+00	2.09E-08	4.46E-09	2.83E-08	4.36E-09	1.92E-09	5.99E-08
2566	493030.5	3860343.11	1.89E-04	2.18E-04	9.95E-05	6.53E-08	1.97E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.49E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.38E-09	1.93E-09	6.02E-08
2567	493080.5	3860343.11	1.91E-04	2.20E-04	1.00E-04	6.60E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.51E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.43E-09	1.95E-09	6.08E-08
2568	493130.5	3860343.11	1.91E-04	2.21E-04	1.01E-04	6.61E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.52E-08	0.00E+00	0.00E+00	2.13E-08	4.53E-09	2.88E-08	4.44E-09	1.95E-09	6.10E-08
2569	493180.5	3860343.11	1.91E-04	2.21E-04	1.01E-04	6.61E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.52E-08	2.52E-08	0.00E+00	0.00E+00	2.13E-08	4.53E-09	2.88E-08	4.43E-09	1.95E-09	6.09E-08
2570	493230.5	3860343.11	1.91E-04	2.21E-04	1.01E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.54E-08	2.53E-08	0.00E+00	0.00E+00	2.13E-08	4.55E-09	2.88E-08	4.45E-09	1.96E-09	6.11E-08
2571	493280.5	3860343.11	1.93E-04	2.23E-04	1.02E-04	6.67E-08	2.01E-07	1.17E-07	1.35E-07	1.22E-07	5.57E-08	2.54E-08	0.00E+00	0.00E+00	2.14E-08	4.57E-09	2.90E-08	4.48E-09	1.97E-09	6.15E-08
2572	493330.5	3860343.11	1.93E-04	2.24E-04	1.02E-04	6.70E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.55E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.98E-09	6.17E-08
2573	493380.5	3860343.11	1.94E-04	2.24E-04	1.02E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.61E-08	2.56E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.92E-08	4.51E-09	1.98E-09	6.19E-08
2574	492880.5	3860393.11	1.78E-04	2.06E-04	9.41E-05	6.18E-08	1.86E-07	1.08E-07	1.25E-07	1.13E-07	5.16E-08	2.36E-08	0.00E+00	0.00E+00	1.99E-08	4.23E-09	2.69E-08	4.14E-09	1.82E-09	5.69E-08
2575	492930.5	3860393.11	1.80E-04	2.08E-04	9.48E-05	6.22E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.20E-08	2.37E-08	0.00E+00	0.00E+00	2.00E-08	4.27E-09	2.71E-08	4.17E-09	1.84E-09	5.74E-08
2576	492980.5	3860393.11	1.81E-04	2.10E-04	9.57E-05	6.28E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.25E-08	2.39E-08	0.00E+00	0.00E+00	2.02E-08	4.31E-09	2.73E-08	4.21E-09	1.85E-09	5.79E-08
2577	493030.5	3860393.11	1.83E-04	2.11E-04	9.64E-05	6.33E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.41E-08	0.00E+00	0.00E+00	2.03E-08	4.34E-09	2.75E-08	4.24E-09	1.87E-09	5.83E-08
2578	493080.5	3860393.11	1.85E-04	2.14E-04	9.74E-05	6.40E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.34E-08	2.44E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.78E-08	4.29E-09	1.89E-09	5.90E-08
2579	493130.5	3860393.11	1.85E-04	2.14E-04	9.76E-05	6.41E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.44E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.79E-08	4.30E-09	1.89E-09	5.91E-08
2580	493180.5	3860393.11	1.85E-04	2.14E-04	9.76E-05	6.41E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.44E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.79E-08	4.30E-09	1.89E-09	5.91E-08
2581	493230.5	3860393.11	1.86E-04	2.15E-04	9.80E-05	6.44E-08	1.94E-07	1.13E-07	1.30E-07	1.18E-07	5.38E-08	2.45E-08	0.00E+00	0.00E+00	2.07E-08	4.41E-09	2.80E-08	4.32E-09	1.90E-09	5.93E-08
2582	493280.5	3860393.11	1.87E-04	2.16E-04	9.87E-05	6.48E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.42E-08	2.47E-08	0.00E+00	0.00E+00	2.08E-08	4.45E-09	2.82E-08	4.35E-09	1.91E-09	5.98E-08
2583	493330.5	3860393.11	1.88E-04	2.18E-04	9.92E-05	6.52E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.44E-08	2.48E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.84E-08	4.37E-09	1.92E-09	6.01E-08
2584	493380.5	3860393.11	1.89E-04	2.18E-04	9.96E-05	6.54E-08	1.97E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.49E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.85E-08	4.39E-09	1.93E-09	6.03E-08
2585	492880.5	3860443.11	1.73E-04	2.00E-04	9.13E-05	5.99E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.00E-08	2.28E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.77E-09	5.52E-08
2586	492930.5	3860443.11	1.74E-04	2.01E-04	9.17E-05	6.02E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.03E-08	2.30E-08	0.00E+00	0.00E+00	1.94E-08	4.13E-09	2.62E-08	4.04E-09	1.78E-09	5.55E-08
2587	492980.5	3860443.11	1.75E-04	2.03E-04	9.25E-05	6.07E-08	1.83E-07	1.06E-07	1.23E-07	1.11E-07	5.07E-08	2.31E-08	0.00E+00	0.00E+00	1.95E-08	4.16E-09	2.64E-08	4.07E-09	1.79E-09	5.60E-08
2588	493030.5	3860443.11	1.77E-04	2.04E-04	9.32E-05	6.12E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.11E-08	2.33E-08	0.00E+00	0.00E+00	1.97E-08	4.20E-09	2.66E-08	4.11E-09	1.81E-09	5.64E-08
2589	493080.5	3860443.11	1.78E-04	2.06E-04	9.38E-05	6.16E-08	1.86E-07	1.08E-07	1.24E-07	1.13E-07	5.14E-08	2.35E-08	0.00E+00	0.00E+00	1.98E-08	4.22E-09	2.68E-08	4.13E-09	1.82E-09	5.68E-08
2590	493130.5	3860443.11	1.79E-04	2.07E-04	9.43E-05	6.19E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.17E-08	2.36E-08	0.00E+00	0.00E+00	1.99E-08	4.25E-09	2.69E-08	4.15E-09	1.83E-09	5.71E-08
2591	493180.5	3860443.11	1.79E-04	2.07E-04	9.44E-05	6.20E-08	1.87E-07	1.08E-07	1.25E-07	1.14E-07	5.18E-08	2.36E-08	0.00E+00	0.00E+00	1.99E-08	4.25E-09	2.70E-08	4.16E-09	1.83E-09	5.71E-08
2592	493230.5	3860443.11	1.81E-04	2.09E-04	9.52E-05	6.25E-08	1.89E-07	1.09E-07	1.26E-07	1.14E-07	5.22E-08	2.38E-08	0.00E+00	0.00E+00	2.01E-08	4.29E-09	2.72E-08	4.19E-09	1.84E-09	5.76E-08
2593	493280.5	3860443.11	1.82E-04	2.10E-04	9.58E-05	6.29E-08	1.90E-07	1.10E-07	1.27E-07	1.15E-07	5.26E-08	2.40E-08	0.00E+00	0.00E+00	2.02E-08	4.31E-09	2.74E-08	4.22E-09	1.86E-09	5.80E-08
2594	493330.5	3860443.11	1.83E-04	2.12E-04	9.64E-05	6.33E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.41E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.76E-08	4.25E-09	1.87E-09	5.84E-08
2595	493380.5	3860443.11	1.83E-04	2.12E-04	9.67E-05	6.35E-08	1.92E-07	1.11E-07	1.28E-07	1.16E-07	5.31E-08	2.42E-08	0.00E+00	0.00E+00	2.04E-08	4.36E-09	2.76E-08	4.26E-09	1.87E-09	5.86E-08
2596	493180.5	3860493.11	1.74E-04	2.01E-04	9.16E-05	6.02E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.03E-08	2.29E-08	0.00E+00	0.00E+00	1.93E-08	4.13E-09	2.62E-08	4.04E-09	1.78E-09	5.55E-08
2597	493230.5	3860493.11	1.75E-04	2.02E-04	9.23E-05	6.06E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.06E-08	2.31E-08	0.00E+00	0.00E+00	1.95E-08	4.16E-09	2.64E-08	4.07E-09	1.79E-09	5.59E-08
2598	493280.5	3860493.11	1.76E-04	2.04E-04	9.29E-05	6.10E-08	1.84E-07	1.07E-07	1.23E-07	1.12E-07	5.10E-08	2.33E-08	0.00E+00	0.00E+00	1.96E-08	4.19E-09	2.66E-08	4.10E-09	1.80E-09	5.63E-08
2599	493330.5	3860493.11	1.77E-04	2.05E-04	9.34E-05	6.14E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.13E-08	2.34E-08	0.00E+00	0.00E+00	1.97E-08	4.21E-09	2.67E-08	4.12E-09	1.81E-09	5.66E-08
2600	493380.5	3860493.11	1.78E-04	2.06E-04	9.37E-05	6.16E-08	1.86E-07	1.08E-07	1.24E-07	1.13E-07	5.15E-08	2.35E-08	0.00E+00	0.00E+00	1.98E-08	4.22E-09	2.68E-08	4.13E-09	1.82E-09	5.68E-08
2601	493330.5	3860543.11	1.72E-04	1.99E-04	9.06E-05	5.95E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.27E-08	0.00E+00	0.00E+00	1.91E-08	4.08E-09	2.59E-08	4.00E-09	1.76E-09	5.49E-08
2602	493380.5	3860543.11	1.73E-04	2.00E-04	9.09E-05	5.97E-08	1.80E-07	1.04E-07	1.21E-07	1.09E-07	4.99E-08	2.28E-08	0.00E+00	0.00E+00	1.92E-08	4.10E-09	2.60E-08	4.01E-09	1.76E-09	5.51E-08
2603	494135.94	3860876.85	1.51E-04	1.75E-04	7.95E-05	5.23E-08	1.58E-07	9.14E-08	1.06E-07	9.58E-08	4.37E-08	1.99E-08	0.00E+00	0.00E+00	1.68E-08	3.59E-09	2.28E-08	3.51E-09	1.54E-09	4.82E-08
2604	494185.94	3860876.85	1.52E-04	1.75E-04	7.98E-05	5.25E-08	1.58E-07	9.17E-08	1.06E-07	9.61E-08	4.38E-08	2.00E-08	0.00E+00	0.00E+00	1.69E-08	3.60E-09	2.28E-08	3.52E-09	1.55E-09	4.84E-08
2605	494135.94	3860926.85	1.47E-04	1.70E-04	7.73E-05	5.08E-08	1.54E-07	8.89E-08	1.03E-07	9.31E-08	4.25E-08	1.93E-08	0.00E+00	0.00E+00	1.63E-08	3.49E-09	2.21E-08	3.41E-09	1.50E-09	4.69E-08
2606	494185.94	3860926.85	1.47E-04	1.70E-04	7.76E-05	5.10E-08	1.54E-07	8.92E-08	1.03E-07	9.35E-08	4.27E-08	1.94E-08	0.00E+00	0.00E+00	1.64E-08	3.50E-09	2.22E-08	3.43E-09	1.50E-09	4.71E-08
2607	494135.94	3860976.85	1.43E-04	1.65E-04	7.52E-05	4.94E-08	1.49E-07	8.64E-08	9.99E-08	9.06E-08	4.13E-08	1.88E-08	0.00E+00	0.00E+00	1.59E-08	3.39E-09	2.15E-08	3.32E-09	1.46E-09	4.56E-08
2608	494185.94	3860976.85	1.43E-04	1.66E-04	7.55E-05	4.97E-08	1.50E-07	8.68E-08	1.00E-07	9.10E-08	4.15E-08	1.89E-08	0.00E+00	0.00E+00	1.60E-08	3.41E-09	2.16E-08	3.33E-09	1.46E-09	4.58E-08
2609	494135.94	3861026.85	1.39E-04	1.61E-04	7.31E-05	4.81E-08	1.45E-07	8.40E-08	9.71E-08	8.80E-08	4.02E-08	1.83E-08	0.00E+00	0.00E+00	1.55E-08	3.30E-09	2.09E-08	3.23E-09	1.42E-09	4.43E-08
2610	494185.94	3861026.85	1.40E-04	1.61E-04	7.34E-05	4.83E-08	1.46E-07	8.44E-08	9.76E-08	8.85E-08	4.04E-08	1.84E-08	0.00E+00	0.00E+00	1.55E-08	3.31E-09	2.10E-08	3.24E-09	1.42E-09	4.45E-08
2611	494135.94	3861076.85	1.35E-04	1.56E-04	7.10E-05	4.67E-08	1.41E-07	8.17E-08	9.44E-08	8.56E-08	3.91E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.21E-09	2.03E-08	3.14E-09	1.38E-09	4.31E-08
2612	494185.94	3861076.85	1.36E-04	1.57E-04	7.14E-05	4.70E-08	1.42E-07	8.21E-08	9.49E-08	8.60E-08	3.93E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.22E-09	2.04E-08	3.15E-09	1.38E-09	4.33E-08
2613	490360.04	3858710.04	4.70E-04	5.43E-04	2.49E-04	1.63E-07	4.92E-07	2.85E-07	3.29E-07	2.98E-07	1.36E-07	6.24E-08	0.00E+00	0.00E+00	5.23E-08	1.12E-08	7.08E-08	1.09E-08	4.83E-09	1.50E-07
2614	490410.04	3858710.04	4.72E-04	5.45E-04	2.50E-04	1.63E-07	4.93E-07	2.85E-07	3.29E-07	2.99E-07	1.36E-07	6.26E-08	0.00E+00	0.00E+00	5.25E-08	1.12E-08	7.10E-08	1.09E-08	4.85E-09	1.50E-07
2615	490460.04	3858710.04	4.73E-04	5.46E-04	2.51E-04	1.64E-07	4.95E-07	2.86E-07	3.31E-07	3.00E-07	1.37E-07	6.28E-08	0.00E+00	0.00E+00	5.27E-08	1.12E-08	7.12E-08	1.10E-08	4.86E-09	1.51E-07
2616	490510.04	3858710.04	4.74E-04	5.47E-04	2.51E-04	1.64E-07	4.95E-07	2.87E-07	3.31E-07	3.00E-07	1.37E-07	6.29E-08	0.00E+00	0.00E+00	5.27E-08	1.12E-08	7.13E-08	1.10E-08	4.87E-09	1.51E-07
2617	490560.04	3858710.04	4.74E-04	5.47E-04	2.51E-04	1.64E-07	4.95E-07	2.87E-07	3.31E-07	3.00E-07	1.37E-07	6.29E-08	0.00E+00	0.00E+00	5.27E-08	1.12E-08	7.13E-08	1.10E-08	4.87E-09	1.51E-07
2618	490610.04	3858710.04	4.74E-04	5.47E-04	2.51E-04	1.64E-07	4.95E-07	2.87E-07	3.31E-07	3.00E-07	1.37E-07	6.28E-08	0.00E+00	0.00E+00	5.27E-08	1.12E-08	7.13E-08	1.10E-08	4.87E-09	1.51E-07

2619	490660.04	3858710.04	4.73E-04	5.46E-04	2.51E-04	1.64E-07	4.94E-07	2.86E-07	3.31E-07	3.00E-07	1.37E-07	6.27E-08	0.00E+00	0.00E+00	5.27E-08	1.12E-08	7.12E-08	1.10E-08	4.86E-09	1.51E-07
2620	490710.04	3858710.04	4.73E-04	5.46E-04	2.51E-04	1.64E-07	4.94E-07	2.86E-07	3.30E-07	2.99E-07	1.37E-07	6.27E-08	0.00E+00	0.00E+00	5.26E-08	1.12E-08	7.11E-08	1.10E-08	4.86E-09	1.51E-07
2621	490760.04	3858710.04	4.72E-04	5.45E-04	2.50E-04	1.63E-07	4.93E-07	2.86E-07	3.30E-07	2.99E-07	1.36E-07	6.26E-08	0.00E+00	0.00E+00	5.25E-08	1.12E-08	7.10E-08	1.10E-08	4.85E-09	1.51E-07
2622	490810.04	3858710.04	4.71E-04	5.44E-04	2.50E-04	1.63E-07	4.92E-07	2.85E-07	3.29E-07	2.98E-07	1.36E-07	6.25E-08	0.00E+00	0.00E+00	5.24E-08	1.12E-08	7.09E-08	1.09E-08	4.84E-09	1.50E-07
2623	490860.04	3858710.04	4.70E-04	5.43E-04	2.49E-04	1.63E-07	4.91E-07	2.84E-07	3.28E-07	2.98E-07	1.36E-07	6.23E-08	0.00E+00	0.00E+00	5.23E-08	1.11E-08	7.07E-08	1.09E-08	4.83E-09	1.50E-07
2624	490360.04	3858760.04	4.52E-04	5.22E-04	2.40E-04	1.57E-07	4.73E-07	2.74E-07	3.16E-07	2.87E-07	1.31E-07	6.01E-08	0.00E+00	0.00E+00	5.04E-08	1.07E-08	6.81E-08	1.05E-08	4.65E-09	1.44E-07
2625	490410.04	3858760.04	4.54E-04	5.25E-04	2.41E-04	1.57E-07	4.75E-07	2.75E-07	3.17E-07	2.88E-07	1.31E-07	6.03E-08	0.00E+00	0.00E+00	5.06E-08	1.08E-08	6.84E-08	1.05E-08	4.67E-09	1.45E-07
2626	490460.04	3858760.04	4.56E-04	5.27E-04	2.42E-04	1.58E-07	4.77E-07	2.76E-07	3.19E-07	2.89E-07	1.32E-07	6.05E-08	0.00E+00	0.00E+00	5.08E-08	1.08E-08	6.86E-08	1.06E-08	4.69E-09	1.45E-07
2627	490510.04	3858760.04	4.57E-04	5.28E-04	2.43E-04	1.58E-07	4.78E-07	2.77E-07	3.20E-07	2.90E-07	1.32E-07	6.07E-08	0.00E+00	0.00E+00	5.09E-08	1.08E-08	6.88E-08	1.06E-08	4.70E-09	1.46E-07
2628	490560.04	3858760.04	4.58E-04	5.29E-04	2.43E-04	1.59E-07	4.79E-07	2.77E-07	3.20E-07	2.90E-07	1.32E-07	6.08E-08	0.00E+00	0.00E+00	5.10E-08	1.09E-08	6.89E-08	1.06E-08	4.71E-09	1.46E-07
2629	490610.04	3858760.04	4.58E-04	5.29E-04	2.43E-04	1.59E-07	4.79E-07	2.77E-07	3.20E-07	2.90E-07	1.33E-07	6.08E-08	0.00E+00	0.00E+00	5.10E-08	1.09E-08	6.90E-08	1.06E-08	4.71E-09	1.46E-07
2630	490660.04	3858760.04	4.59E-04	5.30E-04	2.43E-04	1.59E-07	4.79E-07	2.77E-07	3.20E-07	2.90E-07	1.33E-07	6.08E-08	0.00E+00	0.00E+00	5.10E-08	1.09E-08	6.90E-08	1.06E-08	4.71E-09	1.46E-07
2631	490710.04	3858760.04	4.58E-04	5.29E-04	2.43E-04	1.59E-07	4.79E-07	2.77E-07	3.20E-07	2.90E-07	1.32E-07	6.08E-08	0.00E+00	0.00E+00	5.10E-08	1.09E-08	6.90E-08	1.06E-08	4.71E-09	1.46E-07
2632	490760.04	3858760.04	4.58E-04	5.29E-04	2.43E-04	1.59E-07	4.79E-07	2.77E-07	3.20E-07	2.90E-07	1.32E-07	6.08E-08	0.00E+00	0.00E+00	5.10E-08	1.09E-08	6.89E-08	1.06E-08	4.70E-09	1.46E-07
2633	490810.04	3858760.04	4.57E-04	5.28E-04	2.42E-04	1.58E-07	4.78E-07	2.77E-07	3.20E-07	2.90E-07	1.32E-07	6.07E-08	0.00E+00	0.00E+00	5.09E-08	1.08E-08	6.88E-08	1.06E-08	4.70E-09	1.46E-07
2634	490860.04	3858760.04	4.56E-04	5.27E-04	2.42E-04	1.58E-07	4.77E-07	2.76E-07	3.19E-07	2.89E-07	1.32E-07	6.05E-08	0.00E+00	0.00E+00	5.08E-08	1.08E-08	6.87E-08	1.06E-08	4.69E-09	1.46E-07
2635	490360.04	3858810.04	4.35E-04	5.03E-04	2.31E-04	1.51E-07	4.55E-07	2.63E-07	3.04E-07	2.76E-07	1.26E-07	5.78E-08	0.00E+00	0.00E+00	4.85E-08	1.03E-08	6.55E-08	1.01E-08	4.48E-09	1.39E-07
2636	490410.04	3858810.04	4.38E-04	5.05E-04	2.32E-04	1.52E-07	4.57E-07	2.65E-07	3.06E-07	2.77E-07	1.26E-07	5.81E-08	0.00E+00	0.00E+00	4.87E-08	1.04E-08	6.59E-08	1.02E-08	4.50E-09	1.40E-07
2637	490460.04	3858810.04	4.40E-04	5.08E-04	2.33E-04	1.52E-07	4.60E-07	2.66E-07	3.07E-07	2.78E-07	1.27E-07	5.84E-08	0.00E+00	0.00E+00	4.89E-08	1.04E-08	6.62E-08	1.02E-08	4.52E-09	1.40E-07
2638	490510.04	3858810.04	4.41E-04	5.09E-04	2.34E-04	1.53E-07	4.61E-07	2.67E-07	3.08E-07	2.79E-07	1.27E-07	5.85E-08	0.00E+00	0.00E+00	4.91E-08	1.05E-08	6.64E-08	1.02E-08	4.53E-09	1.41E-07
2639	490560.04	3858810.04	4.42E-04	5.10E-04	2.34E-04	1.53E-07	4.62E-07	2.67E-07	3.09E-07	2.80E-07	1.28E-07	5.87E-08	0.00E+00	0.00E+00	4.92E-08	1.05E-08	6.65E-08	1.03E-08	4.54E-09	1.41E-07
2640	490610.04	3858810.04	4.43E-04	5.12E-04	2.35E-04	1.53E-07	4.63E-07	2.68E-07	3.10E-07	2.81E-07	1.28E-07	5.88E-08	0.00E+00	0.00E+00	4.93E-08	1.05E-08	6.67E-08	1.03E-08	4.55E-09	1.41E-07
2641	490660.04	3858810.04	4.44E-04	5.12E-04	2.35E-04	1.54E-07	4.64E-07	2.68E-07	3.10E-07	2.81E-07	1.28E-07	5.88E-08	0.00E+00	0.00E+00	4.94E-08	1.05E-08	6.68E-08	1.03E-08	4.56E-09	1.42E-07
2642	490710.04	3858810.04	4.44E-04	5.13E-04	2.35E-04	1.54E-07	4.64E-07	2.69E-07	3.10E-07	2.81E-07	1.28E-07	5.89E-08	0.00E+00	0.00E+00	4.94E-08	1.05E-08	6.68E-08	1.03E-08	4.56E-09	1.42E-07
2643	490760.04	3858810.04	4.44E-04	5.13E-04	2.35E-04	1.54E-07	4.64E-07	2.69E-07	3.10E-07	2.81E-07	1.28E-07	5.89E-08	0.00E+00	0.00E+00	4.94E-08	1.05E-08	6.68E-08	1.03E-08	4.56E-09	1.42E-07
2644	490810.04	3858810.04	4.43E-04	5.12E-04	2.35E-04	1.54E-07	4.63E-07	2.68E-07	3.10E-07	2.81E-07	1.28E-07	5.88E-08	0.00E+00	0.00E+00	4.94E-08	1.05E-08	6.67E-08	1.03E-08	4.55E-09	1.41E-07
2645	490860.04	3858810.04	4.43E-04	5.11E-04	2.35E-04	1.53E-07	4.63E-07	2.68E-07	3.09E-07	2.81E-07	1.28E-07	5.87E-08	0.00E+00	0.00E+00	4.93E-08	1.05E-08	6.67E-08	1.03E-08	4.55E-09	1.41E-07
2646	490360.04	3858860.04	4.19E-04	4.84E-04	2.22E-04	1.45E-07	4.38E-07	2.54E-07	2.93E-07	2.65E-07	1.21E-07	5.57E-08	0.00E+00	0.00E+00	4.66E-08	9.94E-09	6.30E-08	9.72E-09	4.31E-09	1.34E-07
2647	490410.04	3858860.04	4.21E-04	4.86E-04	2.23E-04	1.46E-07	4.40E-07	2.55E-07	2.94E-07	2.67E-07	1.22E-07	5.59E-08	0.00E+00	0.00E+00	4.68E-08	9.98E-09	6.33E-08	9.76E-09	4.33E-09	1.34E-07
2648	490460.04	3858860.04	4.23E-04	4.89E-04	2.25E-04	1.47E-07	4.42E-07	2.56E-07	2.96E-07	2.68E-07	1.22E-07	5.62E-08	0.00E+00	0.00E+00	4.71E-08	1.00E-08	6.37E-08	9.82E-09	4.35E-09	1.35E-07
2649	490510.04	3858860.04	4.25E-04	4.90E-04	2.25E-04	1.47E-07	4.44E-07	2.57E-07	2.97E-07	2.69E-07	1.23E-07	5.64E-08	0.00E+00	0.00E+00	4.73E-08	1.01E-08	6.39E-08	9.85E-09	4.36E-09	1.35E-07
2650	490560.04	3858860.04	4.26E-04	4.92E-04	2.26E-04	1.48E-07	4.45E-07	2.58E-07	2.98E-07	2.70E-07	1.23E-07	5.66E-08	0.00E+00	0.00E+00	4.74E-08	1.01E-08	6.41E-08	9.89E-09	4.38E-09	1.36E-07
2651	490610.04	3858860.04	4.28E-04	4.94E-04	2.27E-04	1.48E-07	4.47E-07	2.59E-07	2.99E-07	2.71E-07	1.24E-07	5.68E-08	0.00E+00	0.00E+00	4.76E-08	1.01E-08	6.44E-08	9.93E-09	4.40E-09	1.36E-07
2652	490660.04	3858860.04	4.29E-04	4.95E-04	2.27E-04	1.48E-07	4.48E-07	2.59E-07	3.00E-07	2.72E-07	1.24E-07	5.69E-08	0.00E+00	0.00E+00	4.77E-08	1.02E-08	6.45E-08	9.95E-09	4.40E-09	1.37E-07
2653	490710.04	3858860.04	4.29E-04	4.96E-04	2.27E-04	1.49E-07	4.48E-07	2.60E-07	3.00E-07	2.72E-07	1.24E-07	5.69E-08	0.00E+00	0.00E+00	4.78E-08	1.02E-08	6.46E-08	9.96E-09	4.41E-09	1.37E-07
2654	490760.04	3858860.04	4.30E-04	4.96E-04	2.28E-04	1.49E-07	4.49E-07	2.60E-07	3.00E-07	2.72E-07	1.24E-07	5.70E-08	0.00E+00	0.00E+00	4.78E-08	1.02E-08	6.46E-08	9.97E-09	4.41E-09	1.37E-07
2655	490810.04	3858860.04	4.30E-04	4.96E-04	2.28E-04	1.49E-07	4.49E-07	2.60E-07	3.00E-07	2.72E-07	1.24E-07	5.70E-08	0.00E+00	0.00E+00	4.78E-08	1.02E-08	6.47E-08	9.97E-09	4.41E-09	1.37E-07
2656	490860.04	3858860.04	4.29E-04	4.96E-04	2.27E-04	1.49E-07	4.49E-07	2.60E-07	3.00E-07	2.72E-07	1.24E-07	5.69E-08	0.00E+00	0.00E+00	4.78E-08	1.02E-08	6.46E-08	9.96E-09	4.41E-09	1.37E-07
2657	490360.04	3858910.04	4.02E-04	4.64E-04	2.13E-04	1.39E-07	4.20E-07	2.43E-07	2.81E-07	2.54E-07	1.16E-07	5.34E-08	0.00E+00	0.00E+00	4.47E-08	9.52E-09	6.04E-08	9.32E-09	4.13E-09	1.28E-07
2658	490410.04	3858910.04	4.04E-04	4.67E-04	2.15E-04	1.40E-07	4.22E-07	2.44E-07	2.82E-07	2.56E-07	1.17E-07	5.37E-08	0.00E+00	0.00E+00	4.50E-08	9.58E-09	6.08E-08	9.38E-09	4.16E-09	1.29E-07
2659	490460.04	3858910.04	4.06E-04	4.69E-04	2.16E-04	1.41E-07	4.25E-07	2.46E-07	2.84E-07	2.57E-07	1.17E-07	5.40E-08	0.00E+00	0.00E+00	4.52E-08	9.64E-09	6.12E-08	9.43E-09	4.18E-09	1.30E-07
2660	490510.04	3858910.04	4.09E-04	4.72E-04	2.17E-04	1.41E-07	4.27E-07	2.47E-07	2.86E-07	2.59E-07	1.18E-07	5.43E-08	0.00E+00	0.00E+00	4.55E-08	9.69E-09	6.15E-08	9.49E-09	4.20E-09	1.30E-07
2661	490560.04	3858910.04	4.11E-04	4.74E-04	2.18E-04	1.42E-07	4.29E-07	2.49E-07	2.87E-07	2.60E-07	1.19E-07	5.45E-08	0.00E+00	0.00E+00	4.57E-08	9.74E-09	6.18E-08	9.53E-09	4.22E-09	1.31E-07
2662	490610.04	3858910.04	4.12E-04	4.76E-04	2.19E-04	1.43E-07	4.31E-07	2.50E-07	2.88E-07	2.61E-07	1.19E-07	5.48E-08	0.00E+00	0.00E+00	4.59E-08	9.78E-09	6.21E-08	9.57E-09	4.24E-09	1.32E-07
2663	490660.04	3858910.04	4.14E-04	4.78E-04	2.19E-04	1.43E-07	4.32E-07	2.50E-07	2.89E-07	2.62E-07	1.20E-07	5.49E-08	0.00E+00	0.00E+00	4.60E-08	9.81E-09	6.22E-08	9.60E-09	4.25E-09	1.32E-07
2664	490710.04	3858910.04	4.15E-04	4.79E-04	2.20E-04	1.44E-07	4.33E-07	2.51E-07	2.90E-07	2.63E-07	1.20E-07	5.50E-08	0.00E+00	0.00E+00	4.62E-08	9.83E-09	6.24E-08	9.62E-09	4.26E-09	1.32E-07
2665	490760.04	3858910.04	4.15E-04	4.80E-04	2.20E-04	1.44E-07	4.34E-07	2.51E-07	2.90E-07	2.63E-07	1.20E-07	5.51E-08	0.00E+00	0.00E+00	4.62E-08	9.85E-09	6.25E-08	9.64E-09	4.27E-09	1.32E-07
2666	490810.04	3858910.04	4.16E-04	4.80E-04	2.20E-04	1.44E-07	4.34E-07	2.51E-07	2.90E-07	2.63E-07	1.20E-07	5.51E-08	0.00E+00	0.00E+00	4.63E-08	9.86E-09	6.25E-08	9.64E-09	4.27E-09	1.33E-07
2667	490860.04	3858910.04	4.15E-04	4.80E-04	2.20E-04	1.44E-07	4.34E-07	2.51E-07	2.90E-07	2.63E-07	1.20E-07	5.51E-08	0.00E+00	0.00E+00	4.62E-08	9.85E-09	6.25E-08	9.64E-09	4.27E-09	1.33E-07
2668	490360.04	3858960.04	3.85E-04	4.45E-04	2.05E-04	1.33E-07	4.03E-07	2.33E-07	2.69E-07	2.44E-07	1.11E-07	5.13E-08	0.00E+00	0.00E+00	4.29E-08	9.14E-09	5.80E-08	8.94E-09	3.97E-09	1.23E-07
2669	490410.04	3858960.04	3.88E-04	4.48E-04	2.06E-04	1.34E-07	4.06E-07	2.35E-07	2.71E-07	2.46E-07	1.12E-07	5.16E-08	0.00E+00	0.00E+00	4.32E-08	9.21E-09	5.84E-08	9.01E-09	4.00E-09	1.24E-07
2670	490460.04	3858960.04	3.91E-04	4.51E-04	2.08E-04	1.35E-07	4.09E-07	2.37E-07	2.73E-07	2.48E-07	1.13E-07	5.20E-08	0.00E+00	0.00E+00	4.35E-08	9.27E-09	5.88E-08	9.07E-09	4.02E-09	1.25E-07
2671	490510.04	3858960.04	3.93E-04	4.54E-04	2.09E-04	1.36E-07	4.11E-07	2.38E-07	2.75E-07	2.49E-07	1.14E-07	5.22E-08	0.00E+00	0.00E+00	4.38E-08	9.33E-09	5.92E-08	9.13E-09	4.05E-09	1.25E-07
2672	490560.04	3858960.04	3.95E-04	4.57E-04	2.10E-04	1.37E-07	4.13E-07	2.39E-07	2.76E-07	2.50E-07	1.14E-07	5.25E-08	0.00E+00	0.00E+00	4.40E-08	9.38E-09	5.95E-08	9.17E-09	4.07E-09	1.26E-07
2673	490610.04	3858960.04	3.97E-04	4.59E-04	2.11E-04	1.38E-07	4.15E-07	2.40E-07	2.78E-07	2.52E-07	1.15E-07	5.28E-08	0.00E+00	0.00E+00	4.42E-08	9.42E-09	5.98E-08	9.22E-09	4.09E-09	1.27E-07
2674	490660.04	3858960.04	3.99E-04	4.60E-04	2.11E-04	1.38E-07	4.17E-07	2.41E-07	2.79E-07	2.53E-07	1.15E-07	5.29E-08	0.00E+00	0.00E+00	4.44E-08	9.45E-09	6.00E-08	9.25E-09	4.10E-09	1.27E-07
2675	490710.04	3858960.04	4.00E-04	4.62E-04	2.12E-04	1.38E-07	4.18E-07	2.42E-07	2.80E-07	2.53E-07	1.16E-07	5.31E-08	0.00E+00	0.00E+00	4.45E-08	9.49E-09	6.02E-08	9.28E-09	4.11E-09	1.28E-07
2676	490760.04	3858960.04	4.01E-04	4.63E-04	2.13E-04	1.39E-07	4.19E-07	2.43E-07	2.80E-07	2.54E-07	1.16E-07	5.32E-08	0.00E+00	0.00E+00	4.46E-08	9.51E-09	6.03E-08	9.31E-09	4.12E-09	1.28E-07
2677	490810.04	3858960.04	4.01E-04	4.64E-04	2.13E-04	1.39E-07	4.20E-07	2.43E-07	2.81E-07	2.54E-07	1.16E-07	5.33E-08	0.00E+00	0.00E+00	4.47E-08	9.52E-09	6.04E-08	9.32E-09	4.13E-09	1.28E-07
2678	490860.04	3858960.04	4.02E-04	4.64E-04	2.13E-04	1.39E-07	4.20E-07	2.43E-07	2.81E-07	2.54E-07	1.16E-07	5.33E-08	0.00E+00	0.00E+00	4.47E-08	9.53E-09	6.04E-08	9.32E-09	4.13E-09	1.28E-07
2679	490360.04	3859010.04	3.70E-04	4.27E-04	1.97E-04	1.28E-07	3.87E-07	2.24E-07	2.58E-07	2.34E-07	1.07E-07	4.92E-08	0.00E+00	0.00E+00	4.12E-08	8.77E-09	5.57E-08	8.59E-09	3.81E-09	1.18E-07
2680	490410.04	3859010.04	3.73E-04	4.31E-04	1.98E-04	1.29E-07	3.90E-07	2.26E-07	2.60E-07	2.36E-07	1.08E-07	4.96E-08	0.00E+00	0.00E+00	4.15E-08	8.84E-09	5.61E-08	8.65E-09	3.84E-09	1.19E-07
2681	490460.04	3859010.04	3.76E-04	4.34E-04	2.00E-04	1.30E-07	3.93E-07	2.27E-07	2.63E-07	2.38E-07	1.09E-07	5.00E-08	0.00E+00	0.00E+00	4.18E-08	8.91E-09	5.65E-08	8.72E-09	3.87E-09	1.20E-07
2682	490510.04	3859010.04	3.78E-04	4.37E-04	2.01E-04	1.31E-07	3.96E-07	2.29E-07	2.64E-07	2.40E-07	1.09E-07	5.03E-08	0.00E+00	0.00E+00	4.21E-08	8.97E-09	5.69E-08	8.78E-09	3.89E-09	1.21E-07
2683	490560.04	3859010.04	3.80E-04	4.39E-04	2.02E-04	1.32E-07	3.98E-07	2.30E-07	2.66E-07	2.41E-07	1.10E-07	5.05E-08	0.00E+00	0.00E+00	4.23E-08	9.02E-09	5.72E-08	8.83E-09	3.91E-09	1.21E-07
2684	490610.04	3859010.04	3.82E-04	4.42E-04	2.03E-04	1.32E-07	4.00E-07	2.31E-07	2.67E-07	2.42E-07	1.11E-07	5.08E-08	0.00E+00	0.00E+00	4.26E-08	9.07E-09	5.75E-08	8.87E-09	3.93E-09	1.22E-07
2685	490660.04	3859010.04	3.84E-04	4.43E-04	2.04E-04	1.33E-07	4.01E-07	2.32E-07	2.68E-07	2.43E-07	1.11E-07	5.10E-08	0.00E+00	0.00E+00	4.27E-08	9.11E-09	5.78E-08	8.91E-09	3.95E-09	1.22E-07
2686	490710.04	3859010.04	3.86E-04	4.45E-04	2.05E-04	1.33E-07	4.03E-07	2.33E-07	2.69E-07	2.44E-07	1.11E-07	5.12E-08	0.00E+00	0.00E+00	4.29E-08	9.14E-09	5.80E-08	8.95E-09	3.96E-09	1.23E-07
2687	490760.04	3859010.04	3.87E-04	4.46E-04	2.05E-04	1.34E-07	4.04E-07	2.34E-07	2.70E-07	2.45E-07	1.12E-07	5.13E-08	0.00E+00	0.00E+00	4.30E-08	9.17E-09	5.82E-08	8.97E-09	3.97E-09	1.23E-07
2688	490810.04	3859010.04	3.87E-04	4.47E-04	2.05E-04	1.34E-07	4.05E-07	2.34E-07	2.71E-07	2.45E-07	1.12E-07	5.14E-08	0.00E+00	0.00E+00	4.31E-08	9.19E-09	5.83E-08	8.99E-09	3.98E-09	1.24E-07
2689	490860.04	3859010.04	3.88E-04	4.48E-04	2.06E-04	1.34E-07	4.05E-07	2.35E-07	2.71E-07	2.46E-07	1.12E-07	5.15E-08	0.00E+00	0.00E+00	4.32E-08	9.20E-09	5.84E-08	9.00E-09	3.99E-09	1.24E-07
2690	490360.04	3859060.04	3.56E-04	4.10E-04	1.89E-04	1.23E-07	3.72E-07	2.15E-07	2.48E-07	2.25E-07	1.03E-07	4.73E-08	0.00E+00	0.00E+00	3.96E-08	8.43E-09	5.35E-08	8.25E-09	3.66E-09	1.13E-07
2691	490410.04	3859060.04	3.59E-04	4.14E-04	1.91E-04	1.24E-07	3.75E-07	2.17E-07	2.51E-07	2.27E-07	1.04E-07	4.77E-08	0.00E+00	0.00E+00	3.99E-08	8.50E-09	5.40E-08	8.32E-09	3.69E-09	1.14E-07
2692	490460.04	3859060.04	3.61E-04	4.17E-04	1.92E-04	1.25E-07	3.78E-07	2.19E-07	2.52E-07	2.29E-07	1.04E-07	4.80E-08	0.00E+00	0.00E+00	4.02E-08	8.56E-09	5.43E-08	8.38E-09	3.72E-09	1.15E-07
2693	490510.04	3859060.04	3.64E-04	4.20E-04	1.93E-04	1.26E-07	3.80E-07	2.20E-07	2.54E-07	2.30E-07	1.05E-07	4.83E-08	0.00E+00	0.00E+00	4.05E-08	8.62E-09	5.47E-08	8.43E-09	3.74E-09	1.16E-07
2694	490560.04	3859060.04	3.66E-04	4.22E-04	1.94E-04	1.27E-07	3.82E-07	2.21E-07	2.56E-07	2.32E-07	1.06E-07	4.86E-08	0.00E+00	0.00E+00	4.07E-08	8.67E-09	5.50E-08	8.49E-09	3.76E-09	1.17E-07
2695	490610.04	3859060.04	3.68E-04	4.25E-04	1.95E-04	1.27E-07	3.84E-07	2.22E-07	2.57E-07	2.33E-07	1.06E-07	4.89E-08	0.00E+00	0.00E+00	4.09E-08	8.72E-09	5.53E-08	8.53E-09	3.78E-09	1.17E-07
2696	490660.04	3859060.04	3.69E-04	4.27E-04	1.96E-04	1.28E-07	3.86E-07	2.24E-07	2.58E-07	2.34E-07	1.07E-07	4.91E-08	0.00E+00	0.00E+00	4.11E-08	8.76E-09	5.56E-08	8.57E-09	3.80E-09	1.18E-07
2697	490710.04	3859060.04	3.71E-04	4.28E-04	1.97E-04	1.28E-07	3.88E-07	2.24E-07	2.59E-07	2.35E-07	1.07E-07	4.93E-08	0.00E+00	0.00E+00	4.13E-08	8.80E-09	5.58E-08	8.61E-09	3.82E-09	1.18E-07
2698	490760.04	3859060.04	3.72E-04	4.30E-04	1.98E-04	1.29E-07	3.89E-07	2.25E-07	2.60E-07	2.36E-07	1.08E-07	4.94E-08	0.00E+00	0.00E+00	4.14E-08	8.83E-09	5.60E-08	8.64E-09	3.83E-09	1.19E-07
2699	490810.04	3859060.04	3.73E-04	4.31E-04	1.98E-04	1.29E-07	3.90E-07	2.26E-07	2.61E-07	2.36E-07	1.08E-07	4.96E-08	0.00E+00	0.00E+00	4.16E-08	8.85E-09	5.62E-08	8.66E-09	3.84E-09	1.19E-07
2700	490860.04	3859060.04	3.73E-04	4.31E-04	1.98E-04	1.29E-07	3.90E-07	2.26E-07	2.61E-07	2.36E-07	1.08E-07	4.96E-08	0.00E+00	0.00E+00	4.15E-08	8.85E-09	5.62E-08	8.66E-09	3.84E-09	1.19E-07
2701	490360.04	3859110.04	3.42E-04	3.94E-04	1.82E-04	1.18E-07	3.57E-07	2.07E-07	2.39E-07	2.16E-07	9.87E-08	4.55E-08	0.00E+00	0.00E+00	3.80E-08	8.10E-09	5.14E-08	7.93E-09	3.52E-09	1.09E-07
2702	490410.04	3859110.04	3.45E-04	3.98E-04	1.83E-04	1.19E-07	3.60E-07	2.08E-07	2.41E-07	2.18E-07	9.95E-08	4.59E-08	0.00E+00	0.00E+00	3.84E-08	8.17E-09	5.18E-08	7.99E-09	3.55E-09	1.10E-07
2703	490460.04	3859110.04	3.47E-04	4.00E-04	1.84E-04	1.20E-07	3.62E-07	2.10E-07	2.42E-07	2.20E-07	1.00E-07	4.61E-08	0.00E+00	0.00E+00	3.86E-08	8.22E-09	5.22E-08	8.04E-09	3.57E-09	1.11E-07
2704	490510.04	3859110.04	3.49E-04	4.03E-04	1.86E-04	1.21E-07	3.65E-07	2.11E-07	2.44E-07	2.21E-07	1.01E-07	4.65E-08	0.00E+00	0.00E+00	3.89E-08	8.28E-09	5.26E-08	8.11E-09	3.60E-09	1.11E-07
2705	490560.04	3859110.04	3.52E-04	4.06E-04	1.87E-04	1.22E-07	3.67E-07	2.13E-07	2.46E-07	2.23E-07	1.02E-07	4.67E-08	0.00E+00	0.00E+00	3.91E-08	8.33E-09	5.29E-08	8.16E-09	3.62E-09	1.12E-07
2706	490610.04	3859110.04	3.53E-04	4.08E-04	1.88E-04	1.22E-07	3.69E-07	2.14E-07	2.47E-07	2.24E-07	1.02E-07	4.70E-08	0.00E+00	0.00E+00	3.93E-08	8.38E-09	5.32E-08	8.20E-09	3.64E-09	1.13E-07
2707	490660.04	3859110.04	3.55E-04	4.10E-04	1.89E-04	1.23E-07	3.71E-07	2.15E-07	2.48E-07	2.25E-07	1.03E-07	4.72E-08	0.00E+00	0.00E+00	3.95E-08	8.42E-09	5.34E-08	8.24E-09	3.66E-09	1.13E-07
2708	490710.04	3859110.04	3.57E-04	4.12E-04	1.89E-04	1.23E-07	3.73E-07	2.16E-07	2.49E-07	2.26E-07	1.03E-07	4.74E-08	0.00E+00	0.00E+00	3.97E-08	8.46E-09	5.37E-08	8.28E-09	3.67E-09	1.14E-07
2709	490760.04	3859110.04	3.58E-04	4.13E-04	1.90E-04	1.24E-07	3.74E-07	2.17E-07	2.50E-07	2.27E-07	1.03E-07	4.76E-08	0.00E+00	0.00E+00	3.99E-08	8.49E-09	5.39E-08	8.31E-09	3.68E-09	1.14E-07
2710	490810.04	3859110.04	3.58E-04	4.14E-04	1.90E-04	1.24E-07	3.74E-07	2.17E-07	2.50E-07	2.27E-07	1.04E-07	4.76E-08	0.00E+00	0.00E+00	3.99E-08	8.50E-09	5.39E-08	8.31E-09	3.69E-09	1.14E-07
2711	490860.04	3859110.04	3.59E-04	4.14E-04	1.90E-04	1.24E-07	3.75E-07	2.17E-07	2.51E-07	2.27E-07	1.04E-07	4.77E-08	0.00E+00	0.00E+00	3.99E-08	8.51E-09	5.40E-08	8.32E-09	3.69E-09	1.14E-07
2712	490360.04	3859160.04	3.29E-04	3.79E-04	1.75E-04	1.14E-07	3.44E-07	1.99E-07	2.30E-07	2.08E-07	9.49E-08	4.38E-08	0.00E+00	0.00E+00	3.66E-08	7.79E-09	4.94E-08	7.62E-09	3.39E-09	1.05E-07
2713	490410.04	3859160.04	3.31E-04	3.82E-04	1.76E-04	1.15E-07	3.46E-07	2.00E-07	2.31E-07	2.10E-07	9.57E-08	4.41E-08	0.00E+00	0.00E+00	3.69E-08	7.85E-09	4.98E-08	7.68E-09	3.41E-09	1.06E-07
2714	490460.04	3859160.04	3.33E-04	3.85E-04	1.77E-04	1.15E-07	3.48E-07	2.02E-07	2.33E-07	2.11E-07	9.63E-08	4.44E-08	0.00E+00	0.00E+00	3.71E-08	7.90E-09	5.02E-08	7.73E-09	3.44E-09	1.06E-07
2715	490510.04	3859160.04	3.36E-04	3.87E-04	1.78E-04	1.16E-07	3.51E-07	2.03E-07	2.34E-07	2.12E-07	9.70E-08	4.47E-08	0.00E+00	0.00E+00	3.74E-08	7.96E-09	5.05E-08	7.79E-09	3.46E-09	1.07E-07
2716	490560.04	3859160.04	3.38E-04	3.90E-04	1.80E-04	1.17E-07	3.53E-07	2.04E-07	2.36E-07	2.14E-07	9.76E-08	4.49E-08	0.00E+00	0.00E+00	3.76E-08	8.01E-09	5.08E-08	7.84E-09	3.48E-09	1.08E-07
2717	490610.04	3859160.04	3.40E-04	3.92E-04	1.81E-04	1.18E-07	3.55E-07	2.06E-07	2.37E-07	2.15E-07	9.81E-08	4.52E-08	0.00E+00	0.00E+00	3.78E-08	8.05E-09	5.11E-08	7.88E-09	3.50E-09	1.08E-07
2718	490660.04	3859160.04	3.41E-04	3.94E-04	1.81E-04	1.18E-07	3.57E-07	2.07E-07	2.38E-07	2.16E-07	9.86E-08	4.54E-08	0.00E+00	0.00E+00	3.80E-08	8.09E-09	5.13E-08	7.92E-09	3.51E-09	1.09E-07
2719	490710.04	3859160.04	3.43E-04	3.96E-04	1.82E-04	1.19E-07	3.58E-07	2.07E-07	2.40E-07	2.17E-07	9.91E-08	4.56E-08	0.00E+00	0.00E+00	3.82E-08	8.13E-09	5.16E-08	7.95E-09	3.53E-09	1.09E-07
2720	490760.04	3859160.04	3.43E-04	3.96E-04	1.82E-04	1.19E-07	3.58E-07	2.07E-07	2.39E-07	2.17E-07	9.91E-08	4.56E-08	0.00E+00	0.00E+00	3.82E-08	8.13E-09	5.16E-08	7.95E-09	3.53E-09	1.09E-07
2721	490810.04	3859160.04	3.44E-04	3.97E-04	1.83E-04	1.19E-07	3.59E-07	2.08E-07	2.40E-07	2.18E-07	9.93E-08	4.57E-08	0.00E+00	0.00E+00	3.83E-08	8.15E-09	5.17E-08	7.98E-09	3.54E-09	1.10E-07
2722	490860.04	3859160.04	3.44E-04	3.98E-04	1.83E-04	1.19E-07	3.60E-07	2.08E-07	2.41E-07	2.18E-07	9.95E-08	4.58E-08	0.00E+00	0.00E+00	3.83E-08	8.17E-09	5.18E-08	7.99E-09	3.55E-09	1.10E-07
2723	490360.04	3859210.04	3.17E-04	3.65E-04	1.69E-04	1.10E-07	3.31E-07	1.92E-07	2.21E-07	2.00E-07	9.15E-08	4.22E-08	0.00E+00	0.00E+00	3.53E-08	7.51E-09	4.76E-08	7.35E-09	3.27E-09	1.01E-07

Cargo Handling and Warehouse Sources (Mitigated Residential Risk, Combined Scenario)

2724	490410.04	3859210.04	3.18E-04	3.67E-04	1.70E-04	1.10E-07	3.33E-07	1.93E-07	2.22E-07	2.02E-07	9.20E-08	4.24E-08	0.00E+00	0.00E+00	3.54E-08	7.55E-09	4.79E-08	7.38E-09	3.29E-09	1.02E-07
2725	490460.04	3859210.04	3.21E-04	3.70E-04	1.71E-04	1.11E-07	3.35E-07	1.94E-07	2.24E-07	2.03E-07	9.27E-08	4.27E-08	0.00E+00	0.00E+00	3.57E-08	7.61E-09	4.83E-08	7.44E-09	3.31E-09	1.02E-07
2726	490510.04	3859210.04	3.23E-04	3.73E-04	1.72E-04	1.12E-07	3.38E-07	1.95E-07	2.26E-07	2.04E-07	9.33E-08	4.30E-08	0.00E+00	0.00E+00	3.60E-08	7.66E-09	4.86E-08	7.49E-09	3.33E-09	1.03E-07
2727	490560.04	3859210.04	3.25E-04	3.75E-04	1.73E-04	1.12E-07	3.39E-07	1.96E-07	2.27E-07	2.06E-07	9.38E-08	4.32E-08	0.00E+00	0.00E+00	3.61E-08	7.70E-09	4.88E-08	7.53E-09	3.35E-09	1.04E-07
2728	490610.04	3859210.04	3.27E-04	3.77E-04	1.74E-04	1.13E-07	3.41E-07	1.98E-07	2.28E-07	2.07E-07	9.43E-08	4.35E-08	0.00E+00	0.00E+00	3.64E-08	7.74E-09	4.91E-08	7.58E-09	3.36E-09	1.04E-07
2729	490660.04	3859210.04	3.28E-04	3.79E-04	1.74E-04	1.14E-07	3.43E-07	1.99E-07	2.29E-07	2.08E-07	9.48E-08	4.37E-08	0.00E+00	0.00E+00	3.65E-08	7.78E-09	4.94E-08	7.61E-09	3.38E-09	1.05E-07
2730	490710.04	3859210.04	3.30E-04	3.81E-04	1.75E-04	1.14E-07	3.45E-07	1.99E-07	2.30E-07	2.09E-07	9.53E-08	4.39E-08	0.00E+00	0.00E+00	3.67E-08	7.82E-09	4.96E-08	7.65E-09	3.40E-09	1.05E-07
2731	490760.04	3859210.04	3.30E-04	3.81E-04	1.75E-04	1.14E-07	3.45E-07	1.99E-07	2.30E-07	2.09E-07	9.52E-08	4.38E-08	0.00E+00	0.00E+00	3.67E-08	7.82E-09	4.96E-08	7.65E-09	3.39E-09	1.05E-07
2732	490810.04	3859210.04	3.31E-04	3.82E-04	1.76E-04	1.15E-07	3.46E-07	2.00E-07	2.31E-07	2.10E-07	9.57E-08	4.40E-08	0.00E+00	0.00E+00	3.69E-08	7.85E-09	4.98E-08	7.68E-09	3.41E-09	1.06E-07
2733	490860.04	3859210.04	3.33E-04	3.84E-04	1.77E-04	1.15E-07	3.48E-07	2.01E-07	2.32E-07	2.11E-07	9.61E-08	4.42E-08	0.00E+00	0.00E+00	3.70E-08	7.89E-09	5.00E-08	7.72E-09	3.42E-09	1.06E-07
2734	490360.04	3859260.04	3.06E-04	3.53E-04	1.63E-04	1.06E-07	3.20E-07	1.85E-07	2.14E-07	1.94E-07	8.84E-08	4.08E-08	0.00E+00	0.00E+00	3.41E-08	7.25E-09	4.60E-08	7.10E-09	3.16E-09	9.76E-08
2735	490410.04	3859260.04	3.08E-04	3.55E-04	1.64E-04	1.06E-07	3.21E-07	1.86E-07	2.15E-07	1.95E-07	8.88E-08	4.10E-08	0.00E+00	0.00E+00	3.42E-08	7.29E-09	4.63E-08	7.13E-09	3.17E-09	9.81E-08
2736	490460.04	3859260.04	3.09E-04	3.57E-04	1.65E-04	1.07E-07	3.23E-07	1.87E-07	2.16E-07	1.96E-07	8.92E-08	4.12E-08	0.00E+00	0.00E+00	3.44E-08	7.32E-09	4.65E-08	7.17E-09	3.19E-09	9.85E-08
2737	490510.04	3859260.04	3.10E-04	3.58E-04	1.65E-04	1.07E-07	3.24E-07	1.88E-07	2.17E-07	1.96E-07	8.97E-08	4.13E-08	0.00E+00	0.00E+00	3.46E-08	7.36E-09	4.67E-08	7.20E-09	3.20E-09	9.90E-08
2738	490560.04	3859260.04	3.12E-04	3.60E-04	1.66E-04	1.08E-07	3.26E-07	1.89E-07	2.18E-07	1.98E-07	9.02E-08	4.16E-08	0.00E+00	0.00E+00	3.48E-08	7.40E-09	4.70E-08	7.24E-09	3.22E-09	9.96E-08
2739	490610.04	3859260.04	3.14E-04	3.63E-04	1.67E-04	1.09E-07	3.28E-07	1.90E-07	2.19E-07	1.99E-07	9.08E-08	4.18E-08	0.00E+00	0.00E+00	3.50E-08	7.45E-09	4.73E-08	7.29E-09	3.24E-09	1.00E-07
2740	490660.04	3859260.04	3.16E-04	3.64E-04	1.68E-04	1.09E-07	3.30E-07	1.91E-07	2.21E-07	2.00E-07	9.12E-08	4.20E-08	0.00E+00	0.00E+00	3.51E-08	7.49E-09	4.75E-08	7.33E-09	3.25E-09	1.01E-07
2741	490710.04	3859260.04	3.17E-04	3.66E-04	1.69E-04	1.10E-07	3.32E-07	1.92E-07	2.22E-07	2.01E-07	9.17E-08	4.22E-08	0.00E+00	0.00E+00	3.53E-08	7.52E-09	4.77E-08	7.36E-09	3.27E-09	1.01E-07
2742	490760.04	3859260.04	3.19E-04	3.68E-04	1.69E-04	1.10E-07	3.33E-07	1.93E-07	2.23E-07	2.02E-07	9.21E-08	4.24E-08	0.00E+00	0.00E+00	3.55E-08	7.56E-09	4.80E-08	7.40E-09	3.28E-09	1.02E-07
2743	490810.04	3859260.04	3.20E-04	3.70E-04	1.70E-04	1.11E-07	3.35E-07	1.94E-07	2.24E-07	2.03E-07	9.26E-08	4.26E-08	0.00E+00	0.00E+00	3.57E-08	7.60E-09	4.82E-08	7.43E-09	3.30E-09	1.02E-07
2744	490860.04	3859260.04	3.22E-04	3.72E-04	1.71E-04	1.11E-07	3.36E-07	1.95E-07	2.25E-07	2.04E-07	9.30E-08	4.28E-08	0.00E+00	0.00E+00	3.58E-08	7.63E-09	4.84E-08	7.47E-09	3.31E-09	1.03E-07
2745	490360.04	3859310.04	2.96E-04	3.41E-04	1.58E-04	1.02E-07	3.09E-07	1.79E-07	2.06E-07	1.87E-07	8.54E-08	3.95E-08	0.00E+00	0.00E+00	3.29E-08	7.00E-09	4.44E-08	6.85E-09	3.05E-09	9.43E-08
2746	490410.04	3859310.04	2.97E-04	3.43E-04	1.58E-04	1.03E-07	3.10E-07	1.80E-07	2.07E-07	1.88E-07	8.57E-08	3.96E-08	0.00E+00	0.00E+00	3.30E-08	7.04E-09	4.46E-08	6.88E-09	3.07E-09	9.47E-08
2747	490460.04	3859310.04	2.98E-04	3.44E-04	1.59E-04	1.03E-07	3.12E-07	1.80E-07	2.08E-07	1.89E-07	8.61E-08	3.97E-08	0.00E+00	0.00E+00	3.32E-08	7.06E-09	4.48E-08	6.91E-09	3.08E-09	9.51E-08
2748	490510.04	3859310.04	2.99E-04	3.45E-04	1.59E-04	1.04E-07	3.13E-07	1.81E-07	2.09E-07	1.89E-07	8.64E-08	3.99E-08	0.00E+00	0.00E+00	3.33E-08	7.09E-09	4.50E-08	6.94E-09	3.09E-09	9.54E-08
2749	490560.04	3859310.04	3.01E-04	3.47E-04	1.60E-04	1.04E-07	3.14E-07	1.82E-07	2.10E-07	1.90E-07	8.68E-08	4.01E-08	0.00E+00	0.00E+00	3.35E-08	7.13E-09	4.52E-08	6.97E-09	3.10E-09	9.59E-08
2750	490610.04	3859310.04	3.02E-04	3.49E-04	1.61E-04	1.05E-07	3.16E-07	1.83E-07	2.11E-07	1.91E-07	8.72E-08	4.02E-08	0.00E+00	0.00E+00	3.36E-08	7.16E-09	4.54E-08	7.00E-09	3.11E-09	9.63E-08
2751	490660.04	3859310.04	3.04E-04	3.50E-04	1.62E-04	1.05E-07	3.17E-07	1.84E-07	2.12E-07	1.92E-07	8.77E-08	4.04E-08	0.00E+00	0.00E+00	3.38E-08	7.20E-09	4.57E-08	7.04E-09	3.13E-09	9.68E-08
2752	490710.04	3859310.04	3.06E-04	3.53E-04	1.62E-04	1.06E-07	3.19E-07	1.85E-07	2.13E-07	1.93E-07	8.83E-08	4.07E-08	0.00E+00	0.00E+00	3.40E-08	7.24E-09	4.60E-08	7.09E-09	3.15E-09	9.75E-08
2753	490760.04	3859310.04	3.07E-04	3.54E-04	1.63E-04	1.06E-07	3.21E-07	1.86E-07	2.14E-07	1.94E-07	8.87E-08	4.09E-08	0.00E+00	0.00E+00	3.42E-08	7.28E-09	4.62E-08	7.12E-09	3.16E-09	9.80E-08
2754	490810.04	3859310.04	3.09E-04	3.56E-04	1.64E-04	1.07E-07	3.23E-07	1.87E-07	2.16E-07	1.95E-07	8.92E-08	4.10E-08	0.00E+00	0.00E+00	3.43E-08	7.32E-09	4.64E-08	7.16E-09	3.18E-09	9.84E-08
2755	490860.04	3859310.04	3.10E-04	3.58E-04	1.65E-04	1.07E-07	3.24E-07	1.88E-07	2.17E-07	1.96E-07	8.96E-08	4.12E-08	0.00E+00	0.00E+00	3.45E-08	7.35E-09	4.66E-08	7.19E-09	3.19E-09	9.89E-08
2756	490360.04	3859360.04	2.86E-04	3.30E-04	1.53E-04	9.90E-08	2.99E-07	1.73E-07	2.00E-07	1.81E-07	8.26E-08	3.82E-08	0.00E+00	0.00E+00	3.18E-08	6.78E-09	4.30E-08	6.63E-09	2.96E-09	9.12E-08
2757	490410.04	3859360.04	2.87E-04	3.31E-04	1.53E-04	9.92E-08	3.00E-07	1.73E-07	2.00E-07	1.81E-07	8.28E-08	3.83E-08	0.00E+00	0.00E+00	3.19E-08	6.79E-09	4.31E-08	6.65E-09	2.96E-09	9.14E-08
2758	490460.04	3859360.04	2.87E-04	3.32E-04	1.53E-04	9.95E-08	3.00E-07	1.74E-07	2.01E-07	1.82E-07	8.30E-08	3.84E-08	0.00E+00	0.00E+00	3.20E-08	6.81E-09	4.32E-08	6.67E-09	2.97E-09	9.17E-08
2759	490510.04	3859360.04	2.88E-04	3.33E-04	1.54E-04	9.99E-08	3.02E-07	1.75E-07	2.01E-07	1.83E-07	8.33E-08	3.85E-08	0.00E+00	0.00E+00	3.21E-08	6.84E-09	4.34E-08	6.69E-09	2.98E-09	9.20E-08
2760	490560.04	3859360.04	2.90E-04	3.34E-04	1.54E-04	1.00E-07	3.03E-07	1.75E-07	2.02E-07	1.83E-07	8.37E-08	3.86E-08	0.00E+00	0.00E+00	3.23E-08	6.87E-09	4.36E-08	6.72E-09	2.99E-09	9.24E-08
2761	490610.04	3859360.04	2.91E-04	3.36E-04	1.55E-04	1.01E-07	3.04E-07	1.76E-07	2.03E-07	1.84E-07	8.41E-08	3.88E-08	0.00E+00	0.00E+00	3.24E-08	6.90E-09	4.38E-08	6.76E-09	3.00E-09	9.29E-08
2762	490660.04	3859360.04	2.93E-04	3.38E-04	1.56E-04	1.01E-07	3.06E-07	1.77E-07	2.04E-07	1.85E-07	8.45E-08	3.90E-08	0.00E+00	0.00E+00	3.26E-08	6.94E-09	4.40E-08	6.79E-09	3.02E-09	9.33E-08
2763	490710.04	3859360.04	2.94E-04	3.40E-04	1.57E-04	1.02E-07	3.08E-07	1.78E-07	2.05E-07	1.86E-07	8.50E-08	3.92E-08	0.00E+00	0.00E+00	3.27E-08	6.97E-09	4.43E-08	6.82E-09	3.03E-09	9.38E-08
2764	490760.04	3859360.04	2.96E-04	3.41E-04	1.57E-04	1.02E-07	3.09E-07	1.79E-07	2.07E-07	1.87E-07	8.55E-08	3.94E-08	0.00E+00	0.00E+00	3.29E-08	7.01E-09	4.45E-08	6.86E-09	3.05E-09	9.44E-08
2765	490810.04	3859360.04	2.97E-04	3.43E-04	1.58E-04	1.03E-07	3.11E-07	1.80E-07	2.08E-07	1.88E-07	8.59E-08	3.95E-08	0.00E+00	0.00E+00	3.31E-08	7.05E-09	4.47E-08	6.89E-09	3.06E-09	9.48E-08
2766	490860.04	3859360.04	2.99E-04	3.45E-04	1.59E-04	1.03E-07	3.12E-07	1.81E-07	2.09E-07	1.89E-07	8.63E-08	3.97E-08	0.00E+00	0.00E+00	3.32E-08	7.08E-09	4.49E-08	6.93E-09	3.08E-09	9.53E-08
2767	490360.04	3859410.04	2.77E-04	3.19E-04	1.48E-04	9.59E-08	2.89E-07	1.68E-07	1.93E-07	1.75E-07	8.00E-08	3.70E-08	0.00E+00	0.00E+00	3.08E-08	6.56E-09	4.16E-08	6.42E-09	2.87E-09	8.83E-08
2768	490410.04	3859410.04	2.77E-04	3.20E-04	1.48E-04	9.60E-08	2.90E-07	1.68E-07	1.94E-07	1.75E-07	8.01E-08	3.70E-08	0.00E+00	0.00E+00	3.09E-08	6.57E-09	4.17E-08	6.43E-09	2.87E-09	8.84E-08
2769	490460.04	3859410.04	2.78E-04	3.21E-04	1.48E-04	9.62E-08	2.91E-07	1.68E-07	1.94E-07	1.76E-07	8.03E-08	3.71E-08	0.00E+00	0.00E+00	3.09E-08	6.59E-09	4.18E-08	6.44E-09	2.87E-09	8.86E-08
2770	490510.04	3859410.04	2.79E-04	3.22E-04	1.49E-04	9.65E-08	2.91E-07	1.69E-07	1.95E-07	1.76E-07	8.05E-08	3.72E-08	0.00E+00	0.00E+00	3.10E-08	6.61E-09	4.19E-08	6.46E-09	2.88E-09	8.89E-08
2771	490560.04	3859410.04	2.80E-04	3.23E-04	1.49E-04	9.68E-08	2.92E-07	1.69E-07	1.95E-07	1.77E-07	8.08E-08	3.73E-08	0.00E+00	0.00E+00	3.11E-08	6.63E-09	4.21E-08	6.49E-09	2.89E-09	8.92E-08
2772	490610.04	3859410.04	2.81E-04	3.24E-04	1.50E-04	9.72E-08	2.93E-07	1.70E-07	1.96E-07	1.78E-07	8.11E-08	3.74E-08	0.00E+00	0.00E+00	3.12E-08	6.65E-09	4.22E-08	6.51E-09	2.90E-09	8.95E-08
2773	490660.04	3859410.04	2.82E-04	3.26E-04	1.50E-04	9.77E-08	2.95E-07	1.71E-07	1.97E-07	1.79E-07	8.15E-08	3.76E-08	0.00E+00	0.00E+00	3.14E-08	6.69E-09	4.24E-08	6.54E-09	2.91E-09	9.00E-08
2774	490710.04	3859410.04	2.84E-04	3.27E-04	1.51E-04	9.82E-08	2.96E-07	1.72E-07	1.98E-07	1.79E-07	8.19E-08	3.78E-08	0.00E+00	0.00E+00	3.16E-08	6.72E-09	4.26E-08	6.58E-09	2.92E-09	9.04E-08
2775	490760.04	3859410.04	2.85E-04	3.29E-04	1.52E-04	9.87E-08	2.98E-07	1.73E-07	1.99E-07	1.81E-07	8.24E-08	3.80E-08	0.00E+00	0.00E+00	3.17E-08	6.76E-09	4.29E-08	6.61E-09	2.94E-09	9.09E-08
2776	490810.04	3859410.04	2.86E-04	3.31E-04	1.52E-04	9.91E-08	2.99E-07	1.73E-07	2.00E-07	1.81E-07	8.27E-08	3.81E-08	0.00E+00	0.00E+00	3.19E-08	6.79E-09	4.31E-08	6.64E-09	2.95E-09	9.13E-08
2777	490860.04	3859410.04	2.88E-04	3.32E-04	1.53E-04	9.95E-08	3.01E-07	1.74E-07	2.01E-07	1.82E-07	8.31E-08	3.83E-08	0.00E+00	0.00E+00	3.20E-08	6.82E-09	4.33E-08	6.67E-09	2.96E-09	9.17E-08
2778	490360.04	3859460.04	2.69E-04	3.10E-04	1.44E-04	9.30E-08	2.81E-07	1.63E-07	1.88E-07	1.70E-07	7.76E-08	3.59E-08	0.00E+00	0.00E+00	2.99E-08	6.37E-09	4.04E-08	6.23E-09	2.78E-09	8.57E-08
2779	490410.04	3859460.04	2.69E-04	3.10E-04	1.44E-04	9.32E-08	2.81E-07	1.63E-07	1.88E-07	1.70E-07	7.77E-08	3.60E-08	0.00E+00	0.00E+00	3.00E-08	6.38E-09	4.05E-08	6.24E-09	2.78E-09	8.58E-08
2780	490460.04	3859460.04	2.69E-04	3.11E-04	1.44E-04	9.33E-08	2.82E-07	1.63E-07	1.88E-07	1.70E-07	7.78E-08	3.60E-08	0.00E+00	0.00E+00	3.00E-08	6.38E-09	4.05E-08	6.25E-09	2.79E-09	8.59E-08
2781	490510.04	3859460.04	2.70E-04	3.11E-04	1.44E-04	9.34E-08	2.82E-07	1.63E-07	1.88E-07	1.71E-07	7.79E-08	3.60E-08	0.00E+00	0.00E+00	3.00E-08	6.40E-09	4.06E-08	6.26E-09	2.79E-09	8.61E-08
2782	490560.04	3859460.04	2.71E-04	3.12E-04	1.44E-04	9.36E-08	2.83E-07	1.64E-07	1.89E-07	1.71E-07	7.81E-08	3.61E-08	0.00E+00	0.00E+00	3.01E-08	6.41E-09	4.07E-08	6.27E-09	2.80E-09	8.63E-08
2783	490610.04	3859460.04	2.71E-04	3.13E-04	1.45E-04	9.40E-08	2.84E-07	1.64E-07	1.90E-07	1.72E-07	7.84E-08	3.62E-08	0.00E+00	0.00E+00	3.02E-08	6.43E-09	4.08E-08	6.29E-09	2.80E-09	8.66E-08
2784	490660.04	3859460.04	2.73E-04	3.15E-04	1.45E-04	9.43E-08	2.85E-07	1.65E-07	1.90E-07	1.73E-07	7.87E-08	3.63E-08	0.00E+00	0.00E+00	3.03E-08	6.46E-09	4.10E-08	6.32E-09	2.81E-09	8.69E-08
2785	490710.04	3859460.04	2.73E-04	3.16E-04	1.46E-04	9.47E-08	2.86E-07	1.65E-07	1.91E-07	1.73E-07	7.90E-08	3.64E-08	0.00E+00	0.00E+00	3.04E-08	6.48E-09	4.11E-08	6.34E-09	2.82E-09	8.72E-08
2786	490760.04	3859460.04	2.75E-04	3.17E-04	1.46E-04	9.51E-08	2.87E-07	1.66E-07	1.92E-07	1.74E-07	7.94E-08	3.66E-08	0.00E+00	0.00E+00	3.06E-08	6.51E-09	4.13E-08	6.37E-09	2.83E-09	8.76E-08
2787	490810.04	3859460.04	2.76E-04	3.19E-04	1.47E-04	9.56E-08	2.89E-07	1.67E-07	1.93E-07	1.75E-07	7.97E-08	3.68E-08	0.00E+00	0.00E+00	3.07E-08	6.54E-09	4.15E-08	6.40E-09	2.85E-09	8.80E-08
2788	490860.04	3859460.04	2.77E-04	3.20E-04	1.47E-04	9.59E-08	2.90E-07	1.68E-07	1.94E-07	1.75E-07	8.01E-08	3.69E-08	0.00E+00	0.00E+00	3.09E-08	6.57E-09	4.17E-08	6.43E-09	2.86E-09	8.84E-08
2789	490360.04	3859510.04	2.61E-04	3.02E-04	1.40E-04	9.05E-08	2.73E-07	1.58E-07	1.82E-07	1.65E-07	7.55E-08	3.50E-08	0.00E+00	0.00E+00	2.91E-08	6.19E-09	3.93E-08	6.06E-09	2.71E-09	8.34E-08
2790	490410.04	3859510.04	2.61E-04	3.01E-04	1.40E-04	9.05E-08	2.73E-07	1.58E-07	1.82E-07	1.65E-07	7.54E-08	3.49E-08	0.00E+00	0.00E+00	2.91E-08	6.19E-09	3.93E-08	6.06E-09	2.71E-09	8.33E-08
2791	490460.04	3859510.04	2.61E-04	3.02E-04	1.40E-04	9.05E-08	2.73E-07	1.58E-07	1.83E-07	1.65E-07	7.55E-08	3.49E-08	0.00E+00	0.00E+00	2.91E-08	6.20E-09	3.93E-08	6.06E-09	2.71E-09	8.34E-08
2792	490510.04	3859510.04	2.62E-04	3.02E-04	1.40E-04	9.06E-08	2.74E-07	1.58E-07	1.83E-07	1.66E-07	7.56E-08	3.50E-08	0.00E+00	0.00E+00	2.91E-08	6.20E-09	3.94E-08	6.07E-09	2.71E-09	8.35E-08
2793	490560.04	3859510.04	2.62E-04	3.02E-04	1.40E-04	9.08E-08	2.74E-07	1.59E-07	1.83E-07	1.66E-07	7.57E-08	3.50E-08	0.00E+00	0.00E+00	2.92E-08	6.21E-09	3.94E-08	6.08E-09	2.71E-09	8.36E-08
2794	490610.04	3859510.04	2.63E-04	3.03E-04	1.40E-04	9.10E-08	2.75E-07	1.59E-07	1.84E-07	1.66E-07	7.59E-08	3.51E-08	0.00E+00	0.00E+00	2.93E-08	6.23E-09	3.95E-08	6.10E-09	2.72E-09	8.38E-08
2795	490660.04	3859510.04	2.64E-04	3.04E-04	1.40E-04	9.13E-08	2.76E-07	1.60E-07	1.84E-07	1.67E-07	7.61E-08	3.52E-08	0.00E+00	0.00E+00	2.93E-08	6.25E-09	3.96E-08	6.11E-09	2.72E-09	8.41E-08
2796	490710.04	3859510.04	2.65E-04	3.05E-04	1.41E-04	9.16E-08	2.76E-07	1.60E-07	1.85E-07	1.67E-07	7.64E-08	3.53E-08	0.00E+00	0.00E+00	2.94E-08	6.27E-09	3.98E-08	6.13E-09	2.73E-09	8.44E-08
2797	490760.04	3859510.04	2.65E-04	3.06E-04	1.41E-04	9.19E-08	2.77E-07	1.61E-07	1.85E-07	1.68E-07	7.67E-08	3.54E-08	0.00E+00	0.00E+00	2.96E-08	6.29E-09	3.99E-08	6.16E-09	2.74E-09	8.47E-08
2798	490810.04	3859510.04	2.66E-04	3.07E-04	1.42E-04	9.22E-08	2.78E-07	1.61E-07	1.86E-07	1.69E-07	7.70E-08	3.55E-08	0.00E+00	0.00E+00	2.97E-08	6.32E-09	4.01E-08	6.18E-09	2.75E-09	8.50E-08
2799	490860.04	3859510.04	2.68E-04	3.09E-04	1.42E-04	9.26E-08	2.80E-07	1.62E-07	1.87E-07	1.69E-07	7.73E-08	3.56E-08	0.00E+00	0.00E+00	2.98E-08	6.34E-09	4.02E-08	6.21E-09	2.76E-09	8.53E-08
2800	490360.04	3859560.04	2.55E-04	2.94E-04	1.36E-04	8.81E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.35E-08	3.41E-08	0.00E+00	0.00E+00	2.83E-08	6.03E-09	3.83E-08	5.90E-09	2.64E-09	8.12E-08
2801	490410.04	3859560.04	2.54E-04	2.93E-04	1.36E-04	8.80E-08	2.66E-07	1.54E-07	1.77E-07	1.61E-07	7.34E-08	3.40E-08	0.00E+00	0.00E+00	2.83E-08	6.02E-09	3.82E-08	5.89E-09	2.63E-09	8.11E-08
2802	490460.04	3859560.04	2.54E-04	2.93E-04	1.36E-04	8.80E-08	2.66E-07	1.54E-07	1.77E-07	1.61E-07	7.34E-08	3.40E-08	0.00E+00	0.00E+00	2.83E-08	6.02E-09	3.82E-08	5.89E-09	2.63E-09	8.10E-08
2803	490510.04	3859560.04	2.54E-04	2.93E-04	1.36E-04	8.81E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.34E-08	3.40E-08	0.00E+00	0.00E+00	2.83E-08	6.03E-09	3.82E-08	5.90E-09	2.63E-09	8.11E-08
2804	490560.04	3859560.04	2.54E-04	2.94E-04	1.36E-04	8.81E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.35E-08	3.40E-08	0.00E+00	0.00E+00	2.83E-08	6.03E-09	3.83E-08	5.90E-09	2.63E-09	8.11E-08
2805	490610.04	3859560.04	2.55E-04	2.94E-04	1.36E-04	8.82E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.36E-08	3.40E-08	0.00E+00	0.00E+00	2.84E-08	6.04E-09	3.83E-08	5.91E-09	2.63E-09	8.13E-08
2806	490660.04	3859560.04	2.55E-04	2.95E-04	1.36E-04	8.84E-08	2.67E-07	1.55E-07	1.78E-07	1.62E-07	7.38E-08	3.41E-08	0.00E+00	0.00E+00	2.84E-08	6.05E-09	3.84E-08	5.92E-09	2.64E-09	8.14E-08
2807	490710.04	3859560.04	2.56E-04	2.96E-04	1.36E-04	8.87E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.40E-08	3.42E-08	0.00E+00	0.00E+00	2.85E-08	6.07E-09	3.85E-08	5.94E-09	2.64E-09	8.17E-08
2808	490760.04	3859560.04	2.57E-04	2.97E-04	1.37E-04	8.90E-08	2.69E-07	1.56E-07	1.79E-07	1.63E-07	7.42E-08	3.43E-08	0.00E+00	0.00E+00	2.86E-08	6.09E-09	3.87E-08	5.96E-09	2.65E-09	8.20E-08
2809	490810.04	3859560.04	2.58E-04	2.98E-04	1.37E-04	8.93E-08	2.70E-07	1.56E-07	1.80E-07	1.63E-07	7.45E-08	3.44E-08	0.00E+00	0.00E+00	2.87E-08	6.11E-09	3.88E-08	5.98E-09	2.66E-09	8.23E-08
2810	490860.04	3859560.04	2.59E-04	2.99E-04	1.38E-04	8.96E-08	2.71E-07	1.57E-07	1.81E-07	1.64E-07	7.48E-08	3.45E-08	0.00E+00	0.00E+00	2.88E-08	6.14E-09	3.89E-08	6.00E-09	2.67E-09	8.26E-08
2811	490187.25	3859422.08	2.75E-04	3.17E-04	1.47E-04	9.52E-08	2.87E-07	1.66E-07	1.92E-07	1.74E-07	7.94E-08	3.68E-08	0.00E+00	0.00E+00	3.06E-08	6.51E-09	4.13E-08	6.37E-09	2.85E-09	8.77E-08
2812	490237.25	3859422.08	2.75E-04	3.17E-04	1.47E-04	9.51E-08	2.87E-07	1.66E-07	1.92E-07	1.74E-07	7.93E-08	3.68E-08	0.00E+00	0.00E+00	3.06E-08	6.51E-09	4.13E-08	6.37E-09	2.85E-09	8.76E-08
2813	490287.25	3859422.08	2.75E-04	3.17E-04	1.47E-04	9.51E-08	2.87E-07	1.66E-07	1.92E-07	1.74E-07	7.93E-08	3.67E-08	0.00E+00	0.00E+00	3.06E-08	6.50E-09	4.13E-08	6.37E-09	2.84E-09	8.76E-08
2814	490337.25	3859422.08	2.75E-04	3.17E-04	1.47E-04	9.51E-08	2.87E-07	1.66E-07	1.92E-07	1.74E-07	7.93E-08	3.67E-08	0.00E+00	0.00E+00	3.06E-08	6.51E-09	4.13E-08	6.37E-09	2.84E-09	8.76E-08
2815	490187.25	3859472.08	2.68E-04	3.09E-04	1.44E-04	9.28E-08	2.80E-07	1.62E-07	1.87E-07	1.70E-07	7.74E-08	3.59E-08	0.00E+00	0.00E+00	2.99E-08	6.35E-09	4.03E-08	6.22E-09	2.78E-09	8.55E-08
2816	490237.25	3859472.08	2.68E-04	3.09E-04	1.43E-04	9.26E-08	2.80E-07	1.62E-07	1.87E-07	1.69E-07	7.72E-08	3.58E-08	0.00E+00	0.00E+00	2.98E-08	6.34E-09	4.02E-08	6.20E-09	2.77E-09	8.53E-08
2817	490287.25	3859472.08	2.67E-04	3.08E-04	1.43E-04	9.25E-08	2.79E-07	1.62E-07	1.87E-07	1.69E-07	7.72E-08	3.58E-08	0.00E+00	0.00E+00	2.98E-08	6.33E-09	4.02E-08	6.20E-09	2.77E-09	8.52E-08
2818	490337.25	3859472.08	2.67E-04	3.08E-04	1.43E-04	9.24E-08	2.79E-07	1.62E-07	1.86E-07	1.69E-07	7.71E-08	3.57E-08	0.00E+00	0.00E+00	2.97E-08	6.32E-09	4.01E-08	6.19E-09	2.77E-09	8.51E-08
2819	490297.07	3859500.42	2.63E-04	3.04E-04	1.41E-04	9.11E-08	2.75E-07	1.59E-07	1.84E-07	1.67E-07	7.60E-08	3.52E-08	0.00E+00	0.00E+00	2.93E-08	6.24E-09	3.96E-08	6.10E-09	2.73E-09	8.39E-08
2820	490327.07	3859500.42	2.63E-04	3.03E-04	1.40E-04	9.10E-08	2.75E-07	1.59E-07	1.83E-07	1.66E-07	7.59E-08	3.52E-08	0.00E+00	0.00E+00	2.93E-08	6.23E-09	3.95E-08	6.09E-09	2.72E-09	8.38E-08
2821	490297.07	3859530.42	2.59E-04	2.99E-04	1.39E-04	8.97E-08	2.71E-07	1.57E-07	1.81E-07	1.64E-07	7.48E-08	3.47E-08	0.00E+00	0.00E+00	2.88E-08	6.13E-09	3.89E-08	6.00E-09	2.68E-09	8.26E-08
2822	490327.07	3859530.42	2.59E-04	2.98E-04	1.38E-04	8.96E-08	2.70E-07	1.57E-07	1.81E-07	1.64E-07	7.47E-08	3.46E-08	0.00E+00	0.00E+00	2.88E-08	6.13E-09	3.89E-08	6.00E-09	2.68E-09	8.25E-08
2823	490319.73	3859055.34	3.54E-04	4.09E-04	1.88E-04	1.23E-07	3.70E-07	2.14E-07	2.47E-07	2.24E-07	1.02E-07	4.72E-08	0.00E+00	0.00E+00	3.94E-08	8.40E-09	5.33E-08	8.22E-09	3.65E-09	1.13E-07
2824	490319.73	3859105.34	3.41E-04	3.93E-04	1.81E-04	1.18E-07	3.56E-07	2.06E-07	2.38E-07	2.16E-07	9.84E-08	4.54E-08	0.00E+00	0.00E+00	3.79E-08	8.08E-09	5.13E-08	7.90E-09	3.51E-09	1.09E-07
2825	490069.73	3859155.34	3.21E-04	3.71E-04	1.72E-04	1.11E-07	3.36E-07	1.95E-07	2.24E-07	2.03E-07	9.28E-08	4.29E-08	0.00E+00	0.00E+00	3.58E-08	7.62E-09	4.83E-08	7.45E-09	3.32E-09	1.03E-07
2826	490119.73	3859155.34	3.22E-04	3.72E-04	1.72E-04	1.11E-07	3.37E-07	1.95E-07	2.25E-07	2.04E-07	9.30E-08	4.30E-08	0.00E+00	0.00E+00	3.59E-08	7.63E-09	4.84E-08	7.47E-09	3.33E-09	1.03E-07
2827	490269.73	3859155.34	3.26E-04	3.76E-04	1.73E-04	1.13E-07	3.40E-07	1.97E-07	2.27E-07	2.06E-07	9.40E-08	4.34E-08	0.00E+00	0.00E+00	3.62E-08	7.72E-09	4.90E-08	7.55E-09	3.36E-09	1.04E-07
2828	490319.73	3859155.34	3.28E-04	3.78E-04	1.75E-04	1.13E-07	3.43E-07	1.98E-07	2.29E-07	2.08E-07	9.47E-08	4.37E-08	0.00E+00	0.00E+00	3.65E-08	7.77E-09	4.93E-08	7.60E-09	3.38E-09	1.05E-07

2829	490069.73	3859205.34	3.11E-04	3.59E-04	1.66E-04	1.08E-07	3.25E-07	1.88E-07	2.17E-07	1.97E-07	8.98E-08	4.16E-08	0.00E+00	0.00E+00	3.46E-08	7.37E-09	4.67E-08	7.21E-09	3.22E-09	9.92E-08
2830	490119.73	3859205.34	3.11E-04	3.59E-04	1.66E-04	1.08E-07	3.25E-07	1.88E-07	2.17E-07	1.97E-07	8.97E-08	4.15E-08	0.00E+00	0.00E+00	3.46E-08	7.36E-09	4.67E-08	7.20E-09	3.22E-09	9.91E-08
2831	490169.73	3859205.34	3.11E-04	3.59E-04	1.66E-04	1.08E-07	3.25E-07	1.88E-07	2.17E-07	1.97E-07	8.99E-08	4.16E-08	0.00E+00	0.00E+00	3.47E-08	7.38E-09	4.68E-08	7.22E-09	3.22E-09	9.93E-08
2832	490219.73	3859205.34	3.13E-04	3.61E-04	1.67E-04	1.08E-07	3.27E-07	1.89E-07	2.18E-07	1.98E-07	9.03E-08	4.18E-08	0.00E+00	0.00E+00	3.48E-08	7.41E-09	4.70E-08	7.25E-09	3.23E-09	9.98E-08
2833	490269.73	3859205.34	3.15E-04	3.63E-04	1.68E-04	1.09E-07	3.29E-07	1.91E-07	2.20E-07	1.99E-07	9.09E-08	4.20E-08	0.00E+00	0.00E+00	3.50E-08	7.46E-09	4.73E-08	7.30E-09	3.25E-09	1.00E-07
2834	490319.73	3859205.34	3.16E-04	3.65E-04	1.69E-04	1.09E-07	3.31E-07	1.91E-07	2.21E-07	2.00E-07	9.13E-08	4.22E-08	0.00E+00	0.00E+00	3.52E-08	7.50E-09	4.76E-08	7.33E-09	3.27E-09	1.01E-07
2835	490069.73	3859255.34	3.02E-04	3.48E-04	1.61E-04	1.05E-07	3.16E-07	1.83E-07	2.11E-07	1.91E-07	8.72E-08	4.04E-08	0.00E+00	0.00E+00	3.36E-08	7.16E-09	4.54E-08	7.00E-09	3.13E-09	9.63E-08
2836	490119.73	3859255.34	3.02E-04	3.48E-04	1.61E-04	1.04E-07	3.15E-07	1.83E-07	2.11E-07	1.91E-07	8.71E-08	4.03E-08	0.00E+00	0.00E+00	3.36E-08	7.15E-09	4.53E-08	6.99E-09	3.12E-09	9.62E-08
2837	490169.73	3859255.34	3.02E-04	3.48E-04	1.61E-04	1.04E-07	3.15E-07	1.83E-07	2.11E-07	1.91E-07	8.71E-08	4.03E-08	0.00E+00	0.00E+00	3.36E-08	7.15E-09	4.54E-08	7.00E-09	3.12E-09	9.63E-08
2838	490219.73	3859255.34	3.03E-04	3.49E-04	1.62E-04	1.05E-07	3.17E-07	1.83E-07	2.11E-07	1.92E-07	8.74E-08	4.04E-08	0.00E+00	0.00E+00	3.37E-08	7.18E-09	4.55E-08	7.02E-09	3.13E-09	9.66E-08
2839	490269.73	3859255.34	3.04E-04	3.51E-04	1.62E-04	1.05E-07	3.18E-07	1.84E-07	2.12E-07	1.92E-07	8.78E-08	4.06E-08	0.00E+00	0.00E+00	3.39E-08	7.21E-09	4.57E-08	7.05E-09	3.14E-09	9.70E-08
2840	490319.73	3859255.34	3.05E-04	3.52E-04	1.63E-04	1.06E-07	3.19E-07	1.85E-07	2.13E-07	1.93E-07	8.82E-08	4.07E-08	0.00E+00	0.00E+00	3.40E-08	7.24E-09	4.59E-08	7.08E-09	3.15E-09	9.74E-08
2841	490069.73	3859305.34	2.94E-04	3.39E-04	1.57E-04	1.02E-07	3.07E-07	1.78E-07	2.05E-07	1.86E-07	8.49E-08	3.94E-08	0.00E+00	0.00E+00	3.27E-08	6.96E-09	4.42E-08	6.82E-09	3.05E-09	9.38E-08
2842	490119.73	3859305.34	2.93E-04	3.38E-04	1.57E-04	1.01E-07	3.06E-07	1.77E-07	2.05E-07	1.85E-07	8.46E-08	3.92E-08	0.00E+00	0.00E+00	3.26E-08	6.94E-09	4.41E-08	6.80E-09	3.04E-09	9.35E-08
2843	490169.73	3859305.34	2.93E-04	3.38E-04	1.57E-04	1.01E-07	3.06E-07	1.77E-07	2.05E-07	1.85E-07	8.46E-08	3.92E-08	0.00E+00	0.00E+00	3.26E-08	6.94E-09	4.40E-08	6.79E-09	3.03E-09	9.34E-08
2844	490219.73	3859305.34	2.94E-04	3.39E-04	1.57E-04	1.02E-07	3.07E-07	1.78E-07	2.05E-07	1.86E-07	8.47E-08	3.92E-08	0.00E+00	0.00E+00	3.27E-08	6.95E-09	4.41E-08	6.80E-09	3.04E-09	9.36E-08
2845	490269.73	3859305.34	2.94E-04	3.39E-04	1.57E-04	1.02E-07	3.08E-07	1.78E-07	2.05E-07	1.86E-07	8.50E-08	3.93E-08	0.00E+00	0.00E+00	3.28E-08	6.97E-09	4.42E-08	6.82E-09	3.04E-09	9.38E-08
2846	490319.73	3859305.34	2.95E-04	3.41E-04	1.58E-04	1.02E-07	3.09E-07	1.79E-07	2.06E-07	1.87E-07	8.53E-08	3.94E-08	0.00E+00	0.00E+00	3.29E-08	7.00E-09	4.44E-08	6.85E-09	3.05E-09	9.42E-08
2847	490069.73	3859355.34	2.86E-04	3.30E-04	1.53E-04	9.91E-08	2.99E-07	1.73E-07	2.00E-07	1.81E-07	8.26E-08	3.83E-08	0.00E+00	0.00E+00	3.19E-08	6.78E-09	4.30E-08	6.64E-09	2.97E-09	9.13E-08
2848	490119.73	3859355.34	2.85E-04	3.29E-04	1.53E-04	9.87E-08	2.98E-07	1.73E-07	1.99E-07	1.80E-07	8.23E-08	3.82E-08	0.00E+00	0.00E+00	3.17E-08	6.76E-09	4.29E-08	6.61E-09	2.96E-09	9.09E-08
2849	490169.73	3859355.34	2.85E-04	3.28E-04	1.52E-04	9.86E-08	2.98E-07	1.72E-07	1.99E-07	1.80E-07	8.22E-08	3.81E-08	0.00E+00	0.00E+00	3.17E-08	6.75E-09	4.28E-08	6.60E-09	2.95E-09	9.08E-08
2850	490219.73	3859355.34	2.85E-04	3.29E-04	1.52E-04	9.87E-08	2.98E-07	1.72E-07	1.99E-07	1.80E-07	8.23E-08	3.81E-08	0.00E+00	0.00E+00	3.17E-08	6.75E-09	4.28E-08	6.61E-09	2.95E-09	9.09E-08
2851	490269.73	3859355.34	2.85E-04	3.29E-04	1.52E-04	9.88E-08	2.98E-07	1.73E-07	1.99E-07	1.81E-07	8.24E-08	3.81E-08	0.00E+00	0.00E+00	3.18E-08	6.76E-09	4.29E-08	6.61E-09	2.95E-09	9.10E-08
2852	490319.73	3859355.34	2.86E-04	3.30E-04	1.53E-04	9.90E-08	2.99E-07	1.73E-07	2.00E-07	1.81E-07	8.26E-08	3.82E-08	0.00E+00	0.00E+00	3.18E-08	6.78E-09	4.30E-08	6.63E-09	2.96E-09	9.12E-08
2853	490069.73	3859405.34	2.79E-04	3.22E-04	1.50E-04	9.67E-08	2.92E-07	1.69E-07	1.95E-07	1.77E-07	8.06E-08	3.74E-08	0.00E+00	0.00E+00	3.11E-08	6.61E-09	4.20E-08	6.47E-09	2.90E-09	8.90E-08
2854	490119.73	3859405.34	2.78E-04	3.21E-04	1.49E-04	9.63E-08	2.91E-07	1.68E-07	1.94E-07	1.76E-07	8.02E-08	3.72E-08	0.00E+00	0.00E+00	3.10E-08	6.59E-09	4.18E-08	6.44E-09	2.88E-09	8.87E-08
2855	490169.73	3859405.34	2.77E-04	3.20E-04	1.48E-04	9.60E-08	2.90E-07	1.68E-07	1.94E-07	1.75E-07	8.01E-08	3.71E-08	0.00E+00	0.00E+00	3.09E-08	6.57E-09	4.17E-08	6.43E-09	2.88E-09	8.85E-08
2856	490219.73	3859405.34	2.77E-04	3.20E-04	1.48E-04	9.59E-08	2.90E-07	1.68E-07	1.93E-07	1.75E-07	8.00E-08	3.71E-08	0.00E+00	0.00E+00	3.08E-08	6.56E-09	4.17E-08	6.42E-09	2.87E-09	8.84E-08
2857	490269.73	3859405.34	2.77E-04	3.20E-04	1.48E-04	9.60E-08	2.90E-07	1.68E-07	1.93E-07	1.75E-07	8.00E-08	3.71E-08	0.00E+00	0.00E+00	3.09E-08	6.57E-09	4.17E-08	6.43E-09	2.87E-09	8.84E-08
2858	490319.73	3859405.34	2.78E-04	3.20E-04	1.48E-04	9.61E-08	2.90E-07	1.68E-07	1.94E-07	1.76E-07	8.01E-08	3.71E-08	0.00E+00	0.00E+00	3.09E-08	6.58E-09	4.17E-08	6.43E-09	2.87E-09	8.85E-08
2859	490161.89	3859541.83	2.60E-04	3.00E-04	1.39E-04	9.01E-08	2.72E-07	1.58E-07	1.82E-07	1.65E-07	7.51E-08	3.49E-08	0.00E+00	0.00E+00	2.90E-08	6.17E-09	3.91E-08	6.03E-09	2.70E-09	8.30E-08
2860	490171.89	3859541.83	2.60E-04	3.00E-04	1.39E-04	9.01E-08	2.72E-07	1.57E-07	1.81E-07	1.65E-07	7.51E-08	3.49E-08	0.00E+00	0.00E+00	2.90E-08	6.16E-09	3.91E-08	6.03E-09	2.70E-09	8.29E-08
2861	490161.89	3859551.83	2.59E-04	2.99E-04	1.39E-04	8.98E-08	2.71E-07	1.57E-07	1.81E-07	1.64E-07	7.48E-08	3.48E-08	0.00E+00	0.00E+00	2.89E-08	6.14E-09	3.90E-08	6.01E-09	2.69E-09	8.27E-08
2862	490171.89	3859551.83	2.59E-04	2.99E-04	1.39E-04	8.97E-08	2.71E-07	1.57E-07	1.81E-07	1.64E-07	7.48E-08	3.47E-08	0.00E+00	0.00E+00	2.88E-08	6.13E-09	3.89E-08	6.00E-09	2.69E-09	8.26E-08
2863	489799.72	3859348.21	2.96E-04	3.42E-04	1.59E-04	1.03E-07	3.10E-07	1.79E-07	2.07E-07	1.87E-07	8.55E-08	3.98E-08	0.00E+00	0.00E+00	3.30E-08	7.02E-09	4.45E-08	6.87E-09	3.08E-09	9.45E-08
2864	489819.72	3859348.21	2.95E-04	3.41E-04	1.58E-04	1.02E-07	3.09E-07	1.79E-07	2.06E-07	1.87E-07	8.52E-08	3.96E-08	0.00E+00	0.00E+00	3.29E-08	6.99E-09	4.44E-08	6.84E-09	3.07E-09	9.42E-08
2865	489799.72	3859368.21	2.94E-04	3.39E-04	1.58E-04	1.02E-07	3.07E-07	1.78E-07	2.05E-07	1.86E-07	8.48E-08	3.95E-08	0.00E+00	0.00E+00	3.27E-08	6.96E-09	4.42E-08	6.81E-09	3.06E-09	9.37E-08
2866	489819.72	3859368.21	2.93E-04	3.38E-04	1.57E-04	1.02E-07	3.06E-07	1.77E-07	2.05E-07	1.85E-07	8.46E-08	3.94E-08	0.00E+00	0.00E+00	3.26E-08	6.94E-09	4.41E-08	6.79E-09	3.05E-09	9.35E-08
2867	489775.41	3859329.72	2.99E-04	3.45E-04	1.61E-04	1.04E-07	3.13E-07	1.81E-07	2.09E-07	1.89E-07	8.64E-08	4.02E-08	0.00E+00	0.00E+00	3.33E-08	7.09E-09	4.50E-08	6.94E-09	3.11E-09	9.55E-08
2868	489795.41	3859329.72	2.99E-04	3.44E-04	1.60E-04	1.03E-07	3.12E-07	1.81E-07	2.08E-07	1.89E-07	8.61E-08	4.01E-08	0.00E+00	0.00E+00	3.32E-08	7.07E-09	4.49E-08	6.92E-09	3.10E-09	9.52E-08
2869	489775.41	3859349.72	2.97E-04	3.43E-04	1.59E-04	1.03E-07	3.11E-07	1.80E-07	2.07E-07	1.88E-07	8.58E-08	3.99E-08	0.00E+00	0.00E+00	3.31E-08	7.04E-09	4.47E-08	6.89E-09	3.09E-09	9.48E-08
2870	489795.41	3859349.72	2.96E-04	3.42E-04	1.59E-04	1.03E-07	3.10E-07	1.79E-07	2.07E-07	1.87E-07	8.55E-08	3.98E-08	0.00E+00	0.00E+00	3.30E-08	7.02E-09	4.45E-08	6.87E-09	3.08E-09	9.45E-08
2871	489595.05	3859219.43	3.21E-04	3.70E-04	1.72E-04	1.11E-07	3.36E-07	1.94E-07	2.24E-07	2.03E-07	9.27E-08	4.31E-08	0.00E+00	0.00E+00	3.58E-08	7.61E-09	4.83E-08	7.44E-09	3.34E-09	1.02E-07
2872	489615.05	3859219.43	3.20E-04	3.69E-04	1.72E-04	1.11E-07	3.35E-07	1.94E-07	2.23E-07	2.03E-07	9.24E-08	4.30E-08	0.00E+00	0.00E+00	3.57E-08	7.59E-09	4.81E-08	7.42E-09	3.33E-09	1.02E-07
2873	489595.05	3859239.43	3.19E-04	3.67E-04	1.71E-04	1.10E-07	3.33E-07	1.93E-07	2.22E-07	2.01E-07	9.19E-08	4.28E-08	0.00E+00	0.00E+00	3.55E-08	7.54E-09	4.79E-08	7.38E-09	3.31E-09	1.02E-07
2874	489615.05	3859239.43	3.18E-04	3.66E-04	1.70E-04	1.10E-07	3.32E-07	1.92E-07	2.22E-07	2.01E-07	9.17E-08	4.27E-08	0.00E+00	0.00E+00	3.54E-08	7.53E-09	4.78E-08	7.36E-09	3.30E-09	1.01E-07
2875	489372.4	3859092.58	3.49E-04	4.03E-04	1.87E-04	1.21E-07	3.65E-07	2.11E-07	2.44E-07	2.21E-07	1.01E-07	4.67E-08	0.00E+00	0.00E+00	3.89E-08	8.27E-09	5.25E-08	8.09E-09	3.62E-09	1.11E-07
2876	489422.4	3859092.58	3.46E-04	4.00E-04	1.85E-04	1.20E-07	3.62E-07	2.10E-07	2.42E-07	2.19E-07	1.00E-07	4.64E-08	0.00E+00	0.00E+00	3.86E-08	8.21E-09	5.21E-08	8.03E-09	3.59E-09	1.10E-07
2877	489372.4	3859142.58	3.42E-04	3.95E-04	1.83E-04	1.18E-07	3.58E-07	2.07E-07	2.39E-07	2.16E-07	9.88E-08	4.59E-08	0.00E+00	0.00E+00	3.81E-08	8.11E-09	5.14E-08	7.93E-09	3.55E-09	1.09E-07
2878	489422.4	3859142.58	3.40E-04	3.92E-04	1.82E-04	1.18E-07	3.55E-07	2.06E-07	2.37E-07	2.15E-07	9.80E-08	4.55E-08	0.00E+00	0.00E+00	3.78E-08	8.04E-09	5.10E-08	7.87E-09	3.53E-09	1.08E-07
2879	488870.84	3858666.64	4.58E-04	5.29E-04	2.43E-04	1.59E-07	4.79E-07	2.77E-07	3.20E-07	2.90E-07	1.32E-07	6.09E-08	0.00E+00	0.00E+00	5.10E-08	1.09E-08	6.90E-08	1.06E-08	4.72E-09	1.46E-07
2880	488900.84	3858666.64	4.57E-04	5.27E-04	2.43E-04	1.58E-07	4.77E-07	2.76E-07	3.19E-07	2.89E-07	1.32E-07	6.07E-08	0.00E+00	0.00E+00	5.08E-08	1.08E-08	6.87E-08	1.06E-08	4.70E-09	1.46E-07
2881	488870.84	3858696.64	4.51E-04	5.20E-04	2.39E-04	1.56E-07	4.71E-07	2.73E-07	3.15E-07	2.85E-07	1.30E-07	5.99E-08	0.00E+00	0.00E+00	5.02E-08	1.07E-08	6.78E-08	1.05E-08	4.64E-09	1.44E-07
2882	488900.84	3858696.64	4.49E-04	5.18E-04	2.38E-04	1.55E-07	4.69E-07	2.72E-07	3.14E-07	2.84E-07	1.30E-07	5.97E-08	0.00E+00	0.00E+00	5.00E-08	1.06E-08	6.75E-08	1.04E-08	4.62E-09	1.43E-07
2883	488889.67	3858683.97	4.53E-04	5.23E-04	2.40E-04	1.57E-07	4.73E-07	2.74E-07	3.16E-07	2.87E-07	1.31E-07	6.02E-08	0.00E+00	0.00E+00	5.04E-08	1.07E-08	6.81E-08	1.05E-08	4.66E-09	1.44E-07
2884	488919.67	3858683.97	4.51E-04	5.21E-04	2.40E-04	1.56E-07	4.71E-07	2.73E-07	3.15E-07	2.86E-07	1.30E-07	6.00E-08	0.00E+00	0.00E+00	5.02E-08	1.07E-08	6.79E-08	1.05E-08	4.64E-09	1.44E-07
2885	488889.67	3858713.97	4.45E-04	5.14E-04	2.36E-04	1.54E-07	4.65E-07	2.69E-07	3.11E-07	2.82E-07	1.29E-07	5.92E-08	0.00E+00	0.00E+00	4.96E-08	1.06E-08	6.70E-08	1.03E-08	4.58E-09	1.42E-07
2886	488919.67	3858713.97	4.43E-04	5.12E-04	2.36E-04	1.54E-07	4.64E-07	2.68E-07	3.10E-07	2.81E-07	1.28E-07	5.89E-08	0.00E+00	0.00E+00	4.94E-08	1.05E-08	6.67E-08	1.03E-08	4.56E-09	1.41E-07
2887	488906.61	3858703.33	4.47E-04	5.16E-04	2.37E-04	1.55E-07	4.67E-07	2.70E-07	3.12E-07	2.83E-07	1.29E-07	5.94E-08	0.00E+00	0.00E+00	4.97E-08	1.06E-08	6.72E-08	1.04E-08	4.60E-09	1.43E-07
2888	488936.61	3858703.33	4.45E-04	5.14E-04	2.37E-04	1.54E-07	4.65E-07	2.69E-07	3.11E-07	2.82E-07	1.29E-07	5.92E-08	0.00E+00	0.00E+00	4.96E-08	1.06E-08	6.70E-08	1.03E-08	4.58E-09	1.42E-07
2889	488906.61	3858733.33	4.40E-04	5.08E-04	2.34E-04	1.52E-07	4.60E-07	2.66E-07	3.07E-07	2.79E-07	1.27E-07	5.85E-08	0.00E+00	0.00E+00	4.90E-08	1.04E-08	6.62E-08	1.02E-08	4.53E-09	1.40E-07
2890	488936.61	3858733.33	4.38E-04	5.06E-04	2.33E-04	1.52E-07	4.58E-07	2.65E-07	3.06E-07	2.77E-07	1.27E-07	5.82E-08	0.00E+00	0.00E+00	4.88E-08	1.04E-08	6.59E-08	1.02E-08	4.51E-09	1.40E-07
2891	488637.63	3858467.85	5.36E-04	6.18E-04	2.85E-04	1.85E-07	5.60E-07	3.24E-07	3.74E-07	3.39E-07	1.55E-07	7.14E-08	0.00E+00	0.00E+00	5.96E-08	1.27E-08	8.06E-08	1.24E-08	5.53E-09	1.71E-07
2892	488662.63	3858467.85	5.34E-04	6.16E-04	2.84E-04	1.85E-07	5.58E-07	3.23E-07	3.73E-07	3.38E-07	1.54E-07	7.12E-08	0.00E+00	0.00E+00	5.94E-08	1.27E-08	8.03E-08	1.24E-08	5.51E-09	1.70E-07
2893	488637.63	3858492.85	5.26E-04	6.08E-04	2.80E-04	1.82E-07	5.50E-07	3.18E-07	3.68E-07	3.33E-07	1.52E-07	7.01E-08	0.00E+00	0.00E+00	5.86E-08	1.25E-08	7.92E-08	1.22E-08	5.43E-09	1.68E-07
2894	488662.63	3858492.85	5.25E-04	6.06E-04	2.79E-04	1.82E-07	5.48E-07	3.17E-07	3.66E-07	3.32E-07	1.52E-07	6.99E-08	0.00E+00	0.00E+00	5.84E-08	1.24E-08	7.89E-08	1.22E-08	5.41E-09	1.67E-07
2895	488687.63	3858492.85	5.23E-04	6.04E-04	2.79E-04	1.81E-07	5.47E-07	3.17E-07	3.65E-07	3.31E-07	1.51E-07	6.97E-08	0.00E+00	0.00E+00	5.82E-08	1.24E-08	7.87E-08	1.21E-08	5.40E-09	1.67E-07
2896	488637.63	3858517.85	5.17E-04	5.97E-04	2.75E-04	1.79E-07	5.40E-07	3.13E-07	3.61E-07	3.27E-07	1.49E-07	6.88E-08	0.00E+00	0.00E+00	5.76E-08	1.23E-08	7.78E-08	1.20E-08	5.32E-09	1.65E-07
2897	488662.63	3858517.85	5.16E-04	5.95E-04	2.74E-04	1.78E-07	5.39E-07	3.12E-07	3.60E-07	3.26E-07	1.49E-07	6.86E-08	0.00E+00	0.00E+00	5.74E-08	1.22E-08	7.76E-08	1.20E-08	5.31E-09	1.64E-07
2898	488687.63	3858517.85	5.14E-04	5.93E-04	2.73E-04	1.78E-07	5.37E-07	3.11E-07	3.59E-07	3.25E-07	1.48E-07	6.84E-08	0.00E+00	0.00E+00	5.72E-08	1.22E-08	7.73E-08	1.19E-08	5.30E-09	1.64E-07
2899	488194.42	3857168.98	3.23E-03	3.74E-03	1.68E-03	1.12E-06	3.37E-06	1.95E-06	2.26E-06	2.05E-06	9.35E-07	4.20E-07	0.00E+00	0.00E+00	3.59E-07	7.68E-08	4.87E-07	7.51E-08	3.25E-08	1.03E-06
2900	488244.42	3857168.98	3.11E-03	3.60E-03	1.62E-03	1.08E-06	3.25E-06	1.88E-06	2.18E-06	1.98E-06	9.02E-07	4.05E-07	0.00E+00	0.00E+00	3.46E-07	7.40E-08	4.70E-07	7.24E-08	3.14E-08	9.94E-07
2901	488294.42	3857168.98	3.01E-03	3.48E-03	1.57E-03	1.04E-06	3.14E-06	1.82E-06	2.11E-06	1.91E-06	8.72E-07	3.92E-07	0.00E+00	0.00E+00	3.35E-07	7.15E-08	4.54E-07	7.00E-08	3.03E-08	9.61E-07
2902	488244.42	3857218.98	2.92E-03	3.38E-03	1.52E-03	1.01E-06	3.05E-06	1.77E-06	2.05E-06	1.86E-06	8.47E-07	3.80E-07	0.00E+00	0.00E+00	3.25E-07	6.95E-08	4.41E-07	6.80E-08	2.95E-08	9.33E-07
2903	488294.42	3857218.98	2.83E-03	3.28E-03	1.47E-03	9.79E-07	2.96E-06	1.71E-06	1.98E-06	1.80E-06	8.20E-07	3.68E-07	0.00E+00	0.00E+00	3.15E-07	6.73E-08	4.27E-07	6.58E-08	2.85E-08	9.03E-07
2904	488294.42	3857268.98	2.64E-03	3.06E-03	1.38E-03	9.15E-07	2.76E-06	1.60E-06	1.85E-06	1.68E-06	7.66E-07	3.45E-07	0.00E+00	0.00E+00	2.94E-07	6.29E-08	3.99E-07	6.15E-08	2.67E-08	8.45E-07
2905	488139.13	3857111.68	3.61E-03	4.18E-03	1.88E-03	1.25E-06	3.77E-06	2.18E-06	2.53E-06	2.29E-06	1.05E-06	4.69E-07	0.00E+00	0.00E+00	4.01E-07	8.58E-08	5.44E-07	8.39E-08	3.64E-08	1.15E-06
2906	488189.13	3857111.68	3.46E-03	4.01E-03	1.80E-03	1.20E-06	3.62E-06	2.09E-06	2.43E-06	2.20E-06	1.00E-06	4.51E-07	0.00E+00	0.00E+00	3.85E-07	8.23E-08	5.22E-07	8.06E-08	3.49E-08	1.11E-06
2907	488189.13	3857161.68	3.27E-03	3.79E-03	1.70E-03	1.13E-06	3.42E-06	1.98E-06	2.29E-06	2.08E-06	9.47E-07	4.26E-07	0.00E+00	0.00E+00	3.64E-07	7.77E-08	4.93E-07	7.61E-08	3.30E-08	1.04E-06
2908	487951.04	3856961.26	4.91E-03	5.68E-03	2.55E-03	1.70E-06	5.13E-06	2.97E-06	3.44E-06	3.12E-06	1.42E-06	6.38E-07	0.00E+00	0.00E+00	5.46E-07	1.17E-07	7.40E-07	1.14E-07	4.94E-08	1.57E-06
2909	488001.04	3856961.26	4.68E-03	5.42E-03	2.43E-03	1.62E-06	4.89E-06	2.83E-06	3.28E-06	2.97E-06	1.36E-06	6.09E-07	0.00E+00	0.00E+00	5.21E-07	1.11E-07	7.06E-07	1.09E-07	4.72E-08	1.49E-06
2910	488051.04	3856961.26	4.48E-03	5.19E-03	2.33E-03	1.55E-06	4.68E-06	2.71E-06	3.14E-06	2.85E-06	1.30E-06	5.83E-07	0.00E+00	0.00E+00	4.99E-07	1.07E-07	6.76E-07	1.04E-07	4.51E-08	1.43E-06
2911	488101.04	3856961.26	4.27E-03	4.95E-03	2.22E-03	1.48E-06	4.47E-06	2.59E-06	3.00E-06	2.72E-06	1.24E-06	5.56E-07	0.00E+00	0.00E+00	4.76E-07	1.02E-07	6.45E-07	9.95E-08	4.31E-08	1.37E-06
2912	487951.04	3857011.26	4.71E-03	5.45E-03	2.45E-03	1.63E-06	4.92E-06	2.85E-06	3.30E-06	2.99E-06	1.37E-06	6.13E-07	0.00E+00	0.00E+00	5.24E-07	1.12E-07	7.11E-07	1.10E-07	4.75E-08	1.50E-06
2913	488001.04	3857011.26	4.50E-03	5.22E-03	2.34E-03	1.56E-06	4.71E-06	2.72E-06	3.16E-06	2.86E-06	1.31E-06	5.86E-07	0.00E+00	0.00E+00	5.01E-07	1.07E-07	6.80E-07	1.05E-07	4.54E-08	1.44E-06
2914	488051.04	3857011.26	4.31E-03	4.99E-03	2.24E-03	1.49E-06	4.51E-06	2.61E-06	3.02E-06	2.74E-06	1.25E-06	5.61E-07	0.00E+00	0.00E+00	4.80E-07	1.03E-07	6.51E-07	1.00E-07	4.35E-08	1.38E-06
2915	488101.04	3857011.26	4.12E-03	4.77E-03	2.14E-03	1.42E-06	4.30E-06	2.49E-06	2.88E-06	2.61E-06	1.19E-06	5.36E-07	0.00E+00	0.00E+00	4.58E-07	9.79E-08	6.21E-07	9.58E-08	4.15E-08	1.31E-06
2916	488001.04	3857061.26	4.28E-03	4.96E-03	2.23E-03	1.48E-06	4.48E-06	2.59E-06	3.00E-06	2.72E-06	1.24E-06	5.57E-07	0.00E+00	0.00E+00	4.77E-07	1.02E-07	6.46E-07	9.97E-08	4.32E-08	1.37E-06
2917	488051.04	3857061.26	4.10E-03	4.75E-03	2.13E-03	1.42E-06	4.28E-06	2.48E-06	2.87E-06	2.60E-06	1.19E-06	5.34E-07	0.00E+00	0.00E+00	4.56E-07	9.75E-08	6.19E-07	9.54E-08	4.13E-08	1.31E-06
2918	488101.04	3857061.26	3.93E-03	4.55E-03	2.04E-03	1.36E-06	4.10E-06	2.38E-06	2.75E-06	2.49E-06	1.14E-06	5.11E-07	0.00E+00	0.00E+00	4.37E-07	9.34E-08	5.92E-07	9.14E-08	3.96E-08	1.25E-06
2919	487638.98	3856673.79	6.47E-03	7.49E-03	3.36E-03	2.24E-06	6.76E-06	3.91E-06	4.53E-06	4.11E-06	1.87E-06	8.42E-07	0.00E+00	0.00E+00	7.20E-07	1.54E-07	9.76E-07	1.51E-07	6.52E-08	2.07E-06
2920	487688.98	3856673.79	6.21E-03	7.19E-03	3.23E-03	2.15E-06	6.49E-06	3.76E-06	4.35E-06	3.94E-06	1.80E-06	8.08E-07	0.00E+00	0.00E+00	6.91E-07	1.48E-07	9.37E-07	1.45E-07	6.26E-08	1.98E-06
2921	487638.98	3856723.79	6.67E-03	7.72E-03	3.47E-03	2.31E-06	6.97E-06	4.04E-06	4.67E-06	4.24E-06	1.93E-06	8.68E-07	0.00E+00	0.00E+00	7.42E-07	1.59E-07	1.01E-06	1.55E-07	6.72E-08	2.13E-06
2922	487688.98	3856723.79	6.38E-03	7.39E-03	3.32E-03	2.21E-06	6.67E-06	3.86E-06	4.47E-06	4.05E-06	1.85E-06	8.30E-07	0.00E+00	0.00E+00	7.10E-07	1.52E-07	9.63E-07	1.49E-07	6.43E-08	2.04E-06
2923	486324.61	3855740.57	6.43E-03	7.44E-03	3.34E-03	2.22E-06	6.72E-06	3.89E-06	4.50E-06	4.08E-06	1.86E-06	8.36E-07	0.00E+00	0.00E+00	7.15E-07	1.53E-07	9.70E-07	1.50E-07	6.47E-08	2.05E-06
2924	486374.61	3855740.57	5.94E-03	6.88E-03	3.09E-03	2.06E-06	6.21E-06	3.59E-06	4.16E-06	3.77E-06	1.72E-06	7.73E-07	0.00E+00	0.00E+00	6.61E-07	1.41E-07	8.97E-07	1.38E-07	5.99E-08	1.90E-06
2925	486424.61	3855740.57	5.66E-03	6.55E-03	2.94E-03	1.96E-06	5.91E-06	3.42E-06	3.96E-06	3.59E-06	1.64E-06	7.36E-07	0.00E+00	0.00E+00	6.30E-07	1.35E-07	8.54E-07	1.32E-07	5.70E-08	1.81E-06
2926	486324.61	3855790.57	6.87E-03	7.95E-03	3.57E-03	2.38E-06	7.18E-06	4.15E-06	4.81E-06	4.36E-06	1.99E-06	8.94E-07	0.00E+00	0.00E+00	7.64E-07	1.63E-07	1.04E-06	1.60E-07	6.92E-08	2.19E-06
2927	486374.61	3855790.57	6.37E-03	7.38E-03	3.31E-03	2.20E-06	6.66E-06	3.85E-06	4.46E-06	4.05E-06	1.85E-06	8.29E-07	0.00E+00	0.00E+00	7.09E-07	1.51E-07	9.61E-07	1.48E-07	6.42E-08	2.03E-06
2928	486424.61	3855790.57	6.12E-03	7.09E-03	3.18E-03	2.12E-06	6.40E-06	3.70E-06	4.29E-06	3.89E-06	1.77E-06	7.97E-07	0.00E+00	0.00E+00	6.82E-07	1.46E-07	9.24E-07	1.43E-07	6.17E-08	1.96E-06
2929	486324.61	3855840.57	7.33E-03	8.49E-03	3.81E-03	2.54E-06	7.66E-06	4.43E-06	5.14E-06	4.66E-06	2.12E-06	9.54E-07	0.00E+00	0.00E+00	8.16E-07	1.74E-07	1.11E-06	1.71E-07	7.38E-08	2.34E-06
2930	486374.61	3855840.57	6.99E-03	8.09E-03	3.63E-03	2.42E-06	7.30E-06	4.23E-06	4.90E-06	4.44E-06	2.03E-06	9.09E-07	0.00E+00	0.00E+00	7.78E-07	1.66E-07	1.05E-06	1.63E-07	7.04E-08	2.23E-06
2931	486424.61	3855840.57	6.62E-03	7.67E-03	3.44E-03	2.29E-06	6.92E-06	4.01E-06	4.64E-06	4.21E-06	1.92E-06	8.62E-07	0.00E+00	0.00E+00	7.37E-07	1.58E-07	1.00E-06	1.54E-07	6.67E-08	2.12E-06
2932	486324.61	3855890.57	8.05E-03	9.33E-03	4.19E-03	2.79E-06	8.42E-06	4.87E-06	5.64E-06	5.11E-06	2.33E-06	1.05E-06	0.00E+00	0.00E+00	8.96E-07	1.92E-07	1.22E-06	1.87E-07	8.11E-08	2.57E-06
2933	486374.61	3855890.57	7.62E-03	8.82E-03	3.96E-03	2.64E-06	7.96E-06	4.61E-06	5.34E-06	4.84E-06	2.21E-06	9.91E-07	0.00E+00	0.00E+00	8.48E-07	1.81E-07	1.15E-06	1.77E-07	7.68E-08	2.43E-06

2934	486424.61	3855890.57	7.18E-03	8.31E-03	3.73E-03	2.48E-06	7.50E-06	4.34E-06	5.03E-06	4.56E-06	2.08E-06	9.34E-07	0.00E+00	0.00E+00	7.99E-07	1.71E-07	1.08E-06	1.67E-07	7.23E-08	2.29E-06
2935	488735.69	3858285.64	6.30E-04	7.25E-04	3.43E-04	2.18E-07	6.59E-07	3.81E-07	4.39E-07	3.98E-07	1.81E-07	8.58E-08	0.00E+00	0.00E+00	7.02E-08	1.49E-08	9.45E-08	1.46E-08	6.65E-09	2.01E-07
2936	488765.69	3858285.64	6.31E-04	7.25E-04	3.43E-04	2.18E-07	6.59E-07	3.82E-07	4.39E-07	3.98E-07	1.82E-07	8.58E-08	0.00E+00	0.00E+00	7.02E-08	1.49E-08	9.45E-08	1.46E-08	6.65E-09	2.01E-07
2937	488735.69	3858315.64	6.10E-04	7.02E-04	3.30E-04	2.11E-07	6.37E-07	3.69E-07	4.24E-07	3.85E-07	1.76E-07	8.26E-08	0.00E+00	0.00E+00	6.78E-08	1.44E-08	9.14E-08	1.41E-08	6.40E-09	1.94E-07
2938	488765.69	3858315.64	6.10E-04	7.02E-04	3.30E-04	2.11E-07	6.37E-07	3.69E-07	4.25E-07	3.85E-07	1.76E-07	8.27E-08	0.00E+00	0.00E+00	6.79E-08	1.44E-08	9.14E-08	1.41E-08	6.40E-09	1.94E-07
2939	478676.63	3849871.93	3.87E-05	4.48E-05	2.03E-05	1.34E-08	4.05E-08	2.34E-08	2.71E-08	2.46E-08	1.12E-08	5.09E-09	0.00E+00	0.00E+00	4.31E-09	9.20E-10	5.84E-09	9.00E-10	3.94E-10	1.24E-08
2940	479326.63	3849871.93	5.59E-05	6.47E-05	2.93E-05	1.94E-08	5.85E-08	3.39E-08	3.92E-08	3.55E-08	1.62E-08	7.33E-09	0.00E+00	0.00E+00	6.23E-09	1.33E-09	8.44E-09	1.30E-09	5.67E-10	1.79E-08
2941	479376.63	3849871.93	5.73E-05	6.64E-05	3.00E-05	1.99E-08	5.99E-08	3.47E-08	4.02E-08	3.64E-08	1.66E-08	7.51E-09	0.00E+00	0.00E+00	6.38E-09	1.36E-09	8.65E-09	1.33E-09	5.81E-10	1.83E-08
2942	479426.63	3849871.93	5.87E-05	6.80E-05	3.07E-05	2.03E-08	6.14E-08	3.55E-08	4.11E-08	3.73E-08	1.70E-08	7.69E-09	0.00E+00	0.00E+00	6.54E-09	1.40E-09	8.86E-09	1.37E-09	5.95E-10	1.88E-08
2943	478726.63	3849921.93	3.92E-05	4.54E-05	2.06E-05	1.36E-08	4.10E-08	2.37E-08	2.75E-08	2.49E-08	1.14E-08	5.15E-09	0.00E+00	0.00E+00	4.37E-09	9.32E-10	5.92E-09	9.12E-10	3.99E-10	1.25E-08
2944	478776.63	3849921.93	4.01E-05	4.64E-05	2.10E-05	1.39E-08	4.19E-08	2.43E-08	2.81E-08	2.54E-08	1.16E-08	5.26E-09	0.00E+00	0.00E+00	4.46E-09	9.52E-10	6.04E-09	9.32E-10	4.08E-10	1.28E-08
2945	478826.63	3849921.93	4.11E-05	4.75E-05	2.15E-05	1.42E-08	4.29E-08	2.48E-08	2.87E-08	2.60E-08	1.19E-08	5.39E-09	0.00E+00	0.00E+00	4.57E-09	9.75E-10	6.19E-09	9.54E-10	4.17E-10	1.31E-08
2946	478976.63	3849921.93	4.46E-05	5.16E-05	2.34E-05	1.54E-08	4.66E-08	2.70E-08	3.12E-08	2.83E-08	1.29E-08	5.85E-09	0.00E+00	0.00E+00	4.96E-09	1.06E-09	6.72E-09	1.04E-09	4.53E-10	1.42E-08
2947	479026.63	3849921.93	4.62E-05	5.34E-05	2.42E-05	1.60E-08	4.83E-08	2.79E-08	3.23E-08	2.93E-08	1.34E-08	6.05E-09	0.00E+00	0.00E+00	5.14E-09	1.10E-09	6.96E-09	1.07E-09	4.69E-10	1.47E-08
2948	479076.63	3849921.93	4.77E-05	5.52E-05	2.50E-05	1.65E-08	4.98E-08	2.88E-08	3.34E-08	3.03E-08	1.38E-08	6.25E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.19E-09	1.11E-09	4.84E-10	1.52E-08
2949	479126.63	3849921.93	4.93E-05	5.70E-05	2.58E-05	1.70E-08	5.15E-08	2.98E-08	3.45E-08	3.13E-08	1.43E-08	6.46E-09	0.00E+00	0.00E+00	5.48E-09	1.17E-09	7.43E-09	1.15E-09	5.00E-10	1.57E-08
2950	479176.63	3849921.93	5.09E-05	5.89E-05	2.67E-05	1.76E-08	5.32E-08	3.08E-08	3.57E-08	3.23E-08	1.48E-08	6.68E-09	0.00E+00	0.00E+00	5.67E-09	1.21E-09	7.68E-09	1.18E-09	5.17E-10	1.63E-08
2951	479226.63	3849921.93	5.24E-05	6.06E-05	2.74E-05	1.81E-08	5.48E-08	3.17E-08	3.67E-08	3.33E-08	1.52E-08	6.87E-09	0.00E+00	0.00E+00	5.83E-09	1.25E-09	7.90E-09	1.22E-09	5.32E-10	1.67E-08
2952	479276.63	3849921.93	5.35E-05	6.19E-05	2.80E-05	1.85E-08	5.59E-08	3.24E-08	3.74E-08	3.39E-08	1.55E-08	7.01E-09	0.00E+00	0.00E+00	5.95E-09	1.27E-09	8.06E-09	1.24E-09	5.42E-10	1.71E-08
2953	479326.63	3849921.93	5.58E-05	6.45E-05	2.92E-05	1.93E-08	5.83E-08	3.37E-08	3.90E-08	3.54E-08	1.61E-08	7.30E-09	0.00E+00	0.00E+00	6.21E-09	1.33E-09	8.41E-09	1.30E-09	5.65E-10	1.78E-08
2954	479376.63	3849921.93	5.68E-05	6.57E-05	2.97E-05	1.97E-08	5.94E-08	3.44E-08	3.98E-08	3.60E-08	1.64E-08	7.44E-09	0.00E+00	0.00E+00	6.32E-09	1.35E-09	8.56E-09	1.32E-09	5.76E-10	1.81E-08
2955	479426.63	3849921.93	5.86E-05	6.78E-05	3.07E-05	2.03E-08	6.13E-08	3.55E-08	4.11E-08	3.72E-08	1.70E-08	7.68E-09	0.00E+00	0.00E+00	6.53E-09	1.39E-09	8.84E-09	1.36E-09	5.94E-10	1.87E-08
2956	478726.63	3849971.93	3.90E-05	4.51E-05	2.05E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.47E-08	1.13E-08	5.12E-09	0.00E+00	0.00E+00	4.34E-09	9.26E-10	5.88E-09	9.06E-10	3.97E-10	1.24E-08
2957	478776.63	3849971.93	3.97E-05	4.60E-05	2.08E-05	1.38E-08	4.15E-08	2.40E-08	2.78E-08	2.52E-08	1.15E-08	5.22E-09	0.00E+00	0.00E+00	4.42E-09	9.44E-10	5.99E-09	9.24E-10	4.04E-10	1.27E-08
2958	478826.63	3849971.93	4.06E-05	4.70E-05	2.13E-05	1.41E-08	4.24E-08	2.46E-08	2.84E-08	2.58E-08	1.18E-08	5.33E-09	0.00E+00	0.00E+00	4.52E-09	9.65E-10	6.12E-09	9.44E-10	4.13E-10	1.30E-08
2959	478976.63	3849971.93	4.41E-05	5.10E-05	2.31E-05	1.53E-08	4.61E-08	2.67E-08	3.08E-08	2.80E-08	1.28E-08	5.78E-09	0.00E+00	0.00E+00	4.91E-09	1.05E-09	6.64E-09	1.02E-09	4.48E-10	1.41E-08
2960	479026.63	3849971.93	4.54E-05	5.25E-05	2.38E-05	1.57E-08	4.74E-08	2.74E-08	3.17E-08	2.88E-08	1.31E-08	5.95E-09	0.00E+00	0.00E+00	5.05E-09	1.08E-09	6.84E-09	1.05E-09	4.61E-10	1.45E-08
2961	479076.63	3849971.93	4.68E-05	5.41E-05	2.45E-05	1.62E-08	4.89E-08	2.83E-08	3.27E-08	2.97E-08	1.35E-08	6.13E-09	0.00E+00	0.00E+00	5.20E-09	1.11E-09	7.05E-09	1.09E-09	4.75E-10	1.49E-08
2962	479126.63	3849971.93	4.83E-05	5.59E-05	2.53E-05	1.67E-08	5.05E-08	2.92E-08	3.38E-08	3.06E-08	1.40E-08	6.33E-09	0.00E+00	0.00E+00	5.38E-09	1.15E-09	7.28E-09	1.12E-09	4.90E-10	1.54E-08
2963	479176.63	3849971.93	5.00E-05	5.78E-05	2.62E-05	1.73E-08	5.22E-08	3.02E-08	3.50E-08	3.17E-08	1.45E-08	6.55E-09	0.00E+00	0.00E+00	5.56E-09	1.19E-09	7.53E-09	1.16E-09	5.07E-10	1.59E-08
2964	479226.63	3849971.93	5.09E-05	5.89E-05	2.66E-05	1.76E-08	5.32E-08	3.08E-08	3.56E-08	3.23E-08	1.47E-08	6.67E-09	0.00E+00	0.00E+00	5.66E-09	1.21E-09	7.67E-09	1.18E-09	5.16E-10	1.62E-08
2965	479276.63	3849971.93	5.31E-05	6.14E-05	2.78E-05	1.84E-08	5.55E-08	3.21E-08	3.72E-08	3.37E-08	1.54E-08	6.95E-09	0.00E+00	0.00E+00	5.91E-09	1.26E-09	8.00E-09	1.23E-09	5.38E-10	1.69E-08
2966	479326.63	3849971.93	5.51E-05	6.38E-05	2.88E-05	1.91E-08	5.76E-08	3.33E-08	3.86E-08	3.50E-08	1.60E-08	7.22E-09	0.00E+00	0.00E+00	6.13E-09	1.31E-09	8.31E-09	1.28E-09	5.59E-10	1.76E-08
2967	479376.63	3849971.93	5.63E-05	6.52E-05	2.95E-05	1.95E-08	5.89E-08	3.41E-08	3.94E-08	3.57E-08	1.63E-08	7.37E-09	0.00E+00	0.00E+00	6.27E-09	1.34E-09	8.49E-09	1.31E-09	5.71E-10	1.80E-08
2968	479426.63	3849971.93	5.81E-05	6.72E-05	3.04E-05	2.01E-08	6.07E-08	3.51E-08	4.07E-08	3.69E-08	1.68E-08	7.60E-09	0.00E+00	0.00E+00	6.47E-09	1.38E-09	8.76E-09	1.35E-09	5.89E-10	1.85E-08
2969	478726.63	3850021.93	3.89E-05	4.50E-05	2.04E-05	1.35E-08	4.06E-08	2.35E-08	2.72E-08	2.47E-08	1.13E-08	5.11E-09	0.00E+00	0.00E+00	4.33E-09	9.24E-10	5.86E-09	9.04E-10	3.95E-10	1.24E-08
2970	478776.63	3850021.93	3.95E-05	4.57E-05	2.07E-05	1.37E-08	4.13E-08	2.39E-08	2.77E-08	2.51E-08	1.14E-08	5.19E-09	0.00E+00	0.00E+00	4.40E-09	9.39E-10	5.96E-09	9.18E-10	4.02E-10	1.26E-08
2971	478826.63	3850021.93	4.03E-05	4.66E-05	2.11E-05	1.39E-08	4.21E-08	2.44E-08	2.82E-08	2.56E-08	1.17E-08	5.29E-09	0.00E+00	0.00E+00	4.48E-09	9.57E-10	6.07E-09	9.36E-10	4.10E-10	1.29E-08
2972	478976.63	3850021.93	4.34E-05	5.02E-05	2.27E-05	1.50E-08	4.53E-08	2.62E-08	3.04E-08	2.75E-08	1.26E-08	5.69E-09	0.00E+00	0.00E+00	4.83E-09	1.03E-09	6.54E-09	1.01E-09	4.41E-10	1.38E-08
2973	478726.63	3850071.93	3.89E-05	4.50E-05	2.04E-05	1.35E-08	4.07E-08	2.36E-08	2.72E-08	2.47E-08	1.13E-08	5.11E-09	0.00E+00	0.00E+00	4.33E-09	9.25E-10	5.87E-09	9.05E-10	3.96E-10	1.24E-08
2974	478776.63	3850071.93	3.94E-05	4.56E-05	2.07E-05	1.37E-08	4.12E-08	2.39E-08	2.76E-08	2.50E-08	1.14E-08	5.18E-09	0.00E+00	0.00E+00	4.39E-09	9.37E-10	5.94E-09	9.17E-10	4.01E-10	1.26E-08
2975	478826.63	3850071.93	4.01E-05	4.63E-05	2.10E-05	1.39E-08	4.19E-08	2.42E-08	2.80E-08	2.54E-08	1.16E-08	5.26E-09	0.00E+00	0.00E+00	4.46E-09	9.52E-10	6.04E-09	9.31E-10	4.07E-10	1.28E-08
2976	478876.63	3850071.93	4.08E-05	4.72E-05	2.14E-05	1.41E-08	4.27E-08	2.47E-08	2.86E-08	2.59E-08	1.18E-08	5.36E-09	0.00E+00	0.00E+00	4.55E-09	9.70E-10	6.16E-09	9.49E-10	4.15E-10	1.30E-08
2977	478976.63	3850071.93	4.28E-05	4.95E-05	2.25E-05	1.48E-08	4.48E-08	2.59E-08	3.00E-08	2.72E-08	1.24E-08	5.62E-09	0.00E+00	0.00E+00	4.77E-09	1.02E-09	6.46E-09	9.96E-10	4.35E-10	1.37E-08
2978	478726.63	3850121.93	3.91E-05	4.52E-05	2.05E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.48E-08	1.13E-08	5.13E-09	0.00E+00	0.00E+00	4.35E-09	9.28E-10	5.89E-09	9.08E-10	3.97E-10	1.25E-08
2979	478776.63	3850121.93	3.95E-05	4.57E-05	2.07E-05	1.37E-08	4.13E-08	2.39E-08	2.77E-08	2.51E-08	1.14E-08	5.19E-09	0.00E+00	0.00E+00	4.40E-09	9.39E-10	5.96E-09	9.18E-10	4.02E-10	1.26E-08
2980	478826.63	3850121.93	4.00E-05	4.63E-05	2.10E-05	1.39E-08	4.18E-08	2.42E-08	2.80E-08	2.54E-08	1.16E-08	5.26E-09	0.00E+00	0.00E+00	4.46E-09	9.51E-10	6.03E-09	9.30E-10	4.07E-10	1.28E-08
2981	478876.63	3850121.93	4.07E-05	4.70E-05	2.13E-05	1.41E-08	4.25E-08	2.46E-08	2.85E-08	2.58E-08	1.18E-08	5.34E-09	0.00E+00	0.00E+00	4.53E-09	9.66E-10	6.13E-09	9.45E-10	4.13E-10	1.30E-08
2982	478976.63	3850121.93	4.24E-05	4.90E-05	2.22E-05	1.47E-08	4.43E-08	2.56E-08	2.97E-08	2.69E-08	1.23E-08	5.56E-09	0.00E+00	0.00E+00	4.72E-09	1.01E-09	6.39E-09	9.85E-10	4.31E-10	1.35E-08
2983	479026.63	3850121.93	4.35E-05	5.03E-05	2.28E-05	1.50E-08	4.54E-08	2.63E-08	3.04E-08	2.76E-08	1.26E-08	5.70E-09	0.00E+00	0.00E+00	4.84E-09	1.03E-09	6.55E-09	1.01E-09	4.42E-10	1.39E-08
2984	479076.63	3850121.93	4.46E-05	5.16E-05	2.34E-05	1.54E-08	4.66E-08	2.70E-08	3.12E-08	2.83E-08	1.29E-08	5.85E-09	0.00E+00	0.00E+00	4.96E-09	1.06E-09	6.72E-09	1.04E-09	4.53E-10	1.42E-08
2985	479126.63	3850121.93	4.58E-05	5.30E-05	2.40E-05	1.59E-08	4.79E-08	2.77E-08	3.21E-08	2.91E-08	1.33E-08	6.01E-09	0.00E+00	0.00E+00	5.10E-09	1.09E-09	6.91E-09	1.07E-09	4.66E-10	1.46E-08
2986	478776.63	3850171.93	3.97E-05	4.59E-05	2.08E-05	1.37E-08	4.15E-08	2.40E-08	2.78E-08	2.52E-08	1.15E-08	5.21E-09	0.00E+00	0.00E+00	4.42E-09	9.43E-10	5.98E-09	9.23E-10	4.04E-10	1.27E-08
2987	478826.63	3850171.93	4.01E-05	4.63E-05	2.10E-05	1.39E-08	4.19E-08	2.42E-08	2.80E-08	2.54E-08	1.16E-08	5.26E-09	0.00E+00	0.00E+00	4.46E-09	9.52E-10	6.04E-09	9.31E-10	4.07E-10	1.28E-08
2988	478876.63	3850171.93	4.06E-05	4.69E-05	2.13E-05	1.40E-08	4.24E-08	2.46E-08	2.84E-08	2.57E-08	1.17E-08	5.33E-09	0.00E+00	0.00E+00	4.52E-09	9.64E-10	6.12E-09	9.43E-10	4.13E-10	1.30E-08
2989	478976.63	3850171.93	4.21E-05	4.87E-05	2.21E-05	1.46E-08	4.40E-08	2.55E-08	2.95E-08	2.67E-08	1.22E-08	5.53E-09	0.00E+00	0.00E+00	4.69E-09	1.00E-09	6.35E-09	9.79E-10	4.28E-10	1.34E-08
2990	479026.63	3850171.93	4.31E-05	4.98E-05	2.26E-05	1.49E-08	4.50E-08	2.61E-08	3.02E-08	2.73E-08	1.25E-08	5.65E-09	0.00E+00	0.00E+00	4.80E-09	1.02E-09	6.49E-09	1.00E-09	4.38E-10	1.38E-08
2991	479076.63	3850171.93	4.41E-05	5.10E-05	2.31E-05	1.53E-08	4.61E-08	2.67E-08	3.09E-08	2.80E-08	1.28E-08	5.78E-09	0.00E+00	0.00E+00	4.91E-09	1.05E-09	6.64E-09	1.02E-09	4.48E-10	1.41E-08
2992	479126.63	3850171.93	4.52E-05	5.23E-05	2.37E-05	1.57E-08	4.73E-08	2.74E-08	3.17E-08	2.87E-08	1.31E-08	5.93E-09	0.00E+00	0.00E+00	5.03E-09	1.07E-09	6.82E-09	1.05E-09	4.59E-10	1.44E-08
2993	479176.63	3850171.93	4.66E-05	5.39E-05	2.44E-05	1.61E-08	4.87E-08	2.82E-08	3.26E-08	2.96E-08	1.35E-08	6.11E-09	0.00E+00	0.00E+00	5.18E-09	1.11E-09	7.02E-09	1.08E-09	4.73E-10	1.49E-08
2994	479226.63	3850171.93	4.81E-05	5.57E-05	2.52E-05	1.67E-08	5.03E-08	2.91E-08	3.37E-08	3.05E-08	1.39E-08	6.31E-09	0.00E+00	0.00E+00	5.36E-09	1.14E-09	7.26E-09	1.12E-09	4.89E-10	1.54E-08
2995	479276.63	3850171.93	4.98E-05	5.76E-05	2.61E-05	1.72E-08	5.21E-08	3.01E-08	3.49E-08	3.16E-08	1.44E-08	6.53E-09	0.00E+00	0.00E+00	5.54E-09	1.18E-09	7.51E-09	1.16E-09	5.06E-10	1.59E-08
2996	479326.63	3850171.93	5.13E-05	5.94E-05	2.69E-05	1.78E-08	5.36E-08	3.11E-08	3.59E-08	3.26E-08	1.49E-08	6.73E-09	0.00E+00	0.00E+00	5.71E-09	1.22E-09	7.74E-09	1.19E-09	5.21E-10	1.64E-08
2997	479376.63	3850171.93	5.29E-05	6.13E-05	2.77E-05	1.83E-08	5.53E-08	3.20E-08	3.71E-08	3.36E-08	1.53E-08	6.94E-09	0.00E+00	0.00E+00	5.89E-09	1.26E-09	7.98E-09	1.23E-09	5.37E-10	1.69E-08
2998	478676.63	3850221.93	3.96E-05	4.58E-05	2.08E-05	1.37E-08	4.14E-08	2.40E-08	2.77E-08	2.51E-08	1.15E-08	5.20E-09	0.00E+00	0.00E+00	4.41E-09	9.40E-10	5.97E-09	9.20E-10	4.03E-10	1.26E-08
2999	478726.63	3850221.93	3.98E-05	4.60E-05	2.09E-05	1.38E-08	4.16E-08	2.41E-08	2.78E-08	2.52E-08	1.15E-08	5.22E-09	0.00E+00	0.00E+00	4.43E-09	9.45E-10	6.00E-09	9.24E-10	4.04E-10	1.27E-08
3000	478976.63	3850221.93	4.20E-05	4.86E-05	2.20E-05	1.45E-08	4.39E-08	2.54E-08	2.94E-08	2.67E-08	1.22E-08	5.52E-09	0.00E+00	0.00E+00	4.68E-09	9.98E-10	6.33E-09	9.77E-10	4.27E-10	1.34E-08
3001	479026.63	3850221.93	4.28E-05	4.95E-05	2.25E-05	1.48E-08	4.48E-08	2.59E-08	3.00E-08	2.72E-08	1.24E-08	5.62E-09	0.00E+00	0.00E+00	4.77E-09	1.02E-09	6.46E-09	9.96E-10	4.35E-10	1.37E-08
3002	479076.63	3850221.93	4.37E-05	5.06E-05	2.29E-05	1.51E-08	4.57E-08	2.64E-08	3.06E-08	2.77E-08	1.27E-08	5.74E-09	0.00E+00	0.00E+00	4.87E-09	1.04E-09	6.59E-09	1.02E-09	4.44E-10	1.40E-08
3003	479126.63	3850221.93	4.48E-05	5.18E-05	2.35E-05	1.55E-08	4.68E-08	2.71E-08	3.13E-08	2.84E-08	1.30E-08	5.88E-09	0.00E+00	0.00E+00	4.98E-09	1.06E-09	6.75E-09	1.04E-09	4.55E-10	1.43E-08
3004	479176.63	3850221.93	4.60E-05	5.32E-05	2.41E-05	1.59E-08	4.81E-08	2.79E-08	3.22E-08	2.92E-08	1.33E-08	6.04E-09	0.00E+00	0.00E+00	5.12E-09	1.09E-09	6.94E-09	1.07E-09	4.67E-10	1.47E-08
3005	479226.63	3850221.93	4.74E-05	5.49E-05	2.48E-05	1.64E-08	4.96E-08	2.87E-08	3.32E-08	3.01E-08	1.37E-08	6.22E-09	0.00E+00	0.00E+00	5.28E-09	1.13E-09	7.15E-09	1.10E-09	4.82E-10	1.51E-08
3006	479276.63	3850221.93	4.90E-05	5.67E-05	2.57E-05	1.70E-08	5.12E-08	2.96E-08	3.43E-08	3.11E-08	1.42E-08	6.42E-09	0.00E+00	0.00E+00	5.45E-09	1.16E-09	7.38E-09	1.14E-09	4.97E-10	1.56E-08
3007	479326.63	3850221.93	5.04E-05	5.83E-05	2.64E-05	1.74E-08	5.26E-08	3.05E-08	3.53E-08	3.20E-08	1.46E-08	6.60E-09	0.00E+00	0.00E+00	5.61E-09	1.20E-09	7.59E-09	1.17E-09	5.11E-10	1.61E-08
3008	479376.63	3850221.93	5.19E-05	6.01E-05	2.72E-05	1.80E-08	5.43E-08	3.14E-08	3.64E-08	3.30E-08	1.50E-08	6.81E-09	0.00E+00	0.00E+00	5.78E-09	1.23E-09	7.83E-09	1.21E-09	5.27E-10	1.66E-08
3009	478676.63	3850271.93	4.02E-05	4.65E-05	2.11E-05	1.39E-08	4.20E-08	2.43E-08	2.81E-08	2.55E-08	1.16E-08	5.28E-09	0.00E+00	0.00E+00	4.48E-09	9.55E-10	6.06E-09	9.35E-10	4.09E-10	1.28E-08
3010	478726.63	3850271.93	4.03E-05	4.66E-05	2.11E-05	1.39E-08	4.21E-08	2.44E-08	2.82E-08	2.56E-08	1.17E-08	5.29E-09	0.00E+00	0.00E+00	4.48E-09	9.57E-10	6.07E-09	9.37E-10	4.10E-10	1.29E-08
3011	478976.63	3850271.93	4.20E-05	4.86E-05	2.20E-05	1.45E-08	4.39E-08	2.54E-08	2.94E-08	2.66E-08	1.22E-08	5.51E-09	0.00E+00	0.00E+00	4.67E-09	9.97E-10	6.33E-09	9.76E-10	4.27E-10	1.34E-08
3012	479026.63	3850271.93	4.28E-05	4.95E-05	2.24E-05	1.48E-08	4.47E-08	2.59E-08	2.99E-08	2.71E-08	1.24E-08	5.61E-09	0.00E+00	0.00E+00	4.76E-09	1.02E-09	6.45E-09	9.94E-10	4.35E-10	1.36E-08
3013	479076.63	3850271.93	4.35E-05	5.04E-05	2.28E-05	1.51E-08	4.55E-08	2.63E-08	3.05E-08	2.76E-08	1.26E-08	5.71E-09	0.00E+00	0.00E+00	4.85E-09	1.03E-09	6.56E-09	1.01E-09	4.42E-10	1.39E-08
3014	479126.63	3850271.93	4.45E-05	5.15E-05	2.33E-05	1.54E-08	4.65E-08	2.69E-08	3.11E-08	2.82E-08	1.29E-08	5.84E-09	0.00E+00	0.00E+00	4.95E-09	1.06E-09	6.71E-09	1.03E-09	4.52E-10	1.42E-08
3015	479176.63	3850271.93	4.56E-05	5.27E-05	2.39E-05	1.58E-08	4.77E-08	2.76E-08	3.19E-08	2.89E-08	1.32E-08	5.98E-09	0.00E+00	0.00E+00	5.07E-09	1.08E-09	6.87E-09	1.06E-09	4.63E-10	1.46E-08
3016	479226.63	3850271.93	4.69E-05	5.42E-05	2.46E-05	1.62E-08	4.90E-08	2.84E-08	3.28E-08	2.97E-08	1.36E-08	6.15E-09	0.00E+00	0.00E+00	5.22E-09	1.11E-09	7.07E-09	1.09E-09	4.76E-10	1.50E-08
3017	479276.63	3850271.93	4.82E-05	5.58E-05	2.53E-05	1.67E-08	5.04E-08	2.92E-08	3.37E-08	3.06E-08	1.40E-08	6.32E-09	0.00E+00	0.00E+00	5.37E-09	1.15E-09	7.27E-09	1.12E-09	4.89E-10	1.54E-08
3018	479326.63	3850271.93	4.95E-05	5.73E-05	2.59E-05	1.71E-08	5.18E-08	3.00E-08	3.47E-08	3.14E-08	1.43E-08	6.49E-09	0.00E+00	0.00E+00	5.51E-09	1.18E-09	7.47E-09	1.15E-09	5.03E-10	1.58E-08
3019	479376.63	3850271.93	5.09E-05	5.89E-05	2.67E-05	1.76E-08	5.32E-08	3.08E-08	3.56E-08	3.23E-08	1.47E-08	6.67E-09	0.00E+00	0.00E+00	5.67E-09	1.21E-09	7.68E-09	1.18E-09	5.17E-10	1.63E-08
3020	479053.24	3850293.52	4.32E-05	4.99E-05	2.26E-05	1.49E-08	4.51E-08	2.61E-08	3.02E-08	2.74E-08	1.25E-08	5.67E-09	0.00E+00	0.00E+00	4.80E-09	1.03E-09	6.51E-09	1.00E-09	4.39E-10	1.38E-08
3021	479103.24	3850293.52	4.40E-05	5.09E-05	2.31E-05	1.52E-08	4.60E-08	2.66E-08	3.08E-08	2.79E-08	1.27E-08	5.78E-09	0.00E+00	0.00E+00	4.90E-09	1.05E-09	6.63E-09	1.02E-09	4.47E-10	1.40E-08
3022	479153.24	3850293.52	4.49E-05	5.20E-05	2.36E-05	1.56E-08	4.70E-08	2.72E-08	3.14E-08	2.85E-08	1.30E-08	5.89E-09	0.00E+00	0.00E+00	5.00E-09	1.07E-09	6.77E-09	1.04E-09	4.56E-10	1.43E-08
3023	479203.24	3850293.52	4.61E-05	5.33E-05	2.42E-05	1.60E-08	4.82E-08	2.79E-08	3.23E-08	2.93E-08	1.33E-08	6.05E-09	0.00E+00	0.00E+00	5.13E-09	1.10E-09	6.95E-09	1.07E-09	4.68E-10	1.47E-08
3024	479253.24	3850293.52	4.73E-05	5.47E-05	2.48E-05	1.64E-08	4.95E-08	2.86E-08	3.31E-08	3.00E-08	1.37E-08	6.21E-09	0.00E+00	0.00E+00	5.27E-09	1.12E-09	7.13E-09	1.10E-09	4.81E-10	1.51E-08
3025	479303.24	3850293.52	4.86E-05	5.62E-05	2.54E-05	1.68E-08	5.08E-08	2.94E-08	3.40E-08	3.08E-08	1.41E-08	6.37E-09	0.00E+00	0.00E+00	5.41E-09	1.15E-09	7.32E-09	1.13E-09	4.93E-10	1.55E-08
3026	479353.24	3850293.52	4.99E-05	5.77E-05	2.61E-05	1.73E-08	5.21E-08	3.02E-08	3.49E-08	3.17E-08	1.44E-08	6.54E-09	0.00E+00	0.00E+00	5.55E-09	1.19E-09	7.52E-09	1.16E-09	5.06E-10	1.59E-08
3027	479153.24	3850343.52	4.48E-05	5.18E-05	2.35E-05	1.55E-08	4.68E-08	2.71E-08	3.14E-08	2.84E-08	1.30E-08	5.88E-09	0.00E+00	0.00E+00	4.99E-09	1.06E-09	6.76E-09	1.04E-09	4.55E-10	1.43E-08
3028	479203.24	3850343.52	4.66E-05	5.39E-05	2.44E-05	1.61E-08	4.87E-08	2.82E-08	3.26E-08	2.96E-08	1.35E-08	6.11E-09	0.00E+00	0.00E+00	5.19E-09	1.11E-09	7.02E-09	1.08E-09	4.73E-10	1.49E-08
3029	479253.24	3850343.52	4.68E-05	5.41E-05	2.45E-05	1.62E-08	4.89E-08	2.83E-08	3.28E-08	2.97E-08	1.36E-08	6.14E-09	0.00E+00	0.00E+00	5.21E-09	1.11E-09	7.06E-09	1.09E-09	4.75E-10	1.49E-08
3030	479303.24	3850343.52	4.79E-05	5.54E-05	2.51E-05	1.66E-08	5.00E-08	2.90E-08	3.35E-08	3.04E-08	1.39E-08	6.28E-09	0.00E+00	0.00E+00	5.33E-09	1.14E-09	7.22E-09	1.11E-09	4.86E-10	1.53E-08
3031	479353.24	3850343.52	4.91E-05	5.68E-05	2.57E-05	1.70E-08	5.13E-08	2.97E-08	3.44E-08	3.11E-08	1.42E-08	6.44E-09	0.00E+00	0.00E+00	5.46E-09	1.17E-09	7.40E-09	1.14E-09	4.98E-10	1.57E-08
3032	479203.24	3850393.52	4.62E-05	5.35E-05	2.42E-05	1.60E-08	4.83E-08	2.80E-08	3.24E-08	2.93E-08	1.34E-08	6.06E-09	0.00E+00	0.00E+00	5.14E-09	1.10E-09	6.97E-09	1.07E-09	4.69E-10	1.48E-08
3033	479253.24	3850393.52	4.71E-05	5.45E-05	2.47E-05	1.63E-08	4.93E-08	2.85E-08	3.30E-08	2.99E-08	1.36E-08	6.18E-09	0.00E+00	0.00E+00	5.25E-09	1.12E-09	7.11E-09	1.10E-09	4.79E-10	1.50E-08
3034	479303.24	3850393.52	4.82E-05	5.57E-05	2.52E-05	1.67E-08	5.03E-08	2.91E-08	3.37E-08	3.06E-08	1.39E-08	6.32E-09	0.00E+00	0.00E+00	5.36E-09	1.14E-09	7.26E-09	1.12E-09	4.89E-10	1.54E-08
3035	479353.24	3850393.52	4.85E-05	5.61E-05	2.54E-05	1.68E-08	5.07E-08	2.93E-08	3.40E-08	3.08E-08	1.40E-08	6.36E-09	0.00E+00	0.00E+00	5.40E-09	1.15E-09	7.31E-09	1.13E-09	4.92E-10	1.55E-08
3036	479403.24	3850393.52	4.97E-05	5.75E-05	2.60E-05	1.72E-08	5.20E-08	3.01E-08	3.48E-08	3.15E-08	1.44E-08	6.52E-09	0.00E+00	0.00E+00	5.53E-09	1.18E-09	7.50E-09	1.16E-09	5.05E-10	1.59E-08
3037	479453.24	3850393.52	5.10E-05	5.90E-05	2.67E-05	1.77E-08	5.33E-08	3.09E-08	3.57E-08	3.24E-08	1.48E-08	6.69E-09	0.00E+00	0.00E+00	5.68E-09	1.21E-09	7.69E-09	1.19E-09	5.18E-10	1.63E-08
3038	479503.24	3850393.52	5.24E-05	6.07E-05	2.75E-05	1.82E-08	5.48E-08	3.17E-08	3.67E-08	3.33E-08	1.52E-08	6.87E-09	0.00E+00	0.00E+00	5.84E-09	1.25E-09	7.91E-09	1.22E-09	5.32E-10	1.67E-08

3039	479303.24	3850443.52	4.77E-05	5.52E-05	2.50E-05	1.65E-08	4.99E-08	2.89E-08	3.34E-08	3.03E-08	1.38E-08	6.26E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.19E-09	1.11E-09	4.84E-10	1.52E-08
3040	479353.24	3850443.52	4.79E-05	5.54E-05	2.51E-05	1.66E-08	5.01E-08	2.90E-08	3.35E-08	3.04E-08	1.39E-08	6.28E-09	0.00E+00	0.00E+00	5.33E-09	1.14E-09	7.22E-09	1.11E-09	4.87E-10	1.53E-08
3041	479403.24	3850443.52	4.89E-05	5.66E-05	2.56E-05	1.69E-08	5.11E-08	2.96E-08	3.42E-08	3.10E-08	1.42E-08	6.41E-09	0.00E+00	0.00E+00	5.44E-09	1.16E-09	7.37E-09	1.14E-09	4.97E-10	1.56E-08
3042	479453.24	3850443.52	5.01E-05	5.79E-05	2.62E-05	1.73E-08	5.24E-08	3.03E-08	3.51E-08	3.18E-08	1.45E-08	6.57E-09	0.00E+00	0.00E+00	5.58E-09	1.19E-09	7.55E-09	1.16E-09	5.08E-10	1.60E-08
3043	479503.24	3850443.52	5.14E-05	5.95E-05	2.69E-05	1.78E-08	5.37E-08	3.11E-08	3.60E-08	3.26E-08	1.49E-08	6.74E-09	0.00E+00	0.00E+00	5.72E-09	1.22E-09	7.75E-09	1.20E-09	5.22E-10	1.64E-08
3044	480327.18	3850987.04	7.12E-05	8.24E-05	3.72E-05	2.47E-08	7.44E-08	4.31E-08	4.99E-08	4.52E-08	2.06E-08	9.32E-09	0.00E+00	0.00E+00	7.93E-09	1.69E-09	1.07E-08	1.66E-09	7.22E-10	2.27E-08
3045	480377.18	3850987.04	7.33E-05	8.48E-05	3.83E-05	2.54E-08	7.66E-08	4.43E-08	5.13E-08	4.65E-08	2.12E-08	9.59E-09	0.00E+00	0.00E+00	8.16E-09	1.74E-09	1.11E-08	1.70E-09	7.42E-10	2.34E-08
3046	480427.18	3850987.04	7.53E-05	8.72E-05	3.94E-05	2.61E-08	7.87E-08	4.56E-08	5.27E-08	4.78E-08	2.18E-08	9.85E-09	0.00E+00	0.00E+00	8.38E-09	1.79E-09	1.14E-08	1.75E-09	7.63E-10	2.40E-08
3047	480477.18	3850987.04	7.72E-05	8.93E-05	4.03E-05	2.67E-08	8.07E-08	4.67E-08	5.41E-08	4.90E-08	2.24E-08	1.01E-08	0.00E+00	0.00E+00	8.59E-09	1.83E-09	1.16E-08	1.80E-09	7.82E-10	2.46E-08
3048	480327.18	3851037.04	7.01E-05	8.12E-05	3.67E-05	2.43E-08	7.33E-08	4.24E-08	4.91E-08	4.45E-08	2.03E-08	9.18E-09	0.00E+00	0.00E+00	7.81E-09	1.67E-09	1.06E-08	1.63E-09	7.11E-10	2.24E-08
3049	480377.18	3851037.04	7.23E-05	8.36E-05	3.78E-05	2.50E-08	7.55E-08	4.37E-08	5.06E-08	4.59E-08	2.09E-08	9.45E-09	0.00E+00	0.00E+00	8.04E-09	1.72E-09	1.09E-08	1.68E-09	7.32E-10	2.31E-08
3050	480427.18	3851037.04	7.44E-05	8.61E-05	3.89E-05	2.57E-08	7.77E-08	4.50E-08	5.21E-08	4.72E-08	2.15E-08	9.73E-09	0.00E+00	0.00E+00	8.28E-09	1.77E-09	1.12E-08	1.73E-09	7.53E-10	2.37E-08
3051	480477.18	3851037.04	7.64E-05	8.84E-05	3.99E-05	2.65E-08	7.99E-08	4.62E-08	5.35E-08	4.85E-08	2.21E-08	1.00E-08	0.00E+00	0.00E+00	8.51E-09	1.82E-09	1.15E-08	1.78E-09	7.74E-10	2.44E-08
3052	480622.06	3851087.39	8.13E-05	9.41E-05	4.25E-05	2.81E-08	8.50E-08	4.92E-08	5.69E-08	5.16E-08	2.36E-08	1.06E-08	0.00E+00	0.00E+00	9.05E-09	1.93E-09	1.23E-08	1.89E-09	8.23E-10	2.60E-08
3053	480672.06	3851087.39	8.31E-05	9.62E-05	4.34E-05	2.88E-08	8.68E-08	5.03E-08	5.82E-08	5.27E-08	2.41E-08	1.09E-08	0.00E+00	0.00E+00	9.25E-09	1.97E-09	1.25E-08	1.93E-09	8.41E-10	2.65E-08
3054	480622.06	3851137.39	8.07E-05	9.33E-05	4.21E-05	2.79E-08	8.43E-08	4.88E-08	5.65E-08	5.12E-08	2.34E-08	1.05E-08	0.00E+00	0.00E+00	8.98E-09	1.92E-09	1.22E-08	1.88E-09	8.17E-10	2.58E-08
3055	480672.06	3851137.39	8.26E-05	9.56E-05	4.32E-05	2.86E-08	8.63E-08	5.00E-08	5.78E-08	5.24E-08	2.39E-08	1.08E-08	0.00E+00	0.00E+00	9.20E-09	1.96E-09	1.25E-08	1.92E-09	8.36E-10	2.64E-08
3056	480722.06	3851137.39	8.44E-05	9.77E-05	4.41E-05	2.92E-08	8.83E-08	5.11E-08	5.91E-08	5.36E-08	2.45E-08	1.10E-08	0.00E+00	0.00E+00	9.40E-09	2.01E-09	1.27E-08	1.96E-09	8.55E-10	2.70E-08
3057	480622.06	3851187.39	7.97E-05	9.23E-05	4.17E-05	2.76E-08	8.33E-08	4.82E-08	5.58E-08	5.06E-08	2.31E-08	1.04E-08	0.00E+00	0.00E+00	8.88E-09	1.90E-09	1.20E-08	1.85E-09	8.08E-10	2.55E-08
3058	480672.06	3851187.39	8.19E-05	9.48E-05	4.28E-05	2.84E-08	8.56E-08	4.96E-08	5.74E-08	5.20E-08	2.37E-08	1.07E-08	0.00E+00	0.00E+00	9.12E-09	1.95E-09	1.24E-08	1.91E-09	8.29E-10	2.62E-08
3059	480722.06	3851187.39	8.39E-05	9.71E-05	4.38E-05	2.91E-08	8.77E-08	5.08E-08	5.88E-08	5.33E-08	2.43E-08	1.10E-08	0.00E+00	0.00E+00	9.34E-09	2.00E-09	1.27E-08	1.95E-09	8.50E-10	2.68E-08
3060	471363.09	3845877.25	1.32E-05	1.53E-05	7.01E-06	4.58E-09	1.38E-08	8.01E-09	9.26E-09	8.39E-09	3.83E-09	1.75E-09	0.00E+00	0.00E+00	1.47E-09	3.14E-10	1.99E-09	3.07E-10	1.36E-10	4.23E-09
3061	471863.09	3845877.25	1.27E-05	1.46E-05	6.70E-06	4.38E-09	1.32E-08	7.66E-09	8.84E-09	8.02E-09	3.66E-09	1.68E-09	0.00E+00	0.00E+00	1.41E-09	3.00E-10	1.91E-09	2.94E-10	1.30E-10	4.04E-09
3062	472363.09	3845877.25	1.36E-05	1.57E-05	7.19E-06	4.70E-09	1.42E-08	8.22E-09	9.49E-09	8.61E-09	3.93E-09	1.80E-09	0.00E+00	0.00E+00	1.51E-09	3.22E-10	2.04E-09	3.15E-10	1.39E-10	4.33E-09
3063	472863.09	3845877.25	1.17E-05	1.35E-05	6.21E-06	4.05E-09	1.22E-08	7.08E-09	8.18E-09	7.41E-09	3.38E-09	1.55E-09	0.00E+00	0.00E+00	1.30E-09	2.78E-10	1.76E-09	2.72E-10	1.20E-10	3.73E-09
3064	473363.09	3845877.25	1.10E-05	1.27E-05	5.87E-06	3.82E-09	1.15E-08	6.68E-09	7.71E-09	6.99E-09	3.19E-09	1.47E-09	0.00E+00	0.00E+00	1.23E-09	2.62E-10	1.66E-09	2.56E-10	1.14E-10	3.52E-09
3065	473863.09	3845877.25	1.17E-05	1.35E-05	6.21E-06	4.05E-09	1.22E-08	7.08E-09	8.18E-09	7.41E-09	3.38E-09	1.55E-09	0.00E+00	0.00E+00	1.30E-09	2.78E-10	1.76E-09	2.72E-10	1.20E-10	3.73E-09
3066	474363.09	3845877.25	1.34E-05	1.54E-05	7.07E-06	4.62E-09	1.40E-08	8.08E-09	9.34E-09	8.46E-09	3.86E-09	1.77E-09	0.00E+00	0.00E+00	1.49E-09	3.17E-10	2.01E-09	3.10E-10	1.37E-10	4.26E-09
3067	474863.09	3845877.25	1.62E-05	1.87E-05	8.52E-06	5.59E-09	1.69E-08	9.78E-09	1.13E-08	1.02E-08	4.67E-09	2.13E-09	0.00E+00	0.00E+00	1.80E-09	3.83E-10	2.43E-09	3.75E-10	1.65E-10	5.16E-09
3068	475363.09	3845877.25	2.26E-05	2.62E-05	1.19E-05	7.84E-09	2.37E-08	1.37E-08	1.58E-08	1.44E-08	6.55E-09	2.98E-09	0.00E+00	0.00E+00	2.52E-09	5.38E-10	3.41E-09	5.26E-10	2.30E-10	7.22E-09
3069	475863.09	3845877.25	2.36E-05	2.72E-05	1.24E-05	8.15E-09	2.46E-08	1.43E-08	1.65E-08	1.49E-08	6.82E-09	3.10E-09	0.00E+00	0.00E+00	2.62E-09	5.59E-10	3.55E-09	5.47E-10	2.40E-10	7.52E-09
3070	476363.09	3845877.25	2.18E-05	2.52E-05	1.15E-05	7.54E-09	2.28E-08	1.32E-08	1.52E-08	1.38E-08	6.31E-09	2.87E-09	0.00E+00	0.00E+00	2.43E-09	5.18E-10	3.28E-09	5.06E-10	2.22E-10	6.96E-09
3071	476863.09	3845877.25	2.07E-05	2.39E-05	1.09E-05	7.17E-09	2.16E-08	1.25E-08	1.45E-08	1.31E-08	5.99E-09	2.73E-09	0.00E+00	0.00E+00	2.30E-09	4.92E-10	3.12E-09	4.81E-10	2.11E-10	6.61E-09
3072	477363.09	3845877.25	1.52E-05	1.76E-05	8.05E-06	5.26E-09	1.59E-08	9.20E-09	1.06E-08	9.64E-09	4.40E-09	2.02E-09	0.00E+00	0.00E+00	1.69E-09	3.61E-10	2.29E-09	3.53E-10	1.56E-10	4.85E-09
3073	477863.09	3845877.25	1.32E-05	1.52E-05	6.99E-06	4.55E-09	1.38E-08	7.96E-09	9.19E-09	8.33E-09	3.80E-09	1.75E-09	0.00E+00	0.00E+00	1.46E-09	3.12E-10	1.98E-09	3.05E-10	1.35E-10	4.20E-09
3074	478363.09	3845877.25	1.41E-05	1.63E-05	7.50E-06	4.90E-09	1.48E-08	8.56E-09	9.88E-09	8.96E-09	4.09E-09	1.88E-09	0.00E+00	0.00E+00	1.57E-09	3.35E-10	2.13E-09	3.28E-10	1.45E-10	4.51E-09
3075	478863.09	3845877.25	1.23E-05	1.42E-05	6.56E-06	4.27E-09	1.29E-08	7.46E-09	8.62E-09	7.81E-09	3.56E-09	1.64E-09	0.00E+00	0.00E+00	1.37E-09	2.92E-10	1.86E-09	2.86E-10	1.27E-10	3.93E-09
3076	479363.09	3845877.25	1.17E-05	1.36E-05	6.25E-06	4.07E-09	1.23E-08	7.11E-09	8.20E-09	7.44E-09	3.39E-09	1.57E-09	0.00E+00	0.00E+00	1.31E-09	2.78E-10	1.77E-09	2.72E-10	1.21E-10	3.75E-09
3077	479863.09	3845877.25	1.19E-05	1.37E-05	6.33E-06	4.12E-09	1.24E-08	7.20E-09	8.31E-09	7.53E-09	3.44E-09	1.59E-09	0.00E+00	0.00E+00	1.32E-09	2.82E-10	1.79E-09	2.76E-10	1.23E-10	3.79E-09
3078	480363.09	3845877.25	1.05E-05	1.21E-05	5.59E-06	3.62E-09	1.09E-08	6.33E-09	7.31E-09	6.62E-09	3.02E-09	1.40E-09	0.00E+00	0.00E+00	1.17E-09	2.48E-10	1.57E-09	2.43E-10	1.08E-10	3.34E-09
3079	480863.09	3845877.25	9.15E-06	1.05E-05	4.91E-06	3.17E-09	9.56E-09	5.54E-09	6.38E-09	5.79E-09	2.64E-09	1.23E-09	0.00E+00	0.00E+00	1.02E-09	2.17E-10	1.37E-09	2.12E-10	9.52E-11	2.92E-09
3080	481363.09	3845877.25	8.02E-06	9.23E-06	4.33E-06	2.78E-09	8.38E-09	4.85E-09	5.59E-09	5.07E-09	2.31E-09	1.08E-09	0.00E+00	0.00E+00	8.93E-10	1.90E-10	1.20E-09	1.86E-10	8.38E-11	2.56E-09
3081	481863.09	3845877.25	7.47E-06	8.60E-06	4.05E-06	2.59E-09	7.81E-09	4.52E-09	5.21E-09	4.72E-09	2.15E-09	1.01E-09	0.00E+00	0.00E+00	8.32E-10	1.77E-10	1.12E-09	1.73E-10	7.84E-11	2.38E-09
3082	482363.09	3845877.25	7.15E-06	8.23E-06	3.88E-06	2.47E-09	7.47E-09	4.33E-09	4.98E-09	4.51E-09	2.06E-09	9.71E-10	0.00E+00	0.00E+00	7.96E-10	1.69E-10	1.07E-09	1.65E-10	7.52E-11	2.28E-09
3083	482863.09	3845877.25	5.83E-06	6.70E-06	3.20E-06	2.02E-09	6.09E-09	3.53E-09	4.05E-09	3.67E-09	1.68E-09	8.00E-10	0.00E+00	0.00E+00	6.49E-10	1.38E-10	8.73E-10	1.35E-10	6.20E-11	1.86E-09
3084	483363.09	3845877.25	5.36E-06	6.15E-06	2.96E-06	1.86E-09	5.60E-09	3.24E-09	3.72E-09	3.37E-09	1.54E-09	7.40E-10	0.00E+00	0.00E+00	5.97E-10	1.26E-10	8.02E-10	1.24E-10	5.73E-11	1.71E-09
3085	483863.09	3845877.25	6.12E-06	7.03E-06	3.37E-06	2.12E-09	6.40E-09	3.70E-09	4.25E-09	3.86E-09	1.76E-09	8.43E-10	0.00E+00	0.00E+00	6.82E-10	1.44E-10	9.16E-10	1.41E-10	6.53E-11	1.95E-09
3086	484363.09	3845877.25	5.99E-06	6.87E-06	3.30E-06	2.07E-09	6.26E-09	3.62E-09	4.16E-09	3.77E-09	1.72E-09	8.27E-10	0.00E+00	0.00E+00	6.67E-10	1.41E-10	8.96E-10	1.38E-10	6.40E-11	1.91E-09
3087	484863.09	3845877.25	5.83E-06	6.69E-06	3.22E-06	2.02E-09	6.10E-09	3.53E-09	4.05E-09	3.67E-09	1.68E-09	8.05E-10	0.00E+00	0.00E+00	6.49E-10	1.37E-10	8.72E-10	1.35E-10	6.24E-11	1.86E-09
3088	485363.09	3845877.25	5.52E-06	6.33E-06	3.04E-06	1.91E-09	5.77E-09	3.34E-09	3.83E-09	3.47E-09	1.58E-09	7.61E-10	0.00E+00	0.00E+00	6.14E-10	1.30E-10	8.25E-10	1.27E-10	5.90E-11	1.76E-09
3089	485863.09	3845877.25	5.23E-06	6.01E-06	2.89E-06	1.81E-09	5.47E-09	3.17E-09	3.64E-09	3.30E-09	1.50E-09	7.22E-10	0.00E+00	0.00E+00	5.83E-10	1.23E-10	7.83E-10	1.21E-10	5.59E-11	1.67E-09
3090	486363.09	3845877.25	5.07E-06	5.82E-06	2.79E-06	1.75E-09	5.30E-09	3.07E-09	3.52E-09	3.19E-09	1.46E-09	6.98E-10	0.00E+00	0.00E+00	5.64E-10	1.20E-10	7.59E-10	1.17E-10	5.41E-11	1.61E-09
3091	486863.09	3845877.25	4.65E-06	5.33E-06	2.56E-06	1.61E-09	4.86E-09	2.81E-09	3.23E-09	2.93E-09	1.34E-09	6.41E-10	0.00E+00	0.00E+00	5.17E-10	1.10E-10	6.95E-10	1.07E-10	4.97E-11	1.48E-09
3092	487363.09	3845877.25	4.53E-06	5.20E-06	2.50E-06	1.57E-09	4.73E-09	2.74E-09	3.14E-09	2.85E-09	1.30E-09	6.25E-10	0.00E+00	0.00E+00	5.04E-10	1.07E-10	6.77E-10	1.04E-10	4.84E-11	1.44E-09
3093	487863.09	3845877.25	4.34E-06	4.98E-06	2.40E-06	1.50E-09	4.54E-09	2.63E-09	3.01E-09	2.73E-09	1.25E-09	6.00E-10	0.00E+00	0.00E+00	4.83E-10	1.02E-10	6.49E-10	1.00E-10	4.64E-11	1.38E-09
3094	488363.09	3845877.25	4.27E-06	4.90E-06	2.36E-06	1.48E-09	4.46E-09	2.58E-09	2.96E-09	2.69E-09	1.23E-09	5.91E-10	0.00E+00	0.00E+00	4.75E-10	1.01E-10	6.38E-10	9.84E-11	4.57E-11	1.36E-09
3095	488863.09	3845877.25	4.64E-06	5.32E-06	2.57E-06	1.61E-09	4.85E-09	2.81E-09	3.22E-09	2.92E-09	1.33E-09	6.44E-10	0.00E+00	0.00E+00	5.16E-10	1.09E-10	6.93E-10	1.07E-10	4.98E-11	1.48E-09
3096	489363.09	3845877.25	4.65E-06	5.33E-06	2.58E-06	1.61E-09	4.86E-09	2.81E-09	3.22E-09	2.92E-09	1.33E-09	6.46E-10	0.00E+00	0.00E+00	5.17E-10	1.09E-10	6.94E-10	1.07E-10	5.00E-11	1.48E-09
3097	489863.09	3845877.25	4.58E-06	5.25E-06	2.55E-06	1.58E-09	4.78E-09	2.77E-09	3.17E-09	2.88E-09	1.31E-09	6.37E-10	0.00E+00	0.00E+00	5.10E-10	1.08E-10	6.84E-10	1.05E-10	4.93E-11	1.46E-09
3098	490363.09	3845877.25	4.33E-06	4.97E-06	2.41E-06	1.50E-09	4.53E-09	2.62E-09	3.01E-09	2.72E-09	1.24E-09	6.03E-10	0.00E+00	0.00E+00	4.82E-10	1.02E-10	6.47E-10	9.98E-11	4.67E-11	1.38E-09
3099	490863.09	3845877.25	4.02E-06	4.61E-06	2.23E-06	1.39E-09	4.20E-09	2.43E-09	2.79E-09	2.53E-09	1.15E-09	5.59E-10	0.00E+00	0.00E+00	4.47E-10	9.46E-11	6.00E-10	9.26E-11	4.33E-11	1.28E-09
3100	491363.09	3845877.25	4.25E-06	4.88E-06	2.36E-06	1.47E-09	4.45E-09	2.57E-09	2.95E-09	2.67E-09	1.22E-09	5.92E-10	0.00E+00	0.00E+00	4.74E-10	1.00E-10	6.36E-10	9.80E-11	4.58E-11	1.35E-09
3101	491863.09	3845877.25	4.53E-06	5.19E-06	2.51E-06	1.57E-09	4.73E-09	2.74E-09	3.14E-09	2.85E-09	1.30E-09	6.29E-10	0.00E+00	0.00E+00	5.04E-10	1.07E-10	6.76E-10	1.04E-10	4.87E-11	1.44E-09
3102	492363.09	3845877.25	4.52E-06	5.18E-06	2.51E-06	1.56E-09	4.72E-09	2.73E-09	3.14E-09	2.84E-09	1.30E-09	6.27E-10	0.00E+00	0.00E+00	5.03E-10	1.06E-10	6.75E-10	1.04E-10	4.86E-11	1.44E-09
3103	492863.09	3845877.25	5.13E-06	5.89E-06	2.84E-06	1.78E-09	5.37E-09	3.11E-09	3.56E-09	3.23E-09	1.47E-09	7.10E-10	0.00E+00	0.00E+00	5.71E-10	1.21E-10	7.68E-10	1.18E-10	5.50E-11	1.63E-09
3104	493363.09	3845877.25	5.44E-06	6.24E-06	3.00E-06	1.88E-09	5.68E-09	3.29E-09	3.78E-09	3.42E-09	1.56E-09	7.50E-10	0.00E+00	0.00E+00	6.05E-10	1.28E-10	8.13E-10	1.25E-10	5.81E-11	1.73E-09
3105	493863.09	3845877.25	5.81E-06	6.67E-06	3.19E-06	2.01E-09	6.07E-09	3.51E-09	4.03E-09	3.66E-09	1.67E-09	7.99E-10	0.00E+00	0.00E+00	6.46E-10	1.37E-10	8.69E-10	1.34E-10	6.19E-11	1.85E-09
3106	494363.09	3845877.25	6.25E-06	7.18E-06	3.42E-06	2.16E-09	6.53E-09	3.78E-09	4.35E-09	3.94E-09	1.80E-09	8.57E-10	0.00E+00	0.00E+00	6.96E-10	1.47E-10	9.36E-10	1.44E-10	6.63E-11	1.99E-09
3107	494863.09	3845877.25	6.48E-06	7.44E-06	3.54E-06	2.24E-09	6.77E-09	3.92E-09	4.50E-09	4.08E-09	1.86E-09	8.87E-10	0.00E+00	0.00E+00	7.21E-10	1.53E-10	9.70E-10	1.50E-10	6.87E-11	2.06E-09
3108	495363.09	3845877.25	6.89E-06	7.92E-06	3.77E-06	2.39E-09	7.20E-09	4.17E-09	4.79E-09	4.35E-09	1.98E-09	9.43E-10	0.00E+00	0.00E+00	7.67E-10	1.63E-10	1.03E-09	1.59E-10	7.30E-11	2.19E-09
3109	495863.09	3845877.25	7.27E-06	8.36E-06	3.96E-06	2.52E-09	7.60E-09	4.40E-09	5.06E-09	4.58E-09	2.09E-09	9.92E-10	0.00E+00	0.00E+00	8.09E-10	1.72E-10	1.09E-09	1.68E-10	7.68E-11	2.31E-09
3110	496363.09	3845877.25	7.58E-06	8.71E-06	4.13E-06	2.62E-09	7.92E-09	4.58E-09	5.27E-09	4.78E-09	2.18E-09	1.03E-09	0.00E+00	0.00E+00	8.43E-10	1.79E-10	1.14E-09	1.75E-10	8.00E-11	2.41E-09
3111	496863.09	3845877.25	7.81E-06	8.98E-06	4.26E-06	2.71E-09	8.17E-09	4.73E-09	5.44E-09	4.93E-09	2.25E-09	1.07E-09	0.00E+00	0.00E+00	8.70E-10	1.85E-10	1.17E-09	1.81E-10	8.26E-11	2.49E-09
3112	497363.09	3845877.25	8.21E-06	9.44E-06	4.48E-06	2.84E-09	8.58E-09	4.97E-09	5.71E-09	5.18E-09	2.36E-09	1.12E-09	0.00E+00	0.00E+00	9.14E-10	1.94E-10	1.23E-09	1.90E-10	8.68E-11	2.61E-09
3113	497863.09	3845877.25	8.71E-06	1.00E-05	4.76E-06	3.02E-09	9.11E-09	5.27E-09	6.06E-09	5.49E-09	2.51E-09	1.19E-09	0.00E+00	0.00E+00	9.70E-10	2.06E-10	1.31E-09	2.01E-10	9.22E-11	2.77E-09
3114	498363.09	3845877.25	9.18E-06	1.06E-05	5.01E-06	3.18E-09	9.60E-09	5.56E-09	6.39E-09	5.79E-09	2.64E-09	1.25E-09	0.00E+00	0.00E+00	1.02E-09	2.17E-10	1.38E-09	2.12E-10	9.72E-11	2.92E-09
3115	471363.09	3846377.25	1.86E-05	2.15E-05	9.82E-06	6.45E-09	1.95E-08	1.13E-08	1.30E-08	1.18E-08	5.39E-09	2.46E-09	0.00E+00	0.00E+00	2.07E-09	4.42E-10	2.81E-09	4.33E-10	1.90E-10	5.95E-09
3116	471863.09	3846377.25	1.77E-05	2.05E-05	9.34E-06	6.13E-09	1.85E-08	1.07E-08	1.24E-08	1.12E-08	5.12E-09	2.34E-09	0.00E+00	0.00E+00	1.97E-09	4.20E-10	2.67E-09	4.11E-10	1.81E-10	5.65E-09
3117	472363.09	3846377.25	1.38E-05	1.59E-05	7.29E-06	4.77E-09	1.44E-08	8.33E-09	9.62E-09	8.72E-09	3.98E-09	1.82E-09	0.00E+00	0.00E+00	1.53E-09	3.27E-10	2.07E-09	3.20E-10	1.41E-10	4.39E-09
3118	472863.09	3846377.25	1.37E-05	1.59E-05	7.27E-06	4.75E-09	1.44E-08	8.31E-09	9.60E-09	8.70E-09	3.97E-09	1.82E-09	0.00E+00	0.00E+00	1.53E-09	3.26E-10	2.07E-09	3.19E-10	1.41E-10	4.38E-09
3119	473363.09	3846377.25	1.37E-05	1.58E-05	7.25E-06	4.74E-09	1.43E-08	8.29E-09	9.58E-09	8.68E-09	3.96E-09	1.82E-09	0.00E+00	0.00E+00	1.53E-09	3.25E-10	2.06E-09	3.18E-10	1.41E-10	4.37E-09
3120	473863.09	3846377.25	1.33E-05	1.54E-05	7.04E-06	4.60E-09	1.39E-08	8.05E-09	9.29E-09	8.42E-09	3.84E-09	1.76E-09	0.00E+00	0.00E+00	1.48E-09	3.15E-10	2.00E-09	3.09E-10	1.37E-10	4.24E-09
3121	474363.09	3846377.25	1.38E-05	1.59E-05	7.29E-06	4.77E-09	1.44E-08	8.34E-09	9.63E-09	8.73E-09	3.98E-09	1.83E-09	0.00E+00	0.00E+00	1.53E-09	3.27E-10	2.07E-09	3.20E-10	1.41E-10	4.39E-09
3122	474863.09	3846377.25	1.57E-05	1.81E-05	8.27E-06	5.42E-09	1.64E-08	9.47E-09	1.09E-08	9.92E-09	4.53E-09	2.07E-09	0.00E+00	0.00E+00	1.74E-09	3.71E-10	2.36E-09	3.63E-10	1.60E-10	4.99E-09
3123	475363.09	3846377.25	1.86E-05	2.15E-05	9.80E-06	6.44E-09	1.94E-08	1.13E-08	1.30E-08	1.18E-08	5.38E-09	2.45E-09	0.00E+00	0.00E+00	2.07E-09	4.42E-10	2.80E-09	4.32E-10	1.90E-10	5.94E-09
3124	475863.09	3846377.25	2.57E-05	2.98E-05	1.35E-05	8.91E-09	2.69E-08	1.56E-08	1.80E-08	1.63E-08	7.45E-09	3.38E-09	0.00E+00	0.00E+00	2.87E-09	6.11E-10	3.88E-09	5.98E-10	2.62E-10	8.22E-09
3125	476363.09	3846377.25	2.58E-05	2.99E-05	1.36E-05	8.94E-09	2.70E-08	1.56E-08	1.81E-08	1.64E-08	7.47E-09	3.39E-09	0.00E+00	0.00E+00	2.87E-09	6.13E-10	3.89E-09	6.00E-10	2.63E-10	8.24E-09
3126	476863.09	3846377.25	2.41E-05	2.79E-05	1.27E-05	8.34E-09	2.52E-08	1.46E-08	1.69E-08	1.53E-08	6.97E-09	3.17E-09	0.00E+00	0.00E+00	2.68E-09	5.72E-10	3.63E-09	5.60E-10	2.45E-10	7.69E-09
3127	477363.09	3846377.25	2.24E-05	2.59E-05	1.18E-05	7.75E-09	2.34E-08	1.35E-08	1.57E-08	1.42E-08	6.47E-09	2.95E-09	0.00E+00	0.00E+00	2.49E-09	5.31E-10	3.37E-09	5.20E-10	2.28E-10	7.14E-09
3128	477863.09	3846377.25	1.58E-05	1.82E-05	8.36E-06	5.46E-09	1.65E-08	9.55E-09	1.10E-08	1.00E-08	4.56E-09	2.09E-09	0.00E+00	0.00E+00	1.76E-09	3.74E-10	2.38E-09	3.66E-10	1.62E-10	5.03E-09
3129	478363.09	3846377.25	1.50E-05	1.73E-05	7.97E-06	5.20E-09	1.57E-08	9.09E-09	1.05E-08	9.51E-09	4.34E-09	1.99E-09	0.00E+00	0.00E+00	1.67E-09	3.56E-10	2.26E-09	3.49E-10	1.54E-10	4.79E-09
3130	478863.09	3846377.25	1.58E-05	1.82E-05	8.36E-06	5.46E-09	1.65E-08	9.55E-09	1.10E-08	1.00E-08	4.56E-09	2.09E-09	0.00E+00	0.00E+00	1.76E-09	3.74E-10	2.38E-09	3.66E-10	1.62E-10	5.04E-09
3131	479363.09	3846377.25	1.38E-05	1.60E-05	7.34E-06	4.79E-09	1.44E-08	8.36E-09	9.66E-09	8.75E-09	3.99E-09	1.84E-09	0.00E+00	0.00E+00	1.54E-09	3.28E-10	2.08E-09	3.21E-10	1.42E-10	4.41E-09
3132	479863.09	3846377.25	1.28E-05	1.48E-05	6.82E-06	4.44E-09	1.34E-08	7.76E-09	8.96E-09	8.12E-09	3.71E-09	1.71E-09	0.00E+00	0.00E+00	1.43E-09	3.04E-10	1.93E-09	2.98E-10	1.32E-10	4.09E-09
3133	480363.09	3846377.25	1.34E-05	1.54E-05	7.10E-06	4.62E-09	1.40E-08	8.08E-09	9.33E-09	8.45E-09	3.86E-09	1.78E-09	0.00E+00	0.00E+00	1.49E-09	3.17E-10	2.01E-09	3.10E-10	1.38E-10	4.26E-09
3134	480863.09	3846377.25	1.09E-05	1.26E-05	5.84E-06	3.78E-09	1.14E-08	6.61E-09	7.63E-09	6.91E-09	3.15E-09	1.46E-09	0.00E+00	0.00E+00	1.22E-09	2.59E-10	1.64E-09	2.53E-10	1.13E-10	3.48E-09
3135	481363.09	3846377.25	9.76E-06	1.12E-05	5.24E-06	3.38E-09	1.02E-08	5.91E-09	6.81E-09	6.17E-09	2.82E-09	1.31E-09	0.00E+00	0.00E+00	1.09E-09	2.31E-10	1.47E-09	2.26E-10	1.01E-10	3.11E-09
3136	481863.09	3846377.25	8.44E-06	9.72E-06	4.55E-06	2.92E-09	8.82E-09	5.11E-09	5.88E-09	5.33E-09	2.43E-09	1.14E-09	0.00E+00	0.00E+00	9.40E-10	2.00E-10	1.27E-09	1.95E-10	8.82E-11	2.69E-09
3137	482363.09	3846377.25	7.97E-06	9.17E-06	4.31E-06	2.76E-09	8.33E-09	4.82E-09	5.55E-09	5.03E-09	2.30E-09	1.08E-09	0.00E+00	0.00E+00	8.87E-10	1.88E-10	1.20E-09	1.84E-10	8.36E-11	2.54E-09
3138	482863.09	3846377.25	6.80E-06	7.82E-06	3.71E-06	2.35E-09	7.11E-09	4.11E-09	4.73E-09	4.29E-09	1.96E-09	9.28E-10	0.00E+00	0.00E+00	7.57E-10	1.61E-10	1.02E-09	1.57E-10	7.18E-11	2.17E-09
3139	483363.09	3846377.25	7.00E-06	8.05E-06	3.82E-06	2.42E-09	7.31E-09	4.23E-09	4.87E-09	4.41E-09	2.01E-09	9.56E-10	0.00E+00	0.00E+00	7.79E-10	1.65E-10	1.05E-09	1.62E-10	7.40E-11	2.23E-09
3140	483863.09	3846377.25	6.87E-06	7.90E-06	3.76E-06	2.38E-09	7.18E-09	4.16E-09	4.78E-09	4.33E-09	1.98E-09	9.42E-10	0.00E+00	0.00E+00	7.65E-10	1.62E-10	1.03E-09	1.59E-10	7.29E-11	2.19E-09
3141	484363.09	3846377.25	6.30E-06	7.23E-06	3.47E-06	2.18E-09	6.58E-09	3.81E-09	4.37E-09	3.96E-09	1.81E-09	8.68E-10	0.00E+00	0.00E+00	7.01E-10	1.48E-10	9.42E-10	1.45E-10	6.72E-11	2.00E-09
3142	484863.09	3846377.25	6.71E-06	7.70E-06	3.69E-06	2.32E-09	7.01E-09	4.06E-09	4.66E-09	4.23E-09	1.93E-09	9.23E-10	0.00E+00	0.00E+00	7.47E-10	1.58E-10	1.00E-09	1.55E-10	7.14E-11	2.13E-09
3143	485363.09	3846377.25	6.55E-06	7.52E-06	3.60E-06	2.27E-09	6.84E-09	3.96E-09	4.55E-09	4.12E-09	1.88E-09	9.00E-10	0.00E+00	0.00E+00	7.29E-10	1.54E-10	9.80E-10	1.51E-10	6.97E-11	2.08E-09

3144	485863.09	3846377.25	5.85E-06	6.72E-06	3.22E-06	2.02E-09	6.11E-09	3.54E-09	4.06E-09	3.68E-09	1.68E-09	8.05E-10	0.00E+00	0.00E+00	6.51E-10	1.38E-10	8.75E-10	1.35E-10	6.23E-11	1.86E-09
3145	486363.09	3846377.25	5.05E-06	5.79E-06	2.78E-06	1.75E-09	5.27E-09	3.05E-09	3.50E-09	3.18E-09	1.45E-09	6.97E-10	0.00E+00	0.00E+00	5.62E-10	1.19E-10	7.55E-10	1.16E-10	5.40E-11	1.61E-09
3146	486863.09	3846377.25	4.81E-06	5.52E-06	2.65E-06	1.66E-09	5.02E-09	2.91E-09	3.34E-09	3.03E-09	1.38E-09	6.64E-10	0.00E+00	0.00E+00	5.35E-10	1.13E-10	7.19E-10	1.11E-10	5.14E-11	1.53E-09
3147	487363.09	3846377.25	4.84E-06	5.56E-06	2.67E-06	1.68E-09	5.06E-09	2.93E-09	3.36E-09	3.05E-09	1.39E-09	6.67E-10	0.00E+00	0.00E+00	5.39E-10	1.14E-10	7.24E-10	1.12E-10	5.17E-11	1.54E-09
3148	487863.09	3846377.25	5.18E-06	5.95E-06	2.85E-06	1.79E-09	5.41E-09	3.13E-09	3.60E-09	3.26E-09	1.49E-09	7.12E-10	0.00E+00	0.00E+00	5.76E-10	1.22E-10	7.75E-10	1.20E-10	5.52E-11	1.65E-09
3149	488363.09	3846377.25	5.16E-06	5.92E-06	2.84E-06	1.79E-09	5.39E-09	3.12E-09	3.58E-09	3.25E-09	1.48E-09	7.12E-10	0.00E+00	0.00E+00	5.74E-10	1.22E-10	7.72E-10	1.19E-10	5.51E-11	1.64E-09
3150	488863.09	3846377.25	5.03E-06	5.77E-06	2.79E-06	1.74E-09	5.26E-09	3.04E-09	3.49E-09	3.16E-09	1.44E-09	6.97E-10	0.00E+00	0.00E+00	5.60E-10	1.18E-10	7.52E-10	1.16E-10	5.40E-11	1.60E-09
3151	489363.09	3846377.25	5.08E-06	5.83E-06	2.82E-06	1.76E-09	5.31E-09	3.08E-09	3.53E-09	3.20E-09	1.46E-09	7.07E-10	0.00E+00	0.00E+00	5.66E-10	1.20E-10	7.60E-10	1.17E-10	5.47E-11	1.62E-09
3152	489863.09	3846377.25	5.00E-06	5.74E-06	2.78E-06	1.73E-09	5.23E-09	3.03E-09	3.47E-09	3.15E-09	1.44E-09	6.95E-10	0.00E+00	0.00E+00	5.57E-10	1.18E-10	7.47E-10	1.15E-10	5.38E-11	1.59E-09
3153	490363.09	3846377.25	4.53E-06	5.19E-06	2.51E-06	1.57E-09	4.73E-09	2.74E-09	3.14E-09	2.85E-09	1.30E-09	6.29E-10	0.00E+00	0.00E+00	5.04E-10	1.07E-10	6.77E-10	1.04E-10	4.87E-11	1.44E-09
3154	490863.09	3846377.25	4.41E-06	5.06E-06	2.45E-06	1.53E-09	4.61E-09	2.67E-09	3.06E-09	2.77E-09	1.27E-09	6.13E-10	0.00E+00	0.00E+00	4.91E-10	1.04E-10	6.59E-10	1.02E-10	4.75E-11	1.40E-09
3155	491363.09	3846377.25	4.49E-06	5.15E-06	2.49E-06	1.55E-09	4.69E-09	2.72E-09	3.11E-09	2.82E-09	1.29E-09	6.24E-10	0.00E+00	0.00E+00	5.00E-10	1.06E-10	6.71E-10	1.03E-10	4.83E-11	1.43E-09
3156	491863.09	3846377.25	5.10E-06	5.86E-06	2.83E-06	1.77E-09	5.34E-09	3.09E-09	3.54E-09	3.21E-09	1.47E-09	7.07E-10	0.00E+00	0.00E+00	5.68E-10	1.20E-10	7.63E-10	1.18E-10	5.48E-11	1.62E-09
3157	492363.09	3846377.25	5.26E-06	6.03E-06	2.91E-06	1.82E-09	5.49E-09	3.18E-09	3.65E-09	3.31E-09	1.51E-09	7.28E-10	0.00E+00	0.00E+00	5.85E-10	1.24E-10	7.86E-10	1.21E-10	5.63E-11	1.67E-09
3158	492863.09	3846377.25	5.48E-06	6.29E-06	3.03E-06	1.90E-09	5.73E-09	3.32E-09	3.81E-09	3.45E-09	1.57E-09	7.58E-10	0.00E+00	0.00E+00	6.10E-10	1.29E-10	8.20E-10	1.26E-10	5.87E-11	1.74E-09
3159	493363.09	3846377.25	5.97E-06	6.86E-06	3.29E-06	2.07E-09	6.24E-09	3.61E-09	4.15E-09	3.76E-09	1.72E-09	8.22E-10	0.00E+00	0.00E+00	6.65E-10	1.41E-10	8.93E-10	1.38E-10	6.37E-11	1.90E-09
3160	493863.09	3846377.25	6.41E-06	7.37E-06	3.52E-06	2.22E-09	6.70E-09	3.88E-09	4.46E-09	4.04E-09	1.84E-09	8.80E-10	0.00E+00	0.00E+00	7.14E-10	1.51E-10	9.60E-10	1.48E-10	6.82E-11	2.04E-09
3161	494363.09	3846377.25	6.86E-06	7.89E-06	3.75E-06	2.37E-09	7.17E-09	4.15E-09	4.77E-09	4.32E-09	1.97E-09	9.39E-10	0.00E+00	0.00E+00	7.64E-10	1.62E-10	1.03E-09	1.58E-10	7.27E-11	2.18E-09
3162	494863.09	3846377.25	7.28E-06	8.37E-06	3.97E-06	2.52E-09	7.61E-09	4.40E-09	5.06E-09	4.59E-09	2.09E-09	9.95E-10	0.00E+00	0.00E+00	8.10E-10	1.72E-10	1.09E-09	1.68E-10	7.70E-11	2.32E-09
3163	495363.09	3846377.25	7.62E-06	8.76E-06	4.15E-06	2.64E-09	7.96E-09	4.61E-09	5.30E-09	4.80E-09	2.19E-09	1.04E-09	0.00E+00	0.00E+00	8.48E-10	1.80E-10	1.14E-09	1.76E-10	8.05E-11	2.43E-09
3164	495863.09	3846377.25	8.00E-06	9.20E-06	4.36E-06	2.77E-09	8.36E-09	4.84E-09	5.56E-09	5.04E-09	2.30E-09	1.09E-09	0.00E+00	0.00E+00	8.90E-10	1.89E-10	1.20E-09	1.85E-10	8.44E-11	2.55E-09
3165	496363.09	3846377.25	8.38E-06	9.64E-06	4.57E-06	2.90E-09	8.76E-09	5.07E-09	5.83E-09	5.29E-09	2.41E-09	1.14E-09	0.00E+00	0.00E+00	9.33E-10	1.98E-10	1.26E-09	1.94E-10	8.85E-11	2.67E-09
3166	496863.09	3846377.25	8.92E-06	1.03E-05	4.86E-06	3.09E-09	9.33E-09	5.40E-09	6.21E-09	5.63E-09	2.57E-09	1.22E-09	0.00E+00	0.00E+00	9.93E-10	2.11E-10	1.34E-09	2.06E-10	9.42E-11	2.84E-09
3167	497363.09	3846377.25	9.51E-06	1.09E-05	5.18E-06	3.29E-09	9.94E-09	5.75E-09	6.62E-09	6.00E-09	2.74E-09	1.30E-09	0.00E+00	0.00E+00	1.06E-09	2.25E-10	1.43E-09	2.20E-10	1.00E-10	3.03E-09
3168	497863.09	3846377.25	1.01E-05	1.16E-05	5.50E-06	3.49E-09	1.05E-08	6.11E-09	7.02E-09	6.37E-09	2.90E-09	1.38E-09	0.00E+00	0.00E+00	1.12E-09	2.38E-10	1.51E-09	2.33E-10	1.07E-10	3.21E-09
3169	498363.09	3846377.25	1.06E-05	1.22E-05	5.79E-06	3.68E-09	1.11E-08	6.43E-09	7.40E-09	6.71E-09	3.06E-09	1.45E-09	0.00E+00	0.00E+00	1.18E-09	2.51E-10	1.59E-09	2.46E-10	1.12E-10	3.39E-09
3170	471363.09	3846877.25	2.10E-05	2.42E-05	1.10E-05	7.25E-09	2.19E-08	1.27E-08	1.47E-08	1.33E-08	6.06E-09	2.76E-09	0.00E+00	0.00E+00	2.33E-09	4.98E-10	3.16E-09	4.87E-10	2.14E-10	6.69E-09
3171	471863.09	3846877.25	2.06E-05	2.38E-05	1.09E-05	7.14E-09	2.16E-08	1.25E-08	1.44E-08	1.31E-08	5.97E-09	2.72E-09	0.00E+00	0.00E+00	2.30E-09	4.90E-10	3.11E-09	4.79E-10	2.10E-10	6.58E-09
3172	472363.09	3846877.25	1.99E-05	2.30E-05	1.05E-05	6.87E-09	2.08E-08	1.20E-08	1.39E-08	1.26E-08	5.75E-09	2.62E-09	0.00E+00	0.00E+00	2.21E-09	4.71E-10	2.99E-09	4.61E-10	2.03E-10	6.34E-09
3173	472863.09	3846877.25	1.47E-05	1.70E-05	7.79E-06	5.10E-09	1.54E-08	8.92E-09	1.03E-08	9.34E-09	4.26E-09	1.95E-09	0.00E+00	0.00E+00	1.64E-09	3.50E-10	2.22E-09	3.42E-10	1.51E-10	4.70E-09
3174	473363.09	3846877.25	1.57E-05	1.82E-05	8.31E-06	5.45E-09	1.64E-08	9.52E-09	1.10E-08	9.97E-09	4.55E-09	2.08E-09	0.00E+00	0.00E+00	1.75E-09	3.73E-10	2.37E-09	3.65E-10	1.61E-10	5.02E-09
3175	473863.09	3846877.25	1.67E-05	1.93E-05	8.83E-06	5.79E-09	1.75E-08	1.01E-08	1.17E-08	1.06E-08	4.84E-09	2.21E-09	0.00E+00	0.00E+00	1.86E-09	3.97E-10	2.52E-09	3.89E-10	1.71E-10	5.34E-09
3176	474363.09	3846877.25	1.56E-05	1.80E-05	8.24E-06	5.40E-09	1.63E-08	9.43E-09	1.09E-08	9.88E-09	4.51E-09	2.06E-09	0.00E+00	0.00E+00	1.74E-09	3.70E-10	2.35E-09	3.62E-10	1.60E-10	4.97E-09
3177	474863.09	3846877.25	1.53E-05	1.77E-05	8.09E-06	5.30E-09	1.60E-08	9.26E-09	1.07E-08	9.69E-09	4.42E-09	2.02E-09	0.00E+00	0.00E+00	1.70E-09	3.63E-10	2.30E-09	3.55E-10	1.57E-10	4.88E-09
3178	475363.09	3846877.25	1.66E-05	1.92E-05	8.78E-06	5.75E-09	1.74E-08	1.01E-08	1.16E-08	1.05E-08	4.81E-09	2.20E-09	0.00E+00	0.00E+00	1.85E-09	3.94E-10	2.50E-09	3.86E-10	1.70E-10	5.30E-09
3179	475863.09	3846877.25	2.06E-05	2.38E-05	1.08E-05	7.13E-09	2.15E-08	1.25E-08	1.44E-08	1.31E-08	5.96E-09	2.72E-09	0.00E+00	0.00E+00	2.29E-09	4.89E-10	3.10E-09	4.79E-10	2.10E-10	6.57E-09
3180	476363.09	3846877.25	2.81E-05	3.25E-05	1.47E-05	9.72E-09	2.93E-08	1.70E-08	1.96E-08	1.78E-08	8.13E-09	3.69E-09	0.00E+00	0.00E+00	3.12E-09	6.67E-10	4.23E-09	6.52E-10	2.86E-10	8.96E-09
3181	476863.09	3846877.25	2.83E-05	3.28E-05	1.49E-05	9.81E-09	2.96E-08	1.71E-08	1.98E-08	1.80E-08	8.20E-09	3.72E-09	0.00E+00	0.00E+00	3.15E-09	6.73E-10	4.27E-09	6.58E-10	2.88E-10	9.04E-09
3182	477363.09	3846877.25	2.69E-05	3.12E-05	1.41E-05	9.32E-09	2.82E-08	1.63E-08	1.88E-08	1.71E-08	7.80E-09	3.54E-09	0.00E+00	0.00E+00	3.00E-09	6.40E-10	4.06E-09	6.26E-10	2.74E-10	8.60E-09
3183	477863.09	3846877.25	2.35E-05	2.72E-05	1.24E-05	8.13E-09	2.46E-08	1.42E-08	1.64E-08	1.49E-08	6.80E-09	3.10E-09	0.00E+00	0.00E+00	2.62E-09	5.58E-10	3.54E-09	5.46E-10	2.40E-10	7.50E-09
3184	478363.09	3846877.25	1.73E-05	2.00E-05	9.15E-06	5.98E-09	1.81E-08	1.05E-08	1.21E-08	1.09E-08	4.99E-09	2.29E-09	0.00E+00	0.00E+00	1.92E-09	4.10E-10	2.60E-09	4.01E-10	1.77E-10	5.51E-09
3185	478863.09	3846877.25	1.83E-05	2.11E-05	9.68E-06	6.33E-09	1.91E-08	1.11E-08	1.28E-08	1.16E-08	5.29E-09	2.42E-09	0.00E+00	0.00E+00	2.04E-09	4.34E-10	2.75E-09	4.25E-10	1.88E-10	5.83E-09
3186	479363.09	3846877.25	1.72E-05	1.98E-05	9.09E-06	5.94E-09	1.79E-08	1.04E-08	1.20E-08	1.09E-08	4.96E-09	2.28E-09	0.00E+00	0.00E+00	1.91E-09	4.07E-10	2.58E-09	3.98E-10	1.76E-10	5.48E-09
3187	479863.09	3846877.25	1.30E-05	1.49E-05	6.89E-06	4.48E-09	1.35E-08	7.84E-09	9.04E-09	8.20E-09	3.74E-09	1.72E-09	0.00E+00	0.00E+00	1.44E-09	3.07E-10	1.95E-09	3.00E-10	1.34E-10	4.13E-09
3188	480363.09	3846877.25	1.14E-05	1.32E-05	6.09E-06	3.95E-09	1.19E-08	6.90E-09	7.96E-09	7.22E-09	3.29E-09	1.52E-09	0.00E+00	0.00E+00	1.27E-09	2.70E-10	1.71E-09	2.64E-10	1.18E-10	3.64E-09
3189	480863.09	3846877.25	1.08E-05	1.24E-05	5.77E-06	3.73E-09	1.13E-08	6.53E-09	7.53E-09	6.82E-09	3.11E-09	1.44E-09	0.00E+00	0.00E+00	1.20E-09	2.56E-10	1.62E-09	2.50E-10	1.12E-10	3.44E-09
3190	481363.09	3846877.25	1.05E-05	1.22E-05	5.65E-06	3.65E-09	1.10E-08	6.38E-09	7.35E-09	6.67E-09	3.04E-09	1.41E-09	0.00E+00	0.00E+00	1.17E-09	2.50E-10	1.58E-09	2.44E-10	1.09E-10	3.36E-09
3191	481863.09	3846877.25	9.44E-06	1.09E-05	5.08E-06	3.27E-09	9.87E-09	5.71E-09	6.58E-09	5.97E-09	2.72E-09	1.27E-09	0.00E+00	0.00E+00	1.05E-09	2.23E-10	1.42E-09	2.19E-10	9.85E-11	3.01E-09
3192	482363.09	3846877.25	8.46E-06	9.74E-06	4.57E-06	2.93E-09	8.84E-09	5.12E-09	5.89E-09	5.34E-09	2.44E-09	1.14E-09	0.00E+00	0.00E+00	9.41E-10	2.00E-10	1.27E-09	1.96E-10	8.86E-11	2.69E-09
3193	482863.09	3846877.25	8.32E-06	9.58E-06	4.50E-06	2.88E-09	8.70E-09	5.03E-09	5.79E-09	5.25E-09	2.40E-09	1.13E-09	0.00E+00	0.00E+00	9.26E-10	1.97E-10	1.25E-09	1.92E-10	8.73E-11	2.65E-09
3194	483363.09	3846877.25	8.12E-06	9.34E-06	4.41E-06	2.81E-09	8.48E-09	4.91E-09	5.65E-09	5.12E-09	2.34E-09	1.10E-09	0.00E+00	0.00E+00	9.03E-10	1.92E-10	1.22E-09	1.88E-10	8.54E-11	2.59E-09
3195	483863.09	3846877.25	7.95E-06	9.14E-06	4.33E-06	2.75E-09	8.31E-09	4.81E-09	5.53E-09	5.02E-09	2.29E-09	1.08E-09	0.00E+00	0.00E+00	8.85E-10	1.88E-10	1.19E-09	1.84E-10	8.39E-11	2.53E-09
3196	484363.09	3846877.25	7.60E-06	8.74E-06	4.16E-06	2.63E-09	7.95E-09	4.60E-09	5.29E-09	4.79E-09	2.19E-09	1.04E-09	0.00E+00	0.00E+00	8.46E-10	1.79E-10	1.14E-09	1.76E-10	8.06E-11	2.42E-09
3197	484863.09	3846877.25	7.39E-06	8.49E-06	4.05E-06	2.56E-09	7.73E-09	4.47E-09	5.14E-09	4.66E-09	2.13E-09	1.01E-09	0.00E+00	0.00E+00	8.23E-10	1.74E-10	1.11E-09	1.71E-10	7.85E-11	2.35E-09
3198	485363.09	3846877.25	7.27E-06	8.35E-06	3.98E-06	2.52E-09	7.60E-09	4.40E-09	5.05E-09	4.58E-09	2.09E-09	9.97E-10	0.00E+00	0.00E+00	8.09E-10	1.72E-10	1.09E-09	1.68E-10	7.72E-11	2.31E-09
3199	485863.09	3846877.25	6.54E-06	7.51E-06	3.59E-06	2.26E-09	6.83E-09	3.95E-09	4.54E-09	4.12E-09	1.88E-09	8.97E-10	0.00E+00	0.00E+00	7.28E-10	1.54E-10	9.78E-10	1.51E-10	6.95E-11	2.08E-09
3200	486363.09	3846877.25	6.51E-06	7.49E-06	3.56E-06	2.25E-09	6.81E-09	3.94E-09	4.53E-09	4.11E-09	1.87E-09	8.92E-10	0.00E+00	0.00E+00	7.25E-10	1.54E-10	9.75E-10	1.50E-10	6.90E-11	2.07E-09
3201	486863.09	3846877.25	5.76E-06	6.61E-06	3.16E-06	1.99E-09	6.02E-09	3.48E-09	4.00E-09	3.63E-09	1.65E-09	7.91E-10	0.00E+00	0.00E+00	6.41E-10	1.36E-10	8.62E-10	1.33E-10	6.12E-11	1.83E-09
3202	487363.09	3846877.25	5.78E-06	6.65E-06	3.17E-06	2.00E-09	6.05E-09	3.50E-09	4.02E-09	3.64E-09	1.66E-09	7.93E-10	0.00E+00	0.00E+00	6.44E-10	1.36E-10	8.66E-10	1.34E-10	6.14E-11	1.84E-09
3203	487863.09	3846877.25	5.75E-06	6.61E-06	3.15E-06	1.99E-09	6.01E-09	3.48E-09	4.00E-09	3.62E-09	1.65E-09	7.89E-10	0.00E+00	0.00E+00	6.40E-10	1.36E-10	8.61E-10	1.33E-10	6.11E-11	1.83E-09
3204	488363.09	3846877.25	5.58E-06	6.41E-06	3.07E-06	1.93E-09	5.83E-09	3.38E-09	3.88E-09	3.51E-09	1.60E-09	7.69E-10	0.00E+00	0.00E+00	6.21E-10	1.32E-10	8.35E-10	1.29E-10	5.95E-11	1.78E-09
3205	488863.09	3846877.25	5.53E-06	6.34E-06	3.06E-06	1.91E-09	5.78E-09	3.35E-09	3.84E-09	3.48E-09	1.59E-09	7.65E-10	0.00E+00	0.00E+00	6.15E-10	1.30E-10	8.27E-10	1.27E-10	5.92E-11	1.76E-09
3206	489363.09	3846877.25	5.66E-06	6.49E-06	3.13E-06	1.96E-09	5.91E-09	3.42E-09	3.93E-09	3.56E-09	1.62E-09	7.84E-10	0.00E+00	0.00E+00	6.30E-10	1.33E-10	8.46E-10	1.30E-10	6.07E-11	1.80E-09
3207	489863.09	3846877.25	5.52E-06	6.33E-06	3.06E-06	1.91E-09	5.77E-09	3.34E-09	3.83E-09	3.47E-09	1.58E-09	7.66E-10	0.00E+00	0.00E+00	6.14E-10	1.30E-10	8.25E-10	1.27E-10	5.93E-11	1.76E-09
3208	490363.09	3846877.25	5.05E-06	5.79E-06	2.80E-06	1.75E-09	5.28E-09	3.05E-09	3.50E-09	3.17E-09	1.45E-09	7.02E-10	0.00E+00	0.00E+00	5.62E-10	1.19E-10	7.54E-10	1.16E-10	5.44E-11	1.61E-09
3209	490863.09	3846877.25	5.04E-06	5.78E-06	2.79E-06	1.74E-09	5.27E-09	3.05E-09	3.50E-09	3.17E-09	1.45E-09	6.99E-10	0.00E+00	0.00E+00	5.61E-10	1.19E-10	7.53E-10	1.16E-10	5.42E-11	1.60E-09
3210	491363.09	3846877.25	5.30E-06	6.08E-06	2.93E-06	1.83E-09	5.54E-09	3.21E-09	3.68E-09	3.33E-09	1.52E-09	7.34E-10	0.00E+00	0.00E+00	5.90E-10	1.25E-10	7.92E-10	1.22E-10	5.68E-11	1.69E-09
3211	491863.09	3846877.25	5.45E-06	6.26E-06	3.01E-06	1.89E-09	5.70E-09	3.30E-09	3.78E-09	3.43E-09	1.57E-09	7.54E-10	0.00E+00	0.00E+00	6.07E-10	1.28E-10	8.15E-10	1.26E-10	5.84E-11	1.73E-09
3212	492363.09	3846877.25	6.07E-06	6.96E-06	3.34E-06	2.10E-09	6.34E-09	3.67E-09	4.21E-09	3.82E-09	1.74E-09	8.37E-10	0.00E+00	0.00E+00	6.75E-10	1.43E-10	9.07E-10	1.40E-10	6.48E-11	1.93E-09
3213	492863.09	3846877.25	6.33E-06	7.26E-06	3.48E-06	2.19E-09	6.61E-09	3.83E-09	4.39E-09	3.98E-09	1.82E-09	8.71E-10	0.00E+00	0.00E+00	7.04E-10	1.49E-10	9.46E-10	1.46E-10	6.75E-11	2.01E-09
3214	493363.09	3846877.25	6.84E-06	7.86E-06	3.75E-06	2.37E-09	7.15E-09	4.14E-09	4.76E-09	4.31E-09	1.97E-09	9.39E-10	0.00E+00	0.00E+00	7.62E-10	1.61E-10	1.02E-09	1.58E-10	7.27E-11	2.18E-09
3215	493863.09	3846877.25	7.25E-06	8.33E-06	3.97E-06	2.51E-09	7.58E-09	4.39E-09	5.04E-09	4.57E-09	2.09E-09	9.92E-10	0.00E+00	0.00E+00	8.07E-10	1.71E-10	1.09E-09	1.67E-10	7.68E-11	2.31E-09
3216	494363.09	3846877.25	7.66E-06	8.81E-06	4.18E-06	2.65E-09	8.01E-09	4.64E-09	5.33E-09	4.83E-09	2.20E-09	1.05E-09	0.00E+00	0.00E+00	8.53E-10	1.81E-10	1.15E-09	1.77E-10	8.11E-11	2.44E-09
3217	494863.09	3846877.25	8.00E-06	9.20E-06	4.36E-06	2.77E-09	8.36E-09	4.84E-09	5.57E-09	5.05E-09	2.30E-09	1.09E-09	0.00E+00	0.00E+00	8.91E-10	1.89E-10	1.20E-09	1.85E-10	8.45E-11	2.55E-09
3218	495363.09	3846877.25	8.27E-06	9.51E-06	4.51E-06	2.86E-09	8.64E-09	5.00E-09	5.75E-09	5.22E-09	2.38E-09	1.13E-09	0.00E+00	0.00E+00	9.21E-10	1.95E-10	1.24E-09	1.91E-10	8.73E-11	2.63E-09
3219	495863.09	3846877.25	8.62E-06	9.91E-06	4.70E-06	2.98E-09	9.01E-09	5.21E-09	6.00E-09	5.44E-09	2.48E-09	1.18E-09	0.00E+00	0.00E+00	9.59E-10	2.04E-10	1.29E-09	1.99E-10	9.10E-11	2.74E-09
3220	496363.09	3846877.25	9.20E-06	1.06E-05	5.01E-06	3.18E-09	9.61E-09	5.56E-09	6.40E-09	5.80E-09	2.65E-09	1.25E-09	0.00E+00	0.00E+00	1.02E-09	2.17E-10	1.38E-09	2.13E-10	9.71E-11	2.93E-09
3221	496863.09	3846877.25	9.97E-06	1.15E-05	5.43E-06	3.45E-09	1.04E-08	6.03E-09	6.94E-09	6.29E-09	2.87E-09	1.36E-09	0.00E+00	0.00E+00	1.11E-09	2.35E-10	1.49E-09	2.30E-10	1.05E-10	3.17E-09
3222	497363.09	3846877.25	1.09E-05	1.26E-05	5.94E-06	3.78E-09	1.14E-08	6.61E-09	7.60E-09	6.89E-09	3.15E-09	1.49E-09	0.00E+00	0.00E+00	1.22E-09	2.58E-10	1.64E-09	2.53E-10	1.15E-10	3.48E-09
3223	497863.09	3846877.25	1.19E-05	1.37E-05	6.48E-06	4.13E-09	1.25E-08	7.21E-09	8.30E-09	7.52E-09	3.43E-09	1.62E-09	0.00E+00	0.00E+00	1.33E-09	2.82E-10	1.79E-09	2.76E-10	1.26E-10	3.80E-09
3224	498363.09	3846877.25	1.25E-05	1.44E-05	6.80E-06	4.33E-09	1.31E-08	7.56E-09	8.70E-09	7.89E-09	3.60E-09	1.70E-09	0.00E+00	0.00E+00	1.39E-09	2.95E-10	1.87E-09	2.89E-10	1.32E-10	3.98E-09
3225	471363.09	3847377.25	2.23E-05	2.58E-05	1.17E-05	7.72E-09	2.33E-08	1.35E-08	1.56E-08	1.41E-08	6.45E-09	2.94E-09	0.00E+00	0.00E+00	2.48E-09	5.29E-10	3.36E-09	5.18E-10	2.27E-10	7.12E-09
3226	471863.09	3847377.25	2.28E-05	2.64E-05	1.20E-05	7.90E-09	2.38E-08	1.38E-08	1.60E-08	1.45E-08	6.60E-09	3.00E-09	0.00E+00	0.00E+00	2.54E-09	5.42E-10	3.44E-09	5.30E-10	2.33E-10	7.28E-09
3227	472363.09	3847377.25	2.28E-05	2.63E-05	1.20E-05	7.88E-09	2.38E-08	1.38E-08	1.59E-08	1.44E-08	6.59E-09	3.00E-09	0.00E+00	0.00E+00	2.54E-09	5.41E-10	3.43E-09	5.29E-10	2.32E-10	7.27E-09
3228	472863.09	3847377.25	2.19E-05	2.53E-05	1.15E-05	7.58E-09	2.29E-08	1.32E-08	1.53E-08	1.39E-08	6.33E-09	2.88E-09	0.00E+00	0.00E+00	2.44E-09	5.20E-10	3.30E-09	5.09E-10	2.23E-10	6.99E-09
3229	473363.09	3847377.25	1.91E-05	2.20E-05	1.00E-05	6.60E-09	1.99E-08	1.15E-08	1.33E-08	1.21E-08	5.51E-09	2.51E-09	0.00E+00	0.00E+00	2.12E-09	4.52E-10	2.87E-09	4.43E-10	1.95E-10	6.08E-09
3230	473863.09	3847377.25	1.88E-05	2.18E-05	9.93E-06	6.52E-09	1.97E-08	1.14E-08	1.32E-08	1.19E-08	5.45E-09	2.49E-09	0.00E+00	0.00E+00	2.10E-09	4.47E-10	2.84E-09	4.38E-10	1.93E-10	6.01E-09
3231	474363.09	3847377.25	1.94E-05	2.25E-05	1.02E-05	6.73E-09	2.03E-08	1.18E-08	1.36E-08	1.23E-08	5.62E-09	2.56E-09	0.00E+00	0.00E+00	2.16E-09	4.61E-10	2.93E-09	4.51E-10	1.99E-10	6.20E-09
3232	474863.09	3847377.25	1.79E-05	2.07E-05	9.46E-06	6.20E-09	1.87E-08	1.08E-08	1.25E-08	1.14E-08	5.18E-09	2.37E-09	0.00E+00	0.00E+00	1.99E-09	4.25E-10	2.70E-09	4.16E-10	1.83E-10	5.72E-09
3233	475363.09	3847377.25	1.64E-05	1.90E-05	8.68E-06	5.68E-09	1.72E-08	9.93E-09	1.15E-08	1.04E-08	4.75E-09	2.17E-09	0.00E+00	0.00E+00	1.83E-09	3.89E-10	2.47E-09	3.81E-10	1.68E-10	5.24E-09
3234	475863.09	3847377.25	1.91E-05	2.20E-05	1.01E-05	6.60E-09	1.99E-08	1.15E-08	1.33E-08	1.21E-08	5.51E-09	2.52E-09	0.00E+00	0.00E+00	2.12E-09	4.53E-10	2.87E-09	4.43E-10	1.95E-10	6.08E-09
3235	476363.09	3847377.25	2.42E-05	2.80E-05	1.27E-05	8.39E-09	2.53E-08	1.47E-08	1.69E-08	1.54E-08	7.01E-09	3.19E-09	0.00E+00	0.00E+00	2.70E-09	5.75E-10	3.65E-09	5.63E-10	2.47E-10	7.73E-09
3236	476863.09	3847377.25	3.11E-05	3.59E-05	1.63E-05	1.08E-08	3.25E-08	1.88E-08	2.17E-08	1.97E-08	8.99E-09	4.08E-09	0.00E+00	0.00E+00	3.46E-09	7.38E-10	4.68E-09	7.22E-10	3.16E-10	9.92E-09
3237	477363.09	3847377.25	3.21E-05	3.72E-05	1.69E-05	1.11E-08	3.36E-08	1.94E-08	2.25E-08	2.04E-08	9.30E-09	4.22E-09	0.00E+00	0.00E+00	3.58E-09	7.63E-10	4.84E-09	7.47E-10	3.27E-10	1.03E-08
3238	477863.09	3847377.25	3.00E-05	3.47E-05	1.57E-05	1.04E-08	3.14E-08	1.82E-08	2.10E-08	1.90E-08	8.69E-09	3.94E-09	0.00E+00	0.00E+00	3.34E-09	7.13E-10	4.52E-09	6.97E-10	3.05E-10	9.58E-09
3239	478363.09	3847377.25	2.57E-05	2.98E-05	1.35E-05	8.91E-09	2.69E-08	1.56E-08	1.80E-08	1.63E-08	7.45E-09	3.39E-09	0.00E+00	0.00E+00	2.86E-09	6.11E-10	3.88E-09	5.98E-10	2.63E-10	8.21E-09
3240	478863.09	3847377.25	2.02E-05	2.33E-05	1.07E-05	6.99E-09	2.11E-08	1.22E-08	1.41E-08	1.28E-08	5.83E-09	2.68E-09	0.00E+00	0.00E+00	2.25E-09	4.79E-10	3.04E-09	4.69E-10	2.07E-10	6.44E-09
3241	479363.09	3847377.25	1.84E-05	2.13E-05	9.77E-06	6.38E-09	1.93E-08	1.11E-08	1.29E-08	1.17E-08	5.32E-09	2.44E-09	0.00E+00	0.00E+00	2.05E-09	4.37E-10	2.77E-09	4.28E-10	1.89E-10	5.88E-09
3242	479863.09	3847377.25	1.32E-05	1.53E-05	7.04E-06	4.58E-09	1.38E-08	8.00E-09	9.24E-09	8.37E-09	3.82E-09	1.76E-09	0.00E+00	0.00E+00	1.47E-09	3.14E-10	1.99E-09	3.07E-10	1.37E-10	4.22E-09
3243	480363.09	3847377.25	9.02E-06	1.04E-05	4.86E-06	3.12E-09	9.43E-09	5.46E-09	6.29E-09	5.70E-09	2.60E-09	1.22E-09	0.00E+00	0.00E+00	1.00E-09	2.14E-10	1.36E-09	2.09E-10	9.41E-11	2.88E-09
3244	480863.09	3847377.25	8.51E-06	9.80E-06	4.59E-06	2.95E-09	8.90E-09	5.15E-09	5.93E-09	5.38E-09	2.45E-09	1.15E-09	0.00E+00	0.00E+00	9.48E-10	2.01E-10	1.28E-09	1.97E-10	8.90E-11	2.71E-09
3245	481363.09	3847377.25	9.26E-06	1.07E-05	4.98E-06	3.20E-09	9.68E-09	5.60E-09	6.45E-09	5.85E-09	2.67E-09	1.25E-09	0.00E+00	0.00E+00	1.03E-09	2.19E-10	1.39E-09	2.14E-10	9.65E-11	2.95E-09
3246	481863.09	3847377.25	1.07E-05	1.23E-05	5.74E-06	3.71E-09	1.12E-08	6.48E-09	7.47E-09	6.77E-09	3.09E-09	1.44E-09	0.00E+00	0.00E+00	1.19E-09	2.53E-10	1.61E-09	2.48E-10	1.11E-10	3.41E-09
3247	482363.09	3847377.25	9.94E-06	1.15E-05	5.35E-06	3.44E-09	1.04E-08	6.01E-09	6.93E-09	6.28E-09	2.87E-09	1.34E-09	0.00E+00	0.00E+00	1.11E-09	2.35E-10	1.49E-09	2.30E-10	1.04E-10	3.17E-09
3248	482863.09	3847377.25	9.51E-06	1.10E-05	5.13E-06	3.29E-09	9.94E-09	5.75E-09	6.63E-09	6.01E-09	2.74E-09	1.28E-09	0.00E+00	0.00E+00	1.06E-09	2.25E-10	1.43E-09	2.20E-10	9.94E-11	3.03E-09

3249	483363.09	3847377.25	9.05E-06	1.04E-05	4.89E-06	3.13E-09	9.45E-09	5.47E-09	6.30E-09	5.71E-09	2.61E-09	1.22E-09	0.00E+00	0.00E+00	1.01E-09	2.14E-10	1.36E-09	2.09E-10	9.48E-11	2.88E-09
3250	483863.09	3847377.25	9.07E-06	1.04E-05	4.92E-06	3.14E-09	9.48E-09	5.49E-09	6.32E-09	5.73E-09	2.61E-09	1.23E-09	0.00E+00	0.00E+00	1.01E-09	2.14E-10	1.36E-09	2.10E-10	9.53E-11	2.89E-09
3251	484363.09	3847377.25	8.92E-06	1.03E-05	4.86E-06	3.09E-09	9.32E-09	5.40E-09	6.21E-09	5.63E-09	2.57E-09	1.22E-09	0.00E+00	0.00E+00	9.93E-10	2.11E-10	1.34E-09	2.06E-10	9.41E-11	2.84E-09
3252	484863.09	3847377.25	8.57E-06	9.85E-06	4.68E-06	2.97E-09	8.96E-09	5.19E-09	5.96E-09	5.40E-09	2.47E-09	1.17E-09	0.00E+00	0.00E+00	9.54E-10	2.02E-10	1.28E-09	1.98E-10	9.08E-11	2.73E-09
3253	485363.09	3847377.25	8.30E-06	9.54E-06	4.54E-06	2.87E-09	8.67E-09	5.02E-09	5.77E-09	5.23E-09	2.39E-09	1.14E-09	0.00E+00	0.00E+00	9.24E-10	1.96E-10	1.24E-09	1.92E-10	8.79E-11	2.64E-09
3254	485863.09	3847377.25	7.79E-06	8.95E-06	4.26E-06	2.70E-09	8.14E-09	4.71E-09	5.42E-09	4.91E-09	2.24E-09	1.07E-09	0.00E+00	0.00E+00	8.67E-10	1.84E-10	1.17E-09	1.80E-10	8.25E-11	2.48E-09
3255	486363.09	3847377.25	7.46E-06	8.58E-06	4.07E-06	2.58E-09	7.80E-09	4.51E-09	5.19E-09	4.70E-09	2.15E-09	1.02E-09	0.00E+00	0.00E+00	8.30E-10	1.76E-10	1.12E-09	1.72E-10	7.88E-11	2.38E-09
3256	486863.09	3847377.25	6.85E-06	7.87E-06	3.74E-06	2.37E-09	7.16E-09	4.14E-09	4.76E-09	4.32E-09	1.97E-09	9.36E-10	0.00E+00	0.00E+00	7.62E-10	1.62E-10	1.03E-09	1.58E-10	7.25E-11	2.18E-09
3257	487363.09	3847377.25	6.84E-06	7.86E-06	3.73E-06	2.37E-09	7.15E-09	4.14E-09	4.76E-09	4.31E-09	1.97E-09	9.33E-10	0.00E+00	0.00E+00	7.61E-10	1.61E-10	1.02E-09	1.58E-10	7.23E-11	2.18E-09
3258	487863.09	3847377.25	6.43E-06	7.39E-06	3.52E-06	2.23E-09	6.72E-09	3.89E-09	4.47E-09	4.06E-09	1.85E-09	8.81E-10	0.00E+00	0.00E+00	7.16E-10	1.52E-10	9.64E-10	1.49E-10	6.82E-11	2.05E-09
3259	488363.09	3847377.25	6.23E-06	7.16E-06	3.42E-06	2.16E-09	6.52E-09	3.77E-09	4.33E-09	3.93E-09	1.79E-09	8.57E-10	0.00E+00	0.00E+00	6.94E-10	1.47E-10	9.33E-10	1.44E-10	6.64E-11	1.98E-09
3260	488863.09	3847377.25	6.22E-06	7.14E-06	3.43E-06	2.15E-09	6.51E-09	3.77E-09	4.32E-09	3.92E-09	1.79E-09	8.59E-10	0.00E+00	0.00E+00	6.93E-10	1.47E-10	9.31E-10	1.44E-10	6.65E-11	1.98E-09
3261	489363.09	3847377.25	6.32E-06	7.25E-06	3.49E-06	2.19E-09	6.60E-09	3.82E-09	4.39E-09	3.98E-09	1.81E-09	8.74E-10	0.00E+00	0.00E+00	7.03E-10	1.49E-10	9.45E-10	1.46E-10	6.77E-11	2.01E-09
3262	489863.09	3847377.25	6.02E-06	6.90E-06	3.33E-06	2.08E-09	6.29E-09	3.64E-09	4.18E-09	3.79E-09	1.73E-09	8.34E-10	0.00E+00	0.00E+00	6.70E-10	1.42E-10	9.00E-10	1.39E-10	6.46E-11	1.91E-09
3263	490363.09	3847377.25	5.74E-06	6.59E-06	3.18E-06	1.99E-09	6.00E-09	3.47E-09	3.98E-09	3.61E-09	1.65E-09	7.96E-10	0.00E+00	0.00E+00	6.39E-10	1.35E-10	8.58E-10	1.32E-10	6.16E-11	1.83E-09
3264	490863.09	3847377.25	5.96E-06	6.84E-06	3.30E-06	2.06E-09	6.23E-09	3.61E-09	4.14E-09	3.75E-09	1.71E-09	8.25E-10	0.00E+00	0.00E+00	6.64E-10	1.41E-10	8.92E-10	1.38E-10	6.39E-11	1.90E-09
3265	491363.09	3847377.25	6.22E-06	7.14E-06	3.43E-06	2.15E-09	6.51E-09	3.77E-09	4.32E-09	3.92E-09	1.79E-09	8.59E-10	0.00E+00	0.00E+00	6.93E-10	1.47E-10	9.31E-10	1.44E-10	6.65E-11	1.98E-09
3266	491863.09	3847377.25	6.76E-06	7.76E-06	3.72E-06	2.34E-09	7.06E-09	4.09E-09	4.70E-09	4.26E-09	1.94E-09	9.31E-10	0.00E+00	0.00E+00	7.52E-10	1.59E-10	1.01E-09	1.56E-10	7.21E-11	2.15E-09
3267	492363.09	3847377.25	6.91E-06	7.93E-06	3.80E-06	2.39E-09	7.22E-09	4.18E-09	4.80E-09	4.35E-09	1.99E-09	9.51E-10	0.00E+00	0.00E+00	7.69E-10	1.63E-10	1.03E-09	1.59E-10	7.36E-11	2.20E-09
3268	492863.09	3847377.25	7.39E-06	8.49E-06	4.05E-06	2.56E-09	7.72E-09	4.47E-09	5.14E-09	4.66E-09	2.12E-09	1.01E-09	0.00E+00	0.00E+00	8.23E-10	1.74E-10	1.11E-09	1.71E-10	7.85E-11	2.35E-09
3269	493363.09	3847377.25	7.79E-06	8.96E-06	4.26E-06	2.70E-09	8.14E-09	4.71E-09	5.42E-09	4.91E-09	2.24E-09	1.07E-09	0.00E+00	0.00E+00	8.67E-10	1.84E-10	1.17E-09	1.80E-10	8.25E-11	2.48E-09
3270	493863.09	3847377.25	8.05E-06	9.25E-06	4.39E-06	2.79E-09	8.41E-09	4.87E-09	5.60E-09	5.08E-09	2.32E-09	1.10E-09	0.00E+00	0.00E+00	8.96E-10	1.90E-10	1.21E-09	1.86E-10	8.51E-11	2.56E-09
3271	494363.09	3847377.25	8.28E-06	9.52E-06	4.51E-06	2.87E-09	8.65E-09	5.01E-09	5.76E-09	5.22E-09	2.38E-09	1.13E-09	0.00E+00	0.00E+00	9.21E-10	1.95E-10	1.24E-09	1.91E-10	8.75E-11	2.64E-09
3272	494863.09	3847377.25	8.51E-06	9.78E-06	4.64E-06	2.94E-09	8.89E-09	5.15E-09	5.92E-09	5.37E-09	2.45E-09	1.16E-09	0.00E+00	0.00E+00	9.47E-10	2.01E-10	1.27E-09	1.97E-10	8.99E-11	2.71E-09
3273	495363.09	3847377.25	8.85E-06	1.02E-05	4.83E-06	3.06E-09	9.25E-09	5.36E-09	6.16E-09	5.58E-09	2.55E-09	1.21E-09	0.00E+00	0.00E+00	9.85E-10	2.09E-10	1.33E-09	2.05E-10	9.35E-11	2.82E-09
3274	495863.09	3847377.25	9.43E-06	1.08E-05	5.14E-06	3.27E-09	9.86E-09	5.71E-09	6.56E-09	5.95E-09	2.71E-09	1.29E-09	0.00E+00	0.00E+00	1.05E-09	2.23E-10	1.41E-09	2.18E-10	9.96E-11	3.00E-09
3275	496363.09	3847377.25	1.01E-05	1.16E-05	5.50E-06	3.49E-09	1.05E-08	6.11E-09	7.02E-09	6.36E-09	2.90E-09	1.38E-09	0.00E+00	0.00E+00	1.12E-09	2.38E-10	1.51E-09	2.33E-10	1.07E-10	3.21E-09
3276	496863.09	3847377.25	1.11E-05	1.27E-05	6.03E-06	3.84E-09	1.16E-08	6.70E-09	7.71E-09	6.99E-09	3.19E-09	1.51E-09	0.00E+00	0.00E+00	1.23E-09	2.62E-10	1.66E-09	2.56E-10	1.17E-10	3.53E-09
3277	497363.09	3847377.25	1.23E-05	1.42E-05	6.70E-06	4.27E-09	1.29E-08	7.47E-09	8.59E-09	7.79E-09	3.55E-09	1.68E-09	0.00E+00	0.00E+00	1.37E-09	2.92E-10	1.85E-09	2.85E-10	1.30E-10	3.93E-09
3278	497863.09	3847377.25	1.40E-05	1.61E-05	7.57E-06	4.84E-09	1.46E-08	8.45E-09	9.73E-09	8.82E-09	4.02E-09	1.90E-09	0.00E+00	0.00E+00	1.56E-09	3.30E-10	2.10E-09	3.23E-10	1.47E-10	4.45E-09
3279	498363.09	3847377.25	1.50E-05	1.73E-05	8.12E-06	5.19E-09	1.57E-08	9.07E-09	1.04E-08	9.47E-09	4.32E-09	2.03E-09	0.00E+00	0.00E+00	1.67E-09	3.54E-10	2.25E-09	3.47E-10	1.57E-10	4.78E-09
3280	471363.09	3847877.25	2.47E-05	2.85E-05	1.30E-05	8.54E-09	2.58E-08	1.49E-08	1.73E-08	1.56E-08	7.14E-09	3.25E-09	0.00E+00	0.00E+00	2.75E-09	5.86E-10	3.72E-09	5.73E-10	2.51E-10	7.87E-09
3281	471863.09	3847877.25	2.46E-05	2.84E-05	1.29E-05	8.50E-09	2.57E-08	1.49E-08	1.72E-08	1.56E-08	7.10E-09	3.23E-09	0.00E+00	0.00E+00	2.73E-09	5.83E-10	3.70E-09	5.71E-10	2.50E-10	7.84E-09
3282	472363.09	3847877.25	2.48E-05	2.87E-05	1.31E-05	8.60E-09	2.60E-08	1.50E-08	1.74E-08	1.58E-08	7.19E-09	3.27E-09	0.00E+00	0.00E+00	2.77E-09	5.90E-10	3.74E-09	5.77E-10	2.53E-10	7.93E-09
3283	472863.09	3847877.25	2.51E-05	2.90E-05	1.32E-05	8.69E-09	2.62E-08	1.52E-08	1.76E-08	1.59E-08	7.26E-09	3.30E-09	0.00E+00	0.00E+00	2.79E-09	5.96E-10	3.78E-09	5.83E-10	2.56E-10	8.01E-09
3284	473363.09	3847877.25	2.49E-05	2.88E-05	1.31E-05	8.63E-09	2.60E-08	1.51E-08	1.74E-08	1.58E-08	7.21E-09	3.28E-09	0.00E+00	0.00E+00	2.77E-09	5.92E-10	3.76E-09	5.79E-10	2.54E-10	7.95E-09
3285	473863.09	3847877.25	2.41E-05	2.78E-05	1.27E-05	8.33E-09	2.52E-08	1.46E-08	1.68E-08	1.53E-08	6.97E-09	3.17E-09	0.00E+00	0.00E+00	2.68E-09	5.72E-10	3.63E-09	5.59E-10	2.45E-10	7.68E-09
3286	474363.09	3847877.25	2.17E-05	2.51E-05	1.14E-05	7.51E-09	2.27E-08	1.31E-08	1.52E-08	1.37E-08	6.27E-09	2.86E-09	0.00E+00	0.00E+00	2.41E-09	5.15E-10	3.27E-09	5.04E-10	2.21E-10	6.92E-09
3287	474863.09	3847877.25	2.21E-05	2.56E-05	1.17E-05	7.66E-09	2.31E-08	1.34E-08	1.55E-08	1.40E-08	6.40E-09	2.92E-09	0.00E+00	0.00E+00	2.46E-09	5.25E-10	3.33E-09	5.14E-10	2.26E-10	7.06E-09
3288	475363.09	3847877.25	2.05E-05	2.37E-05	1.08E-05	7.09E-09	2.14E-08	1.24E-08	1.43E-08	1.30E-08	5.92E-09	2.70E-09	0.00E+00	0.00E+00	2.28E-09	4.86E-10	3.08E-09	4.76E-10	2.09E-10	6.53E-09
3289	475863.09	3847877.25	1.82E-05	2.11E-05	9.63E-06	6.31E-09	1.91E-08	1.10E-08	1.27E-08	1.16E-08	5.27E-09	2.41E-09	0.00E+00	0.00E+00	2.03E-09	4.33E-10	2.75E-09	4.23E-10	1.87E-10	5.82E-09
3290	476363.09	3847877.25	2.20E-05	2.54E-05	1.16E-05	7.61E-09	2.30E-08	1.33E-08	1.54E-08	1.39E-08	6.36E-09	2.90E-09	0.00E+00	0.00E+00	2.45E-09	5.22E-10	3.31E-09	5.11E-10	2.25E-10	7.02E-09
3291	476863.09	3847877.25	2.67E-05	3.09E-05	1.41E-05	9.26E-09	2.80E-08	1.62E-08	1.87E-08	1.70E-08	7.74E-09	3.52E-09	0.00E+00	0.00E+00	2.98E-09	6.35E-10	4.03E-09	6.21E-10	2.72E-10	8.54E-09
3292	477363.09	3847877.25	3.53E-05	4.09E-05	1.85E-05	1.22E-08	3.69E-08	2.14E-08	2.47E-08	2.24E-08	1.02E-08	4.64E-09	0.00E+00	0.00E+00	3.93E-09	8.40E-10	5.33E-09	8.22E-10	3.59E-10	1.13E-08
3293	477863.09	3847877.25	3.63E-05	4.20E-05	1.90E-05	1.26E-08	3.80E-08	2.20E-08	2.54E-08	2.31E-08	1.05E-08	4.77E-09	0.00E+00	0.00E+00	4.05E-09	8.63E-10	5.48E-09	8.45E-10	3.69E-10	1.16E-08
3294	478363.09	3847877.25	3.41E-05	3.94E-05	1.79E-05	1.18E-08	3.56E-08	2.06E-08	2.38E-08	2.16E-08	9.86E-09	4.47E-09	0.00E+00	0.00E+00	3.79E-09	8.09E-10	5.14E-09	7.92E-10	3.46E-10	1.09E-08
3295	478863.09	3847877.25	2.77E-05	3.20E-05	1.46E-05	9.59E-09	2.90E-08	1.68E-08	1.94E-08	1.76E-08	8.02E-09	3.65E-09	0.00E+00	0.00E+00	3.08E-09	6.58E-10	4.17E-09	6.44E-10	2.83E-10	8.84E-09
3296	479363.09	3847877.25	1.76E-05	2.03E-05	9.35E-06	6.10E-09	1.84E-08	1.07E-08	1.23E-08	1.12E-08	5.09E-09	2.34E-09	0.00E+00	0.00E+00	1.96E-09	4.18E-10	2.65E-09	4.09E-10	1.81E-10	5.62E-09
3297	479863.09	3847877.25	1.13E-05	1.30E-05	6.04E-06	3.91E-09	1.18E-08	6.84E-09	7.89E-09	7.15E-09	3.26E-09	1.51E-09	0.00E+00	0.00E+00	1.26E-09	2.68E-10	1.70E-09	2.62E-10	1.17E-10	3.61E-09
3298	480363.09	3847877.25	1.10E-05	1.27E-05	5.90E-06	3.82E-09	1.15E-08	6.67E-09	7.69E-09	6.97E-09	3.18E-09	1.48E-09	0.00E+00	0.00E+00	1.23E-09	2.61E-10	1.66E-09	2.56E-10	1.14E-10	3.52E-09
3299	480863.09	3847877.25	9.85E-06	1.14E-05	5.30E-06	3.41E-09	1.03E-08	5.96E-09	6.87E-09	6.23E-09	2.84E-09	1.33E-09	0.00E+00	0.00E+00	1.10E-09	2.33E-10	1.48E-09	2.28E-10	1.03E-10	3.14E-09
3300	481363.09	3847877.25	1.02E-05	1.17E-05	5.47E-06	3.53E-09	1.07E-08	6.17E-09	7.11E-09	6.44E-09	2.94E-09	1.37E-09	0.00E+00	0.00E+00	1.13E-09	2.41E-10	1.53E-09	2.36E-10	1.06E-10	3.25E-09
3301	481863.09	3847877.25	1.31E-05	1.51E-05	7.01E-06	4.54E-09	1.37E-08	7.94E-09	9.16E-09	8.30E-09	3.79E-09	1.75E-09	0.00E+00	0.00E+00	1.46E-09	3.11E-10	1.97E-09	3.04E-10	1.36E-10	4.18E-09
3302	482363.09	3847877.25	1.18E-05	1.36E-05	6.30E-06	4.07E-09	1.23E-08	7.11E-09	8.20E-09	7.44E-09	3.39E-09	1.58E-09	0.00E+00	0.00E+00	1.31E-09	2.78E-10	1.77E-09	2.72E-10	1.22E-10	3.75E-09
3303	482863.09	3847877.25	1.07E-05	1.23E-05	5.73E-06	3.69E-09	1.11E-08	6.45E-09	7.43E-09	6.74E-09	3.08E-09	1.44E-09	0.00E+00	0.00E+00	1.19E-09	2.52E-10	1.60E-09	2.47E-10	1.11E-10	3.40E-09
3304	483363.09	3847877.25	1.02E-05	1.18E-05	5.52E-06	3.54E-09	1.07E-08	6.19E-09	7.13E-09	6.47E-09	2.95E-09	1.38E-09	0.00E+00	0.00E+00	1.14E-09	2.42E-10	1.54E-09	2.37E-10	1.07E-10	3.26E-09
3305	483863.09	3847877.25	1.06E-05	1.22E-05	5.70E-06	3.65E-09	1.10E-08	6.39E-09	7.36E-09	6.67E-09	3.04E-09	1.43E-09	0.00E+00	0.00E+00	1.17E-09	2.50E-10	1.58E-09	2.44E-10	1.10E-10	3.36E-09
3306	484363.09	3847877.25	1.03E-05	1.18E-05	5.56E-06	3.55E-09	1.07E-08	6.21E-09	7.15E-09	6.48E-09	2.96E-09	1.39E-09	0.00E+00	0.00E+00	1.14E-09	2.43E-10	1.54E-09	2.37E-10	1.08E-10	3.27E-09
3307	484863.09	3847877.25	9.96E-06	1.15E-05	5.42E-06	3.45E-09	1.04E-08	6.03E-09	6.93E-09	6.28E-09	2.87E-09	1.36E-09	0.00E+00	0.00E+00	1.11E-09	2.35E-10	1.49E-09	2.30E-10	1.05E-10	3.17E-09
3308	485363.09	3847877.25	9.96E-06	1.15E-05	5.42E-06	3.45E-09	1.04E-08	6.03E-09	6.93E-09	6.29E-09	2.87E-09	1.36E-09	0.00E+00	0.00E+00	1.11E-09	2.35E-10	1.49E-09	2.30E-10	1.05E-10	3.17E-09
3309	485863.09	3847877.25	9.27E-06	1.07E-05	5.05E-06	3.21E-09	9.69E-09	5.61E-09	6.45E-09	5.85E-09	2.67E-09	1.26E-09	0.00E+00	0.00E+00	1.03E-09	2.19E-10	1.39E-09	2.14E-10	9.79E-11	2.95E-09
3310	486363.09	3847877.25	8.30E-06	9.54E-06	4.52E-06	2.87E-09	8.67E-09	5.02E-09	5.77E-09	5.23E-09	2.39E-09	1.13E-09	0.00E+00	0.00E+00	9.24E-10	1.96E-10	1.24E-09	1.92E-10	8.76E-11	2.64E-09
3311	486863.09	3847877.25	7.98E-06	9.18E-06	4.34E-06	2.76E-09	8.34E-09	4.83E-09	5.55E-09	5.03E-09	2.30E-09	1.09E-09	0.00E+00	0.00E+00	8.88E-10	1.89E-10	1.20E-09	1.84E-10	8.41E-11	2.54E-09
3312	487363.09	3847877.25	7.67E-06	8.82E-06	4.17E-06	2.66E-09	8.02E-09	4.64E-09	5.34E-09	4.84E-09	2.21E-09	1.04E-09	0.00E+00	0.00E+00	8.54E-10	1.81E-10	1.15E-09	1.77E-10	8.09E-11	2.44E-09
3313	487863.09	3847877.25	7.27E-06	8.35E-06	3.96E-06	2.52E-09	7.59E-09	4.40E-09	5.05E-09	4.58E-09	2.09E-09	9.92E-10	0.00E+00	0.00E+00	8.09E-10	1.72E-10	1.09E-09	1.68E-10	7.68E-11	2.31E-09
3314	488363.09	3847877.25	7.03E-06	8.08E-06	3.85E-06	2.43E-09	7.35E-09	4.25E-09	4.89E-09	4.43E-09	2.02E-09	9.63E-10	0.00E+00	0.00E+00	7.82E-10	1.66E-10	1.05E-09	1.62E-10	7.46E-11	2.24E-09
3315	488863.09	3847877.25	7.10E-06	8.15E-06	3.90E-06	2.46E-09	7.42E-09	4.29E-09	4.93E-09	4.47E-09	2.04E-09	9.76E-10	0.00E+00	0.00E+00	7.90E-10	1.67E-10	1.06E-09	1.64E-10	7.56E-11	2.26E-09
3316	489363.09	3847877.25	7.12E-06	8.17E-06	3.92E-06	2.46E-09	7.44E-09	4.31E-09	4.94E-09	4.48E-09	2.05E-09	9.81E-10	0.00E+00	0.00E+00	7.92E-10	1.68E-10	1.06E-09	1.64E-10	7.60E-11	2.27E-09
3317	489863.09	3847877.25	7.27E-06	8.35E-06	4.00E-06	2.52E-09	7.60E-09	4.40E-09	5.05E-09	4.58E-09	2.09E-09	1.00E-09	0.00E+00	0.00E+00	8.09E-10	1.71E-10	1.09E-09	1.68E-10	7.75E-11	2.31E-09
3318	490363.09	3847877.25	7.30E-06	8.38E-06	4.01E-06	2.53E-09	7.63E-09	4.41E-09	5.07E-09	4.60E-09	2.10E-09	1.00E-09	0.00E+00	0.00E+00	8.12E-10	1.72E-10	1.09E-09	1.68E-10	7.77E-11	2.32E-09
3319	490863.09	3847877.25	7.47E-06	8.59E-06	4.10E-06	2.59E-09	7.81E-09	4.52E-09	5.20E-09	4.71E-09	2.15E-09	1.03E-09	0.00E+00	0.00E+00	8.32E-10	1.76E-10	1.12E-09	1.73E-10	7.95E-11	2.38E-09
3320	491363.09	3847877.25	7.52E-06	8.64E-06	4.13E-06	2.60E-09	7.86E-09	4.55E-09	5.23E-09	4.74E-09	2.16E-09	1.03E-09	0.00E+00	0.00E+00	8.37E-10	1.77E-10	1.13E-09	1.74E-10	8.00E-11	2.39E-09
3321	491863.09	3847877.25	7.82E-06	8.99E-06	4.29E-06	2.71E-09	8.18E-09	4.73E-09	5.44E-09	4.93E-09	2.25E-09	1.07E-09	0.00E+00	0.00E+00	8.71E-10	1.85E-10	1.17E-09	1.81E-10	8.31E-11	2.49E-09
3322	492363.09	3847877.25	8.20E-06	9.42E-06	4.49E-06	2.84E-09	8.57E-09	4.96E-09	5.70E-09	5.17E-09	2.36E-09	1.12E-09	0.00E+00	0.00E+00	9.12E-10	1.93E-10	1.23E-09	1.89E-10	8.70E-11	2.61E-09
3323	492863.09	3847877.25	8.56E-06	9.84E-06	4.67E-06	2.96E-09	8.95E-09	5.18E-09	5.95E-09	5.40E-09	2.46E-09	1.17E-09	0.00E+00	0.00E+00	9.53E-10	2.02E-10	1.28E-09	1.98E-10	9.06E-11	2.73E-09
3324	493363.09	3847877.25	8.55E-06	9.83E-06	4.67E-06	2.96E-09	8.94E-09	5.17E-09	5.95E-09	5.39E-09	2.46E-09	1.17E-09	0.00E+00	0.00E+00	9.52E-10	2.02E-10	1.28E-09	1.98E-10	9.04E-11	2.72E-09
3325	493863.09	3847877.25	8.63E-06	9.92E-06	4.70E-06	2.99E-09	9.02E-09	5.22E-09	6.00E-09	5.44E-09	2.48E-09	1.18E-09	0.00E+00	0.00E+00	9.60E-10	2.04E-10	1.29E-09	1.99E-10	9.12E-11	2.75E-09
3326	494363.09	3847877.25	8.78E-06	1.01E-05	4.79E-06	3.04E-09	9.18E-09	5.31E-09	6.11E-09	5.54E-09	2.53E-09	1.20E-09	0.00E+00	0.00E+00	9.78E-10	2.07E-10	1.32E-09	2.03E-10	9.28E-11	2.80E-09
3327	494863.09	3847877.25	9.16E-06	1.05E-05	4.99E-06	3.17E-09	9.58E-09	5.54E-09	6.38E-09	5.78E-09	2.64E-09	1.25E-09	0.00E+00	0.00E+00	1.02E-09	2.16E-10	1.37E-09	2.12E-10	9.68E-11	2.92E-09
3328	495363.09	3847877.25	9.52E-06	1.09E-05	5.19E-06	3.29E-09	9.95E-09	5.76E-09	6.62E-09	6.00E-09	2.74E-09	1.30E-09	0.00E+00	0.00E+00	1.06E-09	2.25E-10	1.43E-09	2.20E-10	1.01E-10	3.03E-09
3329	495863.09	3847877.25	9.34E-06	1.07E-05	5.10E-06	3.23E-09	9.77E-09	5.65E-09	6.50E-09	5.89E-09	2.69E-09	1.28E-09	0.00E+00	0.00E+00	1.04E-09	2.21E-10	1.40E-09	2.16E-10	9.89E-11	2.97E-09
3330	496363.09	3847877.25	1.11E-05	1.27E-05	6.02E-06	3.83E-09	1.16E-08	6.69E-09	7.69E-09	6.98E-09	3.18E-09	1.51E-09	0.00E+00	0.00E+00	1.23E-09	2.61E-10	1.66E-09	2.56E-10	1.17E-10	3.52E-09
3331	496863.09	3847877.25	1.22E-05	1.41E-05	6.65E-06	4.24E-09	1.28E-08	7.40E-09	8.52E-09	7.72E-09	3.52E-09	1.67E-09	0.00E+00	0.00E+00	1.36E-09	2.89E-10	1.83E-09	2.83E-10	1.29E-10	3.90E-09
3332	497363.09	3847877.25	1.37E-05	1.58E-05	7.44E-06	4.75E-09	1.43E-08	8.30E-09	9.55E-09	8.65E-09	3.95E-09	1.86E-09	0.00E+00	0.00E+00	1.53E-09	3.24E-10	2.06E-09	3.17E-10	1.44E-10	4.37E-09
3333	497863.09	3847877.25	1.64E-05	1.89E-05	8.86E-06	5.67E-09	1.71E-08	9.91E-09	1.14E-08	1.03E-08	4.72E-09	2.22E-09	0.00E+00	0.00E+00	1.82E-09	3.87E-10	2.46E-09	3.79E-10	1.72E-10	5.22E-09
3334	498363.09	3847877.25	1.79E-05	2.06E-05	9.68E-06	6.21E-09	1.87E-08	1.08E-08	1.25E-08	1.13E-08	5.17E-09	2.42E-09	0.00E+00	0.00E+00	2.00E-09	4.24E-10	2.69E-09	4.15E-10	1.88E-10	5.71E-09
3335	471363.09	3848377.25	2.54E-05	2.94E-05	1.34E-05	8.81E-09	2.66E-08	1.54E-08	1.78E-08	1.61E-08	7.36E-09	3.35E-09	0.00E+00	0.00E+00	2.83E-09	6.04E-10	3.83E-09	5.91E-10	2.59E-10	8.12E-09
3336	471863.09	3848377.25	2.70E-05	3.12E-05	1.42E-05	9.33E-09	2.82E-08	1.63E-08	1.89E-08	1.71E-08	7.80E-09	3.54E-09	0.00E+00	0.00E+00	3.00E-09	6.40E-10	4.06E-09	6.26E-10	2.74E-10	8.60E-09
3337	472363.09	3848377.25	2.72E-05	3.14E-05	1.43E-05	9.41E-09	2.84E-08	1.64E-08	1.90E-08	1.72E-08	7.87E-09	3.57E-09	0.00E+00	0.00E+00	3.03E-09	6.45E-10	4.10E-09	6.32E-10	2.77E-10	8.67E-09
3338	472863.09	3848377.25	2.73E-05	3.15E-05	1.43E-05	9.43E-09	2.85E-08	1.65E-08	1.91E-08	1.73E-08	7.89E-09	3.58E-09	0.00E+00	0.00E+00	3.03E-09	6.47E-10	4.11E-09	6.33E-10	2.78E-10	8.70E-09
3339	473363.09	3848377.25	2.75E-05	3.19E-05	1.45E-05	9.54E-09	2.88E-08	1.67E-08	1.93E-08	1.75E-08	7.97E-09	3.62E-09	0.00E+00	0.00E+00	3.07E-09	6.54E-10	4.15E-09	6.40E-10	2.80E-10	8.79E-09
3340	473863.09	3848377.25	2.77E-05	3.20E-05	1.45E-05	9.57E-09	2.89E-08	1.67E-08	1.94E-08	1.75E-08	8.00E-09	3.64E-09	0.00E+00	0.00E+00	3.08E-09	6.57E-10	4.17E-09	6.43E-10	2.82E-10	8.83E-09
3341	474363.09	3848377.25	2.70E-05	3.12E-05	1.42E-05	9.34E-09	2.82E-08	1.63E-08	1.89E-08	1.71E-08	7.81E-09	3.55E-09	0.00E+00	0.00E+00	3.00E-09	6.41E-10	4.07E-09	6.27E-10	2.75E-10	8.62E-09
3342	474863.09	3848377.25	2.50E-05	2.89E-05	1.32E-05	8.66E-09	2.61E-08	1.51E-08	1.75E-08	1.59E-08	7.24E-09	3.29E-09	0.00E+00	0.00E+00	2.78E-09	5.94E-10	3.77E-09	5.81E-10	2.55E-10	7.98E-09
3343	475363.09	3848377.25	2.59E-05	3.00E-05	1.36E-05	8.98E-09	2.71E-08	1.57E-08	1.81E-08	1.64E-08	7.50E-09	3.41E-09	0.00E+00	0.00E+00	2.89E-09	6.16E-10	3.91E-09	6.03E-10	2.64E-10	8.28E-09
3344	475863.09	3848377.25	2.40E-05	2.77E-05	1.26E-05	8.30E-09	2.51E-08	1.45E-08	1.68E-08	1.52E-08	6.94E-09	3.16E-09	0.00E+00	0.00E+00	2.67E-09	5.69E-10	3.61E-09	5.57E-10	2.45E-10	7.65E-09
3345	476363.09	3848377.25	2.08E-05	2.40E-05	1.10E-05	7.20E-09	2.17E-08	1.26E-08	1.45E-08	1.32E-08	6.01E-09	2.74E-09	0.00E+00	0.00E+00	2.31E-09	4.93E-10	3.13E-09	4.83E-10	2.12E-10	6.63E-09
3346	476863.09	3848377.25	2.47E-05	2.86E-05	1.30E-05	8.56E-09	2.58E-08	1.50E-08	1.73E-08	1.57E-08	7.16E-09	3.26E-09	0.00E+00	0.00E+00	2.75E-09	5.87E-10	3.73E-09	5.75E-10	2.52E-10	7.89E-09
3347	477363.09	3848377.25	2.93E-05	3.39E-05	1.54E-05	1.01E-08	3.06E-08	1.77E-08	2.05E-08	1.86E-08	8.48E-09	3.85E-09	0.00E+00	0.00E+00	3.26E-09	6.96E-10	4.42E-09	6.81E-10	2.98E-10	9.35E-09
3348	477863.09	3848377.25	3.94E-05	4.56E-05	2.06E-05	1.36E-08	4.12E-08	2.38E-08	2.76E-08	2.50E-08	1.14E-08	5.16E-09	0.00E+00	0.00E+00	4.38E-09	9.36E-10	5.94E-09	9.15E-10	4.00E-10	1.26E-08
3349	478363.09	3848377.25	4.04E-05	4.68E-05	2.12E-05	1.40E-08	4.23E-08	2.45E-08	2.83E-08	2.57E-08	1.17E-08	5.30E-09	0.00E+00	0.00E+00	4.50E-09	9.61E-10	6.10E-09	9.40E-10	4.11E-10	1.29E-08
3350	478863.09	3848377.25	3.64E-05	4.21E-05	1.91E-05	1.26E-08	3.80E-08	2.20E-08	2.54E-08	2.31E-08	1.05E-08	4.78E-09	0.00E+00	0.00E+00	4.05E-09	8.64E-10	5.48E-09	8.45E-10	3.70E-10	1.16E-08
3351	479363.09	3848377.25	2.27E-05	2.62E-05	1.20E-05	7.85E-09	2.37E-08	1.37E-08	1.59E-08	1.44E-08	6.56E-09	3.00E-09	0.00E+00	0.00E+00	2.53E-09	5.38E-10	3.42E-09	5.27E-10	2.32E-10	7.24E-09
3352	479863.09	3848377.25	8.84E-06	1.02E-05	4.76E-06	3.06E-09	9.24E-09	5.35E-09	6.16E-09	5.59E-09	2.55E-09	1.19E-09	0.00E+00	0.00E+00	9.84E-10	2.09E-10	1.33E-09	2.05E-10	9.23E-11	2.82E-09
3353	480363.09	3848377.25	1.17E-05	1.34E-05	6.24E-06	4.04E-09	1.22E-08	7.06E-09	8.14E-09	7.38E-09	3.37E-09	1.56E-09	0.00E+00	0.00E+00	1.30E-09	2.76E-10	1.75E-09	2.70E-10	1.21E-10	3.72E-09

3354	480863.09	3848377.25	1.51E-05	1.74E-05	8.04E-06	5.23E-09	1.58E-08	9.14E-09	1.06E-08	9.56E-09	4.36E-09	2.01E-09	0.00E+00	0.00E+00	1.68E-09	3.58E-10	2.27E-09	3.50E-10	1.56E-10	4.82E-09
3355	481363.09	3848377.25	1.58E-05	1.83E-05	8.43E-06	5.49E-09	1.66E-08	9.59E-09	1.11E-08	1.00E-08	4.58E-09	2.11E-09	0.00E+00	0.00E+00	1.76E-09	3.76E-10	2.38E-09	3.68E-10	1.63E-10	5.05E-09
3356	481863.09	3848377.25	1.58E-05	1.83E-05	8.42E-06	5.48E-09	1.65E-08	9.58E-09	1.11E-08	1.00E-08	4.57E-09	2.11E-09	0.00E+00	0.00E+00	1.76E-09	3.75E-10	2.38E-09	3.67E-10	1.63E-10	5.05E-09
3357	482363.09	3848377.25	1.49E-05	1.72E-05	7.97E-06	5.17E-09	1.56E-08	9.04E-09	1.04E-08	9.46E-09	4.32E-09	1.99E-09	0.00E+00	0.00E+00	1.66E-09	3.54E-10	2.25E-09	3.47E-10	1.54E-10	4.77E-09
3358	482863.09	3848377.25	1.27E-05	1.46E-05	6.80E-06	4.40E-09	1.33E-08	7.69E-09	8.86E-09	8.03E-09	3.67E-09	1.70E-09	0.00E+00	0.00E+00	1.41E-09	3.01E-10	1.91E-09	2.94E-10	1.32E-10	4.05E-09
3359	483363.09	3848377.25	1.24E-05	1.43E-05	6.66E-06	4.30E-09	1.30E-08	7.52E-09	8.66E-09	7.85E-09	3.58E-09	1.67E-09	0.00E+00	0.00E+00	1.38E-09	2.94E-10	1.87E-09	2.88E-10	1.29E-10	3.96E-09
3360	483863.09	3848377.25	1.19E-05	1.37E-05	6.40E-06	4.12E-09	1.24E-08	7.19E-09	8.29E-09	7.52E-09	3.43E-09	1.60E-09	0.00E+00	0.00E+00	1.32E-09	2.81E-10	1.79E-09	2.75E-10	1.24E-10	3.79E-09
3361	484363.09	3848377.25	1.14E-05	1.31E-05	6.15E-06	3.94E-09	1.19E-08	6.88E-09	7.92E-09	7.18E-09	3.28E-09	1.54E-09	0.00E+00	0.00E+00	1.27E-09	2.69E-10	1.71E-09	2.63E-10	1.19E-10	3.62E-09
3362	484863.09	3848377.25	1.20E-05	1.38E-05	6.50E-06	4.16E-09	1.26E-08	7.27E-09	8.37E-09	7.58E-09	3.46E-09	1.63E-09	0.00E+00	0.00E+00	1.34E-09	2.84E-10	1.80E-09	2.78E-10	1.26E-10	3.83E-09
3363	485363.09	3848377.25	1.17E-05	1.34E-05	6.32E-06	4.04E-09	1.22E-08	7.05E-09	8.12E-09	7.36E-09	3.36E-09	1.58E-09	0.00E+00	0.00E+00	1.30E-09	2.76E-10	1.75E-09	2.70E-10	1.23E-10	3.71E-09
3364	485863.09	3848377.25	1.06E-05	1.22E-05	5.78E-06	3.68E-09	1.11E-08	6.44E-09	7.40E-09	6.71E-09	3.06E-09	1.45E-09	0.00E+00	0.00E+00	1.18E-09	2.51E-10	1.59E-09	2.46E-10	1.12E-10	3.39E-09
3365	486363.09	3848377.25	9.66E-06	1.11E-05	5.24E-06	3.34E-09	1.01E-08	5.85E-09	6.73E-09	6.10E-09	2.78E-09	1.31E-09	0.00E+00	0.00E+00	1.08E-09	2.28E-10	1.45E-09	2.23E-10	1.02E-10	3.08E-09
3366	486863.09	3848377.25	9.30E-06	1.07E-05	5.04E-06	3.22E-09	9.72E-09	5.62E-09	6.47E-09	5.87E-09	2.68E-09	1.26E-09	0.00E+00	0.00E+00	1.03E-09	2.20E-10	1.39E-09	2.15E-10	9.76E-11	2.96E-09
3367	487363.09	3848377.25	8.43E-06	9.70E-06	4.58E-06	2.92E-09	8.81E-09	5.10E-09	5.87E-09	5.32E-09	2.43E-09	1.15E-09	0.00E+00	0.00E+00	9.38E-10	1.99E-10	1.26E-09	1.95E-10	8.87E-11	2.69E-09
3368	487863.09	3848377.25	8.14E-06	9.36E-06	4.43E-06	2.82E-09	8.50E-09	4.92E-09	5.66E-09	5.13E-09	2.34E-09	1.11E-09	0.00E+00	0.00E+00	9.06E-10	1.92E-10	1.22E-09	1.88E-10	8.58E-11	2.59E-09
3369	488363.09	3848377.25	8.01E-06	9.21E-06	4.37E-06	2.77E-09	8.37E-09	4.85E-09	5.57E-09	5.05E-09	2.31E-09	1.09E-09	0.00E+00	0.00E+00	8.92E-10	1.89E-10	1.20E-09	1.85E-10	8.47E-11	2.55E-09
3370	488863.09	3848377.25	8.04E-06	9.24E-06	4.41E-06	2.78E-09	8.41E-09	4.87E-09	5.59E-09	5.07E-09	2.31E-09	1.10E-09	0.00E+00	0.00E+00	8.95E-10	1.90E-10	1.20E-09	1.86E-10	8.54E-11	2.56E-09
3371	489363.09	3848377.25	8.14E-06	9.35E-06	4.47E-06	2.82E-09	8.51E-09	4.93E-09	5.66E-09	5.13E-09	2.34E-09	1.12E-09	0.00E+00	0.00E+00	9.06E-10	1.92E-10	1.22E-09	1.88E-10	8.66E-11	2.59E-09
3372	489863.09	3848377.25	8.48E-06	9.74E-06	4.65E-06	2.94E-09	8.86E-09	5.13E-09	5.89E-09	5.34E-09	2.44E-09	1.16E-09	0.00E+00	0.00E+00	9.44E-10	2.00E-10	1.27E-09	1.96E-10	9.00E-11	2.70E-09
3373	490363.09	3848377.25	8.76E-06	1.01E-05	4.79E-06	3.03E-09	9.16E-09	5.30E-09	6.10E-09	5.53E-09	2.52E-09	1.20E-09	0.00E+00	0.00E+00	9.76E-10	2.07E-10	1.31E-09	2.02E-10	9.28E-11	2.79E-09
3374	490863.09	3848377.25	8.76E-06	1.01E-05	4.79E-06	3.03E-09	9.16E-09	5.30E-09	6.10E-09	5.53E-09	2.52E-09	1.20E-09	0.00E+00	0.00E+00	9.76E-10	2.07E-10	1.31E-09	2.02E-10	9.28E-11	2.79E-09
3375	491363.09	3848377.25	8.92E-06	1.03E-05	4.88E-06	3.09E-09	9.33E-09	5.40E-09	6.21E-09	5.63E-09	2.57E-09	1.22E-09	0.00E+00	0.00E+00	9.93E-10	2.11E-10	1.34E-09	2.06E-10	9.45E-11	2.84E-09
3376	491863.09	3848377.25	9.15E-06	1.05E-05	5.00E-06	3.17E-09	9.56E-09	5.54E-09	6.36E-09	5.77E-09	2.63E-09	1.25E-09	0.00E+00	0.00E+00	1.02E-09	2.16E-10	1.37E-09	2.11E-10	9.69E-11	2.91E-09
3377	492363.09	3848377.25	9.15E-06	1.05E-05	4.99E-06	3.17E-09	9.56E-09	5.53E-09	6.36E-09	5.77E-09	2.63E-09	1.25E-09	0.00E+00	0.00E+00	1.02E-09	2.16E-10	1.37E-09	2.11E-10	9.68E-11	2.91E-09
3378	492863.09	3848377.25	9.02E-06	1.04E-05	4.92E-06	3.12E-09	9.43E-09	5.46E-09	6.28E-09	5.69E-09	2.60E-09	1.23E-09	0.00E+00	0.00E+00	1.00E-09	2.13E-10	1.35E-09	2.08E-10	9.54E-11	2.87E-09
3379	493363.09	3848377.25	9.20E-06	1.06E-05	5.01E-06	3.18E-09	9.62E-09	5.57E-09	6.40E-09	5.80E-09	2.65E-09	1.25E-09	0.00E+00	0.00E+00	1.02E-09	2.17E-10	1.38E-09	2.13E-10	9.72E-11	2.93E-09
3380	493863.09	3848377.25	9.32E-06	1.07E-05	5.08E-06	3.23E-09	9.74E-09	5.64E-09	6.48E-09	5.88E-09	2.68E-09	1.27E-09	0.00E+00	0.00E+00	1.04E-09	2.20E-10	1.40E-09	2.15E-10	9.84E-11	2.97E-09
3381	494363.09	3848377.25	9.55E-06	1.10E-05	5.20E-06	3.30E-09	9.98E-09	5.78E-09	6.64E-09	6.02E-09	2.75E-09	1.30E-09	0.00E+00	0.00E+00	1.06E-09	2.25E-10	1.43E-09	2.21E-10	1.01E-10	3.04E-09
3382	494863.09	3848377.25	1.02E-05	1.17E-05	5.55E-06	3.53E-09	1.07E-08	6.17E-09	7.09E-09	6.43E-09	2.93E-09	1.39E-09	0.00E+00	0.00E+00	1.13E-09	2.41E-10	1.53E-09	2.36E-10	1.07E-10	3.25E-09
3383	495363.09	3848377.25	1.03E-05	1.18E-05	5.61E-06	3.56E-09	1.08E-08	6.23E-09	7.16E-09	6.49E-09	2.96E-09	1.40E-09	0.00E+00	0.00E+00	1.15E-09	2.43E-10	1.54E-09	2.38E-10	1.09E-10	3.28E-09
3384	495863.09	3848377.25	1.09E-05	1.25E-05	5.95E-06	3.78E-09	1.14E-08	6.60E-09	7.59E-09	6.88E-09	3.14E-09	1.49E-09	0.00E+00	0.00E+00	1.21E-09	2.58E-10	1.64E-09	2.52E-10	1.15E-10	3.47E-09
3385	496363.09	3848377.25	1.22E-05	1.40E-05	6.64E-06	4.23E-09	1.28E-08	7.39E-09	8.50E-09	7.70E-09	3.51E-09	1.66E-09	0.00E+00	0.00E+00	1.36E-09	2.88E-10	1.83E-09	2.82E-10	1.29E-10	3.89E-09
3386	496863.09	3848377.25	1.28E-05	1.47E-05	6.94E-06	4.41E-09	1.33E-08	7.72E-09	8.88E-09	8.05E-09	3.67E-09	1.74E-09	0.00E+00	0.00E+00	1.42E-09	3.01E-10	1.91E-09	2.95E-10	1.35E-10	4.06E-09
3387	497363.09	3848377.25	1.48E-05	1.70E-05	8.01E-06	5.11E-09	1.54E-08	8.93E-09	1.03E-08	9.31E-09	4.25E-09	2.00E-09	0.00E+00	0.00E+00	1.64E-09	3.49E-10	2.21E-09	3.41E-10	1.55E-10	4.70E-09
3388	497863.09	3848377.25	1.98E-05	2.29E-05	1.07E-05	6.87E-09	2.07E-08	1.20E-08	1.38E-08	1.25E-08	5.72E-09	2.68E-09	0.00E+00	0.00E+00	2.21E-09	4.69E-10	2.98E-09	4.59E-10	2.07E-10	6.32E-09
3389	498363.09	3848377.25	2.13E-05	2.46E-05	1.15E-05	7.38E-09	2.23E-08	1.29E-08	1.49E-08	1.35E-08	6.15E-09	2.87E-09	0.00E+00	0.00E+00	2.37E-09	5.05E-10	3.20E-09	4.94E-10	2.22E-10	6.80E-09
3390	471363.09	3848877.25	2.33E-05	2.69E-05	1.22E-05	8.06E-09	2.43E-08	1.41E-08	1.63E-08	1.48E-08	6.73E-09	3.07E-09	0.00E+00	0.00E+00	2.59E-09	5.53E-10	3.51E-09	5.41E-10	2.37E-10	7.43E-09
3391	471863.09	3848877.25	2.58E-05	2.99E-05	1.36E-05	8.94E-09	2.70E-08	1.56E-08	1.81E-08	1.64E-08	7.47E-09	3.40E-09	0.00E+00	0.00E+00	2.87E-09	6.13E-10	3.89E-09	6.00E-10	2.63E-10	8.24E-09
3392	472363.09	3848877.25	2.84E-05	3.28E-05	1.49E-05	9.83E-09	2.97E-08	1.72E-08	1.99E-08	1.80E-08	8.22E-09	3.73E-09	0.00E+00	0.00E+00	3.16E-09	6.74E-10	4.28E-09	6.60E-10	2.89E-10	9.06E-09
3393	472863.09	3848877.25	2.99E-05	3.46E-05	1.57E-05	1.04E-08	3.13E-08	1.81E-08	2.10E-08	1.90E-08	8.67E-09	3.94E-09	0.00E+00	0.00E+00	3.33E-09	7.11E-10	4.51E-09	6.96E-10	3.05E-10	9.56E-09
3394	473363.09	3848877.25	3.04E-05	3.51E-05	1.59E-05	1.05E-08	3.17E-08	1.84E-08	2.12E-08	1.93E-08	8.79E-09	3.99E-09	0.00E+00	0.00E+00	3.38E-09	7.21E-10	4.58E-09	7.06E-10	3.09E-10	9.69E-09
3395	473863.09	3848877.25	3.05E-05	3.53E-05	1.60E-05	1.06E-08	3.19E-08	1.85E-08	2.13E-08	1.94E-08	8.83E-09	4.01E-09	0.00E+00	0.00E+00	3.40E-09	7.25E-10	4.60E-09	7.09E-10	3.10E-10	9.74E-09
3396	474363.09	3848877.25	3.08E-05	3.56E-05	1.62E-05	1.07E-08	3.22E-08	1.86E-08	2.16E-08	1.95E-08	8.91E-09	4.05E-09	0.00E+00	0.00E+00	3.43E-09	7.32E-10	4.64E-09	7.16E-10	3.13E-10	9.83E-09
3397	474863.09	3848877.25	3.01E-05	3.48E-05	1.58E-05	1.04E-08	3.14E-08	1.82E-08	2.10E-08	1.91E-08	8.70E-09	3.95E-09	0.00E+00	0.00E+00	3.35E-09	7.14E-10	4.53E-09	6.99E-10	3.06E-10	9.60E-09
3398	475363.09	3848877.25	2.93E-05	3.38E-05	1.54E-05	1.01E-08	3.06E-08	1.77E-08	2.05E-08	1.86E-08	8.47E-09	3.85E-09	0.00E+00	0.00E+00	3.26E-09	6.95E-10	4.41E-09	6.80E-10	2.98E-10	9.34E-09
3399	475863.09	3848877.25	2.96E-05	3.43E-05	1.56E-05	1.03E-08	3.10E-08	1.79E-08	2.07E-08	1.88E-08	8.57E-09	3.90E-09	0.00E+00	0.00E+00	3.30E-09	7.04E-10	4.46E-09	6.89E-10	3.02E-10	9.46E-09
3400	476363.09	3848877.25	2.83E-05	3.27E-05	1.49E-05	9.80E-09	2.96E-08	1.71E-08	1.98E-08	1.80E-08	8.19E-09	3.72E-09	0.00E+00	0.00E+00	3.15E-09	6.72E-10	4.27E-09	6.58E-10	2.88E-10	9.03E-09
3401	476863.09	3848877.25	2.56E-05	2.96E-05	1.35E-05	8.86E-09	2.67E-08	1.55E-08	1.79E-08	1.62E-08	7.40E-09	3.37E-09	0.00E+00	0.00E+00	2.85E-09	6.08E-10	3.86E-09	5.94E-10	2.61E-10	8.17E-09
3402	477363.09	3848877.25	2.79E-05	3.23E-05	1.47E-05	9.66E-09	2.92E-08	1.69E-08	1.95E-08	1.77E-08	8.08E-09	3.67E-09	0.00E+00	0.00E+00	3.11E-09	6.63E-10	4.21E-09	6.49E-10	2.84E-10	8.91E-09
3403	477863.09	3848877.25	3.31E-05	3.83E-05	1.74E-05	1.15E-08	3.46E-08	2.00E-08	2.32E-08	2.10E-08	9.58E-09	4.35E-09	0.00E+00	0.00E+00	3.69E-09	7.86E-10	4.99E-09	7.69E-10	3.37E-10	1.06E-08
3404	478363.09	3848877.25	4.47E-05	5.17E-05	2.34E-05	1.55E-08	4.67E-08	2.70E-08	3.13E-08	2.84E-08	1.29E-08	5.86E-09	0.00E+00	0.00E+00	4.97E-09	1.06E-09	6.74E-09	1.04E-09	4.53E-10	1.43E-08
3405	478863.09	3848877.25	4.53E-05	5.24E-05	2.37E-05	1.57E-08	4.73E-08	2.74E-08	3.17E-08	2.87E-08	1.31E-08	5.94E-09	0.00E+00	0.00E+00	5.04E-09	1.08E-09	6.83E-09	1.05E-09	4.60E-10	1.45E-08
3406	479363.09	3848877.25	3.80E-05	4.39E-05	1.99E-05	1.31E-08	3.97E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	4.99E-09	0.00E+00	0.00E+00	4.23E-09	9.02E-10	5.72E-09	8.83E-10	3.86E-10	1.21E-08
3407	479863.09	3848877.25	2.44E-05	2.82E-05	1.29E-05	8.44E-09	2.55E-08	1.48E-08	1.70E-08	1.55E-08	7.05E-09	3.22E-09	0.00E+00	0.00E+00	2.71E-09	5.79E-10	3.67E-09	5.66E-10	2.50E-10	7.78E-09
3408	480363.09	3848877.25	2.40E-05	2.77E-05	1.27E-05	8.30E-09	2.51E-08	1.45E-08	1.68E-08	1.52E-08	6.93E-09	3.18E-09	0.00E+00	0.00E+00	2.67E-09	5.69E-10	3.61E-09	5.57E-10	2.46E-10	7.65E-09
3409	480863.09	3848877.25	2.41E-05	2.78E-05	1.27E-05	8.34E-09	2.52E-08	1.46E-08	1.68E-08	1.53E-08	6.96E-09	3.19E-09	0.00E+00	0.00E+00	2.68E-09	5.72E-10	3.63E-09	5.59E-10	2.47E-10	7.69E-09
3410	481363.09	3848877.25	2.14E-05	2.48E-05	1.14E-05	7.42E-09	2.24E-08	1.30E-08	1.50E-08	1.36E-08	6.20E-09	2.84E-09	0.00E+00	0.00E+00	2.39E-09	5.09E-10	3.23E-09	4.98E-10	2.20E-10	6.84E-09
3411	481863.09	3848877.25	1.92E-05	2.22E-05	1.02E-05	6.64E-09	2.01E-08	1.16E-08	1.34E-08	1.22E-08	5.55E-09	2.55E-09	0.00E+00	0.00E+00	2.14E-09	4.55E-10	2.89E-09	4.45E-10	1.97E-10	6.12E-09
3412	482363.09	3848877.25	1.50E-05	1.73E-05	7.98E-06	5.18E-09	1.56E-08	9.05E-09	1.04E-08	9.46E-09	4.32E-09	2.00E-09	0.00E+00	0.00E+00	1.66E-09	3.54E-10	2.25E-09	3.47E-10	1.55E-10	4.77E-09
3413	482863.09	3848877.25	1.24E-05	1.43E-05	6.64E-06	4.29E-09	1.29E-08	7.49E-09	8.63E-09	7.83E-09	3.57E-09	1.66E-09	0.00E+00	0.00E+00	1.38E-09	2.93E-10	1.86E-09	2.87E-10	1.29E-10	3.95E-09
3414	483363.09	3848877.25	1.11E-05	1.28E-05	6.00E-06	3.86E-09	1.16E-08	6.74E-09	7.77E-09	7.04E-09	3.21E-09	1.50E-09	0.00E+00	0.00E+00	1.24E-09	2.64E-10	1.67E-09	2.58E-10	1.16E-10	3.55E-09
3415	483863.09	3848877.25	1.13E-05	1.30E-05	6.10E-06	3.92E-09	1.18E-08	6.84E-09	7.88E-09	7.15E-09	3.26E-09	1.53E-09	0.00E+00	0.00E+00	1.26E-09	2.68E-10	1.70E-09	2.62E-10	1.18E-10	3.60E-09
3416	484363.09	3848877.25	1.29E-05	1.48E-05	6.92E-06	4.45E-09	1.34E-08	7.78E-09	8.96E-09	8.12E-09	3.71E-09	1.73E-09	0.00E+00	0.00E+00	1.43E-09	3.04E-10	1.93E-09	2.98E-10	1.34E-10	4.10E-09
3417	484863.09	3848877.25	1.44E-05	1.66E-05	7.76E-06	4.99E-09	1.51E-08	8.73E-09	1.01E-08	9.11E-09	4.16E-09	1.94E-09	0.00E+00	0.00E+00	1.61E-09	3.41E-10	2.17E-09	3.34E-10	1.50E-10	4.60E-09
3418	485363.09	3848877.25	1.39E-05	1.60E-05	7.49E-06	4.80E-09	1.45E-08	8.39E-09	9.66E-09	8.76E-09	4.00E-09	1.87E-09	0.00E+00	0.00E+00	1.54E-09	3.28E-10	2.08E-09	3.21E-10	1.45E-10	4.42E-09
3419	485863.09	3848877.25	1.24E-05	1.43E-05	6.73E-06	4.30E-09	1.30E-08	7.51E-09	8.65E-09	7.84E-09	3.58E-09	1.68E-09	0.00E+00	0.00E+00	1.38E-09	2.93E-10	1.86E-09	2.87E-10	1.30E-10	3.95E-09
3420	486363.09	3848877.25	1.09E-05	1.26E-05	5.92E-06	3.78E-09	1.14E-08	6.61E-09	7.60E-09	6.89E-09	3.14E-09	1.48E-09	0.00E+00	0.00E+00	1.22E-09	2.58E-10	1.64E-09	2.53E-10	1.15E-10	3.48E-09
3421	486863.09	3848877.25	1.03E-05	1.18E-05	5.57E-06	3.56E-09	1.07E-08	6.22E-09	7.16E-09	6.49E-09	2.96E-09	1.39E-09	0.00E+00	0.00E+00	1.14E-09	2.43E-10	1.54E-09	2.38E-10	1.08E-10	3.28E-09
3422	487363.09	3848877.25	9.93E-06	1.14E-05	5.37E-06	3.44E-09	1.04E-08	6.01E-09	6.92E-09	6.27E-09	2.86E-09	1.34E-09	0.00E+00	0.00E+00	1.11E-09	2.35E-10	1.49E-09	2.30E-10	1.04E-10	3.16E-09
3423	487863.09	3848877.25	9.34E-06	1.07E-05	5.06E-06	3.23E-09	9.76E-09	5.65E-09	6.50E-09	5.90E-09	2.69E-09	1.27E-09	0.00E+00	0.00E+00	1.04E-09	2.21E-10	1.40E-09	2.16E-10	9.82E-11	2.98E-09
3424	488363.09	3848877.25	9.33E-06	1.07E-05	5.07E-06	3.23E-09	9.75E-09	5.65E-09	6.49E-09	5.89E-09	2.69E-09	1.27E-09	0.00E+00	0.00E+00	1.04E-09	2.20E-10	1.40E-09	2.16E-10	9.83E-11	2.97E-09
3425	488863.09	3848877.25	9.33E-06	1.07E-05	5.09E-06	3.23E-09	9.75E-09	5.64E-09	6.49E-09	5.88E-09	2.68E-09	1.27E-09	0.00E+00	0.00E+00	1.04E-09	2.20E-10	1.40E-09	2.16E-10	9.86E-11	2.97E-09
3426	489363.09	3848877.25	9.58E-06	1.10E-05	5.24E-06	3.32E-09	1.00E-08	5.80E-09	6.66E-09	6.04E-09	2.76E-09	1.31E-09	0.00E+00	0.00E+00	1.07E-09	2.26E-10	1.44E-09	2.21E-10	1.01E-10	3.05E-09
3427	489863.09	3848877.25	1.01E-05	1.16E-05	5.51E-06	3.50E-09	1.06E-08	6.11E-09	7.03E-09	6.37E-09	2.91E-09	1.38E-09	0.00E+00	0.00E+00	1.12E-09	2.39E-10	1.51E-09	2.34E-10	1.07E-10	3.22E-09
3428	490363.09	3848877.25	1.01E-05	1.16E-05	5.48E-06	3.48E-09	1.05E-08	6.08E-09	7.00E-09	6.34E-09	2.89E-09	1.37E-09	0.00E+00	0.00E+00	1.12E-09	2.37E-10	1.51E-09	2.32E-10	1.06E-10	3.20E-09
3429	490863.09	3848877.25	1.01E-05	1.17E-05	5.52E-06	3.51E-09	1.06E-08	6.13E-09	7.05E-09	6.39E-09	2.92E-09	1.38E-09	0.00E+00	0.00E+00	1.13E-09	2.39E-10	1.52E-09	2.34E-10	1.07E-10	3.23E-09
3430	491363.09	3848877.25	1.03E-05	1.19E-05	5.63E-06	3.57E-09	1.08E-08	6.25E-09	7.18E-09	6.51E-09	2.97E-09	1.41E-09	0.00E+00	0.00E+00	1.15E-09	2.44E-10	1.55E-09	2.39E-10	1.09E-10	3.29E-09
3431	491863.09	3848877.25	1.02E-05	1.17E-05	5.57E-06	3.54E-09	1.07E-08	6.18E-09	7.11E-09	6.44E-09	2.94E-09	1.39E-09	0.00E+00	0.00E+00	1.14E-09	2.41E-10	1.53E-09	2.36E-10	1.08E-10	3.25E-09
3432	492363.09	3848877.25	1.01E-05	1.16E-05	5.50E-06	3.49E-09	1.05E-08	6.11E-09	7.02E-09	6.37E-09	2.90E-09	1.38E-09	0.00E+00	0.00E+00	1.12E-09	2.38E-10	1.51E-09	2.33E-10	1.07E-10	3.21E-09
3433	492863.09	3848877.25	9.74E-06	1.12E-05	5.31E-06	3.37E-09	1.02E-08	5.90E-09	6.78E-09	6.15E-09	2.80E-09	1.33E-09	0.00E+00	0.00E+00	1.08E-09	2.30E-10	1.46E-09	2.25E-10	1.03E-10	3.10E-09
3434	493363.09	3848877.25	9.48E-06	1.09E-05	5.17E-06	3.28E-09	9.91E-09	5.74E-09	6.60E-09	5.98E-09	2.73E-09	1.29E-09	0.00E+00	0.00E+00	1.06E-09	2.24E-10	1.42E-09	2.19E-10	1.00E-10	3.02E-09
3435	493863.09	3848877.25	1.01E-05	1.16E-05	5.49E-06	3.49E-09	1.05E-08	6.10E-09	7.02E-09	6.36E-09	2.90E-09	1.37E-09	0.00E+00	0.00E+00	1.12E-09	2.38E-10	1.51E-09	2.33E-10	1.06E-10	3.21E-09
3436	494363.09	3848877.25	1.06E-05	1.22E-05	5.78E-06	3.68E-09	1.11E-08	6.43E-09	7.39E-09	6.70E-09	3.06E-09	1.45E-09	0.00E+00	0.00E+00	1.18E-09	2.51E-10	1.59E-09	2.45E-10	1.12E-10	3.38E-09
3437	494863.09	3848877.25	1.16E-05	1.34E-05	6.33E-06	4.03E-09	1.22E-08	7.05E-09	8.11E-09	7.35E-09	3.35E-09	1.58E-09	0.00E+00	0.00E+00	1.30E-09	2.75E-10	1.75E-09	2.69E-10	1.23E-10	3.71E-09
3438	495363.09	3848877.25	1.26E-05	1.45E-05	6.85E-06	4.36E-09	1.32E-08	7.63E-09	8.78E-09	7.96E-09	3.63E-09	1.71E-09	0.00E+00	0.00E+00	1.40E-09	2.98E-10	1.89E-09	2.92E-10	1.33E-10	4.02E-09
3439	495863.09	3848877.25	1.27E-05	1.46E-05	6.89E-06	4.38E-09	1.32E-08	7.66E-09	8.81E-09	7.99E-09	3.65E-09	1.72E-09	0.00E+00	0.00E+00	1.41E-09	2.99E-10	1.90E-09	2.93E-10	1.33E-10	4.03E-09
3440	496363.09	3848877.25	1.36E-05	1.57E-05	7.40E-06	4.72E-09	1.42E-08	8.24E-09	9.48E-09	8.60E-09	3.92E-09	1.85E-09	0.00E+00	0.00E+00	1.52E-09	3.22E-10	2.04E-09	3.15E-10	1.43E-10	4.34E-09
3441	496863.09	3848877.25	1.57E-05	1.81E-05	8.53E-06	5.45E-09	1.65E-08	9.52E-09	1.10E-08	9.94E-09	4.53E-09	2.14E-09	0.00E+00	0.00E+00	1.75E-09	3.72E-10	2.36E-09	3.64E-10	1.65E-10	5.01E-09
3442	497363.09	3848877.25	2.01E-05	2.32E-05	1.09E-05	6.97E-09	2.10E-08	1.22E-08	1.40E-08	1.27E-08	5.80E-09	2.72E-09	0.00E+00	0.00E+00	2.24E-09	4.76E-10	3.02E-09	4.66E-10	2.10E-10	6.41E-09
3443	497863.09	3848877.25	2.30E-05	2.65E-05	1.24E-05	7.97E-09	2.41E-08	1.39E-08	1.61E-08	1.46E-08	6.64E-09	3.10E-09	0.00E+00	0.00E+00	2.56E-09	5.45E-10	3.46E-09	5.33E-10	2.40E-10	7.34E-09
3444	498363.09	3848877.25	2.57E-05	2.97E-05	1.38E-05	8.91E-09	2.69E-08	1.56E-08	1.79E-08	1.63E-08	7.42E-09	3.45E-09	0.00E+00	0.00E+00	2.86E-09	6.09E-10	3.87E-09	5.96E-10	2.67E-10	8.20E-09
3445	471363.09	3849377.25	2.28E-05	2.64E-05	1.20E-05	7.91E-09	2.39E-08	1.38E-08	1.60E-08	1.45E-08	6.61E-09	3.01E-09	0.00E+00	0.00E+00	2.54E-09	5.42E-10	3.44E-09	5.31E-10	2.33E-10	7.29E-09
3446	471863.09	3849377.25	2.44E-05	2.82E-05	1.29E-05	8.45E-09	2.55E-08	1.48E-08	1.71E-08	1.55E-08	7.07E-09	3.22E-09	0.00E+00	0.00E+00	2.72E-09	5.80E-10	3.68E-09	5.67E-10	2.49E-10	7.80E-09
3447	472363.09	3849377.25	2.64E-05	3.05E-05	1.39E-05	9.14E-09	2.76E-08	1.60E-08	1.85E-08	1.68E-08	7.64E-09	3.48E-09	0.00E+00	0.00E+00	2.94E-09	6.27E-10	3.98E-09	6.14E-10	2.69E-10	8.43E-09
3448	472863.09	3849377.25	2.92E-05	3.37E-05	1.53E-05	1.01E-08	3.05E-08	1.77E-08	2.04E-08	1.85E-08	8.45E-09	3.84E-09	0.00E+00	0.00E+00	3.25E-09	6.93E-10	4.40E-09	6.78E-10	2.97E-10	9.31E-09
3449	473363.09	3849377.25	3.19E-05	3.69E-05	1.68E-05	1.10E-08	3.34E-08	1.93E-08	2.23E-08	2.02E-08	9.24E-09	4.19E-09	0.00E+00	0.00E+00	3.55E-09	7.58E-10	4.81E-09	7.42E-10	3.25E-10	1.02E-08
3450	473863.09	3849377.25	3.35E-05	3.88E-05	1.76E-05	1.16E-08	3.51E-08	2.03E-08	2.35E-08	2.13E-08	9.71E-09	4.41E-09	0.00E+00	0.00E+00	3.73E-09	7.97E-10	5.05E-09	7.80E-10	3.41E-10	1.07E-08
3451	474363.09	3849377.25	3.41E-05	3.94E-05	1.79E-05	1.18E-08	3.56E-08	2.06E-08	2.39E-08	2.16E-08	9.87E-09	4.48E-09	0.00E+00	0.00E+00	3.79E-09	8.10E-10	5.14E-09	7.92E-10	3.47E-10	1.09E-08
3452	474863.09	3849377.25	3.44E-05	3.98E-05	1.81E-05	1.19E-08	3.60E-08	2.08E-08	2.41E-08	2.18E-08	9.96E-09	4.52E-09	0.00E+00	0.00E+00	3.83E-09	8.18E-10	5.19E-09	8.00E-10	3.50E-10	1.10E-08
3453	475363.09	3849377.25	3.45E-05	3.99E-05	1.81E-05	1.19E-08	3.60E-08	2.08E-08	2.41E-08	2.19E-08	9.97E-09	4.53E-09	0.00E+00	0.00E+00	3.84E-09	8.19E-10	5.19E-09	8.01E-10	3.50E-10	1.10E-08
3454	475863.09	3849377.25	3.44E-05	3.98E-05	1.81E-05	1.19E-08	3.60E-08	2.08E-08	2.41E-08	2.18E-08	9.96E-09	4.52E-09	0.00E+00	0.00E+00	3.83E-09	8.18E-10	5.19E-09	8.00E-10	3.50E-10	1.10E-08
3455	476363.09	3849377.25	3.43E-05	3.97E-05	1.80E-05	1.19E-08	3.59E-08	2.08E-08	2.40E-08	2.18E-08	9.93E-09	4.51E-09	0.00E+00	0.00E+00	3.82E-09	8.15E-10	5.17E-09	7.98E-10	3.49E-10	1.10E-08
3456	476863.09	3849377.25	3.36E-05	3.88E-05	1.76E-05	1.16E-08	3.51E-08	2.03E-08	2.35E-08	2.13E-08	9.72E-09	4.41E-09	0.00E+00	0.00E+00	3.74E-09	7.98E-10	5.06E-09	7.81E-10	3.42E-10	1.07E-08
3457	477363.09	3849377.25	3.15E-05	3.64E-05	1.65E-05	1.09E-08	3.29E-08	1.91E-08	2.20E-08	2.00E-08	9.11E-09	4.14E-09	0.00E+00	0.00E+00	3.51E-09	7.48E-10	4.75E-09	7.32E-10	3.21E-10	1.01E-08
3458	477863.09	3849377.25	3.07E-05	3.54E-05	1.61E-05	1.06E-08	3.20E-08	1.85E-08	2.14E-08	1.94E-08	8.87E-09	4.03E-09	0.00E+00	0.00E+00	3.41E-09	7.28E-10	4.62E-09	7.12E-10	3.12E-10	9.78E-09

3459	478363.09	3849377.25	3.71E-05	4.29E-05	1.95E-05	1.29E-08	3.88E-08	2.25E-08	2.60E-08	2.36E-08	1.07E-08	4.88E-09	0.00E+00	0.00E+00	4.13E-09	8.82E-10	5.60E-09	8.63E-10	3.78E-10	1.19E-08
3460	478863.09	3849377.25	4.90E-05	5.67E-05	2.56E-05	1.70E-08	5.12E-08	2.96E-08	3.43E-08	3.11E-08	1.42E-08	6.42E-09	0.00E+00	0.00E+00	5.45E-09	1.16E-09	7.38E-09	1.14E-09	4.97E-10	1.56E-08
3461	479363.09	3849377.25	5.09E-05	5.89E-05	2.67E-05	1.76E-08	5.33E-08	3.08E-08	3.57E-08	3.23E-08	1.48E-08	6.68E-09	0.00E+00	0.00E+00	5.67E-09	1.21E-09	7.68E-09	1.18E-09	5.17E-10	1.63E-08
3462	479863.09	3849377.25	4.07E-05	4.70E-05	2.13E-05	1.41E-08	4.25E-08	2.46E-08	2.84E-08	2.58E-08	1.18E-08	5.34E-09	0.00E+00	0.00E+00	4.52E-09	9.66E-10	6.13E-09	9.45E-10	4.14E-10	1.30E-08
3463	480363.09	3849377.25	3.48E-05	4.03E-05	1.84E-05	1.21E-08	3.64E-08	2.11E-08	2.44E-08	2.21E-08	1.01E-08	4.59E-09	0.00E+00	0.00E+00	3.88E-09	8.27E-10	5.25E-09	8.09E-10	3.56E-10	1.11E-08
3464	480863.09	3849377.25	3.21E-05	3.71E-05	1.69E-05	1.11E-08	3.35E-08	1.94E-08	2.24E-08	2.03E-08	9.28E-09	4.24E-09	0.00E+00	0.00E+00	3.57E-09	7.61E-10	4.83E-09	7.45E-10	3.28E-10	1.02E-08
3465	481363.09	3849377.25	2.57E-05	2.97E-05	1.36E-05	8.89E-09	2.68E-08	1.55E-08	1.79E-08	1.63E-08	7.42E-09	3.40E-09	0.00E+00	0.00E+00	2.86E-09	6.09E-10	3.87E-09	5.96E-10	2.63E-10	8.19E-09
3466	481863.09	3849377.25	1.83E-05	2.12E-05	9.74E-06	6.34E-09	1.92E-08	1.11E-08	1.28E-08	1.16E-08	5.29E-09	2.44E-09	0.00E+00	0.00E+00	2.04E-09	4.34E-10	2.76E-09	4.25E-10	1.89E-10	5.84E-09
3467	482363.09	3849377.25	1.56E-05	1.80E-05	8.30E-06	5.39E-09	1.63E-08	9.41E-09	1.09E-08	9.85E-09	4.49E-09	2.08E-09	0.00E+00	0.00E+00	1.73E-09	3.69E-10	2.34E-09	3.61E-10	1.61E-10	4.96E-09
3468	482863.09	3849377.25	1.26E-05	1.46E-05	6.78E-06	4.38E-09	1.32E-08	7.65E-09	8.82E-09	8.00E-09	3.65E-09	1.70E-09	0.00E+00	0.00E+00	1.41E-09	2.99E-10	1.90E-09	2.93E-10	1.31E-10	4.03E-09
3469	483363.09	3849377.25	1.16E-05	1.33E-05	6.22E-06	4.00E-09	1.21E-08	6.99E-09	8.06E-09	7.30E-09	3.33E-09	1.56E-09	0.00E+00	0.00E+00	1.29E-09	2.73E-10	1.74E-09	2.68E-10	1.21E-10	3.68E-09
3470	483863.09	3849377.25	1.04E-05	1.20E-05	5.65E-06	3.61E-09	1.09E-08	6.31E-09	7.27E-09	6.59E-09	3.01E-09	1.41E-09	0.00E+00	0.00E+00	1.16E-09	2.47E-10	1.57E-09	2.41E-10	1.09E-10	3.32E-09
3471	484363.09	3849377.25	1.45E-05	1.67E-05	7.80E-06	5.03E-09	1.52E-08	8.79E-09	1.01E-08	9.18E-09	4.19E-09	1.95E-09	0.00E+00	0.00E+00	1.62E-09	3.44E-10	2.18E-09	3.37E-10	1.51E-10	4.63E-09
3472	484863.09	3849377.25	1.72E-05	1.98E-05	9.21E-06	5.95E-09	1.80E-08	1.04E-08	1.20E-08	1.09E-08	4.96E-09	2.31E-09	0.00E+00	0.00E+00	1.91E-09	4.07E-10	2.58E-09	3.98E-10	1.78E-10	5.48E-09
3473	485363.09	3849377.25	1.67E-05	1.92E-05	8.96E-06	5.77E-09	1.74E-08	1.01E-08	1.16E-08	1.05E-08	4.81E-09	2.24E-09	0.00E+00	0.00E+00	1.86E-09	3.94E-10	2.50E-09	3.86E-10	1.74E-10	5.31E-09
3474	485863.09	3849377.25	1.22E-05	1.40E-05	6.62E-06	4.22E-09	1.27E-08	7.37E-09	8.48E-09	7.69E-09	3.51E-09	1.66E-09	0.00E+00	0.00E+00	1.36E-09	2.88E-10	1.83E-09	2.82E-10	1.28E-10	3.88E-09
3475	486363.09	3849377.25	9.98E-06	1.15E-05	5.44E-06	3.45E-09	1.04E-08	6.04E-09	6.94E-09	6.29E-09	2.87E-09	1.36E-09	0.00E+00	0.00E+00	1.11E-09	2.36E-10	1.50E-09	2.31E-10	1.05E-10	3.18E-09
3476	486863.09	3849377.25	1.16E-05	1.34E-05	6.29E-06	4.03E-09	1.22E-08	7.04E-09	8.11E-09	7.35E-09	3.36E-09	1.57E-09	0.00E+00	0.00E+00	1.30E-09	2.75E-10	1.75E-09	2.69E-10	1.22E-10	3.71E-09
3477	487363.09	3849377.25	1.14E-05	1.31E-05	6.15E-06	3.95E-09	1.19E-08	6.90E-09	7.94E-09	7.20E-09	3.29E-09	1.54E-09	0.00E+00	0.00E+00	1.27E-09	2.70E-10	1.71E-09	2.64E-10	1.19E-10	3.63E-09
3478	487863.09	3849377.25	1.11E-05	1.28E-05	6.02E-06	3.86E-09	1.16E-08	6.74E-09	7.76E-09	7.04E-09	3.21E-09	1.51E-09	0.00E+00	0.00E+00	1.24E-09	2.63E-10	1.67E-09	2.58E-10	1.17E-10	3.55E-09
3479	488363.09	3849377.25	1.10E-05	1.26E-05	5.95E-06	3.80E-09	1.15E-08	6.65E-09	7.65E-09	6.93E-09	3.16E-09	1.49E-09	0.00E+00	0.00E+00	1.22E-09	2.60E-10	1.65E-09	2.54E-10	1.15E-10	3.50E-09
3480	488863.09	3849377.25	1.14E-05	1.31E-05	6.16E-06	3.93E-09	1.19E-08	6.87E-09	7.91E-09	7.17E-09	3.27E-09	1.54E-09	0.00E+00	0.00E+00	1.26E-09	2.68E-10	1.70E-09	2.63E-10	1.19E-10	3.62E-09
3481	489363.09	3849377.25	1.18E-05	1.36E-05	6.41E-06	4.08E-09	1.23E-08	7.14E-09	8.21E-09	7.44E-09	3.40E-09	1.60E-09	0.00E+00	0.00E+00	1.31E-09	2.79E-10	1.77E-09	2.73E-10	1.24E-10	3.76E-09
3482	489863.09	3849377.25	1.20E-05	1.38E-05	6.53E-06	4.16E-09	1.26E-08	7.28E-09	8.37E-09	7.59E-09	3.46E-09	1.63E-09	0.00E+00	0.00E+00	1.34E-09	2.84E-10	1.80E-09	2.78E-10	1.27E-10	3.83E-09
3483	490363.09	3849377.25	1.18E-05	1.36E-05	6.42E-06	4.10E-09	1.24E-08	7.16E-09	8.24E-09	7.47E-09	3.41E-09	1.61E-09	0.00E+00	0.00E+00	1.32E-09	2.80E-10	1.77E-09	2.74E-10	1.24E-10	3.77E-09
3484	490863.09	3849377.25	1.20E-05	1.38E-05	6.54E-06	4.16E-09	1.26E-08	7.28E-09	8.38E-09	7.59E-09	3.46E-09	1.64E-09	0.00E+00	0.00E+00	1.34E-09	2.84E-10	1.80E-09	2.78E-10	1.27E-10	3.83E-09
3485	491363.09	3849377.25	1.22E-05	1.40E-05	6.62E-06	4.22E-09	1.27E-08	7.37E-09	8.48E-09	7.69E-09	3.51E-09	1.66E-09	0.00E+00	0.00E+00	1.36E-09	2.88E-10	1.83E-09	2.82E-10	1.28E-10	3.88E-09
3486	491863.09	3849377.25	1.19E-05	1.37E-05	6.49E-06	4.13E-09	1.25E-08	7.23E-09	8.32E-09	7.54E-09	3.44E-09	1.62E-09	0.00E+00	0.00E+00	1.33E-09	2.82E-10	1.79E-09	2.76E-10	1.26E-10	3.80E-09
3487	492363.09	3849377.25	1.18E-05	1.36E-05	6.40E-06	4.08E-09	1.23E-08	7.13E-09	8.21E-09	7.44E-09	3.39E-09	1.60E-09	0.00E+00	0.00E+00	1.31E-09	2.79E-10	1.77E-09	2.73E-10	1.24E-10	3.76E-09
3488	492863.09	3849377.25	1.11E-05	1.28E-05	6.06E-06	3.86E-09	1.17E-08	6.74E-09	7.76E-09	7.03E-09	3.21E-09	1.52E-09	0.00E+00	0.00E+00	1.24E-09	2.63E-10	1.67E-09	2.58E-10	1.17E-10	3.55E-09
3489	493363.09	3849377.25	1.14E-05	1.31E-05	6.20E-06	3.95E-09	1.19E-08	6.90E-09	7.94E-09	7.20E-09	3.29E-09	1.55E-09	0.00E+00	0.00E+00	1.27E-09	2.70E-10	1.71E-09	2.64E-10	1.20E-10	3.63E-09
3490	493863.09	3849377.25	1.19E-05	1.37E-05	6.46E-06	4.12E-09	1.24E-08	7.20E-09	8.29E-09	7.51E-09	3.43E-09	1.62E-09	0.00E+00	0.00E+00	1.33E-09	2.81E-10	1.79E-09	2.75E-10	1.25E-10	3.79E-09
3491	494363.09	3849377.25	1.30E-05	1.50E-05	7.07E-06	4.52E-09	1.36E-08	7.89E-09	9.08E-09	8.23E-09	3.76E-09	1.77E-09	0.00E+00	0.00E+00	1.45E-09	3.08E-10	1.96E-09	3.02E-10	1.37E-10	4.16E-09
3492	494863.09	3849377.25	1.56E-05	1.79E-05	8.42E-06	5.39E-09	1.63E-08	9.43E-09	1.09E-08	9.84E-09	4.49E-09	2.11E-09	0.00E+00	0.00E+00	1.73E-09	3.68E-10	2.34E-09	3.60E-10	1.63E-10	4.96E-09
3493	495363.09	3849377.25	1.72E-05	1.98E-05	9.29E-06	5.96E-09	1.80E-08	1.04E-08	1.20E-08	1.09E-08	4.96E-09	2.33E-09	0.00E+00	0.00E+00	1.92E-09	4.07E-10	2.58E-09	3.98E-10	1.80E-10	5.48E-09
3494	495863.09	3849377.25	1.52E-05	1.75E-05	8.25E-06	5.26E-09	1.59E-08	9.20E-09	1.06E-08	9.60E-09	4.38E-09	2.06E-09	0.00E+00	0.00E+00	1.69E-09	3.59E-10	2.28E-09	3.52E-10	1.60E-10	4.84E-09
3495	496363.09	3849377.25	1.58E-05	1.82E-05	8.56E-06	5.47E-09	1.65E-08	9.55E-09	1.10E-08	9.97E-09	4.55E-09	2.14E-09	0.00E+00	0.00E+00	1.76E-09	3.73E-10	2.37E-09	3.65E-10	1.66E-10	5.03E-09
3496	496863.09	3849377.25	2.10E-05	2.42E-05	1.13E-05	7.28E-09	2.20E-08	1.27E-08	1.47E-08	1.33E-08	6.07E-09	2.84E-09	0.00E+00	0.00E+00	2.34E-09	4.98E-10	3.16E-09	4.87E-10	2.20E-10	6.70E-09
3497	497363.09	3849377.25	2.38E-05	2.74E-05	1.28E-05	8.24E-09	2.49E-08	1.44E-08	1.66E-08	1.50E-08	6.86E-09	3.20E-09	0.00E+00	0.00E+00	2.65E-09	5.63E-10	3.57E-09	5.51E-10	2.48E-10	7.59E-09
3498	497863.09	3849377.25	3.14E-05	3.62E-05	1.67E-05	1.09E-08	3.28E-08	1.90E-08	2.19E-08	1.98E-08	9.05E-09	4.19E-09	0.00E+00	0.00E+00	3.49E-09	7.43E-10	4.71E-09	7.27E-10	3.25E-10	1.00E-08
3499	498363.09	3849377.25	3.15E-05	3.63E-05	1.68E-05	1.09E-08	3.29E-08	1.90E-08	2.20E-08	1.99E-08	9.08E-09	4.21E-09	0.00E+00	0.00E+00	3.50E-09	7.46E-10	4.73E-09	7.30E-10	3.26E-10	1.00E-08
3500	471363.09	3849877.25	2.11E-05	2.44E-05	1.11E-05	7.31E-09	2.21E-08	1.28E-08	1.48E-08	1.34E-08	6.10E-09	2.79E-09	0.00E+00	0.00E+00	2.35E-09	5.01E-10	3.18E-09	4.90E-10	2.16E-10	6.73E-09
3501	471863.09	3849877.25	2.38E-05	2.75E-05	1.25E-05	8.25E-09	2.49E-08	1.44E-08	1.67E-08	1.51E-08	6.89E-09	3.14E-09	0.00E+00	0.00E+00	2.65E-09	5.65E-10	3.59E-09	5.53E-10	2.43E-10	7.60E-09
3502	472363.09	3849877.25	2.59E-05	2.99E-05	1.36E-05	8.96E-09	2.70E-08	1.57E-08	1.81E-08	1.64E-08	7.49E-09	3.41E-09	0.00E+00	0.00E+00	2.88E-09	6.14E-10	3.90E-09	6.01E-10	2.64E-10	8.26E-09
3503	472863.09	3849877.25	2.77E-05	3.21E-05	1.46E-05	9.60E-09	2.90E-08	1.68E-08	1.94E-08	1.76E-08	8.02E-09	3.65E-09	0.00E+00	0.00E+00	3.09E-09	6.58E-10	4.18E-09	6.44E-10	2.82E-10	8.85E-09
3504	473363.09	3849877.25	3.00E-05	3.47E-05	1.58E-05	1.04E-08	3.14E-08	1.82E-08	2.10E-08	1.91E-08	8.69E-09	3.95E-09	0.00E+00	0.00E+00	3.34E-09	7.13E-10	4.53E-09	6.98E-10	3.06E-10	9.59E-09
3505	473863.09	3849877.25	3.32E-05	3.84E-05	1.74E-05	1.15E-08	3.47E-08	2.01E-08	2.32E-08	2.10E-08	9.60E-09	4.36E-09	0.00E+00	0.00E+00	3.69E-09	7.88E-10	5.00E-09	7.71E-10	3.38E-10	1.06E-08
3506	474363.09	3849877.25	3.62E-05	4.18E-05	1.90E-05	1.25E-08	3.78E-08	2.19E-08	2.53E-08	2.29E-08	1.05E-08	4.75E-09	0.00E+00	0.00E+00	4.03E-09	8.59E-10	5.45E-09	8.41E-10	3.68E-10	1.15E-08
3507	474863.09	3849877.25	3.80E-05	4.39E-05	1.99E-05	1.31E-08	3.97E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	4.98E-09	0.00E+00	0.00E+00	4.23E-09	9.02E-10	5.72E-09	8.83E-10	3.86E-10	1.21E-08
3508	475363.09	3849877.25	3.86E-05	4.47E-05	2.03E-05	1.34E-08	4.04E-08	2.34E-08	2.70E-08	2.45E-08	1.12E-08	5.07E-09	0.00E+00	0.00E+00	4.30E-09	9.18E-10	5.82E-09	8.98E-10	3.93E-10	1.23E-08
3509	475863.09	3849877.25	3.90E-05	4.51E-05	2.04E-05	1.35E-08	4.07E-08	2.36E-08	2.73E-08	2.47E-08	1.13E-08	5.11E-09	0.00E+00	0.00E+00	4.34E-09	9.26E-10	5.87E-09	9.06E-10	3.96E-10	1.24E-08
3510	476363.09	3849877.25	3.90E-05	4.52E-05	2.05E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.48E-08	1.13E-08	5.12E-09	0.00E+00	0.00E+00	4.35E-09	9.27E-10	5.89E-09	9.08E-10	3.97E-10	1.25E-08
3511	476863.09	3849877.25	3.90E-05	4.52E-05	2.05E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.48E-08	1.13E-08	5.12E-09	0.00E+00	0.00E+00	4.35E-09	9.27E-10	5.89E-09	9.08E-10	3.97E-10	1.25E-08
3512	477363.09	3849877.25	3.87E-05	4.48E-05	2.03E-05	1.34E-08	4.05E-08	2.34E-08	2.71E-08	2.46E-08	1.12E-08	5.09E-09	0.00E+00	0.00E+00	4.31E-09	9.21E-10	5.84E-09	9.01E-10	3.94E-10	1.24E-08
3513	477863.09	3849877.25	3.72E-05	4.30E-05	1.95E-05	1.29E-08	3.89E-08	2.25E-08	2.60E-08	2.36E-08	1.08E-08	4.88E-09	0.00E+00	0.00E+00	4.14E-09	8.83E-10	5.60E-09	8.64E-10	3.78E-10	1.19E-08
3514	478363.09	3849877.25	3.55E-05	4.10E-05	1.86E-05	1.23E-08	3.71E-08	2.15E-08	2.48E-08	2.25E-08	1.03E-08	4.66E-09	0.00E+00	0.00E+00	3.95E-09	8.42E-10	5.34E-09	8.24E-10	3.61E-10	1.13E-08
3515	478863.09	3849877.25	4.25E-05	4.91E-05	2.23E-05	1.47E-08	4.44E-08	2.57E-08	2.97E-08	2.70E-08	1.23E-08	5.57E-09	0.00E+00	0.00E+00	4.73E-09	1.01E-09	6.40E-09	9.88E-10	4.32E-10	1.36E-08
3516	479363.09	3849877.25	5.69E-05	6.58E-05	2.98E-05	1.97E-08	5.94E-08	3.44E-08	3.98E-08	3.61E-08	1.65E-08	7.45E-09	0.00E+00	0.00E+00	6.33E-09	1.35E-09	8.58E-09	1.32E-09	5.77E-10	1.82E-08
3517	479863.09	3849877.25	6.24E-05	7.22E-05	3.26E-05	2.16E-08	6.52E-08	3.78E-08	4.37E-08	3.96E-08	1.81E-08	8.17E-09	0.00E+00	0.00E+00	6.95E-09	1.48E-09	9.41E-09	1.45E-09	6.32E-10	1.99E-08
3518	480363.09	3849877.25	5.11E-05	5.91E-05	2.68E-05	1.77E-08	5.34E-08	3.09E-08	3.58E-08	3.24E-08	1.48E-08	6.70E-09	0.00E+00	0.00E+00	5.69E-09	1.21E-09	7.70E-09	1.19E-09	5.19E-10	1.63E-08
3519	480863.09	3849877.25	3.62E-05	4.19E-05	1.91E-05	1.25E-08	3.79E-08	2.19E-08	2.53E-08	2.30E-08	1.05E-08	4.77E-09	0.00E+00	0.00E+00	4.03E-09	8.60E-10	5.46E-09	8.42E-10	3.70E-10	1.16E-08
3520	481363.09	3849877.25	3.20E-05	3.69E-05	1.69E-05	1.11E-08	3.34E-08	1.93E-08	2.23E-08	2.03E-08	9.24E-09	4.22E-09	0.00E+00	0.00E+00	3.56E-09	7.58E-10	4.81E-09	7.42E-10	3.27E-10	1.02E-08
3521	481863.09	3849877.25	1.99E-05	2.29E-05	1.06E-05	6.88E-09	2.08E-08	1.20E-08	1.39E-08	1.26E-08	5.74E-09	2.64E-09	0.00E+00	0.00E+00	2.21E-09	4.71E-10	2.99E-09	4.61E-10	2.04E-10	6.34E-09
3522	482363.09	3849877.25	1.62E-05	1.87E-05	8.65E-06	5.61E-09	1.69E-08	9.81E-09	1.13E-08	1.03E-08	4.68E-09	2.16E-09	0.00E+00	0.00E+00	1.80E-09	3.84E-10	2.44E-09	3.76E-10	1.68E-10	5.17E-09
3523	482863.09	3849877.25	1.38E-05	1.59E-05	7.38E-06	4.77E-09	1.44E-08	8.33E-09	9.61E-09	8.71E-09	3.97E-09	1.85E-09	0.00E+00	0.00E+00	1.53E-09	3.26E-10	2.07E-09	3.19E-10	1.43E-10	4.39E-09
3524	483363.09	3849877.25	1.22E-05	1.40E-05	6.54E-06	4.21E-09	1.27E-08	7.36E-09	8.48E-09	7.69E-09	3.51E-09	1.64E-09	0.00E+00	0.00E+00	1.35E-09	2.88E-10	1.83E-09	2.82E-10	1.27E-10	3.88E-09
3525	483863.09	3849877.25	1.23E-05	1.41E-05	6.60E-06	4.24E-09	1.28E-08	7.42E-09	8.54E-09	7.74E-09	3.53E-09	1.65E-09	0.00E+00	0.00E+00	1.36E-09	2.90E-10	1.84E-09	2.84E-10	1.28E-10	3.91E-09
3526	484363.09	3849877.25	1.63E-05	1.88E-05	8.71E-06	5.63E-09	1.70E-08	9.85E-09	1.14E-08	1.03E-08	4.70E-09	2.18E-09	0.00E+00	0.00E+00	1.81E-09	3.85E-10	2.45E-09	3.77E-10	1.69E-10	5.19E-09
3527	484863.09	3849877.25	2.14E-05	2.47E-05	1.14E-05	7.41E-09	2.24E-08	1.30E-08	1.50E-08	1.36E-08	6.18E-09	2.86E-09	0.00E+00	0.00E+00	2.38E-09	5.08E-10	3.22E-09	4.97E-10	2.21E-10	6.83E-09
3528	485363.09	3849877.25	1.90E-05	2.19E-05	1.02E-05	6.58E-09	1.99E-08	1.15E-08	1.33E-08	1.20E-08	5.49E-09	2.55E-09	0.00E+00	0.00E+00	2.12E-09	4.50E-10	2.86E-09	4.40E-10	1.98E-10	6.06E-09
3529	485863.09	3849877.25	1.50E-05	1.72E-05	8.09E-06	5.18E-09	1.56E-08	9.05E-09	1.04E-08	9.45E-09	4.31E-09	2.02E-09	0.00E+00	0.00E+00	1.67E-09	3.54E-10	2.24E-09	3.46E-10	1.57E-10	4.77E-09
3530	486363.09	3849877.25	1.34E-05	1.54E-05	7.23E-06	4.63E-09	1.40E-08	8.09E-09	9.31E-09	8.44E-09	3.85E-09	1.81E-09	0.00E+00	0.00E+00	1.49E-09	3.16E-10	2.00E-09	3.09E-10	1.40E-10	4.26E-09
3531	486863.09	3849877.25	1.45E-05	1.67E-05	7.80E-06	5.02E-09	1.51E-08	8.77E-09	1.01E-08	9.16E-09	4.18E-09	1.95E-09	0.00E+00	0.00E+00	1.61E-09	3.43E-10	2.18E-09	3.36E-10	1.51E-10	4.62E-09
3532	487363.09	3849877.25	1.37E-05	1.58E-05	7.38E-06	4.75E-09	1.43E-08	8.30E-09	9.57E-09	8.67E-09	3.96E-09	1.85E-09	0.00E+00	0.00E+00	1.53E-09	3.25E-10	2.06E-09	3.18E-10	1.43E-10	4.37E-09
3533	487863.09	3849877.25	1.33E-05	1.53E-05	7.14E-06	4.60E-09	1.39E-08	8.03E-09	9.25E-09	8.39E-09	3.83E-09	1.79E-09	0.00E+00	0.00E+00	1.48E-09	3.14E-10	1.99E-09	3.07E-10	1.38E-10	4.23E-09
3534	488363.09	3849877.25	1.33E-05	1.54E-05	7.20E-06	4.62E-09	1.39E-08	8.07E-09	9.30E-09	8.43E-09	3.85E-09	1.80E-09	0.00E+00	0.00E+00	1.49E-09	3.16E-10	2.00E-09	3.09E-10	1.39E-10	4.25E-09
3535	488863.09	3849877.25	1.40E-05	1.61E-05	7.57E-06	4.85E-09	1.47E-08	8.48E-09	9.77E-09	8.85E-09	4.04E-09	1.89E-09	0.00E+00	0.00E+00	1.56E-09	3.32E-10	2.10E-09	3.24E-10	1.47E-10	4.47E-09
3536	489363.09	3849877.25	1.44E-05	1.66E-05	7.80E-06	4.99E-09	1.51E-08	8.73E-09	1.00E-08	9.11E-09	4.16E-09	1.95E-09	0.00E+00	0.00E+00	1.61E-09	3.41E-10	2.16E-09	3.34E-10	1.51E-10	4.59E-09
3537	489863.09	3849877.25	1.44E-05	1.66E-05	7.79E-06	4.98E-09	1.50E-08	8.71E-09	1.00E-08	9.09E-09	4.15E-09	1.95E-09	0.00E+00	0.00E+00	1.60E-09	3.40E-10	2.16E-09	3.33E-10	1.51E-10	4.59E-09
3538	490363.09	3849877.25	1.43E-05	1.64E-05	7.71E-06	4.93E-09	1.49E-08	8.62E-09	9.93E-09	9.00E-09	4.11E-09	1.93E-09	0.00E+00	0.00E+00	1.59E-09	3.37E-10	2.14E-09	3.30E-10	1.49E-10	4.54E-09
3539	490863.09	3849877.25	1.46E-05	1.68E-05	7.92E-06	5.07E-09	1.53E-08	8.85E-09	1.02E-08	9.24E-09	4.22E-09	1.98E-09	0.00E+00	0.00E+00	1.63E-09	3.46E-10	2.20E-09	3.39E-10	1.53E-10	4.66E-09
3540	491363.09	3849877.25	1.49E-05	1.71E-05	8.03E-06	5.14E-09	1.55E-08	8.99E-09	1.03E-08	9.38E-09	4.28E-09	2.01E-09	0.00E+00	0.00E+00	1.65E-09	3.51E-10	2.23E-09	3.44E-10	1.56E-10	4.73E-09
3541	491863.09	3849877.25	1.45E-05	1.67E-05	7.84E-06	5.02E-09	1.52E-08	8.77E-09	1.01E-08	9.15E-09	4.18E-09	1.96E-09	0.00E+00	0.00E+00	1.61E-09	3.43E-10	2.18E-09	3.35E-10	1.52E-10	4.62E-09
3542	492363.09	3849877.25	1.47E-05	1.69E-05	7.95E-06	5.09E-09	1.54E-08	8.90E-09	1.03E-08	9.29E-09	4.24E-09	1.99E-09	0.00E+00	0.00E+00	1.64E-09	3.48E-10	2.21E-09	3.40E-10	1.54E-10	4.69E-09
3543	492863.09	3849877.25	1.45E-05	1.66E-05	7.81E-06	5.00E-09	1.51E-08	8.75E-09	1.01E-08	9.13E-09	4.17E-09	1.96E-09	0.00E+00	0.00E+00	1.61E-09	3.42E-10	2.17E-09	3.35E-10	1.51E-10	4.61E-09
3544	493363.09	3849877.25	1.42E-05	1.63E-05	7.68E-06	4.92E-09	1.48E-08	8.59E-09	9.89E-09	8.97E-09	4.09E-09	1.92E-09	0.00E+00	0.00E+00	1.58E-09	3.36E-10	2.13E-09	3.29E-10	1.49E-10	4.52E-09
3545	493863.09	3849877.25	1.47E-05	1.69E-05	7.93E-06	5.08E-09	1.53E-08	8.87E-09	1.02E-08	9.26E-09	4.22E-09	1.99E-09	0.00E+00	0.00E+00	1.63E-09	3.47E-10	2.20E-09	3.39E-10	1.54E-10	4.67E-09
3546	494363.09	3849877.25	1.83E-05	2.11E-05	9.85E-06	6.33E-09	1.91E-08	1.11E-08	1.27E-08	1.15E-08	5.27E-09	2.46E-09	0.00E+00	0.00E+00	2.03E-09	4.32E-10	2.74E-09	4.23E-10	1.91E-10	5.82E-09
3547	494863.09	3849877.25	2.14E-05	2.47E-05	1.15E-05	7.42E-09	2.24E-08	1.30E-08	1.49E-08	1.35E-08	6.18E-09	2.88E-09	0.00E+00	0.00E+00	2.39E-09	5.07E-10	3.22E-09	4.96E-10	2.23E-10	6.83E-09
3548	495363.09	3849877.25	2.04E-05	2.34E-05	1.10E-05	7.04E-09	2.13E-08	1.23E-08	1.42E-08	1.29E-08	5.87E-09	2.75E-09	0.00E+00	0.00E+00	2.27E-09	4.81E-10	3.05E-09	4.71E-10	2.13E-10	6.49E-09
3549	495863.09	3849877.25	2.42E-05	2.79E-05	1.30E-05	8.37E-09	2.53E-08	1.46E-08	1.69E-08	1.53E-08	6.97E-09	3.25E-09	0.00E+00	0.00E+00	2.69E-09	5.72E-10	3.63E-09	5.60E-10	2.52E-10	7.71E-09
3550	496363.09	3849877.25	2.67E-05	3.07E-05	1.43E-05	9.23E-09	2.79E-08	1.61E-08	1.86E-08	1.69E-08	7.69E-09	3.58E-09	0.00E+00	0.00E+00	2.97E-09	6.31E-10	4.00E-09	6.17E-10	2.77E-10	8.50E-09
3551	496863.09	3849877.25	2.88E-05	3.32E-05	1.54E-05	9.96E-09	3.01E-08	1.74E-08	2.01E-08	1.82E-08	8.30E-09	3.86E-09	0.00E+00	0.00E+00	3.20E-09	6.81E-10	4.32E-09	6.67E-10	2.99E-10	9.17E-09
3552	497363.09	3849877.25	3.51E-05	4.05E-05	1.87E-05	1.21E-08	3.66E-08	2.12E-08	2.45E-08	2.22E-08	1.01E-08	4.68E-09	0.00E+00	0.00E+00	3.90E-09	8.31E-10	5.27E-09	8.13E-10	3.62E-10	1.12E-08
3553	497863.09	3849877.25	3.85E-05	4.44E-05	2.05E-05	1.33E-08	4.02E-08	2.33E-08	2.69E-08	2.43E-08	1.11E-08	5.13E-09	0.00E+00	0.00E+00	4.28E-09	9.12E-10	5.78E-09	8.92E-10	3.97E-10	1.23E-08
3554	498363.09	3849877.25	3.83E-05	4.42E-05	2.04E-05	1.33E-08	4.00E-08	2.32E-08	2.67E-08	2.42E-08	1.11E-08	5.11E-09	0.00E+00	0.00E+00	4.26E-09	9.08E-10	5.76E-09	8.88E-10	3.95E-10	1.22E-08
3555	471363.09	3850377.25	1.89E-05	2.18E-05	1.00E-05	6.54E-09	1.97E-08	1.14E-08	1.32E-08	1.20E-08	5.46E-09	2.50E-09	0.00E+00	0.00E+00	2.10E-09	4.48E-10	2.84E-09	4.38E-10	1.94E-10	6.03E-09
3556	471863.09	3850377.25	2.26E-05	2.61E-05	1.19E-05	7.81E-09	2.36E-08	1.37E-08	1.58E-08	1.43E-08	6.53E-09	2.98E-09	0.00E+00	0.00E+00	2.51E-09	5.36E-10	3.40E-09	5.24E-10	2.31E-10	7.20E-09
3557	472363.09	3850377.25	2.45E-05	2.83E-05	1.29E-05	8.47E-09	2.56E-08	1.48E-08	1.71E-08	1.55E-08	7.08E-09	3.23E-09	0.00E+00	0.00E+00	2.72E-09	5.81E-10	3.69E-09	5.69E-10	2.50E-10	7.81E-09
3558	472863.09	3850377.25	2.74E-05	3.17E-05	1.44E-05	9.50E-09	2.87E-08	1.66E-08	1.92E-08	1.74E-08	7.94E-09	3.62E-09	0.00E+00	0.00E+00	3.06E-09	6.52E-10	4.14E-09	6.38E-10	2.80E-10	8.76E-09
3559	473363.09	3850377.25	2.91E-05	3.36E-05	1.53E-05	1.01E-08	3.04E-08	1.76E-08	2.04E-08	1.85E-08	8.42E-09	3.83E-09	0.00E+00	0.00E+00	3.24E-09	6.91E-10	4.38E-09	6.76E-10	2.97E-10	9.29E-09
3560	473863.09	3850377.25	3.14E-05	3.63E-05	1.65E-05	1.09E-08	3.28E-08	1.90E-08	2.20E-08	1.99E-08	9.09E-09	4.13E-09	0.00E+00	0.00E+00	3.50E-09	7.46E-10	4.73E-09	7.30E-10	3.20E-10	1.00E-08
3561	474363.09	3850377.25	3.45E-05	3.99E-05	1.81E-05	1.19E-08	3.60E-08	2.09E-08	2.41E-08	2.19E-08	9.98E-09	4.53E-09	0.00E+00	0.00E+00	3.84E-09	8.19E-10	5.20E-09	8.01E-10	3.51E-10	1.10E-08
3562	474863.09	3850377.25	3.81E-05	4.41E-05	2.00E-05	1.32E-08	3.98E-08	2.30E-08	2.67E-08	2.42E-08	1.10E-08	5.00E-09	0.00E+00	0.00E+00	4.24E-09	9.05E-10	5.74E-09	8.86E-10	3.87E-10	1.22E-08
3563	475363.09	3850377.25	4.14E-05	4.79E-05	2.17E-05	1.43E-08	4.32E-08	2.50E-08	2.90E-08	2.63E-08	1.20E-08	5.43E-09	0.00E+00	0.00E+00	4.61E-09	9.83E-10	6.24E-09	9.62E-10	4.20E-10	1.32E-08

3564	475863.09	3850377.25	4.34E-05	5.03E-05	2.28E-05	1.50E-08	4.54E-08	2.63E-08	3.04E-08	2.76E-08	1.26E-08	5.70E-09	0.00E+00	0.00E+00	4.84E-09	1.03E-09	6.55E-09	1.01E-09	4.41E-10	1.39E-08
3565	476363.09	3850377.25	4.43E-05	5.13E-05	2.32E-05	1.53E-08	4.63E-08	2.68E-08	3.10E-08	2.81E-08	1.28E-08	5.81E-09	0.00E+00	0.00E+00	4.93E-09	1.05E-09	6.68E-09	1.03E-09	4.50E-10	1.41E-08
3566	476863.09	3850377.25	4.46E-05	5.16E-05	2.34E-05	1.54E-08	4.66E-08	2.70E-08	3.12E-08	2.83E-08	1.29E-08	5.85E-09	0.00E+00	0.00E+00	4.97E-09	1.06E-09	6.73E-09	1.04E-09	4.53E-10	1.42E-08
3567	477363.09	3850377.25	4.48E-05	5.18E-05	2.35E-05	1.55E-08	4.68E-08	2.71E-08	3.13E-08	2.84E-08	1.30E-08	5.87E-09	0.00E+00	0.00E+00	4.98E-09	1.06E-09	6.75E-09	1.04E-09	4.55E-10	1.43E-08
3568	477863.09	3850377.25	4.46E-05	5.16E-05	2.34E-05	1.54E-08	4.66E-08	2.70E-08	3.12E-08	2.83E-08	1.29E-08	5.85E-09	0.00E+00	0.00E+00	4.97E-09	1.06E-09	6.73E-09	1.04E-09	4.53E-10	1.42E-08
3569	478363.09	3850377.25	4.32E-05	4.99E-05	2.26E-05	1.49E-08	4.51E-08	2.61E-08	3.02E-08	2.74E-08	1.25E-08	5.66E-09	0.00E+00	0.00E+00	4.80E-09	1.03E-09	6.51E-09	1.00E-09	4.39E-10	1.38E-08
3570	478863.09	3850377.25	4.20E-05	4.86E-05	2.20E-05	1.45E-08	4.39E-08	2.54E-08	2.94E-08	2.66E-08	1.22E-08	5.51E-09	0.00E+00	0.00E+00	4.67E-09	9.97E-10	6.33E-09	9.76E-10	4.27E-10	1.34E-08
3571	479363.09	3850377.25	4.89E-05	5.66E-05	2.56E-05	1.69E-08	5.11E-08	2.96E-08	3.42E-08	3.10E-08	1.42E-08	6.41E-09	0.00E+00	0.00E+00	5.44E-09	1.16E-09	7.37E-09	1.14E-09	4.97E-10	1.56E-08
3572	479863.09	3850377.25	6.59E-05	7.63E-05	3.45E-05	2.28E-08	6.89E-08	3.99E-08	4.61E-08	4.18E-08	1.91E-08	8.62E-09	0.00E+00	0.00E+00	7.34E-09	1.57E-09	9.94E-09	1.53E-09	6.68E-10	2.10E-08
3573	480363.09	3850377.25	7.17E-05	8.30E-05	3.75E-05	2.48E-08	7.49E-08	4.34E-08	5.02E-08	4.55E-08	2.08E-08	9.38E-09	0.00E+00	0.00E+00	7.98E-09	1.70E-09	1.08E-08	1.67E-09	7.26E-10	2.29E-08
3574	480863.09	3850377.25	6.20E-05	7.18E-05	3.25E-05	2.15E-08	6.48E-08	3.75E-08	4.34E-08	3.94E-08	1.80E-08	8.13E-09	0.00E+00	0.00E+00	6.90E-09	1.47E-09	9.35E-09	1.44E-09	6.29E-10	1.98E-08
3575	481363.09	3850377.25	3.94E-05	4.55E-05	2.07E-05	1.36E-08	4.11E-08	2.38E-08	2.75E-08	2.50E-08	1.14E-08	5.19E-09	0.00E+00	0.00E+00	4.38E-09	9.35E-10	5.93E-09	9.15E-10	4.02E-10	1.26E-08
3576	481863.09	3850377.25	3.63E-05	4.20E-05	1.92E-05	1.26E-08	3.80E-08	2.20E-08	2.54E-08	2.30E-08	1.05E-08	4.80E-09	0.00E+00	0.00E+00	4.05E-09	8.63E-10	5.47E-09	8.44E-10	3.72E-10	1.16E-08
3577	482363.09	3850377.25	3.22E-05	3.73E-05	1.70E-05	1.12E-08	3.37E-08	1.95E-08	2.25E-08	2.04E-08	9.33E-09	4.26E-09	0.00E+00	0.00E+00	3.59E-09	7.65E-10	4.86E-09	7.49E-10	3.30E-10	1.03E-08
3578	482863.09	3850377.25	2.12E-05	2.45E-05	1.13E-05	7.33E-09	2.21E-08	1.28E-08	1.48E-08	1.34E-08	6.12E-09	2.82E-09	0.00E+00	0.00E+00	2.36E-09	5.02E-10	3.19E-09	4.91E-10	2.18E-10	6.76E-09
3579	483363.09	3850377.25	1.66E-05	1.91E-05	8.85E-06	5.74E-09	1.73E-08	1.00E-08	1.16E-08	1.05E-08	4.78E-09	2.21E-09	0.00E+00	0.00E+00	1.84E-09	3.93E-10	2.49E-09	3.84E-10	1.71E-10	5.28E-09
3580	483863.09	3850377.25	1.77E-05	2.04E-05	9.43E-06	6.11E-09	1.85E-08	1.07E-08	1.23E-08	1.12E-08	5.10E-09	2.36E-09	0.00E+00	0.00E+00	1.97E-09	4.18E-10	2.66E-09	4.09E-10	1.83E-10	5.63E-09
3581	484363.09	3850377.25	2.20E-05	2.54E-05	1.17E-05	7.61E-09	2.30E-08	1.33E-08	1.54E-08	1.39E-08	6.35E-09	2.93E-09	0.00E+00	0.00E+00	2.45E-09	5.21E-10	3.31E-09	5.10E-10	2.27E-10	7.01E-09
3582	484863.09	3850377.25	2.60E-05	3.01E-05	1.38E-05	9.01E-09	2.72E-08	1.58E-08	1.82E-08	1.65E-08	7.52E-09	3.46E-09	0.00E+00	0.00E+00	2.90E-09	6.17E-10	3.92E-09	6.04E-10	2.68E-10	8.30E-09
3583	485363.09	3850377.25	2.42E-05	2.79E-05	1.29E-05	8.38E-09	2.53E-08	1.46E-08	1.69E-08	1.53E-08	6.99E-09	3.23E-09	0.00E+00	0.00E+00	2.69E-09	5.74E-10	3.64E-09	5.61E-10	2.50E-10	7.72E-09
3584	485863.09	3850377.25	2.04E-05	2.35E-05	1.10E-05	7.07E-09	2.13E-08	1.24E-08	1.42E-08	1.29E-08	5.89E-09	2.75E-09	0.00E+00	0.00E+00	2.27E-09	4.83E-10	3.07E-09	4.73E-10	2.13E-10	6.51E-09
3585	486363.09	3850377.25	1.91E-05	2.20E-05	1.03E-05	6.60E-09	1.99E-08	1.15E-08	1.33E-08	1.21E-08	5.50E-09	2.57E-09	0.00E+00	0.00E+00	2.12E-09	4.51E-10	2.86E-09	4.42E-10	1.99E-10	6.08E-09
3586	486863.09	3850377.25	1.83E-05	2.11E-05	9.85E-06	6.35E-09	1.92E-08	1.11E-08	1.28E-08	1.16E-08	5.29E-09	2.46E-09	0.00E+00	0.00E+00	2.04E-09	4.34E-10	2.76E-09	4.25E-10	1.91E-10	5.85E-09
3587	487363.09	3850377.25	1.67E-05	1.93E-05	8.97E-06	5.79E-09	1.75E-08	1.01E-08	1.17E-08	1.06E-08	4.82E-09	2.24E-09	0.00E+00	0.00E+00	1.86E-09	3.96E-10	2.51E-09	3.87E-10	1.74E-10	5.33E-09
3588	487863.09	3850377.25	1.63E-05	1.88E-05	8.76E-06	5.66E-09	1.71E-08	9.89E-09	1.14E-08	1.03E-08	4.71E-09	2.19E-09	0.00E+00	0.00E+00	1.82E-09	3.87E-10	2.45E-09	3.79E-10	1.70E-10	5.21E-09
3589	488363.09	3850377.25	1.67E-05	1.93E-05	8.99E-06	5.80E-09	1.75E-08	1.01E-08	1.17E-08	1.06E-08	4.83E-09	2.25E-09	0.00E+00	0.00E+00	1.86E-09	3.96E-10	2.51E-09	3.88E-10	1.74E-10	5.34E-09
3590	488863.09	3850377.25	1.76E-05	2.02E-05	9.44E-06	6.08E-09	1.84E-08	1.06E-08	1.23E-08	1.11E-08	5.07E-09	2.36E-09	0.00E+00	0.00E+00	1.96E-09	4.16E-10	2.64E-09	4.07E-10	1.83E-10	5.60E-09
3591	489363.09	3850377.25	1.77E-05	2.04E-05	9.54E-06	6.13E-09	1.85E-08	1.07E-08	1.24E-08	1.12E-08	5.11E-09	2.39E-09	0.00E+00	0.00E+00	1.97E-09	4.19E-10	2.66E-09	4.10E-10	1.85E-10	5.65E-09
3592	489863.09	3850377.25	1.77E-05	2.03E-05	9.52E-06	6.11E-09	1.85E-08	1.07E-08	1.23E-08	1.12E-08	5.09E-09	2.38E-09	0.00E+00	0.00E+00	1.97E-09	4.18E-10	2.65E-09	4.09E-10	1.84E-10	5.63E-09
3593	490363.09	3850377.25	1.80E-05	2.07E-05	9.70E-06	6.23E-09	1.88E-08	1.09E-08	1.25E-08	1.14E-08	5.19E-09	2.43E-09	0.00E+00	0.00E+00	2.00E-09	4.26E-10	2.70E-09	4.17E-10	1.88E-10	5.74E-09
3594	490863.09	3850377.25	1.82E-05	2.09E-05	9.79E-06	6.29E-09	1.90E-08	1.10E-08	1.27E-08	1.15E-08	5.24E-09	2.45E-09	0.00E+00	0.00E+00	2.02E-09	4.30E-10	2.73E-09	4.20E-10	1.90E-10	5.79E-09
3595	491363.09	3850377.25	1.86E-05	2.15E-05	1.00E-05	6.45E-09	1.95E-08	1.13E-08	1.30E-08	1.18E-08	5.37E-09	2.51E-09	0.00E+00	0.00E+00	2.07E-09	4.41E-10	2.80E-09	4.31E-10	1.94E-10	5.94E-09
3596	491863.09	3850377.25	1.85E-05	2.14E-05	9.97E-06	6.42E-09	1.94E-08	1.12E-08	1.29E-08	1.17E-08	5.35E-09	2.50E-09	0.00E+00	0.00E+00	2.06E-09	4.39E-10	2.78E-09	4.29E-10	1.93E-10	5.91E-09
3597	492363.09	3850377.25	1.83E-05	2.11E-05	9.87E-06	6.35E-09	1.92E-08	1.11E-08	1.28E-08	1.16E-08	5.29E-09	2.47E-09	0.00E+00	0.00E+00	2.04E-09	4.34E-10	2.76E-09	4.25E-10	1.91E-10	5.85E-09
3598	492863.09	3850377.25	1.88E-05	2.16E-05	1.01E-05	6.50E-09	1.96E-08	1.14E-08	1.31E-08	1.19E-08	5.41E-09	2.53E-09	0.00E+00	0.00E+00	2.09E-09	4.44E-10	2.82E-09	4.35E-10	1.96E-10	5.98E-09
3599	493363.09	3850377.25	1.90E-05	2.19E-05	1.02E-05	6.57E-09	1.98E-08	1.15E-08	1.32E-08	1.20E-08	5.47E-09	2.56E-09	0.00E+00	0.00E+00	2.11E-09	4.49E-10	2.85E-09	4.39E-10	1.98E-10	6.05E-09
3600	493863.09	3850377.25	2.16E-05	2.49E-05	1.16E-05	7.48E-09	2.26E-08	1.31E-08	1.51E-08	1.37E-08	6.23E-09	2.90E-09	0.00E+00	0.00E+00	2.40E-09	5.11E-10	3.24E-09	5.00E-10	2.25E-10	6.89E-09
3601	494363.09	3850377.25	2.41E-05	2.78E-05	1.29E-05	8.34E-09	2.52E-08	1.46E-08	1.68E-08	1.52E-08	6.95E-09	3.24E-09	0.00E+00	0.00E+00	2.68E-09	5.70E-10	3.62E-09	5.58E-10	2.51E-10	7.68E-09
3602	494863.09	3850377.25	2.80E-05	3.23E-05	1.50E-05	9.69E-09	2.93E-08	1.69E-08	1.95E-08	1.77E-08	8.08E-09	3.75E-09	0.00E+00	0.00E+00	3.12E-09	6.63E-10	4.21E-09	6.49E-10	2.91E-10	8.93E-09
3603	495363.09	3850377.25	3.29E-05	3.80E-05	1.76E-05	1.14E-08	3.44E-08	1.99E-08	2.30E-08	2.08E-08	9.51E-09	4.40E-09	0.00E+00	0.00E+00	3.67E-09	7.80E-10	4.95E-09	7.63E-10	3.41E-10	1.05E-08
3604	495863.09	3850377.25	3.31E-05	3.81E-05	1.77E-05	1.14E-08	3.46E-08	2.00E-08	2.31E-08	2.09E-08	9.55E-09	4.43E-09	0.00E+00	0.00E+00	3.68E-09	7.83E-10	4.97E-09	7.66E-10	3.43E-10	1.05E-08
3605	496363.09	3850377.25	3.82E-05	4.41E-05	2.04E-05	1.32E-08	4.00E-08	2.31E-08	2.67E-08	2.42E-08	1.10E-08	5.10E-09	0.00E+00	0.00E+00	4.25E-09	9.06E-10	5.75E-09	8.86E-10	3.95E-10	1.22E-08
3606	496863.09	3850377.25	4.33E-05	5.00E-05	2.30E-05	1.50E-08	4.53E-08	2.62E-08	3.03E-08	2.74E-08	1.25E-08	5.77E-09	0.00E+00	0.00E+00	4.82E-09	1.03E-09	6.52E-09	1.00E-09	4.46E-10	1.38E-08
3607	497363.09	3850377.25	4.62E-05	5.33E-05	2.45E-05	1.60E-08	4.83E-08	2.80E-08	3.23E-08	2.93E-08	1.33E-08	6.14E-09	0.00E+00	0.00E+00	5.14E-09	1.10E-09	6.95E-09	1.07E-09	4.76E-10	1.47E-08
3608	497863.09	3850377.25	4.68E-05	5.41E-05	2.49E-05	1.62E-08	4.89E-08	2.83E-08	3.27E-08	2.96E-08	1.35E-08	6.23E-09	0.00E+00	0.00E+00	5.21E-09	1.11E-09	7.04E-09	1.09E-09	4.82E-10	1.49E-08
3609	498363.09	3850377.25	4.71E-05	5.44E-05	2.51E-05	1.63E-08	4.93E-08	2.85E-08	3.29E-08	2.98E-08	1.36E-08	6.27E-09	0.00E+00	0.00E+00	5.25E-09	1.12E-09	7.09E-09	1.09E-09	4.86E-10	1.50E-08
3610	471363.09	3850877.25	2.49E-05	2.87E-05	1.31E-05	8.61E-09	2.60E-08	1.50E-08	1.74E-08	1.58E-08	7.19E-09	3.29E-09	0.00E+00	0.00E+00	2.77E-09	5.90E-10	3.74E-09	5.77E-10	2.55E-10	7.93E-09
3611	471863.09	3850877.25	2.62E-05	3.02E-05	1.38E-05	9.05E-09	2.73E-08	1.58E-08	1.83E-08	1.66E-08	7.56E-09	3.45E-09	0.00E+00	0.00E+00	2.91E-09	6.21E-10	3.94E-09	6.07E-10	2.67E-10	8.35E-09
3612	472363.09	3850877.25	2.78E-05	3.21E-05	1.47E-05	9.63E-09	2.91E-08	1.68E-08	1.94E-08	1.76E-08	8.04E-09	3.67E-09	0.00E+00	0.00E+00	3.10E-09	6.60E-10	4.19E-09	6.46E-10	2.84E-10	8.87E-09
3613	472863.09	3850877.25	2.90E-05	3.36E-05	1.53E-05	1.01E-08	3.04E-08	1.76E-08	2.03E-08	1.84E-08	8.40E-09	3.83E-09	0.00E+00	0.00E+00	3.23E-09	6.90E-10	4.38E-09	6.75E-10	2.97E-10	9.27E-09
3614	473363.09	3850877.25	2.86E-05	3.30E-05	1.50E-05	9.88E-09	2.98E-08	1.73E-08	2.00E-08	1.81E-08	8.26E-09	3.76E-09	0.00E+00	0.00E+00	3.18E-09	6.78E-10	4.30E-09	6.63E-10	2.91E-10	9.11E-09
3615	473863.09	3850877.25	3.10E-05	3.59E-05	1.63E-05	1.07E-08	3.24E-08	1.88E-08	2.17E-08	1.97E-08	8.97E-09	4.08E-09	0.00E+00	0.00E+00	3.45E-09	7.36E-10	4.67E-09	7.20E-10	3.16E-10	9.90E-09
3616	474363.09	3850877.25	3.37E-05	3.90E-05	1.77E-05	1.17E-08	3.52E-08	2.04E-08	2.36E-08	2.14E-08	9.75E-09	4.43E-09	0.00E+00	0.00E+00	3.75E-09	8.00E-10	5.08E-09	7.83E-10	3.43E-10	1.08E-08
3617	474863.09	3850877.25	3.64E-05	4.21E-05	1.91E-05	1.26E-08	3.81E-08	2.20E-08	2.55E-08	2.31E-08	1.05E-08	4.78E-09	0.00E+00	0.00E+00	4.05E-09	8.65E-10	5.49E-09	8.46E-10	3.70E-10	1.16E-08
3618	475363.09	3850877.25	4.00E-05	4.63E-05	2.10E-05	1.39E-08	4.18E-08	2.42E-08	2.80E-08	2.54E-08	1.16E-08	5.26E-09	0.00E+00	0.00E+00	4.46E-09	9.51E-10	6.03E-09	9.30E-10	4.07E-10	1.28E-08
3619	475863.09	3850877.25	4.42E-05	5.12E-05	2.32E-05	1.53E-08	4.62E-08	2.68E-08	3.10E-08	2.81E-08	1.28E-08	5.80E-09	0.00E+00	0.00E+00	4.92E-09	1.05E-09	6.67E-09	1.03E-09	4.49E-10	1.41E-08
3620	476363.09	3850877.25	4.76E-05	5.51E-05	2.50E-05	1.65E-08	4.98E-08	2.88E-08	3.33E-08	3.02E-08	1.38E-08	6.25E-09	0.00E+00	0.00E+00	5.30E-09	1.13E-09	7.18E-09	1.11E-09	4.84E-10	1.52E-08
3621	476863.09	3850877.25	5.02E-05	5.81E-05	2.63E-05	1.74E-08	5.25E-08	3.04E-08	3.51E-08	3.19E-08	1.45E-08	6.58E-09	0.00E+00	0.00E+00	5.59E-09	1.19E-09	7.57E-09	1.17E-09	5.10E-10	1.60E-08
3622	477363.09	3850877.25	5.15E-05	5.96E-05	2.70E-05	1.78E-08	5.38E-08	3.12E-08	3.60E-08	3.27E-08	1.49E-08	6.75E-09	0.00E+00	0.00E+00	5.73E-09	1.22E-09	7.76E-09	1.20E-09	5.23E-10	1.64E-08
3623	477863.09	3850877.25	5.19E-05	6.00E-05	2.72E-05	1.79E-08	5.42E-08	3.14E-08	3.63E-08	3.29E-08	1.50E-08	6.80E-09	0.00E+00	0.00E+00	5.77E-09	1.23E-09	7.82E-09	1.21E-09	5.26E-10	1.66E-08
3624	478363.09	3850877.25	5.19E-05	6.00E-05	2.72E-05	1.80E-08	5.42E-08	3.14E-08	3.63E-08	3.29E-08	1.50E-08	6.80E-09	0.00E+00	0.00E+00	5.77E-09	1.23E-09	7.82E-09	1.21E-09	5.26E-10	1.66E-08
3625	478863.09	3850877.25	5.11E-05	5.91E-05	2.67E-05	1.77E-08	5.34E-08	3.09E-08	3.57E-08	3.24E-08	1.48E-08	6.69E-09	0.00E+00	0.00E+00	5.68E-09	1.21E-09	7.70E-09	1.19E-09	5.18E-10	1.63E-08
3626	479363.09	3850877.25	4.98E-05	5.77E-05	2.61E-05	1.73E-08	5.21E-08	3.02E-08	3.49E-08	3.16E-08	1.44E-08	6.54E-09	0.00E+00	0.00E+00	5.55E-09	1.18E-09	7.52E-09	1.16E-09	5.06E-10	1.59E-08
3627	479863.09	3850877.25	5.63E-05	6.52E-05	2.95E-05	1.95E-08	5.89E-08	3.41E-08	3.94E-08	3.57E-08	1.63E-08	7.38E-09	0.00E+00	0.00E+00	6.27E-09	1.34E-09	8.49E-09	1.31E-09	5.72E-10	1.80E-08
3628	480363.09	3850877.25	7.46E-05	8.63E-05	3.90E-05	2.58E-08	7.79E-08	4.51E-08	5.22E-08	4.73E-08	2.16E-08	9.75E-09	0.00E+00	0.00E+00	8.30E-09	1.77E-09	1.12E-08	1.73E-09	7.55E-10	2.38E-08
3629	480863.09	3850877.25	8.50E-05	9.83E-05	4.44E-05	2.94E-08	8.88E-08	5.14E-08	5.95E-08	5.39E-08	2.46E-08	1.11E-08	0.00E+00	0.00E+00	9.46E-09	2.02E-09	1.28E-08	1.98E-09	8.60E-10	2.71E-08
3630	481363.09	3850877.25	7.19E-05	8.32E-05	3.76E-05	2.49E-08	7.52E-08	4.35E-08	5.03E-08	4.56E-08	2.08E-08	9.41E-09	0.00E+00	0.00E+00	8.00E-09	1.71E-09	1.08E-08	1.67E-09	7.29E-10	2.30E-08
3631	481863.09	3850877.25	5.83E-05	6.75E-05	3.06E-05	2.02E-08	6.10E-08	3.53E-08	4.08E-08	3.70E-08	1.69E-08	7.66E-09	0.00E+00	0.00E+00	6.49E-09	1.39E-09	8.79E-09	1.36E-09	5.93E-10	1.86E-08
3632	482363.09	3850877.25	4.67E-05	5.40E-05	2.46E-05	1.62E-08	4.88E-08	2.83E-08	3.27E-08	2.96E-08	1.35E-08	6.16E-09	0.00E+00	0.00E+00	5.20E-09	1.11E-09	7.04E-09	1.09E-09	4.77E-10	1.49E-08
3633	482863.09	3850877.25	3.70E-05	4.27E-05	1.95E-05	1.28E-08	3.86E-08	2.24E-08	2.58E-08	2.34E-08	1.07E-08	4.88E-09	0.00E+00	0.00E+00	4.11E-09	8.77E-10	5.57E-09	8.58E-10	3.78E-10	1.18E-08
3634	483363.09	3850877.25	2.73E-05	3.15E-05	1.45E-05	9.45E-09	2.85E-08	1.65E-08	1.91E-08	1.73E-08	7.89E-09	3.62E-09	0.00E+00	0.00E+00	3.04E-09	6.47E-10	4.11E-09	6.33E-10	2.80E-10	8.70E-09
3635	483863.09	3850877.25	2.54E-05	2.93E-05	1.35E-05	8.79E-09	2.65E-08	1.54E-08	1.77E-08	1.61E-08	7.34E-09	3.37E-09	0.00E+00	0.00E+00	2.83E-09	6.02E-10	3.82E-09	5.89E-10	2.61E-10	8.10E-09
3636	484363.09	3850877.25	3.05E-05	3.52E-05	1.62E-05	1.06E-08	3.19E-08	1.85E-08	2.13E-08	1.93E-08	8.82E-09	4.05E-09	0.00E+00	0.00E+00	3.40E-09	7.24E-10	4.59E-09	7.08E-10	3.13E-10	9.73E-09
3637	484863.09	3850877.25	3.07E-05	3.54E-05	1.63E-05	1.06E-08	3.21E-08	1.86E-08	2.14E-08	1.94E-08	8.87E-09	4.07E-09	0.00E+00	0.00E+00	3.41E-09	7.28E-10	4.62E-09	7.12E-10	3.15E-10	9.79E-09
3638	485363.09	3850877.25	2.98E-05	3.43E-05	1.58E-05	1.03E-08	3.11E-08	1.80E-08	2.08E-08	1.88E-08	8.60E-09	3.96E-09	0.00E+00	0.00E+00	3.31E-09	7.05E-10	4.48E-09	6.90E-10	3.07E-10	9.49E-09
3639	485863.09	3850877.25	2.46E-05	2.84E-05	1.32E-05	8.52E-09	2.57E-08	1.49E-08	1.72E-08	1.56E-08	7.10E-09	3.30E-09	0.00E+00	0.00E+00	2.74E-09	5.83E-10	3.70E-09	5.70E-10	2.55E-10	7.84E-09
3640	486363.09	3850877.25	2.40E-05	2.77E-05	1.29E-05	8.32E-09	2.51E-08	1.45E-08	1.68E-08	1.52E-08	6.93E-09	3.22E-09	0.00E+00	0.00E+00	2.68E-09	5.69E-10	3.61E-09	5.57E-10	2.50E-10	7.66E-09
3641	486863.09	3850877.25	2.28E-05	2.62E-05	1.22E-05	7.88E-09	2.38E-08	1.38E-08	1.59E-08	1.44E-08	6.57E-09	3.05E-09	0.00E+00	0.00E+00	2.53E-09	5.39E-10	3.42E-09	5.27E-10	2.36E-10	7.26E-09
3642	487363.09	3850877.25	2.04E-05	2.35E-05	1.09E-05	7.06E-09	2.13E-08	1.23E-08	1.42E-08	1.29E-08	5.89E-09	2.73E-09	0.00E+00	0.00E+00	2.27E-09	4.83E-10	3.07E-09	4.73E-10	2.11E-10	6.50E-09
3643	487863.09	3850877.25	2.03E-05	2.34E-05	1.08E-05	7.03E-09	2.12E-08	1.23E-08	1.42E-08	1.28E-08	5.86E-09	2.71E-09	0.00E+00	0.00E+00	2.26E-09	4.81E-10	3.05E-09	4.70E-10	2.10E-10	6.47E-09
3644	488363.09	3850877.25	2.16E-05	2.49E-05	1.16E-05	7.49E-09	2.26E-08	1.31E-08	1.51E-08	1.37E-08	6.24E-09	2.89E-09	0.00E+00	0.00E+00	2.41E-09	5.12E-10	3.25E-09	5.01E-10	2.24E-10	6.89E-09
3645	488863.09	3850877.25	2.19E-05	2.53E-05	1.18E-05	7.60E-09	2.29E-08	1.33E-08	1.53E-08	1.39E-08	6.33E-09	2.94E-09	0.00E+00	0.00E+00	2.44E-09	5.20E-10	3.30E-09	5.09E-10	2.28E-10	7.00E-09
3646	489363.09	3850877.25	2.23E-05	2.57E-05	1.20E-05	7.73E-09	2.33E-08	1.35E-08	1.56E-08	1.41E-08	6.44E-09	3.00E-09	0.00E+00	0.00E+00	2.49E-09	5.29E-10	3.35E-09	5.17E-10	2.32E-10	7.12E-09
3647	489863.09	3850877.25	2.27E-05	2.62E-05	1.22E-05	7.86E-09	2.37E-08	1.37E-08	1.58E-08	1.44E-08	6.55E-09	3.05E-09	0.00E+00	0.00E+00	2.53E-09	5.37E-10	3.41E-09	5.26E-10	2.36E-10	7.24E-09
3648	490363.09	3850877.25	2.33E-05	2.69E-05	1.25E-05	8.07E-09	2.44E-08	1.41E-08	1.63E-08	1.47E-08	6.73E-09	3.13E-09	0.00E+00	0.00E+00	2.60E-09	5.52E-10	3.50E-09	5.40E-10	2.42E-10	7.43E-09
3649	490863.09	3850877.25	2.43E-05	2.80E-05	1.30E-05	8.40E-09	2.54E-08	1.47E-08	1.69E-08	1.54E-08	7.01E-09	3.26E-09	0.00E+00	0.00E+00	2.70E-09	5.75E-10	3.65E-09	5.63E-10	2.52E-10	7.74E-09
3650	491363.09	3850877.25	2.48E-05	2.86E-05	1.33E-05	8.59E-09	2.59E-08	1.50E-08	1.73E-08	1.57E-08	7.16E-09	3.32E-09	0.00E+00	0.00E+00	2.76E-09	5.88E-10	3.73E-09	5.75E-10	2.57E-10	7.91E-09
3651	491863.09	3850877.25	2.53E-05	2.92E-05	1.35E-05	8.75E-09	2.64E-08	1.53E-08	1.76E-08	1.60E-08	7.30E-09	3.38E-09	0.00E+00	0.00E+00	2.81E-09	5.99E-10	3.80E-09	5.86E-10	2.62E-10	8.06E-09
3652	492363.09	3850877.25	2.55E-05	2.94E-05	1.36E-05	8.83E-09	2.67E-08	1.54E-08	1.78E-08	1.61E-08	7.36E-09	3.41E-09	0.00E+00	0.00E+00	2.84E-09	6.04E-10	3.83E-09	5.91E-10	2.64E-10	8.13E-09
3653	492863.09	3850877.25	2.64E-05	3.05E-05	1.41E-05	9.14E-09	2.76E-08	1.60E-08	1.84E-08	1.67E-08	7.62E-09	3.53E-09	0.00E+00	0.00E+00	2.94E-09	6.26E-10	3.97E-09	6.12E-10	2.74E-10	8.42E-09
3654	493363.09	3850877.25	2.81E-05	3.24E-05	1.50E-05	9.72E-09	2.94E-08	1.70E-08	1.96E-08	1.78E-08	8.11E-09	3.76E-09	0.00E+00	0.00E+00	3.13E-09	6.65E-10	4.22E-09	6.51E-10	2.91E-10	8.95E-09
3655	493863.09	3850877.25	3.22E-05	3.71E-05	1.72E-05	1.11E-08	3.36E-08	1.95E-08	2.25E-08	2.04E-08	9.29E-09	4.30E-09	0.00E+00	0.00E+00	3.58E-09	7.62E-10	4.84E-09	7.46E-10	3.33E-10	1.03E-08
3656	494363.09	3850877.25	3.51E-05	4.05E-05	1.88E-05	1.22E-08	3.67E-08	2.13E-08	2.45E-08	2.22E-08	1.01E-08	4.69E-09	0.00E+00	0.00E+00	3.91E-09	8.33E-10	5.28E-09	8.15E-10	3.63E-10	1.12E-08
3657	494863.09	3850877.25	4.03E-05	4.65E-05	2.14E-05	1.39E-08	4.21E-08	2.44E-08	2.81E-08	2.55E-08	1.16E-08	5.37E-09	0.00E+00	0.00E+00	4.48E-09	9.54E-10	6.05E-09	9.34E-10	4.16E-10	1.28E-08
3658	495363.09	3850877.25	4.59E-05	5.30E-05	2.44E-05	1.59E-08	4.80E-08	2.78E-08	3.21E-08	2.91E-08	1.33E-08	6.11E-09	0.00E+00	0.00E+00	5.11E-09	1.09E-09	6.91E-09	1.07E-09	4.73E-10	1.46E-08
3659	495863.09	3850877.25	4.82E-05	5.57E-05	2.56E-05	1.67E-08	5.04E-08	2.92E-08	3.37E-08	3.05E-08	1.39E-08	6.41E-09	0.00E+00	0.00E+00	5.37E-09	1.14E-09	7.25E-09	1.12E-09	4.97E-10	1.54E-08
3660	496363.09	3850877.25	5.17E-05	5.97E-05	2.75E-05	1.79E-08	5.41E-08	3.13E-08	3.61E-08	3.28E-08	1.49E-08	6.87E-09	0.00E+00	0.00E+00	5.76E-09	1.23E-09	7.78E-09	1.20E-09	5.32E-10	1.65E-08
3661	496863.09	3850877.25	5.69E-05	6.57E-05	3.01E-05	1.97E-08	5.94E-08	3.44E-08	3.97E-08	3.60E-08	1.64E-08	7.54E-09	0.00E+00	0.00E+00	6.33E-09	1.35E-09	8.56E-09	1.32E-09	5.84E-10	1.81E-08
3662	497363.09	3850877.25	5.80E-05	6.69E-05	3.07E-05	2.01E-08	6.06E-08	3.51E-08	4.05E-08	3.67E-08	1.68E-08	7.69E-09	0.00E+00	0.00E+00	6.45E-09	1.37E-09	8.72E-09	1.35E-09	5.95E-10	1.85E-08
3663	497863.09	3850877.25	5.76E-05	6.66E-05	3.06E-05	2.00E-08	6.02E-08	3.49E-08	4.03E-08	3.65E-08	1.67E-08	7.65E-09	0.00E+00	0.00E+00	6.42E-09	1.37E-09	8.67E-09	1.34E-09	5.93E-10	1.84E-08
3664	498363.09	3850877.25	5.71E-05	6.59E-05	3.03E-05	1.98E-08	5.96E-08	3.45E-08	3.99E-08	3.61E-08	1.65E-08	7.58E-09	0.00E+00	0.00E+00	6.35E-09	1.35E-09	8.59E-09	1.32E-09	5.87E-10	1.82E-08
3665	471363.09	3851377.25	2.78E-05	3.21E-05	1.47E-05	9.63E-09	2.91E-08	1.68E-08	1.95E-08	1.76E-08	8.05E-09	3.68E-09	0.00E+00	0.00E+00	3.10E-09	6.60E-10	4.19E-09	6.46E-10	2.85E-10	8.88E-09
3666	471863.09	3851377.25	3.28E-05	3.79E-05	1.73E-05	1.14E-08	3.43E-08	1.98E-08	2.29E-08	2.08E-08	9.49E-09	4.33E-09	0.00E+00	0.00E+00	3.65E-09	7.79E-10	4.94E-09	7.62E-10	3.35E-10	1.05E-08
3667	472363.09	3851377.25	3.32E-05	3.84E-05	1.75E-05	1.15E-08	3.47E-08	2.01E-08	2.32E-08	2.10E-08	9.60E-09	4.38E-09	0.00E+00	0.00E+00	3.70E-09	7.88E-10	5.00E-09	7.71E-10	3.39E-10	1.06E-08
3668	472863.09	3851377.25	3.30E-05	3.82E-05	1.74E-05	1.14E-08	3.45E-08	2.00E-08	2.31E-08	2.09E-08	9.56E-09	4.36E-09	0.00E+00	0.00E+00	3.68E-09	7.84E-10	4.98E-09	7.68E-10	3.37E-10	1.05E-08

3669	473363.09	3851377.25	3.03E-05	3.50E-05	1.60E-05	1.05E-08	3.16E-08	1.83E-08	2.12E-08	1.92E-08	8.75E-09	3.99E-09	0.00E+00	0.00E+00	3.37E-09	7.18E-10	4.56E-09	7.03E-10	3.09E-10	9.66E-09
3670	473863.09	3851377.25	3.07E-05	3.55E-05	1.62E-05	1.06E-08	3.21E-08	1.86E-08	2.15E-08	1.95E-08	8.89E-09	4.05E-09	0.00E+00	0.00E+00	3.42E-09	7.29E-10	4.63E-09	7.14E-10	3.14E-10	9.81E-09
3671	474363.09	3851377.25	3.39E-05	3.92E-05	1.78E-05	1.17E-08	3.54E-08	2.05E-08	2.37E-08	2.15E-08	9.80E-09	4.46E-09	0.00E+00	0.00E+00	3.77E-09	8.05E-10	5.11E-09	7.87E-10	3.45E-10	1.08E-08
3672	474863.09	3851377.25	3.64E-05	4.21E-05	1.92E-05	1.26E-08	3.81E-08	2.21E-08	2.55E-08	2.31E-08	1.05E-08	4.79E-09	0.00E+00	0.00E+00	4.06E-09	8.66E-10	5.49E-09	8.47E-10	3.71E-10	1.16E-08
3673	475363.09	3851377.25	3.91E-05	4.52E-05	2.05E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.48E-08	1.13E-08	5.13E-09	0.00E+00	0.00E+00	4.35E-09	9.28E-10	5.89E-09	9.08E-10	3.97E-10	1.25E-08
3674	475863.09	3851377.25	4.24E-05	4.90E-05	2.22E-05	1.47E-08	4.43E-08	2.56E-08	2.97E-08	2.69E-08	1.23E-08	5.56E-09	0.00E+00	0.00E+00	4.72E-09	1.01E-09	6.39E-09	9.85E-10	4.31E-10	1.35E-08
3675	476363.09	3851377.25	4.70E-05	5.43E-05	2.46E-05	1.63E-08	4.91E-08	2.84E-08	3.29E-08	2.98E-08	1.36E-08	6.16E-09	0.00E+00	0.00E+00	5.23E-09	1.12E-09	7.08E-09	1.09E-09	4.77E-10	1.50E-08
3676	476863.09	3851377.25	5.22E-05	6.04E-05	2.74E-05	1.81E-08	5.46E-08	3.16E-08	3.65E-08	3.31E-08	1.51E-08	6.85E-09	0.00E+00	0.00E+00	5.81E-09	1.24E-09	7.87E-09	1.21E-09	5.30E-10	1.67E-08
3677	477363.09	3851377.25	5.65E-05	6.53E-05	2.96E-05	1.96E-08	5.90E-08	3.42E-08	3.95E-08	3.58E-08	1.64E-08	7.40E-09	0.00E+00	0.00E+00	6.29E-09	1.34E-09	8.52E-09	1.31E-09	5.73E-10	1.80E-08
3678	477863.09	3851377.25	5.95E-05	6.89E-05	3.12E-05	2.06E-08	6.22E-08	3.60E-08	4.17E-08	3.78E-08	1.72E-08	7.80E-09	0.00E+00	0.00E+00	6.63E-09	1.41E-09	8.98E-09	1.38E-09	6.04E-10	1.90E-08
3679	478363.09	3851377.25	6.09E-05	7.04E-05	3.19E-05	2.11E-08	6.36E-08	3.68E-08	4.26E-08	3.86E-08	1.76E-08	7.97E-09	0.00E+00	0.00E+00	6.77E-09	1.45E-09	9.18E-09	1.42E-09	6.17E-10	1.94E-08
3680	478863.09	3851377.25	6.11E-05	7.07E-05	3.20E-05	2.11E-08	6.38E-08	3.70E-08	4.28E-08	3.88E-08	1.77E-08	8.00E-09	0.00E+00	0.00E+00	6.80E-09	1.45E-09	9.21E-09	1.42E-09	6.20E-10	1.95E-08
3681	479363.09	3851377.25	6.06E-05	7.01E-05	3.17E-05	2.10E-08	6.33E-08	3.67E-08	4.24E-08	3.84E-08	1.75E-08	7.94E-09	0.00E+00	0.00E+00	6.74E-09	1.44E-09	9.13E-09	1.41E-09	6.14E-10	1.93E-08
3682	479863.09	3851377.25	5.88E-05	6.81E-05	3.08E-05	2.04E-08	6.15E-08	3.56E-08	4.12E-08	3.73E-08	1.70E-08	7.71E-09	0.00E+00	0.00E+00	6.55E-09	1.40E-09	8.87E-09	1.37E-09	5.97E-10	1.88E-08
3683	480363.09	3851377.25	6.47E-05	7.48E-05	3.38E-05	2.24E-08	6.76E-08	3.91E-08	4.53E-08	4.10E-08	1.87E-08	8.47E-09	0.00E+00	0.00E+00	7.20E-09	1.54E-09	9.75E-09	1.50E-09	6.56E-10	2.06E-08
3684	480863.09	3851377.25	8.69E-05	1.01E-04	4.54E-05	3.01E-08	9.09E-08	5.26E-08	6.09E-08	5.52E-08	2.52E-08	1.14E-08	0.00E+00	0.00E+00	9.68E-09	2.07E-09	1.31E-08	2.02E-09	8.80E-10	2.78E-08
3685	481363.09	3851377.25	9.78E-05	1.13E-04	5.11E-05	3.39E-08	1.02E-07	5.92E-08	6.85E-08	6.21E-08	2.83E-08	1.28E-08	0.00E+00	0.00E+00	1.09E-08	2.33E-09	1.48E-08	2.28E-09	9.90E-10	3.12E-08
3686	481863.09	3851377.25	8.31E-05	9.62E-05	4.35E-05	2.88E-08	8.69E-08	5.03E-08	5.82E-08	5.28E-08	2.41E-08	1.09E-08	0.00E+00	0.00E+00	9.25E-09	1.98E-09	1.25E-08	1.93E-09	8.43E-10	2.65E-08
3687	482363.09	3851377.25	7.10E-05	8.21E-05	3.72E-05	2.46E-08	7.42E-08	4.29E-08	4.97E-08	4.50E-08	2.05E-08	9.31E-09	0.00E+00	0.00E+00	7.90E-09	1.69E-09	1.07E-08	1.65E-09	7.21E-10	2.27E-08
3688	482863.09	3851377.25	5.86E-05	6.78E-05	3.08E-05	2.03E-08	6.13E-08	3.55E-08	4.10E-08	3.72E-08	1.70E-08	7.71E-09	0.00E+00	0.00E+00	6.53E-09	1.39E-09	8.84E-09	1.36E-09	5.97E-10	1.87E-08
3689	483363.09	3851377.25	4.03E-05	4.66E-05	2.13E-05	1.40E-08	4.22E-08	2.44E-08	2.82E-08	2.56E-08	1.17E-08	5.32E-09	0.00E+00	0.00E+00	4.49E-09	9.58E-10	6.08E-09	9.37E-10	4.12E-10	1.29E-08
3690	483863.09	3851377.25	3.43E-05	3.96E-05	1.81E-05	1.19E-08	3.59E-08	2.08E-08	2.40E-08	2.17E-08	9.92E-09	4.54E-09	0.00E+00	0.00E+00	3.82E-09	8.14E-10	5.16E-09	7.96E-10	3.51E-10	1.09E-08
3691	484363.09	3851377.25	4.33E-05	5.01E-05	2.29E-05	1.50E-08	4.53E-08	2.62E-08	3.03E-08	2.75E-08	1.25E-08	5.73E-09	0.00E+00	0.00E+00	4.82E-09	1.03E-09	6.53E-09	1.01E-09	4.44E-10	1.38E-08
3692	484863.09	3851377.25	3.15E-05	3.64E-05	1.67E-05	1.09E-08	3.30E-08	1.91E-08	2.20E-08	2.00E-08	9.12E-09	4.19E-09	0.00E+00	0.00E+00	3.51E-09	7.48E-10	4.75E-09	7.32E-10	3.24E-10	1.01E-08
3693	485363.09	3851377.25	3.90E-05	4.51E-05	2.06E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.47E-08	1.13E-08	5.17E-09	0.00E+00	0.00E+00	4.34E-09	9.26E-10	5.87E-09	9.06E-10	4.00E-10	1.24E-08
3694	485863.09	3851377.25	3.11E-05	3.59E-05	1.66E-05	1.08E-08	3.25E-08	1.88E-08	2.17E-08	1.97E-08	8.98E-09	4.15E-09	0.00E+00	0.00E+00	3.46E-09	7.37E-10	4.68E-09	7.21E-10	3.21E-10	9.92E-09
3695	486363.09	3851377.25	3.09E-05	3.57E-05	1.65E-05	1.07E-08	3.23E-08	1.87E-08	2.16E-08	1.96E-08	8.93E-09	4.14E-09	0.00E+00	0.00E+00	3.44E-09	7.33E-10	4.65E-09	7.17E-10	3.20E-10	9.86E-09
3696	486863.09	3851377.25	2.85E-05	3.29E-05	1.53E-05	9.87E-09	2.98E-08	1.73E-08	1.99E-08	1.80E-08	8.23E-09	3.82E-09	0.00E+00	0.00E+00	3.18E-09	6.76E-10	4.29E-09	6.61E-10	2.96E-10	9.09E-09
3697	487363.09	3851377.25	2.33E-05	2.69E-05	1.25E-05	8.07E-09	2.44E-08	1.41E-08	1.63E-08	1.47E-08	6.73E-09	3.12E-09	0.00E+00	0.00E+00	2.59E-09	5.52E-10	3.50E-09	5.40E-10	2.41E-10	7.43E-09
3698	487863.09	3851377.25	2.63E-05	3.03E-05	1.40E-05	9.10E-09	2.75E-08	1.59E-08	1.84E-08	1.66E-08	7.59E-09	3.50E-09	0.00E+00	0.00E+00	2.93E-09	6.23E-10	3.95E-09	6.10E-10	2.71E-10	8.39E-09
3699	488363.09	3851377.25	2.82E-05	3.25E-05	1.50E-05	9.76E-09	2.95E-08	1.71E-08	1.97E-08	1.78E-08	8.14E-09	3.76E-09	0.00E+00	0.00E+00	3.14E-09	6.68E-10	4.24E-09	6.54E-10	2.91E-10	8.99E-09
3700	488863.09	3851377.25	2.84E-05	3.27E-05	1.51E-05	9.82E-09	2.97E-08	1.72E-08	1.98E-08	1.80E-08	8.19E-09	3.79E-09	0.00E+00	0.00E+00	3.16E-09	6.72E-10	4.27E-09	6.58E-10	2.93E-10	9.05E-09
3701	489363.09	3851377.25	2.89E-05	3.33E-05	1.54E-05	1.00E-08	3.02E-08	1.75E-08	2.02E-08	1.83E-08	8.34E-09	3.86E-09	0.00E+00	0.00E+00	3.22E-09	6.85E-10	4.34E-09	6.70E-10	2.99E-10	9.21E-09
3702	489863.09	3851377.25	2.97E-05	3.43E-05	1.59E-05	1.03E-08	3.11E-08	1.80E-08	2.07E-08	1.88E-08	8.58E-09	3.97E-09	0.00E+00	0.00E+00	3.31E-09	7.04E-10	4.47E-09	6.89E-10	3.08E-10	9.48E-09
3703	490363.09	3851377.25	3.12E-05	3.60E-05	1.67E-05	1.08E-08	3.26E-08	1.89E-08	2.18E-08	1.98E-08	9.01E-09	4.17E-09	0.00E+00	0.00E+00	3.48E-09	7.40E-10	4.69E-09	7.24E-10	3.23E-10	9.96E-09
3704	490863.09	3851377.25	3.32E-05	3.84E-05	1.77E-05	1.15E-08	3.47E-08	2.01E-08	2.32E-08	2.10E-08	9.60E-09	4.43E-09	0.00E+00	0.00E+00	3.70E-09	7.88E-10	5.00E-09	7.71E-10	3.43E-10	1.06E-08
3705	491363.09	3851377.25	3.42E-05	3.95E-05	1.82E-05	1.18E-08	3.57E-08	2.07E-08	2.39E-08	2.17E-08	9.88E-09	4.55E-09	0.00E+00	0.00E+00	3.81E-09	8.11E-10	5.14E-09	7.93E-10	3.53E-10	1.09E-08
3706	491863.09	3851377.25	3.50E-05	4.05E-05	1.86E-05	1.21E-08	3.66E-08	2.12E-08	2.45E-08	2.22E-08	1.01E-08	4.66E-09	0.00E+00	0.00E+00	3.90E-09	8.31E-10	5.27E-09	8.13E-10	3.61E-10	1.12E-08
3707	492363.09	3851377.25	3.67E-05	4.24E-05	1.95E-05	1.27E-08	3.83E-08	2.22E-08	2.56E-08	2.32E-08	1.06E-08	4.88E-09	0.00E+00	0.00E+00	4.08E-09	8.70E-10	5.52E-09	8.51E-10	3.78E-10	1.17E-08
3708	492863.09	3851377.25	3.79E-05	4.37E-05	2.01E-05	1.31E-08	3.96E-08	2.29E-08	2.65E-08	2.40E-08	1.09E-08	5.04E-09	0.00E+00	0.00E+00	4.22E-09	8.98E-10	5.70E-09	8.79E-10	3.90E-10	1.21E-08
3709	493363.09	3851377.25	3.62E-05	4.17E-05	1.93E-05	1.25E-08	3.78E-08	2.19E-08	2.53E-08	2.29E-08	1.04E-08	4.83E-09	0.00E+00	0.00E+00	4.03E-09	8.57E-10	5.44E-09	8.39E-10	3.74E-10	1.15E-08
3710	493863.09	3851377.25	4.12E-05	4.75E-05	2.19E-05	1.42E-08	4.30E-08	2.49E-08	2.87E-08	2.60E-08	1.19E-08	5.48E-09	0.00E+00	0.00E+00	4.58E-09	9.75E-10	6.19E-09	9.54E-10	4.25E-10	1.31E-08
3711	494363.09	3851377.25	5.05E-05	5.83E-05	2.68E-05	1.75E-08	5.28E-08	3.05E-08	3.53E-08	3.20E-08	1.46E-08	6.71E-09	0.00E+00	0.00E+00	5.62E-09	1.20E-09	7.59E-09	1.17E-09	5.19E-10	1.61E-08
3712	494863.09	3851377.25	5.41E-05	6.25E-05	2.87E-05	1.87E-08	5.66E-08	3.28E-08	3.78E-08	3.43E-08	1.56E-08	7.19E-09	0.00E+00	0.00E+00	6.03E-09	1.28E-09	8.15E-09	1.26E-09	5.57E-10	1.73E-08
3713	495363.09	3851377.25	6.39E-05	7.39E-05	3.39E-05	2.21E-08	6.68E-08	3.87E-08	4.47E-08	4.05E-08	1.85E-08	8.48E-09	0.00E+00	0.00E+00	7.12E-09	1.52E-09	9.62E-09	1.48E-09	6.57E-10	2.04E-08
3714	495863.09	3851377.25	6.85E-05	7.91E-05	3.62E-05	2.37E-08	7.16E-08	4.14E-08	4.79E-08	4.34E-08	1.98E-08	9.07E-09	0.00E+00	0.00E+00	7.62E-09	1.62E-09	1.03E-08	1.59E-09	7.02E-10	2.18E-08
3715	496363.09	3851377.25	7.10E-05	8.20E-05	3.75E-05	2.46E-08	7.42E-08	4.29E-08	4.96E-08	4.50E-08	2.05E-08	9.39E-09	0.00E+00	0.00E+00	7.90E-09	1.68E-09	1.07E-08	1.65E-09	7.27E-10	2.26E-08
3716	496863.09	3851377.25	7.20E-05	8.32E-05	3.81E-05	2.49E-08	7.53E-08	4.36E-08	5.03E-08	4.56E-08	2.08E-08	9.53E-09	0.00E+00	0.00E+00	8.02E-09	1.71E-09	1.08E-08	1.67E-09	7.38E-10	2.30E-08
3717	497363.09	3851377.25	7.25E-05	8.37E-05	3.83E-05	2.51E-08	7.57E-08	4.38E-08	5.06E-08	4.59E-08	2.09E-08	9.60E-09	0.00E+00	0.00E+00	8.07E-09	1.72E-09	1.09E-08	1.68E-09	7.43E-10	2.31E-08
3718	497863.09	3851377.25	7.18E-05	8.29E-05	3.80E-05	2.49E-08	7.50E-08	4.34E-08	5.02E-08	4.55E-08	2.08E-08	9.52E-09	0.00E+00	0.00E+00	7.99E-09	1.70E-09	1.08E-08	1.67E-09	7.37E-10	2.29E-08
3719	498363.09	3851377.25	6.84E-05	7.90E-05	3.63E-05	2.37E-08	7.15E-08	4.14E-08	4.78E-08	4.33E-08	1.98E-08	9.08E-09	0.00E+00	0.00E+00	7.62E-09	1.62E-09	1.03E-08	1.59E-09	7.03E-10	2.18E-08
3720	471363.09	3851877.25	2.90E-05	3.35E-05	1.53E-05	1.00E-08	3.03E-08	1.75E-08	2.02E-08	1.84E-08	8.38E-09	3.83E-09	0.00E+00	0.00E+00	3.22E-09	6.87E-10	4.36E-09	6.73E-10	2.97E-10	9.24E-09
3721	471863.09	3851877.25	2.92E-05	3.37E-05	1.54E-05	1.01E-08	3.05E-08	1.76E-08	2.04E-08	1.85E-08	8.43E-09	3.86E-09	0.00E+00	0.00E+00	3.25E-09	6.92E-10	4.39E-09	6.77E-10	2.99E-10	9.30E-09
3722	472363.09	3851877.25	3.29E-05	3.80E-05	1.74E-05	1.14E-08	3.44E-08	1.99E-08	2.30E-08	2.08E-08	9.51E-09	4.34E-09	0.00E+00	0.00E+00	3.66E-09	7.80E-10	4.95E-09	7.64E-10	3.36E-10	1.05E-08
3723	472863.09	3851877.25	3.62E-05	4.18E-05	1.91E-05	1.25E-08	3.78E-08	2.19E-08	2.53E-08	2.29E-08	1.05E-08	4.77E-09	0.00E+00	0.00E+00	4.03E-09	8.59E-10	5.45E-09	8.41E-10	3.70E-10	1.16E-08
3724	473363.09	3851877.25	3.53E-05	4.08E-05	1.86E-05	1.22E-08	3.69E-08	2.14E-08	2.47E-08	2.24E-08	1.02E-08	4.66E-09	0.00E+00	0.00E+00	3.93E-09	8.38E-10	5.32E-09	8.20E-10	3.60E-10	1.13E-08
3725	473863.09	3851877.25	3.59E-05	4.15E-05	1.89E-05	1.24E-08	3.75E-08	2.17E-08	2.51E-08	2.28E-08	1.04E-08	4.73E-09	0.00E+00	0.00E+00	4.00E-09	8.52E-10	5.41E-09	8.34E-10	3.67E-10	1.15E-08
3726	474363.09	3851877.25	3.91E-05	4.52E-05	2.06E-05	1.35E-08	4.09E-08	2.37E-08	2.74E-08	2.48E-08	1.13E-08	5.15E-09	0.00E+00	0.00E+00	4.35E-09	9.29E-10	5.89E-09	9.09E-10	3.99E-10	1.25E-08
3727	474863.09	3851877.25	4.13E-05	4.77E-05	2.17E-05	1.43E-08	4.31E-08	2.50E-08	2.89E-08	2.62E-08	1.19E-08	5.43E-09	0.00E+00	0.00E+00	4.59E-09	9.80E-10	6.22E-09	9.59E-10	4.20E-10	1.32E-08
3728	475363.09	3851877.25	4.22E-05	4.88E-05	2.22E-05	1.46E-08	4.41E-08	2.55E-08	2.95E-08	2.68E-08	1.22E-08	5.55E-09	0.00E+00	0.00E+00	4.70E-09	1.00E-09	6.36E-09	9.81E-10	4.30E-10	1.35E-08
3729	475863.09	3851877.25	4.33E-05	5.01E-05	2.27E-05	1.50E-08	4.52E-08	2.62E-08	3.03E-08	2.75E-08	1.25E-08	5.69E-09	0.00E+00	0.00E+00	4.82E-09	1.03E-09	6.52E-09	1.01E-09	4.40E-10	1.38E-08
3730	476363.09	3851877.25	4.43E-05	5.12E-05	2.32E-05	1.53E-08	4.63E-08	2.68E-08	3.10E-08	2.81E-08	1.28E-08	5.82E-09	0.00E+00	0.00E+00	4.93E-09	1.05E-09	6.67E-09	1.03E-09	4.50E-10	1.41E-08
3731	476863.09	3851877.25	4.89E-05	5.66E-05	2.56E-05	1.69E-08	5.11E-08	2.96E-08	3.42E-08	3.10E-08	1.42E-08	6.42E-09	0.00E+00	0.00E+00	5.44E-09	1.16E-09	7.37E-09	1.14E-09	4.97E-10	1.56E-08
3732	477363.09	3851877.25	5.55E-05	6.43E-05	2.91E-05	1.92E-08	5.81E-08	3.36E-08	3.89E-08	3.52E-08	1.61E-08	7.28E-09	0.00E+00	0.00E+00	6.18E-09	1.32E-09	8.37E-09	1.29E-09	5.64E-10	1.77E-08
3733	477863.09	3851877.25	6.27E-05	7.25E-05	3.28E-05	2.17E-08	6.55E-08	3.79E-08	4.39E-08	3.98E-08	1.82E-08	8.21E-09	0.00E+00	0.00E+00	6.98E-09	1.49E-09	9.45E-09	1.46E-09	6.36E-10	2.00E-08
3734	478363.09	3851877.25	6.86E-05	7.94E-05	3.59E-05	2.38E-08	7.17E-08	4.15E-08	4.80E-08	4.35E-08	1.99E-08	8.98E-09	0.00E+00	0.00E+00	7.64E-09	1.63E-09	1.03E-08	1.60E-09	6.96E-10	2.19E-08
3735	478863.09	3851877.25	7.21E-05	8.35E-05	3.77E-05	2.50E-08	7.54E-08	4.37E-08	5.05E-08	4.58E-08	2.09E-08	9.44E-09	0.00E+00	0.00E+00	8.03E-09	1.71E-09	1.09E-08	1.68E-09	7.31E-10	2.30E-08
3736	479363.09	3851877.25	7.34E-05	8.49E-05	3.84E-05	2.54E-08	7.67E-08	4.44E-08	5.14E-08	4.66E-08	2.12E-08	9.60E-09	0.00E+00	0.00E+00	8.17E-09	1.74E-09	1.11E-08	1.71E-09	7.44E-10	2.34E-08
3737	479863.09	3851877.25	7.31E-05	8.46E-05	3.82E-05	2.53E-08	7.64E-08	4.42E-08	5.12E-08	4.64E-08	2.12E-08	9.57E-09	0.00E+00	0.00E+00	8.13E-09	1.74E-09	1.10E-08	1.70E-09	7.41E-10	2.33E-08
3738	480363.09	3851877.25	7.13E-05	8.25E-05	3.73E-05	2.47E-08	7.45E-08	4.31E-08	4.99E-08	4.52E-08	2.06E-08	9.34E-09	0.00E+00	0.00E+00	7.94E-09	1.69E-09	1.08E-08	1.66E-09	7.23E-10	2.28E-08
3739	480863.09	3851877.25	7.58E-05	8.77E-05	3.96E-05	2.62E-08	7.92E-08	4.59E-08	5.31E-08	4.81E-08	2.19E-08	9.92E-09	0.00E+00	0.00E+00	8.44E-09	1.80E-09	1.14E-08	1.76E-09	7.68E-10	2.42E-08
3740	481363.09	3851877.25	1.03E-04	1.19E-04	5.36E-05	3.56E-08	1.07E-07	6.22E-08	7.19E-08	6.52E-08	2.98E-08	1.34E-08	0.00E+00	0.00E+00	1.14E-08	2.44E-09	1.55E-08	2.39E-09	1.04E-09	3.28E-08
3741	481863.09	3851877.25	1.17E-04	1.35E-04	6.09E-05	4.04E-08	1.22E-07	7.06E-08	8.17E-08	7.40E-08	3.38E-08	1.52E-08	0.00E+00	0.00E+00	1.30E-08	2.77E-09	1.76E-08	2.71E-09	1.18E-09	3.72E-08
3742	482363.09	3851877.25	9.14E-05	1.06E-04	4.78E-05	3.16E-08	9.55E-08	5.53E-08	6.40E-08	5.80E-08	2.65E-08	1.20E-08	0.00E+00	0.00E+00	1.02E-08	2.17E-09	1.38E-08	2.13E-09	9.27E-10	2.92E-08
3743	482863.09	3851877.25	6.41E-05	7.41E-05	3.37E-05	2.22E-08	6.70E-08	3.88E-08	4.48E-08	4.06E-08	1.85E-08	8.43E-09	0.00E+00	0.00E+00	7.13E-09	1.52E-09	9.66E-09	1.49E-09	6.53E-10	2.05E-08
3744	483363.09	3851877.25	6.42E-05	7.43E-05	3.37E-05	2.22E-08	6.71E-08	3.89E-08	4.49E-08	4.07E-08	1.86E-08	8.45E-09	0.00E+00	0.00E+00	7.15E-09	1.53E-09	9.68E-09	1.49E-09	6.54E-10	2.05E-08
3745	483863.09	3851877.25	5.63E-05	6.51E-05	2.96E-05	1.95E-08	5.89E-08	3.41E-08	3.94E-08	3.57E-08	1.63E-08	7.41E-09	0.00E+00	0.00E+00	6.27E-09	1.34E-09	8.49E-09	1.31E-09	5.74E-10	1.80E-08
3746	484363.09	3851877.25	5.96E-05	6.89E-05	3.14E-05	2.06E-08	6.23E-08	3.61E-08	4.17E-08	3.78E-08	1.73E-08	7.86E-09	0.00E+00	0.00E+00	6.64E-09	1.42E-09	8.98E-09	1.39E-09	6.08E-10	1.90E-08
3747	484863.09	3851877.25	5.27E-05	6.09E-05	2.78E-05	1.82E-08	5.51E-08	3.19E-08	3.68E-08	3.34E-08	1.52E-08	6.95E-09	0.00E+00	0.00E+00	5.86E-09	1.25E-09	7.93E-09	1.22E-09	5.38E-10	1.68E-08
3748	485363.09	3851877.25	5.00E-05	5.77E-05	2.64E-05	1.73E-08	5.22E-08	3.02E-08	3.49E-08	3.17E-08	1.44E-08	6.60E-09	0.00E+00	0.00E+00	5.56E-09	1.19E-09	7.52E-09	1.16E-09	5.11E-10	1.59E-08
3749	485863.09	3851877.25	4.83E-05	5.58E-05	2.56E-05	1.67E-08	5.05E-08	2.92E-08	3.37E-08	3.06E-08	1.40E-08	6.40E-09	0.00E+00	0.00E+00	5.37E-09	1.15E-09	7.27E-09	1.12E-09	4.95E-10	1.54E-08
3750	486363.09	3851877.25	3.79E-05	4.38E-05	2.02E-05	1.31E-08	3.96E-08	2.30E-08	2.65E-08	2.40E-08	1.10E-08	5.06E-09	0.00E+00	0.00E+00	4.22E-09	8.99E-10	5.70E-09	8.80E-10	3.92E-10	1.21E-08
3751	486863.09	3851877.25	3.56E-05	4.10E-05	1.90E-05	1.23E-08	3.72E-08	2.15E-08	2.48E-08	2.25E-08	1.03E-08	4.75E-09	0.00E+00	0.00E+00	3.96E-09	8.42E-10	5.34E-09	8.24E-10	3.68E-10	1.13E-08
3752	487363.09	3851877.25	3.45E-05	3.98E-05	1.83E-05	1.19E-08	3.60E-08	2.09E-08	2.41E-08	2.18E-08	9.96E-09	4.59E-09	0.00E+00	0.00E+00	3.84E-09	8.18E-10	5.19E-09	8.00E-10	3.55E-10	1.10E-08
3753	487863.09	3851877.25	3.10E-05	3.58E-05	1.65E-05	1.07E-08	3.24E-08	1.88E-08	2.16E-08	1.96E-08	8.95E-09	4.13E-09	0.00E+00	0.00E+00	3.45E-09	7.35E-10	4.66E-09	7.19E-10	3.20E-10	9.88E-09
3754	488363.09	3851877.25	3.25E-05	3.75E-05	1.73E-05	1.13E-08	3.40E-08	1.97E-08	2.27E-08	2.06E-08	9.39E-09	4.33E-09	0.00E+00	0.00E+00	3.62E-09	7.71E-10	4.89E-09	7.54E-10	3.36E-10	1.04E-08
3755	488863.09	3851877.25	3.15E-05	3.64E-05	1.68E-05	1.09E-08	3.30E-08	1.91E-08	2.20E-08	2.00E-08	9.10E-09	4.21E-09	0.00E+00	0.00E+00	3.51E-09	7.47E-10	4.74E-09	7.31E-10	3.26E-10	1.01E-08
3756	489363.09	3851877.25	3.23E-05	3.72E-05	1.72E-05	1.12E-08	3.37E-08	1.95E-08	2.25E-08	2.04E-08	9.32E-09	4.31E-09	0.00E+00	0.00E+00	3.59E-09	7.64E-10	4.85E-09	7.48E-10	3.34E-10	1.03E-08
3757	489863.09	3851877.25	3.47E-05	4.00E-05	1.85E-05	1.20E-08	3.63E-08	2.10E-08	2.42E-08	2.20E-08	1.00E-08	4.63E-09	0.00E+00	0.00E+00	3.86E-09	8.22E-10	5.22E-09	8.05E-10	3.59E-10	1.11E-08
3758	490363.09	3851877.25	3.89E-05	4.49E-05	2.07E-05	1.35E-08	4.06E-08	2.35E-08	2.72E-08	2.46E-08	1.12E-08	5.18E-09	0.00E+00	0.00E+00	4.33E-09	9.22E-10	5.85E-09	9.02E-10	4.01E-10	1.24E-08
3759	490863.09	3851877.25	4.32E-05	4.99E-05	2.29E-05	1.50E-08	4.52E-08	2.62E-08	3.02E-08	2.74E-08	1.25E-08	5.74E-09	0.00E+00	0.00E+00	4.81E-09	1.03E-09	6.50E-09	1.00E-09	4.45E-10	1.38E-08
3760	491363.09	3851877.25	4.77E-05	5.51E-05	2.53E-05	1.65E-08	4.98E-08	2.89E-08	3.33E-08	3.02E-08	1.38E-08	6.32E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.18E-09	1.11E-09	4.90E-10	1.52E-08
3761	491863.09	3851877.25	5.18E-05	5.98E-05	2.74E-05	1.79E-08	5.41E-08	3.13E-08	3.62E-08	3.28E-08	1.50E-08	6.86E-09	0.00E+00	0.00E+00	5.76E-09	1.23E-09	7.80E-09	1.20E-09	5.31E-10	1.65E-08
3762	492363.09	3851877.25	5.34E-05	6.17E-05	2.83E-05	1.85E-08	5.58E-08	3.23E-08	3.73E-08	3.38E-08	1.54E-08	7.07E-09	0.00E+00	0.00E+00	5.95E-09	1.27E-09	8.04E-09	1.24E-09	5.48E-10	1.70E-08
3763	492863.09	3851877.25	4.90E-05	5.66E-05	2.60E-05	1.70E-08	5.13E-08	2.97E-08	3.43E-08	3.11E-08	1.42E-08	6.51E-09	0.00E+00	0.00E+00	5.46E-09	1.16E-09	7.38E-09	1.14E-09	5.04E-10	1.56E-08
3764	493363.09	3851877.25	6.08E-05	7.03E-05	3.22E-05	2.11E-08	6.36E-08	3.68E-08	4.25E-08	3.85E-08	1.76E-08	8.06E-09	0.00E+00	0.00E+00	6.77E-09	1.44E-09	9.16E-09	1.41E-09	6.24E-10	1.94E-08
3765	493863.09	3851877.25	7.43E-05	8.58E-05	3.93E-05	2.57E-08	7.76E-08	4.49E-08	5.19E-08	4.71E-08	2.15E-08	9.82E-09	0.00E+00	0.00E+00	8.27E-09	1.76E-09	1.12E-08	1.72E-09	7.61E-10	2.37E-08
3766	494363.09	3851877.25	7.42E-05	8.57E-05	3.93E-05	2.57E-08	7.76E-08	4.49E-08	5.19E-08	4.70E-08	2.15E-08	9.83E-09	0.00E+00	0.00E+00	8.26E-09	1.76E-09	1.12E-08	1.72E-09	7.61E-10	2.37E-08
3767	494863.09	3851877.25	8.35E-05	9.65E-05	4.41E-05	2.89E-08	8.73E-08	5.05E-08	5.84E-08	5.29E-08	2.42E-08	1.10E-08	0.00E+00	0.00E+00	9.30E-09	1.98E-09	1.26E-08	1.94E-09	8.55E-10	2.66E-08
3768	495363.09	3851877.25	8.93E-05	1.03E-04	4.71E-05	3.09E-08	9.33E-08	5.40E-08	6.24E-08	5.66E-08	2.58E-08	1.18E-08	0.00E+00	0.00E+00	9.94E-09	2.12E-09	1.34E-08	2.07E-09	9.13E-10	2.85E-08
3769	495863.09	3851877.25	9.30E-05	1.07E-04	4.90E-05	3.22E-08	9.72E-08	5.62E-08	6.50E-08	5.89E-08	2.69E-08	1.23E-08	0.00E+00	0.00E+00	1.03E-08	2.21E-09	1.40E-08	2.16E-09	9.50E-10	2.97E-08
3770	496363.09	3851877.25	9.26E-05	1.07E-04	4.89E-05	3.20E-08	9.68E-08	5.60E-08	6.47E-08	5.87E-08	2.68E-08	1.22E-08	0.00E+00	0.00E+00	1.03E-08	2.20E-09	1.39E-08	2.15E-09	9.47E-10	2.95E-08
3771	496863.09	3851877.25	9.14E-05	1.06E-04	4.83E-05	3.17E-08	9.56E-08	5.53E-08	6.39E-08	5.80E-08	2.64E-08	1.21E-08	0.00E+00	0.00E+00	1.02E-08	2.17E-09	1.38E-08	2.12E-09	9.36E-10	2.92E-08
3772	497363.09	3851877.25	8.96E-05	1.03E-04	4.73E-05	3.10E-08	9.36E-08	5.42E-08	6.26E-08	5.68E-08	2.59E-08	1.18E-08	0.00E+00	0.00E+00	9.97E-09	2.13E-09	1.35E-08	2.08E-09	9.17E-10	2.86E-08
3773	497863.09	3851877.25	8.42E-05	9.73E-05	4.46E-05	2.92E-08	8.81E-08	5.10E-08	5.89E-08	5.34E-08	2.44E-08	1.12E-08	0.00E+00	0.00E+00	9.38E-09	2.00E-09	1.27E-08	1.96E-09	8.64E-10	2.69E-08

3774	498363.09	3851877.25	7.91E-05	9.14E-05	4.19E-05	2.74E-08	8.27E-08	4.79E-08	5.53E-08	5.01E-08	2.29E-08	1.05E-08	0.00E+00	0.00E+00	8.81E-09	1.88E-09	1.19E-08	1.84E-09	8.13E-10	2.52E-08
3775	471363.09	3852377.25	2.65E-05	3.06E-05	1.40E-05	9.16E-09	2.77E-08	1.60E-08	1.85E-08	1.68E-08	7.65E-09	3.51E-09	0.00E+00	0.00E+00	2.95E-09	6.28E-10	3.98E-09	6.14E-10	2.72E-10	8.44E-09
3776	471863.09	3852377.25	3.00E-05	3.46E-05	1.58E-05	1.04E-08	3.13E-08	1.81E-08	2.10E-08	1.90E-08	8.67E-09	3.97E-09	0.00E+00	0.00E+00	3.34E-09	7.11E-10	4.51E-09	6.96E-10	3.07E-10	9.57E-09
3777	472363.09	3852377.25	3.27E-05	3.78E-05	1.73E-05	1.13E-08	3.42E-08	1.98E-08	2.29E-08	2.07E-08	9.46E-09	4.32E-09	0.00E+00	0.00E+00	3.64E-09	7.77E-10	4.93E-09	7.60E-10	3.35E-10	1.04E-08
3778	472863.09	3852377.25	3.52E-05	4.07E-05	1.86E-05	1.22E-08	3.68E-08	2.13E-08	2.46E-08	2.23E-08	1.02E-08	4.65E-09	0.00E+00	0.00E+00	3.92E-09	8.35E-10	5.30E-09	8.18E-10	3.60E-10	1.12E-08
3779	473363.09	3852377.25	3.72E-05	4.30E-05	1.96E-05	1.29E-08	3.89E-08	2.25E-08	2.60E-08	2.36E-08	1.08E-08	4.91E-09	0.00E+00	0.00E+00	4.14E-09	8.83E-10	5.60E-09	8.64E-10	3.80E-10	1.19E-08
3780	473863.09	3852377.25	3.87E-05	4.47E-05	2.04E-05	1.34E-08	4.05E-08	2.34E-08	2.71E-08	2.45E-08	1.12E-08	5.11E-09	0.00E+00	0.00E+00	4.31E-09	9.19E-10	5.83E-09	8.99E-10	3.95E-10	1.24E-08
3781	474363.09	3852377.25	4.06E-05	4.69E-05	2.14E-05	1.41E-08	4.24E-08	2.46E-08	2.84E-08	2.57E-08	1.17E-08	5.35E-09	0.00E+00	0.00E+00	4.52E-09	9.64E-10	6.12E-09	9.43E-10	4.15E-10	1.30E-08
3782	474863.09	3852377.25	4.84E-05	5.59E-05	2.54E-05	1.67E-08	5.06E-08	2.93E-08	3.38E-08	3.07E-08	1.40E-08	6.36E-09	0.00E+00	0.00E+00	5.38E-09	1.15E-09	7.29E-09	1.12E-09	4.93E-10	1.54E-08
3783	475363.09	3852377.25	4.95E-05	5.72E-05	2.60E-05	1.71E-08	5.17E-08	2.99E-08	3.46E-08	3.14E-08	1.43E-08	6.51E-09	0.00E+00	0.00E+00	5.51E-09	1.18E-09	7.46E-09	1.15E-09	5.04E-10	1.58E-08
3784	475863.09	3852377.25	4.95E-05	5.73E-05	2.60E-05	1.71E-08	5.18E-08	3.00E-08	3.46E-08	3.14E-08	1.43E-08	6.51E-09	0.00E+00	0.00E+00	5.51E-09	1.18E-09	7.46E-09	1.15E-09	5.04E-10	1.58E-08
3785	476363.09	3852377.25	4.84E-05	5.60E-05	2.54E-05	1.68E-08	5.06E-08	2.93E-08	3.39E-08	3.07E-08	1.40E-08	6.36E-09	0.00E+00	0.00E+00	5.39E-09	1.15E-09	7.30E-09	1.13E-09	4.93E-10	1.55E-08
3786	476863.09	3852377.25	4.95E-05	5.73E-05	2.60E-05	1.71E-08	5.18E-08	3.00E-08	3.47E-08	3.14E-08	1.43E-08	6.50E-09	0.00E+00	0.00E+00	5.51E-09	1.18E-09	7.46E-09	1.15E-09	5.04E-10	1.58E-08
3787	477363.09	3852377.25	5.08E-05	5.87E-05	2.66E-05	1.76E-08	5.31E-08	3.07E-08	3.55E-08	3.22E-08	1.47E-08	6.66E-09	0.00E+00	0.00E+00	5.65E-09	1.21E-09	7.65E-09	1.18E-09	5.16E-10	1.62E-08
3788	477863.09	3852377.25	4.93E-05	5.71E-05	2.59E-05	1.71E-08	5.16E-08	2.98E-08	3.45E-08	3.13E-08	1.43E-08	6.48E-09	0.00E+00	0.00E+00	5.49E-09	1.17E-09	7.44E-09	1.15E-09	5.02E-10	1.57E-08
3789	478363.09	3852377.25	5.14E-05	5.94E-05	2.70E-05	1.78E-08	5.37E-08	3.11E-08	3.59E-08	3.26E-08	1.49E-08	6.75E-09	0.00E+00	0.00E+00	5.72E-09	1.22E-09	7.74E-09	1.19E-09	5.22E-10	1.64E-08
3790	478863.09	3852377.25	6.79E-05	7.86E-05	3.55E-05	2.35E-08	7.10E-08	4.11E-08	4.75E-08	4.31E-08	1.97E-08	8.90E-09	0.00E+00	0.00E+00	7.56E-09	1.61E-09	1.02E-08	1.58E-09	6.89E-10	2.17E-08
3791	479363.09	3852377.25	7.98E-05	9.23E-05	4.17E-05	2.76E-08	8.34E-08	4.83E-08	5.59E-08	5.06E-08	2.31E-08	1.04E-08	0.00E+00	0.00E+00	8.88E-09	1.90E-09	1.20E-08	1.86E-09	8.09E-10	2.55E-08
3792	479863.09	3852377.25	8.93E-05	1.03E-04	4.67E-05	3.09E-08	9.33E-08	5.40E-08	6.25E-08	5.67E-08	2.59E-08	1.17E-08	0.00E+00	0.00E+00	9.94E-09	2.12E-09	1.35E-08	2.08E-09	9.04E-10	2.85E-08
3793	480363.09	3852377.25	9.02E-05	1.04E-04	4.72E-05	3.12E-08	9.43E-08	5.46E-08	6.32E-08	5.73E-08	2.61E-08	1.18E-08	0.00E+00	0.00E+00	1.00E-08	2.14E-09	1.36E-08	2.10E-09	9.14E-10	2.88E-08
3794	480863.09	3852377.25	8.87E-05	1.03E-04	4.64E-05	3.07E-08	9.27E-08	5.37E-08	6.21E-08	5.63E-08	2.57E-08	1.16E-08	0.00E+00	0.00E+00	9.88E-09	2.11E-09	1.34E-08	2.06E-09	8.99E-10	2.83E-08
3795	481363.09	3852377.25	9.15E-05	1.06E-04	4.78E-05	3.17E-08	9.57E-08	5.54E-08	6.41E-08	5.81E-08	2.65E-08	1.20E-08	0.00E+00	0.00E+00	1.02E-08	2.18E-09	1.38E-08	2.13E-09	9.27E-10	2.92E-08
3796	481863.09	3852377.25	1.25E-04	1.44E-04	6.50E-05	4.31E-08	1.30E-07	7.54E-08	8.73E-08	7.91E-08	3.61E-08	1.63E-08	0.00E+00	0.00E+00	1.39E-08	2.96E-09	1.88E-08	2.90E-09	1.26E-09	3.98E-08
3797	482363.09	3852377.25	1.42E-04	1.65E-04	7.42E-05	4.92E-08	1.49E-07	8.61E-08	9.96E-08	9.03E-08	4.12E-08	1.86E-08	0.00E+00	0.00E+00	1.58E-08	3.38E-09	2.15E-08	3.31E-09	1.44E-09	4.54E-08
3798	482863.09	3852377.25	1.19E-04	1.37E-04	6.19E-05	4.10E-08	1.24E-07	7.17E-08	8.30E-08	7.53E-08	3.43E-08	1.55E-08	0.00E+00	0.00E+00	1.32E-08	2.82E-09	1.79E-08	2.76E-09	1.20E-09	3.79E-08
3799	483363.09	3852377.25	9.55E-05	1.10E-04	5.00E-05	3.30E-08	9.98E-08	5.78E-08	6.68E-08	6.06E-08	2.76E-08	1.25E-08	0.00E+00	0.00E+00	1.06E-08	2.27E-09	1.44E-08	2.22E-09	9.69E-10	3.05E-08
3800	483863.09	3852377.25	7.31E-05	8.45E-05	3.84E-05	2.53E-08	7.64E-08	4.42E-08	5.11E-08	4.64E-08	2.12E-08	9.60E-09	0.00E+00	0.00E+00	8.13E-09	1.74E-09	1.10E-08	1.70E-09	7.43E-10	2.33E-08
3801	484363.09	3852377.25	8.02E-05	9.28E-05	4.21E-05	2.78E-08	8.39E-08	4.86E-08	5.62E-08	5.09E-08	2.32E-08	1.05E-08	0.00E+00	0.00E+00	8.93E-09	1.91E-09	1.21E-08	1.87E-09	8.16E-10	2.56E-08
3802	484863.09	3852377.25	7.87E-05	9.10E-05	4.14E-05	2.73E-08	8.23E-08	4.76E-08	5.51E-08	4.99E-08	2.28E-08	1.04E-08	0.00E+00	0.00E+00	8.76E-09	1.87E-09	1.19E-08	1.83E-09	8.02E-10	2.51E-08
3803	485363.09	3852377.25	7.66E-05	8.85E-05	4.02E-05	2.65E-08	8.00E-08	4.63E-08	5.36E-08	4.86E-08	2.22E-08	1.01E-08	0.00E+00	0.00E+00	8.52E-09	1.82E-09	1.15E-08	1.78E-09	7.80E-10	2.44E-08
3804	485863.09	3852377.25	6.44E-05	7.44E-05	3.40E-05	2.23E-08	6.73E-08	3.90E-08	4.50E-08	4.08E-08	1.86E-08	8.50E-09	0.00E+00	0.00E+00	7.17E-09	1.53E-09	9.70E-09	1.50E-09	6.58E-10	2.05E-08
3805	486363.09	3852377.25	4.78E-05	5.52E-05	2.54E-05	1.66E-08	5.00E-08	2.89E-08	3.34E-08	3.03E-08	1.38E-08	6.37E-09	0.00E+00	0.00E+00	5.32E-09	1.13E-09	7.20E-09	1.11E-09	4.93E-10	1.53E-08
3806	486863.09	3852377.25	4.38E-05	5.06E-05	2.34E-05	1.52E-08	4.58E-08	2.65E-08	3.06E-08	2.77E-08	1.27E-08	5.84E-09	0.00E+00	0.00E+00	4.88E-09	1.04E-09	6.59E-09	1.02E-09	4.53E-10	1.40E-08
3807	487363.09	3852377.25	4.01E-05	4.63E-05	2.13E-05	1.39E-08	4.19E-08	2.43E-08	2.80E-08	2.54E-08	1.16E-08	5.34E-09	0.00E+00	0.00E+00	4.46E-09	9.50E-10	6.03E-09	9.30E-10	4.13E-10	1.28E-08
3808	487863.09	3852377.25	3.83E-05	4.43E-05	2.04E-05	1.33E-08	4.01E-08	2.32E-08	2.68E-08	2.43E-08	1.11E-08	5.10E-09	0.00E+00	0.00E+00	4.27E-09	9.09E-10	5.77E-09	8.90E-10	3.95E-10	1.22E-08
3809	488363.09	3852377.25	3.72E-05	4.30E-05	1.98E-05	1.29E-08	3.89E-08	2.25E-08	2.60E-08	2.36E-08	1.08E-08	4.96E-09	0.00E+00	0.00E+00	4.15E-09	8.83E-10	5.60E-09	8.64E-10	3.84E-10	1.19E-08
3810	488863.09	3852377.25	3.72E-05	4.29E-05	1.99E-05	1.29E-08	3.89E-08	2.25E-08	2.60E-08	2.36E-08	1.07E-08	4.97E-09	0.00E+00	0.00E+00	4.14E-09	8.82E-10	5.60E-09	8.63E-10	3.85E-10	1.19E-08
3811	489363.09	3852377.25	4.00E-05	4.62E-05	2.13E-05	1.39E-08	4.19E-08	2.42E-08	2.80E-08	2.53E-08	1.16E-08	5.34E-09	0.00E+00	0.00E+00	4.46E-09	9.49E-10	6.02E-09	9.29E-10	4.13E-10	1.28E-08
3812	489863.09	3852377.25	4.13E-05	4.77E-05	2.20E-05	1.43E-08	4.32E-08	2.50E-08	2.89E-08	2.62E-08	1.19E-08	5.51E-09	0.00E+00	0.00E+00	4.60E-09	9.80E-10	6.22E-09	9.59E-10	4.27E-10	1.32E-08
3813	490363.09	3852377.25	4.99E-05	5.76E-05	2.65E-05	1.73E-08	5.21E-08	3.02E-08	3.49E-08	3.16E-08	1.44E-08	6.62E-09	0.00E+00	0.00E+00	5.55E-09	1.18E-09	7.51E-09	1.16E-09	5.13E-10	1.59E-08
3814	490863.09	3852377.25	5.81E-05	6.71E-05	3.07E-05	2.01E-08	6.07E-08	3.52E-08	4.06E-08	3.68E-08	1.68E-08	7.69E-09	0.00E+00	0.00E+00	6.47E-09	1.38E-09	8.75E-09	1.35E-09	5.96E-10	1.85E-08
3815	491363.09	3852377.25	7.28E-05	8.41E-05	3.84E-05	2.52E-08	7.60E-08	4.40E-08	5.09E-08	4.61E-08	2.10E-08	9.60E-09	0.00E+00	0.00E+00	8.10E-09	1.73E-09	1.10E-08	1.69E-09	7.44E-10	2.32E-08
3816	491863.09	3852377.25	7.94E-05	9.17E-05	4.18E-05	2.75E-08	8.30E-08	4.80E-08	5.55E-08	5.03E-08	2.30E-08	1.05E-08	0.00E+00	0.00E+00	8.84E-09	1.88E-09	1.20E-08	1.84E-09	8.11E-10	2.53E-08
3817	492363.09	3852377.25	8.45E-05	9.77E-05	4.46E-05	2.93E-08	8.84E-08	5.11E-08	5.91E-08	5.36E-08	2.45E-08	1.12E-08	0.00E+00	0.00E+00	9.41E-09	2.01E-09	1.27E-08	1.96E-09	8.63E-10	2.70E-08
3818	492863.09	3852377.25	9.37E-05	1.08E-04	4.94E-05	3.24E-08	9.79E-08	5.67E-08	6.55E-08	5.94E-08	2.71E-08	1.24E-08	0.00E+00	0.00E+00	1.04E-08	2.22E-09	1.41E-08	2.18E-09	9.57E-10	2.99E-08
3819	493363.09	3852377.25	1.08E-04	1.25E-04	5.68E-05	3.73E-08	1.13E-07	6.52E-08	7.53E-08	6.83E-08	3.12E-08	1.42E-08	0.00E+00	0.00E+00	1.20E-08	2.56E-09	1.62E-08	2.50E-09	1.10E-09	3.44E-08
3820	493863.09	3852377.25	1.09E-04	1.27E-04	5.77E-05	3.79E-08	1.14E-07	6.62E-08	7.65E-08	6.94E-08	3.17E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.60E-09	1.65E-08	2.54E-09	1.12E-09	3.49E-08
3821	494363.09	3852377.25	1.10E-04	1.27E-04	5.81E-05	3.81E-08	1.15E-07	6.67E-08	7.71E-08	6.99E-08	3.19E-08	1.45E-08	0.00E+00	0.00E+00	1.23E-08	2.62E-09	1.66E-08	2.56E-09	1.13E-09	3.52E-08
3822	494863.09	3852377.25	1.17E-04	1.36E-04	6.18E-05	4.06E-08	1.23E-07	7.10E-08	8.20E-08	7.44E-08	3.39E-08	1.55E-08	0.00E+00	0.00E+00	1.31E-08	2.78E-09	1.77E-08	2.72E-09	1.20E-09	3.74E-08
3823	495363.09	3852377.25	1.24E-04	1.44E-04	6.55E-05	4.31E-08	1.30E-07	7.53E-08	8.70E-08	7.89E-08	3.60E-08	1.64E-08	0.00E+00	0.00E+00	1.38E-08	2.95E-09	1.87E-08	2.89E-09	1.27E-09	3.97E-08
3824	495863.09	3852377.25	1.21E-04	1.40E-04	6.36E-05	4.18E-08	1.26E-07	7.31E-08	8.45E-08	7.66E-08	3.49E-08	1.59E-08	0.00E+00	0.00E+00	1.34E-08	2.87E-09	1.82E-08	2.81E-09	1.23E-09	3.86E-08
3825	496363.09	3852377.25	1.17E-04	1.35E-04	6.15E-05	4.04E-08	1.22E-07	7.06E-08	8.16E-08	7.39E-08	3.37E-08	1.54E-08	0.00E+00	0.00E+00	1.30E-08	2.77E-09	1.76E-08	2.71E-09	1.19E-09	3.72E-08
3826	496863.09	3852377.25	1.14E-04	1.32E-04	6.00E-05	3.94E-08	1.19E-07	6.89E-08	7.96E-08	7.21E-08	3.29E-08	1.50E-08	0.00E+00	0.00E+00	1.27E-08	2.70E-09	1.71E-08	2.64E-09	1.16E-09	3.63E-08
3827	497363.09	3852377.25	1.04E-04	1.20E-04	5.50E-05	3.61E-08	1.09E-07	6.30E-08	7.28E-08	6.60E-08	3.01E-08	1.38E-08	0.00E+00	0.00E+00	1.16E-08	2.47E-09	1.57E-08	2.42E-09	1.07E-09	3.32E-08
3828	497863.09	3852377.25	9.43E-05	1.09E-04	4.99E-05	3.26E-08	9.85E-08	5.70E-08	6.59E-08	5.97E-08	2.72E-08	1.25E-08	0.00E+00	0.00E+00	1.05E-08	2.24E-09	1.42E-08	2.19E-09	9.67E-10	3.01E-08
3829	498363.09	3852377.25	8.54E-05	9.86E-05	4.53E-05	2.96E-08	8.92E-08	5.17E-08	5.97E-08	5.41E-08	2.47E-08	1.13E-08	0.00E+00	0.00E+00	9.50E-09	2.02E-09	1.28E-08	1.98E-09	8.78E-10	2.72E-08
3830	471363.09	3852877.25	2.95E-05	3.41E-05	1.56E-05	1.02E-08	3.08E-08	1.79E-08	2.06E-08	1.87E-08	8.53E-09	3.91E-09	0.00E+00	0.00E+00	3.29E-09	7.00E-10	4.44E-09	6.85E-10	3.03E-10	9.42E-09
3831	471863.09	3852877.25	3.21E-05	3.71E-05	1.70E-05	1.11E-08	3.36E-08	1.94E-08	2.24E-08	2.03E-08	9.28E-09	4.24E-09	0.00E+00	0.00E+00	3.57E-09	7.62E-10	4.83E-09	7.45E-10	3.29E-10	1.02E-08
3832	472363.09	3852877.25	3.50E-05	4.04E-05	1.85E-05	1.21E-08	3.66E-08	2.12E-08	2.45E-08	2.22E-08	1.01E-08	4.62E-09	0.00E+00	0.00E+00	3.89E-09	8.30E-10	5.27E-09	8.12E-10	3.58E-10	1.12E-08
3833	472863.09	3852877.25	3.72E-05	4.30E-05	1.96E-05	1.29E-08	3.89E-08	2.25E-08	2.60E-08	2.36E-08	1.08E-08	4.92E-09	0.00E+00	0.00E+00	4.15E-09	8.84E-10	5.61E-09	8.65E-10	3.81E-10	1.19E-08
3834	473363.09	3852877.25	3.99E-05	4.62E-05	2.11E-05	1.38E-08	4.17E-08	2.42E-08	2.79E-08	2.53E-08	1.16E-08	5.27E-09	0.00E+00	0.00E+00	4.45E-09	9.48E-10	6.02E-09	9.28E-10	4.08E-10	1.27E-08
3835	473863.09	3852877.25	4.34E-05	5.01E-05	2.29E-05	1.50E-08	4.53E-08	2.63E-08	3.03E-08	2.75E-08	1.26E-08	5.72E-09	0.00E+00	0.00E+00	4.83E-09	1.03E-09	6.54E-09	1.01E-09	4.43E-10	1.38E-08
3836	474363.09	3852877.25	4.75E-05	5.49E-05	2.50E-05	1.65E-08	4.97E-08	2.88E-08	3.32E-08	3.01E-08	1.38E-08	6.26E-09	0.00E+00	0.00E+00	5.29E-09	1.13E-09	7.16E-09	1.10E-09	4.85E-10	1.52E-08
3837	474863.09	3852877.25	4.62E-05	5.34E-05	2.43E-05	1.60E-08	4.83E-08	2.80E-08	3.23E-08	2.93E-08	1.34E-08	6.09E-09	0.00E+00	0.00E+00	5.14E-09	1.10E-09	6.96E-09	1.07E-09	4.72E-10	1.47E-08
3838	475363.09	3852877.25	5.11E-05	5.91E-05	2.69E-05	1.77E-08	5.34E-08	3.09E-08	3.57E-08	3.24E-08	1.48E-08	6.73E-09	0.00E+00	0.00E+00	5.69E-09	1.21E-09	7.70E-09	1.19E-09	5.21E-10	1.63E-08
3839	475863.09	3852877.25	5.34E-05	6.17E-05	2.81E-05	1.85E-08	5.58E-08	3.23E-08	3.73E-08	3.38E-08	1.54E-08	7.02E-09	0.00E+00	0.00E+00	5.94E-09	1.27E-09	8.04E-09	1.24E-09	5.44E-10	1.70E-08
3840	476363.09	3852877.25	5.20E-05	6.02E-05	2.73E-05	1.80E-08	5.44E-08	3.15E-08	3.64E-08	3.30E-08	1.51E-08	6.84E-09	0.00E+00	0.00E+00	5.79E-09	1.24E-09	7.84E-09	1.21E-09	5.30E-10	1.66E-08
3841	476863.09	3852877.25	4.73E-05	5.47E-05	2.49E-05	1.64E-08	4.94E-08	2.86E-08	3.31E-08	3.00E-08	1.37E-08	6.22E-09	0.00E+00	0.00E+00	5.26E-09	1.12E-09	7.12E-09	1.10E-09	4.82E-10	1.51E-08
3842	477363.09	3852877.25	4.28E-05	4.95E-05	2.25E-05	1.48E-08	4.48E-08	2.59E-08	3.00E-08	2.72E-08	1.24E-08	5.64E-09	0.00E+00	0.00E+00	4.77E-09	1.02E-09	6.45E-09	9.95E-10	4.37E-10	1.37E-08
3843	477863.09	3852877.25	3.80E-05	4.39E-05	2.00E-05	1.32E-08	3.97E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	5.01E-09	0.00E+00	0.00E+00	4.23E-09	9.02E-10	5.72E-09	8.83E-10	3.88E-10	1.21E-08
3844	478363.09	3852877.25	2.98E-05	3.44E-05	1.57E-05	1.03E-08	3.11E-08	1.80E-08	2.08E-08	1.89E-08	8.60E-09	3.94E-09	0.00E+00	0.00E+00	3.31E-09	7.06E-10	4.48E-09	6.91E-10	3.05E-10	9.49E-09
3845	478863.09	3852877.25	3.58E-05	4.14E-05	1.89E-05	1.24E-08	3.74E-08	2.17E-08	2.50E-08	2.27E-08	1.04E-08	4.73E-09	0.00E+00	0.00E+00	3.99E-09	8.50E-10	5.39E-09	8.32E-10	3.66E-10	1.14E-08
3846	479363.09	3852877.25	5.32E-05	6.15E-05	2.79E-05	1.84E-08	5.56E-08	3.22E-08	3.72E-08	3.37E-08	1.54E-08	6.98E-09	0.00E+00	0.00E+00	5.92E-09	1.26E-09	8.01E-09	1.24E-09	5.41E-10	1.70E-08
3847	479863.09	3852877.25	9.15E-05	1.06E-04	4.78E-05	3.17E-08	9.56E-08	5.54E-08	6.41E-08	5.81E-08	2.65E-08	1.20E-08	0.00E+00	0.00E+00	1.02E-08	2.17E-09	1.38E-08	2.13E-09	9.27E-10	2.92E-08
3848	480363.09	3852877.25	1.10E-04	1.27E-04	5.75E-05	3.81E-08	1.15E-07	6.66E-08	7.71E-08	6.98E-08	3.19E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.62E-09	1.66E-08	2.56E-09	1.11E-09	3.51E-08
3849	480863.09	3852877.25	1.16E-04	1.34E-04	6.04E-05	4.01E-08	1.21E-07	7.00E-08	8.10E-08	7.35E-08	3.35E-08	1.51E-08	0.00E+00	0.00E+00	1.29E-08	2.75E-09	1.75E-08	2.69E-09	1.17E-09	3.69E-08
3850	481363.09	3852877.25	1.14E-04	1.32E-04	5.95E-05	3.94E-08	1.19E-07	6.89E-08	7.98E-08	7.23E-08	3.30E-08	1.49E-08	0.00E+00	0.00E+00	1.27E-08	2.71E-09	1.72E-08	2.65E-09	1.15E-09	3.64E-08
3851	481863.09	3852877.25	1.15E-04	1.33E-04	6.00E-05	3.98E-08	1.20E-07	6.95E-08	8.05E-08	7.29E-08	3.33E-08	1.50E-08	0.00E+00	0.00E+00	1.28E-08	2.73E-09	1.73E-08	2.67E-09	1.16E-09	3.67E-08
3852	482363.09	3852877.25	1.56E-04	1.80E-04	8.14E-05	5.40E-08	1.63E-07	9.43E-08	1.09E-07	9.90E-08	4.52E-08	2.04E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.35E-08	3.63E-09	1.58E-09	4.98E-08
3853	482863.09	3852877.25	1.79E-04	2.07E-04	9.32E-05	6.19E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.18E-08	2.33E-08	0.00E+00	0.00E+00	1.99E-08	4.25E-09	2.70E-08	4.16E-09	1.81E-09	5.71E-08
3854	483363.09	3852877.25	1.50E-04	1.74E-04	7.85E-05	5.20E-08	1.57E-07	9.09E-08	1.05E-07	9.54E-08	4.35E-08	1.96E-08	0.00E+00	0.00E+00	1.67E-08	3.57E-09	2.27E-08	3.49E-09	1.52E-09	4.80E-08
3855	483863.09	3852877.25	1.11E-04	1.29E-04	5.83E-05	3.85E-08	1.16E-07	6.74E-08	7.79E-08	7.06E-08	3.22E-08	1.46E-08	0.00E+00	0.00E+00	1.24E-08	2.65E-09	1.68E-08	2.59E-09	1.13E-09	3.55E-08
3856	484363.09	3852877.25	1.18E-04	1.37E-04	6.19E-05	4.10E-08	1.24E-07	7.16E-08	8.29E-08	7.51E-08	3.43E-08	1.55E-08	0.00E+00	0.00E+00	1.32E-08	2.81E-09	1.78E-08	2.75E-09	1.20E-09	3.78E-08
3857	484863.09	3852877.25	1.13E-04	1.31E-04	5.92E-05	3.91E-08	1.18E-07	6.83E-08	7.90E-08	7.16E-08	3.27E-08	1.48E-08	0.00E+00	0.00E+00	1.26E-08	2.68E-09	1.70E-08	2.63E-09	1.15E-09	3.60E-08
3858	485363.09	3852877.25	7.68E-05	8.88E-05	4.05E-05	2.66E-08	8.03E-08	4.65E-08	5.37E-08	4.87E-08	2.22E-08	1.01E-08	0.00E+00	0.00E+00	8.55E-09	1.82E-09	1.16E-08	1.78E-09	7.84E-10	2.45E-08
3859	485863.09	3852877.25	6.16E-05	7.12E-05	3.25E-05	2.13E-08	6.44E-08	3.73E-08	4.31E-08	3.90E-08	1.78E-08	8.14E-09	0.00E+00	0.00E+00	6.86E-09	1.46E-09	9.27E-09	1.43E-09	6.31E-10	1.96E-08
3860	486363.09	3852877.25	4.92E-05	5.68E-05	2.62E-05	1.70E-08	5.15E-08	2.98E-08	3.44E-08	3.12E-08	1.42E-08	6.56E-09	0.00E+00	0.00E+00	5.48E-09	1.17E-09	7.41E-09	1.14E-09	5.08E-10	1.57E-08
3861	486863.09	3852877.25	4.83E-05	5.57E-05	2.57E-05	1.67E-08	5.05E-08	2.92E-08	3.37E-08	3.06E-08	1.39E-08	6.44E-09	0.00E+00	0.00E+00	5.38E-09	1.14E-09	7.26E-09	1.12E-09	4.99E-10	1.54E-08
3862	487363.09	3852877.25	4.54E-05	5.24E-05	2.42E-05	1.57E-08	4.75E-08	2.75E-08	3.17E-08	2.88E-08	1.31E-08	6.05E-09	0.00E+00	0.00E+00	5.06E-09	1.08E-09	6.84E-09	1.05E-09	4.69E-10	1.45E-08
3863	487863.09	3852877.25	4.63E-05	5.35E-05	2.46E-05	1.60E-08	4.84E-08	2.80E-08	3.24E-08	2.93E-08	1.34E-08	6.16E-09	0.00E+00	0.00E+00	5.16E-09	1.10E-09	6.97E-09	1.08E-09	4.77E-10	1.48E-08
3864	488363.09	3852877.25	3.95E-05	4.56E-05	2.11E-05	1.37E-08	4.13E-08	2.39E-08	2.76E-08	2.50E-08	1.14E-08	5.27E-09	0.00E+00	0.00E+00	4.40E-09	9.36E-10	5.94E-09	9.16E-10	4.08E-10	1.26E-08
3865	488863.09	3852877.25	4.88E-05	5.64E-05	2.60E-05	1.69E-08	5.10E-08	2.95E-08	3.41E-08	3.09E-08	1.41E-08	6.50E-09	0.00E+00	0.00E+00	5.43E-09	1.16E-09	7.34E-09	1.13E-09	5.03E-10	1.56E-08
3866	489363.09	3852877.25	5.67E-05	6.54E-05	3.00E-05	1.96E-08	5.92E-08	3.43E-08	3.96E-08	3.59E-08	1.64E-08	7.52E-09	0.00E+00	0.00E+00	6.31E-09	1.34E-09	8.53E-09	1.31E-09	5.82E-10	1.81E-08
3867	489863.09	3852877.25	6.47E-05	7.48E-05	3.43E-05	2.24E-08	6.77E-08	3.92E-08	4.52E-08	4.10E-08	1.87E-08	8.57E-09	0.00E+00	0.00E+00	7.21E-09	1.54E-09	9.74E-09	1.50E-09	6.64E-10	2.07E-08
3868	490363.09	3852877.25	8.86E-05	1.02E-04	4.67E-05	3.07E-08	9.26E-08	5.36E-08	6.19E-08	5.61E-08	2.56E-08	1.17E-08	0.00E+00	0.00E+00	9.86E-09	2.10E-09	1.33E-08	2.06E-09	9.04E-10	2.83E-08
3869	490863.09	3852877.25	1.03E-04	1.19E-04	5.41E-05	3.56E-08	1.08E-07	6.23E-08	7.20E-08	6.53E-08	2.98E-08	1.36E-08	0.00E+00	0.00E+00	1.15E-08	2.44E-09	1.55E-08	2.39E-09	1.05E-09	3.28E-08
3870	491363.09	3852877.25	1.17E-04	1.35E-04	6.13E-05	4.04E-08	1.22E-07	7.06E-08	8.16E-08	7.40E-08	3.38E-08	1.53E-08	0.00E+00	0.00E+00	1.30E-08	2.77E-09	1.76E-08	2.71E-09	1.19E-09	3.72E-08
3871	491863.09	3852877.25	1.25E-04	1.44E-04	6.56E-05	4.32E-08	1.31E-07	7.56E-08	8.74E-08	7.92E-08	3.61E-08	1.64E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.88E-08	2.90E-09	1.27E-09	3.99E-08
3872	492363.09	3852877.25	1.34E-04	1.55E-04	7.06E-05	4.65E-08	1.40E-07	8.12E-08	9.39E-08	8.52E-08	3.89E-08	1.77E-08	0.00E+00	0.00E+00	1.49E-08	3.19E-09	2.02E-08	3.12E-09	1.37E-09	4.29E-08
3873	492863.09	3852877.25	1.50E-04	1.74E-04	7.90E-05	5.20E-08	1.57E-07	9.09E-08	1.05E-07	9.53E-08	4.35E-08	1.98E-08	0.00E+00	0.00E+00	1.67E-08	3.57E-09	2.26E-08	3.49E-09	1.53E-09	4.79E-08
3874	493363.09	3852877.25	1.61E-04	1.86E-04	8.45E-05	5.56E-08	1.68E-07	9.72E-08	1.12E-07	1.02E-07	4.65E-08	2.11E-08	0.00E+00	0.00E+00	1.79E-08	3.82E-09	2.42E-08	3.73E-09	1.64E-09	5.13E-08
3875	493863.09	3852877.25	1.60E-04	1.85E-04	8.43E-05	5.55E-08	1.68E-07	9.70E-08	1.12E-07	1.02E-07	4.64E-08	2.11E-08	0.00E+00	0.00E+00	1.78E-08	3.81E-09	2.42E-08	3.73E-09	1.63E-09	5.12E-08
3876	494363.09	3852877.25	1.60E-04	1.85E-04	8.42E-05	5.55E-08	1.68E-07	9.70E-08	1.12E-07	1.02E-07	4.64E-08	2.11E-08	0.00E+00	0.00E+00	1.78E-08	3.81E-09	2.42E-08	3.73E-09	1.63E-09	5.12E-08
3877	494863.09	3852877.25	1.63E-04	1.89E-04	8.56E-05	5.64E-08	1.70E-07	9.86E-08	1.14E-07	1.03E-07	4.72E-08	2.14E-08	0.00E+00	0.00E+00	1.81E-08	3.87E-09	2.46E-08	3.79E-09	1.66E-09	5.20E-08
3878	495363.09	3852877.25	1.55E-04	1.80E-04	8.17E-05	5.38E-08	1.62E-07	9.40E-08	1.09E-07	9.86E-08	4.50E-08	2.04E-08	0.00E+00	0.00E+00	1.73E-08	3.69E-09	2.34E-08	3.61E-09	1.58E-09	4.96E-08

3879	495863.09	3852877.25	1.47E-04	1.70E-04	7.75E-05	5.10E-08	1.54E-07	8.91E-08	1.03E-07	9.34E-08	4.26E-08	1.94E-08	0.00E+00	0.00E+00	1.64E-08	3.50E-09	2.22E-08	3.42E-09	1.50E-09	4.70E-08
3880	496363.09	3852877.25	1.45E-04	1.67E-04	7.62E-05	5.01E-08	1.51E-07	8.75E-08	1.01E-07	9.17E-08	4.19E-08	1.91E-08	0.00E+00	0.00E+00	1.61E-08	3.43E-09	2.18E-08	3.36E-09	1.48E-09	4.62E-08
3881	496863.09	3852877.25	1.38E-04	1.59E-04	7.27E-05	4.77E-08	1.44E-07	8.34E-08	9.64E-08	8.74E-08	3.99E-08	1.82E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.08E-08	3.20E-09	1.41E-09	4.40E-08
3882	497363.09	3852877.25	1.19E-04	1.38E-04	6.30E-05	4.13E-08	1.25E-07	7.22E-08	8.34E-08	7.56E-08	3.45E-08	1.58E-08	0.00E+00	0.00E+00	1.33E-08	2.83E-09	1.80E-08	2.77E-09	1.22E-09	3.81E-08
3883	497863.09	3852877.25	9.20E-05	1.06E-04	4.88E-05	3.18E-08	9.61E-08	5.56E-08	6.43E-08	5.82E-08	2.66E-08	1.22E-08	0.00E+00	0.00E+00	1.02E-08	2.18E-09	1.38E-08	2.13E-09	9.46E-10	2.93E-08
3884	498363.09	3852877.25	8.67E-05	1.00E-04	4.61E-05	3.00E-08	9.06E-08	5.24E-08	6.05E-08	5.49E-08	2.50E-08	1.15E-08	0.00E+00	0.00E+00	9.65E-09	2.05E-09	1.30E-08	2.01E-09	8.93E-10	2.76E-08
3885	471363.09	3853377.25	3.10E-05	3.58E-05	1.64E-05	1.07E-08	3.24E-08	1.87E-08	2.16E-08	1.96E-08	8.95E-09	4.10E-09	0.00E+00	0.00E+00	3.45E-09	7.34E-10	4.66E-09	7.19E-10	3.17E-10	9.88E-09
3886	471863.09	3853377.25	3.40E-05	3.93E-05	1.80E-05	1.18E-08	3.55E-08	2.06E-08	2.38E-08	2.15E-08	9.83E-09	4.50E-09	0.00E+00	0.00E+00	3.78E-09	8.06E-10	5.12E-09	7.89E-10	3.48E-10	1.08E-08
3887	472363.09	3853377.25	3.65E-05	4.22E-05	1.93E-05	1.26E-08	3.82E-08	2.21E-08	2.55E-08	2.32E-08	1.06E-08	4.83E-09	0.00E+00	0.00E+00	4.07E-09	8.67E-10	5.50E-09	8.48E-10	3.74E-10	1.17E-08
3888	472863.09	3853377.25	3.91E-05	4.52E-05	2.06E-05	1.35E-08	4.09E-08	2.37E-08	2.74E-08	2.48E-08	1.13E-08	5.17E-09	0.00E+00	0.00E+00	4.35E-09	9.28E-10	5.89E-09	9.09E-10	4.00E-10	1.25E-08
3889	473363.09	3853377.25	4.12E-05	4.76E-05	2.17E-05	1.43E-08	4.31E-08	2.49E-08	2.88E-08	2.61E-08	1.19E-08	5.44E-09	0.00E+00	0.00E+00	4.59E-09	9.79E-10	6.21E-09	9.58E-10	4.21E-10	1.32E-08
3890	473863.09	3853377.25	4.37E-05	5.05E-05	2.30E-05	1.51E-08	4.56E-08	2.64E-08	3.05E-08	2.77E-08	1.26E-08	5.76E-09	0.00E+00	0.00E+00	4.86E-09	1.04E-09	6.58E-09	1.01E-09	4.46E-10	1.39E-08
3891	474363.09	3853377.25	4.63E-05	5.35E-05	2.44E-05	1.60E-08	4.84E-08	2.80E-08	3.24E-08	2.93E-08	1.34E-08	6.10E-09	0.00E+00	0.00E+00	5.15E-09	1.10E-09	6.97E-09	1.08E-09	4.72E-10	1.48E-08
3892	474863.09	3853377.25	4.69E-05	5.42E-05	2.47E-05	1.62E-08	4.90E-08	2.84E-08	3.28E-08	2.98E-08	1.36E-08	6.19E-09	0.00E+00	0.00E+00	5.22E-09	1.11E-09	7.07E-09	1.09E-09	4.79E-10	1.50E-08
3893	475363.09	3853377.25	4.85E-05	5.60E-05	2.55E-05	1.68E-08	5.07E-08	2.93E-08	3.39E-08	3.07E-08	1.40E-08	6.39E-09	0.00E+00	0.00E+00	5.40E-09	1.15E-09	7.30E-09	1.13E-09	4.95E-10	1.55E-08
3894	475863.09	3853377.25	4.96E-05	5.74E-05	2.61E-05	1.72E-08	5.19E-08	3.00E-08	3.47E-08	3.15E-08	1.44E-08	6.54E-09	0.00E+00	0.00E+00	5.53E-09	1.18E-09	7.48E-09	1.15E-09	5.07E-10	1.58E-08
3895	476363.09	3853377.25	4.69E-05	5.43E-05	2.47E-05	1.63E-08	4.91E-08	2.84E-08	3.28E-08	2.98E-08	1.36E-08	6.19E-09	0.00E+00	0.00E+00	5.23E-09	1.11E-09	7.07E-09	1.09E-09	4.80E-10	1.50E-08
3896	476863.09	3853377.25	4.09E-05	4.72E-05	2.16E-05	1.41E-08	4.27E-08	2.47E-08	2.86E-08	2.59E-08	1.18E-08	5.40E-09	0.00E+00	0.00E+00	4.55E-09	9.70E-10	6.15E-09	9.49E-10	4.18E-10	1.30E-08
3897	477363.09	3853377.25	4.02E-05	4.65E-05	2.12E-05	1.39E-08	4.20E-08	2.43E-08	2.81E-08	2.55E-08	1.16E-08	5.31E-09	0.00E+00	0.00E+00	4.48E-09	9.54E-10	6.06E-09	9.34E-10	4.11E-10	1.28E-08
3898	477863.09	3853377.25	4.04E-05	4.67E-05	2.13E-05	1.40E-08	4.23E-08	2.45E-08	2.83E-08	2.56E-08	1.17E-08	5.34E-09	0.00E+00	0.00E+00	4.50E-09	9.60E-10	6.09E-09	9.39E-10	4.13E-10	1.29E-08
3899	478363.09	3853377.25	3.43E-05	3.97E-05	1.82E-05	1.19E-08	3.59E-08	2.08E-08	2.40E-08	2.18E-08	9.93E-09	4.54E-09	0.00E+00	0.00E+00	3.82E-09	8.15E-10	5.17E-09	7.98E-10	3.52E-10	1.10E-08
3900	478863.09	3853377.25	2.68E-05	3.10E-05	1.42E-05	9.29E-09	2.80E-08	1.62E-08	1.87E-08	1.70E-08	7.75E-09	3.56E-09	0.00E+00	0.00E+00	2.99E-09	6.36E-10	4.04E-09	6.23E-10	2.76E-10	8.56E-09
3901	479363.09	3853377.25	4.34E-05	5.02E-05	2.29E-05	1.50E-08	4.54E-08	2.63E-08	3.04E-08	2.75E-08	1.26E-08	5.72E-09	0.00E+00	0.00E+00	4.83E-09	1.03E-09	6.54E-09	1.01E-09	4.43E-10	1.39E-08
3902	479863.09	3853377.25	6.65E-05	7.69E-05	3.49E-05	2.30E-08	6.95E-08	4.02E-08	4.65E-08	4.22E-08	1.93E-08	8.73E-09	0.00E+00	0.00E+00	7.40E-09	1.58E-09	1.00E-08	1.55E-09	6.76E-10	2.12E-08
3903	480363.09	3853377.25	1.08E-04	1.26E-04	5.67E-05	3.75E-08	1.13E-07	6.56E-08	7.59E-08	6.88E-08	3.14E-08	1.42E-08	0.00E+00	0.00E+00	1.21E-08	2.58E-09	1.64E-08	2.52E-09	1.10E-09	3.46E-08
3904	480863.09	3853377.25	1.22E-04	1.41E-04	6.36E-05	4.22E-08	1.27E-07	7.37E-08	8.53E-08	7.73E-08	3.53E-08	1.59E-08	0.00E+00	0.00E+00	1.36E-08	2.90E-09	1.84E-08	2.83E-09	1.23E-09	3.89E-08
3905	481363.09	3853377.25	1.51E-04	1.74E-04	7.86E-05	5.21E-08	1.57E-07	9.11E-08	1.05E-07	9.56E-08	4.36E-08	1.97E-08	0.00E+00	0.00E+00	1.68E-08	3.58E-09	2.27E-08	3.50E-09	1.52E-09	4.81E-08
3906	481863.09	3853377.25	1.53E-04	1.77E-04	8.00E-05	5.31E-08	1.60E-07	9.27E-08	1.07E-07	9.73E-08	4.44E-08	2.00E-08	0.00E+00	0.00E+00	1.71E-08	3.64E-09	2.31E-08	3.57E-09	1.55E-09	4.89E-08
3907	482363.09	3853377.25	1.53E-04	1.77E-04	8.01E-05	5.31E-08	1.60E-07	9.28E-08	1.07E-07	9.73E-08	4.44E-08	2.00E-08	0.00E+00	0.00E+00	1.71E-08	3.64E-09	2.31E-08	3.57E-09	1.55E-09	4.90E-08
3908	482863.09	3853377.25	2.06E-04	2.38E-04	1.07E-04	7.13E-08	2.15E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.69E-08	0.00E+00	0.00E+00	2.29E-08	4.90E-09	3.11E-08	4.79E-09	2.08E-09	6.58E-08
3909	483363.09	3853377.25	2.37E-04	2.74E-04	1.23E-04	8.20E-08	2.47E-07	1.43E-07	1.66E-07	1.50E-07	6.86E-08	3.09E-08	0.00E+00	0.00E+00	2.64E-08	5.63E-09	3.57E-08	5.51E-09	2.39E-09	7.56E-08
3910	483863.09	3853377.25	1.96E-04	2.27E-04	1.02E-04	6.77E-08	2.05E-07	1.18E-07	1.37E-07	1.24E-07	5.67E-08	2.56E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	1.98E-09	6.25E-08
3911	484363.09	3853377.25	1.79E-04	2.08E-04	9.37E-05	6.21E-08	1.87E-07	1.09E-07	1.26E-07	1.14E-07	5.19E-08	2.34E-08	0.00E+00	0.00E+00	2.00E-08	4.26E-09	2.70E-08	4.17E-09	1.82E-09	5.73E-08
3912	484863.09	3853377.25	1.40E-04	1.62E-04	7.35E-05	4.86E-08	1.47E-07	8.50E-08	9.83E-08	8.91E-08	4.07E-08	1.84E-08	0.00E+00	0.00E+00	1.56E-08	3.34E-09	2.12E-08	3.27E-09	1.42E-09	4.48E-08
3913	485363.09	3853377.25	7.91E-05	9.14E-05	4.18E-05	2.74E-08	8.26E-08	4.78E-08	5.53E-08	5.01E-08	2.29E-08	1.05E-08	0.00E+00	0.00E+00	8.80E-09	1.88E-09	1.19E-08	1.84E-09	8.09E-10	2.52E-08
3914	485863.09	3853377.25	5.26E-05	6.07E-05	2.79E-05	1.82E-08	5.49E-08	3.18E-08	3.67E-08	3.33E-08	1.52E-08	6.99E-09	0.00E+00	0.00E+00	5.85E-09	1.25E-09	7.91E-09	1.22E-09	5.41E-10	1.68E-08
3915	486363.09	3853377.25	5.57E-05	6.43E-05	2.96E-05	1.93E-08	5.82E-08	3.37E-08	3.89E-08	3.52E-08	1.61E-08	7.41E-09	0.00E+00	0.00E+00	6.20E-09	1.32E-09	8.37E-09	1.29E-09	5.74E-10	1.78E-08
3916	486863.09	3853377.25	5.92E-05	6.83E-05	3.15E-05	2.05E-08	6.19E-08	3.58E-08	4.14E-08	3.75E-08	1.71E-08	7.89E-09	0.00E+00	0.00E+00	6.59E-09	1.40E-09	8.91E-09	1.37E-09	6.11E-10	1.89E-08
3917	487363.09	3853377.25	7.02E-05	8.11E-05	3.72E-05	2.43E-08	7.34E-08	4.25E-08	4.91E-08	4.45E-08	2.03E-08	9.32E-09	0.00E+00	0.00E+00	7.82E-09	1.67E-09	1.06E-08	1.63E-09	7.21E-10	2.24E-08
3918	487863.09	3853377.25	8.55E-05	9.88E-05	4.51E-05	2.96E-08	8.94E-08	5.17E-08	5.98E-08	5.42E-08	2.47E-08	1.13E-08	0.00E+00	0.00E+00	9.52E-09	2.03E-09	1.29E-08	1.99E-09	8.74E-10	2.73E-08
3919	488363.09	3853377.25	1.04E-04	1.21E-04	5.49E-05	3.61E-08	1.09E-07	6.31E-08	7.30E-08	6.61E-08	3.02E-08	1.37E-08	0.00E+00	0.00E+00	1.16E-08	2.48E-09	1.57E-08	2.42E-09	1.06E-09	3.33E-08
3920	488863.09	3853377.25	1.20E-04	1.39E-04	6.31E-05	4.15E-08	1.25E-07	7.26E-08	8.40E-08	7.61E-08	3.47E-08	1.58E-08	0.00E+00	0.00E+00	1.34E-08	2.85E-09	1.81E-08	2.79E-09	1.22E-09	3.83E-08
3921	489363.09	3853377.25	1.34E-04	1.55E-04	7.03E-05	4.63E-08	1.40E-07	8.09E-08	9.36E-08	8.48E-08	3.87E-08	1.76E-08	0.00E+00	0.00E+00	1.49E-08	3.18E-09	2.02E-08	3.11E-09	1.36E-09	4.27E-08
3922	489863.09	3853377.25	1.41E-04	1.63E-04	7.42E-05	4.89E-08	1.48E-07	8.54E-08	9.88E-08	8.95E-08	4.09E-08	1.86E-08	0.00E+00	0.00E+00	1.57E-08	3.35E-09	2.13E-08	3.28E-09	1.44E-09	4.51E-08
3923	490363.09	3853377.25	1.60E-04	1.85E-04	8.38E-05	5.53E-08	1.67E-07	9.66E-08	1.12E-07	1.01E-07	4.62E-08	2.10E-08	0.00E+00	0.00E+00	1.78E-08	3.79E-09	2.41E-08	3.71E-09	1.62E-09	5.10E-08
3924	490863.09	3853377.25	1.76E-04	2.03E-04	9.20E-05	6.08E-08	1.83E-07	1.06E-07	1.23E-07	1.11E-07	5.08E-08	2.30E-08	0.00E+00	0.00E+00	1.95E-08	4.17E-09	2.65E-08	4.08E-09	1.78E-09	5.60E-08
3925	491363.09	3853377.25	1.89E-04	2.19E-04	9.92E-05	6.56E-08	1.98E-07	1.15E-07	1.33E-07	1.20E-07	5.48E-08	2.48E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.86E-08	4.40E-09	1.92E-09	6.05E-08
3926	491863.09	3853377.25	2.00E-04	2.32E-04	1.05E-04	6.93E-08	2.09E-07	1.21E-07	1.40E-07	1.27E-07	5.80E-08	2.63E-08	0.00E+00	0.00E+00	2.23E-08	4.76E-09	3.02E-08	4.66E-09	2.03E-09	6.39E-08
3927	492363.09	3853377.25	2.16E-04	2.50E-04	1.13E-04	7.48E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.84E-08	0.00E+00	0.00E+00	2.41E-08	5.13E-09	3.26E-08	5.02E-09	2.20E-09	6.90E-08
3928	492863.09	3853377.25	2.29E-04	2.65E-04	1.20E-04	7.94E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.64E-08	3.01E-08	0.00E+00	0.00E+00	2.55E-08	5.45E-09	3.46E-08	5.33E-09	2.33E-09	7.32E-08
3929	493363.09	3853377.25	2.29E-04	2.65E-04	1.20E-04	7.94E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.64E-08	3.01E-08	0.00E+00	0.00E+00	2.55E-08	5.45E-09	3.46E-08	5.33E-09	2.33E-09	7.32E-08
3930	493863.09	3853377.25	2.27E-04	2.62E-04	1.19E-04	7.86E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.57E-08	2.98E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.28E-09	2.31E-09	7.24E-08
3931	494363.09	3853377.25	2.17E-04	2.51E-04	1.14E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.29E-08	2.85E-08	0.00E+00	0.00E+00	2.42E-08	5.16E-09	3.28E-08	5.05E-09	2.21E-09	6.94E-08
3932	494863.09	3853377.25	2.05E-04	2.37E-04	1.07E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.92E-08	2.69E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.08E-08	4.75E-09	2.08E-09	6.53E-08
3933	495363.09	3853377.25	1.98E-04	2.28E-04	1.04E-04	6.84E-08	2.07E-07	1.20E-07	1.38E-07	1.25E-07	5.72E-08	2.60E-08	0.00E+00	0.00E+00	2.20E-08	4.69E-09	2.98E-08	4.59E-09	2.01E-09	6.31E-08
3934	495863.09	3853377.25	1.86E-04	2.16E-04	9.81E-05	6.45E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.39E-08	2.45E-08	0.00E+00	0.00E+00	2.08E-08	4.43E-09	2.81E-08	4.33E-09	1.90E-09	5.95E-08
3935	496363.09	3853377.25	1.71E-04	1.98E-04	9.01E-05	5.92E-08	1.79E-07	1.04E-07	1.20E-07	1.08E-07	4.95E-08	2.26E-08	0.00E+00	0.00E+00	1.90E-08	4.06E-09	2.58E-08	3.97E-09	1.75E-09	5.46E-08
3936	496863.09	3853377.25	1.51E-04	1.74E-04	7.95E-05	5.21E-08	1.57E-07	9.11E-08	1.05E-07	9.55E-08	4.36E-08	1.99E-08	0.00E+00	0.00E+00	1.68E-08	3.57E-09	2.27E-08	3.50E-09	1.54E-09	4.81E-08
3937	497363.09	3853377.25	1.26E-04	1.46E-04	6.67E-05	4.36E-08	1.32E-07	7.63E-08	8.81E-08	7.99E-08	3.64E-08	1.67E-08	0.00E+00	0.00E+00	1.40E-08	2.99E-09	1.90E-08	2.93E-09	1.29E-09	4.02E-08
3938	497863.09	3853377.25	8.70E-05	1.00E-04	4.64E-05	3.01E-08	9.10E-08	5.27E-08	6.08E-08	5.51E-08	2.51E-08	1.16E-08	0.00E+00	0.00E+00	9.69E-09	2.06E-09	1.31E-08	2.02E-09	8.99E-10	2.78E-08
3939	498363.09	3853377.25	6.94E-05	8.00E-05	3.72E-05	2.40E-08	7.25E-08	4.20E-08	4.84E-08	4.39E-08	2.00E-08	9.31E-09	0.00E+00	0.00E+00	7.73E-09	1.64E-09	1.04E-08	1.61E-09	7.21E-10	2.21E-08
3940	471363.09	3853877.25	3.04E-05	3.51E-05	1.61E-05	1.05E-08	3.18E-08	1.84E-08	2.12E-08	1.92E-08	8.78E-09	4.03E-09	0.00E+00	0.00E+00	3.38E-09	7.21E-10	4.57E-09	7.05E-10	3.12E-10	9.69E-09
3941	471863.09	3853877.25	3.40E-05	3.93E-05	1.80E-05	1.18E-08	3.56E-08	2.06E-08	2.38E-08	2.16E-08	9.83E-09	4.50E-09	0.00E+00	0.00E+00	3.79E-09	8.07E-10	5.12E-09	7.90E-10	3.49E-10	1.09E-08
3942	472363.09	3853877.25	3.65E-05	4.21E-05	1.93E-05	1.26E-08	3.81E-08	2.21E-08	2.55E-08	2.31E-08	1.05E-08	4.82E-09	0.00E+00	0.00E+00	4.06E-09	8.65E-10	5.49E-09	8.47E-10	3.74E-10	1.16E-08
3943	472863.09	3853877.25	3.95E-05	4.56E-05	2.08E-05	1.37E-08	4.12E-08	2.39E-08	2.76E-08	2.50E-08	1.14E-08	5.22E-09	0.00E+00	0.00E+00	4.39E-09	9.36E-10	5.94E-09	9.16E-10	4.04E-10	1.26E-08
3944	473363.09	3853877.25	4.17E-05	4.82E-05	2.20E-05	1.44E-08	4.36E-08	2.52E-08	2.91E-08	2.64E-08	1.21E-08	5.51E-09	0.00E+00	0.00E+00	4.64E-09	9.89E-10	6.28E-09	9.68E-10	4.26E-10	1.33E-08
3945	473863.09	3853877.25	4.40E-05	5.08E-05	2.32E-05	1.52E-08	4.60E-08	2.66E-08	3.07E-08	2.79E-08	1.27E-08	5.81E-09	0.00E+00	0.00E+00	4.89E-09	1.04E-09	6.62E-09	1.02E-09	4.50E-10	1.40E-08
3946	474363.09	3853877.25	4.68E-05	5.41E-05	2.47E-05	1.62E-08	4.90E-08	2.83E-08	3.28E-08	2.97E-08	1.36E-08	6.18E-09	0.00E+00	0.00E+00	5.22E-09	1.11E-09	7.06E-09	1.09E-09	4.79E-10	1.50E-08
3947	474863.09	3853877.25	4.91E-05	5.68E-05	2.59E-05	1.70E-08	5.14E-08	2.97E-08	3.44E-08	3.12E-08	1.42E-08	6.48E-09	0.00E+00	0.00E+00	5.47E-09	1.17E-09	7.40E-09	1.14E-09	5.02E-10	1.57E-08
3948	475363.09	3853877.25	4.84E-05	5.59E-05	2.55E-05	1.67E-08	5.06E-08	2.93E-08	3.38E-08	3.07E-08	1.40E-08	6.38E-09	0.00E+00	0.00E+00	5.38E-09	1.15E-09	7.29E-09	1.12E-09	4.94E-10	1.54E-08
3949	475863.09	3853877.25	4.23E-05	4.88E-05	2.23E-05	1.46E-08	4.42E-08	2.56E-08	2.96E-08	2.68E-08	1.22E-08	5.59E-09	0.00E+00	0.00E+00	4.70E-09	1.00E-09	6.36E-09	9.81E-10	4.33E-10	1.35E-08
3950	476363.09	3853877.25	3.61E-05	4.16E-05	1.91E-05	1.25E-08	3.77E-08	2.18E-08	2.52E-08	2.28E-08	1.04E-08	4.78E-09	0.00E+00	0.00E+00	4.01E-09	8.55E-10	5.43E-09	8.37E-10	3.70E-10	1.15E-08
3951	476863.09	3853877.25	2.93E-05	3.38E-05	1.56E-05	1.01E-08	3.06E-08	1.77E-08	2.04E-08	1.85E-08	8.46E-09	3.89E-09	0.00E+00	0.00E+00	3.26E-09	6.94E-10	4.40E-09	6.79E-10	3.02E-10	9.34E-09
3952	477363.09	3853877.25	3.23E-05	3.73E-05	1.71E-05	1.12E-08	3.38E-08	1.95E-08	2.26E-08	2.05E-08	9.33E-09	4.29E-09	0.00E+00	0.00E+00	3.59E-09	7.66E-10	4.86E-09	7.49E-10	3.32E-10	1.03E-08
3953	477863.09	3853877.25	3.72E-05	4.30E-05	1.97E-05	1.29E-08	3.89E-08	2.25E-08	2.60E-08	2.36E-08	1.08E-08	4.93E-09	0.00E+00	0.00E+00	4.14E-09	8.82E-10	5.60E-09	8.63E-10	3.82E-10	1.19E-08
3954	478363.09	3853877.25	3.96E-05	4.58E-05	2.09E-05	1.37E-08	4.14E-08	2.40E-08	2.77E-08	2.51E-08	1.15E-08	5.24E-09	0.00E+00	0.00E+00	4.41E-09	9.40E-10	5.97E-09	9.20E-10	4.06E-10	1.26E-08
3955	478863.09	3853877.25	2.90E-05	3.34E-05	1.54E-05	1.00E-08	3.03E-08	1.75E-08	2.02E-08	1.83E-08	8.37E-09	3.85E-09	0.00E+00	0.00E+00	3.22E-09	6.87E-10	4.36E-09	6.72E-10	2.98E-10	9.24E-09
3956	479363.09	3853877.25	3.86E-05	4.46E-05	2.04E-05	1.33E-08	4.03E-08	2.33E-08	2.70E-08	2.44E-08	1.12E-08	5.10E-09	0.00E+00	0.00E+00	4.29E-09	9.15E-10	5.81E-09	8.95E-10	3.95E-10	1.23E-08
3957	479863.09	3853877.25	6.93E-05	8.01E-05	3.64E-05	2.40E-08	7.24E-08	4.19E-08	4.85E-08	4.39E-08	2.01E-08	9.10E-09	0.00E+00	0.00E+00	7.71E-09	1.65E-09	1.04E-08	1.61E-09	7.05E-10	2.21E-08
3958	480363.09	3853877.25	9.93E-05	1.15E-04	5.20E-05	3.44E-08	1.04E-07	6.01E-08	6.95E-08	6.30E-08	2.88E-08	1.30E-08	0.00E+00	0.00E+00	1.11E-08	2.36E-09	1.50E-08	2.31E-09	1.01E-09	3.17E-08
3959	480863.09	3853877.25	1.41E-04	1.63E-04	7.36E-05	4.87E-08	1.47E-07	8.52E-08	9.86E-08	8.94E-08	4.08E-08	1.84E-08	0.00E+00	0.00E+00	1.57E-08	3.35E-09	2.12E-08	3.28E-09	1.43E-09	4.50E-08
3960	481363.09	3853877.25	1.67E-04	1.94E-04	8.74E-05	5.79E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.85E-08	2.19E-08	0.00E+00	0.00E+00	1.86E-08	3.98E-09	2.52E-08	3.89E-09	1.69E-09	5.34E-08
3961	481863.09	3853877.25	1.91E-04	2.21E-04	9.95E-05	6.60E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.52E-08	2.49E-08	0.00E+00	0.00E+00	2.12E-08	4.53E-09	2.87E-08	4.43E-09	1.93E-09	6.09E-08
3962	482363.09	3853877.25	2.15E-04	2.49E-04	1.12E-04	7.45E-08	2.25E-07	1.30E-07	1.51E-07	1.37E-07	6.23E-08	2.81E-08	0.00E+00	0.00E+00	2.40E-08	5.12E-09	3.25E-08	5.01E-09	2.18E-09	6.87E-08
3963	482863.09	3853877.25	2.30E-04	2.66E-04	1.20E-04	7.96E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.66E-08	3.00E-08	0.00E+00	0.00E+00	2.56E-08	5.46E-09	3.47E-08	5.35E-09	2.32E-09	7.34E-08
3964	483363.09	3853877.25	3.08E-04	3.56E-04	1.61E-04	1.07E-07	3.22E-07	1.86E-07	2.16E-07	1.96E-07	8.92E-08	4.02E-08	0.00E+00	0.00E+00	3.43E-08	7.32E-09	4.65E-08	7.16E-09	3.11E-09	9.83E-08
3965	483863.09	3853877.25	3.39E-04	3.93E-04	1.77E-04	1.17E-07	3.54E-07	2.05E-07	2.37E-07	2.15E-07	9.82E-08	4.42E-08	0.00E+00	0.00E+00	3.77E-08	8.06E-09	5.12E-08	7.89E-09	3.42E-09	1.08E-07
3966	484363.09	3853877.25	2.54E-04	2.95E-04	1.33E-04	8.81E-08	2.66E-07	1.54E-07	1.78E-07	1.62E-07	7.37E-08	3.33E-08	0.00E+00	0.00E+00	2.83E-08	6.05E-09	3.84E-08	5.92E-09	2.58E-09	8.12E-08
3967	484863.09	3853877.25	1.62E-04	1.87E-04	8.49E-05	5.61E-08	1.69E-07	9.80E-08	1.13E-07	1.03E-07	4.69E-08	2.13E-08	0.00E+00	0.00E+00	1.80E-08	3.85E-09	2.44E-08	3.76E-09	1.65E-09	5.17E-08
3968	485363.09	3853877.25	8.60E-05	9.94E-05	4.55E-05	2.98E-08	8.99E-08	5.21E-08	6.01E-08	5.45E-08	2.49E-08	1.14E-08	0.00E+00	0.00E+00	9.58E-09	2.04E-09	1.30E-08	2.00E-09	8.82E-10	2.75E-08
3969	485863.09	3853877.25	9.69E-05	1.12E-04	5.12E-05	3.35E-08	1.01E-07	5.86E-08	6.77E-08	6.14E-08	2.80E-08	1.28E-08	0.00E+00	0.00E+00	1.08E-08	2.30E-09	1.46E-08	2.25E-09	9.93E-10	3.09E-08
3970	486363.09	3853877.25	9.93E-05	1.15E-04	5.24E-05	3.44E-08	1.04E-07	6.01E-08	6.94E-08	6.29E-08	2.87E-08	1.31E-08	0.00E+00	0.00E+00	1.10E-08	2.36E-09	1.49E-08	2.30E-09	1.02E-09	3.17E-08
3971	486863.09	3853877.25	1.10E-04	1.27E-04	5.82E-05	3.81E-08	1.15E-07	6.67E-08	7.70E-08	6.98E-08	3.19E-08	1.46E-08	0.00E+00	0.00E+00	1.23E-08	2.61E-09	1.66E-08	2.56E-09	1.13E-09	3.52E-08
3972	487363.09	3853877.25	1.40E-04	1.62E-04	7.36E-05	4.84E-08	1.46E-07	8.46E-08	9.77E-08	8.86E-08	4.04E-08	1.84E-08	0.00E+00	0.00E+00	1.56E-08	3.32E-09	2.11E-08	3.25E-09	1.43E-09	4.46E-08
3973	487863.09	3853877.25	1.88E-04	2.18E-04	9.88E-05	6.52E-08	1.97E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.47E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.38E-09	1.91E-09	6.02E-08
3974	488363.09	3853877.25	2.23E-04	2.57E-04	1.17E-04	7.70E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.44E-08	2.92E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.36E-08	5.17E-09	2.26E-09	7.10E-08
3975	488863.09	3853877.25	2.65E-04	3.06E-04	1.38E-04	9.16E-08	2.77E-07	1.60E-07	1.85E-07	1.68E-07	7.66E-08	3.46E-08	0.00E+00	0.00E+00	2.95E-08	6.29E-09	3.99E-08	6.15E-09	2.68E-09	8.45E-08
3976	489363.09	3853877.25	2.67E-04	3.10E-04	1.40E-04	9.26E-08	2.80E-07	1.62E-07	1.87E-07	1.70E-07	7.75E-08	3.50E-08	0.00E+00	0.00E+00	2.98E-08	6.36E-09	4.03E-08	6.22E-09	2.71E-09	8.54E-08
3977	489863.09	3853877.25	2.87E-04	3.33E-04	1.50E-04	9.95E-08	3.00E-07	1.74E-07	2.01E-07	1.82E-07	8.32E-08	3.76E-08	0.00E+00	0.00E+00	3.20E-08	6.83E-09	4.33E-08	6.68E-09	2.92E-09	9.18E-08
3978	490363.09	3853877.25	2.93E-04	3.39E-04	1.53E-04	1.01E-07	3.06E-07	1.77E-07	2.05E-07	1.86E-07	8.48E-08	3.84E-08	0.00E+00	0.00E+00	3.26E-08	6.96E-09	4.42E-08	6.81E-09	2.97E-09	9.35E-08
3979	490863.09	3853877.25	3.02E-04	3.50E-04	1.58E-04	1.05E-07	3.16E-07	1.83E-07	2.12E-07	1.92E-07	8.76E-08	3.96E-08	0.00E+00	0.00E+00	3.37E-08	7.19E-09	4.56E-08	7.04E-09	3.06E-09	9.66E-08
3980	491363.09	3853877.25	3.12E-04	3.61E-04	1.63E-04	1.08E-07	3.26E-07	1.89E-07	2.18E-07	1.98E-07	9.03E-08	4.08E-08	0.00E+00	0.00E+00	3.47E-08	7.41E-09	4.70E-08	7.25E-09	3.16E-09	9.96E-08
3981	491863.09	3853877.25	3.17E-04	3.67E-04	1.66E-04	1.10E-07	3.31E-07	1.92E-07	2.22E-07	2.01E-07	9.18E-08	4.15E-08	0.00E+00	0.00E+00	3.53E-08	7.53E-09	4.78E-08	7.37E-09	3.22E-09	1.01E-07
3982	492363.09	3853877.25	3.29E-04	3.81E-04	1.72E-04	1.14E-07	3.44E-07	1.99E-07	2.30E-07	2.09E-07	9.53E-08	4.31E-08	0.00E+00	0.00E+00	3.66E-08	7.82E-09	4.96E-08	7.65E-09	3.34E-09	1.05E-07
3983	492863.09	3853877.25	3.31E-04	3.82E-04	1.73E-04	1.14E-07	3.45E-07	2.00E-07	2.31E-07	2.10E-07	9.57E-08	4.33E-08	0.00E+00	0.00E+00	3.68E-08	7.85E-09	4.98E-08	7.69E-09	3.35E-09	1.06E-07

3984	493363.09	3853877.25	3.20E-04	3.70E-04	1.67E-04	1.11E-07	3.34E-07	1.93E-07	2.24E-07	2.03E-07	9.25E-08	4.19E-08	0.00E+00	0.00E+00	3.56E-08	7.59E-09	4.82E-08	7.43E-09	3.24E-09	1.02E-07
3985	493863.09	3853877.25	3.04E-04	3.51E-04	1.59E-04	1.05E-07	3.17E-07	1.84E-07	2.12E-07	1.93E-07	8.79E-08	3.98E-08	0.00E+00	0.00E+00	3.38E-08	7.21E-09	4.58E-08	7.06E-09	3.08E-09	9.69E-08
3986	494363.09	3853877.25	2.90E-04	3.35E-04	1.52E-04	1.00E-07	3.03E-07	1.75E-07	2.03E-07	1.84E-07	8.39E-08	3.81E-08	0.00E+00	0.00E+00	3.23E-08	6.89E-09	4.37E-08	6.74E-09	2.95E-09	9.26E-08
3987	494863.09	3853877.25	2.70E-04	3.12E-04	1.42E-04	9.34E-08	2.82E-07	1.63E-07	1.89E-07	1.71E-07	7.81E-08	3.55E-08	0.00E+00	0.00E+00	3.00E-08	6.41E-09	4.07E-08	6.27E-09	2.75E-09	8.61E-08
3988	495363.09	3853877.25	2.32E-04	2.68E-04	1.22E-04	8.03E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.71E-08	3.05E-08	0.00E+00	0.00E+00	2.58E-08	5.51E-09	3.49E-08	5.39E-09	2.36E-09	7.40E-08
3989	495863.09	3853877.25	2.03E-04	2.34E-04	1.07E-04	7.02E-08	2.12E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.67E-08	0.00E+00	0.00E+00	2.26E-08	4.82E-09	3.06E-08	4.71E-09	2.07E-09	6.47E-08
3990	496363.09	3853877.25	1.84E-04	2.13E-04	9.72E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.43E-08	0.00E+00	0.00E+00	2.05E-08	4.38E-09	2.78E-08	4.28E-09	1.88E-09	5.89E-08
3991	496863.09	3853877.25	1.56E-04	1.80E-04	8.24E-05	5.39E-08	1.63E-07	9.42E-08	1.09E-07	9.87E-08	4.50E-08	2.06E-08	0.00E+00	0.00E+00	1.73E-08	3.70E-09	2.35E-08	3.62E-09	1.60E-09	4.97E-08
3992	497363.09	3853877.25	1.33E-04	1.54E-04	7.06E-05	4.61E-08	1.39E-07	8.05E-08	9.30E-08	8.43E-08	3.85E-08	1.77E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.00E-08	3.09E-09	1.37E-09	4.25E-08
3993	497863.09	3853877.25	1.06E-04	1.22E-04	5.62E-05	3.65E-08	1.10E-07	6.39E-08	7.37E-08	6.68E-08	3.05E-08	1.41E-08	0.00E+00	0.00E+00	1.17E-08	2.50E-09	1.59E-08	2.45E-09	1.09E-09	3.37E-08
3994	498363.09	3853877.25	9.01E-05	1.04E-04	4.82E-05	3.12E-08	9.41E-08	5.45E-08	6.28E-08	5.70E-08	2.60E-08	1.21E-08	0.00E+00	0.00E+00	1.00E-08	2.13E-09	1.35E-08	2.09E-09	9.34E-10	2.87E-08
3995	471363.09	3854377.25	2.97E-05	3.43E-05	1.57E-05	1.03E-08	3.10E-08	1.80E-08	2.08E-08	1.88E-08	8.59E-09	3.94E-09	0.00E+00	0.00E+00	3.31E-09	7.05E-10	4.47E-09	6.90E-10	3.05E-10	9.48E-09
3996	471863.09	3854377.25	3.25E-05	3.75E-05	1.72E-05	1.12E-08	3.40E-08	1.97E-08	2.27E-08	2.06E-08	9.40E-09	4.30E-09	0.00E+00	0.00E+00	3.62E-09	7.71E-10	4.89E-09	7.54E-10	3.33E-10	1.04E-08
3997	472363.09	3854377.25	3.49E-05	4.03E-05	1.85E-05	1.21E-08	3.65E-08	2.11E-08	2.44E-08	2.21E-08	1.01E-08	4.62E-09	0.00E+00	0.00E+00	3.89E-09	8.29E-10	5.26E-09	8.11E-10	3.58E-10	1.11E-08
3998	472863.09	3854377.25	3.71E-05	4.29E-05	1.96E-05	1.28E-08	3.88E-08	2.25E-08	2.59E-08	2.35E-08	1.07E-08	4.91E-09	0.00E+00	0.00E+00	4.13E-09	8.81E-10	5.59E-09	8.62E-10	3.80E-10	1.18E-08
3999	473363.09	3854377.25	4.01E-05	4.64E-05	2.12E-05	1.39E-08	4.19E-08	2.43E-08	2.81E-08	2.54E-08	1.16E-08	5.31E-09	0.00E+00	0.00E+00	4.47E-09	9.52E-10	6.04E-09	9.32E-10	4.11E-10	1.28E-08
4000	473863.09	3854377.25	4.38E-05	5.07E-05	2.32E-05	1.52E-08	4.58E-08	2.65E-08	3.07E-08	2.78E-08	1.27E-08	5.79E-09	0.00E+00	0.00E+00	4.88E-09	1.04E-09	6.60E-09	1.02E-09	4.49E-10	1.40E-08
4001	474363.09	3854377.25	4.77E-05	5.51E-05	2.52E-05	1.65E-08	4.98E-08	2.89E-08	3.33E-08	3.02E-08	1.38E-08	6.30E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.18E-09	1.11E-09	4.88E-10	1.52E-08
4002	474863.09	3854377.25	4.77E-05	5.51E-05	2.52E-05	1.65E-08	4.98E-08	2.89E-08	3.33E-08	3.02E-08	1.38E-08	6.30E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.18E-09	1.11E-09	4.88E-10	1.52E-08
4003	475363.09	3854377.25	4.31E-05	4.98E-05	2.28E-05	1.49E-08	4.50E-08	2.61E-08	3.01E-08	2.73E-08	1.25E-08	5.70E-09	0.00E+00	0.00E+00	4.80E-09	1.02E-09	6.49E-09	1.00E-09	4.41E-10	1.38E-08
4004	475863.09	3854377.25	3.07E-05	3.54E-05	1.63E-05	1.06E-08	3.21E-08	1.86E-08	2.14E-08	1.94E-08	8.87E-09	4.08E-09	0.00E+00	0.00E+00	3.42E-09	7.28E-10	4.62E-09	7.12E-10	3.16E-10	9.79E-09
4005	476363.09	3854377.25	2.80E-05	3.23E-05	1.49E-05	9.68E-09	2.92E-08	1.69E-08	1.95E-08	1.77E-08	8.07E-09	3.73E-09	0.00E+00	0.00E+00	3.11E-09	6.63E-10	4.20E-09	6.48E-10	2.89E-10	8.92E-09
4006	476863.09	3854377.25	2.73E-05	3.15E-05	1.46E-05	9.45E-09	2.85E-08	1.65E-08	1.91E-08	1.73E-08	7.89E-09	3.65E-09	0.00E+00	0.00E+00	3.04E-09	6.47E-10	4.11E-09	6.33E-10	2.82E-10	8.71E-09
4007	477363.09	3854377.25	2.74E-05	3.16E-05	1.46E-05	9.48E-09	2.86E-08	1.66E-08	1.91E-08	1.73E-08	7.91E-09	3.66E-09	0.00E+00	0.00E+00	3.05E-09	6.49E-10	4.12E-09	6.35E-10	2.83E-10	8.74E-09
4008	477863.09	3854377.25	2.83E-05	3.26E-05	1.51E-05	9.79E-09	2.96E-08	1.71E-08	1.97E-08	1.79E-08	8.17E-09	3.78E-09	0.00E+00	0.00E+00	3.15E-09	6.70E-10	4.25E-09	6.56E-10	2.93E-10	9.02E-09
4009	478363.09	3854377.25	3.35E-05	3.86E-05	1.78E-05	1.16E-08	3.50E-08	2.02E-08	2.34E-08	2.12E-08	9.67E-09	4.45E-09	0.00E+00	0.00E+00	3.72E-09	7.93E-10	5.03E-09	7.76E-10	3.45E-10	1.07E-08
4010	478863.09	3854377.25	3.70E-05	4.28E-05	1.97E-05	1.28E-08	3.87E-08	2.24E-08	2.59E-08	2.35E-08	1.07E-08	4.92E-09	0.00E+00	0.00E+00	4.12E-09	8.78E-10	5.57E-09	8.60E-10	3.81E-10	1.18E-08
4011	479363.09	3854377.25	5.76E-05	6.66E-05	3.04E-05	1.99E-08	6.02E-08	3.48E-08	4.03E-08	3.65E-08	1.67E-08	7.60E-09	0.00E+00	0.00E+00	6.41E-09	1.37E-09	8.67E-09	1.34E-09	5.88E-10	1.84E-08
4012	479863.09	3854377.25	7.64E-05	8.83E-05	4.01E-05	2.64E-08	7.98E-08	4.62E-08	5.34E-08	4.84E-08	2.21E-08	1.00E-08	0.00E+00	0.00E+00	8.50E-09	1.81E-09	1.15E-08	1.77E-09	7.78E-10	2.44E-08
4013	480363.09	3854377.25	1.07E-04	1.23E-04	5.58E-05	3.69E-08	1.11E-07	6.44E-08	7.46E-08	6.76E-08	3.08E-08	1.40E-08	0.00E+00	0.00E+00	1.19E-08	2.53E-09	1.61E-08	2.48E-09	1.08E-09	3.40E-08
4014	480863.09	3854377.25	1.57E-04	1.82E-04	8.23E-05	5.45E-08	1.65E-07	9.53E-08	1.10E-07	9.99E-08	4.56E-08	2.06E-08	0.00E+00	0.00E+00	1.75E-08	3.74E-09	2.37E-08	3.66E-09	1.59E-09	5.03E-08
4015	481363.09	3854377.25	2.00E-04	2.32E-04	1.05E-04	6.94E-08	2.10E-07	1.21E-07	1.40E-07	1.27E-07	5.81E-08	2.62E-08	0.00E+00	0.00E+00	2.23E-08	4.77E-09	3.02E-08	4.66E-09	2.03E-09	6.40E-08
4016	481863.09	3854377.25	2.28E-04	2.64E-04	1.19E-04	7.90E-08	2.38E-07	1.38E-07	1.60E-07	1.45E-07	6.61E-08	2.98E-08	0.00E+00	0.00E+00	2.54E-08	5.42E-09	3.44E-08	5.31E-09	2.31E-09	7.29E-08
4017	482363.09	3854377.25	2.64E-04	3.05E-04	1.38E-04	9.12E-08	2.75E-07	1.59E-07	1.85E-07	1.67E-07	7.63E-08	3.44E-08	0.00E+00	0.00E+00	2.93E-08	6.26E-09	3.97E-08	6.13E-09	2.67E-09	8.41E-08
4018	482863.09	3854377.25	3.29E-04	3.81E-04	1.72E-04	1.14E-07	3.44E-07	1.99E-07	2.30E-07	2.09E-07	9.52E-08	4.30E-08	0.00E+00	0.00E+00	3.66E-08	7.82E-09	4.96E-08	7.65E-09	3.33E-09	1.05E-07
4019	483363.09	3854377.25	3.99E-04	4.62E-04	2.08E-04	1.38E-07	4.17E-07	2.41E-07	2.79E-07	2.53E-07	1.16E-07	5.21E-08	0.00E+00	0.00E+00	4.44E-08	9.48E-09	6.02E-08	9.28E-09	4.03E-09	1.27E-07
4020	483863.09	3854377.25	4.80E-04	5.55E-04	2.50E-04	1.66E-07	5.01E-07	2.90E-07	3.36E-07	3.05E-07	1.39E-07	6.27E-08	0.00E+00	0.00E+00	5.34E-08	1.14E-08	7.24E-08	1.12E-08	4.85E-09	1.53E-07
4021	484363.09	3854377.25	3.40E-04	3.93E-04	1.78E-04	1.18E-07	3.55E-07	2.06E-07	2.38E-07	2.16E-07	9.84E-08	4.45E-08	0.00E+00	0.00E+00	3.78E-08	8.08E-09	5.12E-08	7.90E-09	3.45E-09	1.08E-07
4022	484863.09	3854377.25	1.80E-04	2.08E-04	9.49E-05	6.24E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.22E-08	2.37E-08	0.00E+00	0.00E+00	2.01E-08	4.28E-09	2.72E-08	4.19E-09	1.84E-09	5.75E-08
4023	485363.09	3854377.25	2.14E-04	2.48E-04	1.13E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.21E-08	2.82E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.18E-09	6.85E-08
4024	485863.09	3854377.25	1.88E-04	2.18E-04	9.90E-05	6.51E-08	1.97E-07	1.14E-07	1.32E-07	1.19E-07	5.45E-08	2.48E-08	0.00E+00	0.00E+00	2.09E-08	4.47E-09	2.84E-08	4.37E-09	1.92E-09	6.01E-08
4025	486363.09	3854377.25	2.59E-04	2.99E-04	1.36E-04	8.96E-08	2.70E-07	1.57E-07	1.81E-07	1.64E-07	7.49E-08	3.39E-08	0.00E+00	0.00E+00	2.88E-08	6.15E-09	3.90E-08	6.02E-09	2.63E-09	8.26E-08
4026	486863.09	3854377.25	2.97E-04	3.43E-04	1.56E-04	1.03E-07	3.10E-07	1.80E-07	2.08E-07	1.88E-07	8.60E-08	3.89E-08	0.00E+00	0.00E+00	3.30E-08	7.05E-09	4.48E-08	6.90E-09	3.01E-09	9.48E-08
4027	487363.09	3854377.25	3.62E-04	4.19E-04	1.89E-04	1.25E-07	3.78E-07	2.19E-07	2.53E-07	2.30E-07	1.05E-07	4.74E-08	0.00E+00	0.00E+00	4.03E-08	8.60E-09	5.46E-08	8.42E-09	3.67E-09	1.16E-07
4028	487863.09	3854377.25	4.39E-04	5.08E-04	2.29E-04	1.52E-07	4.59E-07	2.66E-07	3.07E-07	2.79E-07	1.27E-07	5.74E-08	0.00E+00	0.00E+00	4.89E-08	1.04E-08	6.62E-08	1.02E-08	4.44E-09	1.40E-07
4029	488363.09	3854377.25	4.88E-04	5.65E-04	2.55E-04	1.69E-07	5.10E-07	2.95E-07	3.42E-07	3.10E-07	1.41E-07	6.38E-08	0.00E+00	0.00E+00	5.44E-08	1.16E-08	7.37E-08	1.14E-08	4.94E-09	1.56E-07
4030	488863.09	3854377.25	5.21E-04	6.03E-04	2.72E-04	1.80E-07	5.45E-07	3.15E-07	3.65E-07	3.31E-07	1.51E-07	6.81E-08	0.00E+00	0.00E+00	5.80E-08	1.24E-08	7.86E-08	1.21E-08	5.27E-09	1.66E-07
4031	489363.09	3854377.25	5.33E-04	6.17E-04	2.78E-04	1.84E-07	5.57E-07	3.22E-07	3.73E-07	3.38E-07	1.54E-07	6.96E-08	0.00E+00	0.00E+00	5.93E-08	1.27E-08	8.04E-08	1.24E-08	5.39E-09	1.70E-07
4032	489863.09	3854377.25	5.28E-04	6.12E-04	2.76E-04	1.83E-07	5.52E-07	3.20E-07	3.70E-07	3.35E-07	1.53E-07	6.91E-08	0.00E+00	0.00E+00	5.88E-08	1.26E-08	7.97E-08	1.23E-08	5.35E-09	1.69E-07
4033	490363.09	3854377.25	5.13E-04	5.94E-04	2.68E-04	1.78E-07	5.36E-07	3.10E-07	3.59E-07	3.26E-07	1.49E-07	6.70E-08	0.00E+00	0.00E+00	5.71E-08	1.22E-08	7.74E-08	1.19E-08	5.19E-09	1.64E-07
4034	490863.09	3854377.25	4.26E-04	4.93E-04	2.22E-04	1.47E-07	4.45E-07	2.58E-07	2.98E-07	2.70E-07	1.23E-07	5.56E-08	0.00E+00	0.00E+00	4.74E-08	1.01E-08	6.42E-08	9.90E-09	4.31E-09	1.36E-07
4035	491363.09	3854377.25	4.62E-04	5.34E-04	2.41E-04	1.60E-07	4.82E-07	2.79E-07	3.23E-07	2.93E-07	1.34E-07	6.04E-08	0.00E+00	0.00E+00	5.14E-08	1.10E-08	6.96E-08	1.07E-08	4.68E-09	1.47E-07
4036	491863.09	3854377.25	4.79E-04	5.54E-04	2.50E-04	1.66E-07	5.00E-07	2.90E-07	3.35E-07	3.04E-07	1.39E-07	6.26E-08	0.00E+00	0.00E+00	5.33E-08	1.14E-08	7.22E-08	1.11E-08	4.85E-09	1.53E-07
4037	492363.09	3854377.25	4.72E-04	5.47E-04	2.47E-04	1.64E-07	4.94E-07	2.86E-07	3.31E-07	3.00E-07	1.37E-07	6.18E-08	0.00E+00	0.00E+00	5.26E-08	1.12E-08	7.12E-08	1.10E-08	4.79E-09	1.51E-07
4038	492863.09	3854377.25	4.49E-04	5.20E-04	2.35E-04	1.56E-07	4.70E-07	2.72E-07	3.15E-07	2.85E-07	1.30E-07	5.88E-08	0.00E+00	0.00E+00	5.00E-08	1.07E-08	6.78E-08	1.04E-08	4.55E-09	1.43E-07
4039	493363.09	3854377.25	4.19E-04	4.84E-04	2.19E-04	1.45E-07	4.38E-07	2.53E-07	2.93E-07	2.66E-07	1.21E-07	5.48E-08	0.00E+00	0.00E+00	4.66E-08	9.95E-09	6.31E-08	9.74E-09	4.25E-09	1.34E-07
4040	493863.09	3854377.25	3.88E-04	4.49E-04	2.03E-04	1.34E-07	4.05E-07	2.35E-07	2.71E-07	2.46E-07	1.12E-07	5.09E-08	0.00E+00	0.00E+00	4.32E-08	9.21E-09	5.85E-08	9.02E-09	3.94E-09	1.24E-07
4041	494363.09	3854377.25	3.59E-04	4.15E-04	1.88E-04	1.24E-07	3.75E-07	2.17E-07	2.51E-07	2.28E-07	1.04E-07	4.71E-08	0.00E+00	0.00E+00	4.00E-08	8.53E-09	5.41E-08	8.34E-09	3.65E-09	1.15E-07
4042	494863.09	3854377.25	2.91E-04	3.36E-04	1.53E-04	1.01E-07	3.04E-07	1.76E-07	2.04E-07	1.85E-07	8.42E-08	3.83E-08	0.00E+00	0.00E+00	3.24E-08	6.91E-09	4.38E-08	6.76E-09	2.96E-09	9.29E-08
4043	495363.09	3854377.25	2.28E-04	2.64E-04	1.20E-04	7.90E-08	2.39E-07	1.38E-07	1.60E-07	1.45E-07	6.60E-08	3.01E-08	0.00E+00	0.00E+00	2.54E-08	5.42E-09	3.44E-08	5.30E-09	2.33E-09	7.28E-08
4044	495863.09	3854377.25	1.90E-04	2.20E-04	1.01E-04	6.59E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.52E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.42E-09	1.95E-09	6.07E-08
4045	496363.09	3854377.25	1.71E-04	1.98E-04	9.07E-05	5.93E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.96E-08	2.27E-08	0.00E+00	0.00E+00	1.91E-08	4.07E-09	2.58E-08	3.98E-09	1.76E-09	5.47E-08
4046	496863.09	3854377.25	1.49E-04	1.72E-04	7.89E-05	5.15E-08	1.55E-07	9.00E-08	1.04E-07	9.42E-08	4.30E-08	1.97E-08	0.00E+00	0.00E+00	1.66E-08	3.53E-09	2.24E-08	3.45E-09	1.53E-09	4.74E-08
4047	497363.09	3854377.25	1.17E-04	1.35E-04	6.26E-05	4.06E-08	1.23E-07	7.10E-08	8.20E-08	7.43E-08	3.39E-08	1.57E-08	0.00E+00	0.00E+00	1.31E-08	2.78E-09	1.77E-08	2.72E-09	1.21E-09	3.74E-08
4048	497863.09	3854377.25	1.19E-04	1.37E-04	6.33E-05	4.11E-08	1.24E-07	7.18E-08	8.29E-08	7.51E-08	3.43E-08	1.58E-08	0.00E+00	0.00E+00	1.32E-08	2.81E-09	1.78E-08	2.75E-09	1.23E-09	3.78E-08
4049	498363.09	3854377.25	1.02E-04	1.18E-04	5.46E-05	3.53E-08	1.07E-07	6.17E-08	7.12E-08	6.45E-08	2.94E-08	1.37E-08	0.00E+00	0.00E+00	1.14E-08	2.42E-09	1.53E-08	2.36E-09	1.06E-09	3.25E-08
4050	471363.09	3854877.25	3.12E-05	3.60E-05	1.65E-05	1.08E-08	3.26E-08	1.89E-08	2.18E-08	1.97E-08	9.01E-09	4.12E-09	0.00E+00	0.00E+00	3.47E-09	7.39E-10	4.69E-09	7.23E-10	3.19E-10	9.94E-09
4051	471863.09	3854877.25	3.35E-05	3.87E-05	1.77E-05	1.16E-08	3.50E-08	2.02E-08	2.34E-08	2.12E-08	9.68E-09	4.43E-09	0.00E+00	0.00E+00	3.72E-09	7.94E-10	5.04E-09	7.77E-10	3.43E-10	1.07E-08
4052	472363.09	3854877.25	3.56E-05	4.11E-05	1.88E-05	1.23E-08	3.72E-08	2.15E-08	2.49E-08	2.25E-08	1.03E-08	4.70E-09	0.00E+00	0.00E+00	3.96E-09	8.44E-10	5.35E-09	8.25E-10	3.64E-10	1.13E-08
4053	472863.09	3854877.25	3.68E-05	4.25E-05	1.94E-05	1.27E-08	3.85E-08	2.23E-08	2.57E-08	2.33E-08	1.06E-08	4.87E-09	0.00E+00	0.00E+00	4.10E-09	8.73E-10	5.54E-09	8.54E-10	3.77E-10	1.17E-08
4054	473363.09	3854877.25	4.00E-05	4.63E-05	2.11E-05	1.39E-08	4.18E-08	2.42E-08	2.80E-08	2.54E-08	1.16E-08	5.29E-09	0.00E+00	0.00E+00	4.46E-09	9.50E-10	6.03E-09	9.30E-10	4.10E-10	1.28E-08
4055	473863.09	3854877.25	4.33E-05	5.00E-05	2.28E-05	1.50E-08	4.52E-08	2.62E-08	3.03E-08	2.74E-08	1.25E-08	5.72E-09	0.00E+00	0.00E+00	4.82E-09	1.03E-09	6.52E-09	1.00E-09	4.43E-10	1.38E-08
4056	474363.09	3854877.25	4.76E-05	5.50E-05	2.51E-05	1.65E-08	4.97E-08	2.88E-08	3.33E-08	3.02E-08	1.38E-08	6.29E-09	0.00E+00	0.00E+00	5.30E-09	1.13E-09	7.17E-09	1.11E-09	4.87E-10	1.52E-08
4057	474863.09	3854877.25	4.30E-05	4.97E-05	2.27E-05	1.49E-08	4.49E-08	2.60E-08	3.00E-08	2.72E-08	1.24E-08	5.69E-09	0.00E+00	0.00E+00	4.78E-09	1.02E-09	6.47E-09	9.98E-10	4.41E-10	1.37E-08
4058	475363.09	3854877.25	3.51E-05	4.06E-05	1.86E-05	1.22E-08	3.67E-08	2.13E-08	2.46E-08	2.23E-08	1.02E-08	4.67E-09	0.00E+00	0.00E+00	3.91E-09	8.34E-10	5.29E-09	8.16E-10	3.61E-10	1.12E-08
4059	475863.09	3854877.25	2.72E-05	3.14E-05	1.45E-05	9.42E-09	2.85E-08	1.65E-08	1.90E-08	1.72E-08	7.86E-09	3.64E-09	0.00E+00	0.00E+00	3.03E-09	6.45E-10	4.09E-09	6.31E-10	2.81E-10	8.68E-09
4060	476363.09	3854877.25	1.85E-05	2.13E-05	9.99E-06	6.40E-09	1.93E-08	1.12E-08	1.29E-08	1.17E-08	5.33E-09	2.50E-09	0.00E+00	0.00E+00	2.06E-09	4.37E-10	2.77E-09	4.28E-10	1.94E-10	5.89E-09
4061	476863.09	3854877.25	1.87E-05	2.15E-05	1.01E-05	6.46E-09	1.95E-08	1.13E-08	1.30E-08	1.18E-08	5.38E-09	2.53E-09	0.00E+00	0.00E+00	2.08E-09	4.41E-10	2.80E-09	4.32E-10	1.96E-10	5.95E-09
4062	477363.09	3854877.25	2.27E-05	2.61E-05	1.22E-05	7.85E-09	2.37E-08	1.37E-08	1.58E-08	1.43E-08	6.54E-09	3.05E-09	0.00E+00	0.00E+00	2.52E-09	5.36E-10	3.40E-09	5.25E-10	2.36E-10	7.23E-09
4063	477863.09	3854877.25	2.66E-05	3.07E-05	1.43E-05	9.22E-09	2.78E-08	1.61E-08	1.86E-08	1.68E-08	7.69E-09	3.57E-09	0.00E+00	0.00E+00	2.97E-09	6.31E-10	4.00E-09	6.17E-10	2.77E-10	8.49E-09
4064	478363.09	3854877.25	3.58E-05	4.13E-05	1.90E-05	1.24E-08	3.74E-08	2.16E-08	2.50E-08	2.26E-08	1.03E-08	4.76E-09	0.00E+00	0.00E+00	3.98E-09	8.48E-10	5.38E-09	8.30E-10	3.69E-10	1.14E-08
4065	478863.09	3854877.25	5.06E-05	5.85E-05	2.68E-05	1.75E-08	5.29E-08	3.06E-08	3.54E-08	3.21E-08	1.46E-08	6.71E-09	0.00E+00	0.00E+00	5.64E-09	1.20E-09	7.62E-09	1.18E-09	5.19E-10	1.62E-08
4066	479363.09	3854877.25	7.46E-05	8.63E-05	3.93E-05	2.58E-08	7.80E-08	4.52E-08	5.22E-08	4.73E-08	2.16E-08	9.84E-09	0.00E+00	0.00E+00	8.31E-09	1.77E-09	1.12E-08	1.73E-09	7.62E-10	2.38E-08
4067	479863.09	3854877.25	1.08E-04	1.25E-04	5.69E-05	3.75E-08	1.13E-07	6.56E-08	7.59E-08	6.88E-08	3.14E-08	1.42E-08	0.00E+00	0.00E+00	1.21E-08	2.58E-09	1.63E-08	2.52E-09	1.10E-09	3.46E-08
4068	480363.09	3854877.25	1.44E-04	1.67E-04	7.54E-05	4.98E-08	1.50E-07	8.71E-08	1.01E-07	9.14E-08	4.17E-08	1.89E-08	0.00E+00	0.00E+00	1.60E-08	3.42E-09	2.17E-08	3.35E-09	1.46E-09	4.60E-08
4069	480863.09	3854877.25	1.99E-04	2.30E-04	1.04E-04	6.89E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.76E-08	2.60E-08	0.00E+00	0.00E+00	2.21E-08	4.73E-09	3.00E-08	4.63E-09	2.02E-09	6.35E-08
4070	481363.09	3854877.25	2.42E-04	2.80E-04	1.26E-04	8.37E-08	2.53E-07	1.46E-07	1.69E-07	1.53E-07	7.00E-08	3.16E-08	0.00E+00	0.00E+00	2.69E-08	5.75E-09	3.65E-08	5.62E-09	2.45E-09	7.72E-08
4071	481863.09	3854877.25	2.68E-04	3.11E-04	1.40E-04	9.29E-08	2.81E-07	1.62E-07	1.88E-07	1.70E-07	7.78E-08	3.51E-08	0.00E+00	0.00E+00	2.99E-08	6.38E-09	4.05E-08	6.24E-09	2.72E-09	8.57E-08
4072	482363.09	3854877.25	3.40E-04	3.93E-04	1.77E-04	1.18E-07	3.55E-07	2.05E-07	2.38E-07	2.16E-07	9.83E-08	4.44E-08	0.00E+00	0.00E+00	3.78E-08	8.07E-09	5.12E-08	7.90E-09	3.44E-09	1.08E-07
4073	482863.09	3854877.25	4.38E-04	5.07E-04	2.30E-04	1.52E-07	4.58E-07	2.65E-07	3.06E-07	2.78E-07	1.27E-07	5.76E-08	0.00E+00	0.00E+00	4.88E-08	1.04E-08	6.60E-08	1.02E-08	4.46E-09	1.40E-07
4074	483363.09	3854877.25	5.96E-04	6.88E-04	3.18E-04	2.06E-07	6.23E-07	3.61E-07	4.16E-07	3.77E-07	1.72E-07	7.95E-08	0.00E+00	0.00E+00	6.64E-08	1.41E-08	8.97E-08	1.38E-08	6.16E-09	1.90E-07
4075	483863.09	3854877.25	8.79E-04	1.02E-03	4.60E-04	3.04E-07	9.18E-07	5.32E-07	6.15E-07	5.57E-07	2.54E-07	1.15E-07	0.00E+00	0.00E+00	9.78E-08	2.09E-08	1.32E-07	2.04E-08	8.92E-09	2.80E-07
4076	484363.09	3854877.25	1.06E-03	1.23E-03	5.55E-04	3.68E-07	1.11E-06	6.43E-07	7.45E-07	6.75E-07	3.08E-07	1.39E-07	0.00E+00	0.00E+00	1.18E-07	2.53E-08	1.60E-07	2.47E-08	1.07E-08	3.40E-07
4077	484863.09	3854877.25	8.86E-04	1.03E-03	4.62E-04	3.07E-07	9.27E-07	5.36E-07	6.21E-07	5.63E-07	2.57E-07	1.16E-07	0.00E+00	0.00E+00	9.87E-08	2.11E-08	1.34E-07	2.06E-08	8.95E-09	2.83E-07
4078	485363.09	3854877.25	1.05E-03	1.22E-03	5.49E-04	3.65E-07	1.10E-06	6.38E-07	7.39E-07	6.70E-07	3.06E-07	1.38E-07	0.00E+00	0.00E+00	1.17E-07	2.51E-08	1.59E-07	2.45E-08	1.06E-08	3.37E-07
4079	485863.09	3854877.25	1.08E-03	1.25E-03	5.60E-04	3.72E-07	1.12E-06	6.51E-07	7.53E-07	6.83E-07	3.12E-07	1.40E-07	0.00E+00	0.00E+00	1.20E-07	2.56E-08	1.62E-07	2.50E-08	1.09E-08	3.43E-07
4080	486363.09	3854877.25	1.00E-03	1.16E-03	5.23E-04	3.47E-07	1.05E-06	6.07E-07	7.03E-07	6.37E-07	2.91E-07	1.31E-07	0.00E+00	0.00E+00	1.12E-07	2.38E-08	1.51E-07	2.33E-08	1.01E-08	3.20E-07
4081	486863.09	3854877.25	9.40E-04	1.09E-03	4.90E-04	3.26E-07	9.83E-07	5.69E-07	6.59E-07	5.97E-07	2.72E-07	1.23E-07	0.00E+00	0.00E+00	1.05E-07	2.24E-08	1.42E-07	2.19E-08	9.50E-09	3.00E-07
4082	487363.09	3854877.25	9.78E-04	1.13E-03	5.10E-04	3.39E-07	1.02E-06	5.92E-07	6.85E-07	6.21E-07	2.83E-07	1.28E-07	0.00E+00	0.00E+00	1.09E-07	2.33E-08	1.48E-07	2.28E-08	9.88E-09	3.12E-07
4083	487863.09	3854877.25	9.94E-04	1.15E-03	5.18E-04	3.44E-07	1.04E-06	6.01E-07	6.96E-07	6.31E-07	2.88E-07	1.30E-07	0.00E+00	0.00E+00	1.11E-07	2.36E-08	1.50E-07	2.31E-08	1.00E-08	3.17E-07
4084	488363.09	3854877.25	9.96E-04	1.15E-03	5.19E-04	3.45E-07	1.04E-06	6.03E-07	6.98E-07	6.33E-07	2.89E-07	1.30E-07	0.00E+00	0.00E+00	1.11E-07	2.37E-08	1.50E-07	2.32E-08	1.01E-08	3.18E-07
4085	488863.09	3854877.25	9.89E-04	1.15E-03	5.15E-04	3.42E-07	1.03E-06	5.98E-07	6.93E-07	6.28E-07	2.87E-07	1.29E-07	0.00E+00	0.00E+00	1.10E-07	2.35E-08	1.49E-07	2.30E-08	9.99E-09	3.16E-07
4086	489363.09	3854877.25	9.40E-04	1.09E-03	4.90E-04	3.25E-07	9.82E-07	5.69E-07	6.58E-07	5.97E-07	2.72E-07	1.23E-07	0.00E+00	0.00E+00	1.05E-07	2.23E-08	1.42E-07	2.19E-08	9.49E-09	3.00E-07
4087	489863.09	3854877.25	8.53E-04	9.88E-04	4.45E-04	2.95E-07	8.92E-07	5.16E-07	5.98E-07	5.42E-07	2.47E-07	1.11E-07	0.00E+00	0.00E+00	9.50E-08	2.03E-08	1.29E-07	1.99E-08	8.62E-09	2.72E-07
4088	490363.09	3854877.25	6.40E-04	7.40E-04	3.34E-04	2.21E-07	6.69E-07	3.87E-07	4.48E-07	4.06E-07	1.85E-07	8.35E-08	0.00E+00	0.00E+00	7.12E-08	1.52E-08	9.65E-08	1.49E-08	6.47E-09	2.04E-07

4089	490863.09	3854877.25	4.49E-04	5.20E-04	2.35E-04	1.56E-07	4.70E-07	2.72E-07	3.15E-07	2.85E-07	1.30E-07	5.88E-08	0.00E+00	0.00E+00	5.00E-08	1.07E-08	6.78E-08	1.05E-08	4.55E-09	1.43E-07
4090	491363.09	3854877.25	4.76E-04	5.50E-04	2.49E-04	1.65E-07	4.97E-07	2.88E-07	3.33E-07	3.02E-07	1.38E-07	6.22E-08	0.00E+00	0.00E+00	5.29E-08	1.13E-08	7.17E-08	1.11E-08	4.82E-09	1.52E-07
4091	491863.09	3854877.25	6.54E-04	7.57E-04	3.42E-04	2.26E-07	6.84E-07	3.96E-07	4.58E-07	4.15E-07	1.89E-07	8.55E-08	0.00E+00	0.00E+00	7.28E-08	1.55E-08	9.86E-08	1.52E-08	6.62E-09	2.09E-07
4092	492363.09	3854877.25	6.23E-04	7.22E-04	3.26E-04	2.16E-07	6.52E-07	3.77E-07	4.37E-07	3.96E-07	1.81E-07	8.15E-08	0.00E+00	0.00E+00	6.94E-08	1.48E-08	9.40E-08	1.45E-08	6.31E-09	1.99E-07
4093	492863.09	3854877.25	5.73E-04	6.63E-04	3.00E-04	1.98E-07	5.99E-07	3.47E-07	4.01E-07	3.63E-07	1.66E-07	7.50E-08	0.00E+00	0.00E+00	6.37E-08	1.36E-08	8.64E-08	1.33E-08	5.81E-09	1.83E-07
4094	493363.09	3854877.25	5.18E-04	5.99E-04	2.71E-04	1.79E-07	5.42E-07	3.14E-07	3.63E-07	3.29E-07	1.50E-07	6.79E-08	0.00E+00	0.00E+00	5.77E-08	1.23E-08	7.81E-08	1.20E-08	5.26E-09	1.65E-07
4095	493863.09	3854877.25	4.73E-04	5.47E-04	2.48E-04	1.64E-07	4.94E-07	2.86E-07	3.31E-07	3.00E-07	1.37E-07	6.20E-08	0.00E+00	0.00E+00	5.26E-08	1.12E-08	7.12E-08	1.10E-08	4.80E-09	1.51E-07
4096	494363.09	3854877.25	3.62E-04	4.19E-04	1.90E-04	1.25E-07	3.79E-07	2.19E-07	2.54E-07	2.30E-07	1.05E-07	4.76E-08	0.00E+00	0.00E+00	4.03E-08	8.61E-09	5.46E-08	8.42E-09	3.69E-09	1.16E-07
4097	494863.09	3854877.25	2.60E-04	3.01E-04	1.37E-04	9.02E-08	2.72E-07	1.58E-07	1.82E-07	1.65E-07	7.54E-08	3.43E-08	0.00E+00	0.00E+00	2.90E-08	6.18E-09	3.92E-08	6.05E-09	2.66E-09	8.31E-08
4098	495363.09	3854877.25	2.04E-04	2.36E-04	1.08E-04	7.07E-08	2.14E-07	1.24E-07	1.43E-07	1.29E-07	5.91E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.85E-09	3.08E-08	4.74E-09	2.09E-09	6.52E-08
4099	495863.09	3854877.25	1.74E-04	2.01E-04	9.21E-05	6.01E-08	1.82E-07	1.05E-07	1.21E-07	1.10E-07	5.02E-08	2.30E-08	0.00E+00	0.00E+00	1.93E-08	4.12E-09	2.61E-08	4.03E-09	1.78E-09	5.54E-08
4100	496363.09	3854877.25	1.39E-04	1.60E-04	7.38E-05	4.79E-08	1.45E-07	8.38E-08	9.67E-08	8.77E-08	4.00E-08	1.85E-08	0.00E+00	0.00E+00	1.54E-08	3.28E-09	2.08E-08	3.21E-09	1.43E-09	4.42E-08
4101	496863.09	3854877.25	1.18E-04	1.36E-04	6.31E-05	4.09E-08	1.23E-07	7.14E-08	8.24E-08	7.47E-08	3.41E-08	1.58E-08	0.00E+00	0.00E+00	1.31E-08	2.80E-09	1.77E-08	2.74E-09	1.22E-09	3.76E-08
4102	497363.09	3854877.25	1.10E-04	1.27E-04	5.90E-05	3.81E-08	1.15E-07	6.67E-08	7.69E-08	6.97E-08	3.18E-08	1.48E-08	0.00E+00	0.00E+00	1.23E-08	2.61E-09	1.66E-08	2.55E-09	1.14E-09	3.51E-08
4103	497863.09	3854877.25	1.17E-04	1.35E-04	6.27E-05	4.06E-08	1.23E-07	7.09E-08	8.18E-08	7.42E-08	3.38E-08	1.57E-08	0.00E+00	0.00E+00	1.30E-08	2.78E-09	1.76E-08	2.72E-09	1.21E-09	3.74E-08
4104	498363.09	3854877.25	1.12E-04	1.29E-04	6.01E-05	3.88E-08	1.17E-07	6.79E-08	7.83E-08	7.09E-08	3.24E-08	1.50E-08	0.00E+00	0.00E+00	1.25E-08	2.66E-09	1.69E-08	2.60E-09	1.16E-09	3.58E-08
4105	471363.09	3855377.25	3.20E-05	3.70E-05	1.69E-05	1.11E-08	3.35E-08	1.94E-08	2.24E-08	2.03E-08	9.26E-09	4.24E-09	0.00E+00	0.00E+00	3.57E-09	7.60E-10	4.82E-09	7.44E-10	3.28E-10	1.02E-08
4106	471863.09	3855377.25	3.36E-05	3.89E-05	1.78E-05	1.16E-08	3.52E-08	2.04E-08	2.35E-08	2.13E-08	9.73E-09	4.45E-09	0.00E+00	0.00E+00	3.74E-09	7.98E-10	5.07E-09	7.81E-10	3.44E-10	1.07E-08
4107	472363.09	3855377.25	3.63E-05	4.19E-05	1.92E-05	1.26E-08	3.79E-08	2.20E-08	2.54E-08	2.30E-08	1.05E-08	4.80E-09	0.00E+00	0.00E+00	4.04E-09	8.61E-10	5.46E-09	8.43E-10	3.71E-10	1.16E-08
4108	472863.09	3855377.25	3.81E-05	4.40E-05	2.01E-05	1.32E-08	3.98E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	5.03E-09	0.00E+00	0.00E+00	4.24E-09	9.03E-10	5.73E-09	8.84E-10	3.90E-10	1.21E-08
4109	473363.09	3855377.25	4.17E-05	4.82E-05	2.20E-05	1.45E-08	4.36E-08	2.53E-08	2.92E-08	2.65E-08	1.21E-08	5.51E-09	0.00E+00	0.00E+00	4.65E-09	9.91E-10	6.29E-09	9.70E-10	4.27E-10	1.33E-08
4110	473863.09	3855377.25	4.51E-05	5.22E-05	2.38E-05	1.56E-08	4.72E-08	2.73E-08	3.16E-08	2.86E-08	1.31E-08	5.96E-09	0.00E+00	0.00E+00	5.02E-09	1.07E-09	6.80E-09	1.05E-09	4.61E-10	1.44E-08
4111	474363.09	3855377.25	4.86E-05	5.62E-05	2.57E-05	1.68E-08	5.08E-08	2.94E-08	3.40E-08	3.08E-08	1.41E-08	6.42E-09	0.00E+00	0.00E+00	5.41E-09	1.15E-09	7.32E-09	1.13E-09	4.97E-10	1.55E-08
4112	474863.09	3855377.25	4.42E-05	5.10E-05	2.33E-05	1.53E-08	4.62E-08	2.67E-08	3.09E-08	2.80E-08	1.28E-08	5.84E-09	0.00E+00	0.00E+00	4.92E-09	1.05E-09	6.65E-09	1.03E-09	4.52E-10	1.41E-08
4113	475363.09	3855377.25	2.31E-05	2.66E-05	1.23E-05	7.98E-09	2.41E-08	1.39E-08	1.61E-08	1.46E-08	6.65E-09	3.09E-09	0.00E+00	0.00E+00	2.57E-09	5.46E-10	3.46E-09	5.34E-10	2.39E-10	7.35E-09
4114	475863.09	3855377.25	1.78E-05	2.05E-05	9.61E-06	6.17E-09	1.86E-08	1.08E-08	1.24E-08	1.13E-08	5.13E-09	2.41E-09	0.00E+00	0.00E+00	1.98E-09	4.21E-10	2.67E-09	4.12E-10	1.86E-10	5.68E-09
4115	476363.09	3855377.25	2.11E-05	2.43E-05	1.13E-05	7.30E-09	2.20E-08	1.28E-08	1.47E-08	1.33E-08	6.08E-09	2.84E-09	0.00E+00	0.00E+00	2.35E-09	4.99E-10	3.17E-09	4.88E-10	2.20E-10	6.72E-09
4116	476863.09	3855377.25	2.11E-05	2.43E-05	1.14E-05	7.30E-09	2.20E-08	1.28E-08	1.47E-08	1.33E-08	6.08E-09	2.84E-09	0.00E+00	0.00E+00	2.35E-09	4.99E-10	3.17E-09	4.88E-10	2.20E-10	6.72E-09
4117	477363.09	3855377.25	2.37E-05	2.73E-05	1.27E-05	8.21E-09	2.48E-08	1.43E-08	1.65E-08	1.50E-08	6.84E-09	3.19E-09	0.00E+00	0.00E+00	2.64E-09	5.61E-10	3.56E-09	5.49E-10	2.47E-10	7.56E-09
4118	477863.09	3855377.25	3.09E-05	3.57E-05	1.65E-05	1.07E-08	3.23E-08	1.87E-08	2.16E-08	1.96E-08	8.93E-09	4.14E-09	0.00E+00	0.00E+00	3.44E-09	7.33E-10	4.65E-09	7.17E-10	3.20E-10	9.87E-09
4119	478363.09	3855377.25	4.05E-05	4.67E-05	2.15E-05	1.40E-08	4.23E-08	2.45E-08	2.83E-08	2.56E-08	1.17E-08	5.38E-09	0.00E+00	0.00E+00	4.50E-09	9.59E-10	6.09E-09	9.38E-10	4.17E-10	1.29E-08
4120	478863.09	3855377.25	5.21E-05	6.01E-05	2.76E-05	1.80E-08	5.44E-08	3.15E-08	3.64E-08	3.30E-08	1.51E-08	6.90E-09	0.00E+00	0.00E+00	5.80E-09	1.24E-09	7.84E-09	1.21E-09	5.34E-10	1.66E-08
4121	479363.09	3855377.25	7.25E-05	8.37E-05	3.82E-05	2.51E-08	7.57E-08	4.38E-08	5.07E-08	4.59E-08	2.10E-08	9.56E-09	0.00E+00	0.00E+00	8.07E-09	1.72E-09	1.09E-08	1.68E-09	7.40E-10	2.31E-08
4122	479863.09	3855377.25	9.64E-05	1.11E-04	5.07E-05	3.34E-08	1.01E-07	5.83E-08	6.74E-08	6.11E-08	2.79E-08	1.27E-08	0.00E+00	0.00E+00	1.07E-08	2.29E-09	1.45E-08	2.24E-09	9.82E-10	3.08E-08
4123	480363.09	3855377.25	1.47E-04	1.69E-04	7.68E-05	5.07E-08	1.53E-07	8.86E-08	1.03E-07	9.30E-08	4.24E-08	1.92E-08	0.00E+00	0.00E+00	1.63E-08	3.48E-09	2.21E-08	3.41E-09	1.49E-09	4.68E-08
4124	480863.09	3855377.25	2.10E-04	2.43E-04	1.10E-04	7.28E-08	2.20E-07	1.27E-07	1.47E-07	1.34E-07	6.09E-08	2.75E-08	0.00E+00	0.00E+00	2.34E-08	5.00E-09	3.17E-08	4.89E-09	2.13E-09	6.72E-08
4125	481363.09	3855377.25	2.71E-04	3.13E-04	1.41E-04	9.37E-08	2.83E-07	1.64E-07	1.89E-07	1.72E-07	7.84E-08	3.54E-08	0.00E+00	0.00E+00	3.01E-08	6.43E-09	4.08E-08	6.29E-09	2.74E-09	8.64E-08
4126	481863.09	3855377.25	3.27E-04	3.78E-04	1.71E-04	1.13E-07	3.41E-07	1.98E-07	2.29E-07	2.07E-07	9.46E-08	4.27E-08	0.00E+00	0.00E+00	3.63E-08	7.76E-09	4.93E-08	7.60E-09	3.31E-09	1.04E-07
4127	482363.09	3855377.25	3.84E-04	4.45E-04	2.01E-04	1.33E-07	4.02E-07	2.33E-07	2.69E-07	2.44E-07	1.11E-07	5.02E-08	0.00E+00	0.00E+00	4.28E-08	9.14E-09	5.80E-08	8.94E-09	3.89E-09	1.23E-07
4128	482863.09	3855377.25	4.96E-04	5.74E-04	2.59E-04	1.72E-07	5.18E-07	3.00E-07	3.47E-07	3.15E-07	1.44E-07	6.48E-08	0.00E+00	0.00E+00	5.52E-08	1.18E-08	7.48E-08	1.15E-08	5.02E-09	1.58E-07
4129	483363.09	3855377.25	6.75E-04	7.81E-04	3.52E-04	2.34E-07	7.06E-07	4.08E-07	4.73E-07	4.29E-07	1.96E-07	8.82E-08	0.00E+00	0.00E+00	7.51E-08	1.60E-08	1.02E-07	1.57E-08	6.83E-09	2.16E-07
4130	483863.09	3855377.25	1.12E-03	1.30E-03	5.86E-04	3.89E-07	1.17E-06	6.80E-07	7.87E-07	7.14E-07	3.26E-07	1.47E-07	0.00E+00	0.00E+00	1.25E-07	2.67E-08	1.70E-07	2.62E-08	1.14E-08	3.59E-07
4131	484363.09	3855377.25	3.25E-03	3.77E-03	1.69E-03	1.13E-06	3.40E-06	1.97E-06	2.28E-06	2.07E-06	9.43E-07	4.24E-07	0.00E+00	0.00E+00	3.62E-07	7.74E-08	4.91E-07	7.58E-08	3.28E-08	1.04E-06
4132	484863.09	3855377.25	3.21E-02	3.72E-02	1.67E-02	1.11E-05	3.36E-05	1.94E-05	2.25E-05	2.04E-05	9.32E-06	4.18E-06	0.00E+00	0.00E+00	3.58E-06	7.64E-07	4.85E-06	7.48E-07	3.24E-07	1.03E-05
4133	485363.09	3855377.25	1.18E-02	1.36E-02	6.11E-03	4.07E-06	1.23E-05	7.11E-06	8.24E-06	7.47E-06	3.41E-06	1.53E-06	0.00E+00	0.00E+00	1.31E-06	2.80E-07	1.77E-06	2.74E-07	1.18E-07	3.75E-06
4134	485863.09	3855377.25	5.61E-03	6.49E-03	2.91E-03	1.94E-06	5.86E-06	3.39E-06	3.93E-06	3.56E-06	1.62E-06	7.29E-07	0.00E+00	0.00E+00	6.24E-07	1.33E-07	8.46E-07	1.30E-07	5.65E-08	1.79E-06
4135	486363.09	3855377.25	3.40E-03	3.93E-03	1.77E-03	1.18E-06	3.55E-06	2.05E-06	2.38E-06	2.16E-06	9.84E-07	4.42E-07	0.00E+00	0.00E+00	3.78E-07	8.08E-08	5.13E-07	7.90E-08	3.42E-08	1.08E-06
4136	486863.09	3855377.25	2.41E-03	2.80E-03	1.26E-03	8.36E-07	2.52E-06	1.46E-06	1.69E-06	1.53E-06	7.00E-07	3.14E-07	0.00E+00	0.00E+00	2.69E-07	5.74E-08	3.64E-07	5.62E-08	2.44E-08	7.71E-07
4137	487363.09	3855377.25	2.17E-03	2.51E-03	1.13E-03	7.51E-07	2.27E-06	1.31E-06	1.52E-06	1.38E-06	6.29E-07	2.83E-07	0.00E+00	0.00E+00	2.42E-07	5.16E-08	3.28E-07	5.05E-08	2.19E-08	6.93E-07
4138	487863.09	3855377.25	1.96E-03	2.27E-03	1.02E-03	6.77E-07	2.05E-06	1.18E-06	1.37E-06	1.24E-06	5.67E-07	2.55E-07	0.00E+00	0.00E+00	2.18E-07	4.65E-08	2.95E-07	4.55E-08	1.97E-08	6.25E-07
4139	488363.09	3855377.25	1.77E-03	2.05E-03	9.23E-04	6.14E-07	1.85E-06	1.07E-06	1.24E-06	1.13E-06	5.14E-07	2.31E-07	0.00E+00	0.00E+00	1.97E-07	4.22E-08	2.67E-07	4.12E-08	1.79E-08	5.66E-07
4140	488863.09	3855377.25	1.60E-03	1.85E-03	8.33E-04	5.54E-07	1.67E-06	9.68E-07	1.12E-06	1.02E-06	4.64E-07	2.08E-07	0.00E+00	0.00E+00	1.78E-07	3.80E-08	2.41E-07	3.72E-08	1.61E-08	5.11E-07
4141	489363.09	3855377.25	1.44E-03	1.66E-03	7.48E-04	4.97E-07	1.50E-06	8.69E-07	1.01E-06	9.12E-07	4.16E-07	1.87E-07	0.00E+00	0.00E+00	1.60E-07	3.41E-08	2.17E-07	3.34E-08	1.45E-08	4.58E-07
4142	489863.09	3855377.25	1.26E-03	1.46E-03	6.59E-04	4.38E-07	1.32E-06	7.65E-07	8.86E-07	8.03E-07	3.66E-07	1.65E-07	0.00E+00	0.00E+00	1.41E-07	3.01E-08	1.91E-07	2.94E-08	1.28E-08	4.04E-07
4143	490363.09	3855377.25	1.15E-03	1.34E-03	6.01E-04	3.99E-07	1.21E-06	6.98E-07	8.08E-07	7.33E-07	3.34E-07	1.50E-07	0.00E+00	0.00E+00	1.28E-07	2.74E-08	1.74E-07	2.68E-08	1.17E-08	3.68E-07
4144	490863.09	3855377.25	7.51E-04	8.69E-04	3.92E-04	2.60E-07	7.85E-07	4.54E-07	5.26E-07	4.77E-07	2.18E-07	9.82E-08	0.00E+00	0.00E+00	8.36E-08	1.79E-08	1.13E-07	1.75E-08	7.60E-09	2.40E-07
4145	491363.09	3855377.25	6.10E-04	7.06E-04	3.19E-04	2.11E-07	6.38E-07	3.69E-07	4.27E-07	3.87E-07	1.77E-07	7.98E-08	0.00E+00	0.00E+00	6.79E-08	1.45E-08	9.21E-08	1.42E-08	6.18E-09	1.95E-07
4146	491863.09	3855377.25	8.16E-04	9.45E-04	4.26E-04	2.83E-07	8.53E-07	4.94E-07	5.72E-07	5.18E-07	2.37E-07	1.07E-07	0.00E+00	0.00E+00	9.09E-08	1.94E-08	1.23E-07	1.90E-08	8.26E-09	2.61E-07
4147	492363.09	3855377.25	7.52E-04	8.71E-04	3.93E-04	2.60E-07	7.86E-07	4.55E-07	5.27E-07	4.78E-07	2.18E-07	9.85E-08	0.00E+00	0.00E+00	8.38E-08	1.79E-08	1.13E-07	1.75E-08	7.62E-09	2.40E-07
4148	492863.09	3855377.25	6.75E-04	7.81E-04	3.53E-04	2.34E-07	7.06E-07	4.08E-07	4.73E-07	4.28E-07	1.95E-07	8.84E-08	0.00E+00	0.00E+00	7.51E-08	1.60E-08	1.02E-07	1.57E-08	6.85E-09	2.16E-07
4149	493363.09	3855377.25	5.80E-04	6.71E-04	3.04E-04	2.01E-07	6.06E-07	3.51E-07	4.06E-07	3.68E-07	1.68E-07	7.61E-08	0.00E+00	0.00E+00	6.46E-08	1.38E-08	8.74E-08	1.35E-08	5.89E-09	1.85E-07
4150	493863.09	3855377.25	4.44E-04	5.14E-04	2.34E-04	1.54E-07	4.64E-07	2.69E-07	3.11E-07	2.82E-07	1.29E-07	5.84E-08	0.00E+00	0.00E+00	4.95E-08	1.06E-08	6.70E-08	1.03E-08	4.53E-09	1.42E-07
4151	494363.09	3855377.25	3.20E-04	3.70E-04	1.68E-04	1.11E-07	3.34E-07	1.94E-07	2.24E-07	2.03E-07	9.25E-08	4.22E-08	0.00E+00	0.00E+00	3.56E-08	7.59E-09	4.82E-08	7.43E-09	3.26E-09	1.02E-07
4152	494863.09	3855377.25	2.29E-04	2.64E-04	1.21E-04	7.92E-08	2.39E-07	1.38E-07	1.60E-07	1.45E-07	6.61E-08	3.03E-08	0.00E+00	0.00E+00	2.55E-08	5.43E-09	3.44E-08	5.31E-09	2.34E-09	7.30E-08
4153	495363.09	3855377.25	1.74E-04	2.01E-04	9.25E-05	6.03E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.03E-08	2.32E-08	0.00E+00	0.00E+00	1.94E-08	4.13E-09	2.62E-08	4.04E-09	1.79E-09	5.55E-08
4154	495863.09	3855377.25	1.40E-04	1.62E-04	7.48E-05	4.85E-08	1.47E-07	8.48E-08	9.78E-08	8.87E-08	4.05E-08	1.87E-08	0.00E+00	0.00E+00	1.56E-08	3.32E-09	2.11E-08	3.25E-09	1.45E-09	4.47E-08
4155	496363.09	3855377.25	1.30E-04	1.50E-04	6.97E-05	4.51E-08	1.36E-07	7.88E-08	9.09E-08	8.24E-08	3.76E-08	1.74E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.02E-09	1.35E-09	4.15E-08
4156	496863.09	3855377.25	1.22E-04	1.41E-04	6.53E-05	4.22E-08	1.27E-07	7.38E-08	8.51E-08	7.71E-08	3.52E-08	1.64E-08	0.00E+00	0.00E+00	1.36E-08	2.89E-09	1.83E-08	2.83E-09	1.27E-09	3.89E-08
4157	497363.09	3855377.25	1.20E-04	1.38E-04	6.42E-05	4.15E-08	1.25E-07	7.25E-08	8.35E-08	7.57E-08	3.46E-08	1.61E-08	0.00E+00	0.00E+00	1.33E-08	2.84E-09	1.80E-08	2.77E-09	1.24E-09	3.82E-08
4158	497863.09	3855377.25	1.22E-04	1.40E-04	6.51E-05	4.21E-08	1.27E-07	7.35E-08	8.48E-08	7.68E-08	3.51E-08	1.63E-08	0.00E+00	0.00E+00	1.35E-08	2.88E-09	1.83E-08	2.82E-09	1.26E-09	3.87E-08
4159	498363.09	3855377.25	1.26E-04	1.45E-04	6.74E-05	4.36E-08	1.32E-07	7.62E-08	8.78E-08	7.96E-08	3.63E-08	1.69E-08	0.00E+00	0.00E+00	1.40E-08	2.98E-09	1.89E-08	2.92E-09	1.31E-09	4.01E-08
4160	471363.09	3855877.25	3.17E-05	3.66E-05	1.68E-05	1.10E-08	3.31E-08	1.92E-08	2.22E-08	2.01E-08	9.17E-09	4.19E-09	0.00E+00	0.00E+00	3.53E-09	7.52E-10	4.77E-09	7.36E-10	3.25E-10	1.01E-08
4161	471863.09	3855877.25	3.33E-05	3.84E-05	1.76E-05	1.15E-08	3.48E-08	2.01E-08	2.33E-08	2.11E-08	9.62E-09	4.40E-09	0.00E+00	0.00E+00	3.70E-09	7.89E-10	5.01E-09	7.72E-10	3.41E-10	1.06E-08
4162	472363.09	3855877.25	3.63E-05	4.19E-05	1.92E-05	1.25E-08	3.79E-08	2.19E-08	2.53E-08	2.30E-08	1.05E-08	4.79E-09	0.00E+00	0.00E+00	4.04E-09	8.60E-10	5.46E-09	8.42E-10	3.71E-10	1.16E-08
4163	472863.09	3855877.25	3.76E-05	4.34E-05	1.98E-05	1.30E-08	3.93E-08	2.27E-08	2.63E-08	2.38E-08	1.09E-08	4.97E-09	0.00E+00	0.00E+00	4.18E-09	8.91E-10	5.66E-09	8.72E-10	3.84E-10	1.20E-08
4164	473363.09	3855877.25	4.15E-05	4.80E-05	2.19E-05	1.44E-08	4.34E-08	2.51E-08	2.90E-08	2.63E-08	1.20E-08	5.49E-09	0.00E+00	0.00E+00	4.62E-09	9.86E-10	6.26E-09	9.65E-10	4.25E-10	1.33E-08
4165	473863.09	3855877.25	4.49E-05	5.19E-05	2.37E-05	1.56E-08	4.70E-08	2.72E-08	3.14E-08	2.85E-08	1.30E-08	5.93E-09	0.00E+00	0.00E+00	5.00E-09	1.07E-09	6.77E-09	1.04E-09	4.59E-10	1.43E-08
4166	474363.09	3855877.25	4.80E-05	5.55E-05	2.54E-05	1.66E-08	5.02E-08	2.90E-08	3.36E-08	3.04E-08	1.39E-08	6.35E-09	0.00E+00	0.00E+00	5.34E-09	1.14E-09	7.23E-09	1.11E-09	4.92E-10	1.53E-08
4167	474863.09	3855877.25	4.16E-05	4.81E-05	2.20E-05	1.44E-08	4.35E-08	2.52E-08	2.91E-08	2.64E-08	1.20E-08	5.51E-09	0.00E+00	0.00E+00	4.64E-09	9.88E-10	6.27E-09	9.67E-10	4.27E-10	1.33E-08
4168	475363.09	3855877.25	2.83E-05	3.27E-05	1.51E-05	9.80E-09	2.96E-08	1.71E-08	1.98E-08	1.79E-08	8.18E-09	3.77E-09	0.00E+00	0.00E+00	3.15E-09	6.71E-10	4.26E-09	6.57E-10	2.92E-10	9.03E-09
4169	475863.09	3855877.25	1.35E-05	1.55E-05	7.34E-06	4.67E-09	1.41E-08	8.17E-09	9.40E-09	8.52E-09	3.89E-09	1.84E-09	0.00E+00	0.00E+00	1.50E-09	3.19E-10	2.02E-09	3.12E-10	1.42E-10	4.30E-09
4170	476363.09	3855877.25	1.45E-05	1.67E-05	7.90E-06	5.03E-09	1.52E-08	8.80E-09	1.01E-08	9.18E-09	4.19E-09	1.98E-09	0.00E+00	0.00E+00	1.62E-09	3.44E-10	2.18E-09	3.36E-10	1.53E-10	4.63E-09
4171	476863.09	3855877.25	2.15E-05	2.47E-05	1.15E-05	7.43E-09	2.24E-08	1.30E-08	1.50E-08	1.36E-08	6.19E-09	2.89E-09	0.00E+00	0.00E+00	2.39E-09	5.08E-10	3.22E-09	4.97E-10	2.23E-10	6.84E-09
4172	477363.09	3855877.25	2.64E-05	3.05E-05	1.41E-05	9.14E-09	2.76E-08	1.60E-08	1.84E-08	1.67E-08	7.62E-09	3.54E-09	0.00E+00	0.00E+00	2.94E-09	6.26E-10	3.97E-09	6.12E-10	2.74E-10	8.42E-09
4173	477863.09	3855877.25	3.23E-05	3.73E-05	1.72E-05	1.12E-08	3.38E-08	1.96E-08	2.26E-08	2.05E-08	9.33E-09	4.31E-09	0.00E+00	0.00E+00	3.60E-09	7.66E-10	4.86E-09	7.49E-10	3.34E-10	1.03E-08
4174	478363.09	3855877.25	4.23E-05	4.88E-05	2.24E-05	1.46E-08	4.42E-08	2.56E-08	2.95E-08	2.68E-08	1.22E-08	5.61E-09	0.00E+00	0.00E+00	4.70E-09	1.00E-09	6.36E-09	9.80E-10	4.35E-10	1.35E-08
4175	478863.09	3855877.25	5.60E-05	6.47E-05	2.96E-05	1.94E-08	5.86E-08	3.39E-08	3.92E-08	3.55E-08	1.62E-08	7.42E-09	0.00E+00	0.00E+00	6.24E-09	1.33E-09	8.44E-09	1.30E-09	5.75E-10	1.79E-08
4176	479363.09	3855877.25	7.85E-05	9.08E-05	4.14E-05	2.72E-08	8.21E-08	4.75E-08	5.49E-08	4.98E-08	2.27E-08	1.04E-08	0.00E+00	0.00E+00	8.74E-09	1.86E-09	1.18E-08	1.82E-09	8.03E-10	2.51E-08
4177	479863.09	3855877.25	1.06E-04	1.23E-04	5.59E-05	3.68E-08	1.11E-07	6.43E-08	7.43E-08	6.74E-08	3.07E-08	1.40E-08	0.00E+00	0.00E+00	1.18E-08	2.52E-09	1.60E-08	2.47E-09	1.08E-09	3.39E-08
4178	480363.09	3855877.25	1.49E-04	1.73E-04	7.84E-05	5.17E-08	1.56E-07	9.04E-08	1.05E-07	9.48E-08	4.33E-08	1.96E-08	0.00E+00	0.00E+00	1.66E-08	3.55E-09	2.25E-08	3.47E-09	1.52E-09	4.77E-08
4179	480863.09	3855877.25	2.07E-04	2.40E-04	1.08E-04	7.17E-08	2.16E-07	1.25E-07	1.45E-07	1.31E-07	6.00E-08	2.71E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.82E-09	2.10E-09	6.61E-08
4180	481363.09	3855877.25	2.43E-04	2.81E-04	1.27E-04	8.42E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.04E-08	3.18E-08	0.00E+00	0.00E+00	2.71E-08	5.78E-09	3.67E-08	5.66E-09	2.47E-09	7.77E-08
4181	481863.09	3855877.25	3.33E-04	3.86E-04	1.74E-04	1.15E-07	3.48E-07	2.02E-07	2.33E-07	2.11E-07	9.65E-08	4.35E-08	0.00E+00	0.00E+00	3.71E-08	7.92E-09	5.02E-08	7.75E-09	3.37E-09	1.06E-07
4182	482363.09	3855877.25	3.91E-04	4.53E-04	2.04E-04	1.35E-07	4.09E-07	2.37E-07	2.74E-07	2.48E-07	1.13E-07	5.12E-08	0.00E+00	0.00E+00	4.36E-08	9.30E-09	5.90E-08	9.10E-09	3.96E-09	1.25E-07
4183	482863.09	3855877.25	5.15E-04	5.96E-04	2.69E-04	1.78E-07	5.38E-07	3.12E-07	3.60E-07	3.27E-07	1.49E-07	6.74E-08	0.00E+00	0.00E+00	5.73E-08	1.22E-08	7.76E-08	1.20E-08	5.22E-09	1.64E-07
4184	483363.09	3855877.25	7.10E-04	8.21E-04	3.72E-04	2.46E-07	7.42E-07	4.29E-07	4.97E-07	4.50E-07	2.06E-07	9.30E-08	0.00E+00	0.00E+00	7.90E-08	1.69E-08	1.07E-07	1.65E-08	7.20E-09	2.27E-07
4185	483863.09	3855877.25	1.02E-03	1.18E-03	5.35E-04	3.54E-07	1.07E-06	6.19E-07	7.16E-07	6.49E-07	2.96E-07	1.34E-07	0.00E+00	0.00E+00	1.14E-07	2.43E-08	1.54E-07	2.38E-08	1.04E-08	3.26E-07
4186	484363.09	3855877.25	1.82E-03	2.10E-03	9.51E-04	6.29E-07	1.90E-06	1.10E-06	1.27E-06	1.15E-06	5.27E-07	2.38E-07	0.00E+00	0.00E+00	2.02E-07	4.32E-08	2.74E-07	4.23E-08	1.84E-08	5.80E-07
4187	484863.09	3855877.25	3.94E-03	4.56E-03	2.05E-03	1.36E-06	4.12E-06	2.38E-06	2.76E-06	2.50E-06	1.14E-06	5.14E-07	0.00E+00	0.00E+00	4.38E-07	9.36E-08	5.94E-07	9.16E-08	3.98E-08	1.26E-06
4188	485363.09	3855877.25	2.94E-02	3.41E-02	1.53E-02	1.02E-05	3.08E-05	1.78E-05	2.06E-05	1.87E-05	8.53E-06	3.83E-06	0.00E+00	0.00E+00	3.28E-06	7.00E-07	4.44E-06	6.85E-07	2.96E-07	9.40E-06
4189	485863.09	3855877.25	1.86E-02	2.15E-02	9.64E-03	6.42E-06	1.94E-05	1.12E-05	1.30E-05	1.18E-05	5.38E-06	2.41E-06	0.00E+00	0.00E+00	2.07E-06	4.41E-07	2.80E-06	4.32E-07	1.87E-07	5.93E-06
4190	486363.09	3855877.25	7.54E-03	8.73E-03	3.92E-03	2.61E-06	7.88E-06	4.56E-06	5.28E-06	4.79E-06	2.18E-06	9.81E-07	0.00E+00	0.00E+00	8.39E-07	1.79E-07	1.14E-06	1.75E-07	7.59E-08	2.41E-06
4191	486863.09	3855877.25	4.86E-03	5.63E-03	2.53E-03	1.68E-06	5.08E-06	2.94E-06	3.40E-06	3.09E-06	1.41E-06	6.32E-07	0.00E+00	0.00E+00	5.41E-07	1.16E-07	7.33E-07	1.13E-07	4.90E-08	1.55E-06
4192	487363.09	3855877.25	3.90E-03	4.51E-03	2.03E-03	1.35E-06	4.07E-06	2.36E-06	2.73E-06	2.47E-06	1.13E-06	5.07E-07	0.00E+00	0.00E+00	4.34E-07	9.27E-08	5.88E-07	9.07E-08	3.93E-08	1.24E-06
4193	487863.09	3855877.25	3.22E-03	3.73E-03	1.67E-03	1.11E-06	3.36E-06	1.95E-06	2.26E-06	2.04E-06	9.33E-07	4.19E-07	0.00E+00	0.00E+00	3.58E-07	7.66E-08	4.86E-07	7.49E-08	3.25E-08	1.03E-06

4194	488363.09	3855877.25	2.68E-03	3.10E-03	1.39E-03	9.27E-07	2.80E-06	1.62E-06	1.88E-06	1.70E-06	7.76E-07	3.49E-07	0.00E+00	0.00E+00	2.98E-07	6.37E-08	4.04E-07	6.23E-08	2.70E-08	8.55E-07
4195	488863.09	3855877.25	2.27E-03	2.63E-03	1.18E-03	7.86E-07	2.37E-06	1.37E-06	1.59E-06	1.44E-06	6.58E-07	2.96E-07	0.00E+00	0.00E+00	2.53E-07	5.40E-08	3.43E-07	5.28E-08	2.29E-08	7.25E-07
4196	489363.09	3855877.25	1.93E-03	2.23E-03	1.00E-03	6.68E-07	2.02E-06	1.17E-06	1.35E-06	1.23E-06	5.59E-07	2.51E-07	0.00E+00	0.00E+00	2.15E-07	4.59E-08	2.91E-07	4.49E-08	1.95E-08	6.16E-07
4197	489863.09	3855877.25	1.65E-03	1.91E-03	8.60E-04	5.71E-07	1.73E-06	9.99E-07	1.16E-06	1.05E-06	4.78E-07	2.15E-07	0.00E+00	0.00E+00	1.84E-07	3.93E-08	2.49E-07	3.84E-08	1.67E-08	5.27E-07
4198	490363.09	3855877.25	1.43E-03	1.65E-03	7.44E-04	4.94E-07	1.49E-06	8.64E-07	1.00E-06	9.07E-07	4.14E-07	1.86E-07	0.00E+00	0.00E+00	1.59E-07	3.39E-08	2.15E-07	3.32E-08	1.44E-08	4.56E-07
4199	490863.09	3855877.25	1.23E-03	1.42E-03	6.41E-04	4.26E-07	1.29E-06	7.44E-07	8.62E-07	7.81E-07	3.56E-07	1.61E-07	0.00E+00	0.00E+00	1.37E-07	2.92E-08	1.86E-07	2.86E-08	1.24E-08	3.93E-07
4200	491363.09	3855877.25	1.02E-03	1.18E-03	5.32E-04	3.52E-07	1.06E-06	6.16E-07	7.13E-07	6.46E-07	2.95E-07	1.33E-07	0.00E+00	0.00E+00	1.13E-07	2.42E-08	1.54E-07	2.37E-08	1.03E-08	3.25E-07
4201	491863.09	3855877.25	9.50E-04	1.10E-03	4.97E-04	3.29E-07	9.93E-07	5.75E-07	6.65E-07	6.03E-07	2.75E-07	1.24E-07	0.00E+00	0.00E+00	1.06E-07	2.26E-08	1.43E-07	2.21E-08	9.63E-09	3.03E-07
4202	492363.09	3855877.25	8.31E-04	9.62E-04	4.35E-04	2.88E-07	8.69E-07	5.03E-07	5.82E-07	5.28E-07	2.41E-07	1.09E-07	0.00E+00	0.00E+00	9.26E-08	1.98E-08	1.25E-07	1.93E-08	8.43E-09	2.65E-07
4203	492863.09	3855877.25	7.33E-04	8.48E-04	3.84E-04	2.54E-07	7.66E-07	4.44E-07	5.13E-07	4.65E-07	2.12E-07	9.62E-08	0.00E+00	0.00E+00	8.16E-08	1.74E-08	1.11E-07	1.70E-08	7.45E-09	2.34E-07
4204	493363.09	3855877.25	5.65E-04	6.53E-04	2.97E-04	1.95E-07	5.90E-07	3.42E-07	3.95E-07	3.58E-07	1.63E-07	7.42E-08	0.00E+00	0.00E+00	6.28E-08	1.34E-08	8.51E-08	1.31E-08	5.75E-09	1.80E-07
4205	493863.09	3855877.25	3.89E-04	4.50E-04	2.05E-04	1.35E-07	4.07E-07	2.35E-07	2.72E-07	2.47E-07	1.13E-07	5.13E-08	0.00E+00	0.00E+00	4.33E-08	9.23E-09	5.86E-08	9.04E-09	3.97E-09	1.24E-07
4206	494363.09	3855877.25	2.67E-04	3.09E-04	1.41E-04	9.25E-08	2.79E-07	1.62E-07	1.87E-07	1.69E-07	7.72E-08	3.54E-08	0.00E+00	0.00E+00	2.97E-08	6.34E-09	4.02E-08	6.20E-09	2.74E-09	8.52E-08
4207	494863.09	3855877.25	1.96E-04	2.27E-04	1.04E-04	6.80E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.61E-08	0.00E+00	0.00E+00	2.19E-08	4.65E-09	2.95E-08	4.55E-09	2.02E-09	6.26E-08
4208	495363.09	3855877.25	1.38E-04	1.60E-04	7.41E-05	4.79E-08	1.45E-07	8.37E-08	9.65E-08	8.75E-08	3.99E-08	1.86E-08	0.00E+00	0.00E+00	1.54E-08	3.28E-09	2.08E-08	3.21E-09	1.44E-09	4.41E-08
4209	495863.09	3855877.25	1.29E-04	1.49E-04	6.95E-05	4.48E-08	1.35E-07	7.84E-08	9.03E-08	8.19E-08	3.74E-08	1.74E-08	0.00E+00	0.00E+00	1.44E-08	3.07E-09	1.95E-08	3.00E-09	1.35E-09	4.13E-08
4210	496363.09	3855877.25	1.23E-04	1.42E-04	6.62E-05	4.26E-08	1.29E-07	7.45E-08	8.59E-08	7.79E-08	3.55E-08	1.66E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.85E-09	1.28E-09	3.93E-08
4211	496863.09	3855877.25	1.23E-04	1.42E-04	6.62E-05	4.27E-08	1.29E-07	7.46E-08	8.60E-08	7.79E-08	3.56E-08	1.66E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.85E-09	1.28E-09	3.93E-08
4212	497363.09	3855877.25	1.24E-04	1.43E-04	6.69E-05	4.31E-08	1.30E-07	7.53E-08	8.68E-08	7.87E-08	3.59E-08	1.67E-08	0.00E+00	0.00E+00	1.39E-08	2.95E-09	1.87E-08	2.88E-09	1.30E-09	3.97E-08
4213	497863.09	3855877.25	1.28E-04	1.48E-04	6.88E-05	4.44E-08	1.34E-07	7.76E-08	8.94E-08	8.11E-08	3.70E-08	1.72E-08	0.00E+00	0.00E+00	1.43E-08	3.04E-09	1.93E-08	2.97E-09	1.33E-09	4.09E-08
4214	498363.09	3855877.25	1.42E-04	1.64E-04	7.61E-05	4.92E-08	1.49E-07	8.60E-08	9.92E-08	8.99E-08	4.10E-08	1.90E-08	0.00E+00	0.00E+00	1.58E-08	3.37E-09	2.14E-08	3.29E-09	1.47E-09	4.53E-08
4215	471363.09	3856377.25	3.20E-05	3.70E-05	1.69E-05	1.11E-08	3.35E-08	1.94E-08	2.24E-08	2.03E-08	9.26E-09	4.23E-09	0.00E+00	0.00E+00	3.57E-09	7.60E-10	4.82E-09	7.44E-10	3.28E-10	1.02E-08
4216	471863.09	3856377.25	3.36E-05	3.89E-05	1.77E-05	1.16E-08	3.51E-08	2.03E-08	2.35E-08	2.13E-08	9.73E-09	4.44E-09	0.00E+00	0.00E+00	3.74E-09	7.98E-10	5.06E-09	7.81E-10	3.44E-10	1.07E-08
4217	472363.09	3856377.25	3.63E-05	4.19E-05	1.91E-05	1.26E-08	3.79E-08	2.19E-08	2.54E-08	2.30E-08	1.05E-08	4.79E-09	0.00E+00	0.00E+00	4.04E-09	8.61E-10	5.46E-09	8.42E-10	3.71E-10	1.16E-08
4218	472863.09	3856377.25	3.94E-05	4.56E-05	2.08E-05	1.37E-08	4.12E-08	2.39E-08	2.76E-08	2.50E-08	1.14E-08	5.21E-09	0.00E+00	0.00E+00	4.39E-09	9.36E-10	5.94E-09	9.16E-10	4.03E-10	1.26E-08
4219	473363.09	3856377.25	4.25E-05	4.91E-05	2.24E-05	1.47E-08	4.44E-08	2.57E-08	2.97E-08	2.70E-08	1.23E-08	5.61E-09	0.00E+00	0.00E+00	4.73E-09	1.01E-09	6.40E-09	9.88E-10	4.34E-10	1.36E-08
4220	473863.09	3856377.25	4.72E-05	5.45E-05	2.49E-05	1.63E-08	4.93E-08	2.85E-08	3.30E-08	2.99E-08	1.36E-08	6.22E-09	0.00E+00	0.00E+00	5.25E-09	1.12E-09	7.10E-09	1.10E-09	4.82E-10	1.51E-08
4221	474363.09	3856377.25	4.83E-05	5.58E-05	2.54E-05	1.67E-08	5.04E-08	2.92E-08	3.37E-08	3.06E-08	1.40E-08	6.37E-09	0.00E+00	0.00E+00	5.37E-09	1.15E-09	7.27E-09	1.12E-09	4.93E-10	1.54E-08
4222	474863.09	3856377.25	4.78E-05	5.52E-05	2.52E-05	1.65E-08	4.99E-08	2.89E-08	3.34E-08	3.03E-08	1.38E-08	6.31E-09	0.00E+00	0.00E+00	5.32E-09	1.13E-09	7.19E-09	1.11E-09	4.89E-10	1.52E-08
4223	475363.09	3856377.25	4.04E-05	4.67E-05	2.14E-05	1.40E-08	4.23E-08	2.45E-08	2.83E-08	2.56E-08	1.17E-08	5.35E-09	0.00E+00	0.00E+00	4.50E-09	9.59E-10	6.09E-09	9.39E-10	4.14E-10	1.29E-08
4224	475863.09	3856377.25	2.86E-05	3.30E-05	1.52E-05	9.89E-09	2.99E-08	1.73E-08	2.00E-08	1.81E-08	8.26E-09	3.80E-09	0.00E+00	0.00E+00	3.18E-09	6.77E-10	4.30E-09	6.63E-10	2.94E-10	9.11E-09
4225	476363.09	3856377.25	2.71E-05	3.12E-05	1.44E-05	9.37E-09	2.83E-08	1.64E-08	1.89E-08	1.71E-08	7.81E-09	3.61E-09	0.00E+00	0.00E+00	3.01E-09	6.41E-10	4.07E-09	6.27E-10	2.79E-10	8.63E-09
4226	476863.09	3856377.25	2.80E-05	3.23E-05	1.49E-05	9.69E-09	2.92E-08	1.69E-08	1.95E-08	1.77E-08	8.08E-09	3.73E-09	0.00E+00	0.00E+00	3.11E-09	6.63E-10	4.21E-09	6.49E-10	2.89E-10	8.92E-09
4227	477363.09	3856377.25	3.03E-05	3.50E-05	1.61E-05	1.05E-08	3.17E-08	1.83E-08	2.12E-08	1.92E-08	8.75E-09	4.04E-09	0.00E+00	0.00E+00	3.37E-09	7.18E-10	4.56E-09	7.03E-10	3.13E-10	9.67E-09
4228	477863.09	3856377.25	2.48E-05	2.86E-05	1.33E-05	8.58E-09	2.59E-08	1.50E-08	1.73E-08	1.57E-08	7.16E-09	3.33E-09	0.00E+00	0.00E+00	2.76E-09	5.87E-10	3.73E-09	5.75E-10	2.58E-10	7.91E-09
4229	478363.09	3856377.25	2.25E-05	2.59E-05	1.21E-05	7.80E-09	2.35E-08	1.36E-08	1.57E-08	1.42E-08	6.49E-09	3.04E-09	0.00E+00	0.00E+00	2.51E-09	5.33E-10	3.38E-09	5.21E-10	2.35E-10	7.18E-09
4230	478863.09	3856377.25	4.48E-05	5.18E-05	2.38E-05	1.55E-08	4.68E-08	2.71E-08	3.13E-08	2.84E-08	1.30E-08	5.95E-09	0.00E+00	0.00E+00	4.99E-09	1.06E-09	6.74E-09	1.04E-09	4.61E-10	1.43E-08
4231	479363.09	3856377.25	5.99E-05	6.92E-05	3.17E-05	2.07E-08	6.26E-08	3.62E-08	4.19E-08	3.80E-08	1.73E-08	7.93E-09	0.00E+00	0.00E+00	6.67E-09	1.42E-09	9.02E-09	1.39E-09	6.14E-10	1.91E-08
4232	479863.09	3856377.25	1.03E-04	1.19E-04	5.44E-05	3.58E-08	1.08E-07	6.25E-08	7.23E-08	6.55E-08	2.99E-08	1.36E-08	0.00E+00	0.00E+00	1.15E-08	2.45E-09	1.56E-08	2.40E-09	1.05E-09	3.30E-08
4233	480363.09	3856377.25	1.56E-04	1.80E-04	8.18E-05	5.39E-08	1.63E-07	9.43E-08	1.09E-07	9.89E-08	4.51E-08	2.05E-08	0.00E+00	0.00E+00	1.73E-08	3.70E-09	2.35E-08	3.62E-09	1.58E-09	4.97E-08
4234	480863.09	3856377.25	2.05E-04	2.37E-04	1.07E-04	7.10E-08	2.14E-07	1.24E-07	1.44E-07	1.30E-07	5.94E-08	2.69E-08	0.00E+00	0.00E+00	2.28E-08	4.87E-09	3.09E-08	4.77E-09	2.08E-09	6.55E-08
4235	481363.09	3856377.25	2.63E-04	3.05E-04	1.38E-04	9.12E-08	2.75E-07	1.59E-07	1.84E-07	1.67E-07	7.63E-08	3.45E-08	0.00E+00	0.00E+00	2.93E-08	6.26E-09	3.97E-08	6.13E-09	2.67E-09	8.41E-08
4236	481863.09	3856377.25	3.27E-04	3.79E-04	1.71E-04	1.13E-07	3.42E-07	1.98E-07	2.29E-07	2.08E-07	9.47E-08	4.28E-08	0.00E+00	0.00E+00	3.64E-08	7.77E-09	4.93E-08	7.61E-09	3.31E-09	1.04E-07
4237	482363.09	3856377.25	3.86E-04	4.47E-04	2.02E-04	1.34E-07	4.03E-07	2.34E-07	2.70E-07	2.45E-07	1.12E-07	5.05E-08	0.00E+00	0.00E+00	4.30E-08	9.18E-09	5.82E-08	8.98E-09	3.91E-09	1.23E-07
4238	482863.09	3856377.25	4.86E-04	5.62E-04	2.54E-04	1.68E-07	5.07E-07	2.94E-07	3.40E-07	3.08E-07	1.41E-07	6.35E-08	0.00E+00	0.00E+00	5.40E-08	1.15E-08	7.32E-08	1.13E-08	4.92E-09	1.55E-07
4239	483363.09	3856377.25	6.29E-04	7.28E-04	3.29E-04	2.18E-07	6.57E-07	3.80E-07	4.40E-07	3.99E-07	1.82E-07	8.24E-08	0.00E+00	0.00E+00	7.00E-08	1.49E-08	9.48E-08	1.46E-08	6.38E-09	2.01E-07
4240	483863.09	3856377.25	8.68E-04	1.00E-03	4.57E-04	3.01E-07	9.07E-07	5.25E-07	6.07E-07	5.50E-07	2.51E-07	1.14E-07	0.00E+00	0.00E+00	9.66E-08	2.06E-08	1.31E-07	2.02E-08	8.86E-09	2.77E-07
4241	484363.09	3856377.25	1.24E-03	1.43E-03	6.51E-04	4.28E-07	1.29E-06	7.47E-07	8.64E-07	7.83E-07	3.57E-07	1.63E-07	0.00E+00	0.00E+00	1.37E-07	2.93E-08	1.86E-07	2.87E-08	1.26E-08	3.94E-07
4242	484863.09	3856377.25	1.86E-03	2.16E-03	9.81E-04	6.45E-07	1.95E-06	1.13E-06	1.30E-06	1.18E-06	5.39E-07	2.46E-07	0.00E+00	0.00E+00	2.08E-07	4.43E-08	2.81E-07	4.33E-08	1.90E-08	5.95E-07
4243	485363.09	3856377.25	3.43E-03	3.97E-03	1.79E-03	1.19E-06	3.59E-06	2.08E-06	2.40E-06	2.18E-06	9.94E-07	4.48E-07	0.00E+00	0.00E+00	3.82E-07	8.16E-08	5.18E-07	7.98E-08	3.47E-08	1.10E-06
4244	485863.09	3856377.25	1.76E-02	2.04E-02	9.17E-03	6.11E-06	1.84E-05	1.07E-05	1.24E-05	1.12E-05	5.11E-06	2.29E-06	0.00E+00	0.00E+00	1.96E-06	4.20E-07	2.66E-06	4.11E-07	1.78E-07	5.63E-06
4245	486363.09	3856377.25	2.10E-02	2.43E-02	1.09E-02	7.27E-06	2.19E-05	1.27E-05	1.47E-05	1.33E-05	6.09E-06	2.73E-06	0.00E+00	0.00E+00	2.34E-06	4.99E-07	3.17E-06	4.89E-07	2.11E-07	6.70E-06
4246	486863.09	3856377.25	9.30E-03	1.08E-02	4.83E-03	3.22E-06	9.72E-06	5.62E-06	6.51E-06	5.91E-06	2.69E-06	1.21E-06	0.00E+00	0.00E+00	1.03E-06	2.21E-07	1.40E-06	2.16E-07	9.36E-08	2.97E-06
4247	487363.09	3856377.25	6.22E-03	7.20E-03	3.23E-03	2.15E-06	6.50E-06	3.76E-06	4.36E-06	3.95E-06	1.80E-06	8.09E-07	0.00E+00	0.00E+00	6.92E-07	1.48E-07	9.38E-07	1.45E-07	6.26E-08	1.99E-06
4248	487863.09	3856377.25	4.62E-03	5.35E-03	2.40E-03	1.60E-06	4.83E-06	2.80E-06	3.24E-06	2.94E-06	1.34E-06	6.01E-07	0.00E+00	0.00E+00	5.14E-07	1.10E-07	6.98E-07	1.08E-07	4.66E-08	1.48E-06
4249	488363.09	3856377.25	3.55E-03	4.12E-03	1.85E-03	1.23E-06	3.71E-06	2.15E-06	2.49E-06	2.26E-06	1.03E-06	4.63E-07	0.00E+00	0.00E+00	3.96E-07	8.45E-08	5.36E-07	8.27E-08	3.58E-08	1.14E-06
4250	488863.09	3856377.25	2.80E-03	3.24E-03	1.46E-03	9.69E-07	2.93E-06	1.69E-06	1.96E-06	1.78E-06	8.11E-07	3.64E-07	0.00E+00	0.00E+00	3.12E-07	6.66E-08	4.22E-07	6.52E-08	2.82E-08	8.94E-07
4251	489363.09	3856377.25	2.26E-03	2.61E-03	1.17E-03	7.81E-07	2.36E-06	1.36E-06	1.58E-06	1.43E-06	6.54E-07	2.94E-07	0.00E+00	0.00E+00	2.51E-07	5.36E-08	3.40E-07	5.25E-08	2.28E-08	7.20E-07
4252	489863.09	3856377.25	1.86E-03	2.15E-03	9.67E-04	6.42E-07	1.94E-06	1.12E-06	1.30E-06	1.18E-06	5.38E-07	2.42E-07	0.00E+00	0.00E+00	2.07E-07	4.41E-08	2.80E-07	4.32E-08	1.87E-08	5.93E-07
4253	490363.09	3856377.25	1.55E-03	1.80E-03	8.10E-04	5.38E-07	1.62E-06	9.40E-07	1.09E-06	9.87E-07	4.50E-07	2.03E-07	0.00E+00	0.00E+00	1.73E-07	3.69E-08	2.34E-07	3.61E-08	1.57E-08	4.96E-07
4254	490863.09	3856377.25	1.32E-03	1.53E-03	6.89E-04	4.57E-07	1.38E-06	7.98E-07	9.24E-07	8.37E-07	3.82E-07	1.72E-07	0.00E+00	0.00E+00	1.47E-07	3.14E-08	1.99E-07	3.07E-08	1.33E-08	4.21E-07
4255	491363.09	3856377.25	1.14E-03	1.31E-03	5.94E-04	3.93E-07	1.19E-06	6.87E-07	7.95E-07	7.20E-07	3.29E-07	1.49E-07	0.00E+00	0.00E+00	1.26E-07	2.70E-08	1.71E-07	2.64E-08	1.15E-08	3.62E-07
4256	491863.09	3856377.25	9.84E-04	1.14E-03	5.15E-04	3.41E-07	1.03E-06	5.95E-07	6.89E-07	6.24E-07	2.85E-07	1.29E-07	0.00E+00	0.00E+00	1.10E-07	2.34E-08	1.48E-07	2.29E-08	9.99E-09	3.14E-07
4257	492363.09	3856377.25	8.48E-04	9.81E-04	4.45E-04	2.94E-07	8.87E-07	5.13E-07	5.94E-07	5.38E-07	2.46E-07	1.11E-07	0.00E+00	0.00E+00	9.44E-08	2.02E-08	1.28E-07	1.97E-08	8.63E-09	2.71E-07
4258	492863.09	3856377.25	6.87E-04	7.94E-04	3.61E-04	2.38E-07	7.18E-07	4.16E-07	4.81E-07	4.36E-07	1.99E-07	9.04E-08	0.00E+00	0.00E+00	7.65E-08	1.63E-08	1.04E-07	1.60E-08	7.00E-09	2.19E-07
4259	493363.09	3856377.25	4.35E-04	5.02E-04	2.29E-04	1.50E-07	4.54E-07	2.63E-07	3.04E-07	2.75E-07	1.26E-07	5.74E-08	0.00E+00	0.00E+00	4.84E-08	1.03E-08	6.55E-08	1.01E-08	4.44E-09	1.39E-07
4260	493863.09	3856377.25	3.25E-04	3.76E-04	1.72E-04	1.13E-07	3.40E-07	1.97E-07	2.27E-07	2.06E-07	9.41E-08	4.31E-08	0.00E+00	0.00E+00	3.62E-08	7.72E-09	4.90E-08	7.55E-09	3.34E-09	1.04E-07
4261	494363.09	3856377.25	2.29E-04	2.64E-04	1.22E-04	7.92E-08	2.39E-07	1.38E-07	1.60E-07	1.45E-07	6.61E-08	3.05E-08	0.00E+00	0.00E+00	2.55E-08	5.42E-09	3.44E-08	5.30E-09	2.36E-09	7.29E-08
4262	494863.09	3856377.25	1.67E-04	1.93E-04	8.97E-05	5.80E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.83E-08	2.25E-08	0.00E+00	0.00E+00	1.86E-08	3.96E-09	2.52E-08	3.88E-09	1.74E-09	5.34E-08
4263	495363.09	3856377.25	1.33E-04	1.53E-04	7.16E-05	4.60E-08	1.39E-07	8.05E-08	9.27E-08	8.40E-08	3.83E-08	1.79E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.39E-09	4.24E-08
4264	495863.09	3856377.25	1.23E-04	1.42E-04	6.66E-05	4.27E-08	1.29E-07	7.47E-08	8.61E-08	7.80E-08	3.56E-08	1.67E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.29E-09	3.94E-08
4265	496363.09	3856377.25	1.21E-04	1.40E-04	6.53E-05	4.19E-08	1.27E-07	7.33E-08	8.44E-08	7.65E-08	3.49E-08	1.63E-08	0.00E+00	0.00E+00	1.35E-08	2.87E-09	1.82E-08	2.80E-09	1.27E-09	3.86E-08
4266	496863.09	3856377.25	1.26E-04	1.46E-04	6.80E-05	4.37E-08	1.32E-07	7.64E-08	8.80E-08	7.98E-08	3.64E-08	1.70E-08	0.00E+00	0.00E+00	1.41E-08	2.99E-09	1.90E-08	2.92E-09	1.32E-09	4.03E-08
4267	497363.09	3856377.25	1.31E-04	1.51E-04	7.05E-05	4.54E-08	1.37E-07	7.93E-08	9.14E-08	8.28E-08	3.78E-08	1.76E-08	0.00E+00	0.00E+00	1.46E-08	3.10E-09	1.97E-08	3.03E-09	1.37E-09	4.18E-08
4268	497863.09	3856377.25	1.40E-04	1.61E-04	7.52E-05	4.85E-08	1.46E-07	8.47E-08	9.77E-08	8.85E-08	4.04E-08	1.88E-08	0.00E+00	0.00E+00	1.56E-08	3.31E-09	2.10E-08	3.24E-09	1.46E-09	4.46E-08
4269	498363.09	3856377.25	1.53E-04	1.77E-04	8.21E-05	5.31E-08	1.60E-07	9.28E-08	1.07E-07	9.70E-08	4.43E-08	2.05E-08	0.00E+00	0.00E+00	1.71E-08	3.63E-09	2.30E-08	3.55E-09	1.59E-09	4.89E-08
4270	471363.09	3856877.25	3.29E-05	3.80E-05	1.73E-05	1.14E-08	3.44E-08	1.99E-08	2.30E-08	2.08E-08	9.51E-09	4.34E-09	0.00E+00	0.00E+00	3.66E-09	7.80E-10	4.95E-09	7.63E-10	3.36E-10	1.05E-08
4271	471863.09	3856877.25	3.43E-05	3.96E-05	1.81E-05	1.19E-08	3.58E-08	2.07E-08	2.40E-08	2.17E-08	9.92E-09	4.53E-09	0.00E+00	0.00E+00	3.82E-09	8.14E-10	5.16E-09	7.96E-10	3.51E-10	1.09E-08
4272	472363.09	3856877.25	3.68E-05	4.25E-05	1.94E-05	1.27E-08	3.85E-08	2.23E-08	2.57E-08	2.33E-08	1.06E-08	4.86E-09	0.00E+00	0.00E+00	4.10E-09	8.74E-10	5.54E-09	8.55E-10	3.76E-10	1.17E-08
4273	472863.09	3856877.25	3.95E-05	4.56E-05	2.08E-05	1.37E-08	4.13E-08	2.39E-08	2.76E-08	2.50E-08	1.14E-08	5.21E-09	0.00E+00	0.00E+00	4.40E-09	9.37E-10	5.95E-09	9.17E-10	4.03E-10	1.26E-08
4274	473363.09	3856877.25	4.38E-05	5.06E-05	2.31E-05	1.52E-08	4.58E-08	2.65E-08	3.06E-08	2.78E-08	1.27E-08	5.77E-09	0.00E+00	0.00E+00	4.87E-09	1.04E-09	6.60E-09	1.02E-09	4.47E-10	1.40E-08
4275	473863.09	3856877.25	4.69E-05	5.43E-05	2.47E-05	1.62E-08	4.91E-08	2.84E-08	3.28E-08	2.98E-08	1.36E-08	6.19E-09	0.00E+00	0.00E+00	5.23E-09	1.11E-09	7.07E-09	1.09E-09	4.79E-10	1.50E-08
4276	474363.09	3856877.25	4.75E-05	5.49E-05	2.50E-05	1.64E-08	4.96E-08	2.87E-08	3.32E-08	3.01E-08	1.37E-08	6.26E-09	0.00E+00	0.00E+00	5.29E-09	1.13E-09	7.15E-09	1.10E-09	4.85E-10	1.52E-08
4277	474863.09	3856877.25	4.64E-05	5.36E-05	2.45E-05	1.61E-08	4.85E-08	2.81E-08	3.25E-08	2.94E-08	1.34E-08	6.13E-09	0.00E+00	0.00E+00	5.17E-09	1.10E-09	6.99E-09	1.08E-09	4.74E-10	1.48E-08
4278	475363.09	3856877.25	4.12E-05	4.76E-05	2.18E-05	1.43E-08	4.30E-08	2.49E-08	2.88E-08	2.61E-08	1.19E-08	5.44E-09	0.00E+00	0.00E+00	4.58E-09	9.77E-10	6.20E-09	9.56E-10	4.22E-10	1.31E-08
4279	475863.09	3856877.25	4.19E-05	4.84E-05	2.21E-05	1.45E-08	4.38E-08	2.53E-08	2.93E-08	2.65E-08	1.21E-08	5.54E-09	0.00E+00	0.00E+00	4.66E-09	9.94E-10	6.30E-09	9.72E-10	4.29E-10	1.34E-08
4280	476363.09	3856877.25	3.69E-05	4.26E-05	1.95E-05	1.28E-08	3.86E-08	2.23E-08	2.58E-08	2.34E-08	1.07E-08	4.89E-09	0.00E+00	0.00E+00	4.11E-09	8.75E-10	5.55E-09	8.57E-10	3.79E-10	1.18E-08
4281	476863.09	3856877.25	3.58E-05	4.13E-05	1.90E-05	1.24E-08	3.74E-08	2.16E-08	2.50E-08	2.27E-08	1.03E-08	4.74E-09	0.00E+00	0.00E+00	3.98E-09	8.48E-10	5.38E-09	8.30E-10	3.67E-10	1.14E-08
4282	477363.09	3856877.25	3.19E-05	3.68E-05	1.69E-05	1.10E-08	3.33E-08	1.93E-08	2.23E-08	2.02E-08	9.21E-09	4.24E-09	0.00E+00	0.00E+00	3.55E-09	7.56E-10	4.80E-09	7.40E-10	3.28E-10	1.02E-08
4283	477863.09	3856877.25	2.21E-05	2.55E-05	1.19E-05	7.64E-09	2.31E-08	1.34E-08	1.54E-08	1.40E-08	6.37E-09	2.97E-09	0.00E+00	0.00E+00	2.46E-09	5.23E-10	3.32E-09	5.12E-10	2.30E-10	7.04E-09
4284	478363.09	3856877.25	2.00E-05	2.30E-05	1.08E-05	6.92E-09	2.09E-08	1.21E-08	1.39E-08	1.26E-08	5.76E-09	2.70E-09	0.00E+00	0.00E+00	2.23E-09	4.73E-10	3.00E-09	4.63E-10	2.09E-10	6.37E-09
4285	478863.09	3856877.25	2.58E-05	2.97E-05	1.38E-05	8.92E-09	2.69E-08	1.56E-08	1.80E-08	1.63E-08	7.43E-09	3.46E-09	0.00E+00	0.00E+00	2.87E-09	6.10E-10	3.87E-09	5.97E-10	2.68E-10	8.21E-09
4286	479363.09	3856877.25	3.53E-05	4.08E-05	1.88E-05	1.22E-08	3.69E-08	2.14E-08	2.47E-08	2.24E-08	1.02E-08	4.71E-09	0.00E+00	0.00E+00	3.93E-09	8.37E-10	5.31E-09	8.19E-10	3.65E-10	1.13E-08
4287	479863.09	3856877.25	9.54E-05	1.10E-04	5.03E-05	3.30E-08	9.97E-08	5.77E-08	6.67E-08	6.05E-08	2.76E-08	1.26E-08	0.00E+00	0.00E+00	1.06E-08	2.26E-09	1.44E-08	2.22E-09	9.74E-10	3.04E-08
4288	480363.09	3856877.25	1.56E-04	1.80E-04	8.16E-05	5.38E-08	1.63E-07	9.41E-08	1.09E-07	9.87E-08	4.50E-08	2.04E-08	0.00E+00	0.00E+00	1.73E-08	3.70E-09	2.34E-08	3.62E-09	1.58E-09	4.97E-08
4289	480863.09	3856877.25	2.11E-04	2.44E-04	1.10E-04	7.30E-08	2.20E-07	1.28E-07	1.48E-07	1.34E-07	6.10E-08	2.76E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.14E-09	6.73E-08
4290	481363.09	3856877.25	2.65E-04	3.06E-04	1.38E-04	9.16E-08	2.77E-07	1.60E-07	1.85E-07	1.68E-07	7.66E-08	3.46E-08	0.00E+00	0.00E+00	2.95E-08	6.29E-09	3.99E-08	6.15E-09	2.68E-09	8.45E-08
4291	481863.09	3856877.25	3.18E-04	3.68E-04	1.66E-04	1.10E-07	3.32E-07	1.92E-07	2.23E-07	2.02E-07	9.21E-08	4.15E-08	0.00E+00	0.00E+00	3.54E-08	7.56E-09	4.79E-08	7.39E-09	3.22E-09	1.01E-07
4292	482363.09	3856877.25	3.58E-04	4.14E-04	1.87E-04	1.24E-07	3.74E-07	2.17E-07	2.51E-07	2.27E-07	1.04E-07	4.68E-08	0.00E+00	0.00E+00	3.98E-08	8.51E-09	5.40E-08	8.33E-09	3.62E-09	1.14E-07
4293	482863.09	3856877.25	4.26E-04	4.93E-04	2.22E-04	1.47E-07	4.45E-07	2.58E-07	2.98E-07	2.70E-07	1.23E-07	5.56E-08	0.00E+00	0.00E+00	4.74E-08	1.01E-08	6.42E-08	9.90E-09	4.31E-09	1.36E-07
4294	483363.09	3856877.25	5.32E-04	6.16E-04	2.78E-04	1.84E-07	5.57E-07	3.22E-07	3.73E-07	3.38E-07	1.54E-07	6.96E-08	0.00E+00	0.00E+00	5.93E-08	1.27E-08	8.03E-08	1.24E-08	5.39E-09	1.70E-07
4295	483863.09	3856877.25	6.88E-04	7.96E-04	3.60E-04	2.38E-07	7.19E-07	4.16E-07	4.82E-07	4.37E-07	1.99E-07	9.00E-08	0.00E+00	0.00E+00	7.66E-08	1.64E-08	1.04E-07	1.60E-08	6.97E-09	2.20E-07
4296	484363.09	3856877.25	9.05E-04	1.05E-03	4.73E-04	3.13E-07	9.45E-07	5.47E-07	6.33E-07	5.74E-07	2.62E-07	1.18E-07	0.00E+00	0.00E+00	1.01E-07	2.15E-08	1.36E-07	2.10E-08	9.17E-09	2.89E-07
4297	484863.09	3856877.25	1.19E-03	1.37E-03	6.20E-04	4.11E-07	1.24E-06	7.18E-07	8.31E-07	7.53E-07	3.44E-07	1.55E-07	0.00E+00	0.00E+00	1.32E-07	2.82E-08	1.79E-07	2.76E-08	1.20E-08	3.79E-07
4298	485363.09	3856877.25	1.72E-03	1.99E-03	9.00E-04	5.97E-07	1.80E-06	1.04E-06	1.21E-06	1.09E-06	4.99E-07	2.25E-07	0.00E+00	0.00E+00	1.92E-07	4.10E-08	2.60E-07	4.01E-08	1.74E-08	5.50E-07

4299	485863.09	3856877.25	2.91E-03	3.37E-03	1.51E-03	1.01E-06	3.04E-06	1.76E-06	2.04E-06	1.85E-06	8.43E-07	3.79E-07	0.00E+00	0.00E+00	3.24E-07	6.91E-08	4.39E-07	6.77E-08	2.93E-08	9.29E-07
4300	486363.09	3856877.25	1.00E-02	1.16E-02	5.20E-03	3.46E-06	1.05E-05	6.05E-06	7.01E-06	6.36E-06	2.90E-06	1.30E-06	0.00E+00	0.00E+00	1.11E-06	2.38E-07	1.51E-06	2.33E-07	1.01E-07	3.20E-06
4301	486863.09	3856877.25	3.76E-02	4.36E-02	1.96E-02	1.30E-05	3.93E-05	2.28E-05	2.64E-05	2.39E-05	1.09E-05	4.89E-06	0.00E+00	0.00E+00	4.19E-06	8.95E-07	5.68E-06	8.76E-07	3.79E-07	1.20E-05
4302	487363.09	3856877.25	1.01E-02	1.17E-02	5.25E-03	3.50E-06	1.06E-05	6.11E-06	7.08E-06	6.42E-06	2.93E-06	1.31E-06	0.00E+00	0.00E+00	1.12E-06	2.40E-07	1.52E-06	2.35E-07	1.02E-07	3.23E-06
4303	487863.09	3856877.25	5.55E-03	6.43E-03	2.88E-03	1.92E-06	5.80E-06	3.36E-06	3.89E-06	3.52E-06	1.61E-06	7.22E-07	0.00E+00	0.00E+00	6.18E-07	1.32E-07	8.37E-07	1.29E-07	5.59E-08	1.77E-06
4304	488363.09	3856877.25	3.66E-03	4.24E-03	1.91E-03	1.27E-06	3.83E-06	2.22E-06	2.57E-06	2.33E-06	1.06E-06	4.77E-07	0.00E+00	0.00E+00	4.08E-07	8.72E-08	5.53E-07	8.53E-08	3.69E-08	1.17E-06
4305	488863.09	3856877.25	2.70E-03	3.13E-03	1.40E-03	9.34E-07	2.82E-06	1.63E-06	1.89E-06	1.71E-06	7.82E-07	3.52E-07	0.00E+00	0.00E+00	3.00E-07	6.42E-08	4.07E-07	6.28E-08	2.72E-08	8.62E-07
4306	489363.09	3856877.25	2.11E-03	2.44E-03	1.10E-03	7.31E-07	2.21E-06	1.28E-06	1.48E-06	1.34E-06	6.12E-07	2.76E-07	0.00E+00	0.00E+00	2.35E-07	5.02E-08	3.19E-07	4.91E-08	2.13E-08	6.74E-07
4307	489863.09	3856877.25	1.72E-03	2.00E-03	9.00E-04	5.97E-07	1.80E-06	1.04E-06	1.21E-06	1.09E-06	4.99E-07	2.25E-07	0.00E+00	0.00E+00	1.92E-07	4.10E-08	2.60E-07	4.01E-08	1.74E-08	5.50E-07
4308	490363.09	3856877.25	1.44E-03	1.67E-03	7.56E-04	5.00E-07	1.51E-06	8.74E-07	1.01E-06	9.17E-07	4.18E-07	1.89E-07	0.00E+00	0.00E+00	1.61E-07	3.43E-08	2.18E-07	3.36E-08	1.47E-08	4.61E-07
4309	490863.09	3856877.25	1.23E-03	1.42E-03	6.45E-04	4.26E-07	1.29E-06	7.45E-07	8.61E-07	7.81E-07	3.56E-07	1.61E-07	0.00E+00	0.00E+00	1.37E-07	2.92E-08	1.86E-07	2.86E-08	1.25E-08	3.93E-07
4310	491363.09	3856877.25	1.06E-03	1.23E-03	5.59E-04	3.68E-07	1.11E-06	6.44E-07	7.45E-07	6.75E-07	3.08E-07	1.40E-07	0.00E+00	0.00E+00	1.18E-07	2.53E-08	1.60E-07	2.47E-08	1.08E-08	3.40E-07
4311	491863.09	3856877.25	9.27E-04	1.07E-03	4.87E-04	3.21E-07	9.69E-07	5.61E-07	6.49E-07	5.88E-07	2.68E-07	1.22E-07	0.00E+00	0.00E+00	1.03E-07	2.20E-08	1.40E-07	2.15E-08	9.44E-09	2.96E-07
4312	492363.09	3856877.25	7.61E-04	8.80E-04	4.01E-04	2.64E-07	7.96E-07	4.61E-07	5.32E-07	4.83E-07	2.20E-07	1.00E-07	0.00E+00	0.00E+00	8.48E-08	1.81E-08	1.15E-07	1.77E-08	7.78E-09	2.43E-07
4313	492863.09	3856877.25	5.91E-04	6.83E-04	3.12E-04	2.05E-07	6.18E-07	3.58E-07	4.13E-07	3.75E-07	1.71E-07	7.82E-08	0.00E+00	0.00E+00	6.58E-08	1.40E-08	8.90E-08	1.37E-08	6.06E-09	1.89E-07
4314	493363.09	3856877.25	4.17E-04	4.82E-04	2.21E-04	1.44E-07	4.36E-07	2.52E-07	2.91E-07	2.64E-07	1.21E-07	5.53E-08	0.00E+00	0.00E+00	4.64E-08	9.89E-09	6.28E-08	9.68E-09	4.29E-09	1.33E-07
4315	493863.09	3856877.25	2.76E-04	3.18E-04	1.47E-04	9.55E-08	2.88E-07	1.67E-07	1.93E-07	1.75E-07	7.96E-08	3.68E-08	0.00E+00	0.00E+00	3.07E-08	6.53E-09	4.15E-08	6.39E-09	2.85E-09	8.79E-08
4316	494363.09	3856877.25	1.91E-04	2.20E-04	1.03E-04	6.61E-08	2.00E-07	1.16E-07	1.33E-07	1.21E-07	5.51E-08	2.57E-08	0.00E+00	0.00E+00	2.13E-08	4.52E-09	2.87E-08	4.42E-09	1.99E-09	6.09E-08
4317	494863.09	3856877.25	1.56E-04	1.80E-04	8.43E-05	5.41E-08	1.63E-07	9.46E-08	1.09E-07	9.88E-08	4.51E-08	2.11E-08	0.00E+00	0.00E+00	1.74E-08	3.70E-09	2.35E-08	3.62E-09	1.63E-09	4.98E-08
4318	495363.09	3856877.25	1.37E-04	1.58E-04	7.41E-05	4.75E-08	1.43E-07	8.30E-08	9.56E-08	8.66E-08	3.95E-08	1.85E-08	0.00E+00	0.00E+00	1.53E-08	3.24E-09	2.06E-08	3.17E-09	1.44E-09	4.37E-08
4319	495863.09	3856877.25	1.31E-04	1.50E-04	7.05E-05	4.52E-08	1.37E-07	7.90E-08	9.10E-08	8.25E-08	3.76E-08	1.77E-08	0.00E+00	0.00E+00	1.45E-08	3.09E-09	1.96E-08	3.02E-09	1.37E-09	4.16E-08
4320	496363.09	3856877.25	1.27E-04	1.46E-04	6.83E-05	4.38E-08	1.32E-07	7.66E-08	8.82E-08	8.00E-08	3.65E-08	1.71E-08	0.00E+00	0.00E+00	1.41E-08	2.99E-09	1.90E-08	2.93E-09	1.32E-09	4.03E-08
4321	496863.09	3856877.25	1.27E-04	1.46E-04	6.86E-05	4.40E-08	1.33E-07	7.69E-08	8.86E-08	8.03E-08	3.66E-08	1.72E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.33E-09	4.05E-08
4322	497363.09	3856877.25	1.33E-04	1.53E-04	7.14E-05	4.59E-08	1.39E-07	8.02E-08	9.24E-08	8.38E-08	3.82E-08	1.79E-08	0.00E+00	0.00E+00	1.48E-08	3.14E-09	1.99E-08	3.07E-09	1.38E-09	4.23E-08
4323	497863.09	3856877.25	1.48E-04	1.71E-04	7.95E-05	5.13E-08	1.55E-07	8.98E-08	1.03E-07	9.38E-08	4.28E-08	1.99E-08	0.00E+00	0.00E+00	1.65E-08	3.51E-09	2.23E-08	3.44E-09	1.54E-09	4.73E-08
4324	498363.09	3856877.25	1.68E-04	1.93E-04	8.96E-05	5.80E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.84E-08	2.24E-08	0.00E+00	0.00E+00	1.87E-08	3.97E-09	2.52E-08	3.88E-09	1.74E-09	5.34E-08
4325	471363.09	3857377.25	3.37E-05	3.89E-05	1.78E-05	1.17E-08	3.52E-08	2.04E-08	2.36E-08	2.14E-08	9.74E-09	4.45E-09	0.00E+00	0.00E+00	3.75E-09	7.99E-10	5.07E-09	7.82E-10	3.45E-10	1.07E-08
4326	471863.09	3857377.25	3.49E-05	4.03E-05	1.84E-05	1.21E-08	3.65E-08	2.11E-08	2.44E-08	2.21E-08	1.01E-08	4.61E-09	0.00E+00	0.00E+00	3.89E-09	8.29E-10	5.26E-09	8.11E-10	3.57E-10	1.11E-08
4327	472363.09	3857377.25	3.70E-05	4.27E-05	1.95E-05	1.28E-08	3.86E-08	2.24E-08	2.58E-08	2.34E-08	1.07E-08	4.88E-09	0.00E+00	0.00E+00	4.11E-09	8.77E-10	5.57E-09	8.58E-10	3.78E-10	1.18E-08
4328	472863.09	3857377.25	3.96E-05	4.58E-05	2.09E-05	1.37E-08	4.14E-08	2.40E-08	2.77E-08	2.51E-08	1.15E-08	5.23E-09	0.00E+00	0.00E+00	4.41E-09	9.40E-10	5.96E-09	9.20E-10	4.05E-10	1.26E-08
4329	473363.09	3857377.25	4.30E-05	4.97E-05	2.27E-05	1.49E-08	4.50E-08	2.60E-08	3.01E-08	2.73E-08	1.24E-08	5.67E-09	0.00E+00	0.00E+00	4.79E-09	1.02E-09	6.48E-09	9.99E-10	4.39E-10	1.37E-08
4330	473863.09	3857377.25	4.70E-05	5.43E-05	2.48E-05	1.63E-08	4.91E-08	2.84E-08	3.29E-08	2.98E-08	1.36E-08	6.20E-09	0.00E+00	0.00E+00	5.23E-09	1.12E-09	7.08E-09	1.09E-09	4.80E-10	1.50E-08
4331	474363.09	3857377.25	4.65E-05	5.37E-05	2.45E-05	1.61E-08	4.86E-08	2.81E-08	3.25E-08	2.95E-08	1.34E-08	6.13E-09	0.00E+00	0.00E+00	5.17E-09	1.10E-09	7.00E-09	1.08E-09	4.75E-10	1.48E-08
4332	474863.09	3857377.25	3.80E-05	4.39E-05	2.01E-05	1.32E-08	3.97E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	5.03E-09	0.00E+00	0.00E+00	4.23E-09	9.02E-10	5.72E-09	8.82E-10	3.89E-10	1.21E-08
4333	475363.09	3857377.25	2.68E-05	3.10E-05	1.42E-05	9.28E-09	2.80E-08	1.62E-08	1.87E-08	1.70E-08	7.75E-09	3.56E-09	0.00E+00	0.00E+00	2.99E-09	6.36E-10	4.04E-09	6.22E-10	2.76E-10	8.55E-09
4334	475863.09	3857377.25	2.50E-05	2.89E-05	1.33E-05	8.67E-09	2.62E-08	1.51E-08	1.75E-08	1.58E-08	7.23E-09	3.33E-09	0.00E+00	0.00E+00	2.79E-09	5.93E-10	3.77E-09	5.81E-10	2.58E-10	7.98E-09
4335	476363.09	3857377.25	3.34E-05	3.85E-05	1.77E-05	1.16E-08	3.49E-08	2.02E-08	2.33E-08	2.11E-08	9.65E-09	4.43E-09	0.00E+00	0.00E+00	3.72E-09	7.92E-10	5.02E-09	7.75E-10	3.43E-10	1.06E-08
4336	476863.09	3857377.25	3.57E-05	4.12E-05	1.89E-05	1.24E-08	3.73E-08	2.16E-08	2.49E-08	2.26E-08	1.03E-08	4.73E-09	0.00E+00	0.00E+00	3.97E-09	8.46E-10	5.37E-09	8.28E-10	3.66E-10	1.14E-08
4337	477363.09	3857377.25	3.17E-05	3.65E-05	1.68E-05	1.10E-08	3.31E-08	1.92E-08	2.21E-08	2.00E-08	9.15E-09	4.21E-09	0.00E+00	0.00E+00	3.52E-09	7.50E-10	4.76E-09	7.34E-10	3.26E-10	1.01E-08
4338	477863.09	3857377.25	2.39E-05	2.75E-05	1.28E-05	8.26E-09	2.49E-08	1.44E-08	1.66E-08	1.51E-08	6.89E-09	3.20E-09	0.00E+00	0.00E+00	2.66E-09	5.65E-10	3.59E-09	5.53E-10	2.47E-10	7.61E-09
4339	478363.09	3857377.25	1.83E-05	2.11E-05	9.90E-06	6.34E-09	1.91E-08	1.11E-08	1.28E-08	1.16E-08	5.27E-09	2.48E-09	0.00E+00	0.00E+00	2.04E-09	4.33E-10	2.75E-09	4.24E-10	1.92E-10	5.83E-09
4340	478863.09	3857377.25	1.58E-05	1.81E-05	8.59E-06	5.46E-09	1.65E-08	9.54E-09	1.10E-08	9.94E-09	4.54E-09	2.15E-09	0.00E+00	0.00E+00	1.75E-09	3.72E-10	2.36E-09	3.64E-10	1.67E-10	5.02E-09
4341	479363.09	3857377.25	2.59E-05	2.98E-05	1.39E-05	8.96E-09	2.71E-08	1.57E-08	1.81E-08	1.64E-08	7.47E-09	3.48E-09	0.00E+00	0.00E+00	2.88E-09	6.13E-10	3.89E-09	6.00E-10	2.69E-10	8.25E-09
4342	479863.09	3857377.25	7.76E-05	8.97E-05	4.09E-05	2.69E-08	8.11E-08	4.69E-08	5.43E-08	4.92E-08	2.24E-08	1.02E-08	0.00E+00	0.00E+00	8.64E-09	1.84E-09	1.17E-08	1.80E-09	7.93E-10	2.48E-08
4343	480363.09	3857377.25	6.36E-05	7.35E-05	3.36E-05	2.20E-08	6.65E-08	3.85E-08	4.45E-08	4.03E-08	1.84E-08	8.42E-09	0.00E+00	0.00E+00	7.08E-09	1.51E-09	9.58E-09	1.48E-09	6.52E-10	2.03E-08
4344	480863.09	3857377.25	2.09E-04	2.42E-04	1.09E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.33E-07	6.05E-08	2.73E-08	0.00E+00	0.00E+00	2.33E-08	4.97E-09	3.15E-08	4.86E-09	2.12E-09	6.67E-08
4345	481363.09	3857377.25	2.38E-04	2.75E-04	1.24E-04	8.23E-08	2.49E-07	1.44E-07	1.67E-07	1.51E-07	6.89E-08	3.11E-08	0.00E+00	0.00E+00	2.65E-08	5.65E-09	3.59E-08	5.53E-09	2.41E-09	7.59E-08
4346	481863.09	3857377.25	2.87E-04	3.33E-04	1.50E-04	9.95E-08	3.00E-07	1.74E-07	2.01E-07	1.83E-07	8.33E-08	3.76E-08	0.00E+00	0.00E+00	3.20E-08	6.83E-09	4.34E-08	6.69E-09	2.91E-09	9.18E-08
4347	482363.09	3857377.25	3.28E-04	3.80E-04	1.71E-04	1.14E-07	3.43E-07	1.98E-07	2.30E-07	2.08E-07	9.50E-08	4.29E-08	0.00E+00	0.00E+00	3.65E-08	7.80E-09	4.95E-08	7.63E-09	3.32E-09	1.05E-07
4348	482863.09	3857377.25	3.75E-04	4.34E-04	1.96E-04	1.30E-07	3.92E-07	2.27E-07	2.63E-07	2.38E-07	1.09E-07	4.90E-08	0.00E+00	0.00E+00	4.18E-08	8.92E-09	5.66E-08	8.73E-09	3.80E-09	1.20E-07
4349	483363.09	3857377.25	4.50E-04	5.21E-04	2.35E-04	1.56E-07	4.70E-07	2.72E-07	3.15E-07	2.86E-07	1.30E-07	5.88E-08	0.00E+00	0.00E+00	5.01E-08	1.07E-08	6.79E-08	1.05E-08	4.55E-09	1.44E-07
4350	483863.09	3857377.25	5.49E-04	6.36E-04	2.87E-04	1.90E-07	5.74E-07	3.32E-07	3.85E-07	3.49E-07	1.59E-07	7.17E-08	0.00E+00	0.00E+00	6.11E-08	1.31E-08	8.28E-08	1.28E-08	5.55E-09	1.75E-07
4351	484363.09	3857377.25	6.70E-04	7.75E-04	3.49E-04	2.32E-07	7.00E-07	4.05E-07	4.69E-07	4.25E-07	1.94E-07	8.74E-08	0.00E+00	0.00E+00	7.45E-08	1.59E-08	1.01E-07	1.56E-08	6.77E-09	2.14E-07
4352	484863.09	3857377.25	8.17E-04	9.46E-04	4.26E-04	2.83E-07	8.54E-07	4.94E-07	5.72E-07	5.19E-07	2.37E-07	1.07E-07	0.00E+00	0.00E+00	9.10E-08	1.94E-08	1.23E-07	1.90E-08	8.26E-09	2.61E-07
4353	485363.09	3857377.25	1.02E-03	1.18E-03	5.29E-04	3.51E-07	1.06E-06	6.14E-07	7.11E-07	6.45E-07	2.94E-07	1.32E-07	0.00E+00	0.00E+00	1.13E-07	2.41E-08	1.53E-07	2.36E-08	1.03E-08	3.24E-07
4354	485863.09	3857377.25	1.31E-03	1.52E-03	6.83E-04	4.54E-07	1.37E-06	7.93E-07	9.19E-07	8.33E-07	3.80E-07	1.71E-07	0.00E+00	0.00E+00	1.46E-07	3.12E-08	1.98E-07	3.05E-08	1.32E-08	4.19E-07
4355	486363.09	3857377.25	1.96E-03	2.27E-03	1.02E-03	6.78E-07	2.05E-06	1.19E-06	1.37E-06	1.24E-06	5.68E-07	2.55E-07	0.00E+00	0.00E+00	2.18E-07	4.66E-08	2.96E-07	4.56E-08	1.98E-08	6.26E-07
4356	486863.09	3857377.25	2.99E-03	3.47E-03	1.56E-03	1.04E-06	3.13E-06	1.81E-06	2.10E-06	1.90E-06	8.68E-07	3.90E-07	0.00E+00	0.00E+00	3.33E-07	7.12E-08	4.52E-07	6.97E-08	3.02E-08	9.56E-07
4357	487363.09	3857377.25	3.11E-03	3.60E-03	1.62E-03	1.08E-06	3.25E-06	1.88E-06	2.18E-06	1.97E-06	9.00E-07	4.04E-07	0.00E+00	0.00E+00	3.46E-07	7.39E-08	4.69E-07	7.23E-08	3.13E-08	9.92E-07
4358	487863.09	3857377.25	2.65E-03	3.07E-03	1.38E-03	9.18E-07	2.77E-06	1.60E-06	1.86E-06	1.68E-06	7.68E-07	3.46E-07	0.00E+00	0.00E+00	2.95E-07	6.31E-08	4.00E-07	6.17E-08	2.68E-08	8.47E-07
4359	488363.09	3857377.25	2.18E-03	2.53E-03	1.14E-03	7.56E-07	2.28E-06	1.32E-06	1.53E-06	1.39E-06	6.33E-07	2.85E-07	0.00E+00	0.00E+00	2.43E-07	5.19E-08	3.29E-07	5.08E-08	2.20E-08	6.97E-07
4360	488863.09	3857377.25	1.82E-03	2.10E-03	9.53E-04	6.29E-07	1.90E-06	1.10E-06	1.27E-06	1.15E-06	5.26E-07	2.39E-07	0.00E+00	0.00E+00	2.02E-07	4.32E-08	2.74E-07	4.22E-08	1.85E-08	5.80E-07
4361	489363.09	3857377.25	1.54E-03	1.78E-03	8.14E-04	5.34E-07	1.61E-06	9.34E-07	1.08E-06	9.79E-07	4.46E-07	2.04E-07	0.00E+00	0.00E+00	1.72E-07	3.66E-08	2.32E-07	3.59E-08	1.58E-08	4.93E-07
4362	489863.09	3857377.25	1.34E-03	1.54E-03	7.05E-04	4.62E-07	1.40E-06	8.08E-07	9.33E-07	8.46E-07	3.86E-07	1.76E-07	0.00E+00	0.00E+00	1.49E-07	3.17E-08	2.01E-07	3.10E-08	1.37E-08	4.26E-07
4363	490363.09	3857377.25	1.16E-03	1.34E-03	6.15E-04	4.03E-07	1.22E-06	7.04E-07	8.14E-07	7.38E-07	3.37E-07	1.54E-07	0.00E+00	0.00E+00	1.30E-07	2.76E-08	1.75E-07	2.70E-08	1.19E-08	3.71E-07
4364	490863.09	3857377.25	1.02E-03	1.18E-03	5.40E-04	3.54E-07	1.07E-06	6.19E-07	7.15E-07	6.48E-07	2.96E-07	1.35E-07	0.00E+00	0.00E+00	1.14E-07	2.43E-08	1.54E-07	2.37E-08	1.05E-08	3.26E-07
4365	491363.09	3857377.25	9.05E-04	1.05E-03	4.79E-04	3.13E-07	9.46E-07	5.48E-07	6.33E-07	5.74E-07	2.62E-07	1.20E-07	0.00E+00	0.00E+00	1.01E-07	2.15E-08	1.36E-07	2.10E-08	9.28E-09	2.89E-07
4366	491863.09	3857377.25	8.02E-04	9.27E-04	4.25E-04	2.78E-07	8.39E-07	4.85E-07	5.61E-07	5.08E-07	2.32E-07	1.06E-07	0.00E+00	0.00E+00	8.93E-08	1.90E-08	1.21E-07	1.86E-08	8.23E-09	2.56E-07
4367	492363.09	3857377.25	6.40E-04	7.39E-04	3.40E-04	2.22E-07	6.69E-07	3.87E-07	4.47E-07	4.05E-07	1.85E-07	8.51E-08	0.00E+00	0.00E+00	7.13E-08	1.52E-08	9.63E-08	1.49E-08	6.59E-09	2.04E-07
4368	492863.09	3857377.25	4.42E-04	5.10E-04	2.35E-04	1.53E-07	4.62E-07	2.67E-07	3.08E-07	2.80E-07	1.28E-07	5.88E-08	0.00E+00	0.00E+00	4.92E-08	1.05E-08	6.64E-08	1.02E-08	4.56E-09	1.41E-07
4369	493363.09	3857377.25	2.95E-04	3.40E-04	1.58E-04	1.02E-07	3.08E-07	1.79E-07	2.06E-07	1.87E-07	8.52E-08	3.95E-08	0.00E+00	0.00E+00	3.28E-08	6.99E-09	4.43E-08	6.84E-09	3.06E-09	9.41E-08
4370	493863.09	3857377.25	2.38E-04	2.74E-04	1.28E-04	8.24E-08	2.49E-07	1.44E-07	1.66E-07	1.51E-07	6.87E-08	3.19E-08	0.00E+00	0.00E+00	2.65E-08	5.64E-09	3.58E-08	5.52E-09	2.47E-09	7.59E-08
4371	494363.09	3857377.25	1.88E-04	2.17E-04	1.01E-04	6.51E-08	1.97E-07	1.14E-07	1.31E-07	1.19E-07	5.42E-08	2.53E-08	0.00E+00	0.00E+00	2.09E-08	4.45E-09	2.82E-08	4.35E-09	1.96E-09	5.99E-08
4372	494863.09	3857377.25	1.65E-04	1.90E-04	8.89E-05	5.71E-08	1.73E-07	9.99E-08	1.15E-07	1.04E-07	4.76E-08	2.22E-08	0.00E+00	0.00E+00	1.84E-08	3.91E-09	2.48E-08	3.82E-09	1.72E-09	5.26E-08
4373	495363.09	3857377.25	1.48E-04	1.71E-04	7.99E-05	5.13E-08	1.55E-07	8.97E-08	1.03E-07	9.37E-08	4.27E-08	2.00E-08	0.00E+00	0.00E+00	1.65E-08	3.51E-09	2.23E-08	3.43E-09	1.55E-09	4.72E-08
4374	495863.09	3857377.25	1.42E-04	1.63E-04	7.64E-05	4.91E-08	1.48E-07	8.58E-08	9.88E-08	8.96E-08	4.09E-08	1.91E-08	0.00E+00	0.00E+00	1.58E-08	3.35E-09	2.13E-08	3.28E-09	1.48E-09	4.52E-08
4375	496363.09	3857377.25	1.38E-04	1.59E-04	7.44E-05	4.79E-08	1.45E-07	8.37E-08	9.64E-08	8.74E-08	3.99E-08	1.86E-08	0.00E+00	0.00E+00	1.54E-08	3.27E-09	2.08E-08	3.20E-09	1.44E-09	4.41E-08
4376	496863.09	3857377.25	1.37E-04	1.57E-04	7.34E-05	4.73E-08	1.43E-07	8.26E-08	9.52E-08	8.63E-08	3.94E-08	1.84E-08	0.00E+00	0.00E+00	1.52E-08	3.23E-09	2.05E-08	3.16E-09	1.42E-09	4.35E-08
4377	497363.09	3857377.25	1.43E-04	1.65E-04	7.67E-05	4.95E-08	1.49E-07	8.65E-08	9.97E-08	9.04E-08	4.12E-08	1.92E-08	0.00E+00	0.00E+00	1.59E-08	3.38E-09	2.15E-08	3.31E-09	1.49E-09	4.56E-08
4378	497863.09	3857377.25	1.54E-04	1.77E-04	8.23E-05	5.32E-08	1.61E-07	9.30E-08	1.07E-07	9.72E-08	4.44E-08	2.06E-08	0.00E+00	0.00E+00	1.71E-08	3.64E-09	2.31E-08	3.56E-09	1.59E-09	4.90E-08
4379	498363.09	3857377.25	1.87E-04	2.15E-04	9.95E-05	6.46E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.39E-08	2.49E-08	0.00E+00	0.00E+00	2.08E-08	4.42E-09	2.81E-08	4.33E-09	1.93E-09	5.95E-08
4380	471363.09	3857877.25	3.50E-05	4.04E-05	1.84E-05	1.21E-08	3.65E-08	2.12E-08	2.44E-08	2.22E-08	1.01E-08	4.61E-09	0.00E+00	0.00E+00	3.89E-09	8.30E-10	5.26E-09	8.12E-10	3.57E-10	1.12E-08
4381	471863.09	3857877.25	3.64E-05	4.21E-05	1.92E-05	1.26E-08	3.81E-08	2.21E-08	2.55E-08	2.31E-08	1.05E-08	4.81E-09	0.00E+00	0.00E+00	4.06E-09	8.65E-10	5.49E-09	8.46E-10	3.72E-10	1.16E-08
4382	472363.09	3857877.25	3.85E-05	4.45E-05	2.03E-05	1.33E-08	4.02E-08	2.33E-08	2.69E-08	2.44E-08	1.11E-08	5.08E-09	0.00E+00	0.00E+00	4.28E-09	9.14E-10	5.80E-09	8.94E-10	3.93E-10	1.23E-08
4383	472863.09	3857877.25	4.16E-05	4.80E-05	2.19E-05	1.44E-08	4.34E-08	2.52E-08	2.91E-08	2.64E-08	1.20E-08	5.48E-09	0.00E+00	0.00E+00	4.63E-09	9.87E-10	6.26E-09	9.66E-10	4.25E-10	1.33E-08
4384	473363.09	3857877.25	4.41E-05	5.10E-05	2.32E-05	1.53E-08	4.61E-08	2.67E-08	3.08E-08	2.80E-08	1.28E-08	5.81E-09	0.00E+00	0.00E+00	4.91E-09	1.05E-09	6.64E-09	1.02E-09	4.50E-10	1.41E-08
4385	473863.09	3857877.25	4.76E-05	5.50E-05	2.51E-05	1.65E-08	4.97E-08	2.88E-08	3.33E-08	3.02E-08	1.38E-08	6.27E-09	0.00E+00	0.00E+00	5.30E-09	1.13E-09	7.17E-09	1.11E-09	4.86E-10	1.52E-08
4386	474363.09	3857877.25	4.64E-05	5.36E-05	2.45E-05	1.61E-08	4.85E-08	2.81E-08	3.24E-08	2.94E-08	1.34E-08	6.13E-09	0.00E+00	0.00E+00	5.17E-09	1.10E-09	6.99E-09	1.08E-09	4.74E-10	1.48E-08
4387	474863.09	3857877.25	3.62E-05	4.19E-05	1.92E-05	1.25E-08	3.79E-08	2.19E-08	2.53E-08	2.30E-08	1.05E-08	4.80E-09	0.00E+00	0.00E+00	4.03E-09	8.60E-10	5.46E-09	8.41E-10	3.71E-10	1.16E-08
4388	475363.09	3857877.25	2.01E-05	2.32E-05	1.07E-05	6.96E-09	2.10E-08	1.22E-08	1.40E-08	1.27E-08	5.80E-09	2.69E-09	0.00E+00	0.00E+00	2.24E-09	4.76E-10	3.02E-09	4.66E-10	2.08E-10	6.41E-09
4389	475863.09	3857877.25	9.36E-06	1.08E-05	5.14E-06	3.24E-09	9.78E-09	5.66E-09	6.50E-09	5.90E-09	2.69E-09	1.29E-09	0.00E+00	0.00E+00	1.04E-09	2.21E-10	1.40E-09	2.16E-10	9.95E-11	2.98E-09
4390	476363.09	3857877.25	2.32E-05	2.68E-05	1.24E-05	8.04E-09	2.43E-08	1.40E-08	1.62E-08	1.47E-08	6.70E-09	3.10E-09	0.00E+00	0.00E+00	2.58E-09	5.50E-10	3.49E-09	5.38E-10	2.40E-10	7.40E-09
4391	476863.09	3857877.25	2.95E-05	3.40E-05	1.57E-05	1.02E-08	3.08E-08	1.78E-08	2.06E-08	1.87E-08	8.52E-09	3.92E-09	0.00E+00	0.00E+00	3.28E-09	6.99E-10	4.44E-09	6.84E-10	3.04E-10	9.40E-09
4392	477363.09	3857877.25	2.93E-05	3.38E-05	1.56E-05	1.01E-08	3.06E-08	1.77E-08	2.04E-08	1.85E-08	8.45E-09	3.90E-09	0.00E+00	0.00E+00	3.26E-09	6.94E-10	4.40E-09	6.79E-10	3.02E-10	9.33E-09
4393	477863.09	3857877.25	2.80E-05	3.23E-05	1.49E-05	9.69E-09	2.92E-08	1.69E-08	1.95E-08	1.77E-08	8.08E-09	3.74E-09	0.00E+00	0.00E+00	3.11E-09	6.63E-10	4.21E-09	6.49E-10	2.89E-10	8.92E-09
4394	478363.09	3857877.25	1.50E-05	1.72E-05	8.17E-06	5.19E-09	1.57E-08	9.07E-09	1.04E-08	9.46E-09	4.31E-09	2.05E-09	0.00E+00	0.00E+00	1.67E-09	3.54E-10	2.25E-09	3.46E-10	1.58E-10	4.77E-09
4395	478863.09	3857877.25	1.23E-05	1.41E-05	6.78E-06	4.26E-09	1.29E-08	7.45E-09	8.55E-09	7.75E-09	3.54E-09	1.70E-09	0.00E+00	0.00E+00	1.37E-09	2.90E-10	1.84E-09	2.84E-10	1.31E-10	3.92E-09
4396	479363.09	3857877.25	7.29E-05	8.42E-05	3.84E-05	2.52E-08	7.62E-08	4.41E-08	5.09E-08	4.62E-08	2.11E-08	9.62E-09	0.00E+00	0.00E+00	8.11E-09	1.73E-09	1.10E-08	1.69E-09	7.45E-10	2.33E-08
4397	479863.09	3857877.25	1.43E-04	1.65E-04	7.48E-05	4.94E-08	1.49E-07	8.63E-08	9.99E-08	9.05E-08	4.13E-08	1.87E-08	0.00E+00	0.00E+00	1.59E-08	3.39E-09	2.15E-08	3.32E-09	1.45E-09	4.55E-08
4398	480363.09	3857877.25	1.72E-04	1.98E-04	8.98E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.25E-08	0.00E+00	0.00E+00	1.91E-08	4.08E-09	2.59E-08	3.99E-09	1.74E-09	5.48E-08
4399	480863.09	3857877.25	1.93E-04	2.24E-04	1.01E-04	6.69E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.53E-08	0.00E+00	0.00E+00	2.15E-08	4.59E-09	2.91E-08	4.49E-09	1.96E-09	6.17E-08
4400	481363.09	3857877.25	2.21E-04	2.55E-04	1.15E-04	7.64E-08	2.31E-07	1.34E-07	1.55E-07	1.40E-07	6.39E-08	2.89E-08	0.00E+00	0.00E+00	2.46E-08	5.25E-09	3.33E-08	5.13E-09	2.24E-09	7.05E-08
4401	481863.09	3857877.25	2.55E-04	2.95E-04	1.33E-04	8.82E-08	2.66E-07	1.54E-07	1.78E-07	1.62E-07	7.38E-08	3.33E-08	0.00E+00	0.00E+00	2.84E-08	6.06E-09	3.84E-08	5.93E-09	2.58E-09	8.14E-08
4402	482363.09	3857877.25	2.97E-04	3.44E-04	1.55E-04	1.03E-07	3.10E-07	1.80E-07	2.08E-07	1.89E-07	8.60E-08	3.88E-08	0.00E+00	0.00E+00	3.31E-08	7.06E-09	4.48E-08	6.91E-09	3.01E-09	9.49E-08
4403	482863.09	3857877.25	3.23E-04	3.74E-04	1.69E-04	1.12E-07	3.38E-07	1.96E-07	2.26E-07	2.05E-07	9.36E-08	4.22E-08	0.00E+00	0.00E+00	3.60E-08	7.68E-09	4.87E-08	7.52E-09	3.27E-09	1.03E-07

4404	483363.09	3857877.25	3.77E-04	4.36E-04	1.97E-04	1.30E-07	3.94E-07	2.28E-07	2.64E-07	2.39E-07	1.09E-07	4.93E-08	0.00E+00	0.00E+00	4.20E-08	8.96E-09	5.69E-08	8.77E-09	3.81E-09	1.20E-07
4405	483863.09	3857877.25	4.39E-04	5.08E-04	2.29E-04	1.52E-07	4.59E-07	2.66E-07	3.08E-07	2.79E-07	1.27E-07	5.73E-08	0.00E+00	0.00E+00	4.89E-08	1.04E-08	6.62E-08	1.02E-08	4.44E-09	1.40E-07
4406	484363.09	3857877.25	5.10E-04	5.90E-04	2.66E-04	1.76E-07	5.33E-07	3.08E-07	3.57E-07	3.24E-07	1.48E-07	6.65E-08	0.00E+00	0.00E+00	5.67E-08	1.21E-08	7.69E-08	1.19E-08	5.15E-09	1.63E-07
4407	484863.09	3857877.25	5.84E-04	6.76E-04	3.05E-04	2.02E-07	6.10E-07	3.53E-07	4.09E-07	3.71E-07	1.69E-07	7.62E-08	0.00E+00	0.00E+00	6.50E-08	1.39E-08	8.81E-08	1.36E-08	5.90E-09	1.86E-07
4408	485363.09	3857877.25	6.57E-04	7.61E-04	3.43E-04	2.27E-07	6.87E-07	3.98E-07	4.60E-07	4.17E-07	1.90E-07	8.58E-08	0.00E+00	0.00E+00	7.32E-08	1.56E-08	9.91E-08	1.53E-08	6.64E-09	2.10E-07
4409	485863.09	3857877.25	7.37E-04	8.54E-04	3.85E-04	2.55E-07	7.71E-07	4.46E-07	5.16E-07	4.68E-07	2.14E-07	9.63E-08	0.00E+00	0.00E+00	8.21E-08	1.75E-08	1.11E-07	1.72E-08	7.46E-09	2.35E-07
4410	486363.09	3857877.25	8.13E-04	9.41E-04	4.25E-04	2.81E-07	8.50E-07	4.92E-07	5.69E-07	5.16E-07	2.36E-07	1.06E-07	0.00E+00	0.00E+00	9.05E-08	1.93E-08	1.23E-07	1.89E-08	8.23E-09	2.60E-07
4411	486863.09	3857877.25	8.36E-04	9.67E-04	4.37E-04	2.89E-07	8.73E-07	5.06E-07	5.85E-07	5.30E-07	2.42E-07	1.09E-07	0.00E+00	0.00E+00	9.30E-08	1.99E-08	1.26E-07	1.94E-08	8.47E-09	2.67E-07
4412	487363.09	3857877.25	9.66E-04	1.12E-03	5.07E-04	3.34E-07	1.01E-06	5.85E-07	6.76E-07	6.13E-07	2.80E-07	1.27E-07	0.00E+00	0.00E+00	1.08E-07	2.29E-08	1.46E-07	2.25E-08	9.83E-09	3.08E-07
4413	487863.09	3857877.25	1.02E-03	1.18E-03	5.42E-04	3.55E-07	1.07E-06	6.20E-07	7.16E-07	6.49E-07	2.96E-07	1.36E-07	0.00E+00	0.00E+00	1.14E-07	2.43E-08	1.54E-07	2.38E-08	1.05E-08	3.27E-07
4414	488363.09	3857877.25	1.22E-03	1.38E-03	7.47E-04	4.23E-07	1.28E-06	7.39E-07	8.34E-07	7.56E-07	3.45E-07	1.87E-07	0.00E+00	0.00E+00	1.36E-07	2.83E-08	1.80E-07	2.77E-08	1.45E-08	3.86E-07
4415	488863.09	3857877.25	1.09E-03	1.25E-03	6.18E-04	3.79E-07	1.14E-06	6.62E-07	7.56E-07	6.86E-07	3.13E-07	1.55E-07	0.00E+00	0.00E+00	1.22E-07	2.57E-08	1.63E-07	2.51E-08	1.20E-08	3.47E-07
4416	489363.09	3857877.25	1.01E-03	1.16E-03	5.47E-04	3.48E-07	1.05E-06	6.09E-07	7.00E-07	6.35E-07	2.90E-07	1.37E-07	0.00E+00	0.00E+00	1.12E-07	2.38E-08	1.51E-07	2.33E-08	1.06E-08	3.20E-07
4417	489863.09	3857877.25	9.27E-04	1.07E-03	4.98E-04	3.21E-07	9.69E-07	5.61E-07	6.47E-07	5.86E-07	2.67E-07	1.25E-07	0.00E+00	0.00E+00	1.03E-07	2.19E-08	1.39E-07	2.15E-08	9.64E-09	2.96E-07
4418	490363.09	3857877.25	8.48E-04	9.78E-04	4.53E-04	2.94E-07	8.86E-07	5.13E-07	5.92E-07	5.37E-07	2.45E-07	1.13E-07	0.00E+00	0.00E+00	9.44E-08	2.01E-08	1.27E-07	1.97E-08	8.77E-09	2.70E-07
4419	490863.09	3857877.25	7.78E-04	8.98E-04	4.14E-04	2.69E-07	8.13E-07	4.71E-07	5.43E-07	4.93E-07	2.25E-07	1.04E-07	0.00E+00	0.00E+00	8.66E-08	1.84E-08	1.17E-07	1.80E-08	8.02E-09	2.48E-07
4420	491363.09	3857877.25	7.13E-04	8.23E-04	3.79E-04	2.47E-07	7.45E-07	4.31E-07	4.98E-07	4.51E-07	2.06E-07	9.48E-08	0.00E+00	0.00E+00	7.94E-08	1.69E-08	1.07E-07	1.65E-08	7.34E-09	2.27E-07
4421	491863.09	3857877.25	6.38E-04	7.37E-04	3.39E-04	2.21E-07	6.67E-07	3.86E-07	4.46E-07	4.04E-07	1.84E-07	8.48E-08	0.00E+00	0.00E+00	7.10E-08	1.51E-08	9.60E-08	1.48E-08	6.57E-09	2.04E-07
4422	492363.09	3857877.25	4.80E-04	5.54E-04	2.56E-04	1.66E-07	5.02E-07	2.90E-07	3.35E-07	3.04E-07	1.39E-07	6.40E-08	0.00E+00	0.00E+00	5.34E-08	1.14E-08	7.22E-08	1.11E-08	4.95E-09	1.53E-07
4423	492863.09	3857877.25	3.21E-04	3.71E-04	1.72E-04	1.11E-07	3.36E-07	1.94E-07	2.24E-07	2.03E-07	9.28E-08	4.30E-08	0.00E+00	0.00E+00	3.58E-08	7.61E-09	4.83E-08	7.45E-09	3.33E-09	1.02E-07
4424	493363.09	3857877.25	2.62E-04	3.02E-04	1.40E-04	9.06E-08	2.73E-07	1.58E-07	1.83E-07	1.65E-07	7.55E-08	3.50E-08	0.00E+00	0.00E+00	2.91E-08	6.20E-09	3.93E-08	6.06E-09	2.71E-09	8.34E-08
4425	493863.09	3857877.25	2.31E-04	2.66E-04	1.23E-04	7.98E-08	2.41E-07	1.40E-07	1.61E-07	1.46E-07	6.66E-08	3.09E-08	0.00E+00	0.00E+00	2.57E-08	5.46E-09	3.47E-08	5.35E-09	2.39E-09	7.35E-08
4426	494363.09	3857877.25	2.09E-04	2.41E-04	1.12E-04	7.23E-08	2.18E-07	1.26E-07	1.46E-07	1.32E-07	6.03E-08	2.80E-08	0.00E+00	0.00E+00	2.33E-08	4.95E-09	3.14E-08	4.84E-09	2.17E-09	6.66E-08
4427	494863.09	3857877.25	1.76E-04	2.03E-04	9.44E-05	6.09E-08	1.84E-07	1.07E-07	1.23E-07	1.11E-07	5.08E-08	2.36E-08	0.00E+00	0.00E+00	1.96E-08	4.17E-09	2.65E-08	4.08E-09	1.83E-09	5.61E-08
4428	495363.09	3857877.25	1.64E-04	1.89E-04	8.80E-05	5.68E-08	1.72E-07	9.93E-08	1.14E-07	1.04E-07	4.74E-08	2.20E-08	0.00E+00	0.00E+00	1.83E-08	3.89E-09	2.47E-08	3.80E-09	1.71E-09	5.23E-08
4429	495863.09	3857877.25	1.54E-04	1.78E-04	8.26E-05	5.33E-08	1.61E-07	9.32E-08	1.07E-07	9.74E-08	4.44E-08	2.07E-08	0.00E+00	0.00E+00	1.71E-08	3.65E-09	2.31E-08	3.57E-09	1.60E-09	4.91E-08
4430	496363.09	3857877.25	1.54E-04	1.78E-04	8.27E-05	5.35E-08	1.61E-07	9.34E-08	1.08E-07	9.77E-08	4.46E-08	2.07E-08	0.00E+00	0.00E+00	1.72E-08	3.66E-09	2.32E-08	3.58E-09	1.60E-09	4.92E-08
4431	496863.09	3857877.25	1.53E-04	1.77E-04	8.21E-05	5.31E-08	1.60E-07	9.28E-08	1.07E-07	9.70E-08	4.43E-08	2.05E-08	0.00E+00	0.00E+00	1.71E-08	3.63E-09	2.31E-08	3.56E-09	1.59E-09	4.89E-08
4432	497363.09	3857877.25	1.50E-04	1.73E-04	8.03E-05	5.20E-08	1.57E-07	9.09E-08	1.05E-07	9.50E-08	4.34E-08	2.01E-08	0.00E+00	0.00E+00	1.67E-08	3.56E-09	2.26E-08	3.48E-09	1.56E-09	4.79E-08
4433	497863.09	3857877.25	1.71E-04	1.97E-04	9.10E-05	5.91E-08	1.79E-07	1.03E-07	1.19E-07	1.08E-07	4.93E-08	2.28E-08	0.00E+00	0.00E+00	1.90E-08	4.05E-09	2.57E-08	3.96E-09	1.76E-09	5.45E-08
4434	498363.09	3857877.25	1.92E-04	2.21E-04	1.02E-04	6.63E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.54E-08	2.55E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.45E-09	1.97E-09	6.11E-08
4435	471363.09	3858377.25	3.54E-05	4.09E-05	1.87E-05	1.23E-08	3.70E-08	2.14E-08	2.48E-08	2.25E-08	1.02E-08	4.67E-09	0.00E+00	0.00E+00	3.94E-09	8.41E-10	5.33E-09	8.23E-10	3.62E-10	1.13E-08
4436	471863.09	3858377.25	3.69E-05	4.27E-05	1.95E-05	1.28E-08	3.86E-08	2.23E-08	2.58E-08	2.34E-08	1.07E-08	4.87E-09	0.00E+00	0.00E+00	4.11E-09	8.76E-10	5.56E-09	8.57E-10	3.77E-10	1.18E-08
4437	472363.09	3858377.25	3.86E-05	4.46E-05	2.04E-05	1.34E-08	4.04E-08	2.34E-08	2.70E-08	2.45E-08	1.12E-08	5.09E-09	0.00E+00	0.00E+00	4.30E-09	9.17E-10	5.82E-09	8.97E-10	3.94E-10	1.23E-08
4438	472863.09	3858377.25	4.12E-05	4.76E-05	2.17E-05	1.43E-08	4.31E-08	2.49E-08	2.88E-08	2.61E-08	1.19E-08	5.44E-09	0.00E+00	0.00E+00	4.59E-09	9.79E-10	6.21E-09	9.58E-10	4.21E-10	1.32E-08
4439	473363.09	3858377.25	4.53E-05	5.24E-05	2.38E-05	1.57E-08	4.73E-08	2.74E-08	3.17E-08	2.87E-08	1.31E-08	5.97E-09	0.00E+00	0.00E+00	5.04E-09	1.08E-09	6.82E-09	1.05E-09	4.62E-10	1.45E-08
4440	473863.09	3858377.25	4.70E-05	5.44E-05	2.48E-05	1.63E-08	4.91E-08	2.84E-08	3.29E-08	2.98E-08	1.36E-08	6.20E-09	0.00E+00	0.00E+00	5.23E-09	1.12E-09	7.08E-09	1.09E-09	4.80E-10	1.50E-08
4441	474363.09	3858377.25	4.45E-05	5.14E-05	2.34E-05	1.54E-08	4.65E-08	2.69E-08	3.11E-08	2.82E-08	1.29E-08	5.87E-09	0.00E+00	0.00E+00	4.95E-09	1.06E-09	6.70E-09	1.03E-09	4.54E-10	1.42E-08
4442	474863.09	3858377.25	3.74E-05	4.32E-05	1.98E-05	1.29E-08	3.91E-08	2.26E-08	2.61E-08	2.37E-08	1.08E-08	4.94E-09	0.00E+00	0.00E+00	4.16E-09	8.87E-10	5.63E-09	8.68E-10	3.83E-10	1.19E-08
4443	475363.09	3858377.25	2.51E-05	2.89E-05	1.33E-05	8.67E-09	2.62E-08	1.52E-08	1.75E-08	1.59E-08	7.24E-09	3.34E-09	0.00E+00	0.00E+00	2.79E-09	5.94E-10	3.77E-09	5.81E-10	2.58E-10	7.99E-09
4444	475863.09	3858377.25	1.77E-05	2.04E-05	9.49E-06	6.12E-09	1.85E-08	1.07E-08	1.23E-08	1.12E-08	5.10E-09	2.37E-09	0.00E+00	0.00E+00	1.97E-09	4.18E-10	2.65E-09	4.09E-10	1.84E-10	5.63E-09
4445	476363.09	3858377.25	1.94E-05	2.24E-05	1.04E-05	6.71E-09	2.03E-08	1.17E-08	1.35E-08	1.23E-08	5.59E-09	2.60E-09	0.00E+00	0.00E+00	2.16E-09	4.59E-10	2.91E-09	4.49E-10	2.02E-10	6.18E-09
4446	476863.09	3858377.25	2.13E-05	2.46E-05	1.14E-05	7.38E-09	2.23E-08	1.29E-08	1.49E-08	1.35E-08	6.15E-09	2.86E-09	0.00E+00	0.00E+00	2.37E-09	5.05E-10	3.20E-09	4.94E-10	2.21E-10	6.79E-09
4447	477363.09	3858377.25	2.03E-05	2.34E-05	1.09E-05	7.02E-09	2.12E-08	1.23E-08	1.41E-08	1.28E-08	5.85E-09	2.73E-09	0.00E+00	0.00E+00	2.26E-09	4.80E-10	3.04E-09	4.70E-10	2.11E-10	6.46E-09
4448	477863.09	3858377.25	2.83E-05	3.26E-05	1.51E-05	9.79E-09	2.96E-08	1.71E-08	1.97E-08	1.79E-08	8.17E-09	3.78E-09	0.00E+00	0.00E+00	3.15E-09	6.70E-10	4.25E-09	6.56E-10	2.92E-10	9.02E-09
4449	478363.09	3858377.25	3.13E-05	3.62E-05	1.67E-05	1.09E-08	3.28E-08	1.90E-08	2.19E-08	1.98E-08	9.05E-09	4.18E-09	0.00E+00	0.00E+00	3.49E-09	7.43E-10	4.71E-09	7.27E-10	3.24E-10	1.00E-08
4450	478863.09	3858377.25	2.06E-05	2.37E-05	1.11E-05	7.12E-09	2.15E-08	1.24E-08	1.43E-08	1.30E-08	5.93E-09	2.78E-09	0.00E+00	0.00E+00	2.29E-09	4.86E-10	3.09E-09	4.76E-10	2.15E-10	6.55E-09
4451	479363.09	3858377.25	7.80E-05	9.02E-05	4.11E-05	2.70E-08	8.16E-08	4.72E-08	5.46E-08	4.95E-08	2.26E-08	1.03E-08	0.00E+00	0.00E+00	8.69E-09	1.85E-09	1.18E-08	1.81E-09	7.97E-10	2.49E-08
4452	479863.09	3858377.25	1.39E-04	1.60E-04	7.27E-05	4.80E-08	1.45E-07	8.39E-08	9.70E-08	8.80E-08	4.01E-08	1.82E-08	0.00E+00	0.00E+00	1.54E-08	3.29E-09	2.09E-08	3.22E-09	1.41E-09	4.43E-08
4453	480363.09	3858377.25	1.61E-04	1.86E-04	8.40E-05	5.56E-08	1.68E-07	9.71E-08	1.12E-07	1.02E-07	4.65E-08	2.10E-08	0.00E+00	0.00E+00	1.79E-08	3.81E-09	2.42E-08	3.73E-09	1.63E-09	5.13E-08
4454	480863.09	3858377.25	1.79E-04	2.07E-04	9.37E-05	6.20E-08	1.87E-07	1.08E-07	1.25E-07	1.14E-07	5.19E-08	2.35E-08	0.00E+00	0.00E+00	1.99E-08	4.26E-09	2.70E-08	4.16E-09	1.82E-09	5.72E-08
4455	481363.09	3858377.25	2.01E-04	2.32E-04	1.05E-04	6.95E-08	2.10E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.63E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.04E-09	6.41E-08
4456	481863.09	3858377.25	2.27E-04	2.63E-04	1.19E-04	7.86E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.58E-08	2.97E-08	0.00E+00	0.00E+00	2.53E-08	5.40E-09	3.43E-08	5.28E-09	2.30E-09	7.25E-08
4457	482363.09	3858377.25	2.61E-04	3.03E-04	1.37E-04	9.05E-08	2.73E-07	1.58E-07	1.83E-07	1.66E-07	7.57E-08	3.42E-08	0.00E+00	0.00E+00	2.91E-08	6.21E-09	3.94E-08	6.08E-09	2.65E-09	8.35E-08
4458	482863.09	3858377.25	2.98E-04	3.44E-04	1.55E-04	1.03E-07	3.11E-07	1.80E-07	2.08E-07	1.89E-07	8.62E-08	3.89E-08	0.00E+00	0.00E+00	3.31E-08	7.07E-09	4.49E-08	6.92E-09	3.01E-09	9.50E-08
4459	483363.09	3858377.25	3.19E-04	3.69E-04	1.66E-04	1.10E-07	3.33E-07	1.93E-07	2.23E-07	2.02E-07	9.23E-08	4.16E-08	0.00E+00	0.00E+00	3.55E-08	7.57E-09	4.81E-08	7.41E-09	3.22E-09	1.02E-07
4460	483863.09	3858377.25	3.47E-04	4.02E-04	1.81E-04	1.20E-07	3.63E-07	2.10E-07	2.43E-07	2.21E-07	1.01E-07	4.54E-08	0.00E+00	0.00E+00	3.87E-08	8.26E-09	5.24E-08	8.08E-09	3.52E-09	1.11E-07
4461	484363.09	3858377.25	3.86E-04	4.47E-04	2.02E-04	1.34E-07	4.04E-07	2.34E-07	2.70E-07	2.45E-07	1.12E-07	5.05E-08	0.00E+00	0.00E+00	4.30E-08	9.18E-09	5.83E-08	8.98E-09	3.91E-09	1.23E-07
4462	484863.09	3858377.25	4.19E-04	4.84E-04	2.19E-04	1.45E-07	4.37E-07	2.53E-07	2.93E-07	2.66E-07	1.21E-07	5.47E-08	0.00E+00	0.00E+00	4.66E-08	9.95E-09	6.31E-08	9.74E-09	4.24E-09	1.34E-07
4463	485363.09	3858377.25	4.49E-04	5.20E-04	2.35E-04	1.56E-07	4.70E-07	2.72E-07	3.15E-07	2.85E-07	1.30E-07	5.88E-08	0.00E+00	0.00E+00	5.00E-08	1.07E-08	6.78E-08	1.05E-08	4.55E-09	1.44E-07
4464	485863.09	3858377.25	4.84E-04	5.60E-04	2.53E-04	1.68E-07	5.06E-07	2.93E-07	3.39E-07	3.07E-07	1.40E-07	6.34E-08	0.00E+00	0.00E+00	5.39E-08	1.15E-08	7.30E-08	1.13E-08	4.91E-09	1.55E-07
4465	486363.09	3858377.25	4.89E-04	5.65E-04	2.57E-04	1.69E-07	5.11E-07	2.96E-07	3.42E-07	3.10E-07	1.41E-07	6.43E-08	0.00E+00	0.00E+00	5.44E-08	1.16E-08	7.36E-08	1.14E-08	4.98E-09	1.56E-07
4466	486863.09	3858377.25	4.86E-04	5.61E-04	2.57E-04	1.68E-07	5.08E-07	2.94E-07	3.39E-07	3.08E-07	1.40E-07	6.43E-08	0.00E+00	0.00E+00	5.41E-08	1.15E-08	7.31E-08	1.13E-08	4.98E-09	1.55E-07
4467	487363.09	3858377.25	5.13E-04	5.92E-04	2.72E-04	1.78E-07	5.36E-07	3.10E-07	3.58E-07	3.25E-07	1.48E-07	6.81E-08	0.00E+00	0.00E+00	5.71E-08	1.22E-08	7.72E-08	1.19E-08	5.27E-09	1.64E-07
4468	487863.09	3858377.25	5.64E-04	6.51E-04	3.00E-04	1.95E-07	5.89E-07	3.41E-07	3.94E-07	3.57E-07	1.63E-07	7.52E-08	0.00E+00	0.00E+00	6.28E-08	1.34E-08	8.48E-08	1.31E-08	5.82E-09	1.80E-07
4469	488363.09	3858377.25	5.87E-04	6.78E-04	3.12E-04	2.03E-07	6.14E-07	3.55E-07	4.10E-07	3.72E-07	1.70E-07	7.81E-08	0.00E+00	0.00E+00	6.54E-08	1.39E-08	8.84E-08	1.36E-08	6.05E-09	1.87E-07
4470	488863.09	3858377.25	5.72E-04	6.59E-04	3.08E-04	1.98E-07	5.97E-07	3.46E-07	3.99E-07	3.61E-07	1.65E-07	7.70E-08	0.00E+00	0.00E+00	6.36E-08	1.35E-08	8.58E-08	1.32E-08	5.96E-09	1.82E-07
4471	489363.09	3858377.25	5.99E-04	6.91E-04	3.21E-04	2.07E-07	6.26E-07	3.63E-07	4.18E-07	3.79E-07	1.73E-07	8.03E-08	0.00E+00	0.00E+00	6.67E-08	1.42E-08	9.01E-08	1.39E-08	6.21E-09	1.91E-07
4472	489863.09	3858377.25	6.13E-04	7.08E-04	3.27E-04	2.12E-07	6.41E-07	3.71E-07	4.28E-07	3.88E-07	1.77E-07	8.17E-08	0.00E+00	0.00E+00	6.82E-08	1.45E-08	9.22E-08	1.42E-08	6.33E-09	1.96E-07
4473	490363.09	3858377.25	5.98E-04	6.90E-04	3.18E-04	2.07E-07	6.25E-07	3.62E-07	4.18E-07	3.79E-07	1.73E-07	7.95E-08	0.00E+00	0.00E+00	6.65E-08	1.42E-08	8.99E-08	1.39E-08	6.16E-09	1.91E-07
4474	490863.09	3858377.25	5.68E-04	6.56E-04	3.02E-04	1.97E-07	5.94E-07	3.44E-07	3.97E-07	3.60E-07	1.64E-07	7.55E-08	0.00E+00	0.00E+00	6.32E-08	1.35E-08	8.55E-08	1.32E-08	5.85E-09	1.81E-07
4475	491363.09	3858377.25	5.36E-04	6.19E-04	2.84E-04	1.85E-07	5.60E-07	3.24E-07	3.74E-07	3.39E-07	1.55E-07	7.12E-08	0.00E+00	0.00E+00	5.96E-08	1.27E-08	8.06E-08	1.24E-08	5.51E-09	1.71E-07
4476	491863.09	3858377.25	4.63E-04	5.35E-04	2.47E-04	1.60E-07	4.84E-07	2.80E-07	3.24E-07	2.93E-07	1.34E-07	6.18E-08	0.00E+00	0.00E+00	5.16E-08	1.10E-08	6.97E-08	1.07E-08	4.78E-09	1.48E-07
4477	492363.09	3858377.25	3.12E-04	3.60E-04	1.67E-04	1.08E-07	3.26E-07	1.89E-07	2.18E-07	1.97E-07	9.00E-08	4.17E-08	0.00E+00	0.00E+00	3.47E-08	7.39E-09	4.69E-08	7.23E-09	3.23E-09	9.95E-08
4478	492863.09	3858377.25	3.36E-04	3.88E-04	1.79E-04	1.16E-07	3.51E-07	2.03E-07	2.35E-07	2.13E-07	9.71E-08	4.49E-08	0.00E+00	0.00E+00	3.74E-08	7.97E-09	5.06E-08	7.80E-09	3.47E-09	1.07E-07
4479	493363.09	3858377.25	2.83E-04	3.27E-04	1.51E-04	9.81E-08	2.96E-07	1.72E-07	1.98E-07	1.79E-07	8.19E-08	3.78E-08	0.00E+00	0.00E+00	3.16E-08	6.72E-09	4.26E-08	6.57E-09	2.93E-09	9.04E-08
4480	493863.09	3858377.25	2.57E-04	2.97E-04	1.37E-04	8.90E-08	2.69E-07	1.56E-07	1.80E-07	1.63E-07	7.43E-08	3.43E-08	0.00E+00	0.00E+00	2.86E-08	6.09E-09	3.87E-08	5.96E-09	2.66E-09	8.20E-08
4481	494363.09	3858377.25	2.27E-04	2.62E-04	1.21E-04	7.86E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.38E-09	3.42E-08	5.27E-09	2.35E-09	7.24E-08
4482	494863.09	3858377.25	2.03E-04	2.34E-04	1.08E-04	7.03E-08	2.12E-07	1.23E-07	1.42E-07	1.28E-07	5.86E-08	2.71E-08	0.00E+00	0.00E+00	2.26E-08	4.81E-09	3.05E-08	4.71E-09	2.10E-09	6.47E-08
4483	495363.09	3858377.25	1.77E-04	2.04E-04	9.45E-05	6.13E-08	1.85E-07	1.07E-07	1.24E-07	1.12E-07	5.11E-08	2.36E-08	0.00E+00	0.00E+00	1.97E-08	4.19E-09	2.66E-08	4.10E-09	1.83E-09	5.64E-08
4484	495863.09	3858377.25	1.72E-04	1.99E-04	9.18E-05	5.96E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.30E-08	0.00E+00	0.00E+00	1.92E-08	4.08E-09	2.59E-08	3.99E-09	1.78E-09	5.49E-08
4485	496363.09	3858377.25	1.66E-04	1.91E-04	8.84E-05	5.74E-08	1.73E-07	1.00E-07	1.16E-07	1.05E-07	4.79E-08	2.21E-08	0.00E+00	0.00E+00	1.84E-08	3.93E-09	2.49E-08	3.84E-09	1.71E-09	5.28E-08
4486	496863.09	3858377.25	1.73E-04	1.99E-04	9.19E-05	5.98E-08	1.80E-07	1.04E-07	1.21E-07	1.09E-07	4.99E-08	2.30E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.60E-08	4.00E-09	1.78E-09	5.51E-08
4487	497363.09	3858377.25	1.72E-04	1.99E-04	9.18E-05	5.97E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.30E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.59E-08	4.00E-09	1.78E-09	5.50E-08
4488	497863.09	3858377.25	1.88E-04	2.17E-04	9.99E-05	6.51E-08	1.97E-07	1.14E-07	1.31E-07	1.19E-07	5.44E-08	2.50E-08	0.00E+00	0.00E+00	2.09E-08	4.46E-09	2.83E-08	4.37E-09	1.94E-09	6.00E-08
4489	498363.09	3858377.25	2.07E-04	2.39E-04	1.10E-04	7.18E-08	2.17E-07	1.25E-07	1.45E-07	1.31E-07	5.99E-08	2.75E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.81E-09	2.13E-09	6.61E-08
4490	471363.09	3858877.25	3.47E-05	4.00E-05	1.83E-05	1.20E-08	3.62E-08	2.10E-08	2.42E-08	2.20E-08	1.00E-08	4.58E-09	0.00E+00	0.00E+00	3.86E-09	8.22E-10	5.22E-09	8.05E-10	3.54E-10	1.11E-08
4491	471863.09	3858877.25	3.61E-05	4.17E-05	1.91E-05	1.25E-08	3.77E-08	2.18E-08	2.52E-08	2.29E-08	1.04E-08	4.77E-09	0.00E+00	0.00E+00	4.02E-09	8.57E-10	5.44E-09	8.39E-10	3.69E-10	1.15E-08
4492	472363.09	3858877.25	3.87E-05	4.47E-05	2.04E-05	1.34E-08	4.05E-08	2.34E-08	2.71E-08	2.45E-08	1.12E-08	5.11E-09	0.00E+00	0.00E+00	4.31E-09	9.19E-10	5.83E-09	8.99E-10	3.96E-10	1.24E-08
4493	472863.09	3858877.25	4.14E-05	4.79E-05	2.18E-05	1.43E-08	4.33E-08	2.51E-08	2.90E-08	2.63E-08	1.20E-08	5.47E-09	0.00E+00	0.00E+00	4.61E-09	9.83E-10	6.24E-09	9.62E-10	4.23E-10	1.32E-08
4494	473363.09	3858877.25	4.52E-05	5.23E-05	2.38E-05	1.57E-08	4.73E-08	2.74E-08	3.16E-08	2.87E-08	1.31E-08	5.97E-09	0.00E+00	0.00E+00	5.03E-09	1.07E-09	6.81E-09	1.05E-09	4.62E-10	1.44E-08
4495	473863.09	3858877.25	4.77E-05	5.51E-05	2.51E-05	1.65E-08	4.99E-08	2.89E-08	3.34E-08	3.02E-08	1.38E-08	6.29E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.18E-09	1.11E-09	4.87E-10	1.52E-08
4496	474363.09	3858877.25	4.70E-05	5.44E-05	2.48E-05	1.63E-08	4.92E-08	2.85E-08	3.29E-08	2.98E-08	1.36E-08	6.22E-09	0.00E+00	0.00E+00	5.24E-09	1.12E-09	7.08E-09	1.09E-09	4.81E-10	1.50E-08
4497	474863.09	3858877.25	2.41E-05	2.78E-05	1.28E-05	8.34E-09	2.52E-08	1.46E-08	1.68E-08	1.52E-08	6.96E-09	3.21E-09	0.00E+00	0.00E+00	2.68E-09	5.71E-10	3.62E-09	5.59E-10	2.48E-10	7.68E-09
4498	475363.09	3858877.25	1.74E-05	2.00E-05	9.32E-06	6.01E-09	1.82E-08	1.05E-08	1.21E-08	1.10E-08	5.01E-09	2.33E-09	0.00E+00	0.00E+00	1.93E-09	4.11E-10	2.61E-09	4.02E-10	1.81E-10	5.54E-09
4499	475863.09	3858877.25	2.01E-05	2.32E-05	1.08E-05	6.97E-09	2.10E-08	1.22E-08	1.40E-08	1.27E-08	5.81E-09	2.69E-09	0.00E+00	0.00E+00	2.24E-09	4.77E-10	3.03E-09	4.67E-10	2.09E-10	6.42E-09
4500	476363.09	3858877.25	1.23E-05	1.41E-05	6.67E-06	4.25E-09	1.28E-08	7.43E-09	8.54E-09	7.74E-09	3.53E-09	1.67E-09	0.00E+00	0.00E+00	1.37E-09	2.90E-10	1.84E-09	2.84E-10	1.29E-10	3.91E-09
4501	476863.09	3858877.25	1.56E-05	1.80E-05	8.45E-06	5.41E-09	1.63E-08	9.46E-09	1.09E-08	9.88E-09	4.51E-09	2.11E-09	0.00E+00	0.00E+00	1.74E-09	3.70E-10	2.35E-09	3.62E-10	1.64E-10	4.98E-09
4502	477363.09	3858877.25	1.66E-05	1.91E-05	8.95E-06	5.74E-09	1.73E-08	1.00E-08	1.16E-08	1.05E-08	4.78E-09	2.24E-09	0.00E+00	0.00E+00	1.85E-09	3.92E-10	2.49E-09	3.84E-10	1.73E-10	5.28E-09
4503	477863.09	3858877.25	2.17E-05	2.50E-05	1.16E-05	7.51E-09	2.27E-08	1.31E-08	1.51E-08	1.37E-08	6.26E-09	2.91E-09	0.00E+00	0.00E+00	2.42E-09	5.14E-10	3.26E-09	5.03E-10	2.25E-10	6.92E-09
4504	478363.09	3858877.25	5.07E-05	5.86E-05	2.68E-05	1.76E-08	5.30E-08	3.07E-08	3.54E-08	3.21E-08	1.47E-08	6.71E-09	0.00E+00	0.00E+00	5.65E-09	1.20E-09	7.63E-09	1.18E-09	5.20E-10	1.62E-08
4505	478863.09	3858877.25	4.19E-05	4.84E-05	2.22E-05	1.45E-08	4.38E-08	2.54E-08	2.93E-08	2.65E-08	1.21E-08	5.56E-09	0.00E+00	0.00E+00	4.67E-09	9.94E-10	6.31E-09	9.73E-10	4.31E-10	1.34E-08
4506	479363.09	3858877.25	3.30E-05	3.81E-05	1.76E-05	1.14E-08	3.45E-08	2.00E-08	2.31E-08	2.09E-08	9.54E-09	4.40E-09	0.00E+00	0.00E+00	3.68E-09	7.83E-10	4.97E-09	7.66E-10	3.41E-10	1.05E-08
4507	479863.09	3858877.25	1.34E-04	1.55E-04	7.03E-05	4.64E-08	1.40E-07	8.12E-08	9.39E-08	8.51E-08	3.88E-08	1.76E-08	0.00E+00	0.00E+00	1.49E-08	3.19E-09	2.02E-08	3.12E-09	1.36E-09	4.28E-08
4508	480363.09	3858877.25	1.50E-04	1.73E-04	7.83E-05	5.18E-08	1.56E-07	9.05E-08	1.05E-07	9.49E-08	4.33E-08	1.96E-08	0.00E+00	0.00E+00	1.66E-08	3.55E-09	2.25E-08	3.48E-09	1.52E-09	4.77E-08

4509	480863.09	3858877.25	1.64E-04	1.90E-04	8.59E-05	5.68E-08	1.72E-07	9.94E-08	1.15E-07	1.04E-07	4.76E-08	2.15E-08	0.00E+00	0.00E+00	1.83E-08	3.90E-09	2.48E-08	3.82E-09	1.66E-09	5.24E-08
4510	481363.09	3858877.25	1.81E-04	2.09E-04	9.47E-05	6.27E-08	1.89E-07	1.10E-07	1.27E-07	1.15E-07	5.24E-08	2.37E-08	0.00E+00	0.00E+00	2.02E-08	4.30E-09	2.73E-08	4.21E-09	1.83E-09	5.78E-08
4511	481863.09	3858877.25	2.01E-04	2.33E-04	1.05E-04	6.96E-08	2.10E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.63E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.68E-09	2.04E-09	6.42E-08
4512	482363.09	3858877.25	2.24E-04	2.59E-04	1.17E-04	7.75E-08	2.34E-07	1.35E-07	1.57E-07	1.42E-07	6.49E-08	2.93E-08	0.00E+00	0.00E+00	2.49E-08	5.32E-09	3.38E-08	5.21E-09	2.27E-09	7.15E-08
4513	482863.09	3858877.25	2.51E-04	2.91E-04	1.31E-04	8.69E-08	2.63E-07	1.52E-07	1.76E-07	1.59E-07	7.27E-08	3.28E-08	0.00E+00	0.00E+00	2.80E-08	5.97E-09	3.79E-08	5.84E-09	2.54E-09	8.02E-08
4514	483363.09	3858877.25	2.57E-04	2.97E-04	1.34E-04	8.90E-08	2.69E-07	1.56E-07	1.80E-07	1.63E-07	7.45E-08	3.36E-08	0.00E+00	0.00E+00	2.86E-08	6.11E-09	3.88E-08	5.98E-09	2.60E-09	8.21E-08
4515	483863.09	3858877.25	2.73E-04	3.16E-04	1.43E-04	9.46E-08	2.85E-07	1.65E-07	1.91E-07	1.73E-07	7.91E-08	3.57E-08	0.00E+00	0.00E+00	3.04E-08	6.49E-09	4.12E-08	6.35E-09	2.77E-09	8.72E-08
4516	484363.09	3858877.25	2.98E-04	3.45E-04	1.56E-04	1.03E-07	3.11E-07	1.80E-07	2.09E-07	1.89E-07	8.63E-08	3.90E-08	0.00E+00	0.00E+00	3.32E-08	7.08E-09	4.49E-08	6.93E-09	3.02E-09	9.51E-08
4517	484863.09	3858877.25	3.20E-04	3.70E-04	1.67E-04	1.11E-07	3.34E-07	1.94E-07	2.24E-07	2.03E-07	9.26E-08	4.19E-08	0.00E+00	0.00E+00	3.56E-08	7.60E-09	4.82E-08	7.44E-09	3.24E-09	1.02E-07
4518	485363.09	3858877.25	3.34E-04	3.86E-04	1.75E-04	1.16E-07	3.49E-07	2.02E-07	2.34E-07	2.12E-07	9.66E-08	4.37E-08	0.00E+00	0.00E+00	3.71E-08	7.93E-09	5.03E-08	7.76E-09	3.39E-09	1.07E-07
4519	485863.09	3858877.25	3.44E-04	3.98E-04	1.80E-04	1.19E-07	3.59E-07	2.08E-07	2.41E-07	2.18E-07	9.95E-08	4.51E-08	0.00E+00	0.00E+00	3.83E-08	8.17E-09	5.18E-08	7.99E-09	3.50E-09	1.10E-07
4520	486363.09	3858877.25	3.37E-04	3.90E-04	1.77E-04	1.17E-07	3.52E-07	2.04E-07	2.36E-07	2.14E-07	9.75E-08	4.44E-08	0.00E+00	0.00E+00	3.75E-08	8.00E-09	5.08E-08	7.83E-09	3.44E-09	1.08E-07
4521	486863.09	3858877.25	3.35E-04	3.86E-04	1.78E-04	1.16E-07	3.50E-07	2.02E-07	2.34E-07	2.12E-07	9.67E-08	4.46E-08	0.00E+00	0.00E+00	3.72E-08	7.93E-09	5.03E-08	7.76E-09	3.45E-09	1.07E-07
4522	487363.09	3858877.25	3.69E-04	4.24E-04	2.02E-04	1.28E-07	3.86E-07	2.23E-07	2.56E-07	2.32E-07	1.06E-07	5.06E-08	0.00E+00	0.00E+00	4.11E-08	8.70E-09	5.52E-08	8.52E-09	3.92E-09	1.17E-07
4523	487863.09	3858877.25	3.74E-04	4.31E-04	2.01E-04	1.29E-07	3.91E-07	2.26E-07	2.61E-07	2.36E-07	1.08E-07	5.03E-08	0.00E+00	0.00E+00	4.16E-08	8.85E-09	5.61E-08	8.66E-09	3.89E-09	1.19E-07
4524	488363.09	3858877.25	3.91E-04	4.52E-04	2.09E-04	1.36E-07	4.09E-07	2.37E-07	2.73E-07	2.48E-07	1.13E-07	5.22E-08	0.00E+00	0.00E+00	4.36E-08	9.28E-09	5.89E-08	9.08E-09	4.04E-09	1.25E-07
4525	488863.09	3858877.25	4.08E-04	4.71E-04	2.17E-04	1.41E-07	4.27E-07	2.47E-07	2.85E-07	2.59E-07	1.18E-07	5.43E-08	0.00E+00	0.00E+00	4.55E-08	9.68E-09	6.14E-08	9.47E-09	4.21E-09	1.30E-07
4526	489363.09	3858877.25	3.86E-04	4.46E-04	2.06E-04	1.34E-07	4.04E-07	2.34E-07	2.70E-07	2.44E-07	1.12E-07	5.15E-08	0.00E+00	0.00E+00	4.30E-08	9.15E-09	5.81E-08	8.95E-09	3.99E-09	1.23E-07
4527	489863.09	3858877.25	3.88E-04	4.48E-04	2.07E-04	1.34E-07	4.06E-07	2.35E-07	2.71E-07	2.46E-07	1.12E-07	5.18E-08	0.00E+00	0.00E+00	4.32E-08	9.21E-09	5.84E-08	9.01E-09	4.01E-09	1.24E-07
4528	490363.09	3858877.25	4.13E-04	4.77E-04	2.19E-04	1.43E-07	4.32E-07	2.50E-07	2.89E-07	2.62E-07	1.19E-07	5.49E-08	0.00E+00	0.00E+00	4.60E-08	9.80E-09	6.22E-08	9.59E-09	4.25E-09	1.32E-07
4529	490863.09	3858877.25	4.24E-04	4.90E-04	2.25E-04	1.47E-07	4.44E-07	2.57E-07	2.97E-07	2.69E-07	1.23E-07	5.63E-08	0.00E+00	0.00E+00	4.72E-08	1.01E-08	6.39E-08	9.85E-09	4.36E-09	1.35E-07
4530	491363.09	3858877.25	3.96E-04	4.57E-04	2.10E-04	1.37E-07	4.14E-07	2.40E-07	2.77E-07	2.51E-07	1.14E-07	5.27E-08	0.00E+00	0.00E+00	4.41E-08	9.39E-09	5.96E-08	9.19E-09	4.08E-09	1.26E-07
4531	491863.09	3858877.25	3.10E-04	3.58E-04	1.66E-04	1.07E-07	3.24E-07	1.88E-07	2.17E-07	1.96E-07	8.96E-08	4.15E-08	0.00E+00	0.00E+00	3.45E-08	7.35E-09	4.67E-08	7.20E-09	3.21E-09	9.90E-08
4532	492363.09	3858877.25	3.35E-04	3.86E-04	1.78E-04	1.16E-07	3.50E-07	2.03E-07	2.34E-07	2.12E-07	9.67E-08	4.46E-08	0.00E+00	0.00E+00	3.73E-08	7.94E-09	5.04E-08	7.77E-09	3.45E-09	1.07E-07
4533	492863.09	3858877.25	3.43E-04	3.96E-04	1.82E-04	1.19E-07	3.58E-07	2.07E-07	2.39E-07	2.17E-07	9.90E-08	4.55E-08	0.00E+00	0.00E+00	3.81E-08	8.13E-09	5.16E-08	7.95E-09	3.53E-09	1.09E-07
4534	493363.09	3858877.25	3.18E-04	3.67E-04	1.69E-04	1.10E-07	3.32E-07	1.92E-07	2.22E-07	2.01E-07	9.19E-08	4.23E-08	0.00E+00	0.00E+00	3.54E-08	7.54E-09	4.78E-08	7.38E-09	3.27E-09	1.01E-07
4535	493863.09	3858877.25	2.70E-04	3.11E-04	1.44E-04	9.34E-08	2.82E-07	1.63E-07	1.88E-07	1.71E-07	7.79E-08	3.59E-08	0.00E+00	0.00E+00	3.00E-08	6.39E-09	4.06E-08	6.26E-09	2.78E-09	8.60E-08
4536	494363.09	3858877.25	2.50E-04	2.89E-04	1.33E-04	8.67E-08	2.62E-07	1.52E-07	1.75E-07	1.59E-07	7.23E-08	3.34E-08	0.00E+00	0.00E+00	2.79E-08	5.94E-09	3.77E-08	5.81E-09	2.58E-09	7.99E-08
4537	494863.09	3858877.25	2.25E-04	2.60E-04	1.20E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.42E-07	6.50E-08	2.99E-08	0.00E+00	0.00E+00	2.50E-08	5.33E-09	3.38E-08	5.22E-09	2.32E-09	7.17E-08
4538	495363.09	3858877.25	2.02E-04	2.33E-04	1.07E-04	7.00E-08	2.11E-07	1.22E-07	1.41E-07	1.28E-07	5.84E-08	2.69E-08	0.00E+00	0.00E+00	2.25E-08	4.79E-09	3.04E-08	4.69E-09	2.08E-09	6.45E-08
4539	495863.09	3858877.25	1.91E-04	2.20E-04	1.02E-04	6.61E-08	2.00E-07	1.16E-07	1.33E-07	1.21E-07	5.52E-08	2.54E-08	0.00E+00	0.00E+00	2.13E-08	4.53E-09	2.87E-08	4.43E-09	1.97E-09	6.09E-08
4540	496363.09	3858877.25	1.88E-04	2.17E-04	9.98E-05	6.50E-08	1.96E-07	1.14E-07	1.31E-07	1.19E-07	5.42E-08	2.50E-08	0.00E+00	0.00E+00	2.09E-08	4.45E-09	2.82E-08	4.35E-09	1.93E-09	5.99E-08
4541	496863.09	3858877.25	1.85E-04	2.13E-04	9.81E-05	6.39E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.34E-08	2.46E-08	0.00E+00	0.00E+00	2.06E-08	4.38E-09	2.78E-08	4.29E-09	1.90E-09	5.89E-08
4542	497363.09	3858877.25	1.81E-04	2.09E-04	9.61E-05	6.27E-08	1.89E-07	1.10E-07	1.26E-07	1.15E-07	5.23E-08	2.41E-08	0.00E+00	0.00E+00	2.02E-08	4.29E-09	2.72E-08	4.20E-09	1.86E-09	5.77E-08
4543	497863.09	3858877.25	1.99E-04	2.29E-04	1.05E-04	6.88E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.64E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.04E-09	6.34E-08
4544	498363.09	3858877.25	2.10E-04	2.43E-04	1.11E-04	7.27E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.88E-09	2.16E-09	6.70E-08
4545	471363.09	3859377.25	3.43E-05	3.97E-05	1.81E-05	1.19E-08	3.59E-08	2.08E-08	2.40E-08	2.18E-08	9.93E-09	4.54E-09	0.00E+00	0.00E+00	3.82E-09	8.15E-10	5.17E-09	7.97E-10	3.52E-10	1.10E-08
4546	471863.09	3859377.25	3.66E-05	4.22E-05	1.93E-05	1.27E-08	3.82E-08	2.21E-08	2.56E-08	2.32E-08	1.06E-08	4.83E-09	0.00E+00	0.00E+00	4.07E-09	8.68E-10	5.50E-09	8.49E-10	3.74E-10	1.17E-08
4547	472363.09	3859377.25	3.96E-05	4.57E-05	2.09E-05	1.37E-08	4.14E-08	2.40E-08	2.77E-08	2.51E-08	1.14E-08	5.23E-09	0.00E+00	0.00E+00	4.41E-09	9.40E-10	5.96E-09	9.19E-10	4.05E-10	1.26E-08
4548	472863.09	3859377.25	4.26E-05	4.92E-05	2.25E-05	1.47E-08	4.45E-08	2.58E-08	2.98E-08	2.70E-08	1.23E-08	5.62E-09	0.00E+00	0.00E+00	4.74E-09	1.01E-09	6.41E-09	9.89E-10	4.35E-10	1.36E-08
4549	473363.09	3859377.25	4.59E-05	5.31E-05	2.42E-05	1.59E-08	4.80E-08	2.78E-08	3.21E-08	2.91E-08	1.33E-08	6.05E-09	0.00E+00	0.00E+00	5.11E-09	1.09E-09	6.91E-09	1.07E-09	4.69E-10	1.46E-08
4550	473863.09	3859377.25	4.88E-05	5.64E-05	2.57E-05	1.69E-08	5.10E-08	2.95E-08	3.41E-08	3.09E-08	1.41E-08	6.43E-09	0.00E+00	0.00E+00	5.43E-09	1.16E-09	7.35E-09	1.13E-09	4.98E-10	1.56E-08
4551	474363.09	3859377.25	4.79E-05	5.54E-05	2.53E-05	1.66E-08	5.01E-08	2.90E-08	3.35E-08	3.04E-08	1.39E-08	6.34E-09	0.00E+00	0.00E+00	5.33E-09	1.14E-09	7.22E-09	1.11E-09	4.91E-10	1.53E-08
4552	474863.09	3859377.25	3.80E-05	4.39E-05	2.01E-05	1.32E-08	3.97E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	5.03E-09	0.00E+00	0.00E+00	4.23E-09	9.02E-10	5.72E-09	8.82E-10	3.90E-10	1.21E-08
4553	475363.09	3859377.25	2.45E-05	2.83E-05	1.30E-05	8.47E-09	2.56E-08	1.48E-08	1.71E-08	1.55E-08	7.07E-09	3.26E-09	0.00E+00	0.00E+00	2.72E-09	5.80E-10	3.68E-09	5.68E-10	2.52E-10	7.81E-09
4554	475863.09	3859377.25	1.52E-05	1.76E-05	8.20E-06	5.28E-09	1.59E-08	9.22E-09	1.06E-08	9.64E-09	4.40E-09	2.05E-09	0.00E+00	0.00E+00	1.70E-09	3.61E-10	2.29E-09	3.53E-10	1.59E-10	4.86E-09
4555	476363.09	3859377.25	1.38E-05	1.59E-05	7.44E-06	4.77E-09	1.44E-08	8.34E-09	9.61E-09	8.71E-09	3.97E-09	1.86E-09	0.00E+00	0.00E+00	1.53E-09	3.26E-10	2.07E-09	3.19E-10	1.44E-10	4.39E-09
4556	476863.09	3859377.25	1.11E-05	1.28E-05	6.08E-06	3.86E-09	1.17E-08	6.74E-09	7.76E-09	7.03E-09	3.21E-09	1.52E-09	0.00E+00	0.00E+00	1.24E-09	2.63E-10	1.67E-09	2.58E-10	1.18E-10	3.55E-09
4557	477363.09	3859377.25	1.24E-05	1.43E-05	6.73E-06	4.29E-09	1.29E-08	7.50E-09	8.62E-09	7.82E-09	3.57E-09	1.69E-09	0.00E+00	0.00E+00	1.38E-09	2.93E-10	1.86E-09	2.86E-10	1.31E-10	3.95E-09
4558	477863.09	3859377.25	2.53E-05	2.91E-05	1.35E-05	8.74E-09	2.64E-08	1.53E-08	1.76E-08	1.60E-08	7.30E-09	3.37E-09	0.00E+00	0.00E+00	2.81E-09	5.99E-10	3.80E-09	5.86E-10	2.61E-10	8.06E-09
4559	478363.09	3859377.25	4.38E-05	5.06E-05	2.32E-05	1.52E-08	4.58E-08	2.65E-08	3.06E-08	2.78E-08	1.27E-08	5.80E-09	0.00E+00	0.00E+00	4.88E-09	1.04E-09	6.60E-09	1.02E-09	4.49E-10	1.40E-08
4560	478863.09	3859377.25	7.50E-05	8.67E-05	3.96E-05	2.60E-08	7.84E-08	4.54E-08	5.24E-08	4.75E-08	2.17E-08	9.90E-09	0.00E+00	0.00E+00	8.35E-09	1.78E-09	1.13E-08	1.74E-09	7.67E-10	2.39E-08
4561	479363.09	3859377.25	1.02E-04	1.18E-04	5.38E-05	3.54E-08	1.07E-07	6.19E-08	7.15E-08	6.48E-08	2.96E-08	1.35E-08	0.00E+00	0.00E+00	1.14E-08	2.43E-09	1.54E-08	2.38E-09	1.04E-09	3.26E-08
4562	479863.09	3859377.25	1.21E-04	1.40E-04	6.34E-05	4.18E-08	1.26E-07	7.31E-08	8.46E-08	7.66E-08	3.50E-08	1.59E-08	0.00E+00	0.00E+00	1.34E-08	2.87E-09	1.82E-08	2.81E-09	1.23E-09	3.86E-08
4563	480363.09	3859377.25	1.34E-04	1.55E-04	7.01E-05	4.63E-08	1.40E-07	8.09E-08	9.36E-08	8.49E-08	3.87E-08	1.75E-08	0.00E+00	0.00E+00	1.49E-08	3.18E-09	2.02E-08	3.11E-09	1.36E-09	4.27E-08
4564	480863.09	3859377.25	1.45E-04	1.68E-04	7.62E-05	5.04E-08	1.52E-07	8.80E-08	1.02E-07	9.23E-08	4.21E-08	1.91E-08	0.00E+00	0.00E+00	1.62E-08	3.46E-09	2.19E-08	3.38E-09	1.48E-09	4.64E-08
4565	481363.09	3859377.25	1.59E-04	1.84E-04	8.33E-05	5.51E-08	1.66E-07	9.63E-08	1.11E-07	1.01E-07	4.61E-08	2.08E-08	0.00E+00	0.00E+00	1.77E-08	3.78E-09	2.40E-08	3.70E-09	1.61E-09	5.08E-08
4566	481863.09	3859377.25	1.74E-04	2.01E-04	9.09E-05	6.01E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.03E-08	2.27E-08	0.00E+00	0.00E+00	1.93E-08	4.13E-09	2.62E-08	4.04E-09	1.76E-09	5.54E-08
4567	482363.09	3859377.25	1.90E-04	2.20E-04	9.94E-05	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.50E-08	2.49E-08	0.00E+00	0.00E+00	2.11E-08	4.51E-09	2.86E-08	4.42E-09	1.93E-09	6.07E-08
4568	482863.09	3859377.25	2.05E-04	2.38E-04	1.08E-04	7.11E-08	2.15E-07	1.24E-07	1.44E-07	1.30E-07	5.95E-08	2.69E-08	0.00E+00	0.00E+00	2.29E-08	4.88E-09	3.10E-08	4.78E-09	2.08E-09	6.56E-08
4569	483363.09	3859377.25	2.18E-04	2.52E-04	1.14E-04	7.54E-08	2.28E-07	1.32E-07	1.53E-07	1.38E-07	6.31E-08	2.85E-08	0.00E+00	0.00E+00	2.43E-08	5.18E-09	3.29E-08	5.07E-09	2.21E-09	6.96E-08
4570	483863.09	3859377.25	2.25E-04	2.60E-04	1.18E-04	7.78E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.51E-08	2.95E-08	0.00E+00	0.00E+00	2.50E-08	5.34E-09	3.39E-08	5.23E-09	2.28E-09	7.18E-08
4571	484363.09	3859377.25	2.40E-04	2.78E-04	1.26E-04	8.32E-08	2.51E-07	1.45E-07	1.68E-07	1.53E-07	6.96E-08	3.15E-08	0.00E+00	0.00E+00	2.68E-08	5.71E-09	3.63E-08	5.59E-09	2.44E-09	7.68E-08
4572	484863.09	3859377.25	2.54E-04	2.94E-04	1.33E-04	8.80E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.36E-08	3.33E-08	0.00E+00	0.00E+00	2.83E-08	6.04E-09	3.83E-08	5.91E-09	2.58E-09	8.12E-08
4573	485363.09	3859377.25	2.56E-04	2.96E-04	1.34E-04	8.86E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.41E-08	3.36E-08	0.00E+00	0.00E+00	2.85E-08	6.08E-09	3.86E-08	5.95E-09	2.60E-09	8.17E-08
4574	485863.09	3859377.25	2.53E-04	2.92E-04	1.33E-04	8.75E-08	2.64E-07	1.53E-07	1.77E-07	1.60E-07	7.32E-08	3.32E-08	0.00E+00	0.00E+00	2.81E-08	6.01E-09	3.81E-08	5.88E-09	2.57E-09	8.07E-08
4575	486363.09	3859377.25	2.51E-04	2.91E-04	1.32E-04	8.71E-08	2.63E-07	1.52E-07	1.76E-07	1.59E-07	7.28E-08	3.31E-08	0.00E+00	0.00E+00	2.80E-08	5.97E-09	3.79E-08	5.84E-09	2.56E-09	8.03E-08
4576	486863.09	3859377.25	2.46E-04	2.84E-04	1.30E-04	8.51E-08	2.57E-07	1.49E-07	1.72E-07	1.56E-07	7.11E-08	3.26E-08	0.00E+00	0.00E+00	2.74E-08	5.83E-09	3.70E-08	5.71E-09	2.52E-09	7.85E-08
4577	487363.09	3859377.25	2.57E-04	2.96E-04	1.37E-04	8.89E-08	2.68E-07	1.55E-07	1.79E-07	1.62E-07	7.41E-08	3.43E-08	0.00E+00	0.00E+00	2.86E-08	6.08E-09	3.86E-08	5.95E-09	2.65E-09	8.19E-08
4578	487863.09	3859377.25	2.68E-04	3.09E-04	1.44E-04	9.28E-08	2.80E-07	1.62E-07	1.87E-07	1.69E-07	7.73E-08	3.60E-08	0.00E+00	0.00E+00	2.98E-08	6.35E-09	4.03E-08	6.21E-09	2.79E-09	8.54E-08
4579	488363.09	3859377.25	2.87E-04	3.31E-04	1.57E-04	9.95E-08	3.00E-07	1.74E-07	2.00E-07	1.81E-07	8.27E-08	3.92E-08	0.00E+00	0.00E+00	3.20E-08	6.79E-09	4.31E-08	6.64E-09	3.04E-09	9.15E-08
4580	488863.09	3859377.25	3.02E-04	3.47E-04	1.66E-04	1.05E-07	3.16E-07	1.83E-07	2.10E-07	1.90E-07	8.69E-08	4.15E-08	0.00E+00	0.00E+00	3.36E-08	7.13E-09	4.52E-08	6.98E-09	3.21E-09	9.62E-08
4581	489363.09	3859377.25	3.10E-04	3.57E-04	1.68E-04	1.07E-07	3.24E-07	1.88E-07	2.16E-07	1.96E-07	8.94E-08	4.20E-08	0.00E+00	0.00E+00	3.45E-08	7.34E-09	4.66E-08	7.18E-09	3.25E-09	9.89E-08
4582	489863.09	3859377.25	2.90E-04	3.35E-04	1.56E-04	1.00E-07	3.03E-07	1.76E-07	2.02E-07	1.84E-07	8.38E-08	3.90E-08	0.00E+00	0.00E+00	3.23E-08	6.87E-09	4.36E-08	6.73E-09	3.02E-09	9.25E-08
4583	490363.09	3859377.25	2.83E-04	3.26E-04	1.51E-04	9.79E-08	2.96E-07	1.71E-07	1.97E-07	1.79E-07	8.16E-08	3.78E-08	0.00E+00	0.00E+00	3.15E-08	6.70E-09	4.25E-08	6.56E-09	2.92E-09	9.02E-08
4584	490863.09	3859377.25	2.95E-04	3.40E-04	1.57E-04	1.02E-07	3.08E-07	1.78E-07	2.06E-07	1.87E-07	8.52E-08	3.92E-08	0.00E+00	0.00E+00	3.28E-08	6.99E-09	4.44E-08	6.84E-09	3.04E-09	9.41E-08
4585	491363.09	3859377.25	2.95E-04	3.40E-04	1.57E-04	1.02E-07	3.08E-07	1.78E-07	2.06E-07	1.87E-07	8.52E-08	3.92E-08	0.00E+00	0.00E+00	3.28E-08	6.99E-09	4.43E-08	6.84E-09	3.03E-09	9.40E-08
4586	491863.09	3859377.25	3.11E-04	3.60E-04	1.65E-04	1.08E-07	3.25E-07	1.88E-07	2.18E-07	1.97E-07	9.00E-08	4.13E-08	0.00E+00	0.00E+00	3.47E-08	7.39E-09	4.69E-08	7.23E-09	3.19E-09	9.93E-08
4587	492363.09	3859377.25	3.04E-04	3.51E-04	1.61E-04	1.05E-07	3.17E-07	1.84E-07	2.12E-07	1.92E-07	8.78E-08	4.02E-08	0.00E+00	0.00E+00	3.38E-08	7.20E-09	4.57E-08	7.05E-09	3.11E-09	9.69E-08
4588	492863.09	3859377.25	2.91E-04	3.37E-04	1.54E-04	1.01E-07	3.05E-07	1.76E-07	2.04E-07	1.85E-07	8.43E-08	3.86E-08	0.00E+00	0.00E+00	3.24E-08	6.91E-09	4.39E-08	6.77E-09	2.99E-09	9.30E-08
4589	493363.09	3859377.25	2.75E-04	3.17E-04	1.45E-04	9.50E-08	2.87E-07	1.66E-07	1.92E-07	1.74E-07	7.94E-08	3.64E-08	0.00E+00	0.00E+00	3.06E-08	6.51E-09	4.13E-08	6.37E-09	2.82E-09	8.76E-08
4590	493863.09	3859377.25	2.64E-04	3.05E-04	1.40E-04	9.13E-08	2.76E-07	1.60E-07	1.84E-07	1.67E-07	7.62E-08	3.50E-08	0.00E+00	0.00E+00	2.94E-08	6.26E-09	3.97E-08	6.12E-09	2.71E-09	8.41E-08
4591	494363.09	3859377.25	2.51E-04	2.90E-04	1.33E-04	8.68E-08	2.62E-07	1.52E-07	1.75E-07	1.59E-07	7.25E-08	3.33E-08	0.00E+00	0.00E+00	2.79E-08	5.95E-09	3.77E-08	5.82E-09	2.57E-09	8.00E-08
4592	494863.09	3859377.25	2.27E-04	2.62E-04	1.20E-04	7.86E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	3.02E-08	0.00E+00	0.00E+00	2.53E-08	5.39E-09	3.42E-08	5.27E-09	2.33E-09	7.25E-08
4593	495363.09	3859377.25	2.17E-04	2.51E-04	1.15E-04	7.52E-08	2.27E-07	1.31E-07	1.52E-07	1.38E-07	6.27E-08	2.88E-08	0.00E+00	0.00E+00	2.42E-08	5.15E-09	3.27E-08	5.04E-09	2.23E-09	6.93E-08
4594	495863.09	3859377.25	2.04E-04	2.35E-04	1.08E-04	7.05E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.83E-09	3.06E-08	4.72E-09	2.09E-09	6.49E-08
4595	496363.09	3859377.25	2.01E-04	2.32E-04	1.07E-04	6.96E-08	2.10E-07	1.22E-07	1.40E-07	1.27E-07	5.81E-08	2.67E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.66E-09	2.07E-09	6.41E-08
4596	496863.09	3859377.25	1.85E-04	2.13E-04	9.79E-05	6.39E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.45E-08	0.00E+00	0.00E+00	2.05E-08	4.38E-09	2.78E-08	4.28E-09	1.90E-09	5.89E-08
4597	497363.09	3859377.25	1.89E-04	2.18E-04	1.00E-04	6.54E-08	1.97E-07	1.14E-07	1.32E-07	1.20E-07	5.46E-08	2.51E-08	0.00E+00	0.00E+00	2.10E-08	4.48E-09	2.84E-08	4.38E-09	1.94E-09	6.03E-08
4598	497863.09	3859377.25	1.96E-04	2.27E-04	1.04E-04	6.79E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.60E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.01E-09	6.26E-08
4599	498363.09	3859377.25	1.96E-04	2.26E-04	1.04E-04	6.79E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.67E-08	2.60E-08	0.00E+00	0.00E+00	2.18E-08	4.65E-09	2.95E-08	4.55E-09	2.01E-09	6.25E-08
4600	471363.09	3859877.25	3.58E-05	4.14E-05	1.89E-05	1.24E-08	3.74E-08	2.17E-08	2.50E-08	2.27E-08	1.04E-08	4.73E-09	0.00E+00	0.00E+00	3.98E-09	8.49E-10	5.39E-09	8.31E-10	3.66E-10	1.14E-08
4601	471863.09	3859877.25	3.81E-05	4.41E-05	2.01E-05	1.32E-08	3.99E-08	2.31E-08	2.67E-08	2.42E-08	1.10E-08	5.03E-09	0.00E+00	0.00E+00	4.25E-09	9.06E-10	5.75E-09	8.86E-10	3.90E-10	1.22E-08
4602	472363.09	3859877.25	4.05E-05	4.68E-05	2.13E-05	1.40E-08	4.23E-08	2.45E-08	2.83E-08	2.57E-08	1.17E-08	5.34E-09	0.00E+00	0.00E+00	4.51E-09	9.61E-10	6.10E-09	9.40E-10	4.13E-10	1.29E-08
4603	472863.09	3859877.25	4.33E-05	5.01E-05	2.28E-05	1.50E-08	4.53E-08	2.62E-08	3.03E-08	2.75E-08	1.25E-08	5.71E-09	0.00E+00	0.00E+00	4.83E-09	1.03E-09	6.53E-09	1.01E-09	4.42E-10	1.38E-08
4604	473363.09	3859877.25	4.63E-05	5.35E-05	2.43E-05	1.60E-08	4.84E-08	2.80E-08	3.24E-08	2.93E-08	1.34E-08	6.09E-09	0.00E+00	0.00E+00	5.15E-09	1.10E-09	6.97E-09	1.07E-09	4.72E-10	1.48E-08
4605	473863.09	3859877.25	4.92E-05	5.69E-05	2.59E-05	1.70E-08	5.14E-08	2.98E-08	3.44E-08	3.12E-08	1.42E-08	6.47E-09	0.00E+00	0.00E+00	5.48E-09	1.17E-09	7.41E-09	1.14E-09	5.01E-10	1.57E-08
4606	474363.09	3859877.25	4.99E-05	5.77E-05	2.63E-05	1.73E-08	5.22E-08	3.02E-08	3.49E-08	3.16E-08	1.44E-08	6.59E-09	0.00E+00	0.00E+00	5.56E-09	1.18E-09	7.52E-09	1.16E-09	5.10E-10	1.59E-08
4607	474863.09	3859877.25	4.70E-05	5.43E-05	2.48E-05	1.63E-08	4.91E-08	2.84E-08	3.29E-08	2.98E-08	1.36E-08	6.22E-09	0.00E+00	0.00E+00	5.23E-09	1.12E-09	7.08E-09	1.09E-09	4.81E-10	1.50E-08
4608	475363.09	3859877.25	3.10E-05	3.58E-05	1.64E-05	1.07E-08	3.24E-08	1.88E-08	2.17E-08	1.96E-08	8.96E-09	4.11E-09	0.00E+00	0.00E+00	3.45E-09	7.36E-10	4.67E-09	7.20E-10	3.18E-10	9.89E-09
4609	475863.09	3859877.25	1.50E-05	1.73E-05	8.06E-06	5.19E-09	1.57E-08	9.08E-09	1.05E-08	9.49E-09	4.33E-09	2.02E-09	0.00E+00	0.00E+00	1.67E-09	3.55E-10	2.25E-09	3.48E-10	1.56E-10	4.78E-09
4610	476363.09	3859877.25	8.82E-06	1.01E-05	4.84E-06	3.05E-09	9.21E-09	5.33E-09	6.13E-09	5.55E-09	2.53E-09	1.21E-09	0.00E+00	0.00E+00	9.81E-10	2.08E-10	1.32E-09	2.03E-10	9.38E-11	2.81E-09
4611	476863.09	3859877.25	1.04E-05	1.20E-05	5.69E-06	3.60E-09	1.09E-08	6.30E-09	7.24E-09	6.56E-09	2.99E-09	1.42E-09	0.00E+00	0.00E+00	1.16E-09	2.46E-10	1.56E-09	2.40E-10	1.10E-10	3.31E-09
4612	477363.09	3859877.25	1.14E-05	1.32E-05	6.25E-06	3.96E-09	1.20E-08	6.92E-09	7.96E-09	7.21E-09	3.29E-09	1.56E-09	0.00E+00	0.00E+00	1.27E-09	2.70E-10	1.71E-09	2.64E-10	1.21E-10	3.64E-09
4613	477863.09	3859877.25	2.24E-05	2.58E-05	1.20E-05	7.76E-09	2.34E-08	1.36E-08	1.56E-08	1.42E-08	6.47E-09	3.00E-09	0.00E+00	0.00E+00	2.49E-09	5.31E-10	3.37E-09	5.19E-10	2.32E-10	7.14E-09

4614	478363.09	3859877.25	4.39E-05	5.07E-05	2.33E-05	1.52E-08	4.59E-08	2.66E-08	3.07E-08	2.78E-08	1.27E-08	5.83E-09	0.00E+00	0.00E+00	4.89E-09	1.04E-09	6.61E-09	1.02E-09	4.51E-10	1.40E-08
4615	478863.09	3859877.25	7.24E-05	8.36E-05	3.83E-05	2.50E-08	7.56E-08	4.38E-08	5.06E-08	4.58E-08	2.09E-08	9.58E-09	0.00E+00	0.00E+00	8.06E-09	1.72E-09	1.09E-08	1.68E-09	7.42E-10	2.31E-08
4616	479363.09	3859877.25	9.70E-05	1.12E-04	5.11E-05	3.36E-08	1.01E-07	5.87E-08	6.78E-08	6.15E-08	2.81E-08	1.28E-08	0.00E+00	0.00E+00	1.08E-08	2.30E-09	1.46E-08	2.25E-09	9.91E-10	3.09E-08
4617	479863.09	3859877.25	1.10E-04	1.27E-04	5.76E-05	3.80E-08	1.15E-07	6.63E-08	7.67E-08	6.95E-08	3.17E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.60E-09	1.65E-08	2.55E-09	1.12E-09	3.50E-08
4618	480363.09	3859877.25	1.19E-04	1.38E-04	6.26E-05	4.13E-08	1.25E-07	7.22E-08	8.35E-08	7.57E-08	3.45E-08	1.57E-08	0.00E+00	0.00E+00	1.33E-08	2.84E-09	1.80E-08	2.77E-09	1.21E-09	3.81E-08
4619	480863.09	3859877.25	1.29E-04	1.49E-04	6.77E-05	4.47E-08	1.35E-07	7.81E-08	9.03E-08	8.19E-08	3.74E-08	1.69E-08	0.00E+00	0.00E+00	1.44E-08	3.07E-09	1.95E-08	3.00E-09	1.31E-09	4.12E-08
4620	481363.09	3859877.25	1.38E-04	1.59E-04	7.22E-05	4.77E-08	1.44E-07	8.34E-08	9.65E-08	8.74E-08	3.99E-08	1.81E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.08E-08	3.20E-09	1.40E-09	4.40E-08
4621	481863.09	3859877.25	1.48E-04	1.71E-04	7.74E-05	5.11E-08	1.54E-07	8.93E-08	1.03E-07	9.37E-08	4.27E-08	1.94E-08	0.00E+00	0.00E+00	1.64E-08	3.51E-09	2.23E-08	3.43E-09	1.50E-09	4.71E-08
4622	482363.09	3859877.25	1.61E-04	1.86E-04	8.42E-05	5.56E-08	1.68E-07	9.72E-08	1.12E-07	1.02E-07	4.65E-08	2.11E-08	0.00E+00	0.00E+00	1.79E-08	3.82E-09	2.42E-08	3.73E-09	1.63E-09	5.13E-08
4623	482863.09	3859877.25	1.74E-04	2.02E-04	9.13E-05	6.04E-08	1.82E-07	1.05E-07	1.22E-07	1.11E-07	5.05E-08	2.29E-08	0.00E+00	0.00E+00	1.94E-08	4.14E-09	2.63E-08	4.05E-09	1.77E-09	5.57E-08
4624	483363.09	3859877.25	1.88E-04	2.17E-04	9.82E-05	6.49E-08	1.96E-07	1.13E-07	1.31E-07	1.19E-07	5.43E-08	2.46E-08	0.00E+00	0.00E+00	2.09E-08	4.46E-09	2.83E-08	4.36E-09	1.90E-09	5.99E-08
4625	483863.09	3859877.25	1.91E-04	2.21E-04	9.99E-05	6.60E-08	1.99E-07	1.15E-07	1.34E-07	1.21E-07	5.52E-08	2.50E-08	0.00E+00	0.00E+00	2.12E-08	4.53E-09	2.88E-08	4.43E-09	1.94E-09	6.09E-08
4626	484363.09	3859877.25	1.99E-04	2.30E-04	1.04E-04	6.87E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.75E-08	2.60E-08	0.00E+00	0.00E+00	2.21E-08	4.72E-09	2.99E-08	4.62E-09	2.02E-09	6.34E-08
4627	484863.09	3859877.25	2.04E-04	2.36E-04	1.07E-04	7.05E-08	2.13E-07	1.23E-07	1.43E-07	1.29E-07	5.90E-08	2.67E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.73E-09	2.07E-09	6.50E-08
4628	485363.09	3859877.25	2.01E-04	2.33E-04	1.06E-04	6.97E-08	2.10E-07	1.22E-07	1.41E-07	1.28E-07	5.83E-08	2.64E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.68E-09	2.05E-09	6.42E-08
4629	485863.09	3859877.25	1.97E-04	2.28E-04	1.03E-04	6.81E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.70E-08	2.59E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.97E-08	4.57E-09	2.00E-09	6.28E-08
4630	486363.09	3859877.25	1.95E-04	2.26E-04	1.03E-04	6.75E-08	2.04E-07	1.18E-07	1.36E-07	1.24E-07	5.64E-08	2.57E-08	0.00E+00	0.00E+00	2.17E-08	4.63E-09	2.94E-08	4.53E-09	1.99E-09	6.23E-08
4631	486863.09	3859877.25	1.94E-04	2.24E-04	1.02E-04	6.70E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.55E-08	0.00E+00	0.00E+00	2.16E-08	4.60E-09	2.92E-08	4.50E-09	1.98E-09	6.18E-08
4632	487363.09	3859877.25	1.97E-04	2.27E-04	1.04E-04	6.81E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.69E-08	2.61E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.02E-09	6.28E-08
4633	487863.09	3859877.25	2.08E-04	2.40E-04	1.12E-04	7.22E-08	2.18E-07	1.26E-07	1.45E-07	1.32E-07	6.01E-08	2.81E-08	0.00E+00	0.00E+00	2.32E-08	4.93E-09	3.13E-08	4.83E-09	2.17E-09	6.64E-08
4634	488363.09	3859877.25	2.20E-04	2.53E-04	1.21E-04	7.62E-08	2.30E-07	1.33E-07	1.53E-07	1.39E-07	6.32E-08	3.03E-08	0.00E+00	0.00E+00	2.45E-08	5.19E-09	3.29E-08	5.08E-09	2.35E-09	7.00E-08
4635	488863.09	3859877.25	2.40E-04	2.74E-04	1.37E-04	8.32E-08	2.51E-07	1.45E-07	1.66E-07	1.50E-07	6.87E-08	3.43E-08	0.00E+00	0.00E+00	2.68E-08	5.63E-09	3.58E-08	5.51E-09	2.66E-09	7.63E-08
4636	489363.09	3859877.25	2.35E-04	2.70E-04	1.29E-04	8.14E-08	2.46E-07	1.42E-07	1.64E-07	1.48E-07	6.77E-08	3.22E-08	0.00E+00	0.00E+00	2.62E-08	5.55E-09	3.52E-08	5.43E-09	2.50E-09	7.49E-08
4637	489863.09	3859877.25	2.40E-04	2.76E-04	1.29E-04	8.30E-08	2.51E-07	1.45E-07	1.67E-07	1.52E-07	6.92E-08	3.23E-08	0.00E+00	0.00E+00	2.67E-08	5.68E-09	3.60E-08	5.56E-09	2.50E-09	7.65E-08
4638	490363.09	3859877.25	2.24E-04	2.59E-04	1.20E-04	7.76E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.47E-08	3.00E-08	0.00E+00	0.00E+00	2.50E-08	5.31E-09	3.37E-08	5.20E-09	2.32E-09	7.15E-08
4639	490863.09	3859877.25	2.16E-04	2.50E-04	1.15E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.25E-08	2.88E-08	0.00E+00	0.00E+00	2.41E-08	5.13E-09	3.25E-08	5.02E-09	2.23E-09	6.90E-08
4640	491363.09	3859877.25	2.17E-04	2.50E-04	1.15E-04	7.49E-08	2.26E-07	1.31E-07	1.51E-07	1.37E-07	6.26E-08	2.88E-08	0.00E+00	0.00E+00	2.41E-08	5.13E-09	3.26E-08	5.02E-09	2.23E-09	6.91E-08
4641	491863.09	3859877.25	2.26E-04	2.61E-04	1.20E-04	7.83E-08	2.37E-07	1.37E-07	1.58E-07	1.43E-07	6.54E-08	3.00E-08	0.00E+00	0.00E+00	2.52E-08	5.37E-09	3.41E-08	5.25E-09	2.32E-09	7.22E-08
4642	492363.09	3859877.25	2.37E-04	2.74E-04	1.25E-04	8.21E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.86E-08	3.14E-08	0.00E+00	0.00E+00	2.64E-08	5.63E-09	3.57E-08	5.51E-09	2.43E-09	7.57E-08
4643	492863.09	3859877.25	2.42E-04	2.79E-04	1.28E-04	8.37E-08	2.53E-07	1.46E-07	1.69E-07	1.53E-07	6.99E-08	3.19E-08	0.00E+00	0.00E+00	2.69E-08	5.74E-09	3.64E-08	5.61E-09	2.47E-09	7.71E-08
4644	493363.09	3859877.25	2.37E-04	2.74E-04	1.25E-04	8.21E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.86E-08	3.13E-08	0.00E+00	0.00E+00	2.64E-08	5.63E-09	3.57E-08	5.51E-09	2.43E-09	7.57E-08
4645	493863.09	3859877.25	2.29E-04	2.65E-04	1.21E-04	7.93E-08	2.39E-07	1.39E-07	1.60E-07	1.45E-07	6.62E-08	3.03E-08	0.00E+00	0.00E+00	2.55E-08	5.44E-09	3.45E-08	5.32E-09	2.34E-09	7.31E-08
4646	494363.09	3859877.25	2.19E-04	2.53E-04	1.16E-04	7.58E-08	2.29E-07	1.32E-07	1.53E-07	1.39E-07	6.33E-08	2.89E-08	0.00E+00	0.00E+00	2.44E-08	5.20E-09	3.30E-08	5.08E-09	2.24E-09	6.99E-08
4647	494863.09	3859877.25	2.11E-04	2.44E-04	1.12E-04	7.31E-08	2.21E-07	1.28E-07	1.48E-07	1.34E-07	6.11E-08	2.79E-08	0.00E+00	0.00E+00	2.35E-08	5.01E-09	3.18E-08	4.90E-09	2.16E-09	6.74E-08
4648	495363.09	3859877.25	2.04E-04	2.35E-04	1.08E-04	7.06E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.89E-08	2.70E-08	0.00E+00	0.00E+00	2.27E-08	4.84E-09	3.07E-08	4.73E-09	2.09E-09	6.50E-08
4649	495863.09	3859877.25	1.96E-04	2.27E-04	1.04E-04	6.80E-08	2.05E-07	1.19E-07	1.37E-07	1.24E-07	5.68E-08	2.60E-08	0.00E+00	0.00E+00	2.19E-08	4.66E-09	2.96E-08	4.56E-09	2.01E-09	6.26E-08
4650	496363.09	3859877.25	1.84E-04	2.13E-04	9.76E-05	6.38E-08	1.93E-07	1.12E-07	1.29E-07	1.17E-07	5.33E-08	2.44E-08	0.00E+00	0.00E+00	2.05E-08	4.37E-09	2.77E-08	4.28E-09	1.89E-09	5.88E-08
4651	496863.09	3859877.25	1.49E-04	1.73E-04	7.92E-05	5.17E-08	1.56E-07	9.04E-08	1.04E-07	9.46E-08	4.32E-08	1.98E-08	0.00E+00	0.00E+00	1.66E-08	3.54E-09	2.25E-08	3.47E-09	1.53E-09	4.77E-08
4652	497363.09	3859877.25	1.69E-04	1.95E-04	8.96E-05	5.86E-08	1.77E-07	1.02E-07	1.18E-07	1.07E-07	4.89E-08	2.24E-08	0.00E+00	0.00E+00	1.88E-08	4.01E-09	2.55E-08	3.93E-09	1.74E-09	5.40E-08
4653	497863.09	3859877.25	1.75E-04	2.02E-04	9.26E-05	6.06E-08	1.83E-07	1.06E-07	1.22E-07	1.11E-07	5.06E-08	2.32E-08	0.00E+00	0.00E+00	1.95E-08	4.16E-09	2.64E-08	4.07E-09	1.79E-09	5.59E-08
4654	498363.09	3859877.25	1.73E-04	2.00E-04	9.16E-05	6.00E-08	1.81E-07	1.05E-07	1.21E-07	1.10E-07	5.01E-08	2.29E-08	0.00E+00	0.00E+00	1.93E-08	4.11E-09	2.61E-08	4.02E-09	1.78E-09	5.53E-08
4655	471363.09	3860377.25	3.66E-05	4.24E-05	1.93E-05	1.27E-08	3.83E-08	2.22E-08	2.56E-08	2.32E-08	1.06E-08	4.83E-09	0.00E+00	0.00E+00	4.08E-09	8.70E-10	5.52E-09	8.51E-10	3.74E-10	1.17E-08
4656	471863.09	3860377.25	3.88E-05	4.48E-05	2.04E-05	1.34E-08	4.05E-08	2.35E-08	2.71E-08	2.46E-08	1.12E-08	5.11E-09	0.00E+00	0.00E+00	4.32E-09	9.21E-10	5.84E-09	9.01E-10	3.96E-10	1.24E-08
4657	472363.09	3860377.25	4.12E-05	4.76E-05	2.17E-05	1.42E-08	4.30E-08	2.49E-08	2.88E-08	2.61E-08	1.19E-08	5.42E-09	0.00E+00	0.00E+00	4.58E-09	9.77E-10	6.20E-09	9.56E-10	4.20E-10	1.31E-08
4658	472863.09	3860377.25	4.38E-05	5.06E-05	2.30E-05	1.52E-08	4.58E-08	2.65E-08	3.06E-08	2.78E-08	1.27E-08	5.76E-09	0.00E+00	0.00E+00	4.87E-09	1.04E-09	6.60E-09	1.02E-09	4.46E-10	1.40E-08
4659	473363.09	3860377.25	4.67E-05	5.41E-05	2.46E-05	1.62E-08	4.89E-08	2.83E-08	3.27E-08	2.96E-08	1.35E-08	6.15E-09	0.00E+00	0.00E+00	5.20E-09	1.11E-09	7.04E-09	1.09E-09	4.76E-10	1.49E-08
4660	473863.09	3860377.25	5.03E-05	5.81E-05	2.64E-05	1.74E-08	5.25E-08	3.04E-08	3.52E-08	3.19E-08	1.45E-08	6.61E-09	0.00E+00	0.00E+00	5.60E-09	1.19E-09	7.58E-09	1.17E-09	5.12E-10	1.60E-08
4661	474363.09	3860377.25	5.38E-05	6.23E-05	2.83E-05	1.86E-08	5.63E-08	3.26E-08	3.77E-08	3.41E-08	1.56E-08	7.09E-09	0.00E+00	0.00E+00	5.99E-09	1.28E-09	8.11E-09	1.25E-09	5.49E-10	1.72E-08
4662	474863.09	3860377.25	5.64E-05	6.52E-05	2.98E-05	1.95E-08	5.89E-08	3.41E-08	3.94E-08	3.57E-08	1.63E-08	7.45E-09	0.00E+00	0.00E+00	6.28E-09	1.34E-09	8.49E-09	1.31E-09	5.77E-10	1.80E-08
4663	475363.09	3860377.25	5.37E-05	6.20E-05	2.84E-05	1.86E-08	5.61E-08	3.25E-08	3.75E-08	3.40E-08	1.55E-08	7.11E-09	0.00E+00	0.00E+00	5.98E-09	1.27E-09	8.09E-09	1.25E-09	5.51E-10	1.71E-08
4664	475863.09	3860377.25	4.64E-05	5.36E-05	2.46E-05	1.61E-08	4.85E-08	2.81E-08	3.25E-08	2.94E-08	1.34E-08	6.15E-09	0.00E+00	0.00E+00	5.17E-09	1.10E-09	6.99E-09	1.08E-09	4.76E-10	1.48E-08
4665	476363.09	3860377.25	3.61E-05	4.16E-05	1.91E-05	1.25E-08	3.77E-08	2.18E-08	2.52E-08	2.28E-08	1.04E-08	4.78E-09	0.00E+00	0.00E+00	4.01E-09	8.55E-10	5.43E-09	8.37E-10	3.71E-10	1.15E-08
4666	476863.09	3860377.25	3.20E-05	3.69E-05	1.70E-05	1.11E-08	3.34E-08	1.93E-08	2.23E-08	2.02E-08	9.23E-09	4.25E-09	0.00E+00	0.00E+00	3.56E-09	7.58E-10	4.81E-09	7.42E-10	3.29E-10	1.02E-08
4667	477363.09	3860377.25	1.83E-05	2.11E-05	9.86E-06	6.34E-09	1.91E-08	1.11E-08	1.28E-08	1.16E-08	5.28E-09	2.47E-09	0.00E+00	0.00E+00	2.04E-09	4.34E-10	2.75E-09	4.24E-10	1.91E-10	5.84E-09
4668	477863.09	3860377.25	2.42E-05	2.80E-05	1.30E-05	8.39E-09	2.53E-08	1.47E-08	1.69E-08	1.53E-08	7.00E-09	3.25E-09	0.00E+00	0.00E+00	2.70E-09	5.74E-10	3.64E-09	5.62E-10	2.51E-10	7.73E-09
4669	478363.09	3860377.25	4.83E-05	5.58E-05	2.56E-05	1.67E-08	5.05E-08	2.92E-08	3.38E-08	3.06E-08	1.40E-08	6.42E-09	0.00E+00	0.00E+00	5.38E-09	1.15E-09	7.27E-09	1.12E-09	4.97E-10	1.54E-08
4670	478863.09	3860377.25	6.97E-05	8.05E-05	3.68E-05	2.41E-08	7.28E-08	4.22E-08	4.87E-08	4.42E-08	2.02E-08	9.21E-09	0.00E+00	0.00E+00	7.76E-09	1.65E-09	1.05E-08	1.62E-09	7.13E-10	2.22E-08
4671	479363.09	3860377.25	8.82E-05	1.02E-04	4.64E-05	3.05E-08	9.22E-08	5.34E-08	6.17E-08	5.59E-08	2.55E-08	1.16E-08	0.00E+00	0.00E+00	9.82E-09	2.09E-09	1.33E-08	2.05E-09	9.00E-10	2.81E-08
4672	479863.09	3860377.25	9.91E-05	1.15E-04	5.21E-05	3.43E-08	1.04E-07	5.99E-08	6.93E-08	6.28E-08	2.87E-08	1.30E-08	0.00E+00	0.00E+00	1.10E-08	2.35E-09	1.49E-08	2.30E-09	1.01E-09	3.16E-08
4673	480363.09	3860377.25	1.06E-04	1.22E-04	5.56E-05	3.67E-08	1.11E-07	6.41E-08	7.41E-08	6.72E-08	3.07E-08	1.39E-08	0.00E+00	0.00E+00	1.18E-08	2.52E-09	1.60E-08	2.46E-09	1.08E-09	3.38E-08
4674	480863.09	3860377.25	1.12E-04	1.29E-04	5.85E-05	3.86E-08	1.17E-07	6.75E-08	7.81E-08	7.08E-08	3.23E-08	1.47E-08	0.00E+00	0.00E+00	1.24E-08	2.65E-09	1.68E-08	2.59E-09	1.13E-09	3.56E-08
4675	481363.09	3860377.25	1.19E-04	1.37E-04	6.24E-05	4.11E-08	1.24E-07	7.19E-08	8.32E-08	7.54E-08	3.44E-08	1.56E-08	0.00E+00	0.00E+00	1.32E-08	2.82E-09	1.79E-08	2.76E-09	1.21E-09	3.79E-08
4676	481863.09	3860377.25	1.30E-04	1.50E-04	6.80E-05	4.49E-08	1.35E-07	7.84E-08	9.07E-08	8.22E-08	3.75E-08	1.70E-08	0.00E+00	0.00E+00	1.44E-08	3.08E-09	1.95E-08	3.01E-09	1.32E-09	4.14E-08
4677	482363.09	3860377.25	1.41E-04	1.63E-04	7.40E-05	4.89E-08	1.48E-07	8.55E-08	9.89E-08	8.96E-08	4.09E-08	1.85E-08	0.00E+00	0.00E+00	1.57E-08	3.36E-09	2.13E-08	3.28E-09	1.43E-09	4.51E-08
4678	482863.09	3860377.25	1.50E-04	1.74E-04	7.88E-05	5.20E-08	1.57E-07	9.10E-08	1.05E-07	9.54E-08	4.35E-08	1.97E-08	0.00E+00	0.00E+00	1.67E-08	3.57E-09	2.27E-08	3.50E-09	1.53E-09	4.80E-08
4679	483363.09	3860377.25	1.60E-04	1.85E-04	8.36E-05	5.52E-08	1.67E-07	9.65E-08	1.12E-07	1.01E-07	4.62E-08	2.09E-08	0.00E+00	0.00E+00	1.78E-08	3.79E-09	2.41E-08	3.71E-09	1.62E-09	5.09E-08
4680	483863.09	3860377.25	1.69E-04	1.96E-04	8.88E-05	5.87E-08	1.77E-07	1.03E-07	1.19E-07	1.08E-07	4.91E-08	2.22E-08	0.00E+00	0.00E+00	1.89E-08	4.03E-09	2.55E-08	3.94E-09	1.72E-09	5.41E-08
4681	484363.09	3860377.25	1.67E-04	1.93E-04	8.73E-05	5.76E-08	1.74E-07	1.01E-07	1.17E-07	1.06E-07	4.82E-08	2.19E-08	0.00E+00	0.00E+00	1.85E-08	3.96E-09	2.51E-08	3.87E-09	1.69E-09	5.32E-08
4682	484863.09	3860377.25	1.68E-04	1.94E-04	8.79E-05	5.80E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.85E-08	2.20E-08	0.00E+00	0.00E+00	1.87E-08	3.98E-09	2.53E-08	3.90E-09	1.70E-09	5.35E-08
4683	485363.09	3860377.25	1.62E-04	1.87E-04	8.48E-05	5.60E-08	1.69E-07	9.78E-08	1.13E-07	1.03E-07	4.68E-08	2.12E-08	0.00E+00	0.00E+00	1.80E-08	3.84E-09	2.44E-08	3.76E-09	1.64E-09	5.16E-08
4684	485863.09	3860377.25	1.60E-04	1.85E-04	8.37E-05	5.52E-08	1.67E-07	9.65E-08	1.12E-07	1.01E-07	4.62E-08	2.09E-08	0.00E+00	0.00E+00	1.78E-08	3.79E-09	2.40E-08	3.71E-09	1.62E-09	5.09E-08
4685	486363.09	3860377.25	1.56E-04	1.81E-04	8.21E-05	5.41E-08	1.63E-07	9.46E-08	1.09E-07	9.92E-08	4.53E-08	2.05E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.36E-08	3.64E-09	1.59E-09	4.99E-08
4686	486863.09	3860377.25	1.54E-04	1.79E-04	8.12E-05	5.35E-08	1.61E-07	9.35E-08	1.08E-07	9.80E-08	4.47E-08	2.03E-08	0.00E+00	0.00E+00	1.72E-08	3.67E-09	2.33E-08	3.59E-09	1.57E-09	4.93E-08
4687	487363.09	3860377.25	1.56E-04	1.81E-04	8.25E-05	5.41E-08	1.63E-07	9.46E-08	1.09E-07	9.91E-08	4.52E-08	2.06E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.35E-08	3.63E-09	1.60E-09	4.99E-08
4688	487863.09	3860377.25	1.63E-04	1.88E-04	8.71E-05	5.65E-08	1.71E-07	9.88E-08	1.14E-07	1.03E-07	4.72E-08	2.18E-08	0.00E+00	0.00E+00	1.82E-08	3.87E-09	2.46E-08	3.79E-09	1.69E-09	5.21E-08
4689	488363.09	3860377.25	1.71E-04	1.97E-04	9.39E-05	5.93E-08	1.79E-07	1.04E-07	1.19E-07	1.08E-07	4.93E-08	2.35E-08	0.00E+00	0.00E+00	1.91E-08	4.05E-09	2.57E-08	3.96E-09	1.82E-09	5.46E-08
4690	488863.09	3860377.25	1.82E-04	2.08E-04	1.00E-04	6.28E-08	1.90E-07	1.10E-07	1.26E-07	1.14E-07	5.21E-08	2.51E-08	0.00E+00	0.00E+00	2.02E-08	4.28E-09	2.71E-08	4.19E-09	1.95E-09	5.78E-08
4691	489363.09	3860377.25	1.79E-04	2.07E-04	9.65E-05	6.21E-08	1.88E-07	1.09E-07	1.25E-07	1.13E-07	5.17E-08	2.42E-08	0.00E+00	0.00E+00	2.00E-08	4.25E-09	2.69E-08	4.15E-09	1.87E-09	5.72E-08
4692	489863.09	3860377.25	1.82E-04	2.10E-04	9.72E-05	6.31E-08	1.91E-07	1.10E-07	1.27E-07	1.15E-07	5.27E-08	2.43E-08	0.00E+00	0.00E+00	2.03E-08	4.32E-09	2.74E-08	4.23E-09	1.88E-09	5.81E-08
4693	490363.09	3860377.25	1.88E-04	2.17E-04	9.97E-05	6.50E-08	1.96E-07	1.14E-07	1.31E-07	1.19E-07	5.43E-08	2.49E-08	0.00E+00	0.00E+00	2.09E-08	4.46E-09	2.83E-08	4.36E-09	1.93E-09	5.99E-08
4694	490863.09	3860377.25	1.79E-04	2.07E-04	9.48E-05	6.20E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.18E-08	2.37E-08	0.00E+00	0.00E+00	1.99E-08	4.25E-09	2.70E-08	4.16E-09	1.84E-09	5.71E-08
4695	491363.09	3860377.25	1.67E-04	1.93E-04	8.84E-05	5.79E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.83E-08	2.21E-08	0.00E+00	0.00E+00	1.86E-08	3.97E-09	2.52E-08	3.88E-09	1.71E-09	5.33E-08
4696	491863.09	3860377.25	1.66E-04	1.92E-04	8.76E-05	5.74E-08	1.73E-07	1.00E-07	1.16E-07	1.05E-07	4.79E-08	2.19E-08	0.00E+00	0.00E+00	1.85E-08	3.93E-09	2.50E-08	3.85E-09	1.70E-09	5.29E-08
4697	492363.09	3860377.25	1.72E-04	1.99E-04	9.10E-05	5.97E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.28E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.59E-08	4.00E-09	1.76E-09	5.50E-08
4698	492863.09	3860377.25	1.80E-04	2.08E-04	9.49E-05	6.22E-08	1.88E-07	1.09E-07	1.26E-07	1.14E-07	5.20E-08	2.37E-08	0.00E+00	0.00E+00	2.00E-08	4.27E-09	2.71E-08	4.18E-09	1.84E-09	5.74E-08
4699	493363.09	3860377.25	1.90E-04	2.20E-04	1.00E-04	6.59E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.51E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.42E-09	1.94E-09	6.08E-08
4700	493863.09	3860377.25	1.91E-04	2.21E-04	1.01E-04	6.62E-08	2.00E-07	1.16E-07	1.34E-07	1.21E-07	5.53E-08	2.52E-08	0.00E+00	0.00E+00	2.13E-08	4.54E-09	2.88E-08	4.44E-09	1.95E-09	6.10E-08
4701	494363.09	3860377.25	1.89E-04	2.19E-04	9.98E-05	6.56E-08	1.98E-07	1.15E-07	1.33E-07	1.20E-07	5.48E-08	2.50E-08	0.00E+00	0.00E+00	2.11E-08	4.50E-09	2.85E-08	4.40E-09	1.93E-09	6.05E-08
4702	494863.09	3860377.25	1.83E-04	2.11E-04	9.64E-05	6.33E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.29E-08	2.41E-08	0.00E+00	0.00E+00	2.04E-08	4.34E-09	2.76E-08	4.25E-09	1.87E-09	5.84E-08
4703	495363.09	3860377.25	1.78E-04	2.06E-04	9.38E-05	6.16E-08	1.86E-07	1.08E-07	1.24E-07	1.13E-07	5.15E-08	2.35E-08	0.00E+00	0.00E+00	1.98E-08	4.22E-09	2.68E-08	4.13E-09	1.82E-09	5.68E-08
4704	495863.09	3860377.25	1.72E-04	1.99E-04	9.08E-05	5.96E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.98E-08	2.27E-08	0.00E+00	0.00E+00	1.92E-08	4.09E-09	2.59E-08	4.00E-09	1.76E-09	5.49E-08
4705	496363.09	3860377.25	1.65E-04	1.91E-04	8.71E-05	5.71E-08	1.72E-07	9.98E-08	1.15E-07	1.05E-07	4.77E-08	2.18E-08	0.00E+00	0.00E+00	1.84E-08	3.91E-09	2.48E-08	3.83E-09	1.69E-09	5.26E-08
4706	496863.09	3860377.25	1.58E-04	1.82E-04	8.34E-05	5.46E-08	1.65E-07	9.54E-08	1.10E-07	9.99E-08	4.56E-08	2.09E-08	0.00E+00	0.00E+00	1.75E-08	3.74E-09	2.37E-08	3.66E-09	1.62E-09	5.03E-08
4707	497363.09	3860377.25	1.47E-04	1.69E-04	7.76E-05	5.07E-08	1.53E-07	8.87E-08	1.02E-07	9.28E-08	4.24E-08	1.94E-08	0.00E+00	0.00E+00	1.63E-08	3.48E-09	2.21E-08	3.40E-09	1.50E-09	4.67E-08
4708	497863.09	3860377.25	1.53E-04	1.76E-04	8.07E-05	5.28E-08	1.60E-07	9.23E-08	1.07E-07	9.67E-08	4.41E-08	2.02E-08	0.00E+00	0.00E+00	1.70E-08	3.62E-09	2.30E-08	3.54E-09	1.56E-09	4.87E-08
4709	498363.09	3860377.25	1.52E-04	1.75E-04	8.02E-05	5.26E-08	1.59E-07	9.19E-08	1.06E-07	9.62E-08	4.39E-08	2.01E-08	0.00E+00	0.00E+00	1.69E-08	3.60E-09	2.29E-08	3.53E-09	1.55E-09	4.84E-08
4710	471363.09	3860877.25	3.71E-05	4.29E-05	1.96E-05	1.29E-08	3.88E-08	2.25E-08	2.60E-08	2.35E-08	1.07E-08	4.89E-09	0.00E+00	0.00E+00	4.13E-09	8.82E-10	5.59E-09	8.63E-10	3.79E-10	1.19E-08
4711	471863.09	3860877.25	3.92E-05	4.53E-05	2.06E-05	1.36E-08	4.10E-08	2.37E-08	2.74E-08	2.49E-08	1.13E-08	5.17E-09	0.00E+00	0.00E+00	4.37E-09	9.31E-10	5.91E-09	9.11E-10	4.00E-10	1.25E-08
4712	472363.09	3860877.25	4.17E-05	4.82E-05	2.19E-05	1.44E-08	4.35E-08	2.52E-08	2.91E-08	2.64E-08	1.21E-08	5.49E-09	0.00E+00	0.00E+00	4.64E-09	9.89E-10	6.28E-09	9.68E-10	4.25E-10	1.33E-08
4713	472863.09	3860877.25	4.47E-05	5.17E-05	2.35E-05	1.55E-08	4.67E-08	2.70E-08	3.13E-08	2.83E-08	1.29E-08	5.89E-09	0.00E+00	0.00E+00	4.98E-09	1.06E-09	6.73E-09	1.04E-09	4.56E-10	1.43E-08
4714	473363.09	3860877.25	4.81E-05	5.56E-05	2.53E-05	1.66E-08	5.03E-08	2.91E-08	3.36E-08	3.05E-08	1.39E-08	6.33E-09	0.00E+00	0.00E+00	5.35E-09	1.14E-09	7.24E-09	1.12E-09	4.90E-10	1.53E-08
4715	473863.09	3860877.25	5.16E-05	5.96E-05	2.71E-05	1.79E-08	5.39E-08	3.12E-08	3.61E-08	3.27E-08	1.49E-08	6.79E-09	0.00E+00	0.00E+00	5.74E-09	1.22E-09	7.77E-09	1.20E-09	5.26E-10	1.65E-08
4716	474363.09	3860877.25	5.48E-05	6.33E-05	2.88E-05	1.90E-08	5.72E-08	3.31E-08	3.83E-08	3.47E-08	1.58E-08	7.21E-09	0.00E+00	0.00E+00	6.09E-09	1.30E-09	8.25E-09	1.27E-09	5.58E-10	1.75E-08
4717	474863.09	3860877.25	5.74E-05	6.64E-05	3.02E-05	1.99E-08	6.00E-08	3.47E-08	4.02E-08	3.64E-08	1.66E-08	7.57E-09	0.00E+00	0.00E+00	6.39E-09	1.36E-09	8.65E-09	1.33E-09	5.86E-10	1.83E-08
4718	475363.09	3860877.25	5.89E-05	6.80E-05	3.10E-05	2.04E-08	6.15E-08	3.56E-08	4.12E-08	3.73E-08	1.70E-08	7.77E-09	0.00E+00	0.00E+00	6.55E-09	1.40E-09	8.87E-09	1.37E-09	6.02E-10	1.88E-08

4719	475863.09	3860877.25	5.82E-05	6.73E-05	3.08E-05	2.02E-08	6.09E-08	3.52E-08	4.07E-08	3.69E-08	1.68E-08	7.70E-09	0.00E+00	0.00E+00	6.48E-09	1.38E-09	8.77E-09	1.35E-09	5.96E-10	1.86E-08
4720	476363.09	3860877.25	5.47E-05	6.32E-05	2.90E-05	1.89E-08	5.71E-08	3.31E-08	3.82E-08	3.46E-08	1.58E-08	7.25E-09	0.00E+00	0.00E+00	6.09E-09	1.30E-09	8.23E-09	1.27E-09	5.61E-10	1.74E-08
4721	476863.09	3860877.25	5.37E-05	6.20E-05	2.84E-05	1.86E-08	5.61E-08	3.25E-08	3.75E-08	3.40E-08	1.55E-08	7.12E-09	0.00E+00	0.00E+00	5.98E-09	1.27E-09	8.08E-09	1.25E-09	5.51E-10	1.71E-08
4722	477363.09	3860877.25	5.60E-05	6.46E-05	2.96E-05	1.94E-08	5.85E-08	3.39E-08	3.91E-08	3.55E-08	1.62E-08	7.41E-09	0.00E+00	0.00E+00	6.23E-09	1.33E-09	8.42E-09	1.30E-09	5.74E-10	1.79E-08
4723	477863.09	3860877.25	4.99E-05	5.77E-05	2.64E-05	1.73E-08	5.22E-08	3.02E-08	3.49E-08	3.16E-08	1.44E-08	6.62E-09	0.00E+00	0.00E+00	5.56E-09	1.18E-09	7.51E-09	1.16E-09	5.12E-10	1.59E-08
4724	478363.09	3860877.25	2.98E-05	3.43E-05	1.59E-05	1.03E-08	3.11E-08	1.80E-08	2.08E-08	1.88E-08	8.60E-09	3.98E-09	0.00E+00	0.00E+00	3.31E-09	7.05E-10	4.48E-09	6.90E-10	3.08E-10	9.49E-09
4725	478863.09	3860877.25	6.40E-05	7.40E-05	3.39E-05	2.22E-08	6.69E-08	3.87E-08	4.48E-08	4.06E-08	1.85E-08	8.47E-09	0.00E+00	0.00E+00	7.13E-09	1.52E-09	9.64E-09	1.49E-09	6.56E-10	2.04E-08
4726	479363.09	3860877.25	8.01E-05	9.26E-05	4.23E-05	2.77E-08	8.38E-08	4.85E-08	5.60E-08	5.08E-08	2.32E-08	1.06E-08	0.00E+00	0.00E+00	8.92E-09	1.90E-09	1.21E-08	1.86E-09	8.19E-10	2.56E-08
4727	479863.09	3860877.25	8.73E-05	1.01E-04	4.59E-05	3.02E-08	9.12E-08	5.28E-08	6.11E-08	5.53E-08	2.53E-08	1.15E-08	0.00E+00	0.00E+00	9.71E-09	2.07E-09	1.31E-08	2.03E-09	8.89E-10	2.79E-08
4728	480363.09	3860877.25	9.29E-05	1.07E-04	4.88E-05	3.21E-08	9.70E-08	5.62E-08	6.50E-08	5.89E-08	2.69E-08	1.22E-08	0.00E+00	0.00E+00	1.03E-08	2.21E-09	1.40E-08	2.16E-09	9.45E-10	2.96E-08
4729	480863.09	3860877.25	9.90E-05	1.15E-04	5.20E-05	3.43E-08	1.04E-07	5.99E-08	6.93E-08	6.28E-08	2.87E-08	1.30E-08	0.00E+00	0.00E+00	1.10E-08	2.35E-09	1.49E-08	2.30E-09	1.01E-09	3.16E-08
4730	481363.09	3860877.25	1.07E-04	1.24E-04	5.63E-05	3.72E-08	1.12E-07	6.49E-08	7.51E-08	6.81E-08	3.11E-08	1.41E-08	0.00E+00	0.00E+00	1.19E-08	2.55E-09	1.62E-08	2.50E-09	1.09E-09	3.43E-08
4731	481863.09	3860877.25	1.17E-04	1.35E-04	6.12E-05	4.04E-08	1.22E-07	7.06E-08	8.16E-08	7.40E-08	3.38E-08	1.53E-08	0.00E+00	0.00E+00	1.30E-08	2.77E-09	1.76E-08	2.71E-09	1.19E-09	3.72E-08
4732	482363.09	3860877.25	1.24E-04	1.43E-04	6.50E-05	4.29E-08	1.30E-07	7.50E-08	8.67E-08	7.86E-08	3.59E-08	1.63E-08	0.00E+00	0.00E+00	1.38E-08	2.94E-09	1.87E-08	2.88E-09	1.26E-09	3.96E-08
4733	482863.09	3860877.25	1.31E-04	1.51E-04	6.85E-05	4.52E-08	1.36E-07	7.90E-08	9.14E-08	8.28E-08	3.78E-08	1.71E-08	0.00E+00	0.00E+00	1.45E-08	3.10E-09	1.97E-08	3.03E-09	1.33E-09	4.17E-08
4734	483363.09	3860877.25	1.39E-04	1.61E-04	7.30E-05	4.82E-08	1.46E-07	8.43E-08	9.75E-08	8.84E-08	4.03E-08	1.83E-08	0.00E+00	0.00E+00	1.55E-08	3.31E-09	2.10E-08	3.24E-09	1.42E-09	4.45E-08
4735	483863.09	3860877.25	1.44E-04	1.67E-04	7.56E-05	4.99E-08	1.51E-07	8.73E-08	1.01E-07	9.15E-08	4.18E-08	1.89E-08	0.00E+00	0.00E+00	1.61E-08	3.43E-09	2.17E-08	3.35E-09	1.47E-09	4.60E-08
4736	484363.09	3860877.25	1.44E-04	1.67E-04	7.56E-05	4.99E-08	1.51E-07	8.72E-08	1.01E-07	9.15E-08	4.17E-08	1.89E-08	0.00E+00	0.00E+00	1.60E-08	3.42E-09	2.17E-08	3.35E-09	1.47E-09	4.60E-08
4737	484863.09	3860877.25	1.39E-04	1.61E-04	7.29E-05	4.81E-08	1.45E-07	8.41E-08	9.72E-08	8.82E-08	4.02E-08	1.82E-08	0.00E+00	0.00E+00	1.55E-08	3.30E-09	2.09E-08	3.23E-09	1.41E-09	4.44E-08
4738	485363.09	3860877.25	1.35E-04	1.56E-04	7.06E-05	4.66E-08	1.41E-07	8.14E-08	9.41E-08	8.53E-08	3.89E-08	1.77E-08	0.00E+00	0.00E+00	1.50E-08	3.20E-09	2.03E-08	3.13E-09	1.37E-09	4.29E-08
4739	485863.09	3860877.25	1.34E-04	1.55E-04	7.03E-05	4.64E-08	1.40E-07	8.11E-08	9.38E-08	8.50E-08	3.88E-08	1.76E-08	0.00E+00	0.00E+00	1.49E-08	3.18E-09	2.02E-08	3.11E-09	1.36E-09	4.28E-08
4740	486363.09	3860877.25	1.29E-04	1.50E-04	6.79E-05	4.48E-08	1.35E-07	7.83E-08	9.05E-08	8.21E-08	3.74E-08	1.70E-08	0.00E+00	0.00E+00	1.44E-08	3.07E-09	1.95E-08	3.01E-09	1.32E-09	4.13E-08
4741	486863.09	3860877.25	1.28E-04	1.48E-04	6.73E-05	4.44E-08	1.34E-07	7.75E-08	8.97E-08	8.13E-08	3.71E-08	1.68E-08	0.00E+00	0.00E+00	1.43E-08	3.04E-09	1.93E-08	2.98E-09	1.30E-09	4.09E-08
4742	487363.09	3860877.25	1.29E-04	1.50E-04	6.80E-05	4.48E-08	1.35E-07	7.82E-08	9.05E-08	8.20E-08	3.74E-08	1.70E-08	0.00E+00	0.00E+00	1.44E-08	3.07E-09	1.95E-08	3.00E-09	1.32E-09	4.13E-08
4743	487863.09	3860877.25	1.31E-04	1.51E-04	6.90E-05	4.53E-08	1.37E-07	7.92E-08	9.15E-08	8.30E-08	3.79E-08	1.73E-08	0.00E+00	0.00E+00	1.46E-08	3.11E-09	1.97E-08	3.04E-09	1.34E-09	4.18E-08
4744	488363.09	3860877.25	1.35E-04	1.56E-04	7.15E-05	4.68E-08	1.41E-07	8.19E-08	9.46E-08	8.57E-08	3.91E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.21E-09	2.04E-08	3.14E-09	1.39E-09	4.32E-08
4745	488863.09	3860877.25	1.38E-04	1.59E-04	7.26E-05	4.77E-08	1.44E-07	8.33E-08	9.63E-08	8.73E-08	3.98E-08	1.82E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.07E-08	3.20E-09	1.41E-09	4.39E-08
4746	489363.09	3860877.25	1.44E-04	1.66E-04	7.58E-05	4.97E-08	1.50E-07	8.69E-08	1.00E-07	9.11E-08	4.16E-08	1.90E-08	0.00E+00	0.00E+00	1.60E-08	3.41E-09	2.16E-08	3.34E-09	1.47E-09	4.58E-08
4747	489863.09	3860877.25	1.43E-04	1.65E-04	7.53E-05	4.94E-08	1.49E-07	8.64E-08	9.98E-08	9.05E-08	4.13E-08	1.88E-08	0.00E+00	0.00E+00	1.59E-08	3.39E-09	2.15E-08	3.32E-09	1.46E-09	4.56E-08
4748	490363.09	3860877.25	1.45E-04	1.68E-04	7.67E-05	5.04E-08	1.52E-07	8.80E-08	1.02E-07	9.22E-08	4.21E-08	1.92E-08	0.00E+00	0.00E+00	1.62E-08	3.45E-09	2.19E-08	3.38E-09	1.49E-09	4.64E-08
4749	490863.09	3860877.25	1.52E-04	1.76E-04	8.01E-05	5.26E-08	1.59E-07	9.20E-08	1.06E-07	9.64E-08	4.40E-08	2.00E-08	0.00E+00	0.00E+00	1.69E-08	3.61E-09	2.29E-08	3.53E-09	1.55E-09	4.85E-08
4750	491363.09	3860877.25	1.47E-04	1.70E-04	7.76E-05	5.10E-08	1.54E-07	8.91E-08	1.03E-07	9.34E-08	4.26E-08	1.94E-08	0.00E+00	0.00E+00	1.64E-08	3.50E-09	2.22E-08	3.42E-09	1.50E-09	4.70E-08
4751	491863.09	3860877.25	1.38E-04	1.60E-04	7.30E-05	4.79E-08	1.45E-07	8.38E-08	9.68E-08	8.78E-08	4.00E-08	1.83E-08	0.00E+00	0.00E+00	1.54E-08	3.29E-09	2.09E-08	3.22E-09	1.41E-09	4.42E-08
4752	492363.09	3860877.25	1.33E-04	1.54E-04	7.01E-05	4.61E-08	1.39E-07	8.05E-08	9.31E-08	8.44E-08	3.85E-08	1.76E-08	0.00E+00	0.00E+00	1.48E-08	3.16E-09	2.00E-08	3.09E-09	1.36E-09	4.25E-08
4753	492863.09	3860877.25	1.35E-04	1.56E-04	7.10E-05	4.66E-08	1.41E-07	8.15E-08	9.42E-08	8.54E-08	3.90E-08	1.78E-08	0.00E+00	0.00E+00	1.50E-08	3.20E-09	2.03E-08	3.13E-09	1.38E-09	4.30E-08
4754	493363.09	3860877.25	1.41E-04	1.63E-04	7.43E-05	4.89E-08	1.48E-07	8.54E-08	9.87E-08	8.95E-08	4.08E-08	1.86E-08	0.00E+00	0.00E+00	1.57E-08	3.35E-09	2.13E-08	3.28E-09	1.44E-09	4.50E-08
4755	493863.09	3860877.25	1.47E-04	1.70E-04	7.76E-05	5.10E-08	1.54E-07	8.92E-08	1.03E-07	9.35E-08	4.26E-08	1.94E-08	0.00E+00	0.00E+00	1.64E-08	3.50E-09	2.22E-08	3.42E-09	1.50E-09	4.70E-08
4756	494363.09	3860877.25	1.53E-04	1.77E-04	8.05E-05	5.29E-08	1.60E-07	9.25E-08	1.07E-07	9.70E-08	4.42E-08	2.01E-08	0.00E+00	0.00E+00	1.70E-08	3.63E-09	2.30E-08	3.55E-09	1.56E-09	4.88E-08
4757	494863.09	3860877.25	1.55E-04	1.80E-04	8.18E-05	5.38E-08	1.62E-07	9.40E-08	1.09E-07	9.85E-08	4.50E-08	2.05E-08	0.00E+00	0.00E+00	1.73E-08	3.69E-09	2.34E-08	3.61E-09	1.58E-09	4.96E-08
4758	495363.09	3860877.25	1.54E-04	1.78E-04	8.10E-05	5.33E-08	1.61E-07	9.31E-08	1.08E-07	9.76E-08	4.45E-08	2.03E-08	0.00E+00	0.00E+00	1.71E-08	3.65E-09	2.32E-08	3.58E-09	1.57E-09	4.91E-08
4759	495863.09	3860877.25	1.50E-04	1.73E-04	7.88E-05	5.18E-08	1.56E-07	9.06E-08	1.05E-07	9.49E-08	4.33E-08	1.97E-08	0.00E+00	0.00E+00	1.67E-08	3.55E-09	2.25E-08	3.48E-09	1.53E-09	4.78E-08
4760	496363.09	3860877.25	1.47E-04	1.70E-04	7.75E-05	5.09E-08	1.54E-07	8.90E-08	1.03E-07	9.33E-08	4.26E-08	1.94E-08	0.00E+00	0.00E+00	1.64E-08	3.49E-09	2.22E-08	3.42E-09	1.50E-09	4.70E-08
4761	496863.09	3860877.25	1.43E-04	1.66E-04	7.55E-05	4.96E-08	1.50E-07	8.67E-08	1.00E-07	9.09E-08	4.15E-08	1.89E-08	0.00E+00	0.00E+00	1.60E-08	3.40E-09	2.16E-08	3.33E-09	1.46E-09	4.58E-08
4762	497363.09	3860877.25	1.40E-04	1.62E-04	7.37E-05	4.84E-08	1.46E-07	8.46E-08	9.77E-08	8.86E-08	4.04E-08	1.84E-08	0.00E+00	0.00E+00	1.56E-08	3.32E-09	2.11E-08	3.25E-09	1.43E-09	4.46E-08
4763	497863.09	3860877.25	1.36E-04	1.57E-04	7.19E-05	4.72E-08	1.42E-07	8.24E-08	9.53E-08	8.64E-08	3.94E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.23E-09	2.05E-08	3.16E-09	1.39E-09	4.35E-08
4764	498363.09	3860877.25	1.34E-04	1.55E-04	7.08E-05	4.65E-08	1.40E-07	8.12E-08	9.38E-08	8.51E-08	3.88E-08	1.77E-08	0.00E+00	0.00E+00	1.49E-08	3.19E-09	2.02E-08	3.12E-09	1.37E-09	4.28E-08
4765	471363.09	3861377.25	3.74E-05	4.33E-05	1.97E-05	1.30E-08	3.91E-08	2.26E-08	2.62E-08	2.37E-08	1.08E-08	4.94E-09	0.00E+00	0.00E+00	4.17E-09	8.88E-10	5.64E-09	8.69E-10	3.82E-10	1.19E-08
4766	471863.09	3861377.25	3.98E-05	4.61E-05	2.10E-05	1.38E-08	4.16E-08	2.41E-08	2.79E-08	2.53E-08	1.15E-08	5.25E-09	0.00E+00	0.00E+00	4.43E-09	9.46E-10	6.00E-09	9.26E-10	4.07E-10	1.27E-08
4767	472363.09	3861377.25	4.26E-05	4.92E-05	2.24E-05	1.47E-08	4.45E-08	2.58E-08	2.98E-08	2.70E-08	1.23E-08	5.61E-09	0.00E+00	0.00E+00	4.74E-09	1.01E-09	6.42E-09	9.89E-10	4.35E-10	1.36E-08
4768	472863.09	3861377.25	4.54E-05	5.25E-05	2.39E-05	1.57E-08	4.75E-08	2.75E-08	3.18E-08	2.88E-08	1.31E-08	5.98E-09	0.00E+00	0.00E+00	5.05E-09	1.08E-09	6.84E-09	1.05E-09	4.63E-10	1.45E-08
4769	473363.09	3861377.25	4.80E-05	5.55E-05	2.53E-05	1.66E-08	5.02E-08	2.91E-08	3.36E-08	3.04E-08	1.39E-08	6.33E-09	0.00E+00	0.00E+00	5.34E-09	1.14E-09	7.23E-09	1.12E-09	4.90E-10	1.53E-08
4770	473863.09	3861377.25	5.03E-05	5.81E-05	2.65E-05	1.74E-08	5.25E-08	3.04E-08	3.52E-08	3.19E-08	1.45E-08	6.62E-09	0.00E+00	0.00E+00	5.59E-09	1.19E-09	7.57E-09	1.17E-09	5.13E-10	1.60E-08
4771	474363.09	3861377.25	5.21E-05	6.02E-05	2.74E-05	1.80E-08	5.44E-08	3.15E-08	3.64E-08	3.30E-08	1.51E-08	6.86E-09	0.00E+00	0.00E+00	5.80E-09	1.24E-09	7.85E-09	1.21E-09	5.32E-10	1.66E-08
4772	474863.09	3861377.25	5.35E-05	6.19E-05	2.82E-05	1.85E-08	5.60E-08	3.24E-08	3.74E-08	3.39E-08	1.55E-08	7.06E-09	0.00E+00	0.00E+00	5.96E-09	1.27E-09	8.06E-09	1.24E-09	5.46E-10	1.71E-08
4773	475363.09	3861377.25	5.53E-05	6.39E-05	2.91E-05	1.91E-08	5.78E-08	3.35E-08	3.87E-08	3.51E-08	1.60E-08	7.29E-09	0.00E+00	0.00E+00	6.16E-09	1.31E-09	8.33E-09	1.29E-09	5.65E-10	1.77E-08
4774	475863.09	3861377.25	5.71E-05	6.60E-05	3.01E-05	1.98E-08	5.97E-08	3.45E-08	3.99E-08	3.62E-08	1.65E-08	7.53E-09	0.00E+00	0.00E+00	6.35E-09	1.35E-09	8.60E-09	1.33E-09	5.83E-10	1.82E-08
4775	476363.09	3861377.25	5.88E-05	6.80E-05	3.10E-05	2.04E-08	6.15E-08	3.56E-08	4.11E-08	3.73E-08	1.70E-08	7.76E-09	0.00E+00	0.00E+00	6.55E-09	1.40E-09	8.86E-09	1.37E-09	6.01E-10	1.88E-08
4776	476863.09	3861377.25	6.06E-05	7.00E-05	3.20E-05	2.10E-08	6.33E-08	3.66E-08	4.24E-08	3.84E-08	1.75E-08	8.00E-09	0.00E+00	0.00E+00	6.74E-09	1.44E-09	9.12E-09	1.41E-09	6.19E-10	1.93E-08
4777	477363.09	3861377.25	6.24E-05	7.21E-05	3.29E-05	2.16E-08	6.52E-08	3.78E-08	4.36E-08	3.95E-08	1.80E-08	8.24E-09	0.00E+00	0.00E+00	6.95E-09	1.48E-09	9.40E-09	1.45E-09	6.38E-10	1.99E-08
4778	477863.09	3861377.25	5.74E-05	6.63E-05	3.04E-05	1.99E-08	6.00E-08	3.48E-08	4.01E-08	3.64E-08	1.66E-08	7.61E-09	0.00E+00	0.00E+00	6.39E-09	1.36E-09	8.65E-09	1.33E-09	5.89E-10	1.83E-08
4779	478363.09	3861377.25	3.65E-05	4.21E-05	1.94E-05	1.26E-08	3.81E-08	2.21E-08	2.55E-08	2.31E-08	1.05E-08	4.86E-09	0.00E+00	0.00E+00	4.06E-09	8.65E-10	5.49E-09	8.47E-10	3.76E-10	1.16E-08
4780	478863.09	3861377.25	4.45E-05	5.14E-05	2.37E-05	1.54E-08	4.65E-08	2.69E-08	3.11E-08	2.82E-08	1.29E-08	5.92E-09	0.00E+00	0.00E+00	4.96E-09	1.06E-09	6.70E-09	1.03E-09	4.59E-10	1.42E-08
4781	479363.09	3861377.25	7.00E-05	8.08E-05	3.70E-05	2.42E-08	7.31E-08	4.23E-08	4.89E-08	4.43E-08	2.02E-08	9.27E-09	0.00E+00	0.00E+00	7.79E-09	1.66E-09	1.05E-08	1.62E-09	7.18E-10	2.23E-08
4782	479863.09	3861377.25	7.87E-05	9.09E-05	4.14E-05	2.72E-08	8.22E-08	4.76E-08	5.50E-08	4.99E-08	2.28E-08	1.04E-08	0.00E+00	0.00E+00	8.76E-09	1.87E-09	1.19E-08	1.83E-09	8.02E-10	2.51E-08
4783	480363.09	3861377.25	8.45E-05	9.77E-05	4.44E-05	2.93E-08	8.83E-08	5.11E-08	5.91E-08	5.36E-08	2.45E-08	1.11E-08	0.00E+00	0.00E+00	9.41E-09	2.01E-09	1.27E-08	1.96E-09	8.60E-10	2.70E-08
4784	480863.09	3861377.25	9.06E-05	1.05E-04	4.76E-05	3.14E-08	9.47E-08	5.48E-08	6.34E-08	5.75E-08	2.62E-08	1.19E-08	0.00E+00	0.00E+00	1.01E-08	2.15E-09	1.37E-08	2.11E-09	9.22E-10	2.89E-08
4785	481363.09	3861377.25	9.74E-05	1.13E-04	5.11E-05	3.37E-08	1.02E-07	5.89E-08	6.81E-08	6.18E-08	2.82E-08	1.28E-08	0.00E+00	0.00E+00	1.08E-08	2.31E-09	1.47E-08	2.26E-09	9.91E-10	3.11E-08
4786	481863.09	3861377.25	1.04E-04	1.21E-04	5.47E-05	3.61E-08	1.09E-07	6.31E-08	7.30E-08	6.61E-08	3.02E-08	1.37E-08	0.00E+00	0.00E+00	1.16E-08	2.48E-09	1.57E-08	2.42E-09	1.06E-09	3.33E-08
4787	482363.09	3861377.25	1.09E-04	1.27E-04	5.75E-05	3.79E-08	1.14E-07	6.63E-08	7.66E-08	6.95E-08	3.17E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.60E-09	1.65E-08	2.55E-09	1.11E-09	3.50E-08
4788	482863.09	3861377.25	1.15E-04	1.33E-04	6.04E-05	3.98E-08	1.20E-07	6.96E-08	8.05E-08	7.30E-08	3.33E-08	1.51E-08	0.00E+00	0.00E+00	1.28E-08	2.73E-09	1.73E-08	2.67E-09	1.17E-09	3.67E-08
4789	483363.09	3861377.25	1.21E-04	1.40E-04	6.33E-05	4.18E-08	1.26E-07	7.30E-08	8.45E-08	7.66E-08	3.49E-08	1.59E-08	0.00E+00	0.00E+00	1.34E-08	2.87E-09	1.82E-08	2.81E-09	1.23E-09	3.85E-08
4790	483863.09	3861377.25	1.23E-04	1.42E-04	6.45E-05	4.26E-08	1.28E-07	7.44E-08	8.60E-08	7.80E-08	3.56E-08	1.61E-08	0.00E+00	0.00E+00	1.37E-08	2.92E-09	1.85E-08	2.86E-09	1.25E-09	3.92E-08
4791	484363.09	3861377.25	1.25E-04	1.44E-04	6.55E-05	4.32E-08	1.31E-07	7.56E-08	8.74E-08	7.92E-08	3.61E-08	1.64E-08	0.00E+00	0.00E+00	1.39E-08	2.97E-09	1.88E-08	2.90E-09	1.27E-09	3.99E-08
4792	484863.09	3861377.25	1.20E-04	1.39E-04	6.28E-05	4.15E-08	1.25E-07	7.25E-08	8.38E-08	7.60E-08	3.47E-08	1.57E-08	0.00E+00	0.00E+00	1.33E-08	2.85E-09	1.81E-08	2.78E-09	1.22E-09	3.82E-08
4793	485363.09	3861377.25	1.14E-04	1.32E-04	5.98E-05	3.95E-08	1.19E-07	6.90E-08	7.98E-08	7.24E-08	3.30E-08	1.50E-08	0.00E+00	0.00E+00	1.27E-08	2.71E-09	1.72E-08	2.65E-09	1.16E-09	3.64E-08
4794	485863.09	3861377.25	1.12E-04	1.29E-04	5.85E-05	3.86E-08	1.17E-07	6.75E-08	7.80E-08	7.07E-08	3.23E-08	1.46E-08	0.00E+00	0.00E+00	1.24E-08	2.65E-09	1.68E-08	2.59E-09	1.13E-09	3.56E-08
4795	486363.09	3861377.25	1.09E-04	1.26E-04	5.71E-05	3.77E-08	1.14E-07	6.59E-08	7.62E-08	6.91E-08	3.15E-08	1.43E-08	0.00E+00	0.00E+00	1.21E-08	2.59E-09	1.64E-08	2.53E-09	1.11E-09	3.48E-08
4796	486863.09	3861377.25	1.09E-04	1.26E-04	5.69E-05	3.76E-08	1.13E-07	6.57E-08	7.60E-08	6.89E-08	3.14E-08	1.43E-08	0.00E+00	0.00E+00	1.21E-08	2.58E-09	1.64E-08	2.52E-09	1.10E-09	3.47E-08
4797	487363.09	3861377.25	1.10E-04	1.27E-04	5.75E-05	3.79E-08	1.15E-07	6.63E-08	7.67E-08	6.95E-08	3.17E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.60E-09	1.65E-08	2.55E-09	1.11E-09	3.50E-08
4798	487863.09	3861377.25	1.11E-04	1.28E-04	5.83E-05	3.84E-08	1.16E-07	6.71E-08	7.76E-08	7.04E-08	3.21E-08	1.46E-08	0.00E+00	0.00E+00	1.24E-08	2.64E-09	1.67E-08	2.58E-09	1.13E-09	3.54E-08
4799	488363.09	3861377.25	1.09E-04	1.26E-04	5.74E-05	3.78E-08	1.14E-07	6.60E-08	7.64E-08	6.92E-08	3.16E-08	1.44E-08	0.00E+00	0.00E+00	1.21E-08	2.59E-09	1.64E-08	2.54E-09	1.11E-09	3.48E-08
4800	488863.09	3861377.25	1.12E-04	1.30E-04	5.90E-05	3.89E-08	1.18E-07	6.80E-08	7.87E-08	7.13E-08	3.25E-08	1.48E-08	0.00E+00	0.00E+00	1.25E-08	2.67E-09	1.69E-08	2.61E-09	1.14E-09	3.59E-08
4801	489363.09	3861377.25	1.16E-04	1.34E-04	6.07E-05	4.00E-08	1.21E-07	7.00E-08	8.09E-08	7.34E-08	3.35E-08	1.52E-08	0.00E+00	0.00E+00	1.29E-08	2.75E-09	1.74E-08	2.69E-09	1.18E-09	3.69E-08
4802	489863.09	3861377.25	1.18E-04	1.37E-04	6.20E-05	4.09E-08	1.23E-07	7.15E-08	8.26E-08	7.49E-08	3.42E-08	1.55E-08	0.00E+00	0.00E+00	1.31E-08	2.81E-09	1.78E-08	2.74E-09	1.20E-09	3.77E-08
4803	490363.09	3861377.25	1.19E-04	1.38E-04	6.27E-05	4.13E-08	1.25E-07	7.22E-08	8.34E-08	7.56E-08	3.45E-08	1.57E-08	0.00E+00	0.00E+00	1.33E-08	2.83E-09	1.80E-08	2.77E-09	1.21E-09	3.81E-08
4804	490863.09	3861377.25	1.21E-04	1.40E-04	6.35E-05	4.18E-08	1.26E-07	7.31E-08	8.45E-08	7.66E-08	3.50E-08	1.59E-08	0.00E+00	0.00E+00	1.34E-08	2.87E-09	1.82E-08	2.81E-09	1.23E-09	3.86E-08
4805	491363.09	3861377.25	1.27E-04	1.46E-04	6.65E-05	4.38E-08	1.32E-07	7.66E-08	8.86E-08	8.03E-08	3.66E-08	1.66E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
4806	491863.09	3861377.25	1.24E-04	1.44E-04	6.54E-05	4.30E-08	1.30E-07	7.52E-08	8.70E-08	7.88E-08	3.60E-08	1.64E-08	0.00E+00	0.00E+00	1.38E-08	2.95E-09	1.87E-08	2.89E-09	1.27E-09	3.97E-08
4807	492363.09	3861377.25	1.17E-04	1.35E-04	6.14E-05	4.04E-08	1.22E-07	7.06E-08	8.16E-08	7.40E-08	3.38E-08	1.54E-08	0.00E+00	0.00E+00	1.30E-08	2.77E-09	1.76E-08	2.71E-09	1.19E-09	3.72E-08
4808	492863.09	3861377.25	1.12E-04	1.30E-04	5.92E-05	3.89E-08	1.18E-07	6.81E-08	7.87E-08	7.13E-08	3.25E-08	1.48E-08	0.00E+00	0.00E+00	1.25E-08	2.67E-09	1.69E-08	2.61E-09	1.15E-09	3.59E-08
4809	493363.09	3861377.25	1.12E-04	1.30E-04	5.91E-05	3.89E-08	1.17E-07	6.80E-08	7.86E-08	7.12E-08	3.25E-08	1.48E-08	0.00E+00	0.00E+00	1.25E-08	2.67E-09	1.69E-08	2.61E-09	1.15E-09	3.58E-08
4810	493863.09	3861377.25	1.13E-04	1.31E-04	5.97E-05	3.93E-08	1.19E-07	6.87E-08	7.94E-08	7.20E-08	3.28E-08	1.49E-08	0.00E+00	0.00E+00	1.26E-08	2.69E-09	1.71E-08	2.64E-09	1.16E-09	3.62E-08
4811	494363.09	3861377.25	1.17E-04	1.35E-04	6.16E-05	4.05E-08	1.22E-07	7.08E-08	8.19E-08	7.42E-08	3.39E-08	1.54E-08	0.00E+00	0.00E+00	1.30E-08	2.78E-09	1.76E-08	2.72E-09	1.19E-09	3.74E-08
4812	494863.09	3861377.25	1.22E-04	1.42E-04	6.44E-05	4.24E-08	1.28E-07	7.41E-08	8.57E-08	7.77E-08	3.54E-08	1.61E-08	0.00E+00	0.00E+00	1.36E-08	2.91E-09	1.85E-08	2.85E-09	1.25E-09	3.91E-08
4813	495363.09	3861377.25	1.26E-04	1.46E-04	6.64E-05	4.38E-08	1.32E-07	7.65E-08	8.84E-08	8.02E-08	3.66E-08	1.66E-08	0.00E+00	0.00E+00	1.41E-08	3.00E-09	1.90E-08	2.94E-09	1.29E-09	4.03E-08
4814	495863.09	3861377.25	1.27E-04	1.46E-04	6.66E-05	4.39E-08	1.32E-07	7.67E-08	8.86E-08	8.03E-08	3.67E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
4815	496363.09	3861377.25	1.27E-04	1.47E-04	6.66E-05	4.39E-08	1.32E-07	7.67E-08	8.86E-08	8.04E-08	3.67E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
4816	496863.09	3861377.25	1.27E-04	1.46E-04	6.67E-05	4.38E-08	1.32E-07	7.66E-08	8.86E-08	8.03E-08	3.66E-08	1.67E-08	0.00E+00	0.00E+00	1.41E-08	3.01E-09	1.91E-08	2.94E-09	1.29E-09	4.04E-08
4817	497363.09	3861377.25	1.24E-04	1.43E-04	6.52E-05	4.28E-08	1.29E-07	7.49E-08	8.66E-08	7.85E-08	3.58E-08	1.63E-08	0.00E+00	0.00E+00	1.38E-08	2.94E-09	1.86E-08	2.88E-09	1.26E-09	3.95E-08
4818	497863.09	3861377.25	1.21E-04	1.40E-04	6.37E-05	4.19E-08	1.26E-07	7.32E-08	8.46E-08	7.67E-08	3.50E-08	1.59E-08	0.00E+00	0.00E+00	1.35E-08	2.87E-09	1.82E-08	2.81E-09	1.23E-09	3.86E-08
4819	498363.09	3861377.25	1.19E-04	1.37E-04	6.25E-05	4.11E-08	1.24E-07	7.18E-08	8.30E-08	7.52E-08	3.43E-08	1.56E-08	0.00E+00	0.00E+00	1.32E-08	2.82E-09	1.79E-08	2.76E-09	1.21E-09	3.79E-08
4820	471363.09	3861877.25	3.80E-05	4.39E-05	2.00E-05	1.32E-08	3.97E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	5.02E-09	0.00E+00	0.00E+00	4.23E-09	9.02E-10	5.72E-09	8.83E-10	3.88E-10	1.21E-08
4821	471863.09	3861877.25	4.03E-05	4.66E-05	2.12E-05	1.39E-08	4.21E-08	2.44E-08	2.82E-08	2.55E-08	1.17E-08	5.31E-09	0.00E+00	0.00E+00	4.48E-09	9.56E-10	6.07E-09	9.36E-10	4.11E-10	1.29E-08
4822	472363.09	3861877.25	4.24E-05	4.90E-05	2.24E-05	1.47E-08	4.44E-08	2.57E-08	2.97E-08	2.69E-08	1.23E-08	5.60E-09	0.00E+00	0.00E+00	4.72E-09	1.01E-09	6.39E-09	9.86E-10	4.33E-10	1.35E-08
4823	472863.09	3861877.25	4.43E-05	5.12E-05	2.33E-05	1.53E-08	4.63E-08	2.68E-08	3.10E-08	2.81E-08	1.28E-08	5.84E-09	0.00E+00	0.00E+00	4.93E-09	1.05E-09	6.67E-09	1.03E-09	4.52E-10	1.41E-08

4824	473363.09	3861877.25	4.58E-05	5.29E-05	2.41E-05	1.59E-08	4.79E-08	2.77E-08	3.20E-08	2.90E-08	1.32E-08	6.04E-09	0.00E+00	0.00E+00	5.10E-09	1.09E-09	6.90E-09	1.06E-09	4.68E-10	1.46E-08
4825	473863.09	3861877.25	4.71E-05	5.44E-05	2.48E-05	1.63E-08	4.92E-08	2.85E-08	3.29E-08	2.99E-08	1.36E-08	6.21E-09	0.00E+00	0.00E+00	5.24E-09	1.12E-09	7.09E-09	1.09E-09	4.81E-10	1.50E-08
4826	474363.09	3861877.25	4.84E-05	5.59E-05	2.55E-05	1.68E-08	5.06E-08	2.93E-08	3.39E-08	3.07E-08	1.40E-08	6.38E-09	0.00E+00	0.00E+00	5.39E-09	1.15E-09	7.29E-09	1.12E-09	4.94E-10	1.54E-08
4827	474863.09	3861877.25	4.99E-05	5.77E-05	2.63E-05	1.73E-08	5.22E-08	3.02E-08	3.49E-08	3.17E-08	1.44E-08	6.59E-09	0.00E+00	0.00E+00	5.56E-09	1.19E-09	7.52E-09	1.16E-09	5.10E-10	1.59E-08
4828	475363.09	3861877.25	5.18E-05	5.99E-05	2.73E-05	1.79E-08	5.41E-08	3.13E-08	3.62E-08	3.28E-08	1.50E-08	6.83E-09	0.00E+00	0.00E+00	5.76E-09	1.23E-09	7.80E-09	1.20E-09	5.29E-10	1.65E-08
4829	475863.09	3861877.25	5.38E-05	6.22E-05	2.84E-05	1.86E-08	5.63E-08	3.26E-08	3.76E-08	3.41E-08	1.56E-08	7.10E-09	0.00E+00	0.00E+00	5.99E-09	1.28E-09	8.11E-09	1.25E-09	5.49E-10	1.72E-08
4830	476363.09	3861877.25	5.58E-05	6.45E-05	2.94E-05	1.93E-08	5.84E-08	3.38E-08	3.91E-08	3.54E-08	1.62E-08	7.36E-09	0.00E+00	0.00E+00	6.22E-09	1.33E-09	8.41E-09	1.30E-09	5.70E-10	1.78E-08
4831	476863.09	3861877.25	5.77E-05	6.66E-05	3.04E-05	2.00E-08	6.03E-08	3.49E-08	4.03E-08	3.66E-08	1.67E-08	7.60E-09	0.00E+00	0.00E+00	6.42E-09	1.37E-09	8.69E-09	1.34E-09	5.89E-10	1.84E-08
4832	477363.09	3861877.25	5.84E-05	6.75E-05	3.08E-05	2.02E-08	6.11E-08	3.54E-08	4.09E-08	3.70E-08	1.69E-08	7.71E-09	0.00E+00	0.00E+00	6.50E-09	1.39E-09	8.80E-09	1.36E-09	5.97E-10	1.86E-08
4833	477863.09	3861877.25	5.28E-05	6.10E-05	2.81E-05	1.83E-08	5.52E-08	3.20E-08	3.69E-08	3.35E-08	1.53E-08	7.03E-09	0.00E+00	0.00E+00	5.88E-09	1.25E-09	7.95E-09	1.23E-09	5.44E-10	1.69E-08
4834	478363.09	3861877.25	2.86E-05	3.30E-05	1.53E-05	9.90E-09	2.99E-08	1.73E-08	2.00E-08	1.81E-08	8.26E-09	3.82E-09	0.00E+00	0.00E+00	3.18E-09	6.78E-10	4.30E-09	6.63E-10	2.96E-10	9.12E-09
4835	478863.09	3861877.25	4.68E-05	5.41E-05	2.48E-05	1.62E-08	4.89E-08	2.83E-08	3.27E-08	2.97E-08	1.35E-08	6.21E-09	0.00E+00	0.00E+00	5.21E-09	1.11E-09	7.05E-09	1.09E-09	4.81E-10	1.49E-08
4836	479363.09	3861877.25	4.50E-05	5.19E-05	2.38E-05	1.56E-08	4.70E-08	2.72E-08	3.14E-08	2.85E-08	1.30E-08	5.96E-09	0.00E+00	0.00E+00	5.01E-09	1.07E-09	6.77E-09	1.04E-09	4.62E-10	1.43E-08
4837	479863.09	3861877.25	7.29E-05	8.43E-05	3.84E-05	2.53E-08	7.62E-08	4.41E-08	5.10E-08	4.63E-08	2.11E-08	9.61E-09	0.00E+00	0.00E+00	8.12E-09	1.73E-09	1.10E-08	1.69E-09	7.44E-10	2.33E-08
4838	480363.09	3861877.25	7.78E-05	9.00E-05	4.09E-05	2.69E-08	8.14E-08	4.71E-08	5.45E-08	4.94E-08	2.25E-08	1.02E-08	0.00E+00	0.00E+00	8.67E-09	1.85E-09	1.17E-08	1.81E-09	7.93E-10	2.48E-08
4839	480863.09	3861877.25	8.29E-05	9.59E-05	4.36E-05	2.87E-08	8.67E-08	5.02E-08	5.80E-08	5.26E-08	2.40E-08	1.09E-08	0.00E+00	0.00E+00	9.23E-09	1.97E-09	1.25E-08	1.93E-09	8.45E-10	2.65E-08
4840	481363.09	3861877.25	8.85E-05	1.02E-04	4.65E-05	3.06E-08	9.25E-08	5.35E-08	6.19E-08	5.61E-08	2.56E-08	1.16E-08	0.00E+00	0.00E+00	9.85E-09	2.10E-09	1.33E-08	2.06E-09	9.01E-10	2.82E-08
4841	481863.09	3861877.25	9.37E-05	1.08E-04	4.92E-05	3.24E-08	9.80E-08	5.67E-08	6.56E-08	5.95E-08	2.71E-08	1.23E-08	0.00E+00	0.00E+00	1.04E-08	2.23E-09	1.41E-08	2.18E-09	9.54E-10	2.99E-08
4842	482363.09	3861877.25	9.76E-05	1.13E-04	5.13E-05	3.38E-08	1.02E-07	5.91E-08	6.83E-08	6.19E-08	2.83E-08	1.28E-08	0.00E+00	0.00E+00	1.09E-08	2.32E-09	1.47E-08	2.27E-09	9.94E-10	3.12E-08
4843	482863.09	3861877.25	1.02E-04	1.18E-04	5.35E-05	3.53E-08	1.07E-07	6.17E-08	7.13E-08	6.46E-08	2.95E-08	1.34E-08	0.00E+00	0.00E+00	1.13E-08	2.42E-09	1.54E-08	2.37E-09	1.04E-09	3.25E-08
4844	483363.09	3861877.25	1.05E-04	1.22E-04	5.52E-05	3.64E-08	1.10E-07	6.37E-08	7.36E-08	6.68E-08	3.05E-08	1.38E-08	0.00E+00	0.00E+00	1.17E-08	2.50E-09	1.59E-08	2.45E-09	1.07E-09	3.36E-08
4845	483863.09	3861877.25	1.07E-04	1.23E-04	5.60E-05	3.70E-08	1.12E-07	6.46E-08	7.47E-08	6.77E-08	3.09E-08	1.40E-08	0.00E+00	0.00E+00	1.19E-08	2.54E-09	1.61E-08	2.48E-09	1.09E-09	3.41E-08
4846	484363.09	3861877.25	1.06E-04	1.22E-04	5.54E-05	3.66E-08	1.10E-07	6.39E-08	7.40E-08	6.70E-08	3.06E-08	1.39E-08	0.00E+00	0.00E+00	1.18E-08	2.51E-09	1.59E-08	2.46E-09	1.07E-09	3.37E-08
4847	484863.09	3861877.25	1.04E-04	1.20E-04	5.45E-05	3.60E-08	1.09E-07	6.29E-08	7.28E-08	6.60E-08	3.01E-08	1.36E-08	0.00E+00	0.00E+00	1.16E-08	2.47E-09	1.57E-08	2.42E-09	1.06E-09	3.32E-08
4848	485363.09	3861877.25	1.01E-04	1.16E-04	5.27E-05	3.48E-08	1.05E-07	6.09E-08	7.04E-08	6.38E-08	2.91E-08	1.32E-08	0.00E+00	0.00E+00	1.12E-08	2.39E-09	1.52E-08	2.34E-09	1.02E-09	3.21E-08
4849	485863.09	3861877.25	9.50E-05	1.10E-04	4.99E-05	3.29E-08	9.93E-08	5.75E-08	6.65E-08	6.03E-08	2.75E-08	1.25E-08	0.00E+00	0.00E+00	1.06E-08	2.26E-09	1.43E-08	2.21E-09	9.66E-10	3.03E-08
4850	486363.09	3861877.25	9.30E-05	1.08E-04	4.88E-05	3.22E-08	9.73E-08	5.63E-08	6.51E-08	5.90E-08	2.69E-08	1.22E-08	0.00E+00	0.00E+00	1.04E-08	2.21E-09	1.40E-08	2.16E-09	9.46E-10	2.97E-08
4851	486863.09	3861877.25	9.30E-05	1.08E-04	4.88E-05	3.22E-08	9.72E-08	5.63E-08	6.51E-08	5.90E-08	2.69E-08	1.22E-08	0.00E+00	0.00E+00	1.04E-08	2.21E-09	1.40E-08	2.16E-09	9.45E-10	2.97E-08
4852	487363.09	3861877.25	9.46E-05	1.09E-04	4.96E-05	3.28E-08	9.89E-08	5.73E-08	6.62E-08	6.00E-08	2.74E-08	1.24E-08	0.00E+00	0.00E+00	1.05E-08	2.25E-09	1.43E-08	2.20E-09	9.62E-10	3.02E-08
4853	487863.09	3861877.25	9.60E-05	1.11E-04	5.04E-05	3.32E-08	1.00E-07	5.81E-08	6.72E-08	6.09E-08	2.78E-08	1.26E-08	0.00E+00	0.00E+00	1.07E-08	2.28E-09	1.45E-08	2.23E-09	9.78E-10	3.07E-08
4854	488363.09	3861877.25	9.39E-05	1.09E-04	4.93E-05	3.25E-08	9.81E-08	5.68E-08	6.57E-08	5.96E-08	2.72E-08	1.23E-08	0.00E+00	0.00E+00	1.05E-08	2.23E-09	1.41E-08	2.18E-09	9.56E-10	3.00E-08
4855	488863.09	3861877.25	9.42E-05	1.09E-04	4.94E-05	3.26E-08	9.85E-08	5.70E-08	6.60E-08	5.98E-08	2.73E-08	1.24E-08	0.00E+00	0.00E+00	1.05E-08	2.24E-09	1.42E-08	2.19E-09	9.58E-10	3.01E-08
4856	489363.09	3861877.25	9.71E-05	1.12E-04	5.09E-05	3.36E-08	1.02E-07	5.88E-08	6.80E-08	6.16E-08	2.81E-08	1.27E-08	0.00E+00	0.00E+00	1.08E-08	2.31E-09	1.46E-08	2.26E-09	9.87E-10	3.10E-08
4857	489863.09	3861877.25	9.90E-05	1.14E-04	5.19E-05	3.43E-08	1.03E-07	5.99E-08	6.93E-08	6.28E-08	2.87E-08	1.30E-08	0.00E+00	0.00E+00	1.10E-08	2.35E-09	1.49E-08	2.30E-09	1.01E-09	3.16E-08
4858	490363.09	3861877.25	1.00E-04	1.16E-04	5.25E-05	3.47E-08	1.05E-07	6.06E-08	7.01E-08	6.35E-08	2.90E-08	1.32E-08	0.00E+00	0.00E+00	1.11E-08	2.38E-09	1.51E-08	2.33E-09	1.02E-09	3.20E-08
4859	490863.09	3861877.25	1.01E-04	1.17E-04	5.30E-05	3.49E-08	1.05E-07	6.10E-08	7.05E-08	6.39E-08	2.92E-08	1.33E-08	0.00E+00	0.00E+00	1.12E-08	2.39E-09	1.52E-08	2.34E-09	1.03E-09	3.22E-08
4860	491363.09	3861877.25	1.03E-04	1.19E-04	5.39E-05	3.55E-08	1.07E-07	6.21E-08	7.18E-08	6.51E-08	2.97E-08	1.35E-08	0.00E+00	0.00E+00	1.14E-08	2.44E-09	1.55E-08	2.38E-09	1.04E-09	3.27E-08
4861	491863.09	3861877.25	1.08E-04	1.25E-04	5.68E-05	3.75E-08	1.13E-07	6.55E-08	7.57E-08	6.86E-08	3.13E-08	1.42E-08	0.00E+00	0.00E+00	1.20E-08	2.57E-09	1.63E-08	2.52E-09	1.10E-09	3.45E-08
4862	492363.09	3861877.25	1.07E-04	1.23E-04	5.60E-05	3.69E-08	1.11E-07	6.45E-08	7.46E-08	6.76E-08	3.08E-08	1.40E-08	0.00E+00	0.00E+00	1.19E-08	2.53E-09	1.61E-08	2.48E-09	1.08E-09	3.40E-08
4863	492863.09	3861877.25	1.00E-04	1.16E-04	5.27E-05	3.47E-08	1.05E-07	6.07E-08	7.02E-08	6.37E-08	2.90E-08	1.32E-08	0.00E+00	0.00E+00	1.12E-08	2.38E-09	1.51E-08	2.33E-09	1.02E-09	3.20E-08
4864	493363.09	3861877.25	9.61E-05	1.11E-04	5.05E-05	3.33E-08	1.00E-07	5.82E-08	6.72E-08	6.10E-08	2.78E-08	1.26E-08	0.00E+00	0.00E+00	1.07E-08	2.28E-09	1.45E-08	2.23E-09	9.79E-10	3.07E-08
4865	493863.09	3861877.25	9.53E-05	1.10E-04	5.01E-05	3.30E-08	9.96E-08	5.76E-08	6.66E-08	6.04E-08	2.76E-08	1.25E-08	0.00E+00	0.00E+00	1.06E-08	2.26E-09	1.44E-08	2.21E-09	9.71E-10	3.04E-08
4866	494363.09	3861877.25	9.56E-05	1.10E-04	5.03E-05	3.31E-08	9.99E-08	5.78E-08	6.69E-08	6.06E-08	2.77E-08	1.26E-08	0.00E+00	0.00E+00	1.06E-08	2.27E-09	1.44E-08	2.22E-09	9.74E-10	3.05E-08
4867	494863.09	3861877.25	9.74E-05	1.13E-04	5.12E-05	3.37E-08	1.02E-07	5.89E-08	6.82E-08	6.18E-08	2.82E-08	1.28E-08	0.00E+00	0.00E+00	1.08E-08	2.31E-09	1.47E-08	2.26E-09	9.93E-10	3.11E-08
4868	495363.09	3861877.25	1.01E-04	1.16E-04	5.29E-05	3.49E-08	1.05E-07	6.09E-08	7.05E-08	6.39E-08	2.91E-08	1.32E-08	0.00E+00	0.00E+00	1.12E-08	2.39E-09	1.52E-08	2.34E-09	1.03E-09	3.21E-08
4869	495863.09	3861877.25	1.05E-04	1.21E-04	5.50E-05	3.62E-08	1.09E-07	6.33E-08	7.33E-08	6.64E-08	3.03E-08	1.38E-08	0.00E+00	0.00E+00	1.17E-08	2.49E-09	1.58E-08	2.43E-09	1.07E-09	3.34E-08
4870	496363.09	3861877.25	1.08E-04	1.25E-04	5.66E-05	3.73E-08	1.13E-07	6.52E-08	7.54E-08	6.84E-08	3.12E-08	1.42E-08	0.00E+00	0.00E+00	1.20E-08	2.56E-09	1.62E-08	2.51E-09	1.10E-09	3.44E-08
4871	496863.09	3861877.25	1.15E-04	1.33E-04	6.05E-05	3.98E-08	1.20E-07	6.96E-08	8.05E-08	7.30E-08	3.33E-08	1.51E-08	0.00E+00	0.00E+00	1.28E-08	2.73E-09	1.73E-08	2.67E-09	1.17E-09	3.67E-08
4872	497363.09	3861877.25	1.09E-04	1.27E-04	5.75E-05	3.79E-08	1.14E-07	6.62E-08	7.66E-08	6.94E-08	3.17E-08	1.44E-08	0.00E+00	0.00E+00	1.22E-08	2.60E-09	1.65E-08	2.54E-09	1.12E-09	3.49E-08
4873	497863.09	3861877.25	1.06E-04	1.22E-04	5.56E-05	3.66E-08	1.11E-07	6.40E-08	7.40E-08	6.71E-08	3.06E-08	1.39E-08	0.00E+00	0.00E+00	1.18E-08	2.51E-09	1.59E-08	2.46E-09	1.08E-09	3.38E-08
4874	498363.09	3861877.25	1.03E-04	1.19E-04	5.42E-05	3.56E-08	1.08E-07	6.23E-08	7.20E-08	6.53E-08	2.98E-08	1.36E-08	0.00E+00	0.00E+00	1.15E-08	2.44E-09	1.55E-08	2.39E-09	1.05E-09	3.29E-08
4875	471363.09	3862377.25	3.78E-05	4.37E-05	1.99E-05	1.31E-08	3.95E-08	2.29E-08	2.64E-08	2.40E-08	1.09E-08	4.99E-09	0.00E+00	0.00E+00	4.21E-09	8.97E-10	5.69E-09	8.78E-10	3.86E-10	1.21E-08
4876	471863.09	3862377.25	3.93E-05	4.55E-05	2.07E-05	1.36E-08	4.11E-08	2.38E-08	2.75E-08	2.49E-08	1.14E-08	5.19E-09	0.00E+00	0.00E+00	4.38E-09	9.34E-10	5.92E-09	9.13E-10	4.02E-10	1.26E-08
4877	472363.09	3862377.25	4.06E-05	4.69E-05	2.14E-05	1.41E-08	4.24E-08	2.46E-08	2.84E-08	2.57E-08	1.17E-08	5.36E-09	0.00E+00	0.00E+00	4.52E-09	9.64E-10	6.11E-09	9.43E-10	4.15E-10	1.30E-08
4878	472863.09	3862377.25	4.17E-05	4.82E-05	2.20E-05	1.44E-08	4.36E-08	2.52E-08	2.91E-08	2.64E-08	1.21E-08	5.50E-09	0.00E+00	0.00E+00	4.64E-09	9.89E-10	6.28E-09	9.68E-10	4.26E-10	1.33E-08
4879	473363.09	3862377.25	4.27E-05	4.93E-05	2.25E-05	1.48E-08	4.46E-08	2.58E-08	2.98E-08	2.71E-08	1.23E-08	5.63E-09	0.00E+00	0.00E+00	4.75E-09	1.01E-09	6.43E-09	9.91E-10	4.36E-10	1.36E-08
4880	473863.09	3862377.25	4.38E-05	5.07E-05	2.31E-05	1.52E-08	4.58E-08	2.65E-08	3.07E-08	2.78E-08	1.27E-08	5.79E-09	0.00E+00	0.00E+00	4.88E-09	1.04E-09	6.60E-09	1.02E-09	4.48E-10	1.40E-08
4881	474363.09	3862377.25	4.53E-05	5.23E-05	2.39E-05	1.57E-08	4.73E-08	2.74E-08	3.16E-08	2.87E-08	1.31E-08	5.97E-09	0.00E+00	0.00E+00	5.04E-09	1.07E-09	6.82E-09	1.05E-09	4.62E-10	1.44E-08
4882	474863.09	3862377.25	4.68E-05	5.41E-05	2.47E-05	1.62E-08	4.89E-08	2.83E-08	3.27E-08	2.97E-08	1.35E-08	6.18E-09	0.00E+00	0.00E+00	5.21E-09	1.11E-09	7.05E-09	1.09E-09	4.78E-10	1.49E-08
4883	475363.09	3862377.25	4.83E-05	5.59E-05	2.55E-05	1.67E-08	5.05E-08	2.93E-08	3.38E-08	3.06E-08	1.40E-08	6.38E-09	0.00E+00	0.00E+00	5.38E-09	1.15E-09	7.28E-09	1.12E-09	4.94E-10	1.54E-08
4884	475863.09	3862377.25	4.97E-05	5.74E-05	2.62E-05	1.72E-08	5.19E-08	3.01E-08	3.47E-08	3.15E-08	1.44E-08	6.56E-09	0.00E+00	0.00E+00	5.53E-09	1.18E-09	7.48E-09	1.15E-09	5.08E-10	1.59E-08
4885	476363.09	3862377.25	5.08E-05	5.87E-05	2.68E-05	1.76E-08	5.31E-08	3.07E-08	3.55E-08	3.22E-08	1.47E-08	6.70E-09	0.00E+00	0.00E+00	5.65E-09	1.21E-09	7.65E-09	1.18E-09	5.19E-10	1.62E-08
4886	476863.09	3862377.25	5.15E-05	5.96E-05	2.72E-05	1.78E-08	5.39E-08	3.12E-08	3.60E-08	3.27E-08	1.49E-08	6.80E-09	0.00E+00	0.00E+00	5.74E-09	1.22E-09	7.76E-09	1.20E-09	5.26E-10	1.64E-08
4887	477363.09	3862377.25	5.19E-05	6.00E-05	2.74E-05	1.80E-08	5.43E-08	3.14E-08	3.63E-08	3.29E-08	1.50E-08	6.85E-09	0.00E+00	0.00E+00	5.78E-09	1.23E-09	7.82E-09	1.21E-09	5.31E-10	1.66E-08
4888	477863.09	3862377.25	5.07E-05	5.86E-05	2.69E-05	1.76E-08	5.30E-08	3.07E-08	3.54E-08	3.21E-08	1.47E-08	6.73E-09	0.00E+00	0.00E+00	5.64E-09	1.20E-09	7.63E-09	1.18E-09	5.21E-10	1.62E-08
4889	478363.09	3862377.25	4.64E-05	5.36E-05	2.46E-05	1.61E-08	4.85E-08	2.81E-08	3.24E-08	2.94E-08	1.34E-08	6.16E-09	0.00E+00	0.00E+00	5.17E-09	1.10E-09	6.99E-09	1.08E-09	4.77E-10	1.48E-08
4890	478863.09	3862377.25	5.02E-05	5.80E-05	2.65E-05	1.74E-08	5.25E-08	3.04E-08	3.51E-08	3.18E-08	1.45E-08	6.64E-09	0.00E+00	0.00E+00	5.59E-09	1.19E-09	7.56E-09	1.17E-09	5.14E-10	1.60E-08
4891	479363.09	3862377.25	5.85E-05	6.76E-05	3.09E-05	2.03E-08	6.12E-08	3.54E-08	4.09E-08	3.71E-08	1.69E-08	7.73E-09	0.00E+00	0.00E+00	6.51E-09	1.39E-09	8.81E-09	1.36E-09	5.98E-10	1.87E-08
4892	479863.09	3862377.25	6.77E-05	7.82E-05	3.56E-05	2.34E-08	7.07E-08	4.09E-08	4.73E-08	4.29E-08	1.96E-08	8.91E-09	0.00E+00	0.00E+00	7.53E-09	1.61E-09	1.02E-08	1.57E-09	6.90E-10	2.16E-08
4893	480363.09	3862377.25	7.16E-05	8.28E-05	3.77E-05	2.48E-08	7.48E-08	4.33E-08	5.01E-08	4.54E-08	2.07E-08	9.43E-09	0.00E+00	0.00E+00	7.97E-09	1.70E-09	1.08E-08	1.66E-09	7.30E-10	2.29E-08
4894	480863.09	3862377.25	7.60E-05	8.78E-05	3.99E-05	2.63E-08	7.94E-08	4.60E-08	5.31E-08	4.82E-08	2.20E-08	1.00E-08	0.00E+00	0.00E+00	8.46E-09	1.80E-09	1.14E-08	1.77E-09	7.74E-10	2.42E-08
4895	481363.09	3862377.25	8.08E-05	9.35E-05	4.25E-05	2.80E-08	8.45E-08	4.89E-08	5.66E-08	5.13E-08	2.34E-08	1.06E-08	0.00E+00	0.00E+00	9.00E-09	1.92E-09	1.22E-08	1.88E-09	8.23E-10	2.58E-08
4896	481863.09	3862377.25	8.45E-05	9.77E-05	4.44E-05	2.92E-08	8.83E-08	5.11E-08	5.91E-08	5.36E-08	2.44E-08	1.11E-08	0.00E+00	0.00E+00	9.40E-09	2.01E-09	1.27E-08	1.96E-09	8.60E-10	2.70E-08
4897	482363.09	3862377.25	8.70E-05	1.01E-04	4.57E-05	3.01E-08	9.09E-08	5.26E-08	6.09E-08	5.52E-08	2.52E-08	1.14E-08	0.00E+00	0.00E+00	9.68E-09	2.07E-09	1.31E-08	2.02E-09	8.85E-10	2.78E-08
4898	482863.09	3862377.25	8.99E-05	1.04E-04	4.72E-05	3.11E-08	9.40E-08	5.44E-08	6.29E-08	5.70E-08	2.60E-08	1.18E-08	0.00E+00	0.00E+00	1.00E-08	2.14E-09	1.36E-08	2.09E-09	9.15E-10	2.87E-08
4899	483363.09	3862377.25	9.27E-05	1.07E-04	4.87E-05	3.21E-08	9.69E-08	5.61E-08	6.49E-08	5.88E-08	2.68E-08	1.22E-08	0.00E+00	0.00E+00	1.03E-08	2.20E-09	1.40E-08	2.16E-09	9.43E-10	2.96E-08
4900	483863.09	3862377.25	9.23E-05	1.07E-04	4.84E-05	3.20E-08	9.65E-08	5.59E-08	6.46E-08	5.86E-08	2.67E-08	1.21E-08	0.00E+00	0.00E+00	1.03E-08	2.19E-09	1.39E-08	2.15E-09	9.39E-10	2.95E-08
4901	484363.09	3862377.25	9.19E-05	1.06E-04	4.82E-05	3.18E-08	9.61E-08	5.56E-08	6.43E-08	5.83E-08	2.66E-08	1.21E-08	0.00E+00	0.00E+00	1.02E-08	2.18E-09	1.39E-08	2.14E-09	9.34E-10	2.93E-08
4902	484863.09	3862377.25	8.97E-05	1.04E-04	4.70E-05	3.11E-08	9.38E-08	5.43E-08	6.28E-08	5.69E-08	2.60E-08	1.18E-08	0.00E+00	0.00E+00	9.99E-09	2.13E-09	1.35E-08	2.09E-09	9.12E-10	2.86E-08
4903	485363.09	3862377.25	8.71E-05	1.01E-04	4.57E-05	3.02E-08	9.11E-08	5.27E-08	6.10E-08	5.53E-08	2.52E-08	1.14E-08	0.00E+00	0.00E+00	9.70E-09	2.07E-09	1.31E-08	2.02E-09	8.86E-10	2.78E-08
4904	485863.09	3862377.25	8.29E-05	9.59E-05	4.35E-05	2.87E-08	8.66E-08	5.02E-08	5.80E-08	5.26E-08	2.40E-08	1.09E-08	0.00E+00	0.00E+00	9.23E-09	1.97E-09	1.25E-08	1.93E-09	8.43E-10	2.65E-08
4905	486363.09	3862377.25	8.05E-05	9.31E-05	4.22E-05	2.79E-08	8.41E-08	4.87E-08	5.63E-08	5.11E-08	2.33E-08	1.06E-08	0.00E+00	0.00E+00	8.96E-09	1.91E-09	1.21E-08	1.87E-09	8.18E-10	2.57E-08
4906	486863.09	3862377.25	8.04E-05	9.30E-05	4.21E-05	2.78E-08	8.40E-08	4.86E-08	5.63E-08	5.10E-08	2.33E-08	1.05E-08	0.00E+00	0.00E+00	8.95E-09	1.91E-09	1.21E-08	1.87E-09	8.17E-10	2.57E-08
4907	487363.09	3862377.25	8.21E-05	9.50E-05	4.31E-05	2.84E-08	8.58E-08	4.97E-08	5.75E-08	5.21E-08	2.38E-08	1.08E-08	0.00E+00	0.00E+00	9.14E-09	1.95E-09	1.24E-08	1.91E-09	8.35E-10	2.62E-08
4908	487863.09	3862377.25	8.42E-05	9.74E-05	4.42E-05	2.91E-08	8.80E-08	5.09E-08	5.89E-08	5.34E-08	2.44E-08	1.11E-08	0.00E+00	0.00E+00	9.37E-09	2.00E-09	1.27E-08	1.96E-09	8.57E-10	2.69E-08
4909	488363.09	3862377.25	8.26E-05	9.55E-05	4.34E-05	2.86E-08	8.63E-08	5.00E-08	5.78E-08	5.24E-08	2.39E-08	1.09E-08	0.00E+00	0.00E+00	9.19E-09	1.96E-09	1.24E-08	1.92E-09	8.41E-10	2.64E-08
4910	488863.09	3862377.25	8.12E-05	9.40E-05	4.26E-05	2.81E-08	8.49E-08	4.92E-08	5.69E-08	5.15E-08	2.35E-08	1.07E-08	0.00E+00	0.00E+00	9.04E-09	1.93E-09	1.22E-08	1.89E-09	8.26E-10	2.59E-08
4911	489363.09	3862377.25	8.37E-05	9.69E-05	4.39E-05	2.90E-08	8.75E-08	5.07E-08	5.86E-08	5.31E-08	2.42E-08	1.10E-08	0.00E+00	0.00E+00	9.32E-09	1.99E-09	1.26E-08	1.95E-09	8.50E-10	2.67E-08
4912	489863.09	3862377.25	8.64E-05	9.99E-05	4.52E-05	2.99E-08	9.03E-08	5.23E-08	6.04E-08	5.48E-08	2.50E-08	1.13E-08	0.00E+00	0.00E+00	9.61E-09	2.05E-09	1.30E-08	2.01E-09	8.77E-10	2.76E-08
4913	490363.09	3862377.25	8.69E-05	1.01E-04	4.56E-05	3.01E-08	9.09E-08	5.26E-08	6.08E-08	5.51E-08	2.52E-08	1.14E-08	0.00E+00	0.00E+00	9.68E-09	2.06E-09	1.31E-08	2.02E-09	8.83E-10	2.77E-08
4914	490863.09	3862377.25	8.87E-05	1.03E-04	4.65E-05	3.07E-08	9.27E-08	5.36E-08	6.20E-08	5.62E-08	2.57E-08	1.16E-08	0.00E+00	0.00E+00	9.87E-09	2.11E-09	1.34E-08	2.06E-09	9.02E-10	2.83E-08
4915	491363.09	3862377.25	8.85E-05	1.02E-04	4.65E-05	3.06E-08	9.25E-08	5.36E-08	6.19E-08	5.61E-08	2.56E-08	1.16E-08	0.00E+00	0.00E+00	9.85E-09	2.10E-09	1.33E-08	2.06E-09	9.01E-10	2.83E-08
4916	491863.09	3862377.25	8.93E-05	1.03E-04	4.69E-05	3.09E-08	9.33E-08	5.40E-08	6.25E-08	5.66E-08	2.58E-08	1.17E-08	0.00E+00	0.00E+00	9.94E-09	2.12E-09	1.35E-08	2.07E-09	9.08E-10	2.85E-08
4917	492363.09	3862377.25	9.41E-05	1.09E-04	4.94E-05	3.26E-08	9.83E-08	5.69E-08	6.58E-08	5.97E-08	2.72E-08	1.24E-08	0.00E+00	0.00E+00	1.05E-08	2.23E-09	1.42E-08	2.19E-09	9.57E-10	3.00E-08
4918	492863.09	3862377.25	9.41E-05	1.09E-04	4.94E-05	3.26E-08	9.83E-08	5.69E-08	6.58E-08	5.97E-08	2.72E-08	1.24E-08	0.00E+00	0.00E+00	1.05E-08	2.23E-09	1.42E-08	2.19E-09	9.57E-10	3.00E-08
4919	493363.09	3862377.25	8.91E-05	1.03E-04	4.68E-05	3.08E-08	9.31E-08	5.39E-08	6.23E-08	5.65E-08	2.58E-08	1.17E-08	0.00E+00	0.00E+00	9.92E-09	2.12E-09	1.34E-08	2.07E-09	9.07E-10	2.84E-08
4920	493863.09	3862377.25	8.45E-05	9.77E-05	4.44E-05	2.93E-08	8.84E-08	5.11E-08	5.91E-08	5.36E-08	2.45E-08	1.11E-08	0.00E+00	0.00E+00	9.41E-09	2.01E-09	1.27E-08	1.96E-09	8.61E-10	2.70E-08
4921	494363.09	3862377.25	8.31E-05	9.60E-05	4.37E-05	2.88E-08	8.68E-08	5.03E-08	5.81E-08	5.27E-08	2.40E-08	1.09E-08	0.00E+00	0.00E+00	9.25E-09	1.97E-09	1.25E-08	1.93E-09	8.46E-10	2.65E-08
4922	494863.09	3862377.25	8.33E-05	9.63E-05	4.38E-05	2.88E-08	8.71E-08	5.04E-08	5.83E-08	5.28E-08	2.41E-08	1.10E-08	0.00E+00	0.00E+00	9.27E-09	1.98E-09	1.26E-08	1.94E-09	8.49E-10	2.66E-08
4923	495363.09	3862377.25	8.33E-05	9.63E-05	4.38E-05	2.88E-08	8.70E-08	5.04E-08	5.83E-08	5.28E-08	2.41E-08	1.10E-08	0.00E+00	0.00E+00	9.27E-09	1.98E-09	1.25E-08	1.94E-09	8.49E-10	2.66E-08
4924	495863.09	3862377.25	8.47E-05	9.80E-05	4.46E-05	2.93E-08	8.86E-08	5.13E-08	5.93E-08	5.37E-08	2.45E-08	1.12E-08	0.00E+00	0.00E+00	9.43E-09	2.01E-09	1.28E-08	1.97E-09	8.63E-10	2.70E-08
4925	496363.09	3862377.25	8.76E-05	1.01E-04	4.60E-05	3.03E-08	9.15E-08	5.30E-08	6.13E-08	5.55E-08	2.53E-08	1.15E-08	0.00E+00	0.00E+00	9.75E-09	2.08E-09	1.32E-08	2.03E-09	8.92E-10	2.79E-08
4926	496863.09	3862377.25	9.17E-05	1.06E-04	4.82E-05	3.17E-08	9.58E-08	5.55E-08	6.42E-08	5.82E-08	2.65E-08	1.21E-08	0.00E+00	0.00E+00	1.02E-08	2.18E-09	1.38E-08	2.13E-09	9.33E-10	2.93E-08
4927	497363.09	3862377.25	9.31E-05	1.08E-04	4.89E-05	3.22E-08	9.73E-08	5.63E-08	6.51E-08	5.91E-08	2.69E-08	1.22E-08	0.00E+00	0.00E+00	1.04E-08	2.21E-09	1.40E-08	2.16E-09	9.47E-10	2.97E-08
4928	497863.09	3862377.25	9.31E-05	1.08E-04	4.89E-05	3.22E-08	9.73E-08	5.63E-08	6.51E-08	5.90E-08	2.69E-08	1.22E-08	0.00E+00	0.00E+00	1.04E-08	2.21E-09	1.40E-08	2.16E-09	9.48E-10	2.97E-08

4929	498363.09	3862377.25	9.12E-05	1.05E-04	4.79E-05	3.16E-08	9.53E-08	5.52E-08	6.38E-08	5.79E-08	2.64E-08	1.20E-08	0.00E+00	0.00E+00	1.02E-08	2.17E-09	1.37E-08	2.12E-09	9.29E-10	2.91E-08
4930	471363.09	3862877.25	3.63E-05	4.20E-05	1.92E-05	1.26E-08	3.80E-08	2.20E-08	2.54E-08	2.30E-08	1.05E-08	4.80E-09	0.00E+00	0.00E+00	4.04E-09	8.62E-10	5.47E-09	8.44E-10	3.71E-10	1.16E-08
4931	471863.09	3862877.25	3.72E-05	4.30E-05	1.96E-05	1.29E-08	3.89E-08	2.25E-08	2.60E-08	2.36E-08	1.08E-08	4.92E-09	0.00E+00	0.00E+00	4.14E-09	8.83E-10	5.60E-09	8.64E-10	3.81E-10	1.19E-08
4932	472363.09	3862877.25	3.80E-05	4.40E-05	2.01E-05	1.32E-08	3.98E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	5.02E-09	0.00E+00	0.00E+00	4.23E-09	9.03E-10	5.73E-09	8.83E-10	3.89E-10	1.21E-08
4933	472863.09	3862877.25	3.89E-05	4.50E-05	2.05E-05	1.35E-08	4.07E-08	2.36E-08	2.72E-08	2.47E-08	1.13E-08	5.14E-09	0.00E+00	0.00E+00	4.33E-09	9.24E-10	5.86E-09	9.04E-10	3.98E-10	1.24E-08
4934	473363.09	3862877.25	3.99E-05	4.62E-05	2.11E-05	1.38E-08	4.18E-08	2.42E-08	2.79E-08	2.53E-08	1.16E-08	5.28E-09	0.00E+00	0.00E+00	4.45E-09	9.48E-10	6.02E-09	9.28E-10	4.09E-10	1.27E-08
4935	473863.09	3862877.25	4.11E-05	4.75E-05	2.17E-05	1.42E-08	4.30E-08	2.49E-08	2.87E-08	2.61E-08	1.19E-08	5.43E-09	0.00E+00	0.00E+00	4.58E-09	9.76E-10	6.19E-09	9.55E-10	4.20E-10	1.31E-08
4936	474363.09	3862877.25	4.23E-05	4.89E-05	2.23E-05	1.47E-08	4.43E-08	2.56E-08	2.96E-08	2.68E-08	1.22E-08	5.59E-09	0.00E+00	0.00E+00	4.71E-09	1.00E-09	6.38E-09	9.83E-10	4.33E-10	1.35E-08
4937	474863.09	3862877.25	4.34E-05	5.01E-05	2.29E-05	1.50E-08	4.53E-08	2.63E-08	3.03E-08	2.75E-08	1.25E-08	5.73E-09	0.00E+00	0.00E+00	4.83E-09	1.03E-09	6.53E-09	1.01E-09	4.44E-10	1.38E-08
4938	475363.09	3862877.25	4.41E-05	5.10E-05	2.33E-05	1.53E-08	4.61E-08	2.67E-08	3.09E-08	2.80E-08	1.28E-08	5.83E-09	0.00E+00	0.00E+00	4.91E-09	1.05E-09	6.65E-09	1.02E-09	4.51E-10	1.41E-08
4939	475863.09	3862877.25	4.47E-05	5.16E-05	2.36E-05	1.55E-08	4.67E-08	2.70E-08	3.12E-08	2.83E-08	1.29E-08	5.90E-09	0.00E+00	0.00E+00	4.97E-09	1.06E-09	6.73E-09	1.04E-09	4.57E-10	1.43E-08
4940	476363.09	3862877.25	4.52E-05	5.22E-05	2.38E-05	1.56E-08	4.72E-08	2.73E-08	3.16E-08	2.86E-08	1.31E-08	5.97E-09	0.00E+00	0.00E+00	5.03E-09	1.07E-09	6.81E-09	1.05E-09	4.62E-10	1.44E-08
4941	476863.09	3862877.25	4.62E-05	5.33E-05	2.43E-05	1.60E-08	4.82E-08	2.79E-08	3.23E-08	2.93E-08	1.34E-08	6.09E-09	0.00E+00	0.00E+00	5.14E-09	1.10E-09	6.95E-09	1.07E-09	4.72E-10	1.47E-08
4942	477363.09	3862877.25	4.79E-05	5.53E-05	2.52E-05	1.66E-08	5.00E-08	2.90E-08	3.35E-08	3.03E-08	1.38E-08	6.32E-09	0.00E+00	0.00E+00	5.33E-09	1.14E-09	7.21E-09	1.11E-09	4.89E-10	1.53E-08
4943	477863.09	3862877.25	4.98E-05	5.76E-05	2.63E-05	1.73E-08	5.21E-08	3.02E-08	3.49E-08	3.16E-08	1.44E-08	6.58E-09	0.00E+00	0.00E+00	5.55E-09	1.18E-09	7.51E-09	1.16E-09	5.10E-10	1.59E-08
4944	478363.09	3862877.25	4.97E-05	5.74E-05	2.63E-05	1.72E-08	5.19E-08	3.01E-08	3.47E-08	3.15E-08	1.44E-08	6.57E-09	0.00E+00	0.00E+00	5.53E-09	1.18E-09	7.48E-09	1.15E-09	5.09E-10	1.59E-08
4945	478863.09	3862877.25	5.30E-05	6.13E-05	2.80E-05	1.84E-08	5.54E-08	3.21E-08	3.71E-08	3.36E-08	1.53E-08	7.01E-09	0.00E+00	0.00E+00	5.90E-09	1.26E-09	7.99E-09	1.23E-09	5.43E-10	1.69E-08
4946	479363.09	3862877.25	5.58E-05	6.44E-05	2.94E-05	1.93E-08	5.83E-08	3.37E-08	3.90E-08	3.53E-08	1.61E-08	7.36E-09	0.00E+00	0.00E+00	6.21E-09	1.32E-09	8.40E-09	1.30E-09	5.70E-10	1.78E-08
4947	479863.09	3862877.25	6.27E-05	7.25E-05	3.30E-05	2.17E-08	6.55E-08	3.79E-08	4.39E-08	3.98E-08	1.81E-08	8.26E-09	0.00E+00	0.00E+00	6.98E-09	1.49E-09	9.45E-09	1.46E-09	6.40E-10	2.00E-08
4948	480363.09	3862877.25	6.60E-05	7.64E-05	3.48E-05	2.29E-08	6.90E-08	4.00E-08	4.62E-08	4.19E-08	1.91E-08	8.70E-09	0.00E+00	0.00E+00	7.35E-09	1.57E-09	9.95E-09	1.53E-09	6.74E-10	2.11E-08
4949	480863.09	3862877.25	7.04E-05	8.13E-05	3.70E-05	2.44E-08	7.35E-08	4.26E-08	4.92E-08	4.46E-08	2.04E-08	9.26E-09	0.00E+00	0.00E+00	7.83E-09	1.67E-09	1.06E-08	1.63E-09	7.17E-10	2.25E-08
4950	481363.09	3862877.25	7.39E-05	8.54E-05	3.88E-05	2.56E-08	7.72E-08	4.47E-08	5.17E-08	4.69E-08	2.14E-08	9.72E-09	0.00E+00	0.00E+00	8.23E-09	1.75E-09	1.11E-08	1.72E-09	7.53E-10	2.36E-08
4951	481863.09	3862877.25	7.67E-05	8.87E-05	4.03E-05	2.66E-08	8.02E-08	4.64E-08	5.37E-08	4.87E-08	2.22E-08	1.01E-08	0.00E+00	0.00E+00	8.54E-09	1.82E-09	1.16E-08	1.78E-09	7.82E-10	2.45E-08
4952	482363.09	3862877.25	7.73E-05	8.93E-05	4.06E-05	2.67E-08	8.07E-08	4.67E-08	5.41E-08	4.90E-08	2.24E-08	1.02E-08	0.00E+00	0.00E+00	8.60E-09	1.83E-09	1.16E-08	1.80E-09	7.86E-10	2.47E-08
4953	482863.09	3862877.25	8.01E-05	9.27E-05	4.21E-05	2.77E-08	8.38E-08	4.85E-08	5.61E-08	5.08E-08	2.32E-08	1.05E-08	0.00E+00	0.00E+00	8.92E-09	1.90E-09	1.21E-08	1.86E-09	8.15E-10	2.56E-08
4954	483363.09	3862877.25	8.17E-05	9.45E-05	4.29E-05	2.83E-08	8.54E-08	4.94E-08	5.72E-08	5.18E-08	2.36E-08	1.07E-08	0.00E+00	0.00E+00	9.09E-09	1.94E-09	1.23E-08	1.90E-09	8.31E-10	2.61E-08
4955	483863.09	3862877.25	8.09E-05	9.36E-05	4.25E-05	2.80E-08	8.46E-08	4.90E-08	5.66E-08	5.13E-08	2.34E-08	1.06E-08	0.00E+00	0.00E+00	9.01E-09	1.92E-09	1.22E-08	1.88E-09	8.23E-10	2.58E-08
4956	484363.09	3862877.25	8.01E-05	9.27E-05	4.20E-05	2.77E-08	8.37E-08	4.85E-08	5.61E-08	5.08E-08	2.32E-08	1.05E-08	0.00E+00	0.00E+00	8.92E-09	1.90E-09	1.21E-08	1.86E-09	8.14E-10	2.56E-08
4957	484863.09	3862877.25	7.90E-05	9.14E-05	4.15E-05	2.74E-08	8.26E-08	4.78E-08	5.53E-08	5.01E-08	2.29E-08	1.04E-08	0.00E+00	0.00E+00	8.80E-09	1.88E-09	1.19E-08	1.84E-09	8.04E-10	2.52E-08
4958	485363.09	3862877.25	7.68E-05	8.88E-05	4.03E-05	2.66E-08	8.03E-08	4.65E-08	5.37E-08	4.87E-08	2.22E-08	1.01E-08	0.00E+00	0.00E+00	8.55E-09	1.82E-09	1.16E-08	1.79E-09	7.81E-10	2.45E-08
4959	485863.09	3862877.25	7.24E-05	8.38E-05	3.80E-05	2.51E-08	7.57E-08	4.38E-08	5.07E-08	4.59E-08	2.10E-08	9.51E-09	0.00E+00	0.00E+00	8.06E-09	1.72E-09	1.09E-08	1.68E-09	7.36E-10	2.31E-08
4960	486363.09	3862877.25	7.10E-05	8.21E-05	3.72E-05	2.46E-08	7.42E-08	4.30E-08	4.97E-08	4.50E-08	2.06E-08	9.32E-09	0.00E+00	0.00E+00	7.90E-09	1.69E-09	1.07E-08	1.65E-09	7.21E-10	2.27E-08
4961	486863.09	3862877.25	7.02E-05	8.12E-05	3.68E-05	2.43E-08	7.34E-08	4.25E-08	4.92E-08	4.46E-08	2.03E-08	9.22E-09	0.00E+00	0.00E+00	7.82E-09	1.67E-09	1.06E-08	1.63E-09	7.14E-10	2.24E-08
4962	487363.09	3862877.25	7.20E-05	8.33E-05	3.78E-05	2.49E-08	7.53E-08	4.36E-08	5.04E-08	4.57E-08	2.08E-08	9.46E-09	0.00E+00	0.00E+00	8.02E-09	1.71E-09	1.09E-08	1.67E-09	7.32E-10	2.30E-08
4963	487863.09	3862877.25	7.44E-05	8.60E-05	3.91E-05	2.57E-08	7.77E-08	4.50E-08	5.20E-08	4.72E-08	2.15E-08	9.78E-09	0.00E+00	0.00E+00	8.28E-09	1.77E-09	1.12E-08	1.73E-09	7.57E-10	2.37E-08
4964	488363.09	3862877.25	7.39E-05	8.55E-05	3.88E-05	2.56E-08	7.72E-08	4.47E-08	5.17E-08	4.69E-08	2.14E-08	9.71E-09	0.00E+00	0.00E+00	8.23E-09	1.76E-09	1.11E-08	1.72E-09	7.52E-10	2.36E-08
4965	488863.09	3862877.25	7.14E-05	8.26E-05	3.75E-05	2.47E-08	7.47E-08	4.32E-08	5.00E-08	4.53E-08	2.07E-08	9.38E-09	0.00E+00	0.00E+00	7.95E-09	1.70E-09	1.08E-08	1.66E-09	7.26E-10	2.28E-08
4966	489363.09	3862877.25	7.22E-05	8.35E-05	3.78E-05	2.50E-08	7.55E-08	4.37E-08	5.05E-08	4.58E-08	2.09E-08	9.47E-09	0.00E+00	0.00E+00	8.04E-09	1.72E-09	1.09E-08	1.68E-09	7.33E-10	2.31E-08
4967	489863.09	3862877.25	7.52E-05	8.70E-05	3.94E-05	2.60E-08	7.86E-08	4.55E-08	5.27E-08	4.77E-08	2.18E-08	9.86E-09	0.00E+00	0.00E+00	8.38E-09	1.79E-09	1.13E-08	1.75E-09	7.64E-10	2.40E-08
4968	490363.09	3862877.25	7.63E-05	8.82E-05	4.00E-05	2.64E-08	7.97E-08	4.61E-08	5.34E-08	4.84E-08	2.21E-08	1.00E-08	0.00E+00	0.00E+00	8.49E-09	1.81E-09	1.15E-08	1.77E-09	7.74E-10	2.43E-08
4969	490863.09	3862877.25	7.67E-05	8.87E-05	4.02E-05	2.66E-08	8.02E-08	4.64E-08	5.37E-08	4.87E-08	2.22E-08	1.01E-08	0.00E+00	0.00E+00	8.54E-09	1.82E-09	1.16E-08	1.78E-09	7.80E-10	2.45E-08
4970	491363.09	3862877.25	7.92E-05	9.16E-05	4.16E-05	2.74E-08	8.28E-08	4.79E-08	5.54E-08	5.03E-08	2.29E-08	1.04E-08	0.00E+00	0.00E+00	8.82E-09	1.88E-09	1.19E-08	1.84E-09	8.06E-10	2.53E-08
4971	491863.09	3862877.25	7.77E-05	8.99E-05	4.08E-05	2.69E-08	8.13E-08	4.70E-08	5.44E-08	4.93E-08	2.25E-08	1.02E-08	0.00E+00	0.00E+00	8.65E-09	1.85E-09	1.17E-08	1.81E-09	7.91E-10	2.48E-08
4972	492363.09	3862877.25	7.90E-05	9.13E-05	4.15E-05	2.73E-08	8.25E-08	4.78E-08	5.53E-08	5.01E-08	2.29E-08	1.04E-08	0.00E+00	0.00E+00	8.79E-09	1.88E-09	1.19E-08	1.84E-09	8.04E-10	2.52E-08
4973	492863.09	3862877.25	8.30E-05	9.60E-05	4.35E-05	2.87E-08	8.67E-08	5.02E-08	5.81E-08	5.26E-08	2.40E-08	1.09E-08	0.00E+00	0.00E+00	9.24E-09	1.97E-09	1.25E-08	1.93E-09	8.44E-10	2.65E-08
4974	493363.09	3862877.25	8.37E-05	9.68E-05	4.39E-05	2.90E-08	8.75E-08	5.06E-08	5.86E-08	5.31E-08	2.42E-08	1.10E-08	0.00E+00	0.00E+00	9.32E-09	1.99E-09	1.26E-08	1.95E-09	8.52E-10	2.67E-08
4975	493863.09	3862877.25	8.01E-05	9.27E-05	4.21E-05	2.77E-08	8.38E-08	4.85E-08	5.61E-08	5.08E-08	2.32E-08	1.05E-08	0.00E+00	0.00E+00	8.92E-09	1.90E-09	1.21E-08	1.86E-09	8.16E-10	2.56E-08
4976	494363.09	3862877.25	7.57E-05	8.76E-05	3.98E-05	2.62E-08	7.92E-08	4.58E-08	5.30E-08	4.80E-08	2.19E-08	9.96E-09	0.00E+00	0.00E+00	8.43E-09	1.80E-09	1.14E-08	1.76E-09	7.71E-10	2.42E-08
4977	494863.09	3862877.25	7.32E-05	8.47E-05	3.85E-05	2.54E-08	7.66E-08	4.43E-08	5.13E-08	4.65E-08	2.12E-08	9.63E-09	0.00E+00	0.00E+00	8.15E-09	1.74E-09	1.10E-08	1.70E-09	7.46E-10	2.34E-08
4978	495363.09	3862877.25	7.30E-05	8.44E-05	3.84E-05	2.53E-08	7.63E-08	4.42E-08	5.11E-08	4.63E-08	2.11E-08	9.60E-09	0.00E+00	0.00E+00	8.12E-09	1.73E-09	1.10E-08	1.70E-09	7.43E-10	2.33E-08
4979	495863.09	3862877.25	7.32E-05	8.47E-05	3.85E-05	2.54E-08	7.65E-08	4.43E-08	5.12E-08	4.64E-08	2.12E-08	9.64E-09	0.00E+00	0.00E+00	8.15E-09	1.74E-09	1.10E-08	1.70E-09	7.46E-10	2.34E-08
4980	496363.09	3862877.25	7.38E-05	8.53E-05	3.88E-05	2.55E-08	7.71E-08	4.46E-08	5.16E-08	4.68E-08	2.13E-08	9.71E-09	0.00E+00	0.00E+00	8.21E-09	1.75E-09	1.11E-08	1.71E-09	7.52E-10	2.35E-08
4981	496863.09	3862877.25	7.53E-05	8.71E-05	3.96E-05	2.61E-08	7.87E-08	4.56E-08	5.27E-08	4.78E-08	2.18E-08	9.91E-09	0.00E+00	0.00E+00	8.39E-09	1.79E-09	1.14E-08	1.75E-09	7.67E-10	2.40E-08
4982	497363.09	3862877.25	7.77E-05	8.99E-05	4.08E-05	2.69E-08	8.12E-08	4.70E-08	5.44E-08	4.93E-08	2.25E-08	1.02E-08	0.00E+00	0.00E+00	8.65E-09	1.85E-09	1.17E-08	1.81E-09	7.91E-10	2.48E-08
4983	497863.09	3862877.25	8.01E-05	9.26E-05	4.21E-05	2.77E-08	8.37E-08	4.85E-08	5.61E-08	5.08E-08	2.32E-08	1.05E-08	0.00E+00	0.00E+00	8.92E-09	1.90E-09	1.21E-08	1.86E-09	8.15E-10	2.56E-08
4984	498363.09	3862877.25	8.18E-05	9.46E-05	4.29E-05	2.83E-08	8.55E-08	4.95E-08	5.72E-08	5.19E-08	2.37E-08	1.07E-08	0.00E+00	0.00E+00	9.10E-09	1.94E-09	1.23E-08	1.90E-09	8.32E-10	2.61E-08
4985	471363.09	3863377.25	3.43E-05	3.96E-05	1.81E-05	1.19E-08	3.58E-08	2.07E-08	2.39E-08	2.17E-08	9.91E-09	4.53E-09	0.00E+00	0.00E+00	3.81E-09	8.13E-10	5.16E-09	7.95E-10	3.51E-10	1.09E-08
4986	471863.09	3863377.25	3.50E-05	4.04E-05	1.85E-05	1.21E-08	3.65E-08	2.12E-08	2.44E-08	2.22E-08	1.01E-08	4.62E-09	0.00E+00	0.00E+00	3.89E-09	8.30E-10	5.27E-09	8.12E-10	3.58E-10	1.12E-08
4987	472363.09	3863377.25	3.57E-05	4.13E-05	1.89E-05	1.24E-08	3.73E-08	2.16E-08	2.50E-08	2.26E-08	1.03E-08	4.72E-09	0.00E+00	0.00E+00	3.98E-09	8.48E-10	5.38E-09	8.29E-10	3.66E-10	1.14E-08
4988	472863.09	3863377.25	3.66E-05	4.23E-05	1.93E-05	1.27E-08	3.82E-08	2.21E-08	2.56E-08	2.32E-08	1.06E-08	4.84E-09	0.00E+00	0.00E+00	4.07E-09	8.68E-10	5.51E-09	8.50E-10	3.75E-10	1.17E-08
4989	473363.09	3863377.25	3.74E-05	4.32E-05	1.98E-05	1.29E-08	3.91E-08	2.26E-08	2.62E-08	2.37E-08	1.08E-08	4.94E-09	0.00E+00	0.00E+00	4.16E-09	8.88E-10	5.63E-09	8.69E-10	3.83E-10	1.19E-08
4990	473863.09	3863377.25	3.82E-05	4.41E-05	2.02E-05	1.32E-08	3.99E-08	2.31E-08	2.67E-08	2.42E-08	1.10E-08	5.05E-09	0.00E+00	0.00E+00	4.25E-09	9.06E-10	5.75E-09	8.87E-10	3.91E-10	1.22E-08
4991	474363.09	3863377.25	3.88E-05	4.48E-05	2.05E-05	1.34E-08	4.05E-08	2.35E-08	2.71E-08	2.46E-08	1.12E-08	5.13E-09	0.00E+00	0.00E+00	4.32E-09	9.20E-10	5.84E-09	9.01E-10	3.97E-10	1.24E-08
4992	474863.09	3863377.25	3.91E-05	4.52E-05	2.07E-05	1.35E-08	4.09E-08	2.37E-08	2.73E-08	2.48E-08	1.13E-08	5.17E-09	0.00E+00	0.00E+00	4.35E-09	9.28E-10	5.89E-09	9.08E-10	4.00E-10	1.25E-08
4993	475363.09	3863377.25	3.96E-05	4.57E-05	2.09E-05	1.37E-08	4.14E-08	2.40E-08	2.77E-08	2.51E-08	1.14E-08	5.23E-09	0.00E+00	0.00E+00	4.41E-09	9.40E-10	5.96E-09	9.19E-10	4.05E-10	1.26E-08
4994	475863.09	3863377.25	4.03E-05	4.65E-05	2.12E-05	1.39E-08	4.21E-08	2.44E-08	2.81E-08	2.55E-08	1.16E-08	5.32E-09	0.00E+00	0.00E+00	4.48E-09	9.55E-10	6.06E-09	9.35E-10	4.12E-10	1.28E-08
4995	476363.09	3863377.25	4.13E-05	4.77E-05	2.18E-05	1.43E-08	4.31E-08	2.50E-08	2.89E-08	2.62E-08	1.19E-08	5.45E-09	0.00E+00	0.00E+00	4.59E-09	9.79E-10	6.21E-09	9.58E-10	4.22E-10	1.32E-08
4996	476863.09	3863377.25	4.29E-05	4.96E-05	2.26E-05	1.49E-08	4.48E-08	2.60E-08	3.00E-08	2.72E-08	1.24E-08	5.67E-09	0.00E+00	0.00E+00	4.78E-09	1.02E-09	6.46E-09	9.96E-10	4.39E-10	1.37E-08
4997	477363.09	3863377.25	4.52E-05	5.23E-05	2.39E-05	1.57E-08	4.73E-08	2.74E-08	3.16E-08	2.87E-08	1.31E-08	5.97E-09	0.00E+00	0.00E+00	5.04E-09	1.07E-09	6.81E-09	1.05E-09	4.63E-10	1.44E-08
4998	477863.09	3863377.25	4.80E-05	5.55E-05	2.53E-05	1.66E-08	5.02E-08	2.91E-08	3.36E-08	3.05E-08	1.39E-08	6.34E-09	0.00E+00	0.00E+00	5.35E-09	1.14E-09	7.24E-09	1.12E-09	4.91E-10	1.53E-08
4999	478363.09	3863377.25	5.03E-05	5.81E-05	2.65E-05	1.74E-08	5.25E-08	3.04E-08	3.51E-08	3.19E-08	1.45E-08	6.63E-09	0.00E+00	0.00E+00	5.59E-09	1.19E-09	7.57E-09	1.17E-09	5.14E-10	1.60E-08
5000	478863.09	3863377.25	5.25E-05	6.07E-05	2.77E-05	1.82E-08	5.49E-08	3.18E-08	3.67E-08	3.33E-08	1.52E-08	6.93E-09	0.00E+00	0.00E+00	5.84E-09	1.25E-09	7.91E-09	1.22E-09	5.37E-10	1.68E-08
5001	479363.09	3863377.25	5.54E-05	6.41E-05	2.92E-05	1.92E-08	5.80E-08	3.35E-08	3.88E-08	3.52E-08	1.60E-08	7.31E-09	0.00E+00	0.00E+00	6.17E-09	1.32E-09	8.35E-09	1.29E-09	5.66E-10	1.77E-08
5002	479863.09	3863377.25	5.79E-05	6.69E-05	3.05E-05	2.00E-08	6.05E-08	3.50E-08	4.05E-08	3.67E-08	1.67E-08	7.63E-09	0.00E+00	0.00E+00	6.44E-09	1.37E-09	8.72E-09	1.34E-09	5.91E-10	1.85E-08
5003	480363.09	3863377.25	6.13E-05	7.08E-05	3.23E-05	2.12E-08	6.40E-08	3.71E-08	4.29E-08	3.89E-08	1.77E-08	8.07E-09	0.00E+00	0.00E+00	6.82E-09	1.45E-09	9.23E-09	1.42E-09	6.25E-10	1.96E-08
5004	480863.09	3863377.25	6.52E-05	7.53E-05	3.43E-05	2.26E-08	6.81E-08	3.94E-08	4.56E-08	4.13E-08	1.89E-08	8.58E-09	0.00E+00	0.00E+00	7.25E-09	1.55E-09	9.82E-09	1.51E-09	6.64E-10	2.08E-08
5005	481363.09	3863377.25	6.71E-05	7.76E-05	3.53E-05	2.32E-08	7.01E-08	4.06E-08	4.69E-08	4.25E-08	1.94E-08	8.83E-09	0.00E+00	0.00E+00	7.47E-09	1.59E-09	1.01E-08	1.56E-09	6.84E-10	2.14E-08
5006	481863.09	3863377.25	6.79E-05	7.85E-05	3.57E-05	2.35E-08	7.09E-08	4.11E-08	4.75E-08	4.30E-08	1.96E-08	8.92E-09	0.00E+00	0.00E+00	7.55E-09	1.61E-09	1.02E-08	1.58E-09	6.91E-10	2.17E-08
5007	482363.09	3863377.25	6.94E-05	8.02E-05	3.64E-05	2.40E-08	7.25E-08	4.20E-08	4.85E-08	4.40E-08	2.01E-08	9.12E-09	0.00E+00	0.00E+00	7.72E-09	1.65E-09	1.05E-08	1.61E-09	7.06E-10	2.21E-08
5008	482863.09	3863377.25	7.15E-05	8.27E-05	3.75E-05	2.48E-08	7.48E-08	4.33E-08	5.01E-08	4.54E-08	2.07E-08	9.40E-09	0.00E+00	0.00E+00	7.96E-09	1.70E-09	1.08E-08	1.66E-09	7.28E-10	2.28E-08
5009	483363.09	3863377.25	7.20E-05	8.32E-05	3.78E-05	2.49E-08	7.52E-08	4.35E-08	5.04E-08	4.57E-08	2.08E-08	9.45E-09	0.00E+00	0.00E+00	8.01E-09	1.71E-09	1.08E-08	1.67E-09	7.32E-10	2.30E-08
5010	483863.09	3863377.25	7.11E-05	8.22E-05	3.73E-05	2.46E-08	7.43E-08	4.30E-08	4.97E-08	4.51E-08	2.06E-08	9.33E-09	0.00E+00	0.00E+00	7.91E-09	1.69E-09	1.07E-08	1.65E-09	7.22E-10	2.27E-08
5011	484363.09	3863377.25	7.05E-05	8.15E-05	3.70E-05	2.44E-08	7.36E-08	4.26E-08	4.93E-08	4.47E-08	2.04E-08	9.25E-09	0.00E+00	0.00E+00	7.84E-09	1.67E-09	1.06E-08	1.64E-09	7.16E-10	2.25E-08
5012	484863.09	3863377.25	7.09E-05	8.20E-05	3.72E-05	2.45E-08	7.41E-08	4.29E-08	4.96E-08	4.50E-08	2.05E-08	9.32E-09	0.00E+00	0.00E+00	7.89E-09	1.68E-09	1.07E-08	1.65E-09	7.21E-10	2.26E-08
5013	485363.09	3863377.25	6.78E-05	7.84E-05	3.56E-05	2.35E-08	7.09E-08	4.10E-08	4.75E-08	4.30E-08	1.96E-08	8.91E-09	0.00E+00	0.00E+00	7.55E-09	1.61E-09	1.02E-08	1.58E-09	6.90E-10	2.17E-08
5014	485863.09	3863377.25	6.42E-05	7.43E-05	3.37E-05	2.22E-08	6.71E-08	3.89E-08	4.49E-08	4.07E-08	1.86E-08	8.43E-09	0.00E+00	0.00E+00	7.15E-09	1.53E-09	9.68E-09	1.49E-09	6.53E-10	2.05E-08
5015	486363.09	3863377.25	6.27E-05	7.25E-05	3.29E-05	2.17E-08	6.55E-08	3.79E-08	4.39E-08	3.98E-08	1.82E-08	8.23E-09	0.00E+00	0.00E+00	6.98E-09	1.49E-09	9.45E-09	1.46E-09	6.37E-10	2.00E-08
5016	486863.09	3863377.25	6.22E-05	7.19E-05	3.26E-05	2.15E-08	6.50E-08	3.76E-08	4.35E-08	3.95E-08	1.80E-08	8.17E-09	0.00E+00	0.00E+00	6.92E-09	1.48E-09	9.38E-09	1.45E-09	6.32E-10	1.99E-08
5017	487363.09	3863377.25	6.38E-05	7.38E-05	3.35E-05	2.21E-08	6.67E-08	3.86E-08	4.46E-08	4.05E-08	1.85E-08	8.38E-09	0.00E+00	0.00E+00	7.10E-09	1.52E-09	9.61E-09	1.48E-09	6.49E-10	2.04E-08
5018	487863.09	3863377.25	6.61E-05	7.65E-05	3.47E-05	2.29E-08	6.91E-08	4.00E-08	4.63E-08	4.19E-08	1.91E-08	8.70E-09	0.00E+00	0.00E+00	7.36E-09	1.57E-09	9.96E-09	1.54E-09	6.73E-10	2.11E-08
5019	488363.09	3863377.25	6.64E-05	7.68E-05	3.49E-05	2.30E-08	6.94E-08	4.02E-08	4.65E-08	4.21E-08	1.92E-08	8.73E-09	0.00E+00	0.00E+00	7.39E-09	1.58E-09	1.00E-08	1.54E-09	6.76E-10	2.12E-08
5020	488863.09	3863377.25	6.41E-05	7.42E-05	3.36E-05	2.22E-08	6.70E-08	3.88E-08	4.49E-08	4.07E-08	1.86E-08	8.42E-09	0.00E+00	0.00E+00	7.14E-09	1.52E-09	9.67E-09	1.49E-09	6.52E-10	2.05E-08
5021	489363.09	3863377.25	6.31E-05	7.30E-05	3.31E-05	2.19E-08	6.60E-08	3.82E-08	4.42E-08	4.01E-08	1.83E-08	8.28E-09	0.00E+00	0.00E+00	7.03E-09	1.50E-09	9.52E-09	1.47E-09	6.41E-10	2.02E-08
5022	489863.09	3863377.25	6.53E-05	7.56E-05	3.42E-05	2.26E-08	6.83E-08	3.95E-08	4.57E-08	4.15E-08	1.89E-08	8.57E-09	0.00E+00	0.00E+00	7.27E-09	1.55E-09	9.85E-09	1.52E-09	6.64E-10	2.09E-08
5023	490363.09	3863377.25	6.76E-05	7.83E-05	3.54E-05	2.34E-08	7.07E-08	4.09E-08	4.74E-08	4.29E-08	1.96E-08	8.87E-09	0.00E+00	0.00E+00	7.53E-09	1.61E-09	1.02E-08	1.57E-09	6.87E-10	2.16E-08
5024	490863.09	3863377.25	6.78E-05	7.85E-05	3.56E-05	2.35E-08	7.09E-08	4.10E-08	4.75E-08	4.30E-08	1.96E-08	8.90E-09	0.00E+00	0.00E+00	7.55E-09	1.61E-09	1.02E-08	1.58E-09	6.89E-10	2.17E-08
5025	491363.09	3863377.25	6.85E-05	7.93E-05	3.60E-05	2.37E-08	7.16E-08	4.15E-08	4.80E-08	4.35E-08	1.98E-08	9.01E-09	0.00E+00	0.00E+00	7.63E-09	1.63E-09	1.03E-08	1.59E-09	6.97E-10	2.19E-08
5026	491863.09	3863377.25	6.99E-05	8.09E-05	3.67E-05	2.42E-08	7.31E-08	4.23E-08	4.89E-08	4.44E-08	2.02E-08	9.19E-09	0.00E+00	0.00E+00	7.78E-09	1.66E-09	1.05E-08	1.63E-09	7.12E-10	2.23E-08
5027	492363.09	3863377.25	6.99E-05	8.08E-05	3.67E-05	2.42E-08	7.31E-08	4.23E-08	4.89E-08	4.43E-08	2.02E-08	9.19E-09	0.00E+00	0.00E+00	7.78E-09	1.66E-09	1.05E-08	1.62E-09	7.12E-10	2.23E-08
5028	492863.09	3863377.25	7.26E-05	8.39E-05	3.81E-05	2.51E-08	7.58E-08	4.39E-08	5.08E-08	4.60E-08	2.10E-08	9.54E-09	0.00E+00	0.00E+00	8.08E-09	1.72E-09	1.09E-08	1.69E-09	7.39E-10	2.32E-08
5029	493363.09	3863377.25	7.74E-05	8.95E-05	4.06E-05	2.68E-08	8.09E-08	4.68E-08	5.42E-08	4.91E-08	2.24E-08	1.02E-08	0.00E+00	0.00E+00	8.62E-09	1.84E-09	1.17E-08	1.80E-09	7.87E-10	2.47E-08
5030	493863.09	3863377.25	7.81E-05	9.03E-05	4.10E-05	2.70E-08	8.16E-08	4.72E-08	5.46E-08	4.95E-08	2.26E-08	1.03E-08	0.00E+00	0.00E+00	8.69E-09	1.85E-09	1.18E-08	1.81E-09	7.94E-10	2.49E-08
5031	494363.09	3863377.25	7.40E-05	8.56E-05	3.89E-05	2.56E-08	7.73E-08	4.48E-08	5.18E-08	4.69E-08	2.14E-08	9.73E-09	0.00E+00	0.00E+00	8.24E-09	1.76E-09	1.12E-08	1.72E-09	7.53E-10	2.36E-08
5032	494863.09	3863377.25	7.01E-05	8.11E-05	3.68E-05	2.43E-08	7.33E-08	4.24E-08	4.90E-08	4.45E-08	2.03E-08	9.22E-09	0.00E+00	0.00E+00	7.80E-09	1.66E-09	1.06E-08	1.63E-09	7.14E-10	2.24E-08
5033	495363.09	3863377.25	6.83E-05	7.90E-05	3.59E-05	2.36E-08	7.14E-08	4.13E-08	4.78E-08	4.33E-08	1.98E-08	8.98E-09	0.00E+00	0.00E+00	7.60E-09	1.62E-09	1.03E-08	1.59E-09	6.95E-10	2.18E-08

5034	495863.09	3863377.25	6.82E-05	7.88E-05	3.58E-05	2.36E-08	7.13E-08	4.13E-08	4.77E-08	4.32E-08	1.97E-08	8.97E-09	0.00E+00	0.00E+00	7.59E-09	1.62E-09	1.03E-08	1.58E-09	6.95E-10	2.18E-08
5035	496363.09	3863377.25	6.61E-05	7.64E-05	3.47E-05	2.29E-08	6.91E-08	4.00E-08	4.63E-08	4.19E-08	1.91E-08	8.70E-09	0.00E+00	0.00E+00	7.36E-09	1.57E-09	9.96E-09	1.54E-09	6.73E-10	2.11E-08
5036	496863.09	3863377.25	6.50E-05	7.52E-05	3.42E-05	2.25E-08	6.80E-08	3.93E-08	4.55E-08	4.12E-08	1.88E-08	8.56E-09	0.00E+00	0.00E+00	7.24E-09	1.54E-09	9.80E-09	1.51E-09	6.63E-10	2.08E-08
5037	497363.09	3863377.25	6.56E-05	7.59E-05	3.45E-05	2.27E-08	6.86E-08	3.97E-08	4.59E-08	4.16E-08	1.90E-08	8.64E-09	0.00E+00	0.00E+00	7.31E-09	1.56E-09	9.89E-09	1.53E-09	6.69E-10	2.10E-08
5038	497863.09	3863377.25	6.75E-05	7.80E-05	3.55E-05	2.34E-08	7.05E-08	4.08E-08	4.72E-08	4.28E-08	1.95E-08	8.87E-09	0.00E+00	0.00E+00	7.51E-09	1.60E-09	1.02E-08	1.57E-09	6.87E-10	2.15E-08
5039	498363.09	3863377.25	6.97E-05	8.06E-05	3.66E-05	2.41E-08	7.29E-08	4.22E-08	4.88E-08	4.42E-08	2.02E-08	9.16E-09	0.00E+00	0.00E+00	7.76E-09	1.66E-09	1.05E-08	1.62E-09	7.10E-10	2.23E-08
5040	471363.09	3863877.25	3.22E-05	3.72E-05	1.70E-05	1.12E-08	3.37E-08	1.95E-08	2.25E-08	2.04E-08	9.32E-09	4.26E-09	0.00E+00	0.00E+00	3.59E-09	7.65E-10	4.85E-09	7.48E-10	3.30E-10	1.03E-08
5041	471863.09	3863877.25	3.29E-05	3.80E-05	1.74E-05	1.14E-08	3.44E-08	1.99E-08	2.30E-08	2.09E-08	9.52E-09	4.35E-09	0.00E+00	0.00E+00	3.66E-09	7.81E-10	4.95E-09	7.64E-10	3.37E-10	1.05E-08
5042	472363.09	3863877.25	3.35E-05	3.88E-05	1.77E-05	1.16E-08	3.51E-08	2.03E-08	2.34E-08	2.13E-08	9.70E-09	4.44E-09	0.00E+00	0.00E+00	3.73E-09	7.96E-10	5.05E-09	7.79E-10	3.44E-10	1.07E-08
5043	472863.09	3863877.25	3.41E-05	3.94E-05	1.80E-05	1.18E-08	3.56E-08	2.06E-08	2.38E-08	2.16E-08	9.85E-09	4.51E-09	0.00E+00	0.00E+00	3.79E-09	8.08E-10	5.13E-09	7.91E-10	3.49E-10	1.09E-08
5044	473363.09	3863877.25	3.44E-05	3.97E-05	1.82E-05	1.19E-08	3.59E-08	2.08E-08	2.40E-08	2.18E-08	9.95E-09	4.55E-09	0.00E+00	0.00E+00	3.83E-09	8.16E-10	5.18E-09	7.99E-10	3.52E-10	1.10E-08
5045	473863.09	3863877.25	3.47E-05	4.01E-05	1.83E-05	1.20E-08	3.63E-08	2.10E-08	2.43E-08	2.20E-08	1.00E-08	4.59E-09	0.00E+00	0.00E+00	3.87E-09	8.24E-10	5.23E-09	8.06E-10	3.56E-10	1.11E-08
5046	474363.09	3863877.25	3.50E-05	4.05E-05	1.85E-05	1.21E-08	3.66E-08	2.12E-08	2.45E-08	2.22E-08	1.01E-08	4.63E-09	0.00E+00	0.00E+00	3.90E-09	8.31E-10	5.27E-09	8.13E-10	3.59E-10	1.12E-08
5047	474863.09	3863877.25	3.54E-05	4.09E-05	1.87E-05	1.23E-08	3.70E-08	2.14E-08	2.48E-08	2.25E-08	1.02E-08	4.69E-09	0.00E+00	0.00E+00	3.94E-09	8.41E-10	5.34E-09	8.23E-10	3.63E-10	1.13E-08
5048	475363.09	3863877.25	3.63E-05	4.19E-05	1.92E-05	1.26E-08	3.79E-08	2.20E-08	2.54E-08	2.30E-08	1.05E-08	4.80E-09	0.00E+00	0.00E+00	4.04E-09	8.61E-10	5.46E-09	8.43E-10	3.72E-10	1.16E-08
5049	475863.09	3863877.25	3.73E-05	4.31E-05	1.97E-05	1.29E-08	3.90E-08	2.26E-08	2.61E-08	2.37E-08	1.08E-08	4.94E-09	0.00E+00	0.00E+00	4.16E-09	8.86E-10	5.62E-09	8.67E-10	3.82E-10	1.19E-08
5050	476363.09	3863877.25	3.88E-05	4.49E-05	2.05E-05	1.34E-08	4.06E-08	2.35E-08	2.72E-08	2.46E-08	1.12E-08	5.14E-09	0.00E+00	0.00E+00	4.32E-09	9.22E-10	5.85E-09	9.02E-10	3.98E-10	1.24E-08
5051	476863.09	3863877.25	4.07E-05	4.70E-05	2.15E-05	1.41E-08	4.25E-08	2.46E-08	2.84E-08	2.58E-08	1.18E-08	5.38E-09	0.00E+00	0.00E+00	4.53E-09	9.65E-10	6.12E-09	9.44E-10	4.16E-10	1.30E-08
5052	477363.09	3863877.25	4.29E-05	4.96E-05	2.27E-05	1.49E-08	4.49E-08	2.60E-08	3.00E-08	2.72E-08	1.24E-08	5.67E-09	0.00E+00	0.00E+00	4.78E-09	1.02E-09	6.46E-09	9.97E-10	4.39E-10	1.37E-08
5053	477863.09	3863877.25	4.53E-05	5.24E-05	2.39E-05	1.57E-08	4.74E-08	2.74E-08	3.17E-08	2.87E-08	1.31E-08	5.98E-09	0.00E+00	0.00E+00	5.04E-09	1.08E-09	6.83E-09	1.05E-09	4.63E-10	1.45E-08
5054	478363.09	3863877.25	4.73E-05	5.47E-05	2.49E-05	1.64E-08	4.94E-08	2.86E-08	3.31E-08	3.00E-08	1.37E-08	6.24E-09	0.00E+00	0.00E+00	5.26E-09	1.12E-09	7.12E-09	1.10E-09	4.83E-10	1.51E-08
5055	478863.09	3863877.25	4.93E-05	5.70E-05	2.60E-05	1.71E-08	5.15E-08	2.98E-08	3.45E-08	3.12E-08	1.43E-08	6.50E-09	0.00E+00	0.00E+00	5.49E-09	1.17E-09	7.42E-09	1.14E-09	5.03E-10	1.57E-08
5056	479363.09	3863877.25	5.15E-05	5.95E-05	2.71E-05	1.78E-08	5.38E-08	3.11E-08	3.60E-08	3.26E-08	1.49E-08	6.79E-09	0.00E+00	0.00E+00	5.73E-09	1.22E-09	7.75E-09	1.20E-09	5.26E-10	1.64E-08
5057	479863.09	3863877.25	5.43E-05	6.27E-05	2.86E-05	1.88E-08	5.67E-08	3.28E-08	3.80E-08	3.44E-08	1.57E-08	7.16E-09	0.00E+00	0.00E+00	6.04E-09	1.29E-09	8.18E-09	1.26E-09	5.54E-10	1.73E-08
5058	480363.09	3863877.25	5.73E-05	6.63E-05	3.02E-05	1.98E-08	5.99E-08	3.47E-08	4.01E-08	3.64E-08	1.66E-08	7.55E-09	0.00E+00	0.00E+00	6.38E-09	1.36E-09	8.64E-09	1.33E-09	5.85E-10	1.83E-08
5059	480863.09	3863877.25	5.99E-05	6.93E-05	3.15E-05	2.07E-08	6.26E-08	3.63E-08	4.19E-08	3.80E-08	1.73E-08	7.89E-09	0.00E+00	0.00E+00	6.67E-09	1.42E-09	9.03E-09	1.39E-09	6.11E-10	1.91E-08
5060	481363.09	3863877.25	6.07E-05	7.02E-05	3.19E-05	2.10E-08	6.34E-08	3.67E-08	4.25E-08	3.85E-08	1.76E-08	7.98E-09	0.00E+00	0.00E+00	6.76E-09	1.44E-09	9.15E-09	1.41E-09	6.18E-10	1.94E-08
5061	481863.09	3863877.25	6.10E-05	7.06E-05	3.21E-05	2.11E-08	6.38E-08	3.69E-08	4.27E-08	3.87E-08	1.77E-08	8.02E-09	0.00E+00	0.00E+00	6.79E-09	1.45E-09	9.20E-09	1.42E-09	6.21E-10	1.95E-08
5062	482363.09	3863877.25	6.29E-05	7.27E-05	3.30E-05	2.18E-08	6.57E-08	3.81E-08	4.40E-08	3.99E-08	1.82E-08	8.26E-09	0.00E+00	0.00E+00	7.00E-09	1.49E-09	9.48E-09	1.46E-09	6.40E-10	2.01E-08
5063	482863.09	3863877.25	6.42E-05	7.42E-05	3.37E-05	2.22E-08	6.71E-08	3.88E-08	4.49E-08	4.07E-08	1.86E-08	8.43E-09	0.00E+00	0.00E+00	7.14E-09	1.52E-09	9.67E-09	1.49E-09	6.53E-10	2.05E-08
5064	483363.09	3863877.25	6.37E-05	7.37E-05	3.34E-05	2.21E-08	6.66E-08	3.85E-08	4.46E-08	4.04E-08	1.84E-08	8.37E-09	0.00E+00	0.00E+00	7.09E-09	1.51E-09	9.60E-09	1.48E-09	6.48E-10	2.03E-08
5065	483863.09	3863877.25	6.30E-05	7.29E-05	3.31E-05	2.18E-08	6.59E-08	3.81E-08	4.41E-08	4.00E-08	1.82E-08	8.28E-09	0.00E+00	0.00E+00	7.02E-09	1.50E-09	9.50E-09	1.47E-09	6.41E-10	2.01E-08
5066	484363.09	3863877.25	6.32E-05	7.31E-05	3.32E-05	2.19E-08	6.60E-08	3.82E-08	4.42E-08	4.01E-08	1.83E-08	8.30E-09	0.00E+00	0.00E+00	7.03E-09	1.50E-09	9.52E-09	1.47E-09	6.43E-10	2.02E-08
5067	484863.09	3863877.25	6.35E-05	7.34E-05	3.34E-05	2.20E-08	6.64E-08	3.84E-08	4.44E-08	4.03E-08	1.84E-08	8.35E-09	0.00E+00	0.00E+00	7.07E-09	1.51E-09	9.57E-09	1.48E-09	6.46E-10	2.03E-08
5068	485363.09	3863877.25	6.05E-05	7.00E-05	3.17E-05	2.09E-08	6.32E-08	3.66E-08	4.23E-08	3.84E-08	1.75E-08	7.95E-09	0.00E+00	0.00E+00	6.74E-09	1.44E-09	9.12E-09	1.41E-09	6.15E-10	1.93E-08
5069	485863.09	3863877.25	5.77E-05	6.68E-05	3.03E-05	2.00E-08	6.03E-08	3.49E-08	4.04E-08	3.66E-08	1.67E-08	7.58E-09	0.00E+00	0.00E+00	6.43E-09	1.37E-09	8.70E-09	1.34E-09	5.87E-10	1.84E-08
5070	486363.09	3863877.25	5.60E-05	6.47E-05	2.94E-05	1.94E-08	5.85E-08	3.39E-08	3.92E-08	3.55E-08	1.62E-08	7.35E-09	0.00E+00	0.00E+00	6.23E-09	1.33E-09	8.44E-09	1.30E-09	5.69E-10	1.79E-08
5071	486863.09	3863877.25	5.52E-05	6.38E-05	2.90E-05	1.91E-08	5.77E-08	3.34E-08	3.86E-08	3.50E-08	1.60E-08	7.25E-09	0.00E+00	0.00E+00	6.14E-09	1.31E-09	8.32E-09	1.28E-09	5.61E-10	1.76E-08
5072	487363.09	3863877.25	5.66E-05	6.55E-05	2.98E-05	1.96E-08	5.92E-08	3.43E-08	3.96E-08	3.59E-08	1.64E-08	7.45E-09	0.00E+00	0.00E+00	6.31E-09	1.35E-09	8.54E-09	1.32E-09	5.77E-10	1.81E-08
5073	487863.09	3863877.25	5.91E-05	6.83E-05	3.11E-05	2.04E-08	6.17E-08	3.57E-08	4.13E-08	3.75E-08	1.71E-08	7.77E-09	0.00E+00	0.00E+00	6.58E-09	1.40E-09	8.90E-09	1.37E-09	6.02E-10	1.89E-08
5074	488363.09	3863877.25	6.00E-05	6.94E-05	3.15E-05	2.08E-08	6.27E-08	3.63E-08	4.20E-08	3.81E-08	1.74E-08	7.89E-09	0.00E+00	0.00E+00	6.68E-09	1.43E-09	9.04E-09	1.39E-09	6.11E-10	1.92E-08
5075	488863.09	3863877.25	5.84E-05	6.75E-05	3.06E-05	2.02E-08	6.10E-08	3.53E-08	4.08E-08	3.70E-08	1.69E-08	7.66E-09	0.00E+00	0.00E+00	6.50E-09	1.39E-09	8.80E-09	1.36E-09	5.93E-10	1.86E-08
5076	489363.09	3863877.25	5.64E-05	6.52E-05	2.96E-05	1.95E-08	5.89E-08	3.41E-08	3.95E-08	3.58E-08	1.63E-08	7.40E-09	0.00E+00	0.00E+00	6.28E-09	1.34E-09	8.50E-09	1.31E-09	5.73E-10	1.80E-08
5077	489863.09	3863877.25	5.72E-05	6.62E-05	3.00E-05	1.98E-08	5.98E-08	3.46E-08	4.00E-08	3.63E-08	1.66E-08	7.51E-09	0.00E+00	0.00E+00	6.37E-09	1.36E-09	8.63E-09	1.33E-09	5.81E-10	1.83E-08
5078	490363.09	3863877.25	5.99E-05	6.92E-05	3.14E-05	2.07E-08	6.26E-08	3.62E-08	4.19E-08	3.80E-08	1.73E-08	7.85E-09	0.00E+00	0.00E+00	6.66E-09	1.42E-09	9.02E-09	1.39E-09	6.08E-10	1.91E-08
5079	490863.09	3863877.25	6.10E-05	7.05E-05	3.20E-05	2.11E-08	6.37E-08	3.69E-08	4.27E-08	3.87E-08	1.77E-08	8.00E-09	0.00E+00	0.00E+00	6.79E-09	1.45E-09	9.19E-09	1.42E-09	6.19E-10	1.95E-08
5080	491363.09	3863877.25	6.06E-05	7.00E-05	3.18E-05	2.10E-08	6.33E-08	3.66E-08	4.24E-08	3.84E-08	1.75E-08	7.95E-09	0.00E+00	0.00E+00	6.74E-09	1.44E-09	9.13E-09	1.41E-09	6.16E-10	1.93E-08
5081	491863.09	3863877.25	6.37E-05	7.36E-05	3.34E-05	2.20E-08	6.66E-08	3.85E-08	4.46E-08	4.04E-08	1.84E-08	8.37E-09	0.00E+00	0.00E+00	7.09E-09	1.51E-09	9.60E-09	1.48E-09	6.48E-10	2.03E-08
5082	492363.09	3863877.25	6.62E-05	7.66E-05	3.48E-05	2.29E-08	6.92E-08	4.01E-08	4.63E-08	4.20E-08	1.92E-08	8.71E-09	0.00E+00	0.00E+00	7.37E-09	1.57E-09	9.98E-09	1.54E-09	6.75E-10	2.11E-08
5083	492863.09	3863877.25	6.56E-05	7.58E-05	3.45E-05	2.27E-08	6.85E-08	3.97E-08	4.59E-08	4.16E-08	1.90E-08	8.63E-09	0.00E+00	0.00E+00	7.30E-09	1.56E-09	9.88E-09	1.52E-09	6.68E-10	2.09E-08
5084	493363.09	3863877.25	6.68E-05	7.72E-05	3.51E-05	2.31E-08	6.98E-08	4.04E-08	4.67E-08	4.23E-08	1.93E-08	8.78E-09	0.00E+00	0.00E+00	7.43E-09	1.59E-09	1.01E-08	1.55E-09	6.80E-10	2.13E-08
5085	493863.09	3863877.25	7.01E-05	8.10E-05	3.68E-05	2.42E-08	7.32E-08	4.24E-08	4.90E-08	4.44E-08	2.03E-08	9.20E-09	0.00E+00	0.00E+00	7.80E-09	1.66E-09	1.06E-08	1.63E-09	7.13E-10	2.24E-08
5086	494363.09	3863877.25	7.07E-05	8.18E-05	3.71E-05	2.45E-08	7.39E-08	4.28E-08	4.95E-08	4.48E-08	2.05E-08	9.29E-09	0.00E+00	0.00E+00	7.87E-09	1.68E-09	1.07E-08	1.64E-09	7.19E-10	2.26E-08
5087	494863.09	3863877.25	6.80E-05	7.87E-05	3.58E-05	2.35E-08	7.11E-08	4.12E-08	4.76E-08	4.31E-08	1.97E-08	8.95E-09	0.00E+00	0.00E+00	7.57E-09	1.62E-09	1.03E-08	1.58E-09	6.93E-10	2.17E-08
5088	495363.09	3863877.25	6.42E-05	7.43E-05	3.38E-05	2.22E-08	6.71E-08	3.89E-08	4.49E-08	4.07E-08	1.86E-08	8.45E-09	0.00E+00	0.00E+00	7.15E-09	1.53E-09	9.68E-09	1.49E-09	6.54E-10	2.05E-08
5089	495863.09	3863877.25	6.18E-05	7.14E-05	3.25E-05	2.14E-08	6.46E-08	3.74E-08	4.32E-08	3.92E-08	1.79E-08	8.13E-09	0.00E+00	0.00E+00	6.88E-09	1.47E-09	9.31E-09	1.44E-09	6.29E-10	1.97E-08
5090	496363.09	3863877.25	6.04E-05	6.98E-05	3.17E-05	2.09E-08	6.31E-08	3.65E-08	4.22E-08	3.83E-08	1.75E-08	7.94E-09	0.00E+00	0.00E+00	6.72E-09	1.43E-09	9.10E-09	1.40E-09	6.15E-10	1.93E-08
5091	496863.09	3863877.25	5.97E-05	6.91E-05	3.14E-05	2.07E-08	6.24E-08	3.61E-08	4.18E-08	3.79E-08	1.73E-08	7.86E-09	0.00E+00	0.00E+00	6.65E-09	1.42E-09	9.00E-09	1.39E-09	6.08E-10	1.91E-08
5092	497363.09	3863877.25	5.92E-05	6.85E-05	3.11E-05	2.05E-08	6.19E-08	3.58E-08	4.14E-08	3.76E-08	1.71E-08	7.80E-09	0.00E+00	0.00E+00	6.59E-09	1.41E-09	8.93E-09	1.38E-09	6.04E-10	1.89E-08
5093	497863.09	3863877.25	5.91E-05	6.84E-05	3.11E-05	2.05E-08	6.18E-08	3.58E-08	4.14E-08	3.75E-08	1.71E-08	7.79E-09	0.00E+00	0.00E+00	6.58E-09	1.40E-09	8.91E-09	1.37E-09	6.03E-10	1.89E-08
5094	498363.09	3863877.25	5.96E-05	6.89E-05	3.13E-05	2.06E-08	6.23E-08	3.61E-08	4.17E-08	3.78E-08	1.73E-08	7.85E-09	0.00E+00	0.00E+00	6.64E-09	1.42E-09	8.98E-09	1.39E-09	6.07E-10	1.90E-08
5095	471363.09	3864377.25	3.03E-05	3.50E-05	1.60E-05	1.05E-08	3.16E-08	1.83E-08	2.12E-08	1.92E-08	8.75E-09	4.01E-09	0.00E+00	0.00E+00	3.37E-09	7.18E-10	4.56E-09	7.03E-10	3.10E-10	9.66E-09
5096	471863.09	3864377.25	3.06E-05	3.54E-05	1.62E-05	1.06E-08	3.20E-08	1.85E-08	2.14E-08	1.94E-08	8.86E-09	4.06E-09	0.00E+00	0.00E+00	3.41E-09	7.27E-10	4.61E-09	7.11E-10	3.14E-10	9.78E-09
5097	472363.09	3864377.25	3.09E-05	3.57E-05	1.64E-05	1.07E-08	3.23E-08	1.87E-08	2.16E-08	1.96E-08	8.94E-09	4.09E-09	0.00E+00	0.00E+00	3.44E-09	7.34E-10	4.66E-09	7.18E-10	3.17E-10	9.87E-09
5098	472863.09	3864377.25	3.11E-05	3.59E-05	1.65E-05	1.08E-08	3.25E-08	1.88E-08	2.17E-08	1.97E-08	9.00E-09	4.12E-09	0.00E+00	0.00E+00	3.46E-09	7.38E-10	4.68E-09	7.22E-10	3.19E-10	9.93E-09
5099	473363.09	3864377.25	3.12E-05	3.61E-05	1.65E-05	1.08E-08	3.26E-08	1.89E-08	2.18E-08	1.98E-08	9.03E-09	4.13E-09	0.00E+00	0.00E+00	3.48E-09	7.41E-10	4.70E-09	7.25E-10	3.20E-10	9.96E-09
5100	473863.09	3864377.25	3.16E-05	3.65E-05	1.67E-05	1.09E-08	3.30E-08	1.91E-08	2.21E-08	2.00E-08	9.14E-09	4.18E-09	0.00E+00	0.00E+00	3.52E-09	7.50E-10	4.76E-09	7.34E-10	3.24E-10	1.01E-08
5101	474363.09	3864377.25	3.23E-05	3.73E-05	1.71E-05	1.12E-08	3.37E-08	1.95E-08	2.26E-08	2.05E-08	9.33E-09	4.27E-09	0.00E+00	0.00E+00	3.59E-09	7.66E-10	4.86E-09	7.49E-10	3.31E-10	1.03E-08
5102	474863.09	3864377.25	3.30E-05	3.82E-05	1.75E-05	1.14E-08	3.45E-08	2.00E-08	2.31E-08	2.09E-08	9.55E-09	4.37E-09	0.00E+00	0.00E+00	3.68E-09	7.84E-10	4.97E-09	7.67E-10	3.39E-10	1.05E-08
5103	475363.09	3864377.25	3.41E-05	3.94E-05	1.81E-05	1.18E-08	3.57E-08	2.06E-08	2.39E-08	2.16E-08	9.87E-09	4.52E-09	0.00E+00	0.00E+00	3.80E-09	8.10E-10	5.14E-09	7.92E-10	3.50E-10	1.09E-08
5104	475863.09	3864377.25	3.54E-05	4.09E-05	1.87E-05	1.23E-08	3.70E-08	2.14E-08	2.47E-08	2.24E-08	1.02E-08	4.68E-09	0.00E+00	0.00E+00	3.94E-09	8.40E-10	5.33E-09	8.22E-10	3.63E-10	1.13E-08
5105	476363.09	3864377.25	3.69E-05	4.26E-05	1.95E-05	1.28E-08	3.86E-08	2.23E-08	2.58E-08	2.34E-08	1.07E-08	4.88E-09	0.00E+00	0.00E+00	4.11E-09	8.76E-10	5.56E-09	8.57E-10	3.78E-10	1.18E-08
5106	476863.09	3864377.25	3.87E-05	4.47E-05	2.05E-05	1.34E-08	4.05E-08	2.34E-08	2.71E-08	2.45E-08	1.12E-08	5.12E-09	0.00E+00	0.00E+00	4.31E-09	9.19E-10	5.83E-09	8.99E-10	3.96E-10	1.24E-08
5107	477363.09	3864377.25	4.05E-05	4.68E-05	2.14E-05	1.40E-08	4.23E-08	2.45E-08	2.83E-08	2.57E-08	1.17E-08	5.35E-09	0.00E+00	0.00E+00	4.51E-09	9.61E-10	6.10E-09	9.40E-10	4.14E-10	1.29E-08
5108	477863.09	3864377.25	4.21E-05	4.87E-05	2.22E-05	1.46E-08	4.40E-08	2.55E-08	2.95E-08	2.67E-08	1.22E-08	5.56E-09	0.00E+00	0.00E+00	4.69E-09	1.00E-09	6.34E-09	9.78E-10	4.31E-10	1.34E-08
5109	478363.09	3864377.25	4.37E-05	5.05E-05	2.30E-05	1.51E-08	4.56E-08	2.64E-08	3.05E-08	2.77E-08	1.26E-08	5.77E-09	0.00E+00	0.00E+00	4.86E-09	1.04E-09	6.58E-09	1.01E-09	4.47E-10	1.39E-08
5110	478863.09	3864377.25	4.57E-05	5.28E-05	2.41E-05	1.58E-08	4.78E-08	2.77E-08	3.20E-08	2.90E-08	1.32E-08	6.03E-09	0.00E+00	0.00E+00	5.09E-09	1.09E-09	6.89E-09	1.06E-09	4.67E-10	1.46E-08
5111	479363.09	3864377.25	4.81E-05	5.56E-05	2.54E-05	1.67E-08	5.03E-08	2.91E-08	3.37E-08	3.05E-08	1.39E-08	6.35E-09	0.00E+00	0.00E+00	5.36E-09	1.14E-09	7.25E-09	1.12E-09	4.92E-10	1.54E-08
5112	479863.09	3864377.25	5.10E-05	5.89E-05	2.69E-05	1.77E-08	5.33E-08	3.09E-08	3.57E-08	3.23E-08	1.48E-08	6.72E-09	0.00E+00	0.00E+00	5.68E-09	1.21E-09	7.68E-09	1.18E-09	5.21E-10	1.63E-08
5113	480363.09	3864377.25	5.36E-05	6.20E-05	2.82E-05	1.85E-08	5.60E-08	3.24E-08	3.75E-08	3.40E-08	1.55E-08	7.06E-09	0.00E+00	0.00E+00	5.96E-09	1.27E-09	8.07E-09	1.25E-09	5.47E-10	1.71E-08
5114	480863.09	3864377.25	5.46E-05	6.31E-05	2.87E-05	1.89E-08	5.70E-08	3.30E-08	3.82E-08	3.46E-08	1.58E-08	7.18E-09	0.00E+00	0.00E+00	6.07E-09	1.30E-09	8.22E-09	1.27E-09	5.56E-10	1.74E-08
5115	481363.09	3864377.25	5.47E-05	6.32E-05	2.87E-05	1.89E-08	5.72E-08	3.31E-08	3.83E-08	3.47E-08	1.58E-08	7.19E-09	0.00E+00	0.00E+00	6.09E-09	1.30E-09	8.24E-09	1.27E-09	5.57E-10	1.75E-08
5116	481863.09	3864377.25	5.55E-05	6.42E-05	2.91E-05	1.92E-08	5.80E-08	3.36E-08	3.88E-08	3.52E-08	1.61E-08	7.29E-09	0.00E+00	0.00E+00	6.17E-09	1.32E-09	8.36E-09	1.29E-09	5.65E-10	1.77E-08
5117	482363.09	3864377.25	5.69E-05	6.58E-05	2.99E-05	1.97E-08	5.95E-08	3.44E-08	3.98E-08	3.61E-08	1.65E-08	7.48E-09	0.00E+00	0.00E+00	6.34E-09	1.35E-09	8.58E-09	1.32E-09	5.79E-10	1.82E-08
5118	482863.09	3864377.25	5.75E-05	6.65E-05	3.02E-05	1.99E-08	6.01E-08	3.48E-08	4.02E-08	3.65E-08	1.66E-08	7.55E-09	0.00E+00	0.00E+00	6.40E-09	1.37E-09	8.67E-09	1.34E-09	5.85E-10	1.84E-08
5119	483363.09	3864377.25	5.67E-05	6.56E-05	2.97E-05	1.96E-08	5.92E-08	3.43E-08	3.97E-08	3.60E-08	1.64E-08	7.44E-09	0.00E+00	0.00E+00	6.31E-09	1.35E-09	8.54E-09	1.32E-09	5.76E-10	1.81E-08
5120	483863.09	3864377.25	5.63E-05	6.51E-05	2.96E-05	1.95E-08	5.89E-08	3.41E-08	3.94E-08	3.57E-08	1.63E-08	7.40E-09	0.00E+00	0.00E+00	6.27E-09	1.34E-09	8.49E-09	1.31E-09	5.73E-10	1.80E-08
5121	484363.09	3864377.25	5.72E-05	6.62E-05	3.01E-05	1.98E-08	5.98E-08	3.46E-08	4.00E-08	3.63E-08	1.66E-08	7.53E-09	0.00E+00	0.00E+00	6.37E-09	1.36E-09	8.62E-09	1.33E-09	5.83E-10	1.83E-08
5122	484863.09	3864377.25	5.69E-05	6.58E-05	2.99E-05	1.97E-08	5.95E-08	3.44E-08	3.98E-08	3.61E-08	1.65E-08	7.48E-09	0.00E+00	0.00E+00	6.34E-09	1.35E-09	8.58E-09	1.32E-09	5.80E-10	1.82E-08
5123	485363.09	3864377.25	5.41E-05	6.26E-05	2.84E-05	1.87E-08	5.66E-08	3.28E-08	3.79E-08	3.43E-08	1.57E-08	7.11E-09	0.00E+00	0.00E+00	6.03E-09	1.29E-09	8.16E-09	1.26E-09	5.50E-10	1.73E-08
5124	485863.09	3864377.25	5.19E-05	6.00E-05	2.72E-05	1.79E-08	5.42E-08	3.14E-08	3.63E-08	3.29E-08	1.50E-08	6.81E-09	0.00E+00	0.00E+00	5.77E-09	1.23E-09	7.82E-09	1.21E-09	5.27E-10	1.66E-08
5125	486363.09	3864377.25	5.03E-05	5.82E-05	2.64E-05	1.74E-08	5.26E-08	3.05E-08	3.52E-08	3.19E-08	1.46E-08	6.61E-09	0.00E+00	0.00E+00	5.60E-09	1.20E-09	7.59E-09	1.17E-09	5.12E-10	1.61E-08
5126	486863.09	3864377.25	4.94E-05	5.72E-05	2.60E-05	1.71E-08	5.17E-08	2.99E-08	3.46E-08	3.14E-08	1.43E-08	6.50E-09	0.00E+00	0.00E+00	5.50E-09	1.17E-09	7.45E-09	1.15E-09	5.03E-10	1.58E-08
5127	487363.09	3864377.25	5.07E-05	5.86E-05	2.67E-05	1.75E-08	5.30E-08	3.07E-08	3.55E-08	3.22E-08	1.47E-08	6.67E-09	0.00E+00	0.00E+00	5.64E-09	1.20E-09	7.64E-09	1.18E-09	5.17E-10	1.62E-08
5128	487863.09	3864377.25	5.31E-05	6.14E-05	2.79E-05	1.84E-08	5.55E-08	3.22E-08	3.72E-08	3.37E-08	1.54E-08	6.99E-09	0.00E+00	0.00E+00	5.91E-09	1.26E-09	8.01E-09	1.23E-09	5.42E-10	1.70E-08
5129	488363.09	3864377.25	5.43E-05	6.28E-05	2.85E-05	1.88E-08	5.67E-08	3.28E-08	3.80E-08	3.44E-08	1.57E-08	7.14E-09	0.00E+00	0.00E+00	6.04E-09	1.29E-09	8.18E-09	1.26E-09	5.53E-10	1.73E-08
5130	488863.09	3864377.25	5.35E-05	6.19E-05	2.81E-05	1.85E-08	5.59E-08	3.24E-08	3.74E-08	3.39E-08	1.55E-08	7.03E-09	0.00E+00	0.00E+00	5.96E-09	1.27E-09	8.07E-09	1.24E-09	5.44E-10	1.71E-08
5131	489363.09	3864377.25	5.14E-05	5.94E-05	2.69E-05	1.78E-08	5.37E-08	3.11E-08	3.60E-08	3.26E-08	1.49E-08	6.74E-09	0.00E+00	0.00E+00	5.72E-09	1.22E-09	7.74E-09	1.19E-09	5.22E-10	1.64E-08
5132	489863.09	3864377.25	5.09E-05	5.89E-05	2.67E-05	1.76E-08	5.32E-08	3.08E-08	3.56E-08	3.23E-08	1.47E-08	6.68E-09	0.00E+00	0.00E+00	5.66E-09	1.21E-09	7.67E-09	1.18E-09	5.17E-10	1.62E-08
5133	490363.09	3864377.25	5.29E-05	6.11E-05	2.77E-05	1.83E-08	5.52E-08	3.20E-08	3.70E-08	3.35E-08	1.53E-08	6.93E-09	0.00E+00	0.00E+00	5.88E-09	1.26E-09	7.97E-09	1.23E-09	5.37E-10	1.69E-08
5134	490863.09	3864377.25	5.54E-05	6.41E-05	2.90E-05	1.92E-08	5.79E-08	3.35E-08	3.88E-08	3.52E-08	1.60E-08	7.27E-09	0.00E+00	0.00E+00	6.17E-09	1.32E-09	8.35E-09	1.29E-09	5.63E-10	1.77E-08
5135	491363.09	3864377.25	5.74E-05	6.64E-05	3.01E-05	1.99E-08	6.00E-08	3.48E-08	4.02E-08	3.64E-08	1.66E-08	7.54E-09	0.00E+00	0.00E+00	6.39E-09	1.36E-09	8.66E-09	1.34E-09	5.84E-10	1.83E-08
5136	491863.09	3864377.25	4.27E-05	4.94E-05	2.25E-05	1.48E-08	4.46E-08	2.58E-08	2.99E-08	2.71E-08	1.24E-08	5.63E-09	0.00E+00	0.00E+00	4.75E-09	1.01E-09	6.43E-09	9.92E-10	4.36E-10	1.36E-08
5137	492363.09	3864377.25	5.96E-05	6.89E-05	3.13E-05	2.06E-08	6.23E-08	3.61E-08	4.17E-08	3.78E-08	1.73E-08	7.85E-09	0.00E+00	0.00E+00	6.64E-09	1.42E-09	8.98E-09	1.39E-09	6.08E-10	1.90E-08
5138	492863.09	3864377.25	5.31E-05	6.14E-05	2.80E-05	1.84E-08	5.55E-08	3.21E-08	3.71E-08	3.37E-08	1.54E-08	7.01E-09	0.00E+00	0.00E+00	5.91E-09	1.26E-09	8.00E-09	1.23E-09	5.43E-10	1.69E-08

5139	493363.09	3864377.25	5.53E-05	6.39E-05	2.92E-05	1.91E-08	5.78E-08	3.35E-08	3.87E-08	3.51E-08	1.60E-08	7.31E-09	0.00E+00	0.00E+00	6.16E-09	1.31E-09	8.33E-09	1.28E-09	5.66E-10	1.76E-08
5140	493863.09	3864377.25	5.91E-05	6.83E-05	3.10E-05	2.04E-08	6.17E-08	3.57E-08	4.13E-08	3.75E-08	1.71E-08	7.77E-09	0.00E+00	0.00E+00	6.57E-09	1.40E-09	8.90E-09	1.37E-09	6.02E-10	1.89E-08
5141	494363.09	3864377.25	6.31E-05	7.30E-05	3.31E-05	2.19E-08	6.60E-08	3.82E-08	4.42E-08	4.01E-08	1.83E-08	8.30E-09	0.00E+00	0.00E+00	7.03E-09	1.50E-09	9.52E-09	1.47E-09	6.42E-10	2.02E-08
5142	494863.09	3864377.25	6.40E-05	7.41E-05	3.36E-05	2.22E-08	6.69E-08	3.87E-08	4.48E-08	4.06E-08	1.85E-08	8.42E-09	0.00E+00	0.00E+00	7.13E-09	1.52E-09	9.65E-09	1.49E-09	6.52E-10	2.04E-08
5143	495363.09	3864377.25	6.20E-05	7.17E-05	3.26E-05	2.15E-08	6.48E-08	3.75E-08	4.34E-08	3.93E-08	1.79E-08	8.16E-09	0.00E+00	0.00E+00	6.90E-09	1.47E-09	9.34E-09	1.44E-09	6.31E-10	1.98E-08
5144	495863.09	3864377.25	5.87E-05	6.79E-05	3.09E-05	2.03E-08	6.14E-08	3.55E-08	4.11E-08	3.72E-08	1.70E-08	7.72E-09	0.00E+00	0.00E+00	6.53E-09	1.39E-09	8.85E-09	1.36E-09	5.98E-10	1.87E-08
5145	496363.09	3864377.25	5.59E-05	6.47E-05	2.94E-05	1.94E-08	5.85E-08	3.39E-08	3.91E-08	3.55E-08	1.62E-08	7.36E-09	0.00E+00	0.00E+00	6.23E-09	1.33E-09	8.43E-09	1.30E-09	5.70E-10	1.79E-08
5146	496863.09	3864377.25	5.48E-05	6.34E-05	2.88E-05	1.90E-08	5.73E-08	3.32E-08	3.83E-08	3.47E-08	1.59E-08	7.21E-09	0.00E+00	0.00E+00	6.10E-09	1.30E-09	8.26E-09	1.27E-09	5.58E-10	1.75E-08
5147	497363.09	3864377.25	5.43E-05	6.28E-05	2.85E-05	1.88E-08	5.67E-08	3.28E-08	3.80E-08	3.44E-08	1.57E-08	7.14E-09	0.00E+00	0.00E+00	6.04E-09	1.29E-09	8.18E-09	1.26E-09	5.53E-10	1.73E-08
5148	497863.09	3864377.25	5.47E-05	6.33E-05	2.88E-05	1.89E-08	5.72E-08	3.31E-08	3.83E-08	3.47E-08	1.58E-08	7.20E-09	0.00E+00	0.00E+00	6.09E-09	1.30E-09	8.24E-09	1.27E-09	5.58E-10	1.75E-08
5149	498363.09	3864377.25	5.39E-05	6.23E-05	2.83E-05	1.86E-08	5.63E-08	3.26E-08	3.77E-08	3.42E-08	1.56E-08	7.09E-09	0.00E+00	0.00E+00	5.99E-09	1.28E-09	8.11E-09	1.25E-09	5.49E-10	1.72E-08
5150	471363.09	3864877.25	2.79E-05	3.22E-05	1.48E-05	9.66E-09	2.92E-08	1.69E-08	1.95E-08	1.77E-08	8.07E-09	3.70E-09	0.00E+00	0.00E+00	3.11E-09	6.62E-10	4.20E-09	6.48E-10	2.86E-10	8.91E-09
5151	471863.09	3864877.25	2.80E-05	3.24E-05	1.48E-05	9.70E-09	2.93E-08	1.70E-08	1.96E-08	1.78E-08	8.10E-09	3.71E-09	0.00E+00	0.00E+00	3.12E-09	6.65E-10	4.22E-09	6.51E-10	2.87E-10	8.94E-09
5152	472363.09	3864877.25	2.81E-05	3.25E-05	1.49E-05	9.74E-09	2.94E-08	1.70E-08	1.97E-08	1.78E-08	8.13E-09	3.73E-09	0.00E+00	0.00E+00	3.13E-09	6.68E-10	4.24E-09	6.53E-10	2.89E-10	8.98E-09
5153	472863.09	3864877.25	2.84E-05	3.29E-05	1.50E-05	9.84E-09	2.97E-08	1.72E-08	1.99E-08	1.80E-08	8.22E-09	3.77E-09	0.00E+00	0.00E+00	3.17E-09	6.75E-10	4.28E-09	6.60E-10	2.92E-10	9.07E-09
5154	473363.09	3864877.25	2.89E-05	3.33E-05	1.53E-05	9.99E-09	3.02E-08	1.75E-08	2.02E-08	1.83E-08	8.34E-09	3.82E-09	0.00E+00	0.00E+00	3.21E-09	6.85E-10	4.34E-09	6.70E-10	2.96E-10	9.21E-09
5155	473863.09	3864877.25	2.95E-05	3.41E-05	1.56E-05	1.02E-08	3.09E-08	1.79E-08	2.06E-08	1.87E-08	8.54E-09	3.91E-09	0.00E+00	0.00E+00	3.29E-09	7.01E-10	4.45E-09	6.86E-10	3.03E-10	9.42E-09
5156	474363.09	3864877.25	3.04E-05	3.51E-05	1.61E-05	1.05E-08	3.18E-08	1.84E-08	2.12E-08	1.93E-08	8.79E-09	4.03E-09	0.00E+00	0.00E+00	3.38E-09	7.21E-10	4.58E-09	7.06E-10	3.12E-10	9.70E-09
5157	474863.09	3864877.25	3.13E-05	3.62E-05	1.66E-05	1.08E-08	3.28E-08	1.90E-08	2.19E-08	1.99E-08	9.06E-09	4.15E-09	0.00E+00	0.00E+00	3.49E-09	7.43E-10	4.72E-09	7.28E-10	3.21E-10	1.00E-08
5158	475363.09	3864877.25	3.24E-05	3.74E-05	1.71E-05	1.12E-08	3.38E-08	1.96E-08	2.26E-08	2.05E-08	9.36E-09	4.29E-09	0.00E+00	0.00E+00	3.60E-09	7.68E-10	4.87E-09	7.52E-10	3.32E-10	1.03E-08
5159	475863.09	3864877.25	3.35E-05	3.87E-05	1.77E-05	1.16E-08	3.50E-08	2.03E-08	2.34E-08	2.12E-08	9.69E-09	4.44E-09	0.00E+00	0.00E+00	3.73E-09	7.95E-10	5.05E-09	7.78E-10	3.44E-10	1.07E-08
5160	476363.09	3864877.25	3.50E-05	4.04E-05	1.85E-05	1.21E-08	3.65E-08	2.12E-08	2.44E-08	2.22E-08	1.01E-08	4.62E-09	0.00E+00	0.00E+00	3.89E-09	8.30E-10	5.26E-09	8.12E-10	3.58E-10	1.12E-08
5161	476863.09	3864877.25	3.67E-05	4.24E-05	1.94E-05	1.27E-08	3.84E-08	2.22E-08	2.57E-08	2.33E-08	1.06E-08	4.85E-09	0.00E+00	0.00E+00	4.09E-09	8.71E-10	5.53E-09	8.52E-10	3.76E-10	1.17E-08
5162	477363.09	3864877.25	3.81E-05	4.40E-05	2.01E-05	1.32E-08	3.98E-08	2.31E-08	2.66E-08	2.41E-08	1.10E-08	5.04E-09	0.00E+00	0.00E+00	4.24E-09	9.04E-10	5.74E-09	8.85E-10	3.90E-10	1.22E-08
5163	477863.09	3864877.25	3.94E-05	4.55E-05	2.08E-05	1.36E-08	4.11E-08	2.38E-08	2.75E-08	2.49E-08	1.14E-08	5.20E-09	0.00E+00	0.00E+00	4.38E-09	9.34E-10	5.93E-09	9.14E-10	4.03E-10	1.26E-08
5164	478363.09	3864877.25	4.10E-05	4.73E-05	2.16E-05	1.42E-08	4.28E-08	2.48E-08	2.86E-08	2.60E-08	1.18E-08	5.41E-09	0.00E+00	0.00E+00	4.56E-09	9.72E-10	6.17E-09	9.51E-10	4.19E-10	1.31E-08
5165	478863.09	3864877.25	4.31E-05	4.98E-05	2.27E-05	1.49E-08	4.50E-08	2.61E-08	3.01E-08	2.73E-08	1.25E-08	5.69E-09	0.00E+00	0.00E+00	4.79E-09	1.02E-09	6.49E-09	1.00E-09	4.40E-10	1.37E-08
5166	479363.09	3864877.25	4.54E-05	5.25E-05	2.39E-05	1.57E-08	4.75E-08	2.75E-08	3.18E-08	2.88E-08	1.31E-08	5.99E-09	0.00E+00	0.00E+00	5.06E-09	1.08E-09	6.84E-09	1.06E-09	4.64E-10	1.45E-08
5167	479863.09	3864877.25	4.77E-05	5.51E-05	2.51E-05	1.65E-08	4.98E-08	2.88E-08	3.34E-08	3.02E-08	1.38E-08	6.28E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.18E-09	1.11E-09	4.86E-10	1.52E-08
5168	480363.09	3864877.25	4.94E-05	5.71E-05	2.60E-05	1.71E-08	5.16E-08	2.99E-08	3.45E-08	3.13E-08	1.43E-08	6.50E-09	0.00E+00	0.00E+00	5.50E-09	1.17E-09	7.44E-09	1.15E-09	5.03E-10	1.58E-08
5169	480863.09	3864877.25	4.97E-05	5.74E-05	2.61E-05	1.72E-08	5.19E-08	3.01E-08	3.47E-08	3.15E-08	1.44E-08	6.53E-09	0.00E+00	0.00E+00	5.53E-09	1.18E-09	7.48E-09	1.15E-09	5.06E-10	1.59E-08
5170	481363.09	3864877.25	4.98E-05	5.76E-05	2.62E-05	1.72E-08	5.20E-08	3.01E-08	3.48E-08	3.16E-08	1.44E-08	6.55E-09	0.00E+00	0.00E+00	5.54E-09	1.18E-09	7.50E-09	1.16E-09	5.07E-10	1.59E-08
5171	481863.09	3864877.25	5.06E-05	5.85E-05	2.65E-05	1.75E-08	5.28E-08	3.06E-08	3.54E-08	3.21E-08	1.46E-08	6.64E-09	0.00E+00	0.00E+00	5.63E-09	1.20E-09	7.62E-09	1.17E-09	5.14E-10	1.61E-08
5172	482363.09	3864877.25	5.16E-05	5.96E-05	2.71E-05	1.79E-08	5.39E-08	3.12E-08	3.61E-08	3.27E-08	1.49E-08	6.77E-09	0.00E+00	0.00E+00	5.74E-09	1.22E-09	7.77E-09	1.20E-09	5.24E-10	1.65E-08
5173	482863.09	3864877.25	5.17E-05	5.98E-05	2.71E-05	1.79E-08	5.40E-08	3.13E-08	3.62E-08	3.28E-08	1.50E-08	6.79E-09	0.00E+00	0.00E+00	5.76E-09	1.23E-09	7.79E-09	1.20E-09	5.26E-10	1.65E-08
5174	483363.09	3864877.25	5.10E-05	5.89E-05	2.68E-05	1.76E-08	5.33E-08	3.08E-08	3.57E-08	3.23E-08	1.48E-08	6.70E-09	0.00E+00	0.00E+00	5.67E-09	1.21E-09	7.68E-09	1.18E-09	5.19E-10	1.63E-08
5175	483863.09	3864877.25	5.11E-05	5.90E-05	2.68E-05	1.77E-08	5.34E-08	3.09E-08	3.57E-08	3.24E-08	1.48E-08	6.72E-09	0.00E+00	0.00E+00	5.68E-09	1.21E-09	7.69E-09	1.19E-09	5.20E-10	1.63E-08
5176	484363.09	3864877.25	5.21E-05	6.02E-05	2.74E-05	1.80E-08	5.44E-08	3.15E-08	3.64E-08	3.30E-08	1.51E-08	6.85E-09	0.00E+00	0.00E+00	5.79E-09	1.24E-09	7.84E-09	1.21E-09	5.31E-10	1.66E-08
5177	484863.09	3864877.25	5.14E-05	5.95E-05	2.70E-05	1.78E-08	5.38E-08	3.11E-08	3.60E-08	3.26E-08	1.49E-08	6.76E-09	0.00E+00	0.00E+00	5.73E-09	1.22E-09	7.75E-09	1.20E-09	5.23E-10	1.64E-08
5178	485363.09	3864877.25	4.91E-05	5.67E-05	2.57E-05	1.70E-08	5.13E-08	2.97E-08	3.43E-08	3.11E-08	1.42E-08	6.44E-09	0.00E+00	0.00E+00	5.46E-09	1.17E-09	7.40E-09	1.14E-09	4.99E-10	1.57E-08
5179	485863.09	3864877.25	4.71E-05	5.45E-05	2.47E-05	1.63E-08	4.92E-08	2.85E-08	3.29E-08	2.99E-08	1.36E-08	6.19E-09	0.00E+00	0.00E+00	5.24E-09	1.12E-09	7.10E-09	1.09E-09	4.79E-10	1.50E-08
5180	486363.09	3864877.25	4.55E-05	5.26E-05	2.39E-05	1.58E-08	4.76E-08	2.75E-08	3.19E-08	2.89E-08	1.32E-08	5.98E-09	0.00E+00	0.00E+00	5.07E-09	1.08E-09	6.86E-09	1.06E-09	4.63E-10	1.45E-08
5181	486863.09	3864877.25	4.46E-05	5.15E-05	2.34E-05	1.54E-08	4.66E-08	2.70E-08	3.12E-08	2.83E-08	1.29E-08	5.86E-09	0.00E+00	0.00E+00	4.96E-09	1.06E-09	6.72E-09	1.04E-09	4.54E-10	1.42E-08
5182	487363.09	3864877.25	4.55E-05	5.26E-05	2.39E-05	1.57E-08	4.75E-08	2.75E-08	3.18E-08	2.88E-08	1.32E-08	5.99E-09	0.00E+00	0.00E+00	5.06E-09	1.08E-09	6.85E-09	1.06E-09	4.64E-10	1.45E-08
5183	487863.09	3864877.25	4.79E-05	5.53E-05	2.52E-05	1.66E-08	5.00E-08	2.90E-08	3.35E-08	3.04E-08	1.39E-08	6.30E-09	0.00E+00	0.00E+00	5.33E-09	1.14E-09	7.21E-09	1.11E-09	4.88E-10	1.53E-08
5184	488363.09	3864877.25	4.94E-05	5.71E-05	2.59E-05	1.71E-08	5.16E-08	2.99E-08	3.45E-08	3.13E-08	1.43E-08	6.49E-09	0.00E+00	0.00E+00	5.49E-09	1.17E-09	7.44E-09	1.15E-09	5.03E-10	1.58E-08
5185	488863.09	3864877.25	4.92E-05	5.69E-05	2.58E-05	1.70E-08	5.14E-08	2.98E-08	3.44E-08	3.12E-08	1.42E-08	6.46E-09	0.00E+00	0.00E+00	5.48E-09	1.17E-09	7.42E-09	1.14E-09	5.00E-10	1.57E-08
5186	489363.09	3864877.25	4.74E-05	5.48E-05	2.49E-05	1.64E-08	4.95E-08	2.87E-08	3.32E-08	3.01E-08	1.37E-08	6.22E-09	0.00E+00	0.00E+00	5.28E-09	1.13E-09	7.15E-09	1.10E-09	4.82E-10	1.51E-08
5187	489863.09	3864877.25	4.60E-05	5.33E-05	2.42E-05	1.59E-08	4.81E-08	2.79E-08	3.22E-08	2.92E-08	1.33E-08	6.05E-09	0.00E+00	0.00E+00	5.13E-09	1.09E-09	6.94E-09	1.07E-09	4.68E-10	1.47E-08
5188	490363.09	3864877.25	4.69E-05	5.43E-05	2.46E-05	1.62E-08	4.91E-08	2.84E-08	3.29E-08	2.98E-08	1.36E-08	6.16E-09	0.00E+00	0.00E+00	5.22E-09	1.12E-09	7.08E-09	1.09E-09	4.77E-10	1.50E-08
5189	490863.09	3864877.25	5.20E-05	6.02E-05	2.72E-05	1.80E-08	5.44E-08	3.15E-08	3.64E-08	3.30E-08	1.51E-08	6.82E-09	0.00E+00	0.00E+00	5.79E-09	1.24E-09	7.84E-09	1.21E-09	5.28E-10	1.66E-08
5190	491363.09	3864877.25	5.27E-05	6.09E-05	2.76E-05	1.82E-08	5.50E-08	3.19E-08	3.69E-08	3.34E-08	1.52E-08	6.91E-09	0.00E+00	0.00E+00	5.86E-09	1.25E-09	7.94E-09	1.22E-09	5.35E-10	1.68E-08
5191	491863.09	3864877.25	5.27E-05	6.09E-05	2.76E-05	1.82E-08	5.51E-08	3.19E-08	3.69E-08	3.34E-08	1.52E-08	6.92E-09	0.00E+00	0.00E+00	5.86E-09	1.25E-09	7.94E-09	1.22E-09	5.36E-10	1.68E-08
5192	492363.09	3864877.25	2.64E-05	3.04E-05	1.40E-05	9.12E-09	2.75E-08	1.59E-08	1.84E-08	1.67E-08	7.62E-09	3.49E-09	0.00E+00	0.00E+00	2.93E-09	6.25E-10	3.97E-09	6.12E-10	2.70E-10	8.41E-09
5193	492863.09	3864877.25	3.83E-05	4.43E-05	2.02E-05	1.33E-08	4.01E-08	2.32E-08	2.68E-08	2.43E-08	1.11E-08	5.06E-09	0.00E+00	0.00E+00	4.27E-09	9.09E-10	5.77E-09	8.90E-10	3.92E-10	1.22E-08
5194	493363.09	3864877.25	3.65E-05	4.21E-05	1.93E-05	1.26E-08	3.81E-08	2.21E-08	2.55E-08	2.31E-08	1.05E-08	4.82E-09	0.00E+00	0.00E+00	4.06E-09	8.65E-10	5.49E-09	8.47E-10	3.74E-10	1.16E-08
5195	493863.09	3864877.25	5.03E-05	5.81E-05	2.65E-05	1.74E-08	5.25E-08	3.04E-08	3.51E-08	3.19E-08	1.45E-08	6.64E-09	0.00E+00	0.00E+00	5.60E-09	1.19E-09	7.57E-09	1.17E-09	5.14E-10	1.60E-08
5196	494363.09	3864877.25	5.40E-05	6.24E-05	2.84E-05	1.87E-08	5.64E-08	3.27E-08	3.78E-08	3.42E-08	1.56E-08	7.10E-09	0.00E+00	0.00E+00	6.01E-09	1.28E-09	8.14E-09	1.25E-09	5.50E-10	1.72E-08
5197	494863.09	3864877.25	5.72E-05	6.62E-05	3.00E-05	1.98E-08	5.98E-08	3.46E-08	4.00E-08	3.63E-08	1.66E-08	7.52E-09	0.00E+00	0.00E+00	6.37E-09	1.36E-09	8.62E-09	1.33E-09	5.82E-10	1.83E-08
5198	495363.09	3864877.25	5.82E-05	6.73E-05	3.06E-05	2.01E-08	6.08E-08	3.52E-08	4.07E-08	3.69E-08	1.68E-08	7.65E-09	0.00E+00	0.00E+00	6.48E-09	1.38E-09	8.77E-09	1.35E-09	5.92E-10	1.86E-08
5199	495863.09	3864877.25	5.65E-05	6.53E-05	2.97E-05	1.95E-08	5.90E-08	3.42E-08	3.95E-08	3.58E-08	1.63E-08	7.43E-09	0.00E+00	0.00E+00	6.29E-09	1.34E-09	8.51E-09	1.31E-09	5.75E-10	1.80E-08
5200	496363.09	3864877.25	5.39E-05	6.23E-05	2.83E-05	1.87E-08	5.63E-08	3.26E-08	3.77E-08	3.42E-08	1.56E-08	7.09E-09	0.00E+00	0.00E+00	6.00E-09	1.28E-09	8.12E-09	1.25E-09	5.49E-10	1.72E-08
5201	496863.09	3864877.25	5.13E-05	5.94E-05	2.70E-05	1.78E-08	5.37E-08	3.11E-08	3.59E-08	3.26E-08	1.49E-08	6.75E-09	0.00E+00	0.00E+00	5.71E-09	1.22E-09	7.74E-09	1.19E-09	5.23E-10	1.64E-08
5202	497363.09	3864877.25	4.99E-05	5.77E-05	2.62E-05	1.73E-08	5.21E-08	3.02E-08	3.49E-08	3.16E-08	1.44E-08	6.56E-09	0.00E+00	0.00E+00	5.55E-09	1.18E-09	7.52E-09	1.16E-09	5.08E-10	1.59E-08
5203	497863.09	3864877.25	4.97E-05	5.74E-05	2.61E-05	1.72E-08	5.19E-08	3.01E-08	3.47E-08	3.15E-08	1.44E-08	6.54E-09	0.00E+00	0.00E+00	5.53E-09	1.18E-09	7.48E-09	1.15E-09	5.06E-10	1.59E-08
5204	498363.09	3864877.25	4.95E-05	5.73E-05	2.60E-05	1.71E-08	5.18E-08	3.00E-08	3.46E-08	3.14E-08	1.43E-08	6.52E-09	0.00E+00	0.00E+00	5.51E-09	1.18E-09	7.46E-09	1.15E-09	5.05E-10	1.58E-08
5205	471363.09	3865377.25	2.55E-05	2.94E-05	1.35E-05	8.81E-09	2.66E-08	1.54E-08	1.78E-08	1.61E-08	7.36E-09	3.37E-09	0.00E+00	0.00E+00	2.83E-09	6.04E-10	3.83E-09	5.91E-10	2.61E-10	8.12E-09
5206	471863.09	3865377.25	2.57E-05	2.96E-05	1.36E-05	8.88E-09	2.68E-08	1.55E-08	1.79E-08	1.63E-08	7.41E-09	3.40E-09	0.00E+00	0.00E+00	2.86E-09	6.08E-10	3.86E-09	5.95E-10	2.63E-10	8.18E-09
5207	472363.09	3865377.25	2.61E-05	3.01E-05	1.38E-05	9.02E-09	2.72E-08	1.58E-08	1.82E-08	1.65E-08	7.54E-09	3.46E-09	0.00E+00	0.00E+00	2.90E-09	6.18E-10	3.92E-09	6.05E-10	2.68E-10	8.32E-09
5208	472863.09	3865377.25	2.67E-05	3.09E-05	1.42E-05	9.25E-09	2.79E-08	1.62E-08	1.87E-08	1.69E-08	7.72E-09	3.54E-09	0.00E+00	0.00E+00	2.97E-09	6.34E-10	4.02E-09	6.20E-10	2.74E-10	8.52E-09
5209	473363.09	3865377.25	2.74E-05	3.16E-05	1.45E-05	9.47E-09	2.86E-08	1.66E-08	1.91E-08	1.73E-08	7.91E-09	3.63E-09	0.00E+00	0.00E+00	3.04E-09	6.49E-10	4.12E-09	6.35E-10	2.81E-10	8.73E-09
5210	473863.09	3865377.25	2.81E-05	3.25E-05	1.49E-05	9.73E-09	2.94E-08	1.70E-08	1.96E-08	1.78E-08	8.12E-09	3.73E-09	0.00E+00	0.00E+00	3.13E-09	6.67E-10	4.23E-09	6.52E-10	2.88E-10	8.96E-09
5211	474363.09	3865377.25	2.89E-05	3.34E-05	1.53E-05	1.00E-08	3.02E-08	1.75E-08	2.02E-08	1.83E-08	8.36E-09	3.83E-09	0.00E+00	0.00E+00	3.22E-09	6.86E-10	4.35E-09	6.71E-10	2.97E-10	9.23E-09
5212	474863.09	3865377.25	2.98E-05	3.44E-05	1.58E-05	1.03E-08	3.12E-08	1.80E-08	2.08E-08	1.89E-08	8.62E-09	3.95E-09	0.00E+00	0.00E+00	3.32E-09	7.07E-10	4.49E-09	6.92E-10	3.06E-10	9.51E-09
5213	475363.09	3865377.25	3.06E-05	3.54E-05	1.62E-05	1.06E-08	3.20E-08	1.85E-08	2.14E-08	1.94E-08	8.86E-09	4.06E-09	0.00E+00	0.00E+00	3.41E-09	7.27E-10	4.61E-09	7.12E-10	3.14E-10	9.78E-09
5214	475863.09	3865377.25	3.18E-05	3.68E-05	1.68E-05	1.10E-08	3.33E-08	1.93E-08	2.22E-08	2.02E-08	9.20E-09	4.21E-09	0.00E+00	0.00E+00	3.54E-09	7.55E-10	4.79E-09	7.39E-10	3.26E-10	1.02E-08
5215	476363.09	3865377.25	3.37E-05	3.89E-05	1.78E-05	1.17E-08	3.52E-08	2.04E-08	2.35E-08	2.13E-08	9.74E-09	4.46E-09	0.00E+00	0.00E+00	3.75E-09	7.99E-10	5.07E-09	7.82E-10	3.45E-10	1.07E-08
5216	476863.09	3865377.25	3.53E-05	4.08E-05	1.87E-05	1.22E-08	3.69E-08	2.14E-08	2.47E-08	2.24E-08	1.02E-08	4.67E-09	0.00E+00	0.00E+00	3.93E-09	8.37E-10	5.31E-09	8.19E-10	3.61E-10	1.13E-08
5217	477363.09	3865377.25	3.62E-05	4.19E-05	1.91E-05	1.25E-08	3.79E-08	2.19E-08	2.53E-08	2.30E-08	1.05E-08	4.79E-09	0.00E+00	0.00E+00	4.03E-09	8.60E-10	5.46E-09	8.42E-10	3.71E-10	1.16E-08
5218	477863.09	3865377.25	3.71E-05	4.29E-05	1.96E-05	1.29E-08	3.88E-08	2.25E-08	2.60E-08	2.35E-08	1.07E-08	4.91E-09	0.00E+00	0.00E+00	4.13E-09	8.81E-10	5.59E-09	8.62E-10	3.80E-10	1.18E-08
5219	478363.09	3865377.25	3.89E-05	4.50E-05	2.06E-05	1.35E-08	4.07E-08	2.36E-08	2.72E-08	2.47E-08	1.13E-08	5.14E-09	0.00E+00	0.00E+00	4.34E-09	9.24E-10	5.87E-09	9.04E-10	3.98E-10	1.24E-08
5220	478863.09	3865377.25	4.09E-05	4.73E-05	2.16E-05	1.42E-08	4.27E-08	2.47E-08	2.86E-08	2.59E-08	1.18E-08	5.40E-09	0.00E+00	0.00E+00	4.55E-09	9.71E-10	6.16E-09	9.50E-10	4.18E-10	1.30E-08
5221	479363.09	3865377.25	4.28E-05	4.95E-05	2.26E-05	1.48E-08	4.48E-08	2.59E-08	2.99E-08	2.71E-08	1.24E-08	5.64E-09	0.00E+00	0.00E+00	4.77E-09	1.02E-09	6.45E-09	9.95E-10	4.37E-10	1.37E-08
5222	479863.09	3865377.25	4.45E-05	5.15E-05	2.34E-05	1.54E-08	4.65E-08	2.69E-08	3.11E-08	2.82E-08	1.29E-08	5.86E-09	0.00E+00	0.00E+00	4.95E-09	1.06E-09	6.71E-09	1.03E-09	4.54E-10	1.42E-08
5223	480363.09	3865377.25	4.52E-05	5.22E-05	2.37E-05	1.56E-08	4.72E-08	2.73E-08	3.16E-08	2.87E-08	1.31E-08	5.94E-09	0.00E+00	0.00E+00	5.03E-09	1.07E-09	6.81E-09	1.05E-09	4.60E-10	1.44E-08
5224	480863.09	3865377.25	4.53E-05	5.23E-05	2.38E-05	1.57E-08	4.73E-08	2.74E-08	3.17E-08	2.87E-08	1.31E-08	5.95E-09	0.00E+00	0.00E+00	5.04E-09	1.08E-09	6.82E-09	1.05E-09	4.61E-10	1.44E-08
5225	481363.09	3865377.25	4.56E-05	5.27E-05	2.39E-05	1.58E-08	4.76E-08	2.76E-08	3.19E-08	2.89E-08	1.32E-08	5.99E-09	0.00E+00	0.00E+00	5.07E-09	1.08E-09	6.87E-09	1.06E-09	4.64E-10	1.46E-08
5226	481863.09	3865377.25	4.62E-05	5.34E-05	2.43E-05	1.60E-08	4.83E-08	2.79E-08	3.23E-08	2.93E-08	1.34E-08	6.07E-09	0.00E+00	0.00E+00	5.14E-09	1.10E-09	6.96E-09	1.07E-09	4.70E-10	1.47E-08
5227	482363.09	3865377.25	4.68E-05	5.42E-05	2.46E-05	1.62E-08	4.90E-08	2.83E-08	3.28E-08	2.97E-08	1.36E-08	6.15E-09	0.00E+00	0.00E+00	5.21E-09	1.11E-09	7.06E-09	1.09E-09	4.76E-10	1.50E-08
5228	482863.09	3865377.25	4.66E-05	5.39E-05	2.45E-05	1.61E-08	4.87E-08	2.82E-08	3.26E-08	2.96E-08	1.35E-08	6.12E-09	0.00E+00	0.00E+00	5.19E-09	1.11E-09	7.02E-09	1.08E-09	4.74E-10	1.49E-08
5229	483363.09	3865377.25	4.62E-05	5.34E-05	2.43E-05	1.60E-08	4.83E-08	2.80E-08	3.23E-08	2.93E-08	1.34E-08	6.08E-09	0.00E+00	0.00E+00	5.14E-09	1.10E-09	6.96E-09	1.07E-09	4.71E-10	1.47E-08
5230	483863.09	3865377.25	4.68E-05	5.41E-05	2.46E-05	1.62E-08	4.89E-08	2.83E-08	3.27E-08	2.97E-08	1.35E-08	6.17E-09	0.00E+00	0.00E+00	5.21E-09	1.11E-09	7.05E-09	1.09E-09	4.78E-10	1.49E-08
5231	484363.09	3865377.25	4.76E-05	5.50E-05	2.50E-05	1.65E-08	4.97E-08	2.88E-08	3.33E-08	3.02E-08	1.38E-08	6.26E-09	0.00E+00	0.00E+00	5.30E-09	1.13E-09	7.17E-09	1.11E-09	4.85E-10	1.52E-08
5232	484863.09	3865377.25	4.67E-05	5.41E-05	2.45E-05	1.62E-08	4.89E-08	2.83E-08	3.27E-08	2.97E-08	1.35E-08	6.14E-09	0.00E+00	0.00E+00	5.20E-09	1.11E-09	7.04E-09	1.09E-09	4.75E-10	1.49E-08
5233	485363.09	3865377.25	4.47E-05	5.17E-05	2.35E-05	1.55E-08	4.67E-08	2.70E-08	3.13E-08	2.84E-08	1.29E-08	5.87E-09	0.00E+00	0.00E+00	4.98E-09	1.06E-09	6.74E-09	1.04E-09	4.55E-10	1.43E-08
5234	485863.09	3865377.25	4.30E-05	4.97E-05	2.26E-05	1.49E-08	4.49E-08	2.60E-08	3.01E-08	2.73E-08	1.24E-08	5.65E-09	0.00E+00	0.00E+00	4.79E-09	1.02E-09	6.48E-09	9.99E-10	4.38E-10	1.37E-08
5235	486363.09	3865377.25	4.16E-05	4.81E-05	2.18E-05	1.44E-08	4.34E-08	2.51E-08	2.91E-08	2.64E-08	1.20E-08	5.46E-09	0.00E+00	0.00E+00	4.63E-09	9.87E-10	6.26E-09	9.66E-10	4.23E-10	1.33E-08
5236	486863.09	3865377.25	4.05E-05	4.68E-05	2.13E-05	1.40E-08	4.23E-08	2.45E-08	2.83E-08	2.57E-08	1.17E-08	5.33E-09	0.00E+00	0.00E+00	4.51E-09	9.62E-10	6.10E-09	9.41E-10	4.13E-10	1.29E-08
5237	487363.09	3865377.25	4.12E-05	4.76E-05	2.17E-05	1.42E-08	4.30E-08	2.49E-08	2.88E-08	2.61E-08	1.19E-08	5.42E-09	0.00E+00	0.00E+00	4.58E-09	9.77E-10	6.20E-09	9.56E-10	4.20E-10	1.31E-08
5238	487863.09	3865377.25	4.34E-05	5.02E-05	2.28E-05	1.50E-08	4.53E-08	2.63E-08	3.03E-08	2.75E-08	1.26E-08	5.72E-09	0.00E+00	0.00E+00	4.83E-09	1.03E-09	6.54E-09	1.01E-09	4.43E-10	1.38E-08
5239	488363.09	3865377.25	4.51E-05	5.21E-05	2.37E-05	1.56E-08	4.71E-08	2.73E-08	3.15E-08	2.86E-08	1.30E-08	5.94E-09	0.00E+00	0.00E+00	5.02E-09	1.07E-09	6.79E-09	1.05E-09	4.60E-10	1.44E-08
5240	488863.09	3865377.25	4.54E-05	5.25E-05	2.38E-05	1.57E-08	4.74E-08	2.75E-08	3.18E-08	2.88E-08	1.31E-08	5.96E-09	0.00E+00	0.00E+00	5.05E-09	1.08E-09	6.84E-09	1.06E-09	4.62E-10	1.45E-08
5241	489363.09	3865377.25	4.42E-05	5.11E-05	2.32E-05	1.53E-08	4.62E-08	2.67E-08	3.09E-08	2.80E-08	1.28E-08	5.80E-09	0.00E+00	0.00E+00	4.92E-09	1.05E-09	6.66E-09	1.03E-09	4.49E-10	1.41E-08
5242	489863.09	3865377.25	4.29E-05	4.96E-05	2.25E-05	1.48E-08	4.48E-08	2.59E-08	3.00E-08	2.72E-08	1.24E-08	5.63E-09	0.00E+00	0.00E+00	4.77E-09	1.02E-09	6.46E-09	9.96E-10	4.36E-10	1.37E-08
5243	490363.09	3865377.25	4.41E-05	5.10E-05	2.31E-05	1.53E-08	4.61E-08	2.67E-08	3.08E-08	2.80E-08	1.28E-08	5.78E-09	0.00E+00	0.00E+00	4.90E-09	1.05E-09	6.64E-09	1.02E-09	4.48E-10	1.41E-08

5244	490863.09	3865377.25	4.60E-05	5.32E-05	2.41E-05	1.59E-08	4.81E-08	2.78E-08	3.22E-08	2.92E-08	1.33E-08	6.03E-09	0.00E+00	0.00E+00	5.12E-09	1.09E-09	6.94E-09	1.07E-09	4.67E-10	1.47E-08
5245	491363.09	3865377.25	4.84E-05	5.60E-05	2.54E-05	1.68E-08	5.06E-08	2.93E-08	3.39E-08	3.07E-08	1.40E-08	6.35E-09	0.00E+00	0.00E+00	5.39E-09	1.15E-09	7.30E-09	1.13E-09	4.91E-10	1.54E-08
5246	491863.09	3865377.25	4.86E-05	5.62E-05	2.55E-05	1.68E-08	5.08E-08	2.94E-08	3.40E-08	3.08E-08	1.41E-08	6.38E-09	0.00E+00	0.00E+00	5.41E-09	1.15E-09	7.33E-09	1.13E-09	4.94E-10	1.55E-08
5247	492363.09	3865377.25	4.40E-05	5.08E-05	2.31E-05	1.52E-08	4.60E-08	2.66E-08	3.08E-08	2.79E-08	1.27E-08	5.79E-09	0.00E+00	0.00E+00	4.89E-09	1.04E-09	6.62E-09	1.02E-09	4.48E-10	1.40E-08
5248	492863.09	3865377.25	3.97E-05	4.58E-05	2.09E-05	1.37E-08	4.15E-08	2.40E-08	2.77E-08	2.51E-08	1.15E-08	5.23E-09	0.00E+00	0.00E+00	4.42E-09	9.42E-10	5.97E-09	9.21E-10	4.05E-10	1.27E-08
5249	493363.09	3865377.25	3.38E-05	3.90E-05	1.78E-05	1.17E-08	3.53E-08	2.04E-08	2.36E-08	2.14E-08	9.76E-09	4.46E-09	0.00E+00	0.00E+00	3.76E-09	8.01E-10	5.08E-09	7.84E-10	3.46E-10	1.08E-08
5250	493863.09	3865377.25	4.58E-05	5.29E-05	2.42E-05	1.58E-08	4.78E-08	2.77E-08	3.20E-08	2.90E-08	1.32E-08	6.06E-09	0.00E+00	0.00E+00	5.10E-09	1.09E-09	6.89E-09	1.06E-09	4.69E-10	1.46E-08
5251	494363.09	3865377.25	4.59E-05	5.30E-05	2.42E-05	1.59E-08	4.79E-08	2.78E-08	3.21E-08	2.91E-08	1.33E-08	6.05E-09	0.00E+00	0.00E+00	5.11E-09	1.09E-09	6.91E-09	1.07E-09	4.69E-10	1.46E-08
5252	494863.09	3865377.25	4.90E-05	5.66E-05	2.58E-05	1.70E-08	5.12E-08	2.96E-08	3.43E-08	3.11E-08	1.42E-08	6.45E-09	0.00E+00	0.00E+00	5.45E-09	1.16E-09	7.38E-09	1.14E-09	4.99E-10	1.56E-08
5253	495363.09	3865377.25	5.21E-05	6.03E-05	2.74E-05	1.80E-08	5.45E-08	3.15E-08	3.65E-08	3.31E-08	1.51E-08	6.85E-09	0.00E+00	0.00E+00	5.80E-09	1.24E-09	7.86E-09	1.21E-09	5.31E-10	1.66E-08
5254	495863.09	3865377.25	5.31E-05	6.14E-05	2.79E-05	1.84E-08	5.55E-08	3.21E-08	3.72E-08	3.37E-08	1.54E-08	6.98E-09	0.00E+00	0.00E+00	5.91E-09	1.26E-09	8.00E-09	1.23E-09	5.41E-10	1.70E-08
5255	496363.09	3865377.25	5.22E-05	6.04E-05	2.74E-05	1.81E-08	5.46E-08	3.16E-08	3.65E-08	3.31E-08	1.51E-08	6.87E-09	0.00E+00	0.00E+00	5.81E-09	1.24E-09	7.87E-09	1.21E-09	5.32E-10	1.67E-08
5256	496863.09	3865377.25	4.99E-05	5.77E-05	2.62E-05	1.73E-08	5.21E-08	3.02E-08	3.49E-08	3.16E-08	1.44E-08	6.56E-09	0.00E+00	0.00E+00	5.55E-09	1.18E-09	7.52E-09	1.16E-09	5.08E-10	1.59E-08
5257	497363.09	3865377.25	4.73E-05	5.47E-05	2.49E-05	1.64E-08	4.95E-08	2.86E-08	3.31E-08	3.00E-08	1.37E-08	6.23E-09	0.00E+00	0.00E+00	5.27E-09	1.12E-09	7.13E-09	1.10E-09	4.82E-10	1.51E-08
5258	497863.09	3865377.25	4.58E-05	5.30E-05	2.41E-05	1.59E-08	4.79E-08	2.77E-08	3.20E-08	2.90E-08	1.33E-08	6.03E-09	0.00E+00	0.00E+00	5.10E-09	1.09E-09	6.90E-09	1.06E-09	4.67E-10	1.46E-08
5259	498363.09	3865377.25	4.55E-05	5.26E-05	2.39E-05	1.58E-08	4.76E-08	2.76E-08	3.19E-08	2.89E-08	1.32E-08	5.99E-09	0.00E+00	0.00E+00	5.07E-09	1.08E-09	6.86E-09	1.06E-09	4.64E-10	1.45E-08
5260	471363.09	3865877.25	2.36E-05	2.73E-05	1.25E-05	8.17E-09	2.47E-08	1.43E-08	1.65E-08	1.50E-08	6.83E-09	3.13E-09	0.00E+00	0.00E+00	2.63E-09	5.60E-10	3.55E-09	5.48E-10	2.43E-10	7.53E-09
5261	471863.09	3865877.25	2.41E-05	2.78E-05	1.28E-05	8.35E-09	2.52E-08	1.46E-08	1.68E-08	1.53E-08	6.97E-09	3.20E-09	0.00E+00	0.00E+00	2.68E-09	5.72E-10	3.63E-09	5.60E-10	2.48E-10	7.69E-09
5262	472363.09	3865877.25	2.49E-05	2.87E-05	1.32E-05	8.62E-09	2.60E-08	1.51E-08	1.74E-08	1.58E-08	7.20E-09	3.30E-09	0.00E+00	0.00E+00	2.77E-09	5.90E-10	3.75E-09	5.78E-10	2.56E-10	7.94E-09
5263	472863.09	3865877.25	2.55E-05	2.94E-05	1.35E-05	8.81E-09	2.66E-08	1.54E-08	1.78E-08	1.61E-08	7.36E-09	3.38E-09	0.00E+00	0.00E+00	2.83E-09	6.04E-10	3.83E-09	5.91E-10	2.62E-10	8.12E-09
5264	473363.09	3865877.25	2.61E-05	3.02E-05	1.38E-05	9.04E-09	2.73E-08	1.58E-08	1.83E-08	1.65E-08	7.55E-09	3.47E-09	0.00E+00	0.00E+00	2.91E-09	6.20E-10	3.93E-09	6.06E-10	2.68E-10	8.33E-09
5265	473863.09	3865877.25	2.68E-05	3.09E-05	1.42E-05	9.27E-09	2.80E-08	1.62E-08	1.87E-08	1.70E-08	7.74E-09	3.55E-09	0.00E+00	0.00E+00	2.98E-09	6.35E-10	4.03E-09	6.22E-10	2.75E-10	8.55E-09
5266	474363.09	3865877.25	2.75E-05	3.17E-05	1.45E-05	9.50E-09	2.87E-08	1.66E-08	1.92E-08	1.74E-08	7.94E-09	3.64E-09	0.00E+00	0.00E+00	3.06E-09	6.51E-10	4.13E-09	6.37E-10	2.82E-10	8.76E-09
5267	474863.09	3865877.25	2.83E-05	3.26E-05	1.50E-05	9.78E-09	2.95E-08	1.71E-08	1.98E-08	1.79E-08	8.17E-09	3.74E-09	0.00E+00	0.00E+00	3.15E-09	6.71E-10	4.25E-09	6.56E-10	2.90E-10	9.02E-09
5268	475363.09	3865877.25	2.92E-05	3.38E-05	1.55E-05	1.01E-08	3.05E-08	1.77E-08	2.04E-08	1.85E-08	8.45E-09	3.87E-09	0.00E+00	0.00E+00	3.25E-09	6.93E-10	4.40E-09	6.78E-10	3.00E-10	9.32E-09
5269	475863.09	3865877.25	3.04E-05	3.52E-05	1.61E-05	1.05E-08	3.18E-08	1.84E-08	2.13E-08	1.93E-08	8.80E-09	4.03E-09	0.00E+00	0.00E+00	3.39E-09	7.22E-10	4.58E-09	7.07E-10	3.12E-10	9.71E-09
5270	476363.09	3865877.25	3.23E-05	3.73E-05	1.71E-05	1.12E-08	3.37E-08	1.95E-08	2.26E-08	2.04E-08	9.33E-09	4.27E-09	0.00E+00	0.00E+00	3.59E-09	7.66E-10	4.86E-09	7.49E-10	3.31E-10	1.03E-08
5271	476863.09	3865877.25	3.34E-05	3.86E-05	1.77E-05	1.16E-08	3.49E-08	2.02E-08	2.34E-08	2.12E-08	9.67E-09	4.42E-09	0.00E+00	0.00E+00	3.72E-09	7.93E-10	5.03E-09	7.76E-10	3.42E-10	1.07E-08
5272	477363.09	3865877.25	3.45E-05	3.98E-05	1.82E-05	1.19E-08	3.60E-08	2.09E-08	2.41E-08	2.18E-08	9.97E-09	4.56E-09	0.00E+00	0.00E+00	3.84E-09	8.18E-10	5.19E-09	8.00E-10	3.53E-10	1.10E-08
5273	477863.09	3865877.25	3.55E-05	4.10E-05	1.87E-05	1.23E-08	3.71E-08	2.15E-08	2.48E-08	2.25E-08	1.03E-08	4.69E-09	0.00E+00	0.00E+00	3.95E-09	8.42E-10	5.34E-09	8.24E-10	3.63E-10	1.13E-08
5274	478363.09	3865877.25	3.72E-05	4.30E-05	1.96E-05	1.29E-08	3.89E-08	2.25E-08	2.60E-08	2.36E-08	1.08E-08	4.91E-09	0.00E+00	0.00E+00	4.14E-09	8.82E-10	5.60E-09	8.63E-10	3.80E-10	1.19E-08
5275	478863.09	3865877.25	3.88E-05	4.49E-05	2.05E-05	1.34E-08	4.06E-08	2.35E-08	2.72E-08	2.46E-08	1.12E-08	5.12E-09	0.00E+00	0.00E+00	4.32E-09	9.22E-10	5.85E-09	9.02E-10	3.97E-10	1.24E-08
5276	479363.09	3865877.25	4.03E-05	4.66E-05	2.12E-05	1.40E-08	4.21E-08	2.44E-08	2.82E-08	2.56E-08	1.17E-08	5.31E-09	0.00E+00	0.00E+00	4.49E-09	9.57E-10	6.07E-09	9.37E-10	4.11E-10	1.29E-08
5277	479863.09	3865877.25	4.12E-05	4.76E-05	2.17E-05	1.43E-08	4.31E-08	2.49E-08	2.88E-08	2.61E-08	1.19E-08	5.42E-09	0.00E+00	0.00E+00	4.59E-09	9.78E-10	6.21E-09	9.57E-10	4.20E-10	1.32E-08
5278	480363.09	3865877.25	4.16E-05	4.81E-05	2.19E-05	1.44E-08	4.35E-08	2.52E-08	2.91E-08	2.64E-08	1.20E-08	5.47E-09	0.00E+00	0.00E+00	4.63E-09	9.88E-10	6.27E-09	9.67E-10	4.24E-10	1.33E-08
5279	480863.09	3865877.25	4.18E-05	4.83E-05	2.19E-05	1.45E-08	4.36E-08	2.53E-08	2.92E-08	2.65E-08	1.21E-08	5.49E-09	0.00E+00	0.00E+00	4.65E-09	9.92E-10	6.29E-09	9.71E-10	4.25E-10	1.33E-08
5280	481363.09	3865877.25	4.19E-05	4.84E-05	2.20E-05	1.45E-08	4.38E-08	2.53E-08	2.93E-08	2.66E-08	1.21E-08	5.51E-09	0.00E+00	0.00E+00	4.66E-09	9.95E-10	6.31E-09	9.74E-10	4.26E-10	1.34E-08
5281	481863.09	3865877.25	4.24E-05	4.90E-05	2.22E-05	1.47E-08	4.43E-08	2.56E-08	2.96E-08	2.69E-08	1.23E-08	5.56E-09	0.00E+00	0.00E+00	4.71E-09	1.01E-09	6.38E-09	9.84E-10	4.31E-10	1.35E-08
5282	482363.09	3865877.25	4.27E-05	4.94E-05	2.24E-05	1.48E-08	4.46E-08	2.58E-08	2.99E-08	2.71E-08	1.24E-08	5.61E-09	0.00E+00	0.00E+00	4.75E-09	1.01E-09	6.43E-09	9.92E-10	4.34E-10	1.36E-08
5283	482863.09	3865877.25	4.24E-05	4.90E-05	2.23E-05	1.47E-08	4.43E-08	2.56E-08	2.97E-08	2.69E-08	1.23E-08	5.58E-09	0.00E+00	0.00E+00	4.72E-09	1.01E-09	6.39E-09	9.85E-10	4.32E-10	1.35E-08
5284	483363.09	3865877.25	4.24E-05	4.90E-05	2.23E-05	1.47E-08	4.43E-08	2.56E-08	2.96E-08	2.69E-08	1.23E-08	5.58E-09	0.00E+00	0.00E+00	4.72E-09	1.01E-09	6.38E-09	9.84E-10	4.32E-10	1.35E-08
5285	483863.09	3865877.25	4.33E-05	5.00E-05	2.28E-05	1.50E-08	4.52E-08	2.62E-08	3.03E-08	2.74E-08	1.25E-08	5.70E-09	0.00E+00	0.00E+00	4.82E-09	1.03E-09	6.52E-09	1.01E-09	4.42E-10	1.38E-08
5286	484363.09	3865877.25	4.38E-05	5.06E-05	2.30E-05	1.52E-08	4.58E-08	2.65E-08	3.06E-08	2.78E-08	1.27E-08	5.76E-09	0.00E+00	0.00E+00	4.87E-09	1.04E-09	6.60E-09	1.02E-09	4.46E-10	1.40E-08
5287	484863.09	3865877.25	4.27E-05	4.93E-05	2.24E-05	1.48E-08	4.46E-08	2.58E-08	2.98E-08	2.71E-08	1.23E-08	5.60E-09	0.00E+00	0.00E+00	4.75E-09	1.01E-09	6.43E-09	9.91E-10	4.34E-10	1.36E-08
5288	485363.09	3865877.25	4.09E-05	4.73E-05	2.15E-05	1.42E-08	4.28E-08	2.48E-08	2.86E-08	2.60E-08	1.18E-08	5.38E-09	0.00E+00	0.00E+00	4.56E-09	9.72E-10	6.17E-09	9.51E-10	4.17E-10	1.31E-08
5289	485863.09	3865877.25	3.95E-05	4.56E-05	2.07E-05	1.37E-08	4.13E-08	2.39E-08	2.76E-08	2.50E-08	1.14E-08	5.19E-09	0.00E+00	0.00E+00	4.39E-09	9.38E-10	5.95E-09	9.17E-10	4.02E-10	1.26E-08
5290	486363.09	3865877.25	3.80E-05	4.40E-05	2.00E-05	1.32E-08	3.98E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	5.00E-09	0.00E+00	0.00E+00	4.23E-09	9.03E-10	5.73E-09	8.84E-10	3.87E-10	1.21E-08
5291	486863.09	3865877.25	3.70E-05	4.28E-05	1.95E-05	1.28E-08	3.87E-08	2.24E-08	2.59E-08	2.35E-08	1.07E-08	4.87E-09	0.00E+00	0.00E+00	4.12E-09	8.78E-10	5.57E-09	8.59E-10	3.77E-10	1.18E-08
5292	487363.09	3865877.25	3.74E-05	4.33E-05	1.97E-05	1.30E-08	3.91E-08	2.26E-08	2.62E-08	2.37E-08	1.08E-08	4.93E-09	0.00E+00	0.00E+00	4.17E-09	8.88E-10	5.64E-09	8.69E-10	3.82E-10	1.19E-08
5293	487863.09	3865877.25	3.96E-05	4.57E-05	2.08E-05	1.37E-08	4.14E-08	2.39E-08	2.77E-08	2.51E-08	1.14E-08	5.22E-09	0.00E+00	0.00E+00	4.40E-09	9.39E-10	5.96E-09	9.19E-10	4.04E-10	1.26E-08
5294	488363.09	3865877.25	4.13E-05	4.77E-05	2.17E-05	1.43E-08	4.31E-08	2.50E-08	2.89E-08	2.62E-08	1.19E-08	5.43E-09	0.00E+00	0.00E+00	4.59E-09	9.80E-10	6.22E-09	9.59E-10	4.21E-10	1.32E-08
5295	488863.09	3865877.25	4.20E-05	4.86E-05	2.21E-05	1.45E-08	4.39E-08	2.54E-08	2.94E-08	2.67E-08	1.22E-08	5.52E-09	0.00E+00	0.00E+00	4.68E-09	9.98E-10	6.33E-09	9.77E-10	4.28E-10	1.34E-08
5296	489363.09	3865877.25	4.15E-05	4.80E-05	2.17E-05	1.44E-08	4.33E-08	2.51E-08	2.90E-08	2.63E-08	1.20E-08	5.44E-09	0.00E+00	0.00E+00	4.62E-09	9.85E-10	6.25E-09	9.64E-10	4.21E-10	1.32E-08
5297	489863.09	3865877.25	4.00E-05	4.63E-05	2.10E-05	1.39E-08	4.19E-08	2.42E-08	2.80E-08	2.54E-08	1.16E-08	5.26E-09	0.00E+00	0.00E+00	4.46E-09	9.51E-10	6.04E-09	9.31E-10	4.07E-10	1.28E-08
5298	490363.09	3865877.25	3.98E-05	4.60E-05	2.09E-05	1.38E-08	4.16E-08	2.41E-08	2.78E-08	2.52E-08	1.15E-08	5.22E-09	0.00E+00	0.00E+00	4.43E-09	9.44E-10	5.99E-09	9.24E-10	4.04E-10	1.27E-08
5299	490863.09	3865877.25	4.09E-05	4.73E-05	2.14E-05	1.42E-08	4.27E-08	2.47E-08	2.86E-08	2.59E-08	1.18E-08	5.36E-09	0.00E+00	0.00E+00	4.55E-09	9.71E-10	6.16E-09	9.50E-10	4.15E-10	1.31E-08
5300	491363.09	3865877.25	4.33E-05	5.01E-05	2.27E-05	1.50E-08	4.53E-08	2.62E-08	3.03E-08	2.75E-08	1.25E-08	5.68E-09	0.00E+00	0.00E+00	4.82E-09	1.03E-09	6.53E-09	1.01E-09	4.40E-10	1.38E-08
5301	491863.09	3865877.25	4.52E-05	5.23E-05	2.37E-05	1.56E-08	4.72E-08	2.73E-08	3.16E-08	2.87E-08	1.31E-08	5.93E-09	0.00E+00	0.00E+00	5.03E-09	1.07E-09	6.81E-09	1.05E-09	4.59E-10	1.44E-08
5302	492363.09	3865877.25	4.29E-05	4.97E-05	2.25E-05	1.49E-08	4.49E-08	2.60E-08	3.00E-08	2.72E-08	1.24E-08	5.64E-09	0.00E+00	0.00E+00	4.78E-09	1.02E-09	6.47E-09	9.98E-10	4.37E-10	1.37E-08
5303	492863.09	3865877.25	3.62E-05	4.19E-05	1.91E-05	1.25E-08	3.79E-08	2.19E-08	2.53E-08	2.30E-08	1.05E-08	4.77E-09	0.00E+00	0.00E+00	4.03E-09	8.60E-10	5.46E-09	8.41E-10	3.70E-10	1.16E-08
5304	493363.09	3865877.25	3.88E-05	4.49E-05	2.05E-05	1.34E-08	4.06E-08	2.35E-08	2.72E-08	2.46E-08	1.12E-08	5.13E-09	0.00E+00	0.00E+00	4.32E-09	9.22E-10	5.85E-09	9.02E-10	3.97E-10	1.24E-08
5305	493863.09	3865877.25	4.42E-05	5.11E-05	2.33E-05	1.53E-08	4.62E-08	2.67E-08	3.09E-08	2.80E-08	1.28E-08	5.83E-09	0.00E+00	0.00E+00	4.92E-09	1.05E-09	6.66E-09	1.03E-09	4.51E-10	1.41E-08
5306	494363.09	3865877.25	4.45E-05	5.15E-05	2.35E-05	1.54E-08	4.65E-08	2.69E-08	3.11E-08	2.82E-08	1.29E-08	5.87E-09	0.00E+00	0.00E+00	4.96E-09	1.06E-09	6.71E-09	1.03E-09	4.55E-10	1.42E-08
5307	494863.09	3865877.25	4.42E-05	5.11E-05	2.33E-05	1.53E-08	4.62E-08	2.68E-08	3.09E-08	2.81E-08	1.28E-08	5.83E-09	0.00E+00	0.00E+00	4.92E-09	1.05E-09	6.67E-09	1.03E-09	4.51E-10	1.41E-08
5308	495363.09	3865877.25	4.55E-05	5.26E-05	2.39E-05	1.57E-08	4.75E-08	2.75E-08	3.18E-08	2.88E-08	1.32E-08	5.98E-09	0.00E+00	0.00E+00	5.06E-09	1.08E-09	6.85E-09	1.06E-09	4.63E-10	1.45E-08
5309	495863.09	3865877.25	4.77E-05	5.52E-05	2.51E-05	1.65E-08	4.99E-08	2.89E-08	3.34E-08	3.03E-08	1.38E-08	6.27E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.19E-09	1.11E-09	4.86E-10	1.52E-08
5310	496363.09	3865877.25	4.93E-05	5.70E-05	2.59E-05	1.71E-08	5.15E-08	2.98E-08	3.45E-08	3.13E-08	1.43E-08	6.48E-09	0.00E+00	0.00E+00	5.49E-09	1.17E-09	7.43E-09	1.15E-09	5.02E-10	1.57E-08
5311	496863.09	3865877.25	4.85E-05	5.61E-05	2.55E-05	1.68E-08	5.07E-08	2.93E-08	3.39E-08	3.08E-08	1.40E-08	6.38E-09	0.00E+00	0.00E+00	5.40E-09	1.15E-09	7.31E-09	1.13E-09	4.94E-10	1.55E-08
5312	497363.09	3865877.25	4.62E-05	5.34E-05	2.43E-05	1.60E-08	4.83E-08	2.79E-08	3.23E-08	2.93E-08	1.34E-08	6.08E-09	0.00E+00	0.00E+00	5.14E-09	1.10E-09	6.96E-09	1.07E-09	4.70E-10	1.47E-08
5313	497863.09	3865877.25	4.40E-05	5.08E-05	2.31E-05	1.52E-08	4.60E-08	2.66E-08	3.08E-08	2.79E-08	1.27E-08	5.79E-09	0.00E+00	0.00E+00	4.89E-09	1.04E-09	6.62E-09	1.02E-09	4.48E-10	1.40E-08
5314	498363.09	3865877.25	4.18E-05	4.83E-05	2.20E-05	1.45E-08	4.37E-08	2.53E-08	2.93E-08	2.65E-08	1.21E-08	5.50E-09	0.00E+00	0.00E+00	4.65E-09	9.93E-10	6.30E-09	9.72E-10	4.26E-10	1.33E-08
5315	471363.09	3866377.25	2.25E-05	2.60E-05	1.19E-05	7.78E-09	2.35E-08	1.36E-08	1.57E-08	1.42E-08	6.50E-09	2.99E-09	0.00E+00	0.00E+00	2.50E-09	5.33E-10	3.38E-09	5.22E-10	2.31E-10	7.17E-09
5316	471863.09	3866377.25	2.32E-05	2.68E-05	1.23E-05	8.04E-09	2.43E-08	1.41E-08	1.62E-08	1.47E-08	6.71E-09	3.09E-09	0.00E+00	0.00E+00	2.59E-09	5.51E-10	3.50E-09	5.39E-10	2.39E-10	7.41E-09
5317	472363.09	3866377.25	2.39E-05	2.76E-05	1.27E-05	8.27E-09	2.50E-08	1.45E-08	1.67E-08	1.51E-08	6.91E-09	3.17E-09	0.00E+00	0.00E+00	2.66E-09	5.67E-10	3.60E-09	5.55E-10	2.46E-10	7.62E-09
5318	472863.09	3866377.25	2.44E-05	2.81E-05	1.29E-05	8.44E-09	2.55E-08	1.47E-08	1.70E-08	1.54E-08	7.04E-09	3.23E-09	0.00E+00	0.00E+00	2.71E-09	5.78E-10	3.67E-09	5.66E-10	2.50E-10	7.77E-09
5319	473363.09	3866377.25	2.49E-05	2.88E-05	1.32E-05	8.63E-09	2.60E-08	1.51E-08	1.74E-08	1.58E-08	7.20E-09	3.31E-09	0.00E+00	0.00E+00	2.77E-09	5.91E-10	3.75E-09	5.78E-10	2.56E-10	7.95E-09
5320	473863.09	3866377.25	2.54E-05	2.93E-05	1.35E-05	8.79E-09	2.65E-08	1.54E-08	1.77E-08	1.61E-08	7.34E-09	3.37E-09	0.00E+00	0.00E+00	2.83E-09	6.02E-10	3.82E-09	5.90E-10	2.61E-10	8.10E-09
5321	474363.09	3866377.25	2.60E-05	3.01E-05	1.38E-05	9.01E-09	2.72E-08	1.57E-08	1.82E-08	1.65E-08	7.52E-09	3.45E-09	0.00E+00	0.00E+00	2.90E-09	6.17E-10	3.92E-09	6.04E-10	2.67E-10	8.30E-09
5322	474863.09	3866377.25	2.69E-05	3.11E-05	1.42E-05	9.32E-09	2.81E-08	1.63E-08	1.88E-08	1.71E-08	7.78E-09	3.57E-09	0.00E+00	0.00E+00	3.00E-09	6.39E-10	4.05E-09	6.25E-10	2.76E-10	8.59E-09
5323	475363.09	3866377.25	2.79E-05	3.22E-05	1.48E-05	9.66E-09	2.92E-08	1.69E-08	1.95E-08	1.77E-08	8.07E-09	3.70E-09	0.00E+00	0.00E+00	3.11E-09	6.62E-10	4.20E-09	6.48E-10	2.86E-10	8.91E-09
5324	475863.09	3866377.25	2.90E-05	3.35E-05	1.53E-05	1.00E-08	3.03E-08	1.75E-08	2.03E-08	1.84E-08	8.38E-09	3.84E-09	0.00E+00	0.00E+00	3.23E-09	6.88E-10	4.36E-09	6.73E-10	2.97E-10	9.25E-09
5325	476363.09	3866377.25	3.06E-05	3.54E-05	1.62E-05	1.06E-08	3.20E-08	1.85E-08	2.14E-08	1.94E-08	8.86E-09	4.05E-09	0.00E+00	0.00E+00	3.41E-09	7.27E-10	4.61E-09	7.11E-10	3.14E-10	9.77E-09
5326	476863.09	3866377.25	3.16E-05	3.65E-05	1.67E-05	1.09E-08	3.30E-08	1.91E-08	2.21E-08	2.00E-08	9.14E-09	4.19E-09	0.00E+00	0.00E+00	3.52E-09	7.50E-10	4.76E-09	7.34E-10	3.24E-10	1.01E-08
5327	477363.09	3866377.25	3.32E-05	3.83E-05	1.75E-05	1.15E-08	3.47E-08	2.01E-08	2.32E-08	2.10E-08	9.59E-09	4.38E-09	0.00E+00	0.00E+00	3.69E-09	7.87E-10	4.99E-09	7.70E-10	3.40E-10	1.06E-08
5328	477863.09	3866377.25	3.42E-05	3.95E-05	1.81E-05	1.18E-08	3.58E-08	2.07E-08	2.39E-08	2.17E-08	9.89E-09	4.52E-09	0.00E+00	0.00E+00	3.81E-09	8.12E-10	5.15E-09	7.94E-10	3.50E-10	1.09E-08
5329	478363.09	3866377.25	3.54E-05	4.09E-05	1.87E-05	1.22E-08	3.70E-08	2.14E-08	2.47E-08	2.24E-08	1.02E-08	4.67E-09	0.00E+00	0.00E+00	3.94E-09	8.40E-10	5.33E-09	8.22E-10	3.62E-10	1.13E-08
5330	478863.09	3866377.25	3.67E-05	4.24E-05	1.93E-05	1.27E-08	3.84E-08	2.22E-08	2.57E-08	2.33E-08	1.06E-08	4.84E-09	0.00E+00	0.00E+00	4.09E-09	8.72E-10	5.53E-09	8.53E-10	3.75E-10	1.17E-08
5331	479363.09	3866377.25	3.79E-05	4.38E-05	1.99E-05	1.31E-08	3.96E-08	2.29E-08	2.65E-08	2.40E-08	1.10E-08	4.99E-09	0.00E+00	0.00E+00	4.22E-09	8.99E-10	5.71E-09	8.80E-10	3.86E-10	1.21E-08
5332	479863.09	3866377.25	3.86E-05	4.47E-05	2.03E-05	1.34E-08	4.04E-08	2.34E-08	2.70E-08	2.45E-08	1.12E-08	5.08E-09	0.00E+00	0.00E+00	4.30E-09	9.17E-10	5.82E-09	8.98E-10	3.94E-10	1.23E-08
5333	480363.09	3866377.25	3.89E-05	4.50E-05	2.04E-05	1.35E-08	4.07E-08	2.35E-08	2.72E-08	2.47E-08	1.13E-08	5.12E-09	0.00E+00	0.00E+00	4.33E-09	9.24E-10	5.86E-09	9.04E-10	3.96E-10	1.24E-08
5334	480863.09	3866377.25	3.88E-05	4.49E-05	2.04E-05	1.34E-08	4.06E-08	2.35E-08	2.72E-08	2.46E-08	1.12E-08	5.10E-09	0.00E+00	0.00E+00	4.32E-09	9.22E-10	5.85E-09	9.02E-10	3.95E-10	1.24E-08
5335	481363.09	3866377.25	3.88E-05	4.49E-05	2.04E-05	1.34E-08	4.06E-08	2.35E-08	2.72E-08	2.46E-08	1.12E-08	5.10E-09	0.00E+00	0.00E+00	4.32E-09	9.22E-10	5.85E-09	9.03E-10	3.95E-10	1.24E-08
5336	481863.09	3866377.25	3.90E-05	4.51E-05	2.05E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.47E-08	1.13E-08	5.13E-09	0.00E+00	0.00E+00	4.34E-09	9.27E-10	5.88E-09	9.07E-10	3.97E-10	1.25E-08
5337	482363.09	3866377.25	3.91E-05	4.52E-05	2.06E-05	1.35E-08	4.09E-08	2.37E-08	2.74E-08	2.48E-08	1.13E-08	5.15E-09	0.00E+00	0.00E+00	4.36E-09	9.29E-10	5.90E-09	9.09E-10	3.98E-10	1.25E-08
5338	482863.09	3866377.25	3.90E-05	4.50E-05	2.05E-05	1.35E-08	4.07E-08	2.36E-08	2.72E-08	2.47E-08	1.13E-08	5.13E-09	0.00E+00	0.00E+00	4.34E-09	9.25E-10	5.87E-09	9.05E-10	3.97E-10	1.24E-08
5339	483363.09	3866377.25	3.93E-05	4.54E-05	2.07E-05	1.36E-08	4.10E-08	2.38E-08	2.75E-08	2.49E-08	1.14E-08	5.18E-09	0.00E+00	0.00E+00	4.37E-09	9.32E-10	5.91E-09	9.12E-10	4.01E-10	1.25E-08
5340	483863.09	3866377.25	4.02E-05	4.64E-05	2.11E-05	1.39E-08	4.20E-08	2.43E-08	2.81E-08	2.55E-08	1.16E-08	5.29E-09	0.00E+00	0.00E+00	4.47E-09	9.54E-10	6.05E-09	9.33E-10	4.10E-10	1.28E-08
5341	484363.09	3866377.25	4.02E-05	4.64E-05	2.11E-05	1.39E-08	4.20E-08	2.43E-08	2.81E-08	2.55E-08	1.16E-08	5.28E-09	0.00E+00	0.00E+00	4.47E-09	9.54E-10	6.05E-09	9.33E-10	4.09E-10	1.28E-08
5342	484863.09	3866377.25	3.93E-05	4.54E-05	2.06E-05	1.36E-08	4.10E-08	2.37E-08	2.75E-08	2.49E-08	1.14E-08	5.16E-09	0.00E+00	0.00E+00	4.37E-09	9.32E-10	5.92E-09	9.12E-10	3.99E-10	1.25E-08
5343	485363.09	3866377.25	3.77E-05	4.36E-05	1.98E-05	1.31E-08	3.94E-08	2.28E-08	2.64E-08	2.39E-08	1.09E-08	4.96E-09	0.00E+00	0.00E+00	4.20E-09	8.95E-10	5.68E-09	8.76E-10	3.84E-10	1.20E-08
5344	485863.09	3866377.25	3.63E-05	4.20E-05	1.91E-05	1.26E-08	3.80E-08	2.20E-08	2.54E-08	2.30E-08	1.05E-08	4.77E-09	0.00E+00	0.00E+00	4.04E-09	8.63E-10	5.47E-09	8.44E-10	3.70E-10	1.16E-08
5345	486363.09	3866377.25	3.50E-05	4.04E-05	1.84E-05	1.21E-08	3.65E-08	2.12E-08	2.45E-08	2.22E-08	1.01E-08	4.60E-09	0.00E+00	0.00E+00	3.89E-09	8.30E-10	5.27E-09	8.13E-10	3.56E-10	1.12E-08
5346	486863.09	3866377.25	3.40E-05	3.93E-05	1.79E-05	1.18E-08	3.56E-08	2.06E-08	2.38E-08	2.16E-08	9.85E-09	4.49E-09	0.00E+00	0.00E+00	3.79E-09	8.08E-10	5.13E-09	7.91E-10	3.47E-10	1.09E-08
5347	487363.09	3866377.25	3.50E-05	4.04E-05	1.85E-05	1.21E-08	3.66E-08	2.12E-08	2.45E-08	2.22E-08	1.01E-08	4.62E-09	0.00E+00	0.00E+00	3.89E-09	8.30E-10	5.27E-09	8.13E-10	3.58E-10	1.12E-08
5348	487863.09	3866377.25	3.73E-05	4.31E-05	1.96E-05	1.29E-08	3.89E-08	2.25E-08	2.61E-08	2.36E-08	1.08E-08	4.92E-09	0.00E+00	0.00E+00	4.15E-09	8.84E-10	5.61E-09	8.65E-10	3.81E-10	1.19E-08

5349	488363.09	3866377.25	3.90E-05	4.50E-05	2.05E-05	1.35E-08	4.07E-08	2.36E-08	2.72E-08	2.47E-08	1.13E-08	5.13E-09	0.00E+00	0.00E+00	4.34E-09	9.25E-10	5.87E-09	9.05E-10	3.97E-10	1.24E-08
5350	488863.09	3866377.25	4.02E-05	4.64E-05	2.11E-05	1.39E-08	4.20E-08	2.43E-08	2.81E-08	2.55E-08	1.16E-08	5.28E-09	0.00E+00	0.00E+00	4.47E-09	9.54E-10	6.05E-09	9.33E-10	4.09E-10	1.28E-08
5351	489363.09	3866377.25	3.98E-05	4.61E-05	2.09E-05	1.38E-08	4.16E-08	2.41E-08	2.79E-08	2.53E-08	1.15E-08	5.23E-09	0.00E+00	0.00E+00	4.43E-09	9.46E-10	6.00E-09	9.26E-10	4.05E-10	1.27E-08
5352	489863.09	3866377.25	3.85E-05	4.46E-05	2.02E-05	1.33E-08	4.03E-08	2.33E-08	2.70E-08	2.44E-08	1.12E-08	5.06E-09	0.00E+00	0.00E+00	4.29E-09	9.15E-10	5.81E-09	8.96E-10	3.92E-10	1.23E-08
5353	490363.09	3866377.25	3.68E-05	4.26E-05	1.94E-05	1.28E-08	3.85E-08	2.23E-08	2.58E-08	2.34E-08	1.07E-08	4.84E-09	0.00E+00	0.00E+00	4.10E-09	8.75E-10	5.55E-09	8.56E-10	3.75E-10	1.18E-08
5354	490863.09	3866377.25	3.65E-05	4.22E-05	1.92E-05	1.26E-08	3.82E-08	2.21E-08	2.55E-08	2.32E-08	1.06E-08	4.79E-09	0.00E+00	0.00E+00	4.06E-09	8.67E-10	5.50E-09	8.48E-10	3.71E-10	1.17E-08
5355	491363.09	3866377.25	3.83E-05	4.43E-05	2.01E-05	1.33E-08	4.01E-08	2.32E-08	2.68E-08	2.43E-08	1.11E-08	5.03E-09	0.00E+00	0.00E+00	4.27E-09	9.10E-10	5.78E-09	8.91E-10	3.89E-10	1.22E-08
5356	491863.09	3866377.25	4.11E-05	4.76E-05	2.16E-05	1.42E-08	4.30E-08	2.49E-08	2.88E-08	2.61E-08	1.19E-08	5.40E-09	0.00E+00	0.00E+00	4.58E-09	9.77E-10	6.20E-09	9.56E-10	4.18E-10	1.31E-08
5357	492363.09	3866377.25	4.13E-05	4.78E-05	2.17E-05	1.43E-08	4.32E-08	2.50E-08	2.89E-08	2.62E-08	1.20E-08	5.43E-09	0.00E+00	0.00E+00	4.60E-09	9.82E-10	6.23E-09	9.61E-10	4.20E-10	1.32E-08
5358	492863.09	3866377.25	3.70E-05	4.28E-05	1.95E-05	1.28E-08	3.87E-08	2.24E-08	2.59E-08	2.35E-08	1.07E-08	4.87E-09	0.00E+00	0.00E+00	4.12E-09	8.79E-10	5.58E-09	8.60E-10	3.77E-10	1.18E-08
5359	493363.09	3866377.25	3.76E-05	4.35E-05	1.98E-05	1.30E-08	3.93E-08	2.28E-08	2.63E-08	2.39E-08	1.09E-08	4.96E-09	0.00E+00	0.00E+00	4.19E-09	8.93E-10	5.67E-09	8.74E-10	3.84E-10	1.20E-08
5360	493863.09	3866377.25	4.12E-05	4.76E-05	2.17E-05	1.42E-08	4.30E-08	2.49E-08	2.88E-08	2.61E-08	1.19E-08	5.42E-09	0.00E+00	0.00E+00	4.58E-09	9.77E-10	6.20E-09	9.56E-10	4.20E-10	1.31E-08
5361	494363.09	3866377.25	4.26E-05	4.93E-05	2.24E-05	1.48E-08	4.45E-08	2.58E-08	2.98E-08	2.70E-08	1.23E-08	5.61E-09	0.00E+00	0.00E+00	4.74E-09	1.01E-09	6.42E-09	9.90E-10	4.35E-10	1.36E-08
5362	494863.09	3866377.25	4.11E-05	4.75E-05	2.16E-05	1.42E-08	4.29E-08	2.48E-08	2.87E-08	2.60E-08	1.19E-08	5.41E-09	0.00E+00	0.00E+00	4.57E-09	9.75E-10	6.19E-09	9.54E-10	4.19E-10	1.31E-08
5363	495363.09	3866377.25	3.86E-05	4.46E-05	2.03E-05	1.33E-08	4.03E-08	2.33E-08	2.70E-08	2.44E-08	1.12E-08	5.09E-09	0.00E+00	0.00E+00	4.29E-09	9.15E-10	5.81E-09	8.96E-10	3.94E-10	1.23E-08
5364	495863.09	3866377.25	4.06E-05	4.69E-05	2.14E-05	1.40E-08	4.24E-08	2.46E-08	2.84E-08	2.57E-08	1.17E-08	5.35E-09	0.00E+00	0.00E+00	4.52E-09	9.63E-10	6.11E-09	9.43E-10	4.14E-10	1.30E-08
5365	496363.09	3866377.25	4.47E-05	5.17E-05	2.35E-05	1.55E-08	4.67E-08	2.70E-08	3.13E-08	2.83E-08	1.29E-08	5.87E-09	0.00E+00	0.00E+00	4.97E-09	1.06E-09	6.73E-09	1.04E-09	4.55E-10	1.43E-08
5366	496863.09	3866377.25	4.52E-05	5.23E-05	2.38E-05	1.57E-08	4.73E-08	2.74E-08	3.17E-08	2.87E-08	1.31E-08	5.95E-09	0.00E+00	0.00E+00	5.04E-09	1.07E-09	6.82E-09	1.05E-09	4.61E-10	1.44E-08
5367	497363.09	3866377.25	4.46E-05	5.15E-05	2.34E-05	1.54E-08	4.66E-08	2.70E-08	3.12E-08	2.83E-08	1.29E-08	5.87E-09	0.00E+00	0.00E+00	4.96E-09	1.06E-09	6.71E-09	1.04E-09	4.54E-10	1.42E-08
5368	497863.09	3866377.25	4.28E-05	4.95E-05	2.25E-05	1.48E-08	4.48E-08	2.59E-08	3.00E-08	2.72E-08	1.24E-08	5.64E-09	0.00E+00	0.00E+00	4.77E-09	1.02E-09	6.45E-09	9.95E-10	4.37E-10	1.37E-08
5369	498363.09	3866377.25	3.88E-05	4.49E-05	2.04E-05	1.34E-08	4.06E-08	2.35E-08	2.72E-08	2.46E-08	1.12E-08	5.12E-09	0.00E+00	0.00E+00	4.32E-09	9.22E-10	5.85E-09	9.02E-10	3.96E-10	1.24E-08
5370	474494.92	3848334.16	2.64E-05	3.05E-05	1.39E-05	9.13E-09	2.76E-08	1.60E-08	1.84E-08	1.67E-08	7.63E-09	3.47E-09	0.00E+00	0.00E+00	2.94E-09	6.26E-10	3.97E-09	6.13E-10	2.69E-10	8.42E-09
5371	475167.27	3848920.79	3.00E-05	3.47E-05	1.58E-05	1.04E-08	3.13E-08	1.81E-08	2.10E-08	1.90E-08	8.68E-09	3.94E-09	0.00E+00	0.00E+00	3.34E-09	7.12E-10	4.52E-09	6.97E-10	3.05E-10	9.57E-09
5372	475297.89	3848997.96	3.05E-05	3.53E-05	1.60E-05	1.06E-08	3.19E-08	1.85E-08	2.14E-08	1.94E-08	8.84E-09	4.02E-09	0.00E+00	0.00E+00	3.40E-09	7.26E-10	4.60E-09	7.10E-10	3.11E-10	9.75E-09
5373	475439.05	3849062	3.05E-05	3.53E-05	1.60E-05	1.06E-08	3.19E-08	1.85E-08	2.14E-08	1.94E-08	8.84E-09	4.02E-09	0.00E+00	0.00E+00	3.40E-09	7.26E-10	4.60E-09	7.10E-10	3.11E-10	9.75E-09
5374	475486.86	3849061.09	3.04E-05	3.52E-05	1.60E-05	1.05E-08	3.18E-08	1.84E-08	2.13E-08	1.93E-08	8.80E-09	4.00E-09	0.00E+00	0.00E+00	3.38E-09	7.22E-10	4.58E-09	7.07E-10	3.09E-10	9.70E-09
5375	475538.46	3849075.56	3.06E-05	3.54E-05	1.61E-05	1.06E-08	3.20E-08	1.85E-08	2.14E-08	1.94E-08	8.85E-09	4.02E-09	0.00E+00	0.00E+00	3.40E-09	7.26E-10	4.61E-09	7.11E-10	3.11E-10	9.76E-09
5376	475751.79	3849137.15	3.16E-05	3.65E-05	1.66E-05	1.09E-08	3.30E-08	1.91E-08	2.21E-08	2.00E-08	9.14E-09	4.15E-09	0.00E+00	0.00E+00	3.52E-09	7.50E-10	4.76E-09	7.34E-10	3.21E-10	1.01E-08
5377	476303.62	3849223.38	3.26E-05	3.77E-05	1.71E-05	1.13E-08	3.41E-08	1.97E-08	2.28E-08	2.07E-08	9.44E-09	4.29E-09	0.00E+00	0.00E+00	3.63E-09	7.75E-10	4.92E-09	7.58E-10	3.32E-10	1.04E-08
5378	476304.51	3849238.92	3.28E-05	3.79E-05	1.72E-05	1.13E-08	3.42E-08	1.98E-08	2.29E-08	2.08E-08	9.48E-09	4.30E-09	0.00E+00	0.00E+00	3.65E-09	7.78E-10	4.94E-09	7.62E-10	3.33E-10	1.05E-08
5379	476365.04	3849247.98	3.28E-05	3.80E-05	1.72E-05	1.14E-08	3.43E-08	1.99E-08	2.30E-08	2.08E-08	9.51E-09	4.31E-09	0.00E+00	0.00E+00	3.66E-09	7.80E-10	4.95E-09	7.63E-10	3.34E-10	1.05E-08
5380	476444.86	3849267.13	3.29E-05	3.81E-05	1.73E-05	1.14E-08	3.44E-08	1.99E-08	2.30E-08	2.09E-08	9.53E-09	4.32E-09	0.00E+00	0.00E+00	3.66E-09	7.82E-10	4.96E-09	7.65E-10	3.35E-10	1.05E-08
5381	476550.75	3849300.66	3.32E-05	3.85E-05	1.75E-05	1.15E-08	3.47E-08	2.01E-08	2.33E-08	2.11E-08	9.62E-09	4.37E-09	0.00E+00	0.00E+00	3.70E-09	7.90E-10	5.01E-09	7.73E-10	3.38E-10	1.06E-08
5382	476656.71	3849346.88	3.36E-05	3.89E-05	1.76E-05	1.16E-08	3.51E-08	2.03E-08	2.35E-08	2.13E-08	9.73E-09	4.42E-09	0.00E+00	0.00E+00	3.74E-09	7.98E-10	5.07E-09	7.81E-10	3.42E-10	1.07E-08
5383	476873.55	3849454.53	3.45E-05	3.99E-05	1.81E-05	1.19E-08	3.61E-08	2.09E-08	2.41E-08	2.19E-08	9.99E-09	4.53E-09	0.00E+00	0.00E+00	3.84E-09	8.20E-10	5.20E-09	8.02E-10	3.51E-10	1.10E-08
5384	477700	3849859.7	3.77E-05	4.36E-05	1.98E-05	1.31E-08	3.94E-08	2.28E-08	2.64E-08	2.39E-08	1.09E-08	4.95E-09	0.00E+00	0.00E+00	4.20E-09	8.96E-10	5.69E-09	8.77E-10	3.84E-10	1.20E-08
5385	477743.16	3849856.38	3.74E-05	4.33E-05	1.96E-05	1.30E-08	3.91E-08	2.26E-08	2.62E-08	2.37E-08	1.08E-08	4.92E-09	0.00E+00	0.00E+00	4.17E-09	8.89E-10	5.64E-09	8.70E-10	3.81E-10	1.19E-08
5386	478477.35	3850216.33	3.97E-05	4.60E-05	2.08E-05	1.38E-08	4.15E-08	2.40E-08	2.78E-08	2.52E-08	1.15E-08	5.22E-09	0.00E+00	0.00E+00	4.42E-09	9.44E-10	5.99E-09	9.24E-10	4.04E-10	1.27E-08
5387	478485.8	3850201.6	3.95E-05	4.57E-05	2.07E-05	1.37E-08	4.13E-08	2.39E-08	2.76E-08	2.50E-08	1.14E-08	5.18E-09	0.00E+00	0.00E+00	4.39E-09	9.38E-10	5.95E-09	9.18E-10	4.01E-10	1.26E-08
5388	479113.21	3850501.53	4.51E-05	5.22E-05	2.37E-05	1.56E-08	4.72E-08	2.73E-08	3.16E-08	2.86E-08	1.31E-08	5.92E-09	0.00E+00	0.00E+00	5.02E-09	1.07E-09	6.80E-09	1.05E-09	4.58E-10	1.44E-08
5389	479108.11	3850382.28	4.49E-05	5.19E-05	2.35E-05	1.55E-08	4.69E-08	2.71E-08	3.14E-08	2.85E-08	1.30E-08	5.89E-09	0.00E+00	0.00E+00	4.99E-09	1.07E-09	6.76E-09	1.04E-09	4.56E-10	1.43E-08
5390	479689.85	3850674.28	5.29E-05	6.12E-05	2.77E-05	1.83E-08	5.53E-08	3.20E-08	3.71E-08	3.36E-08	1.53E-08	6.94E-09	0.00E+00	0.00E+00	5.89E-09	1.26E-09	7.98E-09	1.23E-09	5.37E-10	1.69E-08
5391	479952.42	3850774.28	6.04E-05	6.99E-05	3.16E-05	2.09E-08	6.32E-08	3.66E-08	4.23E-08	3.84E-08	1.75E-08	7.92E-09	0.00E+00	0.00E+00	6.73E-09	1.44E-09	9.11E-09	1.41E-09	6.13E-10	1.93E-08
5392	479911.32	3850884.85	5.76E-05	6.67E-05	3.02E-05	1.99E-08	6.02E-08	3.49E-08	4.03E-08	3.66E-08	1.67E-08	7.55E-09	0.00E+00	0.00E+00	6.41E-09	1.37E-09	8.69E-09	1.34E-09	5.85E-10	1.84E-08
5393	480500.92	3851178.12	7.45E-05	8.62E-05	3.89E-05	2.58E-08	7.78E-08	4.51E-08	5.22E-08	4.73E-08	2.16E-08	9.74E-09	0.00E+00	0.00E+00	8.29E-09	1.77E-09	1.12E-08	1.73E-09	7.55E-10	2.38E-08
5394	480738.01	3851289.27	8.29E-05	9.59E-05	4.33E-05	2.87E-08	8.66E-08	5.01E-08	5.80E-08	5.26E-08	2.40E-08	1.08E-08	0.00E+00	0.00E+00	9.22E-09	1.97E-09	1.25E-08	1.93E-09	8.39E-10	2.65E-08
5395	481055.42	3851443.58	9.42E-05	1.09E-04	4.92E-05	3.26E-08	9.85E-08	5.70E-08	6.60E-08	5.98E-08	2.73E-08	1.23E-08	0.00E+00	0.00E+00	1.05E-08	2.24E-09	1.42E-08	2.19E-09	9.54E-10	3.01E-08
5396	481110.22	3851443.15	9.61E-05	1.11E-04	5.02E-05	3.33E-08	1.00E-07	5.82E-08	6.73E-08	6.10E-08	2.78E-08	1.26E-08	0.00E+00	0.00E+00	1.07E-08	2.29E-09	1.45E-08	2.24E-09	9.73E-10	3.07E-08
5397	481111.1	3851417.45	9.61E-05	1.11E-04	5.02E-05	3.33E-08	1.00E-07	5.82E-08	6.73E-08	6.10E-08	2.78E-08	1.26E-08	0.00E+00	0.00E+00	1.07E-08	2.29E-09	1.45E-08	2.24E-09	9.73E-10	3.07E-08
5398	482248.44	3852605.09	1.50E-04	1.73E-04	7.81E-05	5.18E-08	1.57E-07	9.06E-08	1.05E-07	9.51E-08	4.34E-08	1.96E-08	0.00E+00	0.00E+00	1.67E-08	3.56E-09	2.26E-08	3.48E-09	1.51E-09	4.78E-08
5399	482273.34	3852632.31	1.52E-04	1.75E-04	7.91E-05	5.25E-08	1.58E-07	9.17E-08	1.06E-07	9.63E-08	4.39E-08	1.98E-08	0.00E+00	0.00E+00	1.69E-08	3.60E-09	2.29E-08	3.53E-09	1.53E-09	4.84E-08
5400	482665.46	3853038.72	1.85E-04	2.14E-04	9.66E-05	6.41E-08	1.93E-07	1.12E-07	1.30E-07	1.18E-07	5.36E-08	2.42E-08	0.00E+00	0.00E+00	2.06E-08	4.40E-09	2.79E-08	4.31E-09	1.87E-09	5.91E-08
5401	483077.95	3853844.31	2.41E-04	2.79E-04	1.26E-04	8.34E-08	2.52E-07	1.46E-07	1.69E-07	1.53E-07	6.98E-08	3.15E-08	0.00E+00	0.00E+00	2.68E-08	5.73E-09	3.64E-08	5.61E-09	2.44E-09	7.70E-08
5402	483121.38	3853909.38	2.53E-04	2.93E-04	1.32E-04	8.76E-08	2.64E-07	1.53E-07	1.77E-07	1.61E-07	7.33E-08	3.30E-08	0.00E+00	0.00E+00	2.82E-08	6.01E-09	3.82E-08	5.88E-09	2.56E-09	8.08E-08
5403	483492.64	3853911.49	3.41E-04	3.95E-04	1.78E-04	1.18E-07	3.57E-07	2.06E-07	2.39E-07	2.17E-07	9.89E-08	4.45E-08	0.00E+00	0.00E+00	3.80E-08	8.11E-09	5.15E-08	7.94E-09	3.45E-09	1.09E-07
5404	483498.29	3854204.73	3.60E-04	4.17E-04	1.88E-04	1.25E-07	3.76E-07	2.18E-07	2.52E-07	2.29E-07	1.04E-07	4.70E-08	0.00E+00	0.00E+00	4.01E-08	8.56E-09	5.43E-08	8.38E-09	3.64E-09	1.15E-07
5405	484132.44	3854662.55	5.66E-04	6.55E-04	2.96E-04	1.96E-07	5.91E-07	3.42E-07	3.96E-07	3.59E-07	1.64E-07	7.41E-08	0.00E+00	0.00E+00	6.30E-08	1.34E-08	8.53E-08	1.32E-08	5.74E-09	1.81E-07
5406	484627.62	3854876.13	1.04E-03	1.20E-03	5.42E-04	3.60E-07	1.09E-06	6.29E-07	7.28E-07	6.60E-07	3.01E-07	1.36E-07	0.00E+00	0.00E+00	1.16E-07	2.47E-08	1.57E-07	2.42E-08	1.05E-08	3.32E-07
5407	484756.14	3854949.04	1.38E-03	1.60E-03	7.20E-04	4.79E-07	1.45E-06	8.37E-07	9.69E-07	8.79E-07	4.01E-07	1.80E-07	0.00E+00	0.00E+00	1.54E-07	3.29E-08	2.09E-07	3.22E-08	1.40E-08	4.42E-07
5408	486697.51	3856599.17	1.82E-02	2.11E-02	9.45E-03	6.29E-06	1.90E-05	1.10E-05	1.27E-05	1.15E-05	5.27E-06	2.36E-06	0.00E+00	0.00E+00	2.02E-06	4.32E-07	2.74E-06	4.23E-07	1.83E-07	5.81E-06
5409	487105.31	3856962.27	1.94E-02	2.25E-02	1.01E-02	6.71E-06	2.03E-05	1.17E-05	1.36E-05	1.23E-05	5.62E-06	2.52E-06	0.00E+00	0.00E+00	2.16E-06	4.61E-07	2.93E-06	4.51E-07	1.95E-07	6.19E-06
5410	487157.57	3856901.7	1.48E-02	1.72E-02	7.70E-03	5.13E-06	1.55E-05	8.97E-06	1.04E-05	9.42E-06	4.30E-06	1.93E-06	0.00E+00	0.00E+00	1.65E-06	3.53E-07	2.24E-06	3.45E-07	1.49E-07	4.73E-06
5411	487173.5	3856853.74	1.32E-02	1.53E-02	6.86E-03	4.57E-06	1.38E-05	7.98E-06	9.25E-06	8.38E-06	3.82E-06	1.72E-06	0.00E+00	0.00E+00	1.47E-06	3.14E-07	1.99E-06	3.07E-07	1.33E-07	4.21E-06
5412	487564.41	3856860.83	7.67E-03	8.88E-03	3.99E-03	2.65E-06	8.02E-06	4.64E-06	5.37E-06	4.87E-06	2.22E-06	9.98E-07	0.00E+00	0.00E+00	8.54E-07	1.82E-07	1.16E-06	1.79E-07	7.73E-08	2.45E-06
5413	487563.31	3856931.58	7.71E-03	8.93E-03	4.01E-03	2.67E-06	8.06E-06	4.66E-06	5.40E-06	4.90E-06	2.23E-06	1.00E-06	0.00E+00	0.00E+00	8.58E-07	1.83E-07	1.16E-06	1.79E-07	7.76E-08	2.46E-06
5414	487782.7	3856926.85	5.93E-03	6.87E-03	3.08E-03	2.05E-06	6.20E-06	3.59E-06	4.15E-06	3.77E-06	1.72E-06	7.71E-07	0.00E+00	0.00E+00	6.60E-07	1.41E-07	8.95E-07	1.38E-07	5.97E-08	1.89E-06
5415	487782.39	3856757.07	5.95E-03	6.90E-03	3.10E-03	2.06E-06	6.22E-06	3.60E-06	4.17E-06	3.78E-06	1.73E-06	7.75E-07	0.00E+00	0.00E+00	6.63E-07	1.42E-07	8.99E-07	1.39E-07	6.00E-08	1.90E-06
5416	487917.26	3856752.41	5.29E-03	6.13E-03	2.75E-03	1.83E-06	5.53E-06	3.20E-06	3.71E-06	3.36E-06	1.53E-06	6.89E-07	0.00E+00	0.00E+00	5.89E-07	1.26E-07	7.99E-07	1.23E-07	5.33E-08	1.69E-06
5417	487919.57	3856953.35	5.07E-03	5.87E-03	2.64E-03	1.76E-06	5.30E-06	3.07E-06	3.55E-06	3.22E-06	1.47E-06	6.60E-07	0.00E+00	0.00E+00	5.65E-07	1.21E-07	7.66E-07	1.18E-07	5.11E-08	1.62E-06
5418	487932.76	3857000.32	4.84E-03	5.61E-03	2.52E-03	1.68E-06	5.06E-06	2.93E-06	3.39E-06	3.07E-06	1.40E-06	6.30E-07	0.00E+00	0.00E+00	5.39E-07	1.15E-07	7.31E-07	1.13E-07	4.88E-08	1.55E-06
5419	487960.5	3857044.75	4.52E-03	5.23E-03	2.35E-03	1.56E-06	4.72E-06	2.73E-06	3.17E-06	2.87E-06	1.31E-06	5.88E-07	0.00E+00	0.00E+00	5.03E-07	1.07E-07	6.82E-07	1.05E-07	4.55E-08	1.44E-06
5420	488016.54	3857089.54	4.09E-03	4.73E-03	2.13E-03	1.41E-06	4.27E-06	2.47E-06	2.86E-06	2.60E-06	1.18E-06	5.32E-07	0.00E+00	0.00E+00	4.55E-07	9.72E-08	6.17E-07	9.51E-08	4.12E-08	1.30E-06
5421	488114.39	3857165.47	3.43E-03	3.97E-03	1.78E-03	1.19E-06	3.58E-06	2.07E-06	2.40E-06	2.18E-06	9.93E-07	4.46E-07	0.00E+00	0.00E+00	3.82E-07	8.15E-08	5.17E-07	7.98E-08	3.46E-08	1.09E-06
5422	488171.49	3857234.24	2.99E-03	3.46E-03	1.55E-03	1.03E-06	3.12E-06	1.81E-06	2.09E-06	1.90E-06	8.66E-07	3.89E-07	0.00E+00	0.00E+00	3.32E-07	7.10E-08	4.51E-07	6.95E-08	3.01E-08	9.54E-07
5423	488193.16	3857297.8	2.67E-03	3.09E-03	1.39E-03	9.23E-07	2.79E-06	1.61E-06	1.87E-06	1.69E-06	7.73E-07	3.48E-07	0.00E+00	0.00E+00	2.97E-07	6.34E-08	4.02E-07	6.21E-08	2.69E-08	8.52E-07
5424	488189.27	3857649.94	1.45E-03	1.68E-03	7.59E-04	5.01E-07	1.51E-06	8.77E-07	1.01E-06	9.19E-07	4.19E-07	1.90E-07	0.00E+00	0.00E+00	1.61E-07	3.44E-08	2.18E-07	3.37E-08	1.47E-08	4.63E-07
5425	488127.43	3857732.32	1.26E-03	1.46E-03	6.65E-04	4.38E-07	1.32E-06	7.65E-07	8.84E-07	8.02E-07	3.66E-07	1.66E-07	0.00E+00	0.00E+00	1.41E-07	3.00E-08	1.91E-07	2.94E-08	1.29E-08	4.04E-07
5426	488149.93	3857752.94	1.22E-03	1.42E-03	6.45E-04	4.24E-07	1.28E-06	7.41E-07	8.56E-07	7.76E-07	3.54E-07	1.61E-07	0.00E+00	0.00E+00	1.36E-07	2.91E-08	1.84E-07	2.84E-08	1.25E-08	3.91E-07
5427	488144.76	3857758.71	1.21E-03	1.40E-03	6.39E-04	4.20E-07	1.27E-06	7.34E-07	8.49E-07	7.69E-07	3.51E-07	1.60E-07	0.00E+00	0.00E+00	1.35E-07	2.88E-08	1.83E-07	2.82E-08	1.24E-08	3.87E-07
5428	488335.58	3857932.55	1.26E-03	1.40E-03	8.23E-04	4.36E-07	1.32E-06	7.62E-07	8.49E-07	7.70E-07	3.51E-07	2.06E-07	0.00E+00	0.00E+00	1.40E-07	2.88E-08	1.83E-07	2.82E-08	1.60E-08	3.96E-07
5429	488372.29	3857943.79	1.24E-03	1.38E-03	8.09E-04	4.29E-07	1.29E-06	7.50E-07	8.35E-07	7.57E-07	3.45E-07	2.02E-07	0.00E+00	0.00E+00	1.38E-07	2.84E-08	1.80E-07	2.77E-08	1.57E-08	3.90E-07
5430	488828.64	3857936.4	1.03E-03	1.17E-03	5.87E-04	3.56E-07	1.08E-06	6.23E-07	7.11E-07	6.44E-07	2.94E-07	1.47E-07	0.00E+00	0.00E+00	1.15E-07	2.41E-08	1.53E-07	2.36E-08	1.14E-08	3.27E-07
5431	488829.08	3857959.58	1.00E-03	1.14E-03	5.70E-04	3.46E-07	1.05E-06	6.05E-07	6.91E-07	6.26E-07	2.86E-07	1.43E-07	0.00E+00	0.00E+00	1.11E-07	2.35E-08	1.49E-07	2.30E-08	1.11E-08	3.18E-07
5432	488351.61	3857964.55	1.25E-03	1.38E-03	8.28E-04	4.31E-07	1.30E-06	7.53E-07	8.37E-07	7.58E-07	3.46E-07	2.07E-07	0.00E+00	0.00E+00	1.39E-07	2.84E-08	1.80E-07	2.78E-08	1.60E-08	3.91E-07
5433	488316.87	3857947.65	1.28E-03	1.42E-03	8.49E-04	4.42E-07	1.33E-06	7.72E-07	8.58E-07	7.77E-07	3.55E-07	2.13E-07	0.00E+00	0.00E+00	1.42E-07	2.91E-08	1.85E-07	2.85E-08	1.65E-08	4.01E-07
5434	488129.1	3857775.77	1.18E-03	1.36E-03	6.23E-04	4.09E-07	1.23E-06	7.14E-07	8.26E-07	7.48E-07	3.42E-07	1.56E-07	0.00E+00	0.00E+00	1.31E-07	2.80E-08	1.78E-07	2.74E-08	1.21E-08	3.77E-07
5435	488062.53	3857846.13	1.06E-03	1.23E-03	5.65E-04	3.68E-07	1.11E-06	6.43E-07	7.43E-07	6.73E-07	3.07E-07	1.41E-07	0.00E+00	0.00E+00	1.18E-07	2.52E-08	1.60E-07	2.47E-08	1.09E-08	3.39E-07
5436	488330.41	3858091.34	9.09E-04	1.03E-03	5.49E-04	3.15E-07	9.50E-07	5.50E-07	6.22E-07	5.64E-07	2.57E-07	1.37E-07	0.00E+00	0.00E+00	1.01E-07	2.11E-08	1.34E-07	2.06E-08	1.06E-08	2.87E-07
5437	488470.87	3858174.45	7.45E-04	8.53E-04	4.20E-04	2.58E-07	7.79E-07	4.51E-07	5.16E-07	4.68E-07	2.13E-07	1.05E-07	0.00E+00	0.00E+00	8.30E-08	1.75E-08	1.11E-07	1.71E-08	8.13E-09	2.37E-07
5438	488568.9	3858262.31	6.48E-04	7.45E-04	3.54E-04	2.24E-07	6.78E-07	3.92E-07	4.51E-07	4.09E-07	1.87E-07	8.86E-08	0.00E+00	0.00E+00	7.22E-08	1.53E-08	9.71E-08	1.50E-08	6.86E-09	2.06E-07
5439	488964.27	3858025.71	9.00E-04	1.03E-03	5.02E-04	3.12E-07	9.41E-07	5.45E-07	6.24E-07	5.66E-07	2.58E-07	1.26E-07	0.00E+00	0.00E+00	1.00E-07	2.12E-08	1.34E-07	2.07E-08	9.73E-09	2.86E-07
5440	489147.25	3857956.64	9.58E-04	1.10E-03	5.28E-04	3.32E-07	1.00E-06	5.80E-07	6.66E-07	6.03E-07	2.75E-07	1.32E-07	0.00E+00	0.00E+00	1.07E-07	2.26E-08	1.43E-07	2.21E-08	1.02E-08	3.05E-07
5441	489343.52	3857932.45	9.59E-04	1.10E-03	5.22E-04	3.32E-07	1.00E-06	5.80E-07	6.67E-07	6.05E-07	2.76E-07	1.31E-07	0.00E+00	0.00E+00	1.07E-07	2.26E-08	1.44E-07	2.22E-08	1.01E-08	3.05E-07
5442	489866.19	3857923.19	8.93E-04	1.03E-03	4.79E-04	3.09E-07	9.33E-07	5.40E-07	6.23E-07	5.64E-07	2.57E-07	1.20E-07	0.00E+00	0.00E+00	9.94E-08	2.11E-08	1.34E-07	2.07E-08	9.29E-09	2.85E-07
5443	489955.65	3857902.27	8.95E-04	1.03E-03	4.80E-04	3.10E-07	9.36E-07	5.42E-07	6.25E-07	5.66E-07	2.58E-07	1.20E-07	0.00E+00	0.00E+00	9.97E-08	2.12E-08	1.35E-07	2.07E-08	9.30E-09	2.85E-07
5444	490079.44	3857847.9	9.11E-04	1.05E-03	4.87E-04	3.15E-07	9.52E-07	5.51E-07	6.35E-07	5.76E-07	2.63E-07	1.22E-07	0.00E+00	0.00E+00	1.01E-07	2.16E-08	1.37E-07	2.11E-08	9.44E-09	2.90E-07
5445	490108.49	3857934.13	8.50E-04	9.80E-04	4.55E-04	2.94E-07	8.88E-07	5.14E-07	5.93E-07	5.37E-07	2.45E-07	1.14E-07	0.00E+00	0.00E+00	9.46E-08	2.01E-08	1.28E-07	1.97E-08	8.81E-09	2.71E-07
5446	489884.48	3858014.17	8.27E-04	9.53E-04	4.44E-04	2.86E-07	8.64E-07	5.00E-07	5.77E-07	5.23E-07	2.39E-07	1.11E-07	0.00E+00	0.00E+00	9.21E-08	1.96E-08	1.24E-07	1.92E-08	8.60E-09	2.64E-07
5447	489326.56	3858025.86	8.74E-04	1.01E-03	4.76E-04	3.03E-07	9.14E-07	5.29E-07	6.09E-07	5.52E-07	2.52E-07	1.19E-07	0.00E+00	0.00E+00	9.73E-08	2.07E-08	1.31E-07	2.02E-08	9.22E-09	2.79E-07
5448	489130.38	3858056.71	8.60E-04	9.88E-04	4.72E-04	2.98E-07	8.99E-07	5.20E-07	5.98E-07	5.42E-07	2.47E-07	1.18E-07	0.00E+00	0.00E+00	9.57E-08	2.03E-08	1.29E-07	1.99E-08	9.14E-09	2.74E-07
5449	488936.49	3858143.93	7.68E-04	8.82E-04	4.23E-04	2.66E-07	8.03E-07	4.65E-07	5.33E-07	4.84E-07	2.21E-07	1.06E-07	0.00E+00	0.00E+00	8.55E-08	1.81E-08	1.15E-07	1.77E-08	8.19E-09	2.44E-07
5450	488638.08	3858327.45	6.02E-04	6.93E-04	3.25E-04	2.08E-07	6.29E-07	3.64E-07	4.20E-07	3.80E-07	1.74E-07	8.14E-08	0.00E+00	0.00E+00	6.70E-08	1.42E-08	9.04E-08	1.39E-08	6.30E-09	1.92E-07
5451	488663.79	3858349.57	5.89E-04	6.78E-04	3.17E-04	2.04E-07	6.16E-07	3.56E-07	4.11E-07	3.72E-07	1.70E-07	7.94E-08	0.00E+00	0.00E+00	6.56E-08	1.39E-08	8.84E-08	1.36E-08	6.15E-09	1.88E-07
5452	488694.56	3858349.5	5.88E-04	6.78E-04	3.17E-04	2.04E-07	6.15E-07	3.56E-07	4.10E-07	3.72E-07	1.70E-07	7.94E-08	0.00E+00	0.00E+00	6.55E-08	1.39E-08	8.83E-08	1.36E-08	6.15E-09	1.87E-07
5453	488694.35	3858336.75	5.96E-04	6.86E-04	3.22E-04	2.06E-07	6.23E-07	3.61E-07	4.15E-07	3.76E-07	1.72E-07	8.05E-08	0.00E+00	0.00E+00	6.63E-08	1.41E-08	8.94E-08	1.38E-08	6.24E-09	1.90E-07

5454	488712.81	3858336.38	5.96E-04	6.86E-04	3.22E-04	2.06E-07	6.23E-07	3.61E-07	4.15E-07	3.76E-07	1.72E-07	8.06E-08	0.00E+00	0.00E+00	6.63E-08	1.41E-08	8.94E-08	1.38E-08	6.24E-09	1.90E-07
5455	488713.23	3858367.46	5.78E-04	6.66E-04	3.11E-04	2.00E-07	6.04E-07	3.50E-07	4.03E-07	3.65E-07	1.67E-07	7.78E-08	0.00E+00	0.00E+00	6.43E-08	1.37E-08	8.68E-08	1.34E-08	6.03E-09	1.84E-07
5456	488704.63	3858384.05	5.69E-04	6.56E-04	3.06E-04	1.97E-07	5.95E-07	3.44E-07	3.97E-07	3.60E-07	1.64E-07	7.65E-08	0.00E+00	0.00E+00	6.34E-08	1.35E-08	8.55E-08	1.32E-08	5.92E-09	1.81E-07
5457	488604.15	3858488.29	5.30E-04	6.12E-04	2.82E-04	1.83E-07	5.54E-07	3.21E-07	3.70E-07	3.36E-07	1.53E-07	7.05E-08	0.00E+00	0.00E+00	5.90E-08	1.26E-08	7.97E-08	1.23E-08	5.46E-09	1.69E-07
5458	488605.66	3858550.47	5.08E-04	5.86E-04	2.69E-04	1.76E-07	5.31E-07	3.07E-07	3.55E-07	3.22E-07	1.47E-07	6.74E-08	0.00E+00	0.00E+00	5.65E-08	1.20E-08	7.64E-08	1.18E-08	5.22E-09	1.62E-07
5459	488692.68	3858548.71	5.03E-04	5.81E-04	2.67E-04	1.74E-07	5.26E-07	3.04E-07	3.51E-07	3.18E-07	1.45E-07	6.69E-08	0.00E+00	0.00E+00	5.60E-08	1.19E-08	7.57E-08	1.17E-08	5.18E-09	1.60E-07
5460	488759.93	3858461.81	5.32E-04	6.13E-04	2.84E-04	1.84E-07	5.56E-07	3.22E-07	3.71E-07	3.36E-07	1.53E-07	7.10E-08	0.00E+00	0.00E+00	5.92E-08	1.26E-08	7.99E-08	1.23E-08	5.50E-09	1.69E-07
5461	488816.57	3858541.79	4.99E-04	5.75E-04	2.65E-04	1.73E-07	5.21E-07	3.02E-07	3.48E-07	3.16E-07	1.44E-07	6.64E-08	0.00E+00	0.00E+00	5.55E-08	1.18E-08	7.50E-08	1.16E-08	5.14E-09	1.59E-07
5462	488944.63	3858656.77	4.57E-04	5.27E-04	2.43E-04	1.58E-07	4.77E-07	2.76E-07	3.19E-07	2.89E-07	1.32E-07	6.08E-08	0.00E+00	0.00E+00	5.09E-08	1.08E-08	6.87E-08	1.06E-08	4.71E-09	1.46E-07
5463	489134.91	3858830.7	4.06E-04	4.68E-04	2.16E-04	1.40E-07	4.24E-07	2.46E-07	2.83E-07	2.57E-07	1.17E-07	5.40E-08	0.00E+00	0.00E+00	4.52E-08	9.62E-09	6.11E-08	9.41E-09	4.18E-09	1.29E-07
5464	489193.99	3858886.05	3.92E-04	4.52E-04	2.09E-04	1.36E-07	4.10E-07	2.37E-07	2.74E-07	2.48E-07	1.13E-07	5.22E-08	0.00E+00	0.00E+00	4.36E-08	9.29E-09	5.90E-08	9.09E-09	4.05E-09	1.25E-07
5465	489295.2	3858954.34	3.74E-04	4.32E-04	2.00E-04	1.30E-07	3.91E-07	2.27E-07	2.61E-07	2.37E-07	1.08E-07	5.00E-08	0.00E+00	0.00E+00	4.17E-08	8.87E-09	5.63E-08	8.68E-09	3.87E-09	1.19E-07
5466	489295.64	3858992.74	3.68E-04	4.25E-04	1.96E-04	1.27E-07	3.85E-07	2.23E-07	2.57E-07	2.33E-07	1.06E-07	4.91E-08	0.00E+00	0.00E+00	4.10E-08	8.72E-09	5.53E-08	8.53E-09	3.81E-09	1.17E-07
5467	489183.74	3858911.72	3.88E-04	4.48E-04	2.07E-04	1.34E-07	4.06E-07	2.35E-07	2.71E-07	2.46E-07	1.12E-07	5.17E-08	0.00E+00	0.00E+00	4.32E-08	9.20E-09	5.84E-08	9.00E-09	4.01E-09	1.24E-07
5468	488873.37	3858625.59	4.69E-04	5.42E-04	2.49E-04	1.63E-07	4.91E-07	2.84E-07	3.28E-07	2.97E-07	1.36E-07	6.24E-08	0.00E+00	0.00E+00	5.23E-08	1.11E-08	7.06E-08	1.09E-08	4.83E-09	1.50E-07
5469	488842.84	3858658.69	4.62E-04	5.33E-04	2.45E-04	1.60E-07	4.83E-07	2.79E-07	3.23E-07	2.92E-07	1.33E-07	6.13E-08	0.00E+00	0.00E+00	5.14E-08	1.09E-08	6.95E-08	1.07E-08	4.75E-09	1.47E-07
5470	488856.39	3858670.93	4.58E-04	5.29E-04	2.43E-04	1.59E-07	4.79E-07	2.77E-07	3.20E-07	2.90E-07	1.32E-07	6.09E-08	0.00E+00	0.00E+00	5.10E-08	1.09E-08	6.89E-08	1.06E-08	4.71E-09	1.46E-07
5471	488805.7	3858724.5	4.47E-04	5.16E-04	2.37E-04	1.55E-07	4.67E-07	2.70E-07	3.12E-07	2.83E-07	1.29E-07	5.94E-08	0.00E+00	0.00E+00	4.98E-08	1.06E-08	6.73E-08	1.04E-08	4.60E-09	1.43E-07
5472	488805.87	3858804.16	4.27E-04	4.93E-04	2.27E-04	1.48E-07	4.46E-07	2.58E-07	2.98E-07	2.70E-07	1.23E-07	5.67E-08	0.00E+00	0.00E+00	4.75E-08	1.01E-08	6.42E-08	9.91E-09	4.39E-09	1.36E-07
5473	488995.78	3858936.96	3.92E-04	4.52E-04	2.09E-04	1.36E-07	4.10E-07	2.37E-07	2.74E-07	2.48E-07	1.13E-07	5.23E-08	0.00E+00	0.00E+00	4.36E-08	9.29E-09	5.90E-08	9.09E-09	4.05E-09	1.25E-07
5474	489130.76	3859017.38	3.73E-04	4.30E-04	1.99E-04	1.29E-07	3.90E-07	2.26E-07	2.60E-07	2.36E-07	1.08E-07	4.98E-08	0.00E+00	0.00E+00	4.15E-08	8.84E-09	5.61E-08	8.65E-09	3.86E-09	1.19E-07
5475	489130.92	3859052.24	3.67E-04	4.24E-04	1.96E-04	1.27E-07	3.84E-07	2.22E-07	2.56E-07	2.32E-07	1.06E-07	4.91E-08	0.00E+00	0.00E+00	4.09E-08	8.70E-09	5.52E-08	8.51E-09	3.80E-09	1.17E-07
5476	489200.33	3859090.6	3.58E-04	4.13E-04	1.92E-04	1.24E-07	3.74E-07	2.17E-07	2.50E-07	2.27E-07	1.03E-07	4.80E-08	0.00E+00	0.00E+00	3.99E-08	8.48E-09	5.38E-08	8.30E-09	3.71E-09	1.14E-07
5477	489296.07	3859143.7	3.46E-04	3.99E-04	1.85E-04	1.20E-07	3.62E-07	2.09E-07	2.41E-07	2.19E-07	9.98E-08	4.64E-08	0.00E+00	0.00E+00	3.85E-08	8.19E-09	5.20E-08	8.02E-09	3.59E-09	1.10E-07
5478	489296.43	3858954.74	3.74E-04	4.32E-04	2.00E-04	1.30E-07	3.91E-07	2.26E-07	2.61E-07	2.37E-07	1.08E-07	4.99E-08	0.00E+00	0.00E+00	4.17E-08	8.87E-09	5.63E-08	8.68E-09	3.87E-09	1.19E-07
5479	489410.33	3859033.19	3.56E-04	4.10E-04	1.90E-04	1.23E-07	3.72E-07	2.15E-07	2.48E-07	2.25E-07	1.03E-07	4.76E-08	0.00E+00	0.00E+00	3.96E-08	8.43E-09	5.35E-08	8.25E-09	3.68E-09	1.13E-07
5480	489371.37	3859089.8	3.49E-04	4.03E-04	1.87E-04	1.21E-07	3.65E-07	2.11E-07	2.44E-07	2.21E-07	1.01E-07	4.68E-08	0.00E+00	0.00E+00	3.89E-08	8.28E-09	5.25E-08	8.10E-09	3.62E-09	1.11E-07
5481	489390.52	3859102.82	3.47E-04	4.00E-04	1.85E-04	1.20E-07	3.62E-07	2.10E-07	2.42E-07	2.19E-07	1.00E-07	4.64E-08	0.00E+00	0.00E+00	3.86E-08	8.21E-09	5.21E-08	8.03E-09	3.59E-09	1.11E-07
5482	489382.3	3859114.53	3.46E-04	3.99E-04	1.85E-04	1.20E-07	3.61E-07	2.09E-07	2.41E-07	2.19E-07	9.97E-08	4.63E-08	0.00E+00	0.00E+00	3.85E-08	8.18E-09	5.19E-08	8.01E-09	3.58E-09	1.10E-07
5483	489363.04	3859102.45	3.48E-04	4.02E-04	1.86E-04	1.21E-07	3.64E-07	2.11E-07	2.43E-07	2.20E-07	1.01E-07	4.66E-08	0.00E+00	0.00E+00	3.88E-08	8.25E-09	5.23E-08	8.07E-09	3.61E-09	1.11E-07
5484	489337.52	3859140.71	3.44E-04	3.97E-04	1.84E-04	1.19E-07	3.60E-07	2.08E-07	2.40E-07	2.18E-07	9.94E-08	4.62E-08	0.00E+00	0.00E+00	3.83E-08	8.15E-09	5.17E-08	7.98E-09	3.58E-09	1.10E-07
5485	489375.14	3859164.55	3.39E-04	3.91E-04	1.82E-04	1.17E-07	3.55E-07	2.05E-07	2.37E-07	2.15E-07	9.79E-08	4.55E-08	0.00E+00	0.00E+00	3.78E-08	8.03E-09	5.10E-08	7.86E-09	3.53E-09	1.08E-07
5486	489409.3	3859114.5	3.44E-04	3.97E-04	1.84E-04	1.19E-07	3.60E-07	2.08E-07	2.40E-07	2.18E-07	9.93E-08	4.61E-08	0.00E+00	0.00E+00	3.83E-08	8.15E-09	5.17E-08	7.97E-09	3.57E-09	1.10E-07
5487	489434.87	3859131.81	3.41E-04	3.93E-04	1.82E-04	1.18E-07	3.56E-07	2.06E-07	2.38E-07	2.15E-07	9.83E-08	4.56E-08	0.00E+00	0.00E+00	3.79E-08	8.06E-09	5.12E-08	7.89E-09	3.53E-09	1.09E-07
5488	489471.87	3859075.75	3.47E-04	4.00E-04	1.85E-04	1.20E-07	3.62E-07	2.10E-07	2.42E-07	2.19E-07	1.00E-07	4.64E-08	0.00E+00	0.00E+00	3.86E-08	8.21E-09	5.21E-08	8.03E-09	3.59E-09	1.11E-07
5489	489602.62	3859164.69	3.28E-04	3.78E-04	1.76E-04	1.14E-07	3.43E-07	1.98E-07	2.29E-07	2.07E-07	9.46E-08	4.39E-08	0.00E+00	0.00E+00	3.65E-08	7.77E-09	4.93E-08	7.60E-09	3.40E-09	1.05E-07
5490	489558.29	3859232.45	3.22E-04	3.71E-04	1.73E-04	1.11E-07	3.36E-07	1.95E-07	2.24E-07	2.03E-07	9.28E-08	4.32E-08	0.00E+00	0.00E+00	3.58E-08	7.61E-09	4.83E-08	7.45E-09	3.34E-09	1.03E-07
5491	489620.11	3859273.56	3.13E-04	3.61E-04	1.68E-04	1.08E-07	3.27E-07	1.90E-07	2.19E-07	1.98E-07	9.04E-08	4.21E-08	0.00E+00	0.00E+00	3.49E-08	7.42E-09	4.71E-08	7.26E-09	3.26E-09	9.99E-08
5492	489666.06	3859206.42	3.19E-04	3.68E-04	1.71E-04	1.11E-07	3.34E-07	1.93E-07	2.23E-07	2.02E-07	9.21E-08	4.28E-08	0.00E+00	0.00E+00	3.55E-08	7.56E-09	4.80E-08	7.40E-09	3.32E-09	1.02E-07
5493	489787.9	3859285.65	3.04E-04	3.50E-04	1.63E-04	1.05E-07	3.18E-07	1.84E-07	2.12E-07	1.92E-07	8.77E-08	4.08E-08	0.00E+00	0.00E+00	3.38E-08	7.20E-09	4.57E-08	7.04E-09	3.16E-09	9.69E-08
5494	489752.17	3859343.13	2.99E-04	3.45E-04	1.60E-04	1.03E-07	3.12E-07	1.81E-07	2.08E-07	1.89E-07	8.62E-08	4.01E-08	0.00E+00	0.00E+00	3.33E-08	7.08E-09	4.49E-08	6.92E-09	3.11E-09	9.53E-08
5495	489814.94	3859385.33	2.91E-04	3.36E-04	1.56E-04	1.01E-07	3.05E-07	1.76E-07	2.03E-07	1.84E-07	8.41E-08	3.91E-08	0.00E+00	0.00E+00	3.24E-08	6.90E-09	4.38E-08	6.75E-09	3.03E-09	9.29E-08
5496	489853.42	3859330.74	2.96E-04	3.41E-04	1.59E-04	1.02E-07	3.09E-07	1.79E-07	2.06E-07	1.87E-07	8.54E-08	3.97E-08	0.00E+00	0.00E+00	3.29E-08	7.00E-09	4.44E-08	6.85E-09	3.07E-09	9.43E-08
5497	489969.5	3859401.91	2.83E-04	3.26E-04	1.52E-04	9.80E-08	2.96E-07	1.71E-07	1.98E-07	1.79E-07	8.17E-08	3.80E-08	0.00E+00	0.00E+00	3.15E-08	6.71E-09	4.25E-08	6.56E-09	2.94E-09	9.03E-08
5498	490166.91	3859486.96	2.67E-04	3.07E-04	1.43E-04	9.23E-08	2.79E-07	1.61E-07	1.86E-07	1.69E-07	7.70E-08	3.57E-08	0.00E+00	0.00E+00	2.97E-08	6.32E-09	4.01E-08	6.18E-09	2.77E-09	8.50E-08
5499	490128.86	3859571.46	2.59E-04	2.98E-04	1.39E-04	8.95E-08	2.70E-07	1.56E-07	1.80E-07	1.64E-07	7.46E-08	3.47E-08	0.00E+00	0.00E+00	2.88E-08	6.12E-09	3.89E-08	5.99E-09	2.69E-09	8.24E-08
5500	490186.65	3859593.65	2.54E-04	2.93E-04	1.36E-04	8.81E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.34E-08	3.41E-08	0.00E+00	0.00E+00	2.83E-08	6.03E-09	3.82E-08	5.90E-09	2.64E-09	8.11E-08
5501	490223.74	3859517.48	2.62E-04	3.02E-04	1.40E-04	9.06E-08	2.74E-07	1.58E-07	1.83E-07	1.66E-07	7.55E-08	3.51E-08	0.00E+00	0.00E+00	2.91E-08	6.20E-09	3.93E-08	6.07E-09	2.71E-09	8.35E-08
5502	490846.34	3859817.22	2.23E-04	2.57E-04	1.18E-04	7.70E-08	2.33E-07	1.35E-07	1.55E-07	1.41E-07	6.43E-08	2.96E-08	0.00E+00	0.00E+00	2.48E-08	5.27E-09	3.35E-08	5.16E-09	2.30E-09	7.10E-08
5503	490925.65	3859844.59	2.20E-04	2.53E-04	1.17E-04	7.60E-08	2.30E-07	1.33E-07	1.53E-07	1.39E-07	6.34E-08	2.92E-08	0.00E+00	0.00E+00	2.44E-08	5.21E-09	3.30E-08	5.09E-09	2.26E-09	7.00E-08
5504	491159.29	3859896.28	2.13E-04	2.46E-04	1.13E-04	7.37E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.15E-08	2.83E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.20E-08	4.94E-09	2.19E-09	6.79E-08
5505	491370.69	3859960.89	2.05E-04	2.37E-04	1.09E-04	7.09E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.92E-08	2.72E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.08E-08	4.76E-09	2.11E-09	6.54E-08
5506	491330.28	3860063.17	1.93E-04	2.23E-04	1.02E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.57E-08	2.56E-08	0.00E+00	0.00E+00	2.15E-08	4.57E-09	2.90E-08	4.48E-09	1.98E-09	6.15E-08
5507	491636.45	3860180.75	1.83E-04	2.12E-04	9.70E-05	6.34E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.43E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.25E-09	1.88E-09	5.84E-08
5508	491617.94	3860203.93	1.81E-04	2.09E-04	9.58E-05	6.26E-08	1.89E-07	1.09E-07	1.26E-07	1.15E-07	5.23E-08	2.40E-08	0.00E+00	0.00E+00	2.01E-08	4.29E-09	2.72E-08	4.20E-09	1.86E-09	5.77E-08
5509	491805.68	3860271.59	1.76E-04	2.03E-04	9.29E-05	6.08E-08	1.84E-07	1.06E-07	1.23E-07	1.11E-07	5.08E-08	2.33E-08	0.00E+00	0.00E+00	1.95E-08	4.17E-09	2.64E-08	4.08E-09	1.80E-09	5.60E-08
5510	491654.23	3860414.02	1.65E-04	1.90E-04	8.70E-05	5.70E-08	1.72E-07	9.96E-08	1.15E-07	1.04E-07	4.76E-08	2.18E-08	0.00E+00	0.00E+00	1.83E-08	3.90E-09	2.48E-08	3.82E-09	1.69E-09	5.25E-08
5511	491592.62	3860510.76	1.58E-04	1.82E-04	8.33E-05	5.46E-08	1.65E-07	9.54E-08	1.10E-07	9.99E-08	4.56E-08	2.08E-08	0.00E+00	0.00E+00	1.75E-08	3.74E-09	2.37E-08	3.66E-09	1.61E-09	5.03E-08
5512	491475.41	3860368.93	1.67E-04	1.92E-04	8.81E-05	5.76E-08	1.74E-07	1.01E-07	1.16E-07	1.06E-07	4.81E-08	2.20E-08	0.00E+00	0.00E+00	1.85E-08	3.95E-09	2.51E-08	3.87E-09	1.71E-09	5.31E-08
5513	491445.61	3860337.28	1.69E-04	1.95E-04	8.93E-05	5.84E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.88E-08	2.24E-08	0.00E+00	0.00E+00	1.88E-08	4.00E-09	2.54E-08	3.92E-09	1.73E-09	5.38E-08
5514	491399.05	3860300.37	1.72E-04	1.98E-04	9.10E-05	5.95E-08	1.80E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.28E-08	0.00E+00	0.00E+00	1.91E-08	4.08E-09	2.59E-08	3.99E-09	1.76E-09	5.48E-08
5515	491228.84	3860235.98	1.78E-04	2.05E-04	9.41E-05	6.14E-08	1.86E-07	1.07E-07	1.24E-07	1.12E-07	5.13E-08	2.35E-08	0.00E+00	0.00E+00	1.98E-08	4.21E-09	2.67E-08	4.12E-09	1.82E-09	5.66E-08
5516	491228.47	3860174.57	1.82E-04	2.11E-04	9.68E-05	6.32E-08	1.91E-07	1.10E-07	1.27E-07	1.16E-07	5.27E-08	2.42E-08	0.00E+00	0.00E+00	2.03E-08	4.33E-09	2.75E-08	4.23E-09	1.87E-09	5.82E-08
5517	491145.77	3860112.55	1.89E-04	2.18E-04	1.00E-04	6.53E-08	1.97E-07	1.14E-07	1.32E-07	1.20E-07	5.45E-08	2.51E-08	0.00E+00	0.00E+00	2.10E-08	4.47E-09	2.84E-08	4.38E-09	1.94E-09	6.02E-08
5518	490844.41	3859966.22	2.07E-04	2.38E-04	1.10E-04	7.15E-08	2.16E-07	1.25E-07	1.44E-07	1.31E-07	5.97E-08	2.75E-08	0.00E+00	0.00E+00	2.30E-08	4.90E-09	3.11E-08	4.79E-09	2.13E-09	6.59E-08
5519	490845.55	3859928.15	2.10E-04	2.42E-04	1.12E-04	7.27E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.80E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.87E-09	2.17E-09	6.70E-08
5520	490046.91	3859625.6	2.57E-04	2.96E-04	1.38E-04	8.90E-08	2.69E-07	1.56E-07	1.79E-07	1.63E-07	7.42E-08	3.45E-08	0.00E+00	0.00E+00	2.86E-08	6.09E-09	3.86E-08	5.96E-09	2.67E-09	8.20E-08
5521	489970.48	3859589.4	2.64E-04	3.04E-04	1.42E-04	9.14E-08	2.76E-07	1.60E-07	1.84E-07	1.67E-07	7.62E-08	3.55E-08	0.00E+00	0.00E+00	2.94E-08	6.25E-09	3.97E-08	6.12E-09	2.75E-09	8.42E-08
5522	489865.89	3859529.06	2.75E-04	3.17E-04	1.48E-04	9.52E-08	2.87E-07	1.66E-07	1.92E-07	1.74E-07	7.93E-08	3.70E-08	0.00E+00	0.00E+00	3.06E-08	6.51E-09	4.13E-08	6.37E-09	2.86E-09	8.76E-08
5523	489826.89	3859531.74	2.77E-04	3.19E-04	1.49E-04	9.57E-08	2.89E-07	1.67E-07	1.93E-07	1.75E-07	7.98E-08	3.72E-08	0.00E+00	0.00E+00	3.08E-08	6.54E-09	4.15E-08	6.40E-09	2.88E-09	8.81E-08
5524	489410.47	3859303.06	3.20E-04	3.68E-04	1.72E-04	1.11E-07	3.34E-07	1.93E-07	2.23E-07	2.02E-07	9.22E-08	4.31E-08	0.00E+00	0.00E+00	3.56E-08	7.56E-09	4.80E-08	7.40E-09	3.33E-09	1.02E-07
5525	489407.15	3859286.09	3.22E-04	3.71E-04	1.73E-04	1.11E-07	3.37E-07	1.95E-07	2.24E-07	2.03E-07	9.28E-08	4.34E-08	0.00E+00	0.00E+00	3.58E-08	7.62E-09	4.83E-08	7.46E-09	3.36E-09	1.03E-07
5526	488806.07	3858963.62	3.87E-04	4.46E-04	2.06E-04	1.34E-07	4.04E-07	2.34E-07	2.70E-07	2.45E-07	1.12E-07	5.16E-08	0.00E+00	0.00E+00	4.31E-08	9.17E-09	5.82E-08	8.97E-09	4.00E-09	1.23E-07
5527	488817.64	3859546.3	2.81E-04	3.22E-04	1.58E-04	9.74E-08	2.94E-07	1.70E-07	1.95E-07	1.76E-07	8.05E-08	3.96E-08	0.00E+00	0.00E+00	3.13E-08	6.61E-09	4.19E-08	6.47E-09	3.07E-09	8.94E-08
5528	489187.25	3859549.52	2.82E-04	3.23E-04	1.55E-04	9.75E-08	2.94E-07	1.70E-07	1.96E-07	1.77E-07	8.10E-08	3.88E-08	0.00E+00	0.00E+00	3.14E-08	6.64E-09	4.22E-08	6.50E-09	3.00E-09	8.97E-08
5529	489187.66	3859523.74	2.86E-04	3.28E-04	1.57E-04	9.89E-08	2.99E-07	1.73E-07	1.99E-07	1.80E-07	8.21E-08	3.93E-08	0.00E+00	0.00E+00	3.18E-08	6.74E-09	4.28E-08	6.60E-09	3.04E-09	9.10E-08
5530	489232.59	3859522.85	2.87E-04	3.30E-04	1.57E-04	9.93E-08	3.00E-07	1.74E-07	1.99E-07	1.81E-07	8.25E-08	3.93E-08	0.00E+00	0.00E+00	3.19E-08	6.77E-09	4.30E-08	6.62E-09	3.04E-09	9.13E-08
5531	489224.98	3859759.91	2.50E-04	2.87E-04	1.38E-04	8.66E-08	2.61E-07	1.51E-07	1.74E-07	1.57E-07	7.18E-08	3.46E-08	0.00E+00	0.00E+00	2.78E-08	5.89E-09	3.74E-08	5.77E-09	2.68E-09	7.96E-08
5532	488401.39	3859763.34	2.68E-04	3.03E-04	1.62E-04	9.27E-08	2.80E-07	1.62E-07	1.83E-07	1.66E-07	7.58E-08	4.06E-08	0.00E+00	0.00E+00	2.98E-08	6.22E-09	3.94E-08	6.08E-09	3.15E-09	8.47E-08
5533	488405.51	3859966.16	2.12E-04	2.43E-04	1.17E-04	7.34E-08	2.22E-07	1.28E-07	1.47E-07	1.34E-07	6.09E-08	2.93E-08	0.00E+00	0.00E+00	2.36E-08	5.00E-09	3.17E-08	4.89E-09	2.27E-09	6.75E-08
5534	489202.85	3859956.57	2.25E-04	2.58E-04	1.24E-04	7.78E-08	2.35E-07	1.36E-07	1.56E-07	1.42E-07	6.46E-08	3.11E-08	0.00E+00	0.00E+00	2.50E-08	5.30E-09	3.36E-08	5.18E-09	2.41E-09	7.15E-08
5535	489191.9	3860676.74	1.54E-04	1.78E-04	8.18E-05	5.33E-08	1.61E-07	9.32E-08	1.08E-07	9.76E-08	4.45E-08	2.05E-08	0.00E+00	0.00E+00	1.72E-08	3.65E-09	2.32E-08	3.58E-09	1.59E-09	4.91E-08
5536	488392.82	3860687.88	1.46E-04	1.69E-04	7.76E-05	5.05E-08	1.53E-07	8.84E-08	1.02E-07	9.25E-08	4.22E-08	1.94E-08	0.00E+00	0.00E+00	1.63E-08	3.46E-09	2.20E-08	3.39E-09	1.50E-09	4.66E-08
5537	488392.82	3860760.27	1.42E-04	1.64E-04	7.53E-05	4.92E-08	1.49E-07	8.60E-08	9.93E-08	9.00E-08	4.11E-08	1.89E-08	0.00E+00	0.00E+00	1.58E-08	3.37E-09	2.14E-08	3.30E-09	1.46E-09	4.53E-08
5538	487549.05	3860777.45	1.36E-04	1.57E-04	7.16E-05	4.70E-08	1.42E-07	8.22E-08	9.50E-08	8.61E-08	3.93E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.22E-09	2.05E-08	3.16E-09	1.39E-09	4.33E-08
5539	487554.62	3859571.83	2.35E-04	2.71E-04	1.25E-04	8.14E-08	2.46E-07	1.42E-07	1.64E-07	1.49E-07	6.79E-08	3.14E-08	0.00E+00	0.00E+00	2.62E-08	5.57E-09	3.54E-08	5.45E-09	2.43E-09	7.50E-08
5540	485949.46	3859558.54	2.29E-04	2.65E-04	1.20E-04	7.93E-08	2.39E-07	1.39E-07	1.60E-07	1.45E-07	6.63E-08	3.01E-08	0.00E+00	0.00E+00	2.55E-08	5.44E-09	3.45E-08	5.32E-09	2.33E-09	7.31E-08
5541	485947.55	3857943.61	7.16E-04	8.29E-04	3.74E-04	2.48E-07	7.49E-07	4.33E-07	5.02E-07	4.55E-07	2.08E-07	9.36E-08	0.00E+00	0.00E+00	7.97E-08	1.70E-08	1.08E-07	1.67E-08	7.25E-09	2.29E-07
5542	484738.38	3857940.21	5.44E-04	6.30E-04	2.84E-04	1.88E-07	5.69E-07	3.29E-07	3.81E-07	3.46E-07	1.58E-07	7.11E-08	0.00E+00	0.00E+00	6.06E-08	1.29E-08	8.21E-08	1.27E-08	5.50E-09	1.74E-07
5543	484737.06	3857535.68	7.01E-04	8.11E-04	3.65E-04	2.43E-07	7.32E-07	4.24E-07	4.91E-07	4.45E-07	2.03E-07	9.14E-08	0.00E+00	0.00E+00	7.80E-08	1.67E-08	1.06E-07	1.63E-08	7.08E-09	2.24E-07
5544	483730.2	3857530.13	4.90E-04	5.67E-04	2.56E-04	1.70E-07	5.12E-07	2.96E-07	3.43E-07	3.11E-07	1.42E-07	6.40E-08	0.00E+00	0.00E+00	5.45E-08	1.16E-08	7.39E-08	1.14E-08	4.95E-09	1.56E-07
5545	483727.27	3857130.01	5.78E-04	6.69E-04	3.02E-04	2.00E-07	6.04E-07	3.50E-07	4.05E-07	3.67E-07	1.67E-07	7.55E-08	0.00E+00	0.00E+00	6.43E-08	1.37E-08	8.71E-08	1.34E-08	5.85E-09	1.84E-07
5546	483124.42	3857123.45	4.44E-04	5.14E-04	2.32E-04	1.54E-07	4.64E-07	2.69E-07	3.11E-07	2.82E-07	1.29E-07	5.80E-08	0.00E+00	0.00E+00	4.94E-08	1.05E-08	6.69E-08	1.03E-08	4.49E-09	1.42E-07
5547	483111.13	3855921.03	6.00E-04	6.94E-04	3.14E-04	2.08E-07	6.27E-07	3.63E-07	4.20E-07	3.81E-07	1.74E-07	7.86E-08	0.00E+00	0.00E+00	6.68E-08	1.43E-08	9.05E-08	1.40E-08	6.09E-09	1.92E-07
5548	482701.73	3855918.24	4.70E-04	5.44E-04	2.46E-04	1.63E-07	4.91E-07	2.84E-07	3.29E-07	2.98E-07	1.36E-07	6.15E-08	0.00E+00	0.00E+00	5.23E-08	1.12E-08	7.09E-08	1.09E-08	4.76E-09	1.50E-07
5549	482668.02	3853521.78	1.76E-04	2.03E-04	9.17E-05	6.08E-08	1.84E-07	1.06E-07	1.23E-07	1.12E-07	5.09E-08	2.30E-08	0.00E+00	0.00E+00	1.96E-08	4.18E-09	2.65E-08	4.09E-09	1.78E-09	5.61E-08
5550	482579.91	3853219.19	1.68E-04	1.95E-04	8.80E-05	5.83E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.88E-08	2.20E-08	0.00E+00	0.00E+00	1.88E-08	4.01E-09	2.54E-08	3.92E-09	1.70E-09	5.38E-08
5551	482434.06	3852961.94	1.61E-04	1.87E-04	8.42E-05	5.58E-08	1.69E-07	9.76E-08	1.13E-07	1.02E-07	4.67E-08	2.11E-08	0.00E+00	0.00E+00	1.79E-08	3.83E-09	2.43E-08	3.75E-09	1.63E-09	5.15E-08
5552	482332.11	3852832.85	1.54E-04	1.78E-04	8.04E-05	5.33E-08	1.61E-07	9.32E-08	1.08E-07	9.78E-08	4.46E-08	2.01E-08	0.00E+00	0.00E+00	1.71E-08	3.66E-09	2.32E-08	3.58E-09	1.56E-09	4.92E-08
5553	481334.99	3851818.96	1.02E-04	1.19E-04	5.35E-05	3.54E-08	1.07E-07	6.19E-08	7.17E-08	6.50E-08	2.97E-08	1.34E-08	0.00E+00	0.00E+00	1.14E-08	2.43E-09	1.54E-08	2.38E-09	1.04E-09	3.27E-08
5554	481127.62	3851646.36	9.45E-05	1.09E-04	4.94E-05	3.27E-08	9.88E-08	5.72E-08	6.62E-08	6.00E-08	2.74E-08	1.24E-08	0.00E+00	0.00E+00	1.05E-08	2.25E-09	1.43E-08	2.20E-09	9.57E-10	3.02E-08
5555	481025.04	3851591.73	9.03E-05	1.05E-04	4.72E-05	3.13E-08	9.44E-08	5.46E-08	6.32E-08	5.73E-08	2.62E-08	1.18E-08	0.00E+00	0.00E+00	1.01E-08	2.15E-09	1.36E-08	2.10E-09	9.14E-10	2.88E-08
5556	480513.6	3851335.76	7.11E-05	8.23E-05	3.72E-05	2.46E-08	7.44E-08	4.30E-08	4.98E-08	4.52E-08	2.06E-08	9.31E-09	0.00E+00	0.00E+00	7.92E-09	1.69E-09	1.07E-08	1.65E-09	7.21E-10	2.27E-08
5557	480523.56	3851317.66	7.20E-05	8.33E-05	3.77E-05	2.49E-08	7.53E-08	4.36E-08	5.04E-08	4.57E-08	2.09E-08	9.43E-09	0.00E+00	0.00E+00	8.02E-09	1.71E-09	1.09E-08	1.68E-09	7.30E-10	2.30E-08
5558	476921.56	3849569.11	3.58E-05	4.14E-05	1.88E-05	1.24E-08	3.74E-08	2.17E-08	2.50E-08	2.27E-08	1.04E-08	4.70E-09	0.00E+00	0.00E+00	3.98E-09	8.50E-10	5.40E-09	8.32E-10	3.64E-10	1.14E-08

5559	476521.19	3849373.96	3.41E-05	3.94E-05	1.79E-05	1.18E-08	3.56E-08	2.06E-08	2.39E-08	2.16E-08	9.87E-09	4.48E-09	0.00E+00	0.00E+00	3.80E-09	8.10E-10	5.14E-09	7.92E-10	3.47E-10	1.09E-08
5560	476391.45	3849333.38	3.38E-05	3.91E-05	1.77E-05	1.17E-08	3.53E-08	2.04E-08	2.37E-08	2.14E-08	9.78E-09	4.44E-09	0.00E+00	0.00E+00	3.76E-09	8.03E-10	5.09E-09	7.86E-10	3.44E-10	1.08E-08
5561	476219.41	3849304.29	3.36E-05	3.89E-05	1.76E-05	1.16E-08	3.51E-08	2.03E-08	2.35E-08	2.13E-08	9.73E-09	4.42E-09	0.00E+00	0.00E+00	3.74E-09	7.98E-10	5.07E-09	7.81E-10	3.42E-10	1.07E-08
5562	475679.11	3849218.47	3.27E-05	3.78E-05	1.72E-05	1.13E-08	3.42E-08	1.98E-08	2.29E-08	2.08E-08	9.47E-09	4.30E-09	0.00E+00	0.00E+00	3.64E-09	7.77E-10	4.93E-09	7.61E-10	3.33E-10	1.04E-08
5563	475677.71	3849233.88	3.29E-05	3.81E-05	1.73E-05	1.14E-08	3.44E-08	1.99E-08	2.30E-08	2.09E-08	9.53E-09	4.32E-09	0.00E+00	0.00E+00	3.66E-09	7.82E-10	4.96E-09	7.65E-10	3.35E-10	1.05E-08
5564	475492.74	3849204.66	3.07E-05	3.55E-05	1.61E-05	1.06E-08	3.20E-08	1.86E-08	2.15E-08	1.94E-08	8.87E-09	4.03E-09	0.00E+00	0.00E+00	3.41E-09	7.28E-10	4.62E-09	7.13E-10	3.12E-10	9.79E-09
5565	475497.64	3849158.75	3.12E-05	3.61E-05	1.64E-05	1.08E-08	3.26E-08	1.89E-08	2.18E-08	1.98E-08	9.02E-09	4.10E-09	0.00E+00	0.00E+00	3.47E-09	7.41E-10	4.70E-09	7.25E-10	3.17E-10	9.95E-09
5566	475391.35	3849141.94	3.18E-05	3.68E-05	1.67E-05	1.10E-08	3.32E-08	1.92E-08	2.23E-08	2.02E-08	9.20E-09	4.18E-09	0.00E+00	0.00E+00	3.54E-09	7.55E-10	4.79E-09	7.39E-10	3.24E-10	1.02E-08
5567	475277	3849095.47	3.17E-05	3.66E-05	1.66E-05	1.10E-08	3.31E-08	1.92E-08	2.21E-08	2.01E-08	9.16E-09	4.16E-09	0.00E+00	0.00E+00	3.52E-09	7.52E-10	4.77E-09	7.36E-10	3.22E-10	1.01E-08
5568	475183.93	3849025.66	3.11E-05	3.59E-05	1.63E-05	1.08E-08	3.25E-08	1.88E-08	2.17E-08	1.97E-08	8.99E-09	4.08E-09	0.00E+00	0.00E+00	3.46E-09	7.38E-10	4.68E-09	7.22E-10	3.16E-10	9.92E-09
5569	474453.23	3848378.77	2.68E-05	3.10E-05	1.41E-05	9.29E-09	2.81E-08	1.62E-08	1.88E-08	1.70E-08	7.77E-09	3.53E-09	0.00E+00	0.00E+00	2.99E-09	6.38E-10	4.05E-09	6.24E-10	2.73E-10	8.57E-09
5570	474569.63	3848399.34	2.67E-05	3.09E-05	1.41E-05	9.26E-09	2.79E-08	1.62E-08	1.87E-08	1.70E-08	7.74E-09	3.52E-09	0.00E+00	0.00E+00	2.98E-09	6.35E-10	4.03E-09	6.21E-10	2.72E-10	8.53E-09
5571	474644.33	3848464.52	2.72E-05	3.14E-05	1.43E-05	9.41E-09	2.84E-08	1.64E-08	1.90E-08	1.72E-08	7.87E-09	3.58E-09	0.00E+00	0.00E+00	3.03E-09	6.46E-10	4.10E-09	6.32E-10	2.77E-10	8.68E-09
5572	474719.04	3848529.7	2.76E-05	3.19E-05	1.45E-05	9.55E-09	2.88E-08	1.67E-08	1.93E-08	1.75E-08	7.98E-09	3.63E-09	0.00E+00	0.00E+00	3.07E-09	6.55E-10	4.16E-09	6.41E-10	2.81E-10	8.81E-09
5573	474793.74	3848594.88	2.78E-05	3.22E-05	1.46E-05	9.64E-09	2.91E-08	1.68E-08	1.95E-08	1.77E-08	8.06E-09	3.66E-09	0.00E+00	0.00E+00	3.10E-09	6.61E-10	4.20E-09	6.47E-10	2.84E-10	8.89E-09
5574	474868.45	3848660.07	2.80E-05	3.24E-05	1.47E-05	9.70E-09	2.93E-08	1.70E-08	1.96E-08	1.78E-08	8.11E-09	3.69E-09	0.00E+00	0.00E+00	3.12E-09	6.66E-10	4.22E-09	6.51E-10	2.85E-10	8.95E-09
5575	474943.15	3848725.25	2.83E-05	3.28E-05	1.49E-05	9.81E-09	2.96E-08	1.71E-08	1.98E-08	1.80E-08	8.20E-09	3.73E-09	0.00E+00	0.00E+00	3.15E-09	6.73E-10	4.27E-09	6.58E-10	2.88E-10	9.04E-09
5576	475017.86	3848790.43	2.88E-05	3.34E-05	1.52E-05	9.99E-09	3.02E-08	1.75E-08	2.02E-08	1.83E-08	8.35E-09	3.79E-09	0.00E+00	0.00E+00	3.21E-09	6.85E-10	4.35E-09	6.70E-10	2.94E-10	9.21E-09
5577	475092.56	3848855.61	2.94E-05	3.40E-05	1.55E-05	1.02E-08	3.08E-08	1.78E-08	2.06E-08	1.87E-08	8.52E-09	3.87E-09	0.00E+00	0.00E+00	3.28E-09	6.99E-10	4.44E-09	6.84E-10	3.00E-10	9.40E-09
5578	475232.58	3848959.38	3.03E-05	3.50E-05	1.59E-05	1.05E-08	3.17E-08	1.83E-08	2.12E-08	1.92E-08	8.77E-09	3.98E-09	0.00E+00	0.00E+00	3.37E-09	7.19E-10	4.56E-09	7.04E-10	3.08E-10	9.67E-09
5579	475368.47	3849029.98	3.07E-05	3.55E-05	1.61E-05	1.06E-08	3.20E-08	1.85E-08	2.15E-08	1.94E-08	8.87E-09	4.03E-09	0.00E+00	0.00E+00	3.41E-09	7.28E-10	4.62E-09	7.13E-10	3.12E-10	9.79E-09
5580	475609.57	3849096.09	3.09E-05	3.57E-05	1.62E-05	1.07E-08	3.23E-08	1.87E-08	2.16E-08	1.96E-08	8.94E-09	4.06E-09	0.00E+00	0.00E+00	3.44E-09	7.33E-10	4.65E-09	7.18E-10	3.14E-10	9.86E-09
5581	475680.68	3849116.62	3.14E-05	3.63E-05	1.65E-05	1.09E-08	3.28E-08	1.90E-08	2.20E-08	1.99E-08	9.09E-09	4.13E-09	0.00E+00	0.00E+00	3.49E-09	7.46E-10	4.73E-09	7.30E-10	3.20E-10	1.00E-08
5582	475843.76	3849151.52	3.19E-05	3.69E-05	1.68E-05	1.10E-08	3.34E-08	1.93E-08	2.23E-08	2.02E-08	9.24E-09	4.19E-09	0.00E+00	0.00E+00	3.55E-09	7.58E-10	4.81E-09	7.42E-10	3.25E-10	1.02E-08
5583	475935.73	3849165.89	3.23E-05	3.74E-05	1.70E-05	1.12E-08	3.38E-08	1.96E-08	2.26E-08	2.05E-08	9.35E-09	4.25E-09	0.00E+00	0.00E+00	3.60E-09	7.68E-10	4.87E-09	7.51E-10	3.29E-10	1.03E-08
5584	476027.71	3849180.27	3.26E-05	3.77E-05	1.71E-05	1.13E-08	3.40E-08	1.97E-08	2.28E-08	2.07E-08	9.43E-09	4.28E-09	0.00E+00	0.00E+00	3.63E-09	7.74E-10	4.91E-09	7.57E-10	3.31E-10	1.04E-08
5585	476119.68	3849194.64	3.25E-05	3.75E-05	1.70E-05	1.12E-08	3.39E-08	1.96E-08	2.27E-08	2.06E-08	9.40E-09	4.27E-09	0.00E+00	0.00E+00	3.61E-09	7.71E-10	4.89E-09	7.55E-10	3.30E-10	1.04E-08
5586	476211.65	3849209.01	3.25E-05	3.76E-05	1.71E-05	1.13E-08	3.40E-08	1.97E-08	2.28E-08	2.06E-08	9.42E-09	4.28E-09	0.00E+00	0.00E+00	3.62E-09	7.73E-10	4.90E-09	7.56E-10	3.31E-10	1.04E-08
5587	476497.81	3849283.9	3.31E-05	3.83E-05	1.74E-05	1.15E-08	3.46E-08	2.00E-08	2.32E-08	2.10E-08	9.58E-09	4.35E-09	0.00E+00	0.00E+00	3.68E-09	7.86E-10	4.99E-09	7.69E-10	3.37E-10	1.06E-08
5588	476603.73	3849323.77	3.34E-05	3.87E-05	1.75E-05	1.16E-08	3.49E-08	2.02E-08	2.34E-08	2.12E-08	9.68E-09	4.39E-09	0.00E+00	0.00E+00	3.72E-09	7.94E-10	5.04E-09	7.77E-10	3.40E-10	1.07E-08
5589	476728.99	3849382.76	3.39E-05	3.92E-05	1.78E-05	1.17E-08	3.54E-08	2.05E-08	2.37E-08	2.15E-08	9.82E-09	4.45E-09	0.00E+00	0.00E+00	3.77E-09	8.05E-10	5.11E-09	7.88E-10	3.45E-10	1.08E-08
5590	476801.27	3849418.65	3.42E-05	3.96E-05	1.80E-05	1.18E-08	3.58E-08	2.07E-08	2.39E-08	2.17E-08	9.90E-09	4.49E-09	0.00E+00	0.00E+00	3.81E-09	8.13E-10	5.16E-09	7.95E-10	3.48E-10	1.09E-08
5591	476956.2	3849495.05	3.49E-05	4.03E-05	1.83E-05	1.21E-08	3.64E-08	2.11E-08	2.44E-08	2.21E-08	1.01E-08	4.58E-09	0.00E+00	0.00E+00	3.88E-09	8.28E-10	5.26E-09	8.11E-10	3.55E-10	1.11E-08
5592	477038.84	3849535.56	3.51E-05	4.06E-05	1.84E-05	1.22E-08	3.67E-08	2.13E-08	2.46E-08	2.23E-08	1.02E-08	4.61E-09	0.00E+00	0.00E+00	3.91E-09	8.35E-10	5.30E-09	8.17E-10	3.57E-10	1.12E-08
5593	477121.49	3849576.08	3.55E-05	4.10E-05	1.86E-05	1.23E-08	3.71E-08	2.15E-08	2.48E-08	2.25E-08	1.03E-08	4.66E-09	0.00E+00	0.00E+00	3.95E-09	8.42E-10	5.35E-09	8.24E-10	3.61E-10	1.13E-08
5594	477204.13	3849616.6	3.58E-05	4.14E-05	1.88E-05	1.24E-08	3.74E-08	2.16E-08	2.50E-08	2.27E-08	1.04E-08	4.70E-09	0.00E+00	0.00E+00	3.98E-09	8.49E-10	5.39E-09	8.31E-10	3.64E-10	1.14E-08
5595	477286.78	3849657.12	3.59E-05	4.15E-05	1.88E-05	1.24E-08	3.75E-08	2.17E-08	2.51E-08	2.28E-08	1.04E-08	4.71E-09	0.00E+00	0.00E+00	3.99E-09	8.52E-10	5.41E-09	8.34E-10	3.65E-10	1.15E-08
5596	477369.42	3849697.63	3.64E-05	4.21E-05	1.91E-05	1.26E-08	3.80E-08	2.20E-08	2.55E-08	2.31E-08	1.05E-08	4.78E-09	0.00E+00	0.00E+00	4.05E-09	8.64E-10	5.49E-09	8.46E-10	3.70E-10	1.16E-08
5597	477452.07	3849738.15	3.66E-05	4.24E-05	1.92E-05	1.27E-08	3.83E-08	2.22E-08	2.56E-08	2.33E-08	1.06E-08	4.81E-09	0.00E+00	0.00E+00	4.08E-09	8.71E-10	5.52E-09	8.52E-10	3.73E-10	1.17E-08
5598	477534.71	3849778.67	3.71E-05	4.29E-05	1.94E-05	1.28E-08	3.87E-08	2.24E-08	2.59E-08	2.35E-08	1.07E-08	4.87E-09	0.00E+00	0.00E+00	4.12E-09	8.80E-10	5.59E-09	8.61E-10	3.77E-10	1.18E-08
5599	477617.36	3849819.18	3.73E-05	4.32E-05	1.96E-05	1.29E-08	3.90E-08	2.26E-08	2.61E-08	2.37E-08	1.08E-08	4.90E-09	0.00E+00	0.00E+00	4.15E-09	8.86E-10	5.62E-09	8.67E-10	3.79E-10	1.19E-08
5600	477824.74	3849896.37	3.78E-05	4.37E-05	1.98E-05	1.31E-08	3.95E-08	2.28E-08	2.64E-08	2.40E-08	1.09E-08	4.96E-09	0.00E+00	0.00E+00	4.20E-09	8.97E-10	5.69E-09	8.78E-10	3.84E-10	1.21E-08
5601	477906.31	3849936.37	3.78E-05	4.38E-05	1.99E-05	1.31E-08	3.95E-08	2.29E-08	2.65E-08	2.40E-08	1.10E-08	4.97E-09	0.00E+00	0.00E+00	4.21E-09	8.99E-10	5.70E-09	8.80E-10	3.85E-10	1.21E-08
5602	477987.89	3849976.36	3.82E-05	4.42E-05	2.00E-05	1.32E-08	3.99E-08	2.31E-08	2.67E-08	2.42E-08	1.11E-08	5.02E-09	0.00E+00	0.00E+00	4.25E-09	9.08E-10	5.76E-09	8.88E-10	3.89E-10	1.22E-08
5603	478069.47	3850016.36	3.83E-05	4.43E-05	2.01E-05	1.33E-08	4.01E-08	2.32E-08	2.68E-08	2.43E-08	1.11E-08	5.03E-09	0.00E+00	0.00E+00	4.27E-09	9.10E-10	5.78E-09	8.91E-10	3.90E-10	1.22E-08
5604	478151.04	3850056.35	3.84E-05	4.45E-05	2.02E-05	1.33E-08	4.02E-08	2.33E-08	2.69E-08	2.44E-08	1.11E-08	5.05E-09	0.00E+00	0.00E+00	4.28E-09	9.13E-10	5.79E-09	8.93E-10	3.91E-10	1.23E-08
5605	478232.62	3850096.35	3.87E-05	4.48E-05	2.03E-05	1.34E-08	4.04E-08	2.34E-08	2.71E-08	2.45E-08	1.12E-08	5.08E-09	0.00E+00	0.00E+00	4.31E-09	9.19E-10	5.83E-09	8.99E-10	3.93E-10	1.24E-08
5606	478314.2	3850136.34	3.90E-05	4.51E-05	2.05E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.48E-08	1.13E-08	5.13E-09	0.00E+00	0.00E+00	4.34E-09	9.27E-10	5.88E-09	9.07E-10	3.97E-10	1.25E-08
5607	478395.77	3850176.34	3.94E-05	4.56E-05	2.07E-05	1.36E-08	4.12E-08	2.38E-08	2.76E-08	2.50E-08	1.14E-08	5.17E-09	0.00E+00	0.00E+00	4.39E-09	9.36E-10	5.94E-09	9.16E-10	4.01E-10	1.26E-08
5608	478575.43	3850244.45	4.00E-05	4.62E-05	2.10E-05	1.38E-08	4.18E-08	2.42E-08	2.80E-08	2.53E-08	1.16E-08	5.25E-09	0.00E+00	0.00E+00	4.45E-09	9.49E-10	6.02E-09	9.29E-10	4.06E-10	1.28E-08
5609	478665.06	3850287.29	4.04E-05	4.68E-05	2.12E-05	1.40E-08	4.23E-08	2.45E-08	2.83E-08	2.57E-08	1.17E-08	5.31E-09	0.00E+00	0.00E+00	4.50E-09	9.61E-10	6.10E-09	9.40E-10	4.11E-10	1.29E-08
5610	478754.69	3850330.14	4.11E-05	4.75E-05	2.15E-05	1.42E-08	4.29E-08	2.48E-08	2.87E-08	2.61E-08	1.19E-08	5.39E-09	0.00E+00	0.00E+00	4.57E-09	9.75E-10	6.19E-09	9.55E-10	4.18E-10	1.31E-08
5611	478844.32	3850372.99	4.18E-05	4.84E-05	2.19E-05	1.45E-08	4.37E-08	2.53E-08	2.93E-08	2.65E-08	1.21E-08	5.49E-09	0.00E+00	0.00E+00	4.65E-09	9.93E-10	6.30E-09	9.72E-10	4.25E-10	1.33E-08
5612	478933.95	3850415.84	4.35E-05	5.04E-05	2.28E-05	1.51E-08	4.55E-08	2.63E-08	3.05E-08	2.76E-08	1.26E-08	5.71E-09	0.00E+00	0.00E+00	4.85E-09	1.03E-09	6.56E-09	1.01E-09	4.42E-10	1.39E-08
5613	479023.58	3850458.68	4.34E-05	5.02E-05	2.28E-05	1.50E-08	4.54E-08	2.63E-08	3.04E-08	2.76E-08	1.26E-08	5.70E-09	0.00E+00	0.00E+00	4.83E-09	1.03E-09	6.55E-09	1.01E-09	4.41E-10	1.39E-08
5614	479110.66	3850441.91	4.49E-05	5.19E-05	2.35E-05	1.55E-08	4.69E-08	2.72E-08	3.14E-08	2.85E-08	1.30E-08	5.89E-09	0.00E+00	0.00E+00	5.00E-09	1.07E-09	6.77E-09	1.04E-09	4.56E-10	1.43E-08
5615	479191.22	3850423.99	4.59E-05	5.31E-05	2.41E-05	1.59E-08	4.80E-08	2.78E-08	3.21E-08	2.91E-08	1.33E-08	6.03E-09	0.00E+00	0.00E+00	5.11E-09	1.09E-09	6.92E-09	1.07E-09	4.67E-10	1.47E-08
5616	479274.32	3850465.71	4.70E-05	5.44E-05	2.47E-05	1.63E-08	4.92E-08	2.85E-08	3.29E-08	2.98E-08	1.36E-08	6.17E-09	0.00E+00	0.00E+00	5.24E-09	1.12E-09	7.09E-09	1.09E-09	4.78E-10	1.50E-08
5617	479357.43	3850507.42	4.83E-05	5.58E-05	2.53E-05	1.67E-08	5.04E-08	2.92E-08	3.38E-08	3.06E-08	1.40E-08	6.33E-09	0.00E+00	0.00E+00	5.37E-09	1.15E-09	7.27E-09	1.12E-09	4.90E-10	1.54E-08
5618	479440.53	3850549.14	4.84E-05	5.59E-05	2.53E-05	1.67E-08	5.05E-08	2.93E-08	3.39E-08	3.07E-08	1.40E-08	6.34E-09	0.00E+00	0.00E+00	5.38E-09	1.15E-09	7.29E-09	1.12E-09	4.91E-10	1.54E-08
5619	479523.64	3850590.85	4.96E-05	5.74E-05	2.60E-05	1.72E-08	5.19E-08	3.00E-08	3.47E-08	3.15E-08	1.44E-08	6.51E-09	0.00E+00	0.00E+00	5.52E-09	1.18E-09	7.48E-09	1.15E-09	5.04E-10	1.58E-08
5620	479606.74	3850632.57	5.12E-05	5.93E-05	2.68E-05	1.77E-08	5.36E-08	3.10E-08	3.59E-08	3.25E-08	1.48E-08	6.72E-09	0.00E+00	0.00E+00	5.70E-09	1.22E-09	7.73E-09	1.19E-09	5.20E-10	1.64E-08
5621	479777.37	3850707.61	5.51E-05	6.38E-05	2.89E-05	1.91E-08	5.76E-08	3.34E-08	3.86E-08	3.50E-08	1.60E-08	7.23E-09	0.00E+00	0.00E+00	6.14E-09	1.31E-09	8.31E-09	1.28E-09	5.60E-10	1.76E-08
5622	479864.9	3850740.95	5.77E-05	6.68E-05	3.02E-05	2.00E-08	6.03E-08	3.49E-08	4.04E-08	3.66E-08	1.67E-08	7.56E-09	0.00E+00	0.00E+00	6.42E-09	1.37E-09	8.70E-09	1.34E-09	5.85E-10	1.84E-08
5623	479931.87	3850829.57	5.85E-05	6.76E-05	3.06E-05	2.02E-08	6.11E-08	3.54E-08	4.09E-08	3.71E-08	1.69E-08	7.66E-09	0.00E+00	0.00E+00	6.51E-09	1.39E-09	8.81E-09	1.36E-09	5.93E-10	1.87E-08
5624	479995.55	3850926.75	5.96E-05	6.90E-05	3.12E-05	2.06E-08	6.23E-08	3.61E-08	4.18E-08	3.78E-08	1.73E-08	7.81E-09	0.00E+00	0.00E+00	6.64E-09	1.42E-09	8.99E-09	1.39E-09	6.05E-10	1.90E-08
5625	480079.78	3850968.64	6.18E-05	7.15E-05	3.23E-05	2.14E-08	6.46E-08	3.74E-08	4.33E-08	3.92E-08	1.79E-08	8.10E-09	0.00E+00	0.00E+00	6.88E-09	1.47E-09	9.32E-09	1.44E-09	6.27E-10	1.97E-08
5626	480164.01	3851010.54	6.41E-05	7.42E-05	3.35E-05	2.22E-08	6.70E-08	3.88E-08	4.49E-08	4.07E-08	1.86E-08	8.39E-09	0.00E+00	0.00E+00	7.13E-09	1.52E-09	9.67E-09	1.49E-09	6.50E-10	2.05E-08
5627	480248.23	3851052.43	6.65E-05	7.69E-05	3.48E-05	2.30E-08	6.95E-08	4.02E-08	4.66E-08	4.22E-08	1.93E-08	8.70E-09	0.00E+00	0.00E+00	7.40E-09	1.58E-09	1.00E-08	1.55E-09	6.74E-10	2.12E-08
5628	480332.46	3851094.33	6.90E-05	7.98E-05	3.61E-05	2.39E-08	7.21E-08	4.17E-08	4.83E-08	4.38E-08	2.00E-08	9.03E-09	0.00E+00	0.00E+00	7.68E-09	1.64E-09	1.04E-08	1.60E-09	6.99E-10	2.20E-08
5629	480416.69	3851136.22	7.17E-05	8.29E-05	3.75E-05	2.48E-08	7.49E-08	4.34E-08	5.02E-08	4.55E-08	2.08E-08	9.38E-09	0.00E+00	0.00E+00	7.98E-09	1.70E-09	1.08E-08	1.67E-09	7.26E-10	2.29E-08
5630	480579.95	3851215.17	7.72E-05	8.94E-05	4.04E-05	2.67E-08	8.07E-08	4.67E-08	5.41E-08	4.90E-08	2.24E-08	1.01E-08	0.00E+00	0.00E+00	8.60E-09	1.84E-09	1.16E-08	1.80E-09	7.82E-10	2.47E-08
5631	480658.98	3851252.22	8.00E-05	9.26E-05	4.18E-05	2.77E-08	8.37E-08	4.84E-08	5.60E-08	5.08E-08	2.32E-08	1.05E-08	0.00E+00	0.00E+00	8.91E-09	1.90E-09	1.21E-08	1.86E-09	8.11E-10	2.56E-08
5632	480817.36	3851327.85	8.57E-05	9.92E-05	4.48E-05	2.97E-08	8.96E-08	5.19E-08	6.00E-08	5.44E-08	2.48E-08	1.12E-08	0.00E+00	0.00E+00	9.54E-09	2.04E-09	1.29E-08	1.99E-09	8.68E-10	2.74E-08
5633	480896.72	3851366.43	8.86E-05	1.03E-04	4.63E-05	3.07E-08	9.26E-08	5.36E-08	6.21E-08	5.63E-08	2.57E-08	1.16E-08	0.00E+00	0.00E+00	9.86E-09	2.11E-09	1.34E-08	2.06E-09	8.97E-10	2.83E-08
5634	480976.07	3851405	9.15E-05	1.06E-04	4.78E-05	3.17E-08	9.56E-08	5.53E-08	6.40E-08	5.81E-08	2.65E-08	1.20E-08	0.00E+00	0.00E+00	1.02E-08	2.17E-09	1.38E-08	2.13E-09	9.26E-10	2.92E-08
5635	481178	3851487.31	9.83E-05	1.14E-04	5.13E-05	3.40E-08	1.03E-07	5.95E-08	6.88E-08	6.24E-08	2.85E-08	1.28E-08	0.00E+00	0.00E+00	1.09E-08	2.34E-09	1.48E-08	2.29E-09	9.95E-10	3.14E-08
5636	481244.9	3851557.17	1.01E-04	1.16E-04	5.25E-05	3.48E-08	1.05E-07	6.09E-08	7.04E-08	6.39E-08	2.91E-08	1.31E-08	0.00E+00	0.00E+00	1.12E-08	2.39E-09	1.52E-08	2.34E-09	1.02E-09	3.21E-08
5637	481311.81	3851627.03	1.03E-04	1.19E-04	5.38E-05	3.57E-08	1.08E-07	6.23E-08	7.22E-08	6.54E-08	2.98E-08	1.35E-08	0.00E+00	0.00E+00	1.15E-08	2.45E-09	1.55E-08	2.40E-09	1.04E-09	3.29E-08
5638	481378.71	3851696.89	1.06E-04	1.22E-04	5.51E-05	3.65E-08	1.10E-07	6.39E-08	7.39E-08	6.70E-08	3.06E-08	1.38E-08	0.00E+00	0.00E+00	1.18E-08	2.51E-09	1.59E-08	2.46E-09	1.07E-09	3.37E-08
5639	481445.61	3851766.76	1.08E-04	1.25E-04	5.65E-05	3.75E-08	1.13E-07	6.55E-08	7.58E-08	6.87E-08	3.13E-08	1.41E-08	0.00E+00	0.00E+00	1.20E-08	2.57E-09	1.63E-08	2.52E-09	1.09E-09	3.45E-08
5640	481512.51	3851836.62	1.11E-04	1.29E-04	5.80E-05	3.84E-08	1.16E-07	6.72E-08	7.78E-08	7.05E-08	3.22E-08	1.45E-08	0.00E+00	0.00E+00	1.24E-08	2.64E-09	1.67E-08	2.58E-09	1.12E-09	3.55E-08
5641	481579.42	3851906.48	1.14E-04	1.32E-04	5.95E-05	3.94E-08	1.19E-07	6.89E-08	7.98E-08	7.23E-08	3.30E-08	1.49E-08	0.00E+00	0.00E+00	1.27E-08	2.71E-09	1.72E-08	2.65E-09	1.15E-09	3.64E-08
5642	481646.32	3851976.34	1.17E-04	1.35E-04	6.11E-05	4.05E-08	1.22E-07	7.08E-08	8.19E-08	7.43E-08	3.39E-08	1.53E-08	0.00E+00	0.00E+00	1.30E-08	2.78E-09	1.76E-08	2.72E-09	1.18E-09	3.74E-08
5643	481713.22	3852046.2	1.20E-04	1.39E-04	6.28E-05	4.17E-08	1.26E-07	7.28E-08	8.43E-08	7.64E-08	3.49E-08	1.57E-08	0.00E+00	0.00E+00	1.34E-08	2.86E-09	1.82E-08	2.80E-09	1.22E-09	3.84E-08
5644	481780.12	3852116.06	1.24E-04	1.43E-04	6.45E-05	4.28E-08	1.29E-07	7.48E-08	8.66E-08	7.85E-08	3.58E-08	1.62E-08	0.00E+00	0.00E+00	1.38E-08	2.94E-09	1.87E-08	2.88E-09	1.25E-09	3.95E-08
5645	481847.03	3852185.92	1.27E-04	1.47E-04	6.62E-05	4.39E-08	1.33E-07	7.68E-08	8.89E-08	8.06E-08	3.68E-08	1.66E-08	0.00E+00	0.00E+00	1.41E-08	3.02E-09	1.91E-08	2.95E-09	1.28E-09	4.05E-08
5646	481913.93	3852255.78	1.30E-04	1.51E-04	6.80E-05	4.51E-08	1.36E-07	7.88E-08	9.12E-08	8.27E-08	3.77E-08	1.70E-08	0.00E+00	0.00E+00	1.45E-08	3.10E-09	1.96E-08	3.03E-09	1.32E-09	4.16E-08
5647	481980.83	3852325.65	1.34E-04	1.55E-04	6.97E-05	4.62E-08	1.40E-07	8.08E-08	9.35E-08	8.48E-08	3.87E-08	1.74E-08	0.00E+00	0.00E+00	1.49E-08	3.17E-09	2.01E-08	3.11E-09	1.35E-09	4.26E-08
5648	482047.73	3852395.51	1.37E-04	1.59E-04	7.16E-05	4.75E-08	1.43E-07	8.31E-08	9.62E-08	8.72E-08	3.98E-08	1.79E-08	0.00E+00	0.00E+00	1.53E-08	3.26E-09	2.07E-08	3.19E-09	1.39E-09	4.38E-08
5649	482114.64	3852465.37	1.41E-04	1.63E-04	7.35E-05	4.88E-08	1.47E-07	8.52E-08	9.87E-08	8.94E-08	4.08E-08	1.84E-08	0.00E+00	0.00E+00	1.57E-08	3.35E-09	2.13E-08	3.28E-09	1.42E-09	4.50E-08
5650	482181.54	3852535.23	1.45E-04	1.68E-04	7.59E-05	5.03E-08	1.52E-07	8.80E-08	1.02E-07	9.23E-08	4.21E-08	1.90E-08	0.00E+00	0.00E+00	1.62E-08	3.46E-09	2.19E-08	3.38E-09	1.47E-09	4.64E-08
5651	482338.69	3852700.05	1.56E-04	1.81E-04	8.15E-05	5.41E-08	1.63E-07	9.45E-08	1.09E-07	9.92E-08	4.53E-08	2.04E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.36E-08	3.63E-09	1.58E-09	4.99E-08
5652	482404.05	3852767.78	1.61E-04	1.87E-04	8.41E-05	5.58E-08	1.69E-07	9.76E-08	1.13E-07	1.02E-07	4.67E-08	2.11E-08	0.00E+00	0.00E+00	1.79E-08	3.83E-09	2.43E-08	3.75E-09	1.63E-09	5.15E-08
5653	482469.4	3852835.52	1.67E-04	1.93E-04	8.69E-05	5.76E-08	1.74E-07	1.01E-07	1.17E-07	1.06E-07	4.82E-08	2.17E-08	0.00E+00	0.00E+00	1.85E-08	3.96E-09	2.51E-08	3.87E-09	1.68E-09	5.32E-08
5654	482534.75	3852903.25	1.73E-04	2.00E-04	9.00E-05	5.97E-08	1.80E-07	1.04E-07	1.21E-07	1.10E-07	5.00E-08	2.25E-08	0.00E+00	0.00E+00	1.92E-08	4.10E-09	2.60E-08	4.01E-09	1.74E-09	5.51E-08
5655	482600.11	3852970.99	1.79E-04	2.07E-04	9.31E-05	6.18E-08	1.87E-07	1.08E-07	1.25E-07	1.13E-07	5.17E-08	2.33E-08	0.00E+00	0.00E+00	1.99E-08	4.24E-09	2.69E-08	4.15E-09	1.80E-09	5.70E-08
5656	482706.71	3853119.28	1.90E-04	2.20E-04	9.92E-05	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.21E-07	5.51E-08	2.48E-08	0.00E+00	0.00E+00	2.12E-08	4.52E-09	2.87E-08	4.42E-09	1.92E-09	6.07E-08
5657	482747.96	3853199.84	1.94E-04	2.25E-04	1.01E-04	6.72E-08	2.03E-07	1.17E-07	1.36E-07	1.23E-07	5.62E-08	2.53E-08	0.00E+00	0.00E+00	2.16E-08	4.61E-09	2.93E-08	4.52E-09	1.96E-09	6.20E-08
5658	482789.21	3853280.4	1.97E-04	2.29E-04	1.03E-04	6.84E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.72E-08	2.58E-08	0.00E+00	0.00E+00	2.20E-08	4.70E-09	2.98E-08	4.59E-09	2.00E-09	6.31E-08
5659	482830.46	3853360.96	2.01E-04	2.33E-04	1.05E-04	6.96E-08	2.10E-07	1.22E-07	1.41E-07	1.28E-07	5.82E-08	2.63E-08	0.00E+00	0.00E+00	2.24E-08	4.78E-09	3.03E-08	4.68E-09	2.03E-09	6.42E-08
5660	482871.71	3853441.52	2.05E-04	2.37E-04	1.07E-04	7.08E-08	2.14E-07	1.24E-07	1.43E-07	1.30E-07	5.93E-08	2.67E-08	0.00E+00	0.00E+00	2.28E-08	4.86E-09	3.09E-08	4.76E-09	2.07E-09	6.53E-08
5661	482912.95	3853522.07	2.10E-04	2.43E-04	1.09E-04	7.25E-08	2.19E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.74E-08	0.00E+00	0.00E+00	2.33E-08	4.98E-09	3.16E-08	4.88E-09	2.12E-09	6.69E-08
5662	482954.2	3853602.63	2.15E-04	2.49E-04	1.12E-04	7.44E-08	2.25E-07	1.30E-07	1.51E-07	1.36E-07	6.23E-08	2.81E-08	0.00E+00	0.00E+00	2.39E-08	5.11E-09	3.24E-08	5.00E-09	2.17E-09	6.86E-08
5663	482995.45	3853683.19	2.22E-04	2.57E-04	1.16E-04	7.68E-08	2.32E-07	1.34E-07	1.55E-07	1.41E-07	6.43E-08	2.90E-08	0.00E+00	0.00E+00	2.47E-08	5.27E-09	3.35E-08	5.16E-09	2.24E-09	7.08E-08

5664	483036.7	3853763.75	2.30E-04	2.66E-04	1.20E-04	7.96E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.66E-08	3.00E-08	0.00E+00	0.00E+00	2.56E-08	5.47E-09	3.47E-08	5.35E-09	2.33E-09	7.34E-08
5665	483214.2	3853909.91	2.71E-04	3.13E-04	1.41E-04	9.37E-08	2.83E-07	1.64E-07	1.90E-07	1.72E-07	7.84E-08	3.53E-08	0.00E+00	0.00E+00	3.01E-08	6.43E-09	4.08E-08	6.30E-09	2.74E-09	8.64E-08
5666	483307.01	3853910.44	2.92E-04	3.38E-04	1.52E-04	1.01E-07	3.05E-07	1.77E-07	2.05E-07	1.86E-07	8.47E-08	3.81E-08	0.00E+00	0.00E+00	3.25E-08	6.95E-09	4.41E-08	6.80E-09	2.95E-09	9.33E-08
5667	483399.83	3853910.96	3.18E-04	3.68E-04	1.66E-04	1.10E-07	3.32E-07	1.92E-07	2.23E-07	2.02E-07	9.20E-08	4.14E-08	0.00E+00	0.00E+00	3.54E-08	7.55E-09	4.79E-08	7.39E-09	3.21E-09	1.01E-07
5668	483494.52	3854009.24	3.46E-04	4.01E-04	1.81E-04	1.20E-07	3.62E-07	2.10E-07	2.43E-07	2.20E-07	1.00E-07	4.52E-08	0.00E+00	0.00E+00	3.85E-08	8.23E-09	5.22E-08	8.06E-09	3.50E-09	1.11E-07
5669	483496.41	3854106.98	3.50E-04	4.05E-04	1.82E-04	1.21E-07	3.65E-07	2.12E-07	2.45E-07	2.22E-07	1.01E-07	4.56E-08	0.00E+00	0.00E+00	3.89E-08	8.31E-09	5.27E-08	8.13E-09	3.53E-09	1.12E-07
5670	483577.56	3854261.96	3.90E-04	4.51E-04	2.03E-04	1.35E-07	4.07E-07	2.36E-07	2.73E-07	2.47E-07	1.13E-07	5.09E-08	0.00E+00	0.00E+00	4.34E-08	9.27E-09	5.88E-08	9.07E-09	3.94E-09	1.24E-07
5671	483656.83	3854319.19	4.16E-04	4.81E-04	2.17E-04	1.44E-07	4.35E-07	2.52E-07	2.91E-07	2.64E-07	1.20E-07	5.43E-08	0.00E+00	0.00E+00	4.63E-08	9.88E-09	6.27E-08	9.67E-09	4.20E-09	1.33E-07
5672	483736.1	3854376.41	4.45E-04	5.15E-04	2.32E-04	1.54E-07	4.65E-07	2.69E-07	3.12E-07	2.83E-07	1.29E-07	5.81E-08	0.00E+00	0.00E+00	4.95E-08	1.06E-08	6.71E-08	1.04E-08	4.50E-09	1.42E-07
5673	483815.37	3854433.64	4.74E-04	5.48E-04	2.48E-04	1.64E-07	4.95E-07	2.87E-07	3.32E-07	3.01E-07	1.37E-07	6.20E-08	0.00E+00	0.00E+00	5.28E-08	1.13E-08	7.15E-08	1.10E-08	4.80E-09	1.51E-07
5674	483894.63	3854490.87	4.97E-04	5.75E-04	2.60E-04	1.72E-07	5.20E-07	3.01E-07	3.48E-07	3.16E-07	1.44E-07	6.50E-08	0.00E+00	0.00E+00	5.53E-08	1.18E-08	7.50E-08	1.16E-08	5.04E-09	1.59E-07
5675	483973.9	3854548.1	5.14E-04	5.95E-04	2.69E-04	1.78E-07	5.38E-07	3.11E-07	3.60E-07	3.26E-07	1.49E-07	6.73E-08	0.00E+00	0.00E+00	5.72E-08	1.22E-08	7.76E-08	1.20E-08	5.21E-09	1.64E-07
5676	484053.17	3854605.32	5.41E-04	6.26E-04	2.83E-04	1.87E-07	5.65E-07	3.27E-07	3.79E-07	3.43E-07	1.57E-07	7.08E-08	0.00E+00	0.00E+00	6.02E-08	1.29E-08	8.16E-08	1.26E-08	5.49E-09	1.73E-07
5677	484214.97	3854698.15	6.19E-04	7.17E-04	3.24E-04	2.14E-07	6.47E-07	3.75E-07	4.34E-07	3.93E-07	1.79E-07	8.10E-08	0.00E+00	0.00E+00	6.89E-08	1.47E-08	9.34E-08	1.44E-08	6.28E-09	1.98E-07
5678	484297.5	3854733.74	7.00E-04	8.10E-04	3.66E-04	2.42E-07	7.31E-07	4.23E-07	4.90E-07	4.44E-07	2.03E-07	9.15E-08	0.00E+00	0.00E+00	7.79E-08	1.66E-08	1.06E-07	1.63E-08	7.08E-09	2.23E-07
5679	484380.03	3854769.34	7.52E-04	8.70E-04	3.93E-04	2.60E-07	7.86E-07	4.55E-07	5.27E-07	4.77E-07	2.18E-07	9.83E-08	0.00E+00	0.00E+00	8.37E-08	1.79E-08	1.13E-07	1.75E-08	7.61E-09	2.40E-07
5680	484462.56	3854804.94	8.47E-04	9.80E-04	4.42E-04	2.93E-07	8.85E-07	5.12E-07	5.93E-07	5.38E-07	2.45E-07	1.11E-07	0.00E+00	0.00E+00	9.43E-08	2.01E-08	1.28E-07	1.97E-08	8.56E-09	2.70E-07
5681	484545.09	3854840.53	9.08E-04	1.05E-03	4.74E-04	3.14E-07	9.49E-07	5.49E-07	6.36E-07	5.77E-07	2.63E-07	1.19E-07	0.00E+00	0.00E+00	1.01E-07	2.16E-08	1.37E-07	2.11E-08	9.18E-09	2.90E-07
5682	484691.88	3854912.59	1.19E-03	1.38E-03	6.19E-04	4.11E-07	1.24E-06	7.19E-07	8.33E-07	7.55E-07	3.44E-07	1.55E-07	0.00E+00	0.00E+00	1.32E-07	2.83E-08	1.79E-07	2.77E-08	1.20E-08	3.80E-07
5683	484830.81	3855012.51	2.51E-03	2.90E-03	1.30E-03	8.67E-07	2.62E-06	1.52E-06	1.76E-06	1.59E-06	7.26E-07	3.26E-07	0.00E+00	0.00E+00	2.79E-07	5.96E-08	3.78E-07	5.83E-08	2.53E-08	8.00E-07
5684	484905.48	3855075.97	6.24E-03	7.23E-03	3.24E-03	2.16E-06	6.52E-06	3.77E-06	4.37E-06	3.96E-06	1.81E-06	8.11E-07	0.00E+00	0.00E+00	6.94E-07	1.48E-07	9.42E-07	1.45E-07	6.28E-08	1.99E-06
5685	484980.14	3855139.44	9.84E-03	1.14E-02	5.11E-03	3.41E-06	1.03E-05	5.95E-06	6.90E-06	6.25E-06	2.85E-06	1.28E-06	0.00E+00	0.00E+00	1.10E-06	2.34E-07	1.49E-06	2.29E-07	9.91E-08	3.14E-06
5686	485054.81	3855202.91	1.22E-02	1.41E-02	6.32E-03	4.21E-06	1.27E-05	7.36E-06	8.52E-06	7.72E-06	3.52E-06	1.58E-06	0.00E+00	0.00E+00	1.35E-06	2.89E-07	1.84E-06	2.83E-07	1.22E-07	3.88E-06
5687	485129.48	3855266.37	1.29E-02	1.49E-02	6.68E-03	4.45E-06	1.34E-05	7.78E-06	9.01E-06	8.16E-06	3.73E-06	1.67E-06	0.00E+00	0.00E+00	1.43E-06	3.06E-07	1.94E-06	2.99E-07	1.29E-07	4.10E-06
5688	485204.15	3855329.84	1.48E-02	1.71E-02	7.68E-03	5.12E-06	1.54E-05	8.94E-06	1.04E-05	9.39E-06	4.28E-06	1.92E-06	0.00E+00	0.00E+00	1.64E-06	3.52E-07	2.23E-06	3.44E-07	1.49E-07	4.72E-06
5689	485278.82	3855393.31	1.55E-02	1.80E-02	8.06E-03	5.37E-06	1.62E-05	9.38E-06	1.09E-05	9.85E-06	4.49E-06	2.02E-06	0.00E+00	0.00E+00	1.73E-06	3.69E-07	2.34E-06	3.61E-07	1.56E-07	4.95E-06
5690	485353.48	3855456.77	1.66E-02	1.92E-02	8.61E-03	5.74E-06	1.73E-05	1.00E-05	1.16E-05	1.05E-05	4.80E-06	2.16E-06	0.00E+00	0.00E+00	1.85E-06	3.94E-07	2.50E-06	3.86E-07	1.67E-07	5.29E-06
5691	485428.15	3855520.24	1.69E-02	1.96E-02	8.81E-03	5.87E-06	1.77E-05	1.03E-05	1.19E-05	1.08E-05	4.91E-06	2.20E-06	0.00E+00	0.00E+00	1.89E-06	4.03E-07	2.56E-06	3.95E-07	1.71E-07	5.41E-06
5692	485502.82	3855583.71	1.74E-02	2.01E-02	9.02E-03	6.01E-06	1.81E-05	1.05E-05	1.22E-05	1.10E-05	5.03E-06	2.26E-06	0.00E+00	0.00E+00	1.93E-06	4.13E-07	2.62E-06	4.04E-07	1.75E-07	5.55E-06
5693	485577.49	3855647.17	1.85E-02	2.14E-02	9.60E-03	6.40E-06	1.93E-05	1.12E-05	1.30E-05	1.17E-05	5.36E-06	2.40E-06	0.00E+00	0.00E+00	2.06E-06	4.40E-07	2.79E-06	4.30E-07	1.86E-07	5.90E-06
5694	485652.16	3855710.64	1.95E-02	2.25E-02	1.01E-02	6.73E-06	2.03E-05	1.18E-05	1.36E-05	1.24E-05	5.64E-06	2.53E-06	0.00E+00	0.00E+00	2.17E-06	4.63E-07	2.94E-06	4.53E-07	1.96E-07	6.21E-06
5695	485726.83	3855774.11	2.00E-02	2.32E-02	1.04E-02	6.93E-06	2.09E-05	1.21E-05	1.40E-05	1.27E-05	5.80E-06	2.60E-06	0.00E+00	0.00E+00	2.23E-06	4.76E-07	3.02E-06	4.66E-07	2.02E-07	6.40E-06
5696	485801.49	3855837.57	1.96E-02	2.27E-02	1.02E-02	6.77E-06	2.04E-05	1.18E-05	1.37E-05	1.24E-05	5.67E-06	2.54E-06	0.00E+00	0.00E+00	2.18E-06	4.65E-07	2.95E-06	4.55E-07	1.97E-07	6.25E-06
5697	485876.16	3855901.04	2.00E-02	2.32E-02	1.04E-02	6.94E-06	2.09E-05	1.21E-05	1.40E-05	1.27E-05	5.81E-06	2.61E-06	0.00E+00	0.00E+00	2.23E-06	4.77E-07	3.03E-06	4.67E-07	2.02E-07	6.40E-06
5698	485950.83	3855964.5	1.96E-02	2.27E-02	1.02E-02	6.78E-06	2.05E-05	1.19E-05	1.37E-05	1.24E-05	5.68E-06	2.55E-06	0.00E+00	0.00E+00	2.18E-06	4.66E-07	2.96E-06	4.56E-07	1.97E-07	6.26E-06
5699	486025.5	3856027.97	1.91E-02	2.21E-02	9.93E-03	6.62E-06	2.00E-05	1.16E-05	1.34E-05	1.21E-05	5.54E-06	2.49E-06	0.00E+00	0.00E+00	2.13E-06	4.55E-07	2.88E-06	4.45E-07	1.92E-07	6.10E-06
5700	486100.17	3856091.44	2.02E-02	2.34E-02	1.05E-02	7.01E-06	2.12E-05	1.22E-05	1.42E-05	1.29E-05	5.87E-06	2.63E-06	0.00E+00	0.00E+00	2.25E-06	4.82E-07	3.06E-06	4.71E-07	2.04E-07	6.47E-06
5701	486174.83	3856154.9	1.94E-02	2.25E-02	1.01E-02	6.72E-06	2.03E-05	1.17E-05	1.36E-05	1.23E-05	5.63E-06	2.52E-06	0.00E+00	0.00E+00	2.16E-06	4.62E-07	2.93E-06	4.52E-07	1.95E-07	6.20E-06
5702	486249.5	3856218.37	1.77E-02	2.05E-02	9.18E-03	6.12E-06	1.85E-05	1.07E-05	1.24E-05	1.12E-05	5.12E-06	2.30E-06	0.00E+00	0.00E+00	1.97E-06	4.20E-07	2.67E-06	4.11E-07	1.78E-07	5.64E-06
5703	486324.17	3856281.84	1.62E-02	1.88E-02	8.43E-03	5.61E-06	1.70E-05	9.81E-06	1.14E-05	1.03E-05	4.70E-06	2.11E-06	0.00E+00	0.00E+00	1.81E-06	3.86E-07	2.45E-06	3.78E-07	1.63E-07	5.18E-06
5704	486398.84	3856345.3	1.66E-02	1.93E-02	8.65E-03	5.76E-06	1.74E-05	1.01E-05	1.17E-05	1.06E-05	4.82E-06	2.16E-06	0.00E+00	0.00E+00	1.85E-06	3.96E-07	2.51E-06	3.87E-07	1.68E-07	5.32E-06
5705	486473.51	3856408.77	1.66E-02	1.92E-02	8.62E-03	5.74E-06	1.73E-05	1.00E-05	1.16E-05	1.05E-05	4.81E-06	2.16E-06	0.00E+00	0.00E+00	1.85E-06	3.95E-07	2.50E-06	3.86E-07	1.67E-07	5.30E-06
5706	486548.17	3856472.24	1.71E-02	1.98E-02	8.88E-03	5.91E-06	1.79E-05	1.03E-05	1.20E-05	1.09E-05	4.95E-06	2.22E-06	0.00E+00	0.00E+00	1.90E-06	4.06E-07	2.58E-06	3.98E-07	1.72E-07	5.46E-06
5707	486622.84	3856535.7	1.76E-02	2.04E-02	9.15E-03	6.09E-06	1.84E-05	1.07E-05	1.23E-05	1.12E-05	5.10E-06	2.29E-06	0.00E+00	0.00E+00	1.96E-06	4.19E-07	2.66E-06	4.10E-07	1.77E-07	5.62E-06
5708	486765.48	3856659.69	1.90E-02	2.20E-02	9.85E-03	6.56E-06	1.98E-05	1.15E-05	1.33E-05	1.20E-05	5.49E-06	2.46E-06	0.00E+00	0.00E+00	2.11E-06	4.51E-07	2.86E-06	4.41E-07	1.91E-07	6.05E-06
5709	486833.44	3856720.2	1.96E-02	2.27E-02	1.02E-02	6.78E-06	2.05E-05	1.18E-05	1.37E-05	1.24E-05	5.67E-06	2.55E-06	0.00E+00	0.00E+00	2.18E-06	4.66E-07	2.95E-06	4.56E-07	1.97E-07	6.25E-06
5710	486901.41	3856780.72	1.99E-02	2.30E-02	1.03E-02	6.88E-06	2.08E-05	1.20E-05	1.39E-05	1.26E-05	5.76E-06	2.58E-06	0.00E+00	0.00E+00	2.21E-06	4.73E-07	3.00E-06	4.63E-07	2.00E-07	6.35E-06
5711	486969.38	3856841.24	2.00E-02	2.31E-02	1.04E-02	6.92E-06	2.09E-05	1.21E-05	1.40E-05	1.27E-05	5.79E-06	2.60E-06	0.00E+00	0.00E+00	2.22E-06	4.75E-07	3.02E-06	4.65E-07	2.01E-07	6.38E-06
5712	487037.34	3856901.75	1.99E-02	2.31E-02	1.03E-02	6.89E-06	2.08E-05	1.21E-05	1.40E-05	1.27E-05	5.77E-06	2.59E-06	0.00E+00	0.00E+00	2.22E-06	4.74E-07	3.01E-06	4.64E-07	2.01E-07	6.36E-06
5713	487271.23	3856855.51	1.13E-02	1.31E-02	5.87E-03	3.91E-06	1.18E-05	6.84E-06	7.92E-06	7.18E-06	3.28E-06	1.47E-06	0.00E+00	0.00E+00	1.26E-06	2.69E-07	1.71E-06	2.63E-07	1.14E-07	3.61E-06
5714	487368.96	3856857.29	9.84E-03	1.14E-02	5.12E-03	3.41E-06	1.03E-05	5.96E-06	6.90E-06	6.25E-06	2.85E-06	1.28E-06	0.00E+00	0.00E+00	1.10E-06	2.34E-07	1.49E-06	2.29E-07	9.91E-08	3.14E-06
5715	487466.68	3856859.06	8.65E-03	1.00E-02	4.50E-03	2.99E-06	9.04E-06	5.23E-06	6.06E-06	5.50E-06	2.51E-06	1.13E-06	0.00E+00	0.00E+00	9.63E-07	2.06E-07	1.31E-06	2.01E-07	8.71E-08	2.76E-06
5716	487636.44	3856930	7.02E-03	8.13E-03	3.65E-03	2.43E-06	7.34E-06	4.25E-06	4.92E-06	4.46E-06	2.03E-06	9.13E-07	0.00E+00	0.00E+00	7.81E-07	1.67E-07	1.06E-06	1.63E-07	7.07E-08	2.24E-06
5717	487709.57	3856928.43	6.43E-03	7.45E-03	3.34E-03	2.23E-06	6.72E-06	3.89E-06	4.50E-06	4.08E-06	1.86E-06	8.36E-07	0.00E+00	0.00E+00	7.16E-07	1.53E-07	9.70E-07	1.50E-07	6.48E-08	2.05E-06
5718	487782.55	3856841.96	6.03E-03	6.99E-03	3.14E-03	2.09E-06	6.31E-06	3.65E-06	4.23E-06	3.83E-06	1.75E-06	7.85E-07	0.00E+00	0.00E+00	6.72E-07	1.44E-07	9.11E-07	1.40E-07	6.08E-08	1.93E-06
5719	487849.83	3856754.74	5.61E-03	6.50E-03	2.92E-03	1.94E-06	5.86E-06	3.39E-06	3.93E-06	3.56E-06	1.63E-06	7.30E-07	0.00E+00	0.00E+00	6.24E-07	1.33E-07	8.47E-07	1.31E-07	5.65E-08	1.79E-06
5720	487918.03	3856819.39	5.31E-03	6.15E-03	2.76E-03	1.84E-06	5.55E-06	3.21E-06	3.72E-06	3.37E-06	1.54E-06	6.91E-07	0.00E+00	0.00E+00	5.91E-07	1.26E-07	8.01E-07	1.24E-07	5.35E-08	1.70E-06
5721	487918.8	3856886.37	5.24E-03	6.07E-03	2.72E-03	1.81E-06	5.47E-06	3.17E-06	3.67E-06	3.33E-06	1.52E-06	6.82E-07	0.00E+00	0.00E+00	5.83E-07	1.25E-07	7.91E-07	1.22E-07	5.28E-08	1.67E-06
5722	488065.47	3857127.51	3.74E-03	4.33E-03	1.94E-03	1.29E-06	3.91E-06	2.26E-06	2.62E-06	2.37E-06	1.08E-06	4.87E-07	0.00E+00	0.00E+00	4.16E-07	8.89E-08	5.64E-07	8.70E-08	3.77E-08	1.19E-06
5723	488192.19	3857385.84	2.31E-03	2.67E-03	1.20E-03	7.98E-07	2.41E-06	1.39E-06	1.61E-06	1.46E-06	6.68E-07	3.01E-07	0.00E+00	0.00E+00	2.57E-07	5.48E-08	3.48E-07	5.36E-08	2.33E-08	7.36E-07
5724	488191.22	3857473.87	1.97E-03	2.28E-03	1.03E-03	6.83E-07	2.06E-06	1.19E-06	1.38E-06	1.25E-06	5.72E-07	2.58E-07	0.00E+00	0.00E+00	2.20E-07	4.69E-08	2.98E-07	4.59E-08	1.99E-08	6.30E-07
5725	488190.24	3857561.91	1.69E-03	1.95E-03	8.82E-04	5.84E-07	1.76E-06	1.02E-06	1.18E-06	1.07E-06	4.89E-07	2.21E-07	0.00E+00	0.00E+00	1.88E-07	4.01E-08	2.55E-07	3.93E-08	1.71E-08	5.39E-07
5726	488158.35	3857691.13	1.35E-03	1.56E-03	7.10E-04	4.68E-07	1.41E-06	8.18E-07	9.47E-07	8.58E-07	3.92E-07	1.78E-07	0.00E+00	0.00E+00	1.51E-07	3.21E-08	2.04E-07	3.14E-08	1.38E-08	4.32E-07
5727	488208.37	3857816.66	1.12E-03	1.29E-03	6.02E-04	3.88E-07	1.17E-06	6.79E-07	7.82E-07	7.09E-07	3.24E-07	1.51E-07	0.00E+00	0.00E+00	1.25E-07	2.66E-08	1.69E-07	2.60E-08	1.17E-08	3.58E-07
5728	488271.97	3857874.6	1.16E-03	1.32E-03	6.85E-04	4.02E-07	1.21E-06	7.02E-07	7.97E-07	7.22E-07	3.30E-07	1.71E-07	0.00E+00	0.00E+00	1.29E-07	2.70E-08	1.72E-07	2.65E-08	1.33E-08	3.67E-07
5729	488463.56	3857942.31	1.17E-03	1.31E-03	7.36E-04	4.04E-07	1.22E-06	7.07E-07	7.93E-07	7.19E-07	3.28E-07	1.84E-07	0.00E+00	0.00E+00	1.30E-07	2.69E-08	1.71E-07	2.63E-08	1.43E-08	3.68E-07
5730	488554.83	3857940.83	1.11E-03	1.26E-03	6.78E-04	3.86E-07	1.16E-06	6.74E-07	7.61E-07	6.90E-07	3.15E-07	1.70E-07	0.00E+00	0.00E+00	1.24E-07	2.58E-08	1.64E-07	2.53E-08	1.31E-08	3.52E-07
5731	488646.1	3857939.36	1.08E-03	1.22E-03	6.37E-04	3.73E-07	1.12E-06	6.51E-07	7.39E-07	6.70E-07	3.06E-07	1.60E-07	0.00E+00	0.00E+00	1.20E-07	2.51E-08	1.59E-07	2.45E-08	1.24E-08	3.41E-07
5732	488737.37	3857937.88	1.05E-03	1.19E-03	6.08E-04	3.63E-07	1.10E-06	6.35E-07	7.23E-07	6.55E-07	2.99E-07	1.52E-07	0.00E+00	0.00E+00	1.17E-07	2.45E-08	1.56E-07	2.40E-08	1.18E-08	3.33E-07
5733	488733.59	3857960.57	1.02E-03	1.16E-03	5.92E-04	3.53E-07	1.07E-06	6.17E-07	7.03E-07	6.37E-07	2.91E-07	1.48E-07	0.00E+00	0.00E+00	1.14E-07	2.39E-08	1.51E-07	2.33E-08	1.15E-08	3.24E-07
5734	488638.09	3857961.57	1.05E-03	1.19E-03	6.22E-04	3.63E-07	1.10E-06	6.34E-07	7.19E-07	6.52E-07	2.97E-07	1.56E-07	0.00E+00	0.00E+00	1.17E-07	2.44E-08	1.55E-07	2.39E-08	1.21E-08	3.32E-07
5735	488542.6	3857962.56	1.09E-03	1.23E-03	6.67E-04	3.77E-07	1.14E-06	6.59E-07	7.43E-07	6.74E-07	3.08E-07	1.67E-07	0.00E+00	0.00E+00	1.21E-07	2.52E-08	1.60E-07	2.47E-08	1.29E-08	3.44E-07
5736	488447.1	3857963.56	1.15E-03	1.29E-03	7.35E-04	4.00E-07	1.21E-06	6.98E-07	7.82E-07	7.09E-07	3.23E-07	1.84E-07	0.00E+00	0.00E+00	1.28E-07	2.65E-08	1.68E-07	2.60E-08	1.42E-08	3.64E-07
5737	488254.28	3857890.36	1.16E-03	1.31E-03	6.93E-04	4.00E-07	1.21E-06	7.00E-07	7.92E-07	7.18E-07	3.28E-07	1.73E-07	0.00E+00	0.00E+00	1.29E-07	2.69E-08	1.71E-07	2.63E-08	1.34E-08	3.66E-07
5738	488191.69	3857833.06	1.09E-03	1.26E-03	5.89E-04	3.79E-07	1.14E-06	6.62E-07	7.63E-07	6.92E-07	3.16E-07	1.47E-07	0.00E+00	0.00E+00	1.22E-07	2.59E-08	1.64E-07	2.54E-08	1.14E-08	3.49E-07
5739	488129.5	3857907.43	9.88E-04	1.14E-03	5.35E-04	3.42E-07	1.03E-06	5.98E-07	6.88E-07	6.24E-07	2.85E-07	1.34E-07	0.00E+00	0.00E+00	1.10E-07	2.34E-08	1.48E-07	2.29E-08	1.04E-08	3.15E-07
5740	488196.47	3857968.74	1.23E-03	1.37E-03	8.15E-04	4.27E-07	1.29E-06	7.46E-07	8.29E-07	7.51E-07	3.43E-07	2.04E-07	0.00E+00	0.00E+00	1.37E-07	2.81E-08	1.78E-07	2.75E-08	1.58E-08	3.87E-07
5741	488263.44	3858030.04	1.17E-03	1.30E-03	7.82E-04	4.04E-07	1.22E-06	7.07E-07	7.84E-07	7.11E-07	3.24E-07	1.96E-07	0.00E+00	0.00E+00	1.30E-07	2.66E-08	1.69E-07	2.60E-08	1.52E-08	3.67E-07
5742	488400.64	3858132.9	8.11E-04	9.24E-04	4.69E-04	2.81E-07	8.48E-07	4.91E-07	5.59E-07	5.07E-07	2.31E-07	1.17E-07	0.00E+00	0.00E+00	9.03E-08	1.90E-08	1.20E-07	1.86E-08	9.09E-09	2.57E-07
5743	488519.89	3858218.38	6.89E-04	7.91E-04	3.81E-04	2.39E-07	7.21E-07	4.17E-07	4.79E-07	4.34E-07	1.98E-07	9.54E-08	0.00E+00	0.00E+00	7.67E-08	1.62E-08	1.03E-07	1.59E-08	7.39E-09	2.19E-07
5744	488647.97	3858214.99	6.88E-04	7.89E-04	3.80E-04	2.38E-07	7.19E-07	4.16E-07	4.78E-07	4.33E-07	1.98E-07	9.51E-08	0.00E+00	0.00E+00	7.66E-08	1.62E-08	1.03E-07	1.59E-08	7.36E-09	2.19E-07
5745	488727.05	3858167.67	7.36E-04	8.43E-04	4.09E-04	2.55E-07	7.69E-07	4.45E-07	5.10E-07	4.63E-07	2.11E-07	1.02E-07	0.00E+00	0.00E+00	8.19E-08	1.73E-08	1.10E-07	1.69E-08	7.92E-09	2.34E-07
5746	488806.12	3858120.35	7.91E-04	9.06E-04	4.42E-04	2.74E-07	8.27E-07	4.79E-07	5.48E-07	4.97E-07	2.27E-07	1.11E-07	0.00E+00	0.00E+00	8.81E-08	1.86E-08	1.18E-07	1.82E-08	8.56E-09	2.52E-07
5747	488885.2	3858073.03	8.48E-04	9.71E-04	4.74E-04	2.93E-07	8.86E-07	5.13E-07	5.88E-07	5.33E-07	2.43E-07	1.19E-07	0.00E+00	0.00E+00	9.44E-08	1.99E-08	1.27E-07	1.95E-08	9.18E-09	2.70E-07
5748	489055.76	3857991.18	9.32E-04	1.07E-03	5.16E-04	3.22E-07	9.74E-07	5.64E-07	6.46E-07	5.86E-07	2.67E-07	1.29E-07	0.00E+00	0.00E+00	1.04E-07	2.19E-08	1.39E-07	2.15E-08	1.00E-08	2.96E-07
5749	489245.39	3857944.55	9.61E-04	1.10E-03	5.26E-04	3.33E-07	1.00E-06	5.81E-07	6.68E-07	6.06E-07	2.76E-07	1.32E-07	0.00E+00	0.00E+00	1.07E-07	2.27E-08	1.44E-07	2.22E-08	1.02E-08	3.06E-07
5750	489430.63	3857930.91	9.49E-04	1.09E-03	5.15E-04	3.28E-07	9.91E-07	5.74E-07	6.60E-07	5.99E-07	2.73E-07	1.29E-07	0.00E+00	0.00E+00	1.06E-07	2.24E-08	1.42E-07	2.19E-08	9.98E-09	3.02E-07
5751	489517.74	3857929.36	9.38E-04	1.08E-03	5.08E-04	3.25E-07	9.80E-07	5.67E-07	6.53E-07	5.92E-07	2.70E-07	1.27E-07	0.00E+00	0.00E+00	1.04E-07	2.22E-08	1.41E-07	2.17E-08	9.84E-09	2.99E-07
5752	489604.86	3857927.82	9.27E-04	1.07E-03	5.01E-04	3.21E-07	9.69E-07	5.61E-07	6.46E-07	5.86E-07	2.67E-07	1.25E-07	0.00E+00	0.00E+00	1.03E-07	2.19E-08	1.39E-07	2.15E-08	9.70E-09	2.96E-07
5753	489691.97	3857926.28	9.16E-04	1.06E-03	4.93E-04	3.17E-07	9.57E-07	5.54E-07	6.38E-07	5.79E-07	2.64E-07	1.23E-07	0.00E+00	0.00E+00	1.02E-07	2.17E-08	1.37E-07	2.12E-08	9.56E-09	2.92E-07
5754	489779.08	3857924.73	9.04E-04	1.04E-03	4.86E-04	3.13E-07	9.45E-07	5.47E-07	6.31E-07	5.72E-07	2.61E-07	1.22E-07	0.00E+00	0.00E+00	1.01E-07	2.14E-08	1.36E-07	2.09E-08	9.42E-09	2.88E-07
5755	490017.55	3857875.09	9.05E-04	1.04E-03	4.84E-04	3.13E-07	9.45E-07	5.47E-07	6.31E-07	5.72E-07	2.61E-07	1.21E-07	0.00E+00	0.00E+00	1.01E-07	2.14E-08	1.36E-07	2.10E-08	9.39E-09	2.88E-07
5756	490033.82	3857960.81	8.43E-04	9.72E-04	4.51E-04	2.92E-07	8.81E-07	5.10E-07	5.88E-07	5.33E-07	2.43E-07	1.13E-07	0.00E+00	0.00E+00	9.38E-08	2.00E-08	1.27E-07	1.95E-08	8.75E-09	2.69E-07
5757	489959.15	3857987.49	8.33E-04	9.61E-04	4.47E-04	2.88E-07	8.71E-07	5.04E-07	5.81E-07	5.27E-07	2.40E-07	1.12E-07	0.00E+00	0.00E+00	9.28E-08	1.97E-08	1.25E-07	1.93E-08	8.66E-09	2.66E-07
5758	489791.49	3858016.12	8.37E-04	9.65E-04	4.50E-04	2.90E-07	8.75E-07	5.06E-07	5.84E-07	5.29E-07	2.41E-07	1.13E-07	0.00E+00	0.00E+00	9.32E-08	1.98E-08	1.26E-07	1.94E-08	8.71E-09	2.67E-07
5759	489698.51	3858018.07	8.46E-04	9.75E-04	4.55E-04	2.93E-07	8.84E-07	5.12E-07	5.90E-07	5.35E-07	2.44E-07	1.14E-07	0.00E+00	0.00E+00	9.42E-08	2.00E-08	1.27E-07	1.96E-08	8.82E-09	2.70E-07
5760	489605.52	3858020.02	8.54E-04	9.84E-04	4.61E-04	2.96E-07	8.93E-07	5.17E-07	5.95E-07	5.40E-07	2.46E-07	1.15E-07	0.00E+00	0.00E+00	9.51E-08	2.02E-08	1.28E-07	1.98E-08	8.93E-09	2.72E-07
5761	489512.53	3858021.96	8.62E-04	9.92E-04	4.66E-04	2.98E-07	9.01E-07	5.21E-07	6.00E-07	5.44E-07	2.48E-07	1.17E-07	0.00E+00	0.00E+00	9.59E-08	2.04E-08	1.29E-07	1.99E-08	9.03E-09	2.75E-07
5762	489419.55	3858023.91	8.68E-04	9.99E-04	4.71E-04	3.00E-07	9.07E-07	5.25E-07	6.04E-07	5.48E-07	2.50E-07	1.18E-07	0.00E+00	0.00E+00	9.66E-08	2.05E-08	1.30E-07	2.01E-08	9.12E-09	2.76E-07
5763	489228.47	3858041.29	8.70E-04	1.00E-03	4.75E-04	3.01E-07	9.10E-07	5.27E-07	6.05E-07	5.49E-07	2.50E-07	1.19E-07	0.00E+00	0.00E+00	9.69E-08	2.06E-08	1.30E-07	2.01E-08	9.21E-09	2.77E-07
5764	489065.75	3858085.78	8.31E-04	9.54E-04	4.57E-04	2.88E-07	8.68E-07	5.03E-07	5.77E-07	5.23E-07	2.39E-07	1.14E-07	0.00E+00	0.00E+00	9.25E-08	1.96E-08	1.24E-07	1.92E-08	8.85E-09	2.64E-07
5765	489001.12	3858114.86	8.01E-04	9.19E-04	4.41E-04	2.77E-07	8.37E-07	4.84E-07	5.56E-07	5.04E-07	2.30E-07	1.10E-07	0.00E+00	0.00E+00	8.91E-08	1.89E-08	1.20E-07	1.85E-08	8.54E-09	2.55E-07
5766	488861.89	3858189.81	7.20E-04	8.27E-04	3.95E-04	2.49E-07	7.52E-07	4.35E-07	5.00E-07	4.53E-07	2.07E-07	9.89E-08	0.00E+00	0.00E+00	8.01E-08	1.70E-08	1.08E-07	1.66E-08	7.66E-09	2.29E-07
5767	488787.29	3858235.69	6.71E-04	7.72E-04	3.67E-04	2.32E-07	7.02E-07	4.06E-07	4.67E-07	4.23E-07	1.93E-07	9.20E-08	0.00E+00	0.00E+00	7.47E-08	1.58E-08	1.01E-07	1.55E-08	7.12E-09	2.14E-07
5768	488712.68	3858281.57	6.35E-04	7.30E-04	3.46E-04	2.20E-07	6.64E-07	3.84E-07	4.42E-07	4.00E-07	1.83E-07	8.65E-08	0.00E+00	0.00E+00	7.07E-08	1.50E-08	9.51E-08	1.47E-08	6.70E-09	2.02E-07

5769	488654.39	3858436.17	5.47E-04	6.31E-04	2.92E-04	1.89E-07	5.72E-07	3.31E-07	3.82E-07	3.46E-07	1.58E-07	7.31E-08	0.00E+00	0.00E+00	6.09E-08	1.30E-08	8.23E-08	1.27E-08	5.66E-09	1.74E-07
5770	488726.31	3858505.26	5.16E-04	5.96E-04	2.75E-04	1.79E-07	5.39E-07	3.12E-07	3.60E-07	3.27E-07	1.49E-07	6.88E-08	0.00E+00	0.00E+00	5.75E-08	1.22E-08	7.76E-08	1.20E-08	5.33E-09	1.65E-07
5771	488880.6	3858599.28	4.77E-04	5.50E-04	2.53E-04	1.65E-07	4.98E-07	2.88E-07	3.33E-07	3.02E-07	1.38E-07	6.34E-08	0.00E+00	0.00E+00	5.31E-08	1.13E-08	7.17E-08	1.11E-08	4.91E-09	1.52E-07
5772	489008.06	3858714.75	4.38E-04	5.06E-04	2.33E-04	1.52E-07	4.58E-07	2.65E-07	3.06E-07	2.78E-07	1.27E-07	5.83E-08	0.00E+00	0.00E+00	4.88E-08	1.04E-08	6.59E-08	1.02E-08	4.51E-09	1.40E-07
5773	489071.48	3858772.72	4.22E-04	4.87E-04	2.24E-04	1.46E-07	4.41E-07	2.55E-07	2.94E-07	2.67E-07	1.22E-07	5.61E-08	0.00E+00	0.00E+00	4.69E-08	1.00E-08	6.34E-08	9.78E-09	4.34E-09	1.34E-07
5774	489244.6	3858920.2	3.83E-04	4.42E-04	2.04E-04	1.33E-07	4.01E-07	2.32E-07	2.68E-07	2.43E-07	1.11E-07	5.11E-08	0.00E+00	0.00E+00	4.27E-08	9.08E-09	5.76E-08	8.89E-09	3.96E-09	1.22E-07
5775	489239.69	3858952.23	3.78E-04	4.36E-04	2.01E-04	1.31E-07	3.95E-07	2.29E-07	2.64E-07	2.39E-07	1.09E-07	5.04E-08	0.00E+00	0.00E+00	4.21E-08	8.96E-09	5.68E-08	8.76E-09	3.90E-09	1.21E-07
5776	489121.67	3858854.49	4.02E-04	4.64E-04	2.14E-04	1.39E-07	4.20E-07	2.43E-07	2.81E-07	2.54E-07	1.16E-07	5.35E-08	0.00E+00	0.00E+00	4.47E-08	9.53E-09	6.04E-08	9.32E-09	4.14E-09	1.28E-07
5777	489059.59	3858797.27	4.17E-04	4.81E-04	2.22E-04	1.44E-07	4.36E-07	2.52E-07	2.91E-07	2.64E-07	1.20E-07	5.55E-08	0.00E+00	0.00E+00	4.64E-08	9.88E-09	6.27E-08	9.67E-09	4.29E-09	1.33E-07
5778	488997.52	3858740.04	4.33E-04	5.00E-04	2.30E-04	1.50E-07	4.53E-07	2.62E-07	3.03E-07	2.74E-07	1.25E-07	5.76E-08	0.00E+00	0.00E+00	4.82E-08	1.03E-08	6.52E-08	1.01E-08	4.46E-09	1.38E-07
5779	488935.44	3858682.82	4.50E-04	5.20E-04	2.39E-04	1.56E-07	4.71E-07	2.73E-07	3.15E-07	2.85E-07	1.30E-07	5.99E-08	0.00E+00	0.00E+00	5.01E-08	1.07E-08	6.78E-08	1.05E-08	4.64E-09	1.44E-07
5780	488869.17	3858848.43	4.15E-04	4.79E-04	2.20E-04	1.44E-07	4.33E-07	2.51E-07	2.90E-07	2.63E-07	1.20E-07	5.52E-08	0.00E+00	0.00E+00	4.62E-08	9.83E-09	6.24E-08	9.62E-09	4.27E-09	1.32E-07
5781	488932.48	3858892.69	4.03E-04	4.65E-04	2.14E-04	1.39E-07	4.21E-07	2.44E-07	2.81E-07	2.55E-07	1.16E-07	5.36E-08	0.00E+00	0.00E+00	4.48E-08	9.55E-09	6.06E-08	9.34E-09	4.15E-09	1.28E-07
5782	489063.27	3858977.17	3.82E-04	4.41E-04	2.04E-04	1.32E-07	4.00E-07	2.31E-07	2.67E-07	2.42E-07	1.10E-07	5.10E-08	0.00E+00	0.00E+00	4.26E-08	9.06E-09	5.75E-08	8.86E-09	3.95E-09	1.22E-07
5783	489248.2	3859117.15	3.52E-04	4.06E-04	1.89E-04	1.22E-07	3.68E-07	2.13E-07	2.46E-07	2.23E-07	1.02E-07	4.72E-08	0.00E+00	0.00E+00	3.92E-08	8.34E-09	5.29E-08	8.16E-09	3.66E-09	1.12E-07
5784	489296.25	3859049.22	3.59E-04	4.14E-04	1.92E-04	1.24E-07	3.76E-07	2.17E-07	2.51E-07	2.27E-07	1.04E-07	4.80E-08	0.00E+00	0.00E+00	4.00E-08	8.51E-09	5.40E-08	8.33E-09	3.72E-09	1.15E-07
5785	489353.38	3858993.97	3.65E-04	4.21E-04	1.95E-04	1.26E-07	3.81E-07	2.21E-07	2.55E-07	2.31E-07	1.05E-07	4.87E-08	0.00E+00	0.00E+00	4.06E-08	8.65E-09	5.49E-08	8.46E-09	3.77E-09	1.16E-07
5786	489537.25	3859120.22	3.37E-04	3.89E-04	1.80E-04	1.17E-07	3.53E-07	2.04E-07	2.35E-07	2.13E-07	9.73E-08	4.52E-08	0.00E+00	0.00E+00	3.75E-08	7.99E-09	5.07E-08	7.82E-09	3.50E-09	1.08E-07
5787	489726.98	3859246.04	3.12E-04	3.59E-04	1.67E-04	1.08E-07	3.26E-07	1.89E-07	2.17E-07	1.97E-07	8.99E-08	4.18E-08	0.00E+00	0.00E+00	3.47E-08	7.38E-09	4.68E-08	7.22E-09	3.24E-09	9.93E-08
5788	489911.46	3859366.33	2.90E-04	3.34E-04	1.55E-04	1.00E-07	3.03E-07	1.76E-07	2.02E-07	1.83E-07	8.37E-08	3.89E-08	0.00E+00	0.00E+00	3.23E-08	6.87E-09	4.36E-08	6.72E-09	3.01E-09	9.25E-08
5789	490035.3	3859430.26	2.77E-04	3.20E-04	1.48E-04	9.59E-08	2.90E-07	1.68E-07	1.93E-07	1.75E-07	8.00E-08	3.72E-08	0.00E+00	0.00E+00	3.08E-08	6.56E-09	4.16E-08	6.42E-09	2.88E-09	8.83E-08
5790	490101.11	3859458.61	2.72E-04	3.13E-04	1.46E-04	9.41E-08	2.84E-07	1.64E-07	1.90E-07	1.72E-07	7.84E-08	3.64E-08	0.00E+00	0.00E+00	3.03E-08	6.44E-09	4.08E-08	6.30E-09	2.82E-09	8.67E-08
5791	490312.68	3859560.3	2.55E-04	2.94E-04	1.36E-04	8.82E-08	2.66E-07	1.54E-07	1.78E-07	1.61E-07	7.36E-08	3.41E-08	0.00E+00	0.00E+00	2.84E-08	6.04E-09	3.83E-08	5.91E-09	2.64E-09	8.13E-08
5792	490401.63	3859603.12	2.49E-04	2.87E-04	1.33E-04	8.60E-08	2.60E-07	1.50E-07	1.73E-07	1.57E-07	7.18E-08	3.32E-08	0.00E+00	0.00E+00	2.77E-08	5.89E-09	3.74E-08	5.76E-09	2.57E-09	7.93E-08
5793	490490.57	3859645.94	2.43E-04	2.80E-04	1.30E-04	8.40E-08	2.54E-07	1.47E-07	1.69E-07	1.54E-07	7.01E-08	3.24E-08	0.00E+00	0.00E+00	2.70E-08	5.75E-09	3.65E-08	5.63E-09	2.51E-09	7.74E-08
5794	490579.51	3859688.76	2.37E-04	2.74E-04	1.27E-04	8.22E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.86E-08	3.17E-08	0.00E+00	0.00E+00	2.64E-08	5.63E-09	3.57E-08	5.50E-09	2.45E-09	7.57E-08
5795	490668.45	3859731.58	2.33E-04	2.69E-04	1.24E-04	8.06E-08	2.43E-07	1.41E-07	1.63E-07	1.47E-07	6.72E-08	3.11E-08	0.00E+00	0.00E+00	2.59E-08	5.52E-09	3.50E-08	5.40E-09	2.40E-09	7.42E-08
5796	490757.4	3859774.4	2.27E-04	2.62E-04	1.21E-04	7.86E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.38E-09	3.42E-08	5.27E-09	2.34E-09	7.24E-08
5797	491003.53	3859861.82	2.17E-04	2.50E-04	1.15E-04	7.51E-08	2.27E-07	1.31E-07	1.51E-07	1.37E-07	6.27E-08	2.89E-08	0.00E+00	0.00E+00	2.41E-08	5.14E-09	3.26E-08	5.03E-09	2.23E-09	6.92E-08
5798	491081.41	3859879.05	2.15E-04	2.48E-04	1.14E-04	7.43E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.20E-08	2.86E-08	0.00E+00	0.00E+00	2.39E-08	5.09E-09	3.23E-08	4.98E-09	2.21E-09	6.85E-08
5799	491229.76	3859917.82	2.10E-04	2.43E-04	1.12E-04	7.27E-08	2.20E-07	1.27E-07	1.47E-07	1.33E-07	6.07E-08	2.79E-08	0.00E+00	0.00E+00	2.34E-08	4.98E-09	3.16E-08	4.88E-09	2.16E-09	6.70E-08
5800	491300.22	3859939.35	2.08E-04	2.40E-04	1.10E-04	7.18E-08	2.17E-07	1.26E-07	1.45E-07	1.31E-07	6.00E-08	2.76E-08	0.00E+00	0.00E+00	2.31E-08	4.92E-09	3.12E-08	4.82E-09	2.13E-09	6.62E-08
5801	491350.49	3860012.03	1.99E-04	2.29E-04	1.05E-04	6.87E-08	2.08E-07	1.20E-07	1.39E-07	1.26E-07	5.74E-08	2.64E-08	0.00E+00	0.00E+00	2.21E-08	4.71E-09	2.99E-08	4.61E-09	2.04E-09	6.33E-08
5802	491406.82	3860092.57	1.90E-04	2.20E-04	1.01E-04	6.58E-08	1.99E-07	1.15E-07	1.33E-07	1.20E-07	5.50E-08	2.52E-08	0.00E+00	0.00E+00	2.12E-08	4.51E-09	2.86E-08	4.41E-09	1.95E-09	6.07E-08
5803	491483.37	3860121.96	1.88E-04	2.17E-04	9.95E-05	6.50E-08	1.96E-07	1.14E-07	1.31E-07	1.19E-07	5.43E-08	2.49E-08	0.00E+00	0.00E+00	2.09E-08	4.45E-09	2.83E-08	4.36E-09	1.93E-09	5.99E-08
5804	491559.91	3860151.36	1.85E-04	2.14E-04	9.82E-05	6.41E-08	1.94E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.46E-08	0.00E+00	0.00E+00	2.06E-08	4.39E-09	2.79E-08	4.30E-09	1.90E-09	5.91E-08
5805	491711.81	3860237.76	1.82E-04	2.11E-04	9.65E-05	6.31E-08	1.91E-07	1.10E-07	1.27E-07	1.16E-07	5.27E-08	2.41E-08	0.00E+00	0.00E+00	2.03E-08	4.32E-09	2.74E-08	4.23E-09	1.87E-09	5.82E-08
5806	491755.2	3860319.07	1.70E-04	1.97E-04	9.01E-05	5.90E-08	1.78E-07	1.03E-07	1.19E-07	1.08E-07	4.93E-08	2.26E-08	0.00E+00	0.00E+00	1.90E-08	4.04E-09	2.56E-08	3.96E-09	1.75E-09	5.44E-08
5807	491704.71	3860366.54	1.67E-04	1.93E-04	8.83E-05	5.78E-08	1.74E-07	1.01E-07	1.17E-07	1.06E-07	4.83E-08	2.21E-08	0.00E+00	0.00E+00	1.86E-08	3.96E-09	2.51E-08	3.88E-09	1.71E-09	5.33E-08
5808	491623.43	3860462.39	1.60E-04	1.85E-04	8.48E-05	5.56E-08	1.68E-07	9.71E-08	1.12E-07	1.02E-07	4.64E-08	2.12E-08	0.00E+00	0.00E+00	1.79E-08	3.81E-09	2.42E-08	3.73E-09	1.64E-09	5.12E-08
5809	491534.02	3860439.85	1.67E-04	1.93E-04	8.85E-05	5.79E-08	1.75E-07	1.01E-07	1.17E-07	1.06E-07	4.84E-08	2.21E-08	0.00E+00	0.00E+00	1.86E-08	3.97E-09	2.52E-08	3.89E-09	1.71E-09	5.34E-08
5810	491313.95	3860268.18	1.74E-04	2.01E-04	9.22E-05	6.03E-08	1.82E-07	1.05E-07	1.22E-07	1.10E-07	5.03E-08	2.31E-08	0.00E+00	0.00E+00	1.94E-08	4.13E-09	2.62E-08	4.04E-09	1.79E-09	5.55E-08
5811	491187.12	3860143.56	1.86E-04	2.14E-04	9.85E-05	6.43E-08	1.94E-07	1.12E-07	1.30E-07	1.18E-07	5.37E-08	2.47E-08	0.00E+00	0.00E+00	2.07E-08	4.40E-09	2.80E-08	4.31E-09	1.91E-09	5.93E-08
5812	491070.43	3860075.97	1.93E-04	2.23E-04	1.03E-04	6.68E-08	2.02E-07	1.17E-07	1.35E-07	1.22E-07	5.58E-08	2.57E-08	0.00E+00	0.00E+00	2.15E-08	4.58E-09	2.90E-08	4.48E-09	1.99E-09	6.16E-08
5813	490995.09	3860039.39	1.97E-04	2.27E-04	1.05E-04	6.82E-08	2.06E-07	1.19E-07	1.38E-07	1.25E-07	5.69E-08	2.62E-08	0.00E+00	0.00E+00	2.19E-08	4.67E-09	2.96E-08	4.57E-09	2.03E-09	6.29E-08
5814	490919.75	3860002.8	2.01E-04	2.32E-04	1.07E-04	6.97E-08	2.10E-07	1.22E-07	1.41E-07	1.27E-07	5.81E-08	2.68E-08	0.00E+00	0.00E+00	2.24E-08	4.77E-09	3.03E-08	4.67E-09	2.07E-09	6.42E-08
5815	490756.81	3859894.53	2.14E-04	2.47E-04	1.14E-04	7.42E-08	2.24E-07	1.30E-07	1.50E-07	1.36E-07	6.19E-08	2.85E-08	0.00E+00	0.00E+00	2.38E-08	5.08E-09	3.22E-08	4.97E-09	2.21E-09	6.83E-08
5816	490668.07	3859860.92	2.18E-04	2.52E-04	1.16E-04	7.55E-08	2.28E-07	1.32E-07	1.52E-07	1.38E-07	6.30E-08	2.91E-08	0.00E+00	0.00E+00	2.43E-08	5.17E-09	3.28E-08	5.06E-09	2.25E-09	6.95E-08
5817	490579.34	3859827.3	2.23E-04	2.57E-04	1.19E-04	7.71E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.43E-08	2.97E-08	0.00E+00	0.00E+00	2.48E-08	5.28E-09	3.35E-08	5.16E-09	2.30E-09	7.10E-08
5818	490490.6	3859793.68	2.27E-04	2.62E-04	1.21E-04	7.86E-08	2.37E-07	1.37E-07	1.58E-07	1.44E-07	6.56E-08	3.03E-08	0.00E+00	0.00E+00	2.53E-08	5.38E-09	3.41E-08	5.26E-09	2.35E-09	7.24E-08
5819	490401.86	3859760.07	2.32E-04	2.67E-04	1.24E-04	8.02E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.69E-08	3.10E-08	0.00E+00	0.00E+00	2.58E-08	5.49E-09	3.48E-08	5.37E-09	2.40E-09	7.39E-08
5820	490313.12	3859726.45	2.37E-04	2.74E-04	1.27E-04	8.22E-08	2.48E-07	1.44E-07	1.66E-07	1.50E-07	6.85E-08	3.18E-08	0.00E+00	0.00E+00	2.64E-08	5.62E-09	3.57E-08	5.50E-09	2.46E-09	7.57E-08
5821	490224.39	3859692.83	2.43E-04	2.81E-04	1.30E-04	8.43E-08	2.54E-07	1.47E-07	1.70E-07	1.54E-07	7.03E-08	3.26E-08	0.00E+00	0.00E+00	2.71E-08	5.77E-09	3.66E-08	5.64E-09	2.53E-09	7.76E-08
5822	490135.65	3859659.22	2.50E-04	2.89E-04	1.34E-04	8.67E-08	2.62E-07	1.51E-07	1.75E-07	1.58E-07	7.22E-08	3.36E-08	0.00E+00	0.00E+00	2.79E-08	5.93E-09	3.76E-08	5.80E-09	2.60E-09	7.98E-08
5823	489918.19	3859559.23	2.70E-04	3.11E-04	1.45E-04	9.33E-08	2.82E-07	1.63E-07	1.88E-07	1.70E-07	7.78E-08	3.62E-08	0.00E+00	0.00E+00	3.00E-08	6.38E-09	4.05E-08	6.24E-09	2.81E-09	8.59E-08
5824	489743.61	3859486	2.85E-04	3.28E-04	1.53E-04	9.86E-08	2.98E-07	1.72E-07	1.99E-07	1.80E-07	8.21E-08	3.83E-08	0.00E+00	0.00E+00	3.17E-08	6.74E-09	4.28E-08	6.59E-09	2.97E-09	9.08E-08
5825	489660.32	3859440.27	2.93E-04	3.38E-04	1.58E-04	1.01E-07	3.06E-07	1.77E-07	2.04E-07	1.85E-07	8.45E-08	3.95E-08	0.00E+00	0.00E+00	3.26E-08	6.94E-09	4.40E-08	6.79E-09	3.06E-09	9.34E-08
5826	489577.04	3859394.53	3.02E-04	3.48E-04	1.62E-04	1.04E-07	3.15E-07	1.83E-07	2.10E-07	1.91E-07	8.70E-08	4.07E-08	0.00E+00	0.00E+00	3.36E-08	7.14E-09	4.53E-08	6.99E-09	3.15E-09	9.62E-08
5827	489493.75	3859348.8	3.10E-04	3.58E-04	1.67E-04	1.07E-07	3.24E-07	1.88E-07	2.16E-07	1.96E-07	8.95E-08	4.18E-08	0.00E+00	0.00E+00	3.46E-08	7.35E-09	4.66E-08	7.19E-09	3.24E-09	9.89E-08
5828	489321.28	3859240.02	3.31E-04	3.82E-04	1.78E-04	1.15E-07	3.46E-07	2.00E-07	2.31E-07	2.09E-07	9.55E-08	4.46E-08	0.00E+00	0.00E+00	3.69E-08	7.84E-09	4.97E-08	7.67E-09	3.45E-09	1.06E-07
5829	489235.41	3859193.96	3.41E-04	3.93E-04	1.83E-04	1.18E-07	3.57E-07	2.06E-07	2.38E-07	2.16E-07	9.84E-08	4.59E-08	0.00E+00	0.00E+00	3.80E-08	8.08E-09	5.12E-08	7.90E-09	3.55E-09	1.09E-07
5830	489149.54	3859147.89	3.50E-04	4.03E-04	1.88E-04	1.21E-07	3.65E-07	2.12E-07	2.44E-07	2.21E-07	1.01E-07	4.70E-08	0.00E+00	0.00E+00	3.89E-08	8.28E-09	5.25E-08	8.10E-09	3.64E-09	1.11E-07
5831	489063.68	3859101.82	3.59E-04	4.14E-04	1.93E-04	1.24E-07	3.76E-07	2.17E-07	2.51E-07	2.27E-07	1.04E-07	4.82E-08	0.00E+00	0.00E+00	4.00E-08	8.51E-09	5.40E-08	8.32E-09	3.73E-09	1.15E-07
5832	488977.81	3859055.75	3.69E-04	4.26E-04	1.98E-04	1.28E-07	3.86E-07	2.23E-07	2.58E-07	2.34E-07	1.07E-07	4.94E-08	0.00E+00	0.00E+00	4.11E-08	8.75E-09	5.55E-08	8.56E-09	3.83E-09	1.18E-07
5833	488891.94	3859009.69	3.77E-04	4.35E-04	2.02E-04	1.31E-07	3.94E-07	2.28E-07	2.63E-07	2.39E-07	1.09E-07	5.04E-08	0.00E+00	0.00E+00	4.20E-08	8.94E-09	5.67E-08	8.75E-09	3.91E-09	1.20E-07
5834	488808	3859060.73	3.64E-04	4.19E-04	1.95E-04	1.26E-07	3.80E-07	2.20E-07	2.54E-07	2.30E-07	1.05E-07	4.88E-08	0.00E+00	0.00E+00	4.05E-08	8.61E-09	5.47E-08	8.43E-09	3.78E-09	1.16E-07
5835	488809.93	3859157.85	3.43E-04	3.95E-04	1.85E-04	1.19E-07	3.58E-07	2.07E-07	2.39E-07	2.16E-07	9.88E-08	4.63E-08	0.00E+00	0.00E+00	3.81E-08	8.10E-09	5.14E-08	7.93E-09	3.58E-09	1.09E-07
5836	488811.86	3859254.96	3.24E-04	3.72E-04	1.76E-04	1.12E-07	3.38E-07	1.96E-07	2.25E-07	2.04E-07	9.32E-08	4.42E-08	0.00E+00	0.00E+00	3.60E-08	7.64E-09	4.85E-08	7.48E-09	3.42E-09	1.03E-07
5837	488813.78	3859352.07	3.05E-04	3.51E-04	1.68E-04	1.06E-07	3.19E-07	1.85E-07	2.12E-07	1.92E-07	8.78E-08	4.19E-08	0.00E+00	0.00E+00	3.40E-08	7.21E-09	4.57E-08	7.05E-09	3.25E-09	9.72E-08
5838	488815.71	3859449.19	2.90E-04	3.33E-04	1.61E-04	1.01E-07	3.04E-07	1.76E-07	2.02E-07	1.83E-07	8.34E-08	4.02E-08	0.00E+00	0.00E+00	3.23E-08	6.84E-09	4.34E-08	6.70E-09	3.11E-09	9.24E-08
5839	488910.04	3859547.11	2.81E-04	3.21E-04	1.57E-04	9.72E-08	2.93E-07	1.70E-07	1.94E-07	1.76E-07	8.04E-08	3.94E-08	0.00E+00	0.00E+00	3.12E-08	6.60E-09	4.19E-08	6.46E-09	3.05E-09	8.92E-08
5840	489002.45	3859547.91	2.80E-04	3.21E-04	1.56E-04	9.71E-08	2.93E-07	1.70E-07	1.94E-07	1.76E-07	8.04E-08	3.91E-08	0.00E+00	0.00E+00	3.12E-08	6.60E-09	4.19E-08	6.46E-09	3.03E-09	8.92E-08
5841	489094.85	3859548.72	2.81E-04	3.22E-04	1.56E-04	9.73E-08	2.94E-07	1.70E-07	1.95E-07	1.77E-07	8.07E-08	3.89E-08	0.00E+00	0.00E+00	3.13E-08	6.62E-09	4.20E-08	6.48E-09	3.01E-09	8.94E-08
5842	489230.05	3859601.87	2.74E-04	3.15E-04	1.51E-04	9.48E-08	2.86E-07	1.66E-07	1.90E-07	1.73E-07	7.87E-08	3.77E-08	0.00E+00	0.00E+00	3.05E-08	6.46E-09	4.10E-08	6.32E-09	2.92E-09	8.72E-08
5843	489227.52	3859680.89	2.62E-04	3.01E-04	1.45E-04	9.07E-08	2.74E-07	1.58E-07	1.82E-07	1.65E-07	7.52E-08	3.62E-08	0.00E+00	0.00E+00	2.92E-08	6.17E-09	3.92E-08	6.04E-09	2.80E-09	8.33E-08
5844	489133.47	3859760.29	2.51E-04	2.87E-04	1.40E-04	8.68E-08	2.62E-07	1.52E-07	1.74E-07	1.58E-07	7.19E-08	3.50E-08	0.00E+00	0.00E+00	2.79E-08	5.90E-09	3.74E-08	5.77E-09	2.71E-09	7.97E-08
5845	489041.96	3859760.67	2.52E-04	2.89E-04	1.42E-04	8.73E-08	2.64E-07	1.53E-07	1.75E-07	1.58E-07	7.22E-08	3.55E-08	0.00E+00	0.00E+00	2.81E-08	5.93E-09	3.76E-08	5.80E-09	2.75E-09	8.02E-08
5846	488950.45	3859761.05	2.55E-04	2.91E-04	1.45E-04	8.82E-08	2.66E-07	1.54E-07	1.76E-07	1.60E-07	7.28E-08	3.63E-08	0.00E+00	0.00E+00	2.84E-08	5.98E-09	3.79E-08	5.85E-09	2.81E-09	8.09E-08
5847	488858.94	3859761.43	2.59E-04	2.95E-04	1.50E-04	8.96E-08	2.71E-07	1.57E-07	1.79E-07	1.62E-07	7.38E-08	3.74E-08	0.00E+00	0.00E+00	2.88E-08	6.06E-09	3.84E-08	5.93E-09	2.90E-09	8.22E-08
5848	488767.43	3859761.82	2.65E-04	3.00E-04	1.56E-04	9.16E-08	2.77E-07	1.60E-07	1.82E-07	1.65E-07	7.52E-08	3.90E-08	0.00E+00	0.00E+00	2.95E-08	6.17E-09	3.91E-08	6.04E-09	3.02E-09	8.38E-08
5849	488675.92	3859762.2	2.74E-04	3.10E-04	1.66E-04	9.50E-08	2.87E-07	1.66E-07	1.88E-07	1.70E-07	7.76E-08	4.16E-08	0.00E+00	0.00E+00	3.05E-08	6.37E-09	4.04E-08	6.23E-09	3.22E-09	8.68E-08
5850	488584.41	3859762.58	2.89E-04	3.24E-04	1.81E-04	1.00E-07	3.02E-07	1.75E-07	1.96E-07	1.78E-07	8.11E-08	4.54E-08	0.00E+00	0.00E+00	3.21E-08	6.66E-09	4.22E-08	6.51E-09	3.51E-09	9.11E-08
5851	488492.9	3859762.96	3.03E-04	3.38E-04	1.97E-04	1.05E-07	3.17E-07	1.83E-07	2.05E-07	1.86E-07	8.47E-08	4.92E-08	0.00E+00	0.00E+00	3.38E-08	6.95E-09	4.41E-08	6.80E-09	3.81E-09	9.54E-08
5852	488402.76	3859830.95	2.41E-04	2.75E-04	1.39E-04	8.36E-08	2.52E-07	1.46E-07	1.66E-07	1.51E-07	6.88E-08	3.49E-08	0.00E+00	0.00E+00	2.69E-08	5.65E-09	3.59E-08	5.53E-09	2.70E-09	7.66E-08
5853	488404.14	3859898.55	2.20E-04	2.53E-04	1.22E-04	7.62E-08	2.30E-07	1.33E-07	1.53E-07	1.39E-07	6.32E-08	3.05E-08	0.00E+00	0.00E+00	2.45E-08	5.19E-09	3.29E-08	5.07E-09	2.36E-09	7.00E-08
5854	488505.18	3859964.96	2.19E-04	2.51E-04	1.23E-04	7.59E-08	2.29E-07	1.33E-07	1.52E-07	1.38E-07	6.28E-08	3.08E-08	0.00E+00	0.00E+00	2.44E-08	5.15E-09	3.27E-08	5.04E-09	2.39E-09	6.97E-08
5855	488604.85	3859963.76	2.24E-04	2.56E-04	1.27E-04	7.76E-08	2.34E-07	1.36E-07	1.55E-07	1.41E-07	6.41E-08	3.19E-08	0.00E+00	0.00E+00	2.50E-08	5.26E-09	3.34E-08	5.15E-09	2.47E-09	7.12E-08
5856	488704.51	3859962.56	2.27E-04	2.59E-04	1.29E-04	7.86E-08	2.37E-07	1.37E-07	1.57E-07	1.42E-07	6.49E-08	3.23E-08	0.00E+00	0.00E+00	2.53E-08	5.32E-09	3.38E-08	5.21E-09	2.50E-09	7.21E-08
5857	488804.18	3859961.37	2.28E-04	2.60E-04	1.29E-04	7.89E-08	2.38E-07	1.38E-07	1.58E-07	1.43E-07	6.52E-08	3.24E-08	0.00E+00	0.00E+00	2.54E-08	5.35E-09	3.39E-08	5.23E-09	2.51E-09	7.24E-08
5858	488903.85	3859960.17	2.28E-04	2.60E-04	1.28E-04	7.88E-08	2.38E-07	1.38E-07	1.58E-07	1.43E-07	6.52E-08	3.21E-08	0.00E+00	0.00E+00	2.53E-08	5.35E-09	3.39E-08	5.23E-09	2.49E-09	7.23E-08
5859	489003.52	3859958.97	2.27E-04	2.59E-04	1.27E-04	7.84E-08	2.37E-07	1.37E-07	1.57E-07	1.42E-07	6.49E-08	3.17E-08	0.00E+00	0.00E+00	2.52E-08	5.33E-09	3.38E-08	5.21E-09	2.46E-09	7.20E-08
5860	489103.18	3859957.77	2.25E-04	2.58E-04	1.25E-04	7.80E-08	2.36E-07	1.36E-07	1.56E-07	1.42E-07	6.47E-08	3.14E-08	0.00E+00	0.00E+00	2.51E-08	5.31E-09	3.37E-08	5.19E-09	2.43E-09	7.17E-08
5861	489201.48	3860046.59	2.14E-04	2.46E-04	1.18E-04	7.42E-08	2.24E-07	1.30E-07	1.49E-07	1.35E-07	6.16E-08	2.95E-08	0.00E+00	0.00E+00	2.39E-08	5.05E-09	3.21E-08	4.95E-09	2.28E-09	6.82E-08
5862	489200.11	3860136.61	2.04E-04	2.34E-04	1.12E-04	7.06E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.87E-08	2.80E-08	0.00E+00	0.00E+00	2.27E-08	4.81E-09	3.06E-08	4.71E-09	2.16E-09	6.50E-08
5863	489198.74	3860226.63	1.95E-04	2.24E-04	1.06E-04	6.74E-08	2.04E-07	1.18E-07	1.35E-07	1.23E-07	5.60E-08	2.66E-08	0.00E+00	0.00E+00	2.17E-08	4.60E-09	2.92E-08	4.50E-09	2.06E-09	6.20E-08
5864	489197.38	3860316.66	1.86E-04	2.14E-04	1.01E-04	6.43E-08	1.94E-07	1.12E-07	1.29E-07	1.17E-07	5.35E-08	2.52E-08	0.00E+00	0.00E+00	2.07E-08	4.39E-09	2.78E-08	4.29E-09	1.95E-09	5.91E-08
5865	489196.01	3860406.68	1.77E-04	2.04E-04	9.56E-05	6.13E-08	1.85E-07	1.07E-07	1.23E-07	1.12E-07	5.11E-08	2.39E-08	0.00E+00	0.00E+00	1.97E-08	4.19E-09	2.66E-08	4.10E-09	1.85E-09	5.64E-08
5866	489194.64	3860496.7	1.68E-04	1.94E-04	9.03E-05	5.83E-08	1.76E-07	1.02E-07	1.17E-07	1.06E-07	4.86E-08	2.26E-08	0.00E+00	0.00E+00	1.87E-08	3.99E-09	2.53E-08	3.90E-09	1.75E-09	5.37E-08
5867	489193.27	3860586.72	1.61E-04	1.86E-04	8.59E-05	5.57E-08	1.68E-07	9.74E-08	1.12E-07	1.02E-07	4.65E-08	2.15E-08	0.00E+00	0.00E+00	1.79E-08	3.81E-09	2.42E-08	3.73E-09	1.66E-09	5.13E-08
5868	489092.02	3860678.13	1.53E-04	1.77E-04	8.14E-05	5.30E-08	1.60E-07	9.27E-08	1.07E-07	9.70E-08	4.43E-08	2.04E-08	0.00E+00	0.00E+00	1.70E-08	3.63E-09	2.30E-08	3.55E-09	1.58E-09	4.89E-08
5869	488992.13	3860679.53	1.52E-04	1.76E-04	8.10E-05	5.27E-08	1.59E-07	9.21E-08	1.06E-07	9.64E-08	4.40E-08	2.03E-08	0.00E+00	0.00E+00	1.69E-08	3.61E-09	2.29E-08	3.53E-09	1.57E-09	4.86E-08
5870	488892.25	3860680.92	1.51E-04	1.75E-04	8.04E-05	5.23E-08	1.58E-07	9.15E-08	1.06E-07	9.57E-08	4.37E-08	2.01E-08	0.00E+00	0.00E+00	1.68E-08	3.58E-09	2.27E-08	3.51E-09	1.56E-09	4.82E-08
5871	488792.36	3860682.31	1.50E-04	1.73E-04	7.96E-05	5.18E-08	1.57E-07	9.06E-08	1.05E-07	9.48E-08	4.33E-08	1.99E-08	0.00E+00	0.00E+00	1.67E-08	3.55E-09	2.25E-08	3.47E-09	1.54E-09	4.78E-08
5872	488692.48	3860683.7	1.48E-04	1.71E-04	7.88E-05	5.14E-08	1.55E-07	8.98E-08	1.04E-07	9.39E-08	4.29E-08	1.97E-08	0.00E+00	0.00E+00	1.65E-08	3.52E-09	2.23E-08	3.44E-09	1.53E-09	4.73E-08
5873	488592.59	3860685.1	1.46E-04	1.69E-04	7.78E-05	5.07E-08	1.53E-07	8.86E-08	1.02E-07	9.27E-08	4.23E-08	1.95E-08	0.00E+00	0.00E+00	1.63E-08	3.47E-09	2.20E-08	3.40E-09	1.51E-09	4.67E-08

5874	488492.71	3860686.49	1.46E-04	1.68E-04	7.75E-05	5.05E-08	1.52E-07	8.83E-08	1.02E-07	9.24E-08	4.21E-08	1.94E-08	0.00E+00	0.00E+00	1.62E-08	3.46E-09	2.19E-08	3.38E-09	1.50E-09	4.65E-08
5875	488299.07	3860762.18	1.42E-04	1.64E-04	7.51E-05	4.91E-08	1.48E-07	8.58E-08	9.91E-08	8.98E-08	4.10E-08	1.88E-08	0.00E+00	0.00E+00	1.58E-08	3.36E-09	2.13E-08	3.29E-09	1.46E-09	4.52E-08
5876	488205.32	3860764.09	1.40E-04	1.62E-04	7.44E-05	4.86E-08	1.47E-07	8.50E-08	9.82E-08	8.90E-08	4.06E-08	1.86E-08	0.00E+00	0.00E+00	1.56E-08	3.33E-09	2.11E-08	3.26E-09	1.44E-09	4.48E-08
5877	488111.56	3860766	1.39E-04	1.61E-04	7.36E-05	4.81E-08	1.45E-07	8.41E-08	9.72E-08	8.81E-08	4.02E-08	1.84E-08	0.00E+00	0.00E+00	1.55E-08	3.30E-09	2.09E-08	3.23E-09	1.43E-09	4.44E-08
5878	488017.81	3860767.91	1.38E-04	1.59E-04	7.29E-05	4.77E-08	1.44E-07	8.34E-08	9.63E-08	8.73E-08	3.98E-08	1.82E-08	0.00E+00	0.00E+00	1.53E-08	3.27E-09	2.07E-08	3.20E-09	1.41E-09	4.40E-08
5879	487924.06	3860769.81	1.37E-04	1.58E-04	7.24E-05	4.74E-08	1.43E-07	8.29E-08	9.57E-08	8.68E-08	3.96E-08	1.81E-08	0.00E+00	0.00E+00	1.52E-08	3.25E-09	2.06E-08	3.18E-09	1.40E-09	4.37E-08
5880	487830.31	3860771.72	1.36E-04	1.58E-04	7.20E-05	4.72E-08	1.43E-07	8.25E-08	9.53E-08	8.64E-08	3.94E-08	1.80E-08	0.00E+00	0.00E+00	1.52E-08	3.24E-09	2.05E-08	3.17E-09	1.40E-09	4.35E-08
5881	487736.55	3860773.63	1.36E-04	1.57E-04	7.17E-05	4.70E-08	1.42E-07	8.22E-08	9.49E-08	8.61E-08	3.93E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.22E-09	2.04E-08	3.15E-09	1.39E-09	4.33E-08
5882	487642.8	3860775.54	1.36E-04	1.57E-04	7.15E-05	4.69E-08	1.42E-07	8.20E-08	9.48E-08	8.59E-08	3.92E-08	1.79E-08	0.00E+00	0.00E+00	1.51E-08	3.22E-09	2.04E-08	3.15E-09	1.39E-09	4.33E-08
5883	487549.48	3860684.71	1.40E-04	1.62E-04	7.40E-05	4.86E-08	1.47E-07	8.49E-08	9.81E-08	8.89E-08	4.06E-08	1.85E-08	0.00E+00	0.00E+00	1.56E-08	3.33E-09	2.11E-08	3.26E-09	1.43E-09	4.48E-08
5884	487549.91	3860591.97	1.45E-04	1.67E-04	7.64E-05	5.01E-08	1.51E-07	8.76E-08	1.01E-07	9.18E-08	4.19E-08	1.91E-08	0.00E+00	0.00E+00	1.61E-08	3.44E-09	2.18E-08	3.36E-09	1.48E-09	4.62E-08
5885	487550.34	3860499.23	1.50E-04	1.74E-04	7.94E-05	5.20E-08	1.57E-07	9.09E-08	1.05E-07	9.53E-08	4.35E-08	1.99E-08	0.00E+00	0.00E+00	1.67E-08	3.57E-09	2.26E-08	3.49E-09	1.54E-09	4.80E-08
5886	487550.76	3860406.49	1.57E-04	1.81E-04	8.28E-05	5.42E-08	1.64E-07	9.47E-08	1.09E-07	9.92E-08	4.53E-08	2.07E-08	0.00E+00	0.00E+00	1.74E-08	3.71E-09	2.36E-08	3.64E-09	1.60E-09	5.00E-08
5887	487551.19	3860313.75	1.63E-04	1.88E-04	8.62E-05	5.63E-08	1.70E-07	9.85E-08	1.14E-07	1.03E-07	4.70E-08	2.16E-08	0.00E+00	0.00E+00	1.81E-08	3.86E-09	2.45E-08	3.78E-09	1.67E-09	5.19E-08
5888	487551.62	3860221.01	1.70E-04	1.96E-04	8.98E-05	5.87E-08	1.77E-07	1.03E-07	1.18E-07	1.07E-07	4.90E-08	2.25E-08	0.00E+00	0.00E+00	1.89E-08	4.02E-09	2.55E-08	3.93E-09	1.74E-09	5.41E-08
5889	487552.05	3860128.27	1.78E-04	2.05E-04	9.42E-05	6.15E-08	1.86E-07	1.08E-07	1.24E-07	1.13E-07	5.14E-08	2.36E-08	0.00E+00	0.00E+00	1.98E-08	4.21E-09	2.67E-08	4.12E-09	1.83E-09	5.67E-08
5890	487552.48	3860035.53	1.86E-04	2.15E-04	9.87E-05	6.44E-08	1.95E-07	1.13E-07	1.30E-07	1.18E-07	5.38E-08	2.47E-08	0.00E+00	0.00E+00	2.07E-08	4.41E-09	2.80E-08	4.32E-09	1.91E-09	5.94E-08
5891	487552.91	3859942.79	1.94E-04	2.24E-04	1.03E-04	6.70E-08	2.02E-07	1.17E-07	1.35E-07	1.23E-07	5.60E-08	2.57E-08	0.00E+00	0.00E+00	2.16E-08	4.59E-09	2.91E-08	4.49E-09	1.99E-09	6.18E-08
5892	487553.33	3859850.05	2.04E-04	2.35E-04	1.08E-04	7.05E-08	2.13E-07	1.23E-07	1.42E-07	1.29E-07	5.88E-08	2.71E-08	0.00E+00	0.00E+00	2.27E-08	4.83E-09	3.06E-08	4.72E-09	2.10E-09	6.49E-08
5893	487553.76	3859757.31	2.13E-04	2.46E-04	1.13E-04	7.38E-08	2.23E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.84E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.94E-09	2.20E-09	6.80E-08
5894	487554.19	3859664.57	2.23E-04	2.58E-04	1.19E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.98E-08	0.00E+00	0.00E+00	2.49E-08	5.29E-09	3.36E-08	5.18E-09	2.30E-09	7.12E-08
5895	487460.2	3859571.05	2.32E-04	2.68E-04	1.23E-04	8.03E-08	2.42E-07	1.40E-07	1.62E-07	1.47E-07	6.70E-08	3.08E-08	0.00E+00	0.00E+00	2.58E-08	5.50E-09	3.49E-08	5.38E-09	2.39E-09	7.40E-08
5896	487365.78	3859570.27	2.30E-04	2.66E-04	1.22E-04	7.96E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.65E-08	3.05E-08	0.00E+00	0.00E+00	2.56E-08	5.45E-09	3.46E-08	5.34E-09	2.36E-09	7.34E-08
5897	487271.36	3859569.48	2.28E-04	2.63E-04	1.21E-04	7.88E-08	2.38E-07	1.38E-07	1.59E-07	1.44E-07	6.58E-08	3.02E-08	0.00E+00	0.00E+00	2.54E-08	5.40E-09	3.43E-08	5.29E-09	2.34E-09	7.27E-08
5898	487176.94	3859568.7	2.25E-04	2.60E-04	1.19E-04	7.80E-08	2.36E-07	1.36E-07	1.58E-07	1.43E-07	6.52E-08	2.99E-08	0.00E+00	0.00E+00	2.51E-08	5.35E-09	3.39E-08	5.23E-09	2.31E-09	7.19E-08
5899	487082.51	3859567.92	2.24E-04	2.59E-04	1.18E-04	7.75E-08	2.34E-07	1.35E-07	1.56E-07	1.42E-07	6.47E-08	2.96E-08	0.00E+00	0.00E+00	2.49E-08	5.31E-09	3.37E-08	5.20E-09	2.29E-09	7.14E-08
5900	486988.09	3859567.14	2.23E-04	2.58E-04	1.18E-04	7.72E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.95E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.36E-08	5.18E-09	2.28E-09	7.11E-08
5901	486893.67	3859566.36	2.23E-04	2.58E-04	1.18E-04	7.71E-08	2.33E-07	1.35E-07	1.56E-07	1.41E-07	6.45E-08	2.94E-08	0.00E+00	0.00E+00	2.48E-08	5.29E-09	3.36E-08	5.18E-09	2.28E-09	7.11E-08
5902	486799.25	3859565.58	2.23E-04	2.58E-04	1.18E-04	7.73E-08	2.33E-07	1.35E-07	1.56E-07	1.42E-07	6.46E-08	2.95E-08	0.00E+00	0.00E+00	2.49E-08	5.30E-09	3.36E-08	5.19E-09	2.28E-09	7.12E-08
5903	486704.83	3859564.79	2.24E-04	2.59E-04	1.18E-04	7.75E-08	2.34E-07	1.36E-07	1.57E-07	1.42E-07	6.48E-08	2.96E-08	0.00E+00	0.00E+00	2.49E-08	5.32E-09	3.37E-08	5.20E-09	2.29E-09	7.15E-08
5904	486610.41	3859564.01	2.25E-04	2.60E-04	1.18E-04	7.79E-08	2.35E-07	1.36E-07	1.57E-07	1.43E-07	6.51E-08	2.97E-08	0.00E+00	0.00E+00	2.50E-08	5.34E-09	3.39E-08	5.23E-09	2.30E-09	7.18E-08
5905	486515.99	3859563.23	2.25E-04	2.61E-04	1.19E-04	7.80E-08	2.36E-07	1.36E-07	1.58E-07	1.43E-07	6.52E-08	2.97E-08	0.00E+00	0.00E+00	2.51E-08	5.35E-09	3.40E-08	5.24E-09	2.30E-09	7.19E-08
5906	486421.57	3859562.45	2.27E-04	2.62E-04	1.19E-04	7.84E-08	2.37E-07	1.37E-07	1.59E-07	1.44E-07	6.56E-08	2.98E-08	0.00E+00	0.00E+00	2.52E-08	5.38E-09	3.41E-08	5.27E-09	2.31E-09	7.23E-08
5907	486327.14	3859561.67	2.28E-04	2.64E-04	1.20E-04	7.91E-08	2.39E-07	1.38E-07	1.60E-07	1.45E-07	6.61E-08	3.01E-08	0.00E+00	0.00E+00	2.54E-08	5.42E-09	3.44E-08	5.31E-09	2.33E-09	7.29E-08
5908	486232.72	3859560.89	2.29E-04	2.65E-04	1.20E-04	7.93E-08	2.39E-07	1.39E-07	1.60E-07	1.45E-07	6.63E-08	3.01E-08	0.00E+00	0.00E+00	2.55E-08	5.44E-09	3.45E-08	5.32E-09	2.33E-09	7.31E-08
5909	486138.3	3859560.1	2.30E-04	2.65E-04	1.21E-04	7.94E-08	2.40E-07	1.39E-07	1.61E-07	1.46E-07	6.64E-08	3.02E-08	0.00E+00	0.00E+00	2.55E-08	5.45E-09	3.46E-08	5.33E-09	2.34E-09	7.33E-08
5910	486043.88	3859559.32	2.29E-04	2.65E-04	1.20E-04	7.94E-08	2.40E-07	1.39E-07	1.60E-07	1.45E-07	6.64E-08	3.01E-08	0.00E+00	0.00E+00	2.55E-08	5.45E-09	3.46E-08	5.33E-09	2.33E-09	7.32E-08
5911	485949.35	3859463.54	2.41E-04	2.78E-04	1.26E-04	8.33E-08	2.51E-07	1.46E-07	1.68E-07	1.53E-07	6.96E-08	3.16E-08	0.00E+00	0.00E+00	2.68E-08	5.71E-09	3.63E-08	5.59E-09	2.45E-09	7.68E-08
5912	485949.24	3859368.55	2.53E-04	2.93E-04	1.33E-04	8.77E-08	2.65E-07	1.53E-07	1.77E-07	1.61E-07	7.33E-08	3.33E-08	0.00E+00	0.00E+00	2.82E-08	6.02E-09	3.82E-08	5.89E-09	2.58E-09	8.09E-08
5913	485949.12	3859273.55	2.68E-04	3.09E-04	1.41E-04	9.26E-08	2.80E-07	1.62E-07	1.87E-07	1.70E-07	7.74E-08	3.52E-08	0.00E+00	0.00E+00	2.98E-08	6.36E-09	4.03E-08	6.22E-09	2.72E-09	8.54E-08
5914	485949.01	3859178.56	2.83E-04	3.27E-04	1.49E-04	9.79E-08	2.96E-07	1.71E-07	1.98E-07	1.79E-07	8.19E-08	3.72E-08	0.00E+00	0.00E+00	3.15E-08	6.72E-09	4.26E-08	6.57E-09	2.88E-09	9.03E-08
5915	485948.9	3859083.56	3.00E-04	3.47E-04	1.58E-04	1.04E-07	3.14E-07	1.82E-07	2.10E-07	1.91E-07	8.69E-08	3.95E-08	0.00E+00	0.00E+00	3.34E-08	7.13E-09	4.53E-08	6.98E-09	3.06E-09	9.59E-08
5916	485948.79	3858988.56	3.18E-04	3.68E-04	1.67E-04	1.10E-07	3.33E-07	1.93E-07	2.23E-07	2.02E-07	9.22E-08	4.18E-08	0.00E+00	0.00E+00	3.54E-08	7.56E-09	4.80E-08	7.40E-09	3.24E-09	1.02E-07
5917	485948.67	3858893.57	3.38E-04	3.91E-04	1.77E-04	1.17E-07	3.53E-07	2.04E-07	2.37E-07	2.14E-07	9.78E-08	4.44E-08	0.00E+00	0.00E+00	3.76E-08	8.03E-09	5.09E-08	7.86E-09	3.44E-09	1.08E-07
5918	485948.56	3858798.57	3.61E-04	4.18E-04	1.89E-04	1.25E-07	3.77E-07	2.18E-07	2.53E-07	2.29E-07	1.05E-07	4.74E-08	0.00E+00	0.00E+00	4.02E-08	8.58E-09	5.44E-08	8.39E-09	3.67E-09	1.15E-07
5919	485948.45	3858703.58	3.83E-04	4.43E-04	2.01E-04	1.33E-07	4.00E-07	2.32E-07	2.68E-07	2.43E-07	1.11E-07	5.02E-08	0.00E+00	0.00E+00	4.26E-08	9.10E-09	5.77E-08	8.90E-09	3.89E-09	1.22E-07
5920	485948.34	3858608.58	4.09E-04	4.74E-04	2.15E-04	1.42E-07	4.28E-07	2.48E-07	2.87E-07	2.60E-07	1.19E-07	5.37E-08	0.00E+00	0.00E+00	4.56E-08	9.73E-09	6.17E-08	9.52E-09	4.16E-09	1.31E-07
5921	485948.22	3858513.59	4.39E-04	5.08E-04	2.30E-04	1.52E-07	4.59E-07	2.65E-07	3.07E-07	2.78E-07	1.27E-07	5.75E-08	0.00E+00	0.00E+00	4.88E-08	1.04E-08	6.61E-08	1.02E-08	4.45E-09	1.40E-07
5922	485948.11	3858418.59	4.70E-04	5.44E-04	2.46E-04	1.63E-07	4.92E-07	2.85E-07	3.29E-07	2.99E-07	1.36E-07	6.16E-08	0.00E+00	0.00E+00	5.24E-08	1.12E-08	7.09E-08	1.09E-08	4.77E-09	1.50E-07
5923	485948	3858323.59	5.08E-04	5.88E-04	2.66E-04	1.76E-07	5.31E-07	3.08E-07	3.56E-07	3.23E-07	1.47E-07	6.65E-08	0.00E+00	0.00E+00	5.66E-08	1.21E-08	7.66E-08	1.18E-08	5.15E-09	1.62E-07
5924	485947.89	3858228.6	5.48E-04	6.34E-04	2.86E-04	1.90E-07	5.73E-07	3.31E-07	3.84E-07	3.48E-07	1.59E-07	7.17E-08	0.00E+00	0.00E+00	6.10E-08	1.30E-08	8.26E-08	1.27E-08	5.55E-09	1.75E-07
5925	485947.77	3858133.6	5.91E-04	6.85E-04	3.09E-04	2.05E-07	6.18E-07	3.58E-07	4.14E-07	3.75E-07	1.71E-07	7.74E-08	0.00E+00	0.00E+00	6.58E-08	1.41E-08	8.92E-08	1.38E-08	5.99E-09	1.89E-07
5926	485947.66	3858038.61	6.49E-04	7.51E-04	3.39E-04	2.24E-07	6.78E-07	3.92E-07	4.54E-07	4.12E-07	1.88E-07	8.48E-08	0.00E+00	0.00E+00	7.22E-08	1.54E-08	9.78E-08	1.51E-08	6.57E-09	2.07E-07
5927	485854.54	3857943.35	6.90E-04	7.98E-04	3.60E-04	2.39E-07	7.21E-07	4.17E-07	4.83E-07	4.38E-07	2.00E-07	9.01E-08	0.00E+00	0.00E+00	7.68E-08	1.64E-08	1.04E-07	1.60E-08	6.98E-09	2.20E-07
5928	485761.52	3857943.09	6.75E-04	7.81E-04	3.52E-04	2.34E-07	7.05E-07	4.08E-07	4.73E-07	4.28E-07	1.95E-07	8.81E-08	0.00E+00	0.00E+00	7.51E-08	1.60E-08	1.02E-07	1.57E-08	6.82E-09	2.15E-07
5929	485668.51	3857942.83	6.62E-04	7.67E-04	3.46E-04	2.29E-07	6.92E-07	4.01E-07	4.64E-07	4.20E-07	1.92E-07	8.65E-08	0.00E+00	0.00E+00	7.37E-08	1.57E-08	9.99E-08	1.54E-08	6.70E-09	2.11E-07
5930	485575.5	3857942.56	6.47E-04	7.49E-04	3.38E-04	2.24E-07	6.76E-07	3.91E-07	4.53E-07	4.11E-07	1.87E-07	8.45E-08	0.00E+00	0.00E+00	7.20E-08	1.54E-08	9.76E-08	1.50E-08	6.54E-09	2.07E-07
5931	485482.48	3857942.3	6.35E-04	7.35E-04	3.31E-04	2.20E-07	6.64E-07	3.84E-07	4.45E-07	4.03E-07	1.84E-07	8.29E-08	0.00E+00	0.00E+00	7.07E-08	1.51E-08	9.58E-08	1.48E-08	6.42E-09	2.03E-07
5932	485389.47	3857942.04	6.23E-04	7.21E-04	3.25E-04	2.16E-07	6.51E-07	3.77E-07	4.36E-07	3.96E-07	1.80E-07	8.14E-08	0.00E+00	0.00E+00	6.93E-08	1.48E-08	9.40E-08	1.45E-08	6.30E-09	1.99E-07
5933	485296.46	3857941.78	6.12E-04	7.08E-04	3.19E-04	2.12E-07	6.39E-07	3.70E-07	4.28E-07	3.88E-07	1.77E-07	7.99E-08	0.00E+00	0.00E+00	6.81E-08	1.45E-08	9.23E-08	1.42E-08	6.18E-09	1.95E-07
5934	485203.45	3857941.52	6.03E-04	6.98E-04	3.14E-04	2.09E-07	6.30E-07	3.65E-07	4.22E-07	3.83E-07	1.75E-07	7.87E-08	0.00E+00	0.00E+00	6.71E-08	1.43E-08	9.09E-08	1.40E-08	6.09E-09	1.92E-07
5935	485110.43	3857941.26	5.91E-04	6.84E-04	3.08E-04	2.04E-07	6.17E-07	3.57E-07	4.14E-07	3.75E-07	1.71E-07	7.71E-08	0.00E+00	0.00E+00	6.57E-08	1.40E-08	8.91E-08	1.37E-08	5.97E-09	1.89E-07
5936	485017.42	3857940.99	5.78E-04	6.69E-04	3.01E-04	2.00E-07	6.04E-07	3.50E-07	4.05E-07	3.67E-07	1.67E-07	7.54E-08	0.00E+00	0.00E+00	6.43E-08	1.37E-08	8.71E-08	1.34E-08	5.84E-09	1.84E-07
5937	484924.41	3857940.73	5.65E-04	6.54E-04	2.95E-04	1.96E-07	5.91E-07	3.42E-07	3.96E-07	3.59E-07	1.64E-07	7.38E-08	0.00E+00	0.00E+00	6.29E-08	1.34E-08	8.52E-08	1.31E-08	5.71E-09	1.80E-07
5938	484831.39	3857940.47	5.54E-04	6.41E-04	2.89E-04	1.92E-07	5.79E-07	3.35E-07	3.88E-07	3.52E-07	1.60E-07	7.23E-08	0.00E+00	0.00E+00	6.16E-08	1.32E-08	8.35E-08	1.29E-08	5.60E-09	1.77E-07
5939	484738.12	3857859.3	5.71E-04	6.61E-04	2.98E-04	1.98E-07	5.96E-07	3.45E-07	4.00E-07	3.62E-07	1.65E-07	7.45E-08	0.00E+00	0.00E+00	6.35E-08	1.36E-08	8.61E-08	1.33E-08	5.77E-09	1.82E-07
5940	484737.85	3857778.4	6.02E-04	6.97E-04	3.14E-04	2.08E-07	6.29E-07	3.64E-07	4.22E-07	3.82E-07	1.74E-07	7.86E-08	0.00E+00	0.00E+00	6.70E-08	1.43E-08	9.09E-08	1.40E-08	6.09E-09	1.92E-07
5941	484737.59	3857697.49	6.34E-04	7.34E-04	3.31E-04	2.19E-07	6.63E-07	3.84E-07	4.44E-07	4.03E-07	1.84E-07	8.27E-08	0.00E+00	0.00E+00	7.06E-08	1.51E-08	9.56E-08	1.48E-08	6.41E-09	2.02E-07
5942	484737.32	3857616.59	6.66E-04	7.71E-04	3.47E-04	2.30E-07	6.96E-07	4.03E-07	4.66E-07	4.23E-07	1.93E-07	8.69E-08	0.00E+00	0.00E+00	7.41E-08	1.58E-08	1.00E-07	1.55E-08	6.73E-09	2.13E-07
5943	484645.53	3857535.18	6.79E-04	7.87E-04	3.54E-04	2.35E-07	7.10E-07	4.11E-07	4.76E-07	4.31E-07	1.97E-07	8.87E-08	0.00E+00	0.00E+00	7.56E-08	1.62E-08	1.03E-07	1.58E-08	6.87E-09	2.17E-07
5944	484553.99	3857534.67	6.57E-04	7.60E-04	3.43E-04	2.27E-07	6.86E-07	3.97E-07	4.60E-07	4.17E-07	1.90E-07	8.57E-08	0.00E+00	0.00E+00	7.31E-08	1.56E-08	9.91E-08	1.53E-08	6.64E-09	2.10E-07
5945	484462.46	3857534.17	6.37E-04	7.37E-04	3.32E-04	2.20E-07	6.66E-07	3.85E-07	4.46E-07	4.04E-07	1.85E-07	8.31E-08	0.00E+00	0.00E+00	7.09E-08	1.51E-08	9.61E-08	1.48E-08	6.44E-09	2.03E-07
5946	484370.93	3857533.66	6.16E-04	7.14E-04	3.22E-04	2.13E-07	6.44E-07	3.73E-07	4.32E-07	3.91E-07	1.79E-07	8.05E-08	0.00E+00	0.00E+00	6.86E-08	1.47E-08	9.30E-08	1.43E-08	6.23E-09	1.97E-07
5947	484279.4	3857533.16	5.97E-04	6.91E-04	3.12E-04	2.07E-07	6.24E-07	3.61E-07	4.18E-07	3.79E-07	1.73E-07	7.80E-08	0.00E+00	0.00E+00	6.65E-08	1.42E-08	9.01E-08	1.39E-08	6.04E-09	1.91E-07
5948	484187.86	3857532.65	5.78E-04	6.69E-04	3.01E-04	2.00E-07	6.04E-07	3.50E-07	4.05E-07	3.67E-07	1.67E-07	7.54E-08	0.00E+00	0.00E+00	6.43E-08	1.37E-08	8.71E-08	1.34E-08	5.84E-09	1.84E-07
5949	484096.33	3857532.15	5.60E-04	6.48E-04	2.92E-04	1.94E-07	5.85E-07	3.39E-07	3.92E-07	3.55E-07	1.62E-07	7.31E-08	0.00E+00	0.00E+00	6.23E-08	1.33E-08	8.45E-08	1.30E-08	5.66E-09	1.79E-07
5950	484004.8	3857531.64	5.40E-04	6.25E-04	2.82E-04	1.87E-07	5.65E-07	3.27E-07	3.78E-07	3.43E-07	1.57E-07	7.05E-08	0.00E+00	0.00E+00	6.01E-08	1.28E-08	8.15E-08	1.26E-08	5.46E-09	1.73E-07
5951	483913.27	3857531.14	5.20E-04	6.02E-04	2.71E-04	1.80E-07	5.43E-07	3.14E-07	3.64E-07	3.30E-07	1.51E-07	6.79E-08	0.00E+00	0.00E+00	5.78E-08	1.24E-08	7.84E-08	1.21E-08	5.25E-09	1.66E-07
5952	483821.73	3857530.63	5.02E-04	5.81E-04	2.62E-04	1.74E-07	5.25E-07	3.04E-07	3.52E-07	3.19E-07	1.46E-07	6.56E-08	0.00E+00	0.00E+00	5.59E-08	1.19E-08	7.58E-08	1.17E-08	5.08E-09	1.60E-07
5953	483729.61	3857450.11	5.03E-04	5.83E-04	2.63E-04	1.74E-07	5.26E-07	3.05E-07	3.52E-07	3.20E-07	1.46E-07	6.57E-08	0.00E+00	0.00E+00	5.60E-08	1.20E-08	7.59E-08	1.17E-08	5.09E-09	1.61E-07
5954	483729.03	3857370.08	5.24E-04	6.06E-04	2.73E-04	1.81E-07	5.47E-07	3.17E-07	3.67E-07	3.33E-07	1.52E-07	6.84E-08	0.00E+00	0.00E+00	5.83E-08	1.25E-08	7.90E-08	1.22E-08	5.30E-09	1.67E-07
5955	483728.44	3857290.06	5.42E-04	6.27E-04	2.83E-04	1.88E-07	5.66E-07	3.28E-07	3.80E-07	3.44E-07	1.57E-07	7.08E-08	0.00E+00	0.00E+00	6.03E-08	1.29E-08	8.17E-08	1.26E-08	5.48E-09	1.73E-07
5956	483727.86	3857210.03	5.60E-04	6.48E-04	2.92E-04	1.94E-07	5.85E-07	3.39E-07	3.92E-07	3.55E-07	1.62E-07	7.31E-08	0.00E+00	0.00E+00	6.23E-08	1.33E-08	8.44E-08	1.30E-08	5.66E-09	1.79E-07
5957	483641.15	3857129.07	5.58E-04	6.46E-04	2.91E-04	1.93E-07	5.83E-07	3.38E-07	3.91E-07	3.54E-07	1.62E-07	7.29E-08	0.00E+00	0.00E+00	6.21E-08	1.33E-08	8.42E-08	1.30E-08	5.65E-09	1.78E-07
5958	483555.03	3857128.14	5.36E-04	6.21E-04	2.80E-04	1.86E-07	5.61E-07	3.25E-07	3.76E-07	3.41E-07	1.55E-07	7.01E-08	0.00E+00	0.00E+00	5.97E-08	1.28E-08	8.09E-08	1.25E-08	5.43E-09	1.71E-07
5959	483468.91	3857127.2	5.12E-04	5.93E-04	2.68E-04	1.77E-07	5.36E-07	3.10E-07	3.59E-07	3.25E-07	1.48E-07	6.70E-08	0.00E+00	0.00E+00	5.70E-08	1.22E-08	7.73E-08	1.19E-08	5.19E-09	1.64E-07
5960	483382.78	3857126.26	4.95E-04	5.73E-04	2.58E-04	1.71E-07	5.17E-07	2.99E-07	3.47E-07	3.14E-07	1.43E-07	6.47E-08	0.00E+00	0.00E+00	5.51E-08	1.18E-08	7.46E-08	1.15E-08	5.01E-09	1.58E-07
5961	483296.66	3857125.32	4.76E-04	5.51E-04	2.49E-04	1.65E-07	4.98E-07	2.88E-07	3.33E-07	3.02E-07	1.38E-07	6.22E-08	0.00E+00	0.00E+00	5.30E-08	1.13E-08	7.18E-08	1.11E-08	4.82E-09	1.52E-07
5962	483210.54	3857124.39	4.57E-04	5.29E-04	2.39E-04	1.58E-07	4.78E-07	2.77E-07	3.20E-07	2.90E-07	1.32E-07	5.98E-08	0.00E+00	0.00E+00	5.09E-08	1.09E-08	6.90E-08	1.06E-08	4.63E-09	1.46E-07
5963	483123.4	3857030.96	4.53E-04	5.25E-04	2.37E-04	1.57E-07	4.74E-07	2.74E-07	3.17E-07	2.88E-07	1.31E-07	5.92E-08	0.00E+00	0.00E+00	5.05E-08	1.08E-08	6.84E-08	1.05E-08	4.59E-09	1.45E-07
5964	483122.38	3856938.46	4.68E-04	5.42E-04	2.45E-04	1.62E-07	4.89E-07	2.83E-07	3.28E-07	2.97E-07	1.36E-07	6.12E-08	0.00E+00	0.00E+00	5.21E-08	1.11E-08	7.06E-08	1.09E-08	4.74E-09	1.50E-07
5965	483121.35	3856845.97	4.84E-04	5.60E-04	2.53E-04	1.67E-07	5.05E-07	2.93E-07	3.39E-07	3.07E-07	1.40E-07	6.32E-08	0.00E+00	0.00E+00	5.38E-08	1.15E-08	7.29E-08	1.12E-08	4.89E-09	1.54E-07
5966	483120.33	3856753.47	4.95E-04	5.73E-04	2.58E-04	1.71E-07	5.17E-07	2.99E-07	3.47E-07	3.14E-07	1.43E-07	6.47E-08	0.00E+00	0.00E+00	5.51E-08	1.18E-08	7.46E-08	1.15E-08	5.01E-09	1.58E-07
5967	483119.31	3856660.98	5.06E-04	5.86E-04	2.65E-04	1.75E-07	5.29E-07	3.06E-07	3.55E-07	3.22E-07	1.47E-07	6.62E-08	0.00E+00	0.00E+00	5.64E-08	1.20E-08	7.64E-08	1.18E-08	5.13E-09	1.62E-07
5968	483118.29	3856568.49	5.21E-04	6.02E-04	2.72E-04	1.80E-07	5.44E-07	3.15E-07	3.65E-07	3.30E-07	1.51E-07	6.81E-08	0.00E+00	0.00E+00	5.79E-08	1.24E-08	7.85E-08	1.21E-08	5.27E-09	1.66E-07
5969	483117.26	3856475.99	5.36E-04	6.20E-04	2.80E-04	1.86E-07	5.60E-07	3.24E-07	3.75E-07	3.40E-07	1.55E-07	7.01E-08	0.00E+00	0.00E+00	5.97E-08	1.27E-08	8.09E-08	1.25E-08	5.43E-09	1.71E-07
5970	483116.24	3856383.5	5.50E-04	6.37E-04	2.88E-04	1.90E-07	5.75E-07	3.33E-07	3.85E-07	3.49E-07	1.59E-07	7.20E-08	0.00E+00	0.00E+00	6.12E-08	1.31E-08	8.30E-08	1.28E-08	5.58E-09	1.76E-07
5971	483115.22	3856291.01	5.64E-04	6.53E-04	2.95E-04	1.95E-07	5.90E-07	3.42E-07	3.95E-07	3.58E-07	1.63E-07	7.39E-08	0.00E+00	0.00E+00	6.28E-08	1.34E-08	8.51E-08	1.31E-08	5.73E-09	1.80E-07
5972	483114.2	3856198.51	5.75E-04	6.66E-04	3.01E-04	1.99E-07	6.01E-07	3.48E-07	4.03E-07	3.65E-07	1.67E-07	7.54E-08	0.00E+00	0.00E+00	6.41E-08	1.37E-08	8.68E-08	1.34E-08	5.84E-09	1.84E-07
5973	483113.17	3856106.02	5.90E-04	6.83E-04	3.09E-04	2.04E-07	6.17E-07	3.57E-07	4.13E-07	3.75E-07	1.71E-07	7.74E-08	0.00E+00	0.00E+00	6.57E-08	1.40E-08	8.90E-08	1.37E-08	5.99E-09	1.88E-07
5974	483112.15	3856013.52	5.98E-04	6.92E-04	3.13E-04	2.07E-07	6.25E-07	3.62E-07	4.19E-07	3.80E-07	1.73E-07	7.84E-08	0.00E+00	0.00E+00	6.66E-08	1.42E-08	9.02E-08	1.39E-08	6.07E-09	1.91E-07
5975	483029.25	3855920.47	5.72E-04	6.62E-04	2.99E-04	1.98E-07	5.98E-07	3.46E-07	4.01E-07	3.63E-07	1.66E-07	7.49E-08	0.00E+00	0.00E+00	6.37E-08	1.36E-08	8.63E-08	1.33E-08	5.80E-09	1.83E-07
5976	482947.37	3855919.91	5.43E-04	6.28E-04	2.84E-04	1.88E-07	5.68E-07	3.29E-07	3.80E-07	3.45E-07	1.57E-07	7.11E-08	0.00E+00	0.00E+00	6.04E-08	1.29E-08	8.19E-08	1.26E-08	5.50E-09	1.73E-07
5977	482865.49	3855919.36	5.15E-04	5.96E-04	2.69E-04	1.78E-07	5.39E-07	3.12E-07	3.61E-07	3.27E-07	1.49E-07	6.74E-08	0.00E+00	0.00E+00	5.74E-08	1.22E-08	7.77E-08	1.20E-08	5.22E-09	1.65E-07
5978	482783.61	3855918.8	4.92E-04	5.70E-04	2.57E-04	1.70E-07	5.14E-07	2.98E-07	3.45E-07	3.12E-07	1.43E-07	6.44E-08	0.00E+00	0.00E+00	5.48E-08	1.17E-08	7.42E-08	1.14E-08	4.99E-09	1.57E-07

5979	482700.33	3855818.39	4.68E-04	5.42E-04	2.45E-04	1.62E-07	4.89E-07	2.83E-07	3.28E-07	2.97E-07	1.36E-07	6.13E-08	0.00E+00	0.00E+00	5.21E-08	1.11E-08	7.06E-08	1.09E-08	4.74E-09	1.49E-07
5980	482698.92	3855718.54	4.68E-04	5.42E-04	2.45E-04	1.62E-07	4.89E-07	2.83E-07	3.28E-07	2.97E-07	1.36E-07	6.12E-08	0.00E+00	0.00E+00	5.21E-08	1.11E-08	7.06E-08	1.09E-08	4.74E-09	1.49E-07
5981	482697.52	3855618.68	4.65E-04	5.39E-04	2.43E-04	1.61E-07	4.86E-07	2.82E-07	3.26E-07	2.95E-07	1.35E-07	6.08E-08	0.00E+00	0.00E+00	5.18E-08	1.11E-08	7.02E-08	1.08E-08	4.71E-09	1.49E-07
5982	482696.11	3855518.83	4.65E-04	5.38E-04	2.43E-04	1.61E-07	4.86E-07	2.81E-07	3.25E-07	2.95E-07	1.35E-07	6.07E-08	0.00E+00	0.00E+00	5.17E-08	1.10E-08	7.01E-08	1.08E-08	4.70E-09	1.48E-07
5983	482694.71	3855418.98	4.58E-04	5.30E-04	2.39E-04	1.59E-07	4.79E-07	2.77E-07	3.21E-07	2.91E-07	1.33E-07	5.98E-08	0.00E+00	0.00E+00	5.10E-08	1.09E-08	6.91E-08	1.07E-08	4.63E-09	1.46E-07
5984	482693.3	3855319.13	4.49E-04	5.20E-04	2.34E-04	1.55E-07	4.69E-07	2.72E-07	3.14E-07	2.85E-07	1.30E-07	5.87E-08	0.00E+00	0.00E+00	5.00E-08	1.07E-08	6.77E-08	1.04E-08	4.54E-09	1.43E-07
5985	482691.9	3855219.27	4.41E-04	5.10E-04	2.30E-04	1.53E-07	4.61E-07	2.67E-07	3.09E-07	2.80E-07	1.28E-07	5.77E-08	0.00E+00	0.00E+00	4.91E-08	1.05E-08	6.65E-08	1.03E-08	4.46E-09	1.41E-07
5986	482690.49	3855119.42	4.30E-04	4.97E-04	2.25E-04	1.49E-07	4.49E-07	2.60E-07	3.01E-07	2.73E-07	1.24E-07	5.63E-08	0.00E+00	0.00E+00	4.78E-08	1.02E-08	6.48E-08	9.99E-09	4.36E-09	1.37E-07
5987	482689.09	3855019.57	4.21E-04	4.87E-04	2.21E-04	1.46E-07	4.40E-07	2.55E-07	2.95E-07	2.67E-07	1.22E-07	5.52E-08	0.00E+00	0.00E+00	4.68E-08	1.00E-08	6.34E-08	9.78E-09	4.27E-09	1.34E-07
5988	482687.68	3854919.72	4.06E-04	4.69E-04	2.13E-04	1.40E-07	4.24E-07	2.45E-07	2.84E-07	2.57E-07	1.17E-07	5.32E-08	0.00E+00	0.00E+00	4.51E-08	9.63E-09	6.11E-08	9.43E-09	4.12E-09	1.29E-07
5989	482686.28	3854819.86	3.89E-04	4.50E-04	2.04E-04	1.35E-07	4.07E-07	2.36E-07	2.73E-07	2.47E-07	1.13E-07	5.10E-08	0.00E+00	0.00E+00	4.33E-08	9.25E-09	5.87E-08	9.05E-09	3.95E-09	1.24E-07
5990	482684.88	3854720.01	3.67E-04	4.25E-04	1.92E-04	1.27E-07	3.83E-07	2.22E-07	2.57E-07	2.33E-07	1.06E-07	4.80E-08	0.00E+00	0.00E+00	4.08E-08	8.72E-09	5.53E-08	8.53E-09	3.72E-09	1.17E-07
5991	482683.47	3854620.16	3.47E-04	4.01E-04	1.81E-04	1.20E-07	3.63E-07	2.10E-07	2.43E-07	2.20E-07	1.00E-07	4.54E-08	0.00E+00	0.00E+00	3.86E-08	8.24E-09	5.23E-08	8.07E-09	3.51E-09	1.11E-07
5992	482682.07	3854520.31	3.26E-04	3.77E-04	1.70E-04	1.13E-07	3.41E-07	1.97E-07	2.28E-07	2.07E-07	9.45E-08	4.26E-08	0.00E+00	0.00E+00	3.63E-08	7.75E-09	4.92E-08	7.59E-09	3.30E-09	1.04E-07
5993	482680.66	3854420.45	3.09E-04	3.57E-04	1.61E-04	1.07E-07	3.22E-07	1.87E-07	2.16E-07	1.96E-07	8.94E-08	4.03E-08	0.00E+00	0.00E+00	3.43E-08	7.33E-09	4.65E-08	7.18E-09	3.12E-09	9.85E-08
5994	482679.26	3854320.6	2.94E-04	3.40E-04	1.53E-04	1.02E-07	3.07E-07	1.78E-07	2.06E-07	1.87E-07	8.51E-08	3.84E-08	0.00E+00	0.00E+00	3.27E-08	6.99E-09	4.43E-08	6.84E-09	2.97E-09	9.39E-08
5995	482677.85	3854220.75	2.84E-04	3.28E-04	1.48E-04	9.82E-08	2.96E-07	1.72E-07	1.99E-07	1.80E-07	8.22E-08	3.70E-08	0.00E+00	0.00E+00	3.16E-08	6.74E-09	4.28E-08	6.60E-09	2.87E-09	9.06E-08
5996	482676.45	3854120.9	2.67E-04	3.09E-04	1.39E-04	9.25E-08	2.79E-07	1.62E-07	1.87E-07	1.70E-07	7.74E-08	3.49E-08	0.00E+00	0.00E+00	2.97E-08	6.35E-09	4.03E-08	6.21E-09	2.70E-09	8.53E-08
5997	482675.04	3854021.04	2.50E-04	2.89E-04	1.30E-04	8.65E-08	2.61E-07	1.51E-07	1.75E-07	1.59E-07	7.24E-08	3.26E-08	0.00E+00	0.00E+00	2.78E-08	5.94E-09	3.77E-08	5.81E-09	2.53E-09	7.98E-08
5998	482673.64	3853921.19	2.30E-04	2.67E-04	1.20E-04	7.97E-08	2.41E-07	1.39E-07	1.61E-07	1.46E-07	6.67E-08	3.01E-08	0.00E+00	0.00E+00	2.56E-08	5.47E-09	3.47E-08	5.36E-09	2.33E-09	7.35E-08
5999	482672.23	3853821.34	2.12E-04	2.46E-04	1.11E-04	7.36E-08	2.22E-07	1.29E-07	1.49E-07	1.35E-07	6.16E-08	2.78E-08	0.00E+00	0.00E+00	2.37E-08	5.05E-09	3.21E-08	4.94E-09	2.15E-09	6.79E-08
6000	482670.83	3853721.49	1.96E-04	2.27E-04	1.02E-04	6.79E-08	2.05E-07	1.19E-07	1.37E-07	1.25E-07	5.68E-08	2.56E-08	0.00E+00	0.00E+00	2.18E-08	4.66E-09	2.96E-08	4.56E-09	1.99E-09	6.26E-08
6001	482669.42	3853621.63	1.83E-04	2.12E-04	9.56E-05	6.34E-08	1.91E-07	1.11E-07	1.28E-07	1.16E-07	5.30E-08	2.39E-08	0.00E+00	0.00E+00	2.04E-08	4.35E-09	2.76E-08	4.26E-09	1.85E-09	5.85E-08
6002	482645.99	3853446.13	1.72E-04	1.99E-04	8.96E-05	5.94E-08	1.79E-07	1.04E-07	1.20E-07	1.09E-07	4.97E-08	2.24E-08	0.00E+00	0.00E+00	1.91E-08	4.08E-09	2.59E-08	3.99E-09	1.74E-09	5.48E-08
6003	482623.97	3853370.49	1.69E-04	1.96E-04	8.84E-05	5.86E-08	1.77E-07	1.02E-07	1.19E-07	1.07E-07	4.90E-08	2.21E-08	0.00E+00	0.00E+00	1.88E-08	4.02E-09	2.55E-08	3.94E-09	1.71E-09	5.40E-08
6004	482601.94	3853294.84	1.68E-04	1.95E-04	8.79E-05	5.83E-08	1.76E-07	1.02E-07	1.18E-07	1.07E-07	4.88E-08	2.20E-08	0.00E+00	0.00E+00	1.87E-08	4.00E-09	2.54E-08	3.92E-09	1.70E-09	5.38E-08
6005	482531.29	3853133.44	1.66E-04	1.92E-04	8.67E-05	5.75E-08	1.74E-07	1.00E-07	1.16E-07	1.05E-07	4.81E-08	2.17E-08	0.00E+00	0.00E+00	1.85E-08	3.95E-09	2.51E-08	3.86E-09	1.68E-09	5.30E-08
6006	482482.68	3853047.69	1.64E-04	1.90E-04	8.56E-05	5.68E-08	1.71E-07	9.92E-08	1.15E-07	1.04E-07	4.75E-08	2.14E-08	0.00E+00	0.00E+00	1.83E-08	3.90E-09	2.47E-08	3.82E-09	1.66E-09	5.24E-08
6007	482383.09	3852897.4	1.58E-04	1.82E-04	8.22E-05	5.45E-08	1.65E-07	9.53E-08	1.10E-07	1.00E-07	4.56E-08	2.06E-08	0.00E+00	0.00E+00	1.75E-08	3.74E-09	2.38E-08	3.66E-09	1.59E-09	5.03E-08
6008	482265.64	3852765.26	1.49E-04	1.73E-04	7.78E-05	5.16E-08	1.56E-07	9.02E-08	1.04E-07	9.47E-08	4.32E-08	1.95E-08	0.00E+00	0.00E+00	1.66E-08	3.54E-09	2.25E-08	3.47E-09	1.51E-09	4.76E-08
6009	482199.16	3852697.66	1.45E-04	1.67E-04	7.55E-05	5.01E-08	1.51E-07	8.75E-08	1.01E-07	9.18E-08	4.19E-08	1.89E-08	0.00E+00	0.00E+00	1.61E-08	3.44E-09	2.18E-08	3.36E-09	1.46E-09	4.62E-08
6010	482132.69	3852630.07	1.40E-04	1.63E-04	7.33E-05	4.86E-08	1.47E-07	8.50E-08	9.84E-08	8.92E-08	4.07E-08	1.84E-08	0.00E+00	0.00E+00	1.56E-08	3.34E-09	2.12E-08	3.27E-09	1.42E-09	4.49E-08
6011	482066.21	3852562.48	1.36E-04	1.58E-04	7.12E-05	4.72E-08	1.43E-07	8.26E-08	9.56E-08	8.66E-08	3.95E-08	1.78E-08	0.00E+00	0.00E+00	1.52E-08	3.24E-09	2.06E-08	3.17E-09	1.38E-09	4.36E-08
6012	481999.74	3852494.89	1.33E-04	1.53E-04	6.92E-05	4.59E-08	1.39E-07	8.02E-08	9.28E-08	8.41E-08	3.84E-08	1.73E-08	0.00E+00	0.00E+00	1.48E-08	3.15E-09	2.00E-08	3.08E-09	1.34E-09	4.23E-08
6013	481933.26	3852427.29	1.29E-04	1.49E-04	6.72E-05	4.46E-08	1.35E-07	7.79E-08	9.02E-08	8.18E-08	3.73E-08	1.68E-08	0.00E+00	0.00E+00	1.43E-08	3.06E-09	1.94E-08	3.00E-09	1.30E-09	4.11E-08
6014	481866.79	3852359.7	1.25E-04	1.45E-04	6.55E-05	4.34E-08	1.31E-07	7.59E-08	8.79E-08	7.96E-08	3.63E-08	1.64E-08	0.00E+00	0.00E+00	1.40E-08	2.98E-09	1.89E-08	2.92E-09	1.27E-09	4.01E-08
6015	481800.31	3852292.11	1.22E-04	1.42E-04	6.38E-05	4.23E-08	1.28E-07	7.40E-08	8.56E-08	7.76E-08	3.54E-08	1.60E-08	0.00E+00	0.00E+00	1.36E-08	2.91E-09	1.84E-08	2.84E-09	1.24E-09	3.90E-08
6016	481733.84	3852224.52	1.19E-04	1.38E-04	6.22E-05	4.12E-08	1.25E-07	7.21E-08	8.34E-08	7.56E-08	3.45E-08	1.56E-08	0.00E+00	0.00E+00	1.33E-08	2.83E-09	1.80E-08	2.77E-09	1.21E-09	3.80E-08
6017	481667.36	3852156.92	1.16E-04	1.35E-04	6.07E-05	4.03E-08	1.22E-07	7.04E-08	8.14E-08	7.38E-08	3.37E-08	1.52E-08	0.00E+00	0.00E+00	1.29E-08	2.76E-09	1.75E-08	2.71E-09	1.18E-09	3.71E-08
6018	481600.89	3852089.33	1.13E-04	1.31E-04	5.91E-05	3.92E-08	1.18E-07	6.85E-08	7.93E-08	7.19E-08	3.28E-08	1.48E-08	0.00E+00	0.00E+00	1.26E-08	2.69E-09	1.71E-08	2.63E-09	1.15E-09	3.62E-08
6019	481534.41	3852021.74	1.10E-04	1.28E-04	5.76E-05	3.82E-08	1.15E-07	6.67E-08	7.72E-08	7.00E-08	3.19E-08	1.44E-08	0.00E+00	0.00E+00	1.23E-08	2.62E-09	1.66E-08	2.56E-09	1.12E-09	3.52E-08
6020	481467.94	3851954.15	1.07E-04	1.24E-04	5.61E-05	3.72E-08	1.12E-07	6.50E-08	7.53E-08	6.82E-08	3.11E-08	1.40E-08	0.00E+00	0.00E+00	1.20E-08	2.55E-09	1.62E-08	2.50E-09	1.09E-09	3.43E-08
6021	481401.46	3851886.55	1.05E-04	1.21E-04	5.48E-05	3.63E-08	1.10E-07	6.35E-08	7.35E-08	6.66E-08	3.04E-08	1.37E-08	0.00E+00	0.00E+00	1.17E-08	2.49E-09	1.58E-08	2.44E-09	1.06E-09	3.35E-08
6022	481265.87	3851761.43	9.96E-05	1.15E-04	5.20E-05	3.45E-08	1.04E-07	6.03E-08	6.98E-08	6.32E-08	2.89E-08	1.30E-08	0.00E+00	0.00E+00	1.11E-08	2.37E-09	1.50E-08	2.32E-09	1.01E-09	3.18E-08
6023	481196.74	3851703.89	9.70E-05	1.12E-04	5.07E-05	3.36E-08	1.01E-07	5.87E-08	6.80E-08	6.16E-08	2.81E-08	1.27E-08	0.00E+00	0.00E+00	1.08E-08	2.31E-09	1.46E-08	2.26E-09	9.82E-10	3.10E-08
6024	481076.33	3851619.05	9.24E-05	1.07E-04	4.83E-05	3.20E-08	9.66E-08	5.59E-08	6.47E-08	5.87E-08	2.68E-08	1.21E-08	0.00E+00	0.00E+00	1.03E-08	2.20E-09	1.39E-08	2.15E-09	9.35E-10	2.95E-08
6025	480939.8	3851549.07	8.69E-05	1.01E-04	4.54E-05	3.01E-08	9.08E-08	5.26E-08	6.08E-08	5.51E-08	2.52E-08	1.14E-08	0.00E+00	0.00E+00	9.67E-09	2.06E-09	1.31E-08	2.02E-09	8.80E-10	2.77E-08
6026	480854.56	3851506.41	8.34E-05	9.66E-05	4.36E-05	2.89E-08	8.72E-08	5.05E-08	5.84E-08	5.30E-08	2.42E-08	1.09E-08	0.00E+00	0.00E+00	9.29E-09	1.98E-09	1.26E-08	1.94E-09	8.45E-10	2.66E-08
6027	480769.32	3851463.75	8.02E-05	9.28E-05	4.19E-05	2.78E-08	8.38E-08	4.85E-08	5.61E-08	5.09E-08	2.32E-08	1.05E-08	0.00E+00	0.00E+00	8.92E-09	1.91E-09	1.21E-08	1.86E-09	8.12E-10	2.56E-08
6028	480684.08	3851421.08	7.70E-05	8.91E-05	4.03E-05	2.67E-08	8.05E-08	4.66E-08	5.39E-08	4.89E-08	2.23E-08	1.01E-08	0.00E+00	0.00E+00	8.58E-09	1.83E-09	1.16E-08	1.79E-09	7.80E-10	2.46E-08
6029	480598.84	3851378.42	7.40E-05	8.57E-05	3.87E-05	2.56E-08	7.74E-08	4.48E-08	5.18E-08	4.70E-08	2.14E-08	9.69E-09	0.00E+00	0.00E+00	8.24E-09	1.76E-09	1.12E-08	1.72E-09	7.50E-10	2.36E-08
6030	480435.71	3851275.01	6.92E-05	8.01E-05	3.62E-05	2.40E-08	7.23E-08	4.19E-08	4.84E-08	4.39E-08	2.00E-08	9.06E-09	0.00E+00	0.00E+00	7.70E-09	1.64E-09	1.04E-08	1.61E-09	7.01E-10	2.21E-08
6031	480347.85	3851232.36	6.65E-05	7.70E-05	3.48E-05	2.30E-08	6.95E-08	4.03E-08	4.66E-08	4.22E-08	1.93E-08	8.71E-09	0.00E+00	0.00E+00	7.41E-09	1.58E-09	1.00E-08	1.55E-09	6.75E-10	2.12E-08
6032	480260	3851189.72	6.41E-05	7.41E-05	3.35E-05	2.22E-08	6.70E-08	3.88E-08	4.49E-08	4.07E-08	1.86E-08	8.39E-09	0.00E+00	0.00E+00	7.13E-09	1.52E-09	9.66E-09	1.49E-09	6.50E-10	2.05E-08
6033	480172.15	3851147.07	6.18E-05	7.15E-05	3.24E-05	2.14E-08	6.46E-08	3.74E-08	4.33E-08	3.92E-08	1.79E-08	8.10E-09	0.00E+00	0.00E+00	6.88E-09	1.47E-09	9.32E-09	1.44E-09	6.27E-10	1.97E-08
6034	480084.29	3851104.42	5.97E-05	6.91E-05	3.13E-05	2.07E-08	6.24E-08	3.61E-08	4.18E-08	3.79E-08	1.73E-08	7.82E-09	0.00E+00	0.00E+00	6.65E-09	1.42E-09	9.01E-09	1.39E-09	6.06E-10	1.91E-08
6035	479996.44	3851061.77	5.78E-05	6.69E-05	3.03E-05	2.00E-08	6.05E-08	3.50E-08	4.05E-08	3.67E-08	1.68E-08	7.58E-09	0.00E+00	0.00E+00	6.44E-09	1.37E-09	8.72E-09	1.35E-09	5.87E-10	1.85E-08
6036	479908.58	3851019.13	5.61E-05	6.49E-05	2.94E-05	1.94E-08	5.86E-08	3.39E-08	3.93E-08	3.56E-08	1.62E-08	7.35E-09	0.00E+00	0.00E+00	6.24E-09	1.33E-09	8.46E-09	1.30E-09	5.69E-10	1.79E-08
6037	479820.73	3850976.48	5.45E-05	6.30E-05	2.85E-05	1.89E-08	5.70E-08	3.30E-08	3.81E-08	3.46E-08	1.58E-08	7.14E-09	0.00E+00	0.00E+00	6.07E-09	1.29E-09	8.22E-09	1.27E-09	5.53E-10	1.74E-08
6038	479732.88	3850933.83	5.31E-05	6.14E-05	2.78E-05	1.84E-08	5.55E-08	3.21E-08	3.71E-08	3.37E-08	1.54E-08	6.96E-09	0.00E+00	0.00E+00	5.91E-09	1.26E-09	8.00E-09	1.23E-09	5.39E-10	1.69E-08
6039	479645.02	3850891.18	5.18E-05	5.99E-05	2.71E-05	1.79E-08	5.41E-08	3.13E-08	3.62E-08	3.28E-08	1.50E-08	6.79E-09	0.00E+00	0.00E+00	5.76E-09	1.23E-09	7.80E-09	1.20E-09	5.26E-10	1.65E-08
6040	479557.17	3850848.54	5.06E-05	5.85E-05	2.65E-05	1.75E-08	5.29E-08	3.06E-08	3.54E-08	3.21E-08	1.46E-08	6.63E-09	0.00E+00	0.00E+00	5.63E-09	1.20E-09	7.63E-09	1.18E-09	5.14E-10	1.61E-08
6041	479469.32	3850805.89	4.95E-05	5.73E-05	2.60E-05	1.71E-08	5.18E-08	3.00E-08	3.47E-08	3.14E-08	1.43E-08	6.49E-09	0.00E+00	0.00E+00	5.51E-09	1.18E-09	7.47E-09	1.15E-09	5.03E-10	1.58E-08
6042	479381.46	3850763.24	4.86E-05	5.62E-05	2.55E-05	1.68E-08	5.08E-08	2.94E-08	3.40E-08	3.08E-08	1.41E-08	6.37E-09	0.00E+00	0.00E+00	5.41E-09	1.15E-09	7.33E-09	1.13E-09	4.94E-10	1.55E-08
6043	479293.61	3850720.59	4.77E-05	5.52E-05	2.50E-05	1.65E-08	4.99E-08	2.89E-08	3.34E-08	3.03E-08	1.38E-08	6.26E-09	0.00E+00	0.00E+00	5.31E-09	1.13E-09	7.20E-09	1.11E-09	4.85E-10	1.52E-08
6044	479205.76	3850677.95	4.70E-05	5.44E-05	2.46E-05	1.63E-08	4.91E-08	2.84E-08	3.29E-08	2.98E-08	1.36E-08	6.17E-09	0.00E+00	0.00E+00	5.23E-09	1.12E-09	7.09E-09	1.09E-09	4.78E-10	1.50E-08
6045	479117.9	3850635.3	4.63E-05	5.36E-05	2.43E-05	1.60E-08	4.84E-08	2.80E-08	3.24E-08	2.94E-08	1.34E-08	6.08E-09	0.00E+00	0.00E+00	5.15E-09	1.10E-09	6.98E-09	1.08E-09	4.70E-10	1.48E-08
6046	479030.05	3850592.65	4.56E-05	5.28E-05	2.39E-05	1.58E-08	4.77E-08	2.76E-08	3.19E-08	2.90E-08	1.32E-08	5.99E-09	0.00E+00	0.00E+00	5.08E-09	1.08E-09	6.88E-09	1.06E-09	4.64E-10	1.46E-08
6047	478942.19	3850550	4.50E-05	5.21E-05	2.36E-05	1.56E-08	4.71E-08	2.73E-08	3.15E-08	2.86E-08	1.30E-08	5.91E-09	0.00E+00	0.00E+00	5.01E-09	1.07E-09	6.79E-09	1.05E-09	4.58E-10	1.44E-08
6048	478854.34	3850507.36	4.39E-05	5.08E-05	2.30E-05	1.52E-08	4.59E-08	2.66E-08	3.07E-08	2.79E-08	1.27E-08	5.76E-09	0.00E+00	0.00E+00	4.89E-09	1.04E-09	6.62E-09	1.02E-09	4.46E-10	1.40E-08
6049	478766.49	3850464.71	4.32E-05	5.00E-05	2.27E-05	1.50E-08	4.52E-08	2.61E-08	3.02E-08	2.74E-08	1.25E-08	5.67E-09	0.00E+00	0.00E+00	4.81E-09	1.03E-09	6.51E-09	1.00E-09	4.39E-10	1.38E-08
6050	478678.63	3850422.06	4.27E-05	4.94E-05	2.24E-05	1.48E-08	4.46E-08	2.58E-08	2.99E-08	2.71E-08	1.24E-08	5.60E-09	0.00E+00	0.00E+00	4.75E-09	1.01E-09	6.43E-09	9.92E-10	4.34E-10	1.36E-08
6051	478590.78	3850379.41	4.22E-05	4.88E-05	2.21E-05	1.46E-08	4.41E-08	2.55E-08	2.95E-08	2.68E-08	1.22E-08	5.54E-09	0.00E+00	0.00E+00	4.70E-09	1.00E-09	6.36E-09	9.81E-10	4.29E-10	1.35E-08
6052	478502.93	3850336.77	4.18E-05	4.83E-05	2.19E-05	1.45E-08	4.37E-08	2.53E-08	2.93E-08	2.65E-08	1.21E-08	5.49E-09	0.00E+00	0.00E+00	4.65E-09	9.93E-10	6.30E-09	9.72E-10	4.25E-10	1.33E-08
6053	478415.07	3850294.12	4.15E-05	4.80E-05	2.17E-05	1.44E-08	4.33E-08	2.51E-08	2.90E-08	2.63E-08	1.20E-08	5.44E-09	0.00E+00	0.00E+00	4.62E-09	9.85E-10	6.25E-09	9.64E-10	4.21E-10	1.32E-08
6054	478327.22	3850251.47	4.11E-05	4.75E-05	2.15E-05	1.42E-08	4.29E-08	2.48E-08	2.87E-08	2.60E-08	1.19E-08	5.39E-09	0.00E+00	0.00E+00	4.57E-09	9.75E-10	6.19E-09	9.54E-10	4.17E-10	1.31E-08
6055	478239.36	3850208.82	4.06E-05	4.70E-05	2.13E-05	1.41E-08	4.25E-08	2.46E-08	2.84E-08	2.58E-08	1.18E-08	5.34E-09	0.00E+00	0.00E+00	4.52E-09	9.66E-10	6.13E-09	9.45E-10	4.13E-10	1.30E-08
6056	478151.51	3850166.18	4.03E-05	4.66E-05	2.11E-05	1.40E-08	4.21E-08	2.44E-08	2.82E-08	2.56E-08	1.17E-08	5.29E-09	0.00E+00	0.00E+00	4.49E-09	9.58E-10	6.08E-09	9.37E-10	4.10E-10	1.29E-08
6057	478063.66	3850123.53	4.00E-05	4.62E-05	2.10E-05	1.38E-08	4.18E-08	2.42E-08	2.80E-08	2.54E-08	1.16E-08	5.25E-09	0.00E+00	0.00E+00	4.45E-09	9.50E-10	6.03E-09	9.29E-10	4.06E-10	1.28E-08
6058	477975.8	3850080.88	3.99E-05	4.61E-05	2.09E-05	1.38E-08	4.17E-08	2.41E-08	2.79E-08	2.53E-08	1.15E-08	5.23E-09	0.00E+00	0.00E+00	4.44E-09	9.47E-10	6.01E-09	9.27E-10	4.05E-10	1.27E-08
6059	477887.95	3850038.23	3.96E-05	4.58E-05	2.08E-05	1.37E-08	4.14E-08	2.40E-08	2.77E-08	2.51E-08	1.15E-08	5.20E-09	0.00E+00	0.00E+00	4.41E-09	9.41E-10	5.97E-09	9.21E-10	4.03E-10	1.26E-08
6060	477800.1	3849995.59	3.93E-05	4.55E-05	2.06E-05	1.36E-08	4.11E-08	2.38E-08	2.75E-08	2.50E-08	1.14E-08	5.17E-09	0.00E+00	0.00E+00	4.38E-09	9.35E-10	5.93E-09	9.15E-10	4.00E-10	1.26E-08
6061	477712.24	3849952.94	3.90E-05	4.51E-05	2.05E-05	1.35E-08	4.08E-08	2.36E-08	2.73E-08	2.48E-08	1.13E-08	5.12E-09	0.00E+00	0.00E+00	4.34E-09	9.27E-10	5.88E-09	9.07E-10	3.97E-10	1.25E-08
6062	477624.39	3849910.29	3.87E-05	4.47E-05	2.03E-05	1.34E-08	4.04E-08	2.34E-08	2.71E-08	2.45E-08	1.12E-08	5.08E-09	0.00E+00	0.00E+00	4.31E-09	9.19E-10	5.83E-09	8.99E-10	3.93E-10	1.23E-08
6063	477536.54	3849867.64	3.83E-05	4.44E-05	2.01E-05	1.33E-08	4.01E-08	2.32E-08	2.68E-08	2.43E-08	1.11E-08	5.03E-09	0.00E+00	0.00E+00	4.27E-09	9.11E-10	5.78E-09	8.91E-10	3.90E-10	1.22E-08
6064	477448.68	3849825	3.80E-05	4.39E-05	1.99E-05	1.31E-08	3.97E-08	2.30E-08	2.66E-08	2.41E-08	1.10E-08	4.99E-09	0.00E+00	0.00E+00	4.23E-09	9.02E-10	5.72E-09	8.83E-10	3.86E-10	1.21E-08
6065	477360.83	3849782.35	3.76E-05	4.35E-05	1.97E-05	1.30E-08	3.93E-08	2.28E-08	2.63E-08	2.39E-08	1.09E-08	4.94E-09	0.00E+00	0.00E+00	4.19E-09	8.94E-10	5.67E-09	8.75E-10	3.83E-10	1.20E-08
6066	477272.97	3849739.7	3.73E-05	4.31E-05	1.96E-05	1.29E-08	3.90E-08	2.26E-08	2.61E-08	2.36E-08	1.08E-08	4.89E-09	0.00E+00	0.00E+00	4.15E-09	8.85E-10	5.62E-09	8.66E-10	3.79E-10	1.19E-08
6067	477185.12	3849697.05	3.69E-05	4.27E-05	1.94E-05	1.28E-08	3.86E-08	2.24E-08	2.59E-08	2.34E-08	1.07E-08	4.85E-09	0.00E+00	0.00E+00	4.11E-09	8.78E-10	5.57E-09	8.59E-10	3.76E-10	1.18E-08
6068	477097.27	3849654.41	3.66E-05	4.23E-05	1.92E-05	1.27E-08	3.82E-08	2.21E-08	2.56E-08	2.32E-08	1.06E-08	4.80E-09	0.00E+00	0.00E+00	4.07E-09	8.69E-10	5.51E-09	8.50E-10	3.72E-10	1.17E-08
6069	477009.41	3849611.76	3.62E-05	4.18E-05	1.90E-05	1.25E-08	3.78E-08	2.19E-08	2.53E-08	2.29E-08	1.05E-08	4.75E-09	0.00E+00	0.00E+00	4.03E-09	8.59E-10	5.45E-09	8.41E-10	3.68E-10	1.15E-08
6070	476841.49	3849530.08	3.55E-05	4.10E-05	1.86E-05	1.23E-08	3.71E-08	2.15E-08	2.48E-08	2.25E-08	1.03E-08	4.66E-09	0.00E+00	0.00E+00	3.95E-09	8.42E-10	5.35E-09	8.24E-10	3.61E-10	1.13E-08
6071	476761.41	3849491.05	3.52E-05	4.07E-05	1.85E-05	1.22E-08	3.68E-08	2.13E-08	2.46E-08	2.23E-08	1.02E-08	4.62E-09	0.00E+00	0.00E+00	3.91E-09	8.35E-10	5.30E-09	8.17E-10	3.58E-10	1.12E-08
6072	476681.34	3849452.02	3.48E-05	4.03E-05	1.83E-05	1.21E-08	3.64E-08	2.11E-08	2.44E-08	2.21E-08	1.01E-08	4.57E-09	0.00E+00	0.00E+00	3.88E-09	8.27E-10	5.25E-09	8.10E-10	3.54E-10	1.11E-08
6073	476601.26	3849412.99	3.45E-05	3.99E-05	1.81E-05	1.19E-08	3.60E-08	2.09E-08	2.41E-08	2.19E-08	9.98E-09	4.53E-09	0.00E+00	0.00E+00	3.84E-09	8.19E-10	5.19E-09	8.01E-10	3.51E-10	1.10E-08
6074	476456.32	3849353.67	3.39E-05	3.92E-05	1.78E-05	1.17E-08	3.54E-08	2.05E-08	2.37E-08	2.15E-08	9.80E-09	4.45E-09	0.00E+00	0.00E+00	3.77E-09	8.05E-10	5.11E-09	7.87E-10	3.45E-10	1.08E-08
6075	476305.43	3849318.84	3.37E-05	3.90E-05	1.77E-05	1.17E-08	3.52E-08	2.04E-08	2.36E-08	2.14E-08	9.75E-09	4.43E-09	0.00E+00	0.00E+00	3.75E-09	8.00E-10	5.08E-09	7.83E-10	3.43E-10	1.08E-08
6076	476129.36	3849289.99	3.35E-05	3.87E-05	1.76E-05	1.16E-08	3.50E-08	2.03E-08	2.34E-08	2.13E-08	9.70E-09	4.40E-09	0.00E+00	0.00E+00	3.73E-09	7.96E-10	5.05E-09	7.79E-10	3.41E-10	1.07E-08
6077	476039.31	3849275.68	3.34E-05	3.87E-05	1.75E-05	1.16E-08	3.49E-08	2.02E-08	2.34E-08	2.12E-08	9.68E-09	4.39E-09	0.00E+00	0.00E+00	3.72E-09	7.94E-10	5.04E-09	7.77E-10	3.40E-10	1.07E-08
6078	475949.26	3849261.38	3.32E-05	3.84E-05	1.74E-05	1.15E-08	3.47E-08	2.01E-08	2.32E-08	2.11E-08	9.61E-09	4.36E-09	0.00E+00	0.00E+00	3.70E-09	7.89E-10	5.00E-09	7.72E-10	3.38E-10	1.06E-08
6079	475859.21	3849247.08	3.31E-05	3.83E-05	1.74E-05	1.15E-08	3.46E-08	2.00E-08	2.32E-08	2.10E-08	9.58E-09	4.35E-09	0.00E+00	0.00E+00	3.68E-09	7.86E-10	4.99E-09	7.69E-10	3.37E-10	1.06E-08
6080	475769.16	3849232.77	3.29E-05	3.81E-05	1.73E-05	1.14E-08	3.44E-08	1.99E-08	2.31E-08	2.09E-08	9.54E-09	4.33E-09	0.00E+00	0.00E+00	3.67E-09	7.83E-10	4.97E-09	7.66E-10	3.35E-10	1.05E-08
6081	475585.23	3849219.27	3.07E-05	3.55E-05	1.61E-05	1.06E-08	3.21E-08	1.86E-08	2.15E-08	1.95E-08	8.88E-09	4.03E-09	0.00E+00	0.00E+00	3.41E-09	7.28E-10	4.62E-09	7.13E-10	3.12E-10	9.79E-09
6082	475444.5	3849150.35	3.17E-05	3.67E-05	1.66E-05	1.10E-08	3.31E-08	1.92E-08	2.22E-08	2.01E-08	9.17E-09	4.16E-09	0.00E+00	0.00E+00	3.53E-09	7.53E-10	4.78E-09	7.37E-10	3.22E-10	1.01E-08
6083	475334.18	3849118.71	3.17E-05	3.67E-05	1.67E-05	1.10E-08	3.32E-08	1.92E-08	2.22E-08	2.01E-08	9.18E-09	4.17E-09	0.00E+00	0.00E+00	3.53E-09	7.54E-10	4.78E-09	7.37E-10	3.23E-10	1.01E-08

6084	475230.47	3849060.57	3.13E-05	3.62E-05	1.64E-05	1.08E-08	3.27E-08	1.90E-08	2.19E-08	1.99E-08	9.07E-09	4.12E-09	0.00E+00	0.00E+00	3.49E-09	7.44E-10	4.72E-09	7.28E-10	3.19E-10	1.00E-08
6085	475110.86	3848960.97	3.05E-05	3.53E-05	1.60E-05	1.06E-08	3.19E-08	1.85E-08	2.14E-08	1.94E-08	8.84E-09	4.01E-09	0.00E+00	0.00E+00	3.40E-09	7.25E-10	4.60E-09	7.10E-10	3.11E-10	9.75E-09
6086	475037.79	3848896.28	3.00E-05	3.46E-05	1.57E-05	1.04E-08	3.13E-08	1.81E-08	2.10E-08	1.90E-08	8.67E-09	3.94E-09	0.00E+00	0.00E+00	3.33E-09	7.11E-10	4.51E-09	6.96E-10	3.05E-10	9.56E-09
6087	474964.72	3848831.59	2.94E-05	3.40E-05	1.54E-05	1.02E-08	3.07E-08	1.78E-08	2.05E-08	1.86E-08	8.50E-09	3.86E-09	0.00E+00	0.00E+00	3.27E-09	6.97E-10	4.43E-09	6.82E-10	2.99E-10	9.37E-09
6088	474891.65	3848766.9	2.89E-05	3.34E-05	1.52E-05	1.00E-08	3.02E-08	1.75E-08	2.02E-08	1.83E-08	8.37E-09	3.80E-09	0.00E+00	0.00E+00	3.22E-09	6.87E-10	4.36E-09	6.72E-10	2.94E-10	9.23E-09
6089	474818.58	3848702.22	2.86E-05	3.30E-05	1.50E-05	9.88E-09	2.98E-08	1.73E-08	2.00E-08	1.81E-08	8.26E-09	3.75E-09	0.00E+00	0.00E+00	3.18E-09	6.78E-10	4.30E-09	6.64E-10	2.91E-10	9.11E-09
6090	474745.51	3848637.53	2.85E-05	3.29E-05	1.50E-05	9.86E-09	2.98E-08	1.72E-08	1.99E-08	1.81E-08	8.24E-09	3.74E-09	0.00E+00	0.00E+00	3.17E-09	6.76E-10	4.29E-09	6.62E-10	2.90E-10	9.09E-09
6091	474672.44	3848572.84	2.81E-05	3.25E-05	1.48E-05	9.74E-09	2.94E-08	1.70E-08	1.97E-08	1.78E-08	8.14E-09	3.70E-09	0.00E+00	0.00E+00	3.13E-09	6.68E-10	4.24E-09	6.54E-10	2.87E-10	8.98E-09
6092	474599.37	3848508.15	2.77E-05	3.20E-05	1.45E-05	9.58E-09	2.89E-08	1.67E-08	1.94E-08	1.75E-08	8.01E-09	3.64E-09	0.00E+00	0.00E+00	3.08E-09	6.57E-10	4.17E-09	6.43E-10	2.82E-10	8.83E-09
6093	474526.3	3848443.46	2.73E-05	3.16E-05	1.43E-05	9.45E-09	2.85E-08	1.65E-08	1.91E-08	1.73E-08	7.90E-09	3.59E-09	0.00E+00	0.00E+00	3.04E-09	6.48E-10	4.11E-09	6.34E-10	2.78E-10	8.71E-09

CHE, Warehouse - Student Risk

Rec#	X, Y	2028 Unmitigated			2028 Mitigated			2033 Unmitigated			2033 Mitigated			2048 Unmitigated			2048 Mitigated		
		Concentrati	Dose	Risk	Concentrati	Dose	Risk	Concentrati	Dose	Risk	Concentrati	Dose	Risk	Concentrati	Dose	Risk	Concentrati	Dose	Risk
1	485973.61, 3854936.51	3.21E-03	1.01E-06	2.95E-07	1.33E-03	4.19E-07	1.22E-07	3.44E-03	1.09E-06	3.16E-07	1.54E-03	4.85E-07	1.41E-07	2.57E-03	8.11E-07	2.36E-07	6.91E-04	2.18E-07	6.34E-08
2	486023.61, 3854936.51	3.16E-03	9.97E-07	2.90E-07	1.30E-03	4.09E-07	1.19E-07	3.38E-03	1.07E-06	3.11E-07	1.50E-03	4.74E-07	1.38E-07	2.53E-03	7.99E-07	2.32E-07	6.75E-04	2.13E-07	6.20E-08
3	486073.61, 3854936.51	3.13E-03	9.89E-07	2.88E-07	1.28E-03	4.04E-07	1.18E-07	3.35E-03	1.06E-06	3.08E-07	1.48E-03	4.68E-07	1.36E-07	2.51E-03	7.93E-07	2.31E-07	6.67E-04	2.11E-07	6.13E-08
4	486123.61, 3854936.51	3.05E-03	9.62E-07	2.80E-07	1.23E-03	3.89E-07	1.13E-07	3.26E-03	1.03E-06	2.99E-07	1.43E-03	4.51E-07	1.31E-07	2.45E-03	7.75E-07	2.25E-07	6.42E-04	2.03E-07	5.90E-08
5	486173.61, 3854936.51	3.06E-03	9.65E-07	2.81E-07	1.24E-03	3.90E-07	1.13E-07	3.27E-03	1.03E-06	3.00E-07	1.43E-03	4.52E-07	1.31E-07	2.46E-03	7.77E-07	2.26E-07	6.44E-04	2.03E-07	5.91E-08
6	486223.61, 3854936.51	3.01E-03	9.50E-07	2.76E-07	1.21E-03	3.82E-07	1.11E-07	3.22E-03	1.02E-06	2.95E-07	1.40E-03	4.42E-07	1.29E-07	2.43E-03	7.66E-07	2.23E-07	6.30E-04	1.99E-07	5.78E-08
7	486273.61, 3854936.51	2.98E-03	9.41E-07	2.74E-07	1.19E-03	3.76E-07	1.09E-07	3.19E-03	1.01E-06	2.92E-07	1.38E-03	4.35E-07	1.27E-07	2.41E-03	7.60E-07	2.21E-07	6.21E-04	1.96E-07	5.70E-08
8	486323.61, 3854936.51	2.96E-03	9.33E-07	2.71E-07	1.18E-03	3.71E-07	1.08E-07	3.16E-03	9.97E-07	2.90E-07	1.36E-03	4.30E-07	1.25E-07	2.39E-03	7.54E-07	2.19E-07	6.13E-04	1.93E-07	5.63E-08
9	485973.61, 3854986.51	3.61E-03	1.14E-06	3.31E-07	1.58E-03	4.98E-07	1.45E-07	3.88E-03	1.22E-06	3.56E-07	1.83E-03	5.77E-07	1.68E-07	2.83E-03	8.94E-07	2.60E-07	8.21E-04	2.59E-07	7.54E-08
10	486023.61, 3854986.51	3.55E-03	1.12E-06	3.26E-07	1.54E-03	4.87E-07	1.42E-07	3.82E-03	1.20E-06	3.50E-07	1.79E-03	5.64E-07	1.64E-07	2.79E-03	8.82E-07	2.57E-07	8.04E-04	2.54E-07	7.38E-08
11	486073.61, 3854986.51	3.48E-03	1.10E-06	3.19E-07	1.50E-03	4.73E-07	1.38E-07	3.74E-03	1.18E-06	3.43E-07	1.74E-03	5.48E-07	1.59E-07	2.75E-03	8.67E-07	2.52E-07	7.81E-04	2.46E-07	7.17E-08
12	486123.61, 3854986.51	3.42E-03	1.08E-06	3.14E-07	1.46E-03	4.61E-07	1.34E-07	3.67E-03	1.16E-06	3.37E-07	1.69E-03	5.33E-07	1.55E-07	2.70E-03	8.53E-07	2.48E-07	7.60E-04	2.40E-07	6.98E-08
13	486173.61, 3854986.51	3.39E-03	1.07E-06	3.11E-07	1.44E-03	4.55E-07	1.32E-07	3.64E-03	1.15E-06	3.34E-07	1.67E-03	5.27E-07	1.53E-07	2.69E-03	8.48E-07	2.47E-07	7.51E-04	2.37E-07	6.89E-08
14	486223.61, 3854986.51	3.33E-03	1.05E-06	3.05E-07	1.40E-03	4.42E-07	1.29E-07	3.57E-03	1.13E-06	3.28E-07	1.62E-03	5.12E-07	1.49E-07	2.64E-03	8.34E-07	2.43E-07	7.30E-04	2.30E-07	6.70E-08
15	486273.61, 3854986.51	3.26E-03	1.03E-06	2.99E-07	1.36E-03	4.29E-07	1.25E-07	3.49E-03	1.10E-06	3.20E-07	1.57E-03	4.96E-07	1.44E-07	2.60E-03	8.19E-07	2.38E-07	7.08E-04	2.23E-07	6.50E-08
16	486323.61, 3854986.51	3.27E-03	1.03E-06	3.00E-07	1.36E-03	4.30E-07	1.25E-07	3.50E-03	1.10E-06	3.21E-07	1.58E-03	4.98E-07	1.45E-07	2.60E-03	8.22E-07	2.39E-07	7.09E-04	2.24E-07	6.51E-08
17	485973.61, 3855036.51	4.06E-03	1.28E-06	3.73E-07	1.87E-03	5.92E-07	1.72E-07	4.39E-03	1.38E-06	4.03E-07	2.17E-03	6.85E-07	1.99E-07	3.13E-03	9.88E-07	2.87E-07	9.76E-04	3.08E-07	8.96E-08
18	486023.61, 3855036.51	3.97E-03	1.25E-06	3.65E-07	1.82E-03	5.73E-07	1.67E-07	4.29E-03	1.35E-06	3.93E-07	2.10E-03	6.64E-07	1.93E-07	3.07E-03	9.70E-07	2.82E-07	9.45E-04	2.98E-07	8.68E-08
19	486073.61, 3855036.51	3.86E-03	1.22E-06	3.54E-07	1.74E-03	5.51E-07	1.60E-07	4.16E-03	1.31E-06	3.82E-07	2.02E-03	6.37E-07	1.85E-07	3.00E-03	9.46E-07	2.75E-07	9.08E-04	2.87E-07	8.34E-08
20	486123.61, 3855036.51	3.78E-03	1.19E-06	3.47E-07	1.69E-03	5.34E-07	1.55E-07	4.07E-03	1.29E-06	3.74E-07	1.96E-03	6.19E-07	1.80E-07	2.95E-03	9.30E-07	2.71E-07	8.81E-04	2.78E-07	8.09E-08
21	486173.61, 3855036.51	3.75E-03	1.18E-06	3.44E-07	1.67E-03	5.26E-07	1.53E-07	4.03E-03	1.27E-06	3.70E-07	1.93E-03	6.09E-07	1.77E-07	2.93E-03	9.23E-07	2.69E-07	8.68E-04	2.74E-07	7.96E-08
22	486223.61, 3855036.51	3.65E-03	1.15E-06	3.35E-07	1.60E-03	5.06E-07	1.47E-07	3.93E-03	1.24E-06	3.61E-07	1.86E-03	5.86E-07	1.71E-07	2.86E-03	9.03E-07	2.63E-07	8.35E-04	2.64E-07	7.67E-08
23	486273.61, 3855036.51	3.63E-03	1.15E-06	3.33E-07	1.59E-03	5.01E-07	1.46E-07	3.90E-03	1.23E-06	3.58E-07	1.84E-03	5.80E-07	1.69E-07	2.85E-03	8.99E-07	2.62E-07	8.26E-04	2.61E-07	7.58E-08
24	486323.61, 3855036.51	3.56E-03	1.12E-06	3.27E-07	1.54E-03	4.87E-07	1.42E-07	3.83E-03	1.21E-06	3.52E-07	1.79E-03	5.64E-07	1.64E-07	2.81E-03	8.86E-07	2.58E-07	8.04E-04	2.54E-07	7.38E-08
25	485973.61, 3855086.51	4.55E-03	1.44E-06	4.18E-07	2.20E-03	6.93E-07	2.02E-07	4.93E-03	1.56E-06	4.52E-07	2.54E-03	8.03E-07	2.34E-07	3.45E-03	1.09E-06	3.16E-07	1.14E-03	3.61E-07	1.05E-07
26	486023.61, 3855086.51	4.46E-03	1.41E-06	4.09E-07	2.13E-03	6.73E-07	1.96E-07	4.82E-03	1.52E-06	4.43E-07	2.47E-03	7.79E-07	2.27E-07	3.39E-03	1.07E-06	3.11E-07	1.11E-03	3.50E-07	1.02E-07
27	486073.61, 3855086.51	4.31E-03	1.36E-06	3.96E-07	2.03E-03	6.42E-07	1.87E-07	4.66E-03	1.47E-06	4.28E-07	2.36E-03	7.43E-07	2.16E-07	3.29E-03	1.04E-06	3.02E-07	1.06E-03	3.34E-07	9.72E-08
28	486123.61, 3855086.51	4.23E-03	1.34E-06	3.89E-07	1.98E-03	6.25E-07	1.82E-07	4.57E-03	1.44E-06	4.20E-07	2.29E-03	7.24E-07	2.10E-07	3.24E-03	1.02E-06	2.98E-07	1.03E-03	3.25E-07	9.46E-08
29	486173.61, 3855086.51	4.12E-03	1.30E-06	3.78E-07	1.90E-03	6.00E-07	1.75E-07	4.44E-03	1.40E-06	4.08E-07	2.20E-03	6.95E-07	2.02E-07	3.17E-03	1.00E-06	2.91E-07	9.90E-04	3.12E-07	9.09E-08
30	486223.61, 3855086.51	4.05E-03	1.28E-06	3.71E-07	1.85E-03	5.85E-07	1.70E-07	4.37E-03	1.38E-06	4.01E-07	2.14E-03	6.77E-07	1.97E-07	3.13E-03	9.87E-07	2.87E-07	9.64E-04	3.04E-07	8.85E-08
31	485973.61, 3855136.51	5.12E-03	1.62E-06	4.70E-07	2.58E-03	8.14E-07	2.37E-07	5.57E-03	1.76E-06	5.11E-07	2.99E-03	9.43E-07	2.74E-07	3.81E-03	1.20E-06	3.50E-07	1.34E-03	4.24E-07	1.23E-07
32	486023.61, 3855136.51	4.97E-03	1.57E-06	4.56E-07	2.47E-03	7.80E-07	2.27E-07	5.39E-03	1.70E-06	4.95E-07	2.86E-03	9.03E-07	2.63E-07	3.72E-03	1.17E-06	3.41E-07	1.29E-03	4.06E-07	1.18E-07
33	486073.61, 3855136.51	4.82E-03	1.52E-06	4.42E-07	2.37E-03	7.47E-07	2.17E-07	5.23E-03	1.65E-06	4.80E-07	2.74E-03	8.65E-07	2.52E-07	3.62E-03	1.14E-06	3.33E-07	1.23E-03	3.89E-07	1.13E-07
34	486123.61, 3855136.51	4.69E-03	1.48E-06	4.31E-07	2.28E-03	7.19E-07	2.09E-07	5.09E-03	1.61E-06	4.67E-07	2.64E-03	8.33E-07	2.42E-07	3.55E-03	1.12E-06	3.26E-07	1.19E-03	3.74E-07	1.09E-07
35	486173.61, 3855136.51	4.56E-03	1.44E-06	4.19E-07	2.19E-03	6.91E-07	2.01E-07	4.94E-03	1.56E-06	4.54E-07	2.53E-03	8.00E-07	2.33E-07	3.47E-03	1.09E-06	3.18E-07	1.14E-03	3.60E-07	1.05E-07
36	486223.61, 3855136.51	4.46E-03	1.41E-06	4.09E-07	2.11E-03	6.67E-07	1.94E-07	4.82E-03	1.52E-06	4.42E-07	2.45E-03	7.72E-07	2.25E-07	3.40E-03	1.07E-06	3.12E-07	1.10E-03	3.47E-07	1.01E-07
37	485973.61, 3855186.51	5.74E-03	1.81E-06	5.27E-07	3.00E-03	9.47E-07	2.75E-07	6.26E-03	1.98E-06	5.75E-07	3.47E-03	1.10E-06	3.19E-07	4.21E-03	1.33E-06	3.87E-07	1.56E-03	4.92E-07	1.43E-07
38	486023.61, 3855186.51	5.56E-03	1.76E-06	5.11E-07	2.87E-03	9.05E-07	2.63E-07	6.06E-03	1.91E-06	5.56E-07	3.32E-03	1.05E-06	3.05E-07	4.10E-03	1.29E-06	3.77E-07	1.49E-03	4.71E-07	1.37E-07
39	486073.61, 3855186.51	5.35E-03	1.69E-06	4.91E-07	2.72E-03	8.57E-07	2.49E-07	5.81E-03	1.83E-06	5.34E-07	3.15E-03	9.93E-07	2.89E-07	3.97E-03	1.25E-06	3.64E-07	1.41E-03	4.46E-07	1.30E-07
40	486123.61, 3855186.51	5.15E-03	1.63E-06	4.73E-07	2.58E-03	8.14E-07	2.37E-07	5.60E-03	1.77E-06	5.14E-07	2.99E-03	9.43E-07	2.74E-07	3.85E-03	1.21E-06	3.53E-07	1.34E-03	4.24E-07	1.23E-07
41	486173.61, 3855186.51	5.01E-03	1.58E-06	4.60E-07	2.48E-03	7.82E-07	2.27E-07	5.44E-03	1.72E-06	4.99E-07	2.87E-03	9.05E-07	2.63E-07	3.76E-03	1.19E-06	3.45E-07	1.29E-03	4.07E-07	1.18E-07
42	486223.61, 3855186.51	4.88E-03	1.54E-06	4.48E-07	2.38E-03	7.52E-07	2.19E-07	5.29E-03	1.67E-06	4.85E-07	2.76E-03	8.71E-07	2.53E-07	3.68E-03	1.16E-06	3.38E-07	1.24E-03	3.91E-07	1.14E-07
43	486273.61, 3855186.51	4.74E-03	1.50E-06	4.35E-07	2.29E-03	7.22E-07	2.10E-07	5.14E-03	1.62E-06	4.72E-07	2.65E-03	8.36E-07	2.43E-07	3.59E-03	1.13E-06	3.30E-07	1.19E-03	3.76E-07	1.09E-07
44	486323.61, 3855186.51	4.74E-03	1.50E-06	4.35E-07	2.28E-03	7.19E-07	2.09E-07	5.13E-03	1.62E-06	4.71E-07	2.64E-03	8.32E-07	2.42E-07	3.60E-03	1.14E-06	3.30E-07	1.18E-03	3.74E-07	1.09E-07
45	485973.61, 3855236.51	6.40E-03	2.02E-06	5.88E-07	3.45E-03	1.09E-06	3.17E-07	7.00E-03	2.21E-06	6.42E-07	3.99E-03	1.26E-06	3.67E-07	4.63E-03	1.46E-06	4.25E-07	1.79E-03	5.66E-07	1.65E-07
46	486023.61, 3855236.51	6.13E-03	1.94E-06	5.63E-07	3.25E-03	1.03E-06	2.99E-07	6.69E-03	2.11E-06	6.14E-07	3.77E-03	1.19E-06	3.46E-07	4.47E-03	1.41E-06	4.10E-07	1.69E-03	5.34E-07	1.55E-07
47	486073.61, 3855236.51	5.87E-03	1.85E-06	5.39E-07	3.06E-03	9.67E-07	2.81E-07	6.40E-03	2.02E-06	5.87E-07	3.55E-03	1.12E-06	3.26E-07	4.31E-03	1.36E-06	3.95E-07	1.59E-03	5.03E-07	1.46E-07
48	486123.61, 3855236.51	5.67E-03	1.79E-06	5.21E-07	2.92E-03	9.22E-07	2.68E-07	6.18E-03	1.95E-06	5.67E-07	3.38E-03	1.07E-06	3.11E-07	4.19E-03	1.32E-06	3.84E-07	1.52E-03	4.80E-07	1.40E-07
49	486173.61, 3855236.51	5.50E-03	1.74E-06	5.05E-07	2.80E-03	8.83E-07	2.57E-07	5.98E-03	1.89E-06	5.49E-07	3.24E-03	1.02E-06	2.97E-07	4.08E-03	1.29E-06	3.75E-07	1.46E-03	4.59E-07	1.34E-07
50	486223.61, 3855236.51	5.33E-03	1.68E-06	4.89E-07	2.67E-03	8.44E-07	2.45E-07	5.79E-03	1.83E-06	5.31E-07	3.10E-03	9.77E-07	2.84E-07	3.97E-03	1.25E-06	3.65E-07	1.39E-03	4.39E-07	1.28E-07
51	486273.61, 3855236.51	5.11E-03	1.61E-06	4.69E-07	2.52E-03	7.95E-07	2.31E-07	5.54E-03	1.75E-06	5.09E-07	2.92E-03	9.21E-07	2.68E-07	3.83E-03	1.21E-06	3.52E-07	1.31E-03	4.14E-07	1.20E-07
52	486323.61, 3855236.51	5.16E-03	1.63E-06	4.74E-07	2.54E-03	8.02E-07	2.33E-07	5.60E-03	1.77E-06	5.14E-07	2.94E-03	9.29E-07	2.70E-07	3.88E-03	1.22E-06	3.56E-07	1.32E-03	4.17E-07	1.21E-07
53	485973.61, 3855286.51	7.10E-03	2.24E-06	6.52E-07	3.93E-03	1.24E-06	3.60E-07	7.77E-03	2.45E-06	7.14E-07	4.55E-03	1.43E-06	4.17E-07	5.07E-03	1.60E-06	4.66E-07	2.04E-03	6.44E-07	1.87E-07
54	486023.61, 3855286.51	6.76E-03	2.13E-06	6.20E-07	3.68E-03	1.16E-06	3.38E-07	7.39E-03	2.33E-06	6.79E-07	4.26E-03	1.34E-06	3.91E-07	4.87E-03	1.54E-06	4.47E-07	1.91E-03	6.04E-07	1.76E-07
55	486073.61, 3855286.51	6.48E-03	2.04E-06	5.95E-07	3.47E-03	1.10E-06	3.19E-07	7.08E-03	2.23E-06	6.50E-07	4.02E-03	1.27E-06	3.69E-07	4.70E-03	1.48E-06	4.31E-07	1.81E-03	5.70E-07	1.66E-07
56	486123.61, 3855286.51	6.21E-03	1.96E-06	5.70E-07	3.28E-03	1.03E-06	3.01E-07	6.77E-03	2.14E-06	6.22E-07	3.79E-03	1.20E-06	3.48E-07	4.53E-03	1.43E-06	4.16E-07	1.70E-03	5.38E-07	1.56E-07
57	486173.61, 3855286.51	5.98E-03	1.89E-06	5.49E-07	3.11E-03	9.81E-07	2.85E-07	6.51E-03	2.05E-06	5.98E-07	3.60E-03	1.14E-06	3.31E-07	4.39E-03	1.39E-06	4.03E-07	1.62E-03	5.10E-07	1.48E-07
58	486223.61, 3855286.51	5.80E-03	1.83E-06	5.33E-07	2.98E-03	9.41E-07	2.74E-07	6.32E-03	1.99E-06	5.80E-07	3.45E-03	1.09E-06	3.17E-07	4.29E-03	1.35E-06	3.94E-07	1.55E-03	4.90E-07	1.42E-07
59	486123.61, 3855336.51	6.77E-03	2.14E-06	6.21E-07	3.65E-03	1.15E-06	3.35E-07	7.40E-03	2.34E-06	6.79E-07	4.23E-03	1.33E-06	3.88E-07	4.90E-03	1.55E-06	4.49E-07	1.90E-03	5.99E-07	1.74E-07
60	486173.61, 3855336.51	6.53E-03	2.06E-06	6.00E-07	3.48E-03	1.10E-06	3.19E-07	7.13E-03	2.25E-06	6.55E-07	4.03E-03	1.27E-06	3.70E-07	4.75E-03	1.50E-06	4.36E-07	1.81E-03	5.71E-07	1.66E-07
61	486223.61, 3855336.51	6.30E-03	1.99E-06	5.79E-07	3.31E-03	1.04E-06	3.04E-07	6.87E-03	2.17E-06	6.31E-07	3.83E-03	1.21E-06	3.52E-07	4.62E-03	1.46E-06	4.24E-07	1.72E-03	5.43E-07	1.58E-07
62	486123.61, 3855386.51	7.39E-03	2.33E-06	6.78E-07	4.06E-03	1.28E-06	3.73E-07	8.09E-03	2.55E-06	7.42E-07	4.70E-03	1.48E-06	4.32E-07	5.29E-03	1.67E-06	4.86E-07	2.11E-03	6.67E-07	1.94E-07

63	486173.61, 3855386.51	7.11E-03	2.24E-06	6.53E-07	3.86E-03	1.22E-06	3.54E-07	7.78E-03	2.45E-06	7.14E-07	4.47E-03	1.41E-06	4.10E-07	5.13E-03	1.62E-06	4.71E-07	2.01E-03	6.33E-07	1.84E-07
64	486223.61, 3855386.51	6.87E-03	2.17E-06	6.31E-07	3.68E-03	1.16E-06	3.37E-07	7.50E-03	2.37E-06	6.89E-07	4.26E-03	1.34E-06	3.91E-07	4.99E-03	1.57E-06	4.58E-07	1.91E-03	6.03E-07	1.76E-07
65	486533.18, 3855443.15	6.33E-03	2.00E-06	5.81E-07	3.20E-03	1.01E-06	2.94E-07	6.88E-03	2.17E-06	6.32E-07	3.71E-03	1.17E-06	3.41E-07	4.71E-03	1.49E-06	4.32E-07	1.67E-03	5.26E-07	1.53E-07
66	486583.18, 3855443.15	6.16E-03	1.94E-06	5.65E-07	3.08E-03	9.72E-07	2.83E-07	6.69E-03	2.11E-06	6.14E-07	3.57E-03	1.13E-06	3.28E-07	4.60E-03	1.45E-06	4.22E-07	1.60E-03	5.06E-07	1.47E-07
67	486633.18, 3855443.15	6.00E-03	1.89E-06	5.51E-07	2.97E-03	9.36E-07	2.72E-07	6.51E-03	2.05E-06	5.98E-07	3.43E-03	1.08E-06	3.15E-07	4.50E-03	1.42E-06	4.13E-07	1.54E-03	4.87E-07	1.42E-07
68	486683.18, 3855443.15	5.88E-03	1.86E-06	5.40E-07	2.88E-03	9.09E-07	2.65E-07	6.38E-03	2.01E-06	5.86E-07	3.34E-03	1.05E-06	3.06E-07	4.43E-03	1.40E-06	4.07E-07	1.50E-03	4.73E-07	1.38E-07
69	486533.18, 3855493.15	6.77E-03	2.14E-06	6.22E-07	3.47E-03	1.10E-06	3.19E-07	7.37E-03	2.33E-06	6.77E-07	4.02E-03	1.27E-06	3.69E-07	5.01E-03	1.58E-06	4.60E-07	1.81E-03	5.70E-07	1.66E-07
70	486583.18, 3855493.15	6.60E-03	2.08E-06	6.06E-07	3.35E-03	1.06E-06	3.07E-07	7.18E-03	2.26E-06	6.59E-07	3.87E-03	1.22E-06	3.56E-07	4.90E-03	1.55E-06	4.50E-07	1.74E-03	5.49E-07	1.60E-07
71	486633.18, 3855493.15	6.42E-03	2.03E-06	5.90E-07	3.22E-03	1.02E-06	2.95E-07	6.98E-03	2.20E-06	6.41E-07	3.73E-03	1.18E-06	3.42E-07	4.79E-03	1.51E-06	4.40E-07	1.67E-03	5.29E-07	1.54E-07
72	486683.18, 3855493.15	6.26E-03	1.98E-06	5.75E-07	3.10E-03	9.79E-07	2.85E-07	6.79E-03	2.14E-06	6.24E-07	3.59E-03	1.13E-06	3.30E-07	4.69E-03	1.48E-06	4.31E-07	1.61E-03	5.09E-07	1.48E-07
73	486533.18, 3855543.15	7.27E-03	2.29E-06	6.67E-07	3.77E-03	1.19E-06	3.47E-07	7.92E-03	2.50E-06	7.27E-07	4.37E-03	1.38E-06	4.01E-07	5.34E-03	1.69E-06	4.91E-07	1.96E-03	6.20E-07	1.80E-07
74	486583.18, 3855543.15	7.02E-03	2.21E-06	6.44E-07	3.59E-03	1.13E-06	3.30E-07	7.63E-03	2.41E-06	7.01E-07	4.16E-03	1.31E-06	3.82E-07	5.19E-03	1.64E-06	4.76E-07	1.87E-03	5.90E-07	1.72E-07
75	486633.18, 3855543.15	6.84E-03	2.16E-06	6.28E-07	3.46E-03	1.09E-06	3.18E-07	7.43E-03	2.35E-06	6.82E-07	4.01E-03	1.27E-06	3.68E-07	5.08E-03	1.60E-06	4.66E-07	1.80E-03	5.69E-07	1.65E-07
76	486683.18, 3855543.15	6.60E-03	2.08E-06	6.06E-07	3.30E-03	1.04E-06	3.03E-07	7.17E-03	2.26E-06	6.59E-07	3.82E-03	1.21E-06	3.51E-07	4.93E-03	1.56E-06	4.53E-07	1.72E-03	5.42E-07	1.58E-07
77	486533.18, 3855593.15	7.75E-03	2.44E-06	7.11E-07	4.07E-03	1.28E-06	3.73E-07	8.45E-03	2.67E-06	7.75E-07	4.71E-03	1.49E-06	4.32E-07	5.67E-03	1.79E-06	5.21E-07	2.12E-03	6.68E-07	1.94E-07
78	486583.18, 3855593.15	7.49E-03	2.36E-06	6.88E-07	3.88E-03	1.23E-06	3.56E-07	8.16E-03	2.58E-06	7.49E-07	4.50E-03	1.42E-06	4.13E-07	5.52E-03	1.74E-06	5.06E-07	2.02E-03	6.37E-07	1.85E-07
79	486633.18, 3855593.15	7.27E-03	2.29E-06	6.67E-07	3.72E-03	1.17E-06	3.42E-07	7.91E-03	2.50E-06	7.26E-07	4.31E-03	1.36E-06	3.96E-07	5.38E-03	1.70E-06	4.94E-07	1.94E-03	6.11E-07	1.78E-07
80	486683.18, 3855593.15	7.09E-03	2.24E-06	6.51E-07	3.59E-03	1.13E-06	3.29E-07	7.70E-03	2.43E-06	7.07E-07	4.15E-03	1.31E-06	3.81E-07	5.27E-03	1.66E-06	4.84E-07	1.87E-03	5.89E-07	1.71E-07
81	486533.18, 3855643.15	8.26E-03	2.61E-06	7.59E-07	4.38E-03	1.38E-06	4.02E-07	9.02E-03	2.85E-06	8.28E-07	5.07E-03	1.60E-06	4.66E-07	6.02E-03	1.90E-06	5.53E-07	2.28E-03	7.19E-07	2.09E-07
82	486583.18, 3855643.15	8.00E-03	2.52E-06	7.34E-07	4.19E-03	1.32E-06	3.84E-07	8.72E-03	2.75E-06	8.00E-07	4.85E-03	1.53E-06	4.45E-07	5.86E-03	1.85E-06	5.38E-07	2.18E-03	6.87E-07	2.00E-07
83	486633.18, 3855643.15	7.75E-03	2.44E-06	7.11E-07	4.00E-03	1.26E-06	3.68E-07	8.44E-03	2.66E-06	7.74E-07	4.64E-03	1.46E-06	4.26E-07	5.71E-03	1.80E-06	5.24E-07	2.08E-03	6.57E-07	1.91E-07
84	486683.18, 3855643.15	7.52E-03	2.37E-06	6.91E-07	3.84E-03	1.21E-06	3.53E-07	8.19E-03	2.58E-06	7.52E-07	4.45E-03	1.40E-06	4.09E-07	5.57E-03	1.76E-06	5.12E-07	2.00E-03	6.31E-07	1.84E-07
85	486533.18, 3855693.15	8.85E-03	2.79E-06	8.13E-07	4.74E-03	1.50E-06	4.35E-07	9.67E-03	3.05E-06	8.88E-07	5.49E-03	1.73E-06	5.04E-07	6.42E-03	2.03E-06	5.90E-07	2.47E-03	7.78E-07	2.26E-07
86	486583.18, 3855693.15	8.49E-03	2.68E-06	7.79E-07	4.48E-03	1.41E-06	4.11E-07	9.26E-03	2.92E-06	8.50E-07	5.19E-03	1.64E-06	4.76E-07	6.20E-03	1.96E-06	5.69E-07	2.33E-03	7.35E-07	2.14E-07
87	486633.18, 3855693.15	8.14E-03	2.57E-06	7.48E-07	4.24E-03	1.34E-06	3.89E-07	8.87E-03	2.80E-06	8.15E-07	4.91E-03	1.55E-06	4.50E-07	5.98E-03	1.89E-06	5.49E-07	2.20E-03	6.95E-07	2.02E-07
88	486683.18, 3855693.15	7.98E-03	2.52E-06	7.32E-07	4.11E-03	1.30E-06	3.77E-07	8.69E-03	2.74E-06	7.97E-07	4.76E-03	1.50E-06	4.37E-07	5.89E-03	1.86E-06	5.41E-07	2.14E-03	6.75E-07	1.96E-07
89	486733.18, 3855693.15	7.88E-03	2.49E-06	7.24E-07	4.03E-03	1.27E-06	3.70E-07	8.58E-03	2.71E-06	7.87E-07	4.66E-03	1.47E-06	4.28E-07	5.84E-03	1.84E-06	5.36E-07	2.10E-03	6.61E-07	1.92E-07
90	486783.18, 3855693.15	7.82E-03	2.47E-06	7.18E-07	3.97E-03	1.25E-06	3.64E-07	8.51E-03	2.68E-06	7.81E-07	4.60E-03	1.45E-06	4.22E-07	5.81E-03	1.83E-06	5.33E-07	2.06E-03	6.52E-07	1.90E-07
91	486533.18, 3855743.15	9.42E-03	2.97E-06	8.65E-07	5.09E-03	1.61E-06	4.67E-07	1.03E-02	3.25E-06	9.45E-07	5.89E-03	1.86E-06	5.41E-07	6.81E-03	2.15E-06	6.25E-07	2.64E-03	8.35E-07	2.43E-07
92	486583.18, 3855743.15	8.96E-03	2.83E-06	8.23E-07	4.76E-03	1.50E-06	4.37E-07	9.78E-03	3.09E-06	8.98E-07	5.52E-03	1.74E-06	5.06E-07	6.52E-03	2.06E-06	5.99E-07	2.48E-03	7.82E-07	2.27E-07
93	486633.18, 3855743.15	8.65E-03	2.73E-06	7.94E-07	4.53E-03	1.43E-06	4.16E-07	9.43E-03	2.98E-06	8.65E-07	5.25E-03	1.66E-06	4.82E-07	6.33E-03	2.00E-06	5.81E-07	2.36E-03	7.44E-07	2.17E-07
94	486683.18, 3855743.15	8.51E-03	2.69E-06	7.81E-07	4.42E-03	1.40E-06	4.06E-07	9.27E-03	2.93E-06	8.51E-07	5.12E-03	1.62E-06	4.70E-07	6.25E-03	1.97E-06	5.74E-07	2.30E-03	7.26E-07	2.11E-07
95	486733.18, 3855743.15	8.32E-03	2.63E-06	7.64E-07	4.28E-03	1.35E-06	3.93E-07	9.06E-03	2.86E-06	8.32E-07	4.96E-03	1.57E-06	4.55E-07	6.14E-03	1.94E-06	5.64E-07	2.23E-03	7.03E-07	2.05E-07
96	486783.18, 3855743.15	8.29E-03	2.62E-06	7.61E-07	4.24E-03	1.34E-06	3.89E-07	9.02E-03	2.85E-06	8.29E-07	4.91E-03	1.55E-06	4.51E-07	6.14E-03	1.94E-06	5.64E-07	2.21E-03	6.96E-07	2.03E-07
97	486533.18, 3855793.15	1.00E-02	3.17E-06	9.21E-07	5.46E-03	1.72E-06	5.01E-07	1.10E-02	3.46E-06	1.01E-06	6.32E-03	2.00E-06	5.80E-07	7.23E-03	2.28E-06	6.63E-07	2.84E-03	8.96E-07	2.61E-07
98	486583.18, 3855793.15	9.42E-03	2.97E-06	8.65E-07	5.04E-03	1.59E-06	4.62E-07	1.03E-02	3.25E-06	9.44E-07	5.83E-03	1.84E-06	5.35E-07	6.84E-03	2.16E-06	6.28E-07	2.62E-03	8.27E-07	2.40E-07
99	486633.18, 3855793.15	9.24E-03	2.92E-06	8.49E-07	4.89E-03	1.54E-06	4.49E-07	1.01E-02	3.18E-06	9.26E-07	5.67E-03	1.79E-06	5.20E-07	6.74E-03	2.13E-06	6.19E-07	2.55E-03	8.03E-07	2.34E-07
100	486683.18, 3855793.15	9.09E-03	2.87E-06	8.35E-07	4.77E-03	1.51E-06	4.38E-07	9.91E-03	3.13E-06	9.10E-07	5.52E-03	1.74E-06	5.07E-07	6.66E-03	2.10E-06	6.11E-07	2.48E-03	7.83E-07	2.28E-07
101	486733.18, 3855793.15	8.91E-03	2.81E-06	8.18E-07	4.63E-03	1.46E-06	4.25E-07	9.71E-03	3.06E-06	8.91E-07	5.36E-03	1.69E-06	4.92E-07	6.55E-03	2.07E-06	6.01E-07	2.41E-03	7.60E-07	2.21E-07
102	486783.18, 3855793.15	8.76E-03	2.77E-06	8.04E-07	4.51E-03	1.42E-06	4.14E-07	9.54E-03	3.01E-06	8.76E-07	5.22E-03	1.65E-06	4.80E-07	6.47E-03	2.04E-06	5.94E-07	2.35E-03	7.41E-07	2.15E-07
103	486533.18, 3855843.15	1.06E-02	3.33E-06	9.70E-07	5.78E-03	1.83E-06	5.31E-07	1.16E-02	3.65E-06	1.06E-06	6.70E-03	2.11E-06	6.15E-07	7.59E-03	2.39E-06	6.96E-07	3.01E-03	9.49E-07	2.76E-07
104	486583.18, 3855843.15	1.00E-02	3.16E-06	9.20E-07	5.40E-03	1.71E-06	4.96E-07	1.10E-02	3.46E-06	1.01E-06	6.26E-03	1.98E-06	5.74E-07	7.25E-03	2.29E-06	6.66E-07	2.81E-03	8.87E-07	2.58E-07
105	486633.18, 3855843.15	9.83E-03	3.10E-06	9.02E-07	5.25E-03	1.66E-06	4.82E-07	1.07E-02	3.39E-06	9.86E-07	6.08E-03	1.92E-06	5.58E-07	7.14E-03	2.25E-06	6.56E-07	2.73E-03	8.62E-07	2.51E-07
106	486683.18, 3855843.15	9.65E-03	3.05E-06	8.86E-07	5.11E-03	1.61E-06	4.69E-07	1.05E-02	3.32E-06	9.67E-07	5.91E-03	1.87E-06	5.43E-07	7.04E-03	2.22E-06	6.47E-07	2.66E-03	8.38E-07	2.44E-07
107	486733.18, 3855843.15	9.49E-03	2.99E-06	8.71E-07	4.97E-03	1.57E-06	4.56E-07	1.03E-02	3.26E-06	9.49E-07	5.75E-03	1.82E-06	5.28E-07	6.95E-03	2.19E-06	6.38E-07	2.58E-03	8.16E-07	2.37E-07
108	486783.18, 3855843.15	9.30E-03	2.94E-06	8.54E-07	4.83E-03	1.52E-06	4.43E-07	1.01E-02	3.20E-06	9.31E-07	5.59E-03	1.76E-06	5.13E-07	6.85E-03	2.16E-06	6.29E-07	2.51E-03	7.92E-07	2.30E-07
109	486533.18, 3855893.15	1.10E-02	3.46E-06	1.01E-06	6.03E-03	1.90E-06	5.54E-07	1.20E-02	3.79E-06	1.10E-06	6.99E-03	2.20E-06	6.41E-07	7.87E-03	2.48E-06	7.22E-07	3.14E-03	9.90E-07	2.88E-07
110	486583.18, 3855893.15	1.07E-02	3.38E-06	9.83E-07	5.83E-03	1.84E-06	5.35E-07	1.17E-02	3.70E-06	1.08E-06	6.75E-03	2.13E-06	6.19E-07	7.72E-03	2.44E-06	7.08E-07	3.03E-03	9.56E-07	2.78E-07
111	486633.18, 3855893.15	1.04E-02	3.30E-06	9.59E-07	5.62E-03	1.77E-06	5.16E-07	1.14E-02	3.60E-06	1.05E-06	6.51E-03	2.06E-06	5.98E-07	7.57E-03	2.39E-06	6.95E-07	2.92E-03	9.23E-07	2.68E-07
112	486683.18, 3855893.15	1.02E-02	3.23E-06	9.40E-07	5.46E-03	1.72E-06	5.01E-07	1.12E-02	3.53E-06	1.03E-06	6.32E-03	2.00E-06	5.80E-07	7.45E-03	2.35E-06	6.84E-07	2.84E-03	8.96E-07	2.61E-07
113	486733.18, 3855893.15	1.01E-02	3.17E-06	9.23E-07	5.30E-03	1.67E-06	4.87E-07	1.10E-02	3.46E-06	1.01E-06	6.14E-03	1.94E-06	5.64E-07	7.34E-03	2.32E-06	6.74E-07	2.76E-03	8.71E-07	2.53E-07
114	486783.18, 3855893.15	9.90E-03	3.12E-06	9.08E-07	5.17E-03	1.63E-06	4.75E-07	1.08E-02	3.40E-06	9.90E-07	5.99E-03	1.89E-06	5.50E-07	7.26E-03	2.29E-06	6.66E-07	2.69E-03	8.49E-07	2.47E-07
115	486533.18, 3855943.15	1.16E-02	3.67E-06	1.07E-06	6.44E-03	2.03E-06	5.91E-07	1.27E-02	4.02E-06	1.17E-06	7.46E-03	2.35E-06	6.85E-07	8.30E-03	2.62E-06	7.62E-07	3.35E-03	1.06E-06	3.07E-07
116	486583.18, 3855943.15	1.14E-02	3.61E-06	1.05E-06	6.28E-03	1.98E-06	5.77E-07	1.25E-02	3.95E-06	1.15E-06	7.27E-03	2.30E-06	6.68E-07	8.21E-03	2.59E-06	7.53E-07	3.27E-03	1.03E-06	3.00E-07
117	486633.18, 3855943.15	1.11E-02	3.51E-06	1.02E-06	6.03E-03	1.90E-06	5.53E-07	1.21E-02	3.83E-06	1.11E-06	6.98E-03	2.20E-06	6.41E-07	8.01E-03	2.53E-06	7.35E-07	3.13E-03	9.89E-07	2.88E-07
118	486683.18, 3855943.15	1.09E-02	3.44E-06	1.00E-06	5.86E-03	1.85E-06	5.38E-07	1.19E-02	3.76E-06	1.09E-06	6.79E-03	2.14E-06	6.23E-07	7.90E-03	2.49E-06	7.26E-07	3.05E-03	9.62E-07	2.80E-07
119	486733.18, 3855943.15	1.06E-02	3.36E-06	9.78E-07	5.66E-03	1.79E-06	5.20E-07	1.16E-02	3.67E-06	1.07E-06	6.56E-03	2.07E-06	6.02E-07	7.75E-03	2.45E-06	7.12E-07	2.94E-03	9.29E-07	2.70E-07
120	486783.18, 3855943.15	1.05E-02	3.31E-06	9.63E-07	5.52E-03	1.74E-06	5.07E-07	1.14E-02	3.61E-06	1.05E-06	6.40E-03	2.02E-06	5.87E-07	7.67E-03	2.42E-06	7.04E-07	2.87E-03	9.06E-07	2.64E-07
121	486533.18, 3855993.15	1.24E-02	3.92E-06	1.14E-06	6.95E-03	2.19E-06	6.38E-07	1.36E-02	4.30E-06	1.25E-06	8.05E-03	2.54E-06	7.39E-07	8.83E-03	2.79E-06	8.11E-07	3.62E-03	1.14E-06	3.32E-07
122	486583.18, 3855993.15	1.21E-02	3.82E-06	1.11E-06	6.71E-03	2.12E-06	6.16E-07	1.33E-02	4.19E-06	1.22E-06	7.77E-03	2.45E-06	7.13E-07	8.66E-03	2.73E-06	7.95E-07	3.49E-03	1.10E-06	3.20E-07
123	486633.18, 3855993.15	1.18E-02	3.73E-06	1.08E-06	6.46E-03	2.04E-06	5.93E-07	1.29E-02	4.08E-06	1.19E-06	7.49E-03	2.36E-06	6.87E-07	8.48E-03	2.68E-06	7.79E-07	3.36E-03	1.06E-06	3.09E-07
124	486683.18, 3855993.15	1.16E-02	3.65E-06	1.06E-06	6.27E-03	1.98E-06	5.76E-07	1.27E-02	3.99E-06	1.16E-06	7.26E-03	2.29E-06	6.67E-07	8.35E-03	2.64E-06	7.67E-07	3.26E-03	1.03E-06	2.99E-07
125	486733.18, 3855993.15	1.13E-02	3.57E-06	1.04E-06	6.06E-03	1.91E-06	5.56E-07	1.23E-02	3.90E-06	1.13E-06	7.01E-03	2.21E-06	6.44E-07	8.20E-03	2.59E-06	7.53E-07	3.15E-03	9.94E-07	2.89E-07
126	486783.18, 3855993.15	1.11E-02	3.50E-06	1.02E-06	5.87E-03	1.85E-06	5.39E-07	1.21E-02	3.81E-06	1.11E-06	6.80E-03	2.15E-06	6.25E-07	8.07E-03	2.55E-06	7.41E-07	3.05E-03	9.64E-07	2.80E-07
127	486533.18, 3856043.15	1.32E-02	4.18E-06	1.22E-06	7.49E-03	2.36E-06	6.88E-07	1.45E-02	4.59E-06	1.33E-06	8.67E-03	2.74E-06	7.96E-07	9.37E-03	2.96E-06	8.60E-07	3.89E-03	1.23E-06	3.58E-07
128	486583.18, 3856043.15	1.29E-02	4.08E-06	1.19E-06	7.23E-03	2.28E-06	6.64E-07	1.42E-02	4.48E-06	1.30E-06	8.38E-03	2.64E-06	7.69E-07	9.20E-03	2.90E-06	8.45E-07	3.76E-03	1.19E-06	3.45E-07

129	486633.18, 3856043.15	1.25E-02	3.96E-06	1.15E-06	6.93E-03	2.19E-06	6.36E-07	1.37E-02	4.34E-06	1.26E-06	8.03E-03	2.53E-06	7.37E-07	8.98E-03	2.83E-06	8.24E-07	3.60E-03	1.14E-06	3.31E-07
130	486683.18, 3856043.15	1.23E-02	3.88E-06	1.13E-06	6.72E-03	2.12E-06	6.17E-07	1.35E-02	4.25E-06	1.24E-06	7.78E-03	2.46E-06	7.15E-07	8.84E-03	2.79E-06	8.12E-07	3.49E-03	1.10E-06	3.21E-07
131	486733.18, 3856043.15	1.20E-02	3.78E-06	1.10E-06	6.46E-03	2.04E-06	5.93E-07	1.31E-02	4.13E-06	1.20E-06	7.49E-03	2.36E-06	6.87E-07	8.65E-03	2.73E-06	7.94E-07	3.36E-03	1.06E-06	3.09E-07
132	486783.18, 3856043.15	1.18E-02	3.71E-06	1.08E-06	6.29E-03	1.98E-06	5.77E-07	1.28E-02	4.05E-06	1.18E-06	7.28E-03	2.30E-06	6.69E-07	8.54E-03	2.69E-06	7.84E-07	3.27E-03	1.03E-06	3.00E-07
133	486533.18, 3856093.15	1.42E-02	4.48E-06	1.30E-06	8.13E-03	2.57E-06	7.46E-07	1.56E-02	4.93E-06	1.43E-06	9.42E-03	2.97E-06	8.64E-07	9.99E-03	3.15E-06	9.17E-07	4.23E-03	1.33E-06	3.88E-07
134	486583.18, 3856093.15	1.38E-02	4.35E-06	1.26E-06	7.78E-03	2.46E-06	7.15E-07	1.51E-02	4.77E-06	1.39E-06	9.01E-03	2.85E-06	8.28E-07	9.75E-03	3.08E-06	8.95E-07	4.05E-03	1.28E-06	3.72E-07
135	486633.18, 3856093.15	1.34E-02	4.22E-06	1.23E-06	7.46E-03	2.35E-06	6.85E-07	1.47E-02	4.62E-06	1.35E-06	8.64E-03	2.73E-06	7.93E-07	9.52E-03	3.00E-06	8.74E-07	3.88E-03	1.22E-06	3.56E-07
136	486683.18, 3856093.15	1.30E-02	4.12E-06	1.20E-06	7.20E-03	2.27E-06	6.61E-07	1.43E-02	4.51E-06	1.31E-06	8.33E-03	2.63E-06	7.65E-07	9.34E-03	2.95E-06	8.57E-07	3.74E-03	1.18E-06	3.43E-07
137	486733.18, 3856093.15	1.27E-02	4.01E-06	1.17E-06	6.92E-03	2.18E-06	6.35E-07	1.39E-02	4.38E-06	1.28E-06	8.02E-03	2.53E-06	7.36E-07	9.14E-03	2.89E-06	8.39E-07	3.60E-03	1.14E-06	3.30E-07
138	486783.18, 3856093.15	1.24E-02	3.92E-06	1.14E-06	6.70E-03	2.11E-06	6.15E-07	1.36E-02	4.29E-06	1.25E-06	7.76E-03	2.45E-06	7.12E-07	8.99E-03	2.84E-06	8.26E-07	3.48E-03	1.10E-06	3.20E-07
139	486533.18, 3856143.15	1.52E-02	4.79E-06	1.39E-06	8.80E-03	2.78E-06	8.08E-07	1.67E-02	5.27E-06	1.53E-06	1.02E-02	3.22E-06	9.35E-07	1.06E-02	3.35E-06	9.75E-07	4.57E-03	1.44E-06	4.20E-07
140	486583.18, 3856143.15	1.46E-02	4.62E-06	1.34E-06	8.36E-03	2.64E-06	7.67E-07	1.61E-02	5.07E-06	1.48E-06	9.68E-03	3.06E-06	8.89E-07	1.03E-02	3.25E-06	9.46E-07	4.35E-03	1.37E-06	3.99E-07
141	486633.18, 3856143.15	1.42E-02	4.49E-06	1.31E-06	8.03E-03	2.53E-06	7.37E-07	1.56E-02	4.93E-06	1.43E-06	9.30E-03	2.93E-06	8.54E-07	1.01E-02	3.18E-06	9.26E-07	4.17E-03	1.32E-06	3.83E-07
142	486683.18, 3856143.15	1.38E-02	4.37E-06	1.27E-06	7.70E-03	2.43E-06	7.07E-07	1.52E-02	4.79E-06	1.39E-06	8.92E-03	2.82E-06	8.19E-07	9.86E-03	3.11E-06	9.05E-07	4.01E-03	1.26E-06	3.68E-07
143	486733.18, 3856143.15	1.35E-02	4.25E-06	1.24E-06	7.41E-03	2.34E-06	6.80E-07	1.47E-02	4.65E-06	1.35E-06	8.58E-03	2.71E-06	7.88E-07	9.65E-03	3.05E-06	8.86E-07	3.85E-03	1.22E-06	3.54E-07
144	486783.18, 3856143.15	1.32E-02	4.17E-06	1.21E-06	7.19E-03	2.27E-06	6.60E-07	1.45E-02	4.56E-06	1.33E-06	8.32E-03	2.63E-06	7.64E-07	9.52E-03	3.01E-06	8.74E-07	3.74E-03	1.18E-06	3.43E-07
145	486533.18, 3856193.15	1.63E-02	5.15E-06	1.50E-06	9.59E-03	3.03E-06	8.80E-07	1.80E-02	5.67E-06	1.65E-06	1.11E-02	3.51E-06	1.02E-06	1.13E-02	3.58E-06	1.04E-06	4.98E-03	1.57E-06	4.58E-07
146	486583.18, 3856193.15	1.56E-02	4.93E-06	1.44E-06	9.04E-03	2.85E-06	8.30E-07	1.72E-02	5.43E-06	1.58E-06	1.05E-02	3.30E-06	9.61E-07	1.09E-02	3.45E-06	1.00E-06	4.70E-03	1.48E-06	4.31E-07
147	486633.18, 3856193.15	1.52E-02	4.78E-06	1.39E-06	8.65E-03	2.73E-06	7.94E-07	1.66E-02	5.25E-06	1.53E-06	1.00E-02	3.16E-06	9.19E-07	1.07E-02	3.37E-06	9.80E-07	4.50E-03	1.42E-06	4.13E-07
148	486683.18, 3856193.15	1.48E-02	4.67E-06	1.36E-06	8.33E-03	2.63E-06	7.64E-07	1.62E-02	5.12E-06	1.49E-06	9.64E-03	3.04E-06	8.85E-07	1.05E-02	3.31E-06	9.62E-07	4.33E-03	1.37E-06	3.97E-07
149	486733.18, 3856193.15	1.43E-02	4.52E-06	1.31E-06	7.96E-03	2.51E-06	7.31E-07	1.57E-02	4.95E-06	1.44E-06	9.22E-03	2.91E-06	8.46E-07	1.02E-02	3.22E-06	9.38E-07	4.14E-03	1.31E-06	3.80E-07
150	486783.18, 3856193.15	1.40E-02	4.42E-06	1.29E-06	7.70E-03	2.43E-06	7.07E-07	1.53E-02	4.84E-06	1.41E-06	8.92E-03	2.81E-06	8.18E-07	1.01E-02	3.18E-06	9.24E-07	4.00E-03	1.26E-06	3.67E-07
151	486533.18, 3856243.15	1.75E-02	5.53E-06	1.61E-06	1.05E-02	3.30E-06	9.59E-07	1.93E-02	6.10E-06	1.78E-06	1.21E-02	3.82E-06	1.11E-06	1.21E-02	3.81E-06	1.11E-06	5.43E-03	1.71E-06	4.99E-07
152	486583.18, 3856243.15	1.68E-02	5.31E-06	1.54E-06	9.87E-03	3.12E-06	9.06E-07	1.85E-02	5.85E-06	1.70E-06	1.14E-02	3.61E-06	1.05E-06	1.17E-02	3.69E-06	1.07E-06	5.13E-03	1.62E-06	4.71E-07
153	486633.18, 3856243.15	1.62E-02	5.12E-06	1.49E-06	9.37E-03	2.96E-06	8.60E-07	1.78E-02	5.63E-06	1.64E-06	1.09E-02	3.43E-06	9.96E-07	1.14E-02	3.58E-06	1.04E-06	4.87E-03	1.54E-06	4.47E-07
154	486683.18, 3856243.15	1.57E-02	4.96E-06	1.44E-06	8.95E-03	2.83E-06	8.22E-07	1.73E-02	5.45E-06	1.58E-06	1.04E-02	3.27E-06	9.52E-07	1.11E-02	3.50E-06	1.02E-06	4.65E-03	1.47E-06	4.27E-07
155	486733.18, 3856243.15	1.53E-02	4.82E-06	1.40E-06	8.59E-03	2.71E-06	7.89E-07	1.68E-02	5.29E-06	1.54E-06	9.95E-03	3.14E-06	9.14E-07	1.08E-02	3.42E-06	9.96E-07	4.47E-03	1.41E-06	4.10E-07
156	486783.18, 3856243.15	1.48E-02	4.68E-06	1.36E-06	8.23E-03	2.60E-06	7.56E-07	1.63E-02	5.13E-06	1.49E-06	9.53E-03	3.01E-06	8.75E-07	1.06E-02	3.35E-06	9.73E-07	4.28E-03	1.35E-06	3.93E-07
157	486533.18, 3856293.15	1.90E-02	5.98E-06	1.74E-06	1.15E-02	3.63E-06	1.06E-06	2.09E-02	6.61E-06	1.92E-06	1.33E-02	4.20E-06	1.22E-06	1.29E-02	4.08E-06	1.19E-06	5.98E-03	1.89E-06	5.49E-07
158	486583.18, 3856293.15	1.81E-02	5.71E-06	1.66E-06	1.08E-02	3.40E-06	9.90E-07	2.00E-02	6.30E-06	1.83E-06	1.25E-02	3.94E-06	1.15E-06	1.25E-02	3.94E-06	1.14E-06	5.60E-03	1.77E-06	5.15E-07
159	486633.18, 3856293.15	1.74E-02	5.49E-06	1.60E-06	1.02E-02	3.22E-06	9.36E-07	1.91E-02	6.04E-06	1.76E-06	1.18E-02	3.73E-06	1.08E-06	1.21E-02	3.81E-06	1.11E-06	5.30E-03	1.67E-06	4.87E-07
160	486683.18, 3856293.15	1.68E-02	5.29E-06	1.54E-06	9.69E-03	3.06E-06	8.89E-07	1.84E-02	5.82E-06	1.69E-06	1.12E-02	3.54E-06	1.03E-06	1.17E-02	3.71E-06	1.08E-06	5.04E-03	1.59E-06	4.62E-07
161	486733.18, 3856293.15	1.63E-02	5.14E-06	1.50E-06	9.28E-03	2.93E-06	8.52E-07	1.79E-02	5.65E-06	1.64E-06	1.07E-02	3.39E-06	9.87E-07	1.15E-02	3.63E-06	1.06E-06	4.82E-03	1.52E-06	4.43E-07
162	486783.18, 3856293.15	1.58E-02	4.98E-06	1.45E-06	8.85E-03	2.79E-06	8.12E-07	1.73E-02	5.46E-06	1.59E-06	1.02E-02	3.23E-06	9.41E-07	1.12E-02	3.54E-06	1.03E-06	4.60E-03	1.45E-06	4.22E-07
163	486783.18, 3856343.15	1.69E-02	5.32E-06	1.55E-06	9.58E-03	3.02E-06	8.80E-07	1.85E-02	5.84E-06	1.70E-06	1.11E-02	3.50E-06	1.02E-06	1.19E-02	3.76E-06	1.09E-06	4.98E-03	1.57E-06	4.57E-07
164	486833.18, 3856343.15	1.63E-02	5.15E-06	1.50E-06	9.14E-03	2.88E-06	8.39E-07	1.79E-02	5.65E-06	1.64E-06	1.06E-02	3.34E-06	9.71E-07	1.16E-02	3.67E-06	1.07E-06	4.75E-03	1.50E-06	4.36E-07
165	486883.18, 3856343.15	1.58E-02	5.00E-06	1.45E-06	8.73E-03	2.76E-06	8.02E-07	1.73E-02	5.48E-06	1.59E-06	1.01E-02	3.19E-06	9.28E-07	1.14E-02	3.58E-06	1.04E-06	4.54E-03	1.43E-06	4.17E-07
166	486783.18, 3856393.15	1.79E-02	5.66E-06	1.65E-06	1.03E-02	3.26E-06	9.49E-07	1.97E-02	6.22E-06	1.81E-06	1.20E-02	3.78E-06	1.10E-06	1.26E-02	3.97E-06	1.15E-06	5.37E-03	1.70E-06	4.93E-07
167	486833.18, 3856393.15	1.73E-02	5.47E-06	1.59E-06	9.82E-03	3.10E-06	9.02E-07	1.90E-02	6.00E-06	1.75E-06	1.14E-02	3.59E-06	1.04E-06	1.23E-02	3.87E-06	1.12E-06	5.11E-03	1.61E-06	4.69E-07
168	486883.18, 3856393.15	1.67E-02	5.28E-06	1.53E-06	9.32E-03	2.94E-06	8.56E-07	1.83E-02	5.78E-06	1.68E-06	1.08E-02	3.41E-06	9.91E-07	1.19E-02	3.76E-06	1.09E-06	4.85E-03	1.53E-06	4.45E-07
169	487208.74, 3856886.11	2.27E-02	7.16E-06	2.08E-06	1.31E-02	4.13E-06	1.20E-06	2.50E-02	7.88E-06	2.29E-06	1.51E-02	4.78E-06	1.39E-06	1.59E-02	5.03E-06	1.46E-06	6.79E-03	2.14E-06	6.24E-07
170	487258.74, 3856886.11	2.14E-02	6.75E-06	1.96E-06	1.20E-02	3.78E-06	1.10E-06	2.35E-02	7.41E-06	2.15E-06	1.39E-02	4.38E-06	1.27E-06	1.52E-02	4.80E-06	1.40E-06	6.23E-03	1.97E-06	5.72E-07
171	487308.74, 3856886.11	2.03E-02	6.40E-06	1.86E-06	1.11E-02	3.49E-06	1.01E-06	2.22E-02	7.00E-06	2.04E-06	1.28E-02	4.04E-06	1.18E-06	1.46E-02	4.61E-06	1.34E-06	5.74E-03	1.81E-06	5.27E-07
172	487358.74, 3856886.11	1.93E-02	6.08E-06	1.77E-06	1.02E-02	3.23E-06	9.40E-07	2.10E-02	6.64E-06	1.93E-06	1.19E-02	3.74E-06	1.09E-06	1.40E-02	4.43E-06	1.29E-06	5.32E-03	1.68E-06	4.88E-07
173	487208.74, 3856936.11	2.40E-02	7.59E-06	2.21E-06	1.41E-02	4.45E-06	1.29E-06	2.65E-02	8.35E-06	2.43E-06	1.63E-02	5.15E-06	1.50E-06	1.67E-02	5.27E-06	1.53E-06	7.32E-03	2.31E-06	6.72E-07
174	487258.74, 3856936.11	2.24E-02	7.07E-06	2.06E-06	1.27E-02	4.01E-06	1.17E-06	2.46E-02	7.76E-06	2.26E-06	1.47E-02	4.65E-06	1.35E-06	1.58E-02	5.00E-06	1.45E-06	6.61E-03	2.08E-06	6.06E-07
175	487308.74, 3856936.11	2.10E-02	6.64E-06	1.93E-06	1.15E-02	3.64E-06	1.06E-06	2.30E-02	7.26E-06	2.11E-06	1.34E-02	4.22E-06	1.23E-06	1.51E-02	4.76E-06	1.39E-06	6.00E-03	1.89E-06	5.51E-07
176	487358.74, 3856936.11	1.98E-02	6.26E-06	1.82E-06	1.05E-02	3.33E-06	9.68E-07	2.16E-02	6.83E-06	1.99E-06	1.22E-02	3.86E-06	1.12E-06	1.44E-02	4.56E-06	1.33E-06	5.48E-03	1.73E-06	5.03E-07
177	487208.74, 3856986.11	2.52E-02	7.96E-06	2.32E-06	1.50E-02	4.73E-06	1.38E-06	2.78E-02	8.78E-06	2.55E-06	1.74E-02	5.48E-06	1.59E-06	1.74E-02	5.50E-06	1.60E-06	7.78E-03	2.46E-06	7.15E-07
178	487258.74, 3856986.11	2.31E-02	7.30E-06	2.12E-06	1.32E-02	4.15E-06	1.21E-06	2.54E-02	8.02E-06	2.33E-06	1.52E-02	4.81E-06	1.40E-06	1.63E-02	5.15E-06	1.50E-06	6.84E-03	2.16E-06	6.28E-07
179	487308.74, 3856986.11	2.14E-02	6.77E-06	1.97E-06	1.17E-02	3.71E-06	1.08E-06	2.35E-02	7.41E-06	2.15E-06	1.36E-02	4.29E-06	1.25E-06	1.54E-02	4.86E-06	1.42E-06	6.10E-03	1.93E-06	5.60E-07
180	487358.74, 3856986.11	2.01E-02	6.34E-06	1.84E-06	1.06E-02	3.34E-06	9.71E-07	2.19E-02	6.91E-06	2.01E-06	1.23E-02	3.87E-06	1.12E-06	1.47E-02	4.63E-06	1.35E-06	5.50E-03	1.74E-06	5.05E-07
181	487208.74, 3857036.11	2.54E-02	8.01E-06	2.33E-06	1.49E-02	4.72E-06	1.37E-06	2.80E-02	8.82E-06	2.57E-06	1.73E-02	5.46E-06	1.59E-06	1.76E-02	5.55E-06	1.62E-06	7.76E-03	2.45E-06	7.13E-07
182	487258.74, 3857036.11	2.30E-02	7.26E-06	2.11E-06	1.29E-02	4.07E-06	1.18E-06	2.52E-02	7.96E-06	2.32E-06	1.49E-02	4.71E-06	1.37E-06	1.64E-02	5.16E-06	1.50E-06	6.69E-03	2.11E-06	6.15E-07
183	487308.74, 3857036.11	2.12E-02	6.69E-06	1.95E-06	1.13E-02	3.58E-06	1.04E-06	2.32E-02	7.31E-06	2.13E-06	1.31E-02	4.14E-06	1.21E-06	1.54E-02	4.87E-06	1.42E-06	5.89E-03	1.86E-06	5.41E-07
184	487358.74, 3857036.11	1.98E-02	6.25E-06	1.82E-06	1.01E-02	3.20E-06	9.31E-07	2.15E-02	6.80E-06	1.98E-06	1.18E-02	3.71E-06	1.08E-06	1.47E-02	4.63E-06	1.35E-06	5.27E-03	1.66E-06	4.84E-07
185	487427.14, 3856878.23	1.80E-02	5.69E-06	1.65E-06	9.22E-03	2.91E-06	8.46E-07	1.96E-02	6.19E-06	1.80E-06	1.07E-02	3.37E-06	9.80E-07	1.34E-02	4.21E-06	1.23E-06	4.79E-03	1.51E-06	4.40E-07
186	487477.14, 3856878.23	1.73E-02	5.45E-06	1.59E-06	8.61E-03	2.72E-06	7.90E-07	1.88E-02	5.92E-06	1.72E-06	9.97E-03	3.15E-06	9.15E-07	1.29E-02	4.08E-06	1.19E-06	4.47E-03	1.41E-06	4.11E-07
187	487527.14, 3856878.23	1.66E-02	5.24E-06	1.52E-06	8.07E-03	2.55E-06	7.41E-07	1.80E-02	5.67E-06	1.65E-06	9.34E-03	2.95E-06	8.58E-07	1.25E-02	3.96E-06	1.15E-06	4.19E-03	1.32E-06	3.85E-07
188	487427.14, 3856928.23	1.84E-02	5.81E-06	1.69E-06	9.39E-03	2.97E-06	8.62E-07	2.00E-02	6.32E-06	1.84E-06	1.09E-02	3.43E-06	9.99E-07	1.37E-02	4.31E-06	1.25E-06	4.88E-03	1.54E-06	4.48E-07
189	487477.14, 3856928.23	1.76E-02	5.54E-06	1.61E-06	8.71E-03	2.75E-06	8.00E-07	1.91E-02	6.02E-06	1.75E-06	1.01E-02	3.18E-06	9.26E-07	1.32E-02	4.16E-06	1.21E-06	4.53E-03	1.43E-06	4.16E-07
190	487527.14, 3856928.23	1.68E-02	5.31E-06	1.54E-06	8.11E-03	2.56E-06	7.44E-07	1.82E-02	5.75E-06	1.67E-06	9.39E-03	2.96E-06	8.62E-07	1.28E-02	4.03E-06	1.17E-06	4.21E-03	1.33E-06	3.87E-07
191	487577.14, 3856928.23	1.61E-02	5.10E-06	1.48E-06	7.57E-03	2.39E-06	6.95E-07	1.75E-02	5.51E-06	1.60E-06	8.77E-03	2.77E-06	8.05E-07	1.24E-02	3.91E-06	1.14E-06	3.94E-03	1.24E-06	3.61E-07
192	487627.14, 3856928.23	1.55E-02	4.90E-06	1.43E-06	7.11E-03	2.24E-06	6.52E-07	1.68E-02	5.29E-06	1.54E-06	8.23E-03	2.60E-06	7.56E-07	1.20E-02	3.79E-06	1.10E-06	3.69E-03	1.17E-06	3.39E-07
193	487677.14, 3856928.23	1.50E-02	4.74E-06	1.38E-06	6.68E-03	2.11E-06	6.13E-07	1.62E-02	5.10E-06	1.48E-06	7.74E-03	2.44E-06	7.10E-07	1.17E-02	3.70E-06	1.08E-06	3.47E-03	1.10E-06	3.19E-07
194	487727.14, 3856928.23	1.45E-02	4.59E-06	1.33E-06	6.30E-03	1.99E-06	5.78E-07	1.56E-02	4.93E-06	1.43E-06	7.30E-03	2.30E-06	6.70E-07	1.15E-02	3.62E-06	1.05E-06	3.27E-03	1.03E-06	3.01E-07

195	487777.14, 3856928.23	1.41E-02	4.45E-06	1.29E-06	5.96E-03	1.88E-06	5.47E-07	1.51E-02	4.77E-06	1.39E-06	6.90E-03	2.18E-06	6.34E-07	1.12E-02	3.54E-06	1.03E-06	3.10E-03	9.78E-07	2.84E-07
196	487427.14, 3856978.23	1.86E-02	5.86E-06	1.70E-06	9.36E-03	2.95E-06	8.59E-07	2.02E-02	6.36E-06	1.85E-06	1.08E-02	3.42E-06	9.95E-07	1.38E-02	4.36E-06	1.27E-06	4.86E-03	1.53E-06	4.46E-07
197	487477.14, 3856978.23	1.76E-02	5.57E-06	1.62E-06	8.61E-03	2.72E-06	7.90E-07	1.91E-02	6.04E-06	1.76E-06	9.97E-03	3.15E-06	9.15E-07	1.33E-02	4.21E-06	1.22E-06	4.47E-03	1.41E-06	4.11E-07
198	487527.14, 3856978.23	1.68E-02	5.32E-06	1.55E-06	7.97E-03	2.51E-06	7.31E-07	1.82E-02	5.75E-06	1.67E-06	9.23E-03	2.91E-06	8.47E-07	1.29E-02	4.07E-06	1.18E-06	4.14E-03	1.31E-06	3.80E-07
199	487577.14, 3856978.23	1.62E-02	5.10E-06	1.48E-06	7.41E-03	2.34E-06	6.81E-07	1.74E-02	5.50E-06	1.60E-06	8.59E-03	2.71E-06	7.88E-07	1.25E-02	3.94E-06	1.15E-06	3.85E-03	1.22E-06	3.54E-07
200	487627.14, 3856978.23	1.55E-02	4.90E-06	1.43E-06	6.94E-03	2.19E-06	6.37E-07	1.67E-02	5.28E-06	1.53E-06	8.03E-03	2.54E-06	7.37E-07	1.21E-02	3.82E-06	1.11E-06	3.61E-03	1.14E-06	3.31E-07
201	487677.14, 3856978.23	1.50E-02	4.73E-06	1.38E-06	6.50E-03	2.05E-06	5.97E-07	1.61E-02	5.08E-06	1.48E-06	7.53E-03	2.38E-06	6.92E-07	1.18E-02	3.73E-06	1.08E-06	3.38E-03	1.07E-06	3.10E-07
202	487727.14, 3856978.23	1.45E-02	4.56E-06	1.33E-06	6.14E-03	1.94E-06	5.64E-07	1.55E-02	4.90E-06	1.42E-06	7.11E-03	2.24E-06	6.53E-07	1.15E-02	3.62E-06	1.05E-06	3.19E-03	1.01E-06	2.93E-07
203	487777.14, 3856978.23	1.41E-02	4.44E-06	1.29E-06	5.78E-03	1.82E-06	5.31E-07	1.51E-02	4.76E-06	1.38E-06	6.69E-03	2.11E-06	6.14E-07	1.13E-02	3.57E-06	1.04E-06	3.00E-03	9.48E-07	2.76E-07
204	487427.14, 3857028.23	1.83E-02	5.79E-06	1.68E-06	8.98E-03	2.83E-06	8.24E-07	1.99E-02	6.28E-06	1.83E-06	1.04E-02	3.28E-06	9.55E-07	1.38E-02	4.37E-06	1.27E-06	4.67E-03	1.47E-06	4.28E-07
205	487477.14, 3857028.23	1.74E-02	5.50E-06	1.60E-06	8.24E-03	2.60E-06	7.56E-07	1.88E-02	5.95E-06	1.73E-06	9.54E-03	3.01E-06	8.76E-07	1.33E-02	4.21E-06	1.22E-06	4.28E-03	1.35E-06	3.93E-07
206	487527.14, 3857028.23	1.66E-02	5.25E-06	1.53E-06	7.61E-03	2.40E-06	6.99E-07	1.79E-02	5.67E-06	1.65E-06	8.82E-03	2.78E-06	8.09E-07	1.29E-02	4.06E-06	1.18E-06	3.96E-03	1.25E-06	3.63E-07
207	487577.14, 3857028.23	1.60E-02	5.04E-06	1.47E-06	7.07E-03	2.23E-06	6.49E-07	1.72E-02	5.42E-06	1.58E-06	8.19E-03	2.59E-06	7.52E-07	1.25E-02	3.94E-06	1.15E-06	3.68E-03	1.16E-06	3.38E-07
208	487627.14, 3857028.23	1.53E-02	4.84E-06	1.41E-06	6.62E-03	2.09E-06	6.07E-07	1.65E-02	5.20E-06	1.51E-06	7.66E-03	2.42E-06	7.04E-07	1.21E-02	3.83E-06	1.11E-06	3.44E-03	1.09E-06	3.16E-07
209	487677.14, 3857028.23	1.48E-02	4.68E-06	1.36E-06	6.21E-03	1.96E-06	5.70E-07	1.59E-02	5.01E-06	1.46E-06	7.19E-03	2.27E-06	6.60E-07	1.18E-02	3.73E-06	1.08E-06	3.23E-03	1.02E-06	2.96E-07
210	487727.14, 3857028.23	1.44E-02	4.53E-06	1.32E-06	5.84E-03	1.84E-06	5.36E-07	1.54E-02	4.85E-06	1.41E-06	6.76E-03	2.13E-06	6.21E-07	1.16E-02	3.65E-06	1.06E-06	3.03E-03	9.58E-07	2.79E-07
211	487777.14, 3857028.23	1.39E-02	4.40E-06	1.28E-06	5.51E-03	1.74E-06	5.06E-07	1.49E-02	4.70E-06	1.37E-06	6.39E-03	2.02E-06	5.86E-07	1.13E-02	3.57E-06	1.04E-06	2.87E-03	9.05E-07	2.63E-07
212	487427.14, 3857078.23	1.77E-02	5.60E-06	1.63E-06	8.26E-03	2.61E-06	7.58E-07	1.92E-02	6.05E-06	1.76E-06	9.57E-03	3.02E-06	8.78E-07	1.36E-02	4.31E-06	1.25E-06	4.29E-03	1.36E-06	3.94E-07
213	487477.14, 3857078.23	1.69E-02	5.34E-06	1.55E-06	7.61E-03	2.40E-06	6.98E-07	1.82E-02	5.75E-06	1.67E-06	8.81E-03	2.78E-06	8.09E-07	1.32E-02	4.16E-06	1.21E-06	3.95E-03	1.25E-06	3.63E-07
214	487527.14, 3857078.23	1.62E-02	5.11E-06	1.49E-06	7.05E-03	2.22E-06	6.47E-07	1.74E-02	5.50E-06	1.60E-06	8.16E-03	2.58E-06	7.49E-07	1.28E-02	4.03E-06	1.17E-06	3.66E-03	1.16E-06	3.36E-07
215	487577.14, 3857078.23	1.56E-02	4.92E-06	1.43E-06	6.57E-03	2.07E-06	6.03E-07	1.67E-02	5.27E-06	1.53E-06	7.61E-03	2.40E-06	6.99E-07	1.24E-02	3.91E-06	1.14E-06	3.42E-03	1.08E-06	3.14E-07
216	487627.14, 3857078.23	1.50E-02	4.74E-06	1.38E-06	6.16E-03	1.94E-06	5.65E-07	1.61E-02	5.08E-06	1.48E-06	7.13E-03	2.25E-06	6.55E-07	1.21E-02	3.81E-06	1.11E-06	3.20E-03	1.01E-06	2.94E-07
217	487677.14, 3857078.23	1.45E-02	4.59E-06	1.33E-06	5.79E-03	1.83E-06	5.32E-07	1.55E-02	4.90E-06	1.43E-06	6.71E-03	2.12E-06	6.16E-07	1.18E-02	3.72E-06	1.08E-06	3.01E-03	9.50E-07	2.76E-07
218	487727.14, 3857078.23	1.41E-02	4.45E-06	1.30E-06	5.46E-03	1.72E-06	5.02E-07	1.51E-02	4.75E-06	1.38E-06	6.33E-03	2.00E-06	5.81E-07	1.15E-02	3.64E-06	1.06E-06	2.84E-03	8.97E-07	2.61E-07
219	487777.14, 3857078.23	1.37E-02	4.33E-06	1.26E-06	5.18E-03	1.63E-06	4.75E-07	1.46E-02	4.61E-06	1.34E-06	6.00E-03	1.89E-06	5.50E-07	1.13E-02	3.56E-06	1.04E-06	2.69E-03	8.50E-07	2.47E-07
220	487427.14, 3857128.23	1.69E-02	5.32E-06	1.55E-06	7.30E-03	2.30E-06	6.70E-07	1.81E-02	5.72E-06	1.66E-06	8.45E-03	2.67E-06	7.76E-07	1.33E-02	4.20E-06	1.22E-06	3.79E-03	1.20E-06	3.48E-07
221	487477.14, 3857128.23	1.62E-02	5.11E-06	1.49E-06	6.79E-03	2.14E-06	6.23E-07	1.74E-02	5.48E-06	1.59E-06	7.86E-03	2.48E-06	7.22E-07	1.29E-02	4.07E-06	1.18E-06	3.53E-03	1.11E-06	3.24E-07
222	487527.14, 3857128.23	1.56E-02	4.92E-06	1.43E-06	6.34E-03	2.00E-06	5.82E-07	1.67E-02	5.26E-06	1.53E-06	7.35E-03	2.32E-06	6.74E-07	1.25E-02	3.96E-06	1.15E-06	3.30E-03	1.04E-06	3.03E-07
223	487577.14, 3857128.23	1.51E-02	4.75E-06	1.38E-06	5.95E-03	1.88E-06	5.46E-07	1.61E-02	5.07E-06	1.48E-06	6.89E-03	2.18E-06	6.33E-07	1.22E-02	3.86E-06	1.12E-06	3.09E-03	9.76E-07	2.84E-07
224	487627.14, 3857128.23	1.46E-02	4.60E-06	1.34E-06	5.60E-03	1.77E-06	5.14E-07	1.56E-02	4.91E-06	1.43E-06	6.49E-03	2.05E-06	5.96E-07	1.19E-02	3.77E-06	1.10E-06	2.91E-03	9.20E-07	2.67E-07
225	487677.14, 3857128.23	1.42E-02	4.47E-06	1.30E-06	5.30E-03	1.67E-06	4.87E-07	1.51E-02	4.76E-06	1.38E-06	6.14E-03	1.94E-06	5.64E-07	1.17E-02	3.68E-06	1.07E-06	2.76E-03	8.70E-07	2.53E-07
226	487727.14, 3857128.23	1.38E-02	4.35E-06	1.27E-06	5.02E-03	1.58E-06	4.61E-07	1.47E-02	4.63E-06	1.35E-06	5.82E-03	1.84E-06	5.34E-07	1.15E-02	3.62E-06	1.05E-06	2.61E-03	8.24E-07	2.40E-07
227	487777.14, 3857128.23	1.34E-02	4.24E-06	1.23E-06	4.78E-03	1.51E-06	4.39E-07	1.43E-02	4.50E-06	1.31E-06	5.53E-03	1.75E-06	5.08E-07	1.12E-02	3.55E-06	1.03E-06	2.48E-03	7.84E-07	2.28E-07
228	488049.44, 3856539.39	1.09E-02	3.44E-06	1.00E-06	4.51E-03	1.42E-06	4.14E-07	1.17E-02	3.69E-06	1.07E-06	5.23E-03	1.65E-06	4.80E-07	8.73E-03	2.76E-06	8.01E-07	2.35E-03	7.41E-07	2.15E-07
229	488099.44, 3856539.39	1.07E-02	3.37E-06	9.80E-07	4.38E-03	1.38E-06	4.02E-07	1.14E-02	3.61E-06	1.05E-06	5.07E-03	1.60E-06	4.65E-07	8.57E-03	2.71E-06	7.87E-07	2.27E-03	7.18E-07	2.09E-07
230	488149.44, 3856539.39	1.05E-02	3.31E-06	9.61E-07	4.24E-03	1.34E-06	3.90E-07	1.12E-02	3.54E-06	1.03E-06	4.92E-03	1.55E-06	4.51E-07	8.44E-03	2.66E-06	7.75E-07	2.21E-03	6.97E-07	2.03E-07
231	488049.44, 3856589.39	1.12E-02	3.53E-06	1.03E-06	4.60E-03	1.45E-06	4.22E-07	1.20E-02	3.78E-06	1.10E-06	5.33E-03	1.68E-06	4.89E-07	8.96E-03	2.83E-06	8.22E-07	2.39E-03	7.55E-07	2.20E-07
232	488099.44, 3856589.39	1.09E-02	3.45E-06	1.00E-06	4.45E-03	1.41E-06	4.09E-07	1.17E-02	3.69E-06	1.07E-06	5.16E-03	1.63E-06	4.73E-07	8.80E-03	2.78E-06	8.07E-07	2.32E-03	7.31E-07	2.13E-07
233	488149.44, 3856589.39	1.07E-02	3.38E-06	9.83E-07	4.31E-03	1.36E-06	3.96E-07	1.15E-02	3.61E-06	1.05E-06	4.99E-03	1.58E-06	4.59E-07	8.65E-03	2.73E-06	7.94E-07	2.24E-03	7.08E-07	2.06E-07
234	488199.44, 3856589.39	1.05E-02	3.31E-06	9.62E-07	4.18E-03	1.32E-06	3.84E-07	1.12E-02	3.54E-06	1.03E-06	4.84E-03	1.53E-06	4.44E-07	8.49E-03	2.68E-06	7.80E-07	2.17E-03	6.86E-07	1.99E-07
235	488249.44, 3856589.39	1.03E-02	3.26E-06	9.48E-07	4.05E-03	1.28E-06	3.72E-07	1.10E-02	3.48E-06	1.01E-06	4.69E-03	1.48E-06	4.31E-07	8.41E-03	2.65E-06	7.72E-07	2.11E-03	6.65E-07	1.93E-07
236	488049.44, 3856639.39	1.14E-02	3.60E-06	1.05E-06	4.67E-03	1.47E-06	4.29E-07	1.22E-02	3.86E-06	1.12E-06	5.41E-03	1.71E-06	4.97E-07	9.17E-03	2.89E-06	8.41E-07	2.43E-03	7.67E-07	2.23E-07
237	488099.44, 3856639.39	1.12E-02	3.52E-06	1.02E-06	4.52E-03	1.43E-06	4.14E-07	1.19E-02	3.77E-06	1.10E-06	5.23E-03	1.65E-06	4.80E-07	9.00E-03	2.84E-06	8.26E-07	2.35E-03	7.41E-07	2.16E-07
238	488149.44, 3856639.39	1.09E-02	3.45E-06	1.00E-06	4.37E-03	1.38E-06	4.01E-07	1.17E-02	3.68E-06	1.07E-06	5.06E-03	1.60E-06	4.64E-07	8.84E-03	2.79E-06	8.11E-07	2.27E-03	7.17E-07	2.08E-07
239	488199.44, 3856639.39	1.07E-02	3.38E-06	9.84E-07	4.22E-03	1.33E-06	3.88E-07	1.14E-02	3.61E-06	1.05E-06	4.89E-03	1.54E-06	4.49E-07	8.71E-03	2.75E-06	7.99E-07	2.20E-03	6.93E-07	2.02E-07
240	488249.44, 3856639.39	1.05E-02	3.32E-06	9.65E-07	4.09E-03	1.29E-06	3.75E-07	1.12E-02	3.54E-06	1.03E-06	4.74E-03	1.49E-06	4.35E-07	8.57E-03	2.71E-06	7.87E-07	2.13E-03	6.71E-07	1.95E-07
241	488299.44, 3856639.39	1.03E-02	3.26E-06	9.47E-07	3.96E-03	1.25E-06	3.64E-07	1.10E-02	3.47E-06	1.01E-06	4.59E-03	1.45E-06	4.21E-07	8.45E-03	2.67E-06	7.76E-07	2.06E-03	6.50E-07	1.89E-07
242	488349.44, 3856639.39	1.01E-02	3.19E-06	9.29E-07	3.84E-03	1.21E-06	3.52E-07	1.08E-02	3.40E-06	9.90E-07	4.45E-03	1.40E-06	4.08E-07	8.31E-03	2.62E-06	7.63E-07	2.00E-03	6.30E-07	1.83E-07
243	488399.44, 3856639.39	9.96E-03	3.14E-06	9.14E-07	3.72E-03	1.17E-06	3.42E-07	1.06E-02	3.35E-06	9.73E-07	4.31E-03	1.36E-06	3.96E-07	8.22E-03	2.59E-06	7.55E-07	1.94E-03	6.11E-07	1.78E-07
244	488099.44, 3856689.39	1.14E-02	3.59E-06	1.04E-06	4.56E-03	1.44E-06	4.18E-07	1.22E-02	3.84E-06	1.12E-06	5.28E-03	1.67E-06	4.85E-07	9.20E-03	2.90E-06	8.44E-07	2.37E-03	7.48E-07	2.18E-07
245	488149.44, 3856689.39	1.11E-02	3.51E-06	1.02E-06	4.40E-03	1.39E-06	4.04E-07	1.19E-02	3.75E-06	1.09E-06	5.10E-03	1.61E-06	4.68E-07	9.03E-03	2.85E-06	8.29E-07	2.29E-03	7.22E-07	2.10E-07
246	488199.44, 3856689.39	1.09E-02	3.44E-06	1.00E-06	4.25E-03	1.34E-06	3.90E-07	1.16E-02	3.67E-06	1.07E-06	4.92E-03	1.55E-06	4.52E-07	8.89E-03	2.80E-06	8.16E-07	2.21E-03	6.98E-07	2.03E-07
247	488249.44, 3856689.39	1.07E-02	3.37E-06	9.80E-07	4.11E-03	1.30E-06	3.77E-07	1.14E-02	3.59E-06	1.04E-06	4.76E-03	1.50E-06	4.37E-07	8.73E-03	2.76E-06	8.02E-07	2.14E-03	6.75E-07	1.96E-07
248	488299.44, 3856689.39	1.05E-02	3.31E-06	9.63E-07	3.97E-03	1.25E-06	3.65E-07	1.12E-02	3.53E-06	1.03E-06	4.60E-03	1.45E-06	4.23E-07	8.62E-03	2.72E-06	7.91E-07	2.07E-03	6.52E-07	1.90E-07
249	488349.44, 3856689.39	1.03E-02	3.24E-06	9.44E-07	3.85E-03	1.21E-06	3.53E-07	1.09E-02	3.45E-06	1.00E-06	4.46E-03	1.41E-06	4.09E-07	8.48E-03	2.68E-06	7.78E-07	2.00E-03	6.32E-07	1.84E-07
250	488399.44, 3856689.39	1.01E-02	3.18E-06	9.24E-07	3.73E-03	1.18E-06	3.42E-07	1.07E-02	3.38E-06	9.83E-07	4.32E-03	1.36E-06	3.97E-07	8.32E-03	2.63E-06	7.64E-07	1.94E-03	6.12E-07	1.78E-07
251	488099.44, 3856739.39	1.16E-02	3.65E-06	1.06E-06	4.58E-03	1.44E-06	4.20E-07	1.24E-02	3.90E-06	1.13E-06	5.30E-03	1.67E-06	4.87E-07	9.39E-03	2.96E-06	8.62E-07	2.38E-03	7.51E-07	2.18E-07
252	488149.44, 3856739.39	1.13E-02	3.56E-06	1.04E-06	4.41E-03	1.39E-06	4.05E-07	1.21E-02	3.80E-06	1.11E-06	5.11E-03	1.61E-06	4.69E-07	9.20E-03	2.90E-06	8.45E-07	2.30E-03	7.24E-07	2.11E-07
253	488199.44, 3856739.39	1.11E-02	3.50E-06	1.02E-06	4.26E-03	1.34E-06	3.91E-07	1.18E-02	3.73E-06	1.08E-06	4.93E-03	1.56E-06	4.52E-07	9.07E-03	2.86E-06	8.32E-07	2.21E-03	6.98E-07	2.03E-07
254	488249.44, 3856739.39	1.08E-02	3.42E-06	9.95E-07	4.11E-03	1.30E-06	3.77E-07	1.15E-02	3.64E-06	1.06E-06	4.76E-03	1.50E-06	4.37E-07	8.90E-03	2.81E-06	8.17E-07	2.14E-03	6.75E-07	1.96E-07
255	488299.44, 3856739.39	1.06E-02	3.34E-06	9.72E-07	3.97E-03	1.25E-06	3.65E-07	1.13E-02	3.56E-06	1.03E-06	4.60E-03	1.45E-06	4.23E-07	8.72E-03	2.75E-06	8.01E-07	2.07E-03	6.52E-07	1.90E-07
256	488349.44, 3856739.39	1.04E-02	3.29E-06	9.56E-07	3.84E-03	1.21E-06	3.52E-07	1.11E-02	3.50E-06	1.02E-06	4.45E-03	1.40E-06	4.08E-07	8.63E-03	2.72E-06	7.92E-07	2.00E-03	6.30E-07	1.83E-07
257	488399.44, 3856739.39	1.03E-02	3.24E-06	9.41E-07	3.71E-03	1.17E-06	3.41E-07	1.09E-02	3.44E-06	1.00E-06	4.30E-03	1.36E-06	3.95E-07	8.54E-03	2.69E-06	7.84E-07	1.93E-03	6.09E-07	1.77E-07
258	487999.44, 3856789.39	1.23E-02	3.87E-06	1.12E-06	4.96E-03	1.56E-06	4.55E-07	1.31E-02	4.14E-06	1.20E-06	5.74E-03	1.81E-06	5.27E-07	9.88E-03	3.12E-06	9.07E-07	2.58E-03	8.13E-07	2.37E-07
259	488049.44, 3856789.39	1.20E-02	3.78E-06	1.10E-06	4.76E-03	1.50E-06	4.37E-07	1.28E-02	4.03E-06	1.17E-06	5.51E-03	1.74E-06	5.06E-07	9.69E-03	3.06E-06	8.90E-07	2.47E-03	7.81E-07	2.27E-07
260	488099.44, 3856789.39	1.17E-02	3.70E-06	1.07E-06	4.57E-03	1.44E-06	4.20E-07	1.25E-02	3.94E-06	1.15E-06	5.29E-03	1.67E-06	4.86E-07	9.54E-03	3.01E-06	8.76E-07	2.38E-03	7.50E-07	2.18E-07

261 488149.44, 3856789.39	1.14E-02	3.61E-06	1.05E-06	4.40E-03	1.39E-06	4.04E-07	1.22E-02	3.85E-06	1.12E-06	5.10E-03	1.61E-06	4.68E-07	9.36E-03	2.95E-06	8.59E-07	2.29E-03	7.22E-07	2.10E-07
262 488199.44, 3856789.39	1.12E-02	3.53E-06	1.03E-06	4.24E-03	1.34E-06	3.89E-07	1.19E-02	3.76E-06	1.10E-06	4.91E-03	1.55E-06	4.51E-07	9.21E-03	2.91E-06	8.45E-07	2.20E-03	6.96E-07	2.02E-07
263 488249.44, 3856789.39	1.10E-02	3.46E-06	1.01E-06	4.09E-03	1.29E-06	3.75E-07	1.17E-02	3.68E-06	1.07E-06	4.73E-03	1.49E-06	4.35E-07	9.05E-03	2.86E-06	8.31E-07	2.13E-03	6.71E-07	1.95E-07
264 488299.44, 3856789.39	1.07E-02	3.38E-06	9.84E-07	3.95E-03	1.25E-06	3.62E-07	1.14E-02	3.60E-06	1.05E-06	4.57E-03	1.44E-06	4.20E-07	8.87E-03	2.80E-06	8.15E-07	2.05E-03	6.48E-07	1.88E-07
265 488349.44, 3856789.39	1.05E-02	3.33E-06	9.68E-07	3.81E-03	1.20E-06	3.50E-07	1.12E-02	3.53E-06	1.03E-06	4.41E-03	1.39E-06	4.05E-07	8.78E-03	2.77E-06	8.06E-07	1.98E-03	6.25E-07	1.82E-07
266 488399.44, 3856789.39	1.04E-02	3.27E-06	9.51E-07	3.68E-03	1.16E-06	3.38E-07	1.10E-02	3.47E-06	1.01E-06	4.26E-03	1.35E-06	3.91E-07	8.67E-03	2.74E-06	7.96E-07	1.91E-03	6.04E-07	1.76E-07
267 487949.44, 3856839.39	1.27E-02	4.01E-06	1.17E-06	5.15E-03	1.63E-06	4.73E-07	1.36E-02	4.29E-06	1.25E-06	5.97E-03	1.88E-06	5.48E-07	1.02E-02	3.23E-06	9.39E-07	2.68E-03	8.46E-07	2.46E-07
268 487999.44, 3856839.39	1.24E-02	3.91E-06	1.14E-06	4.93E-03	1.56E-06	4.53E-07	1.32E-02	4.17E-06	1.21E-06	5.71E-03	1.80E-06	5.25E-07	1.00E-02	3.16E-06	9.20E-07	2.56E-03	8.10E-07	2.35E-07
269 488049.44, 3856839.39	1.21E-02	3.81E-06	1.11E-06	4.73E-03	1.49E-06	4.34E-07	1.29E-02	4.07E-06	1.18E-06	5.48E-03	1.73E-06	5.03E-07	9.83E-03	3.10E-06	9.03E-07	2.46E-03	7.76E-07	2.26E-07
270 488099.44, 3856839.39	1.18E-02	3.72E-06	1.08E-06	4.54E-03	1.43E-06	4.16E-07	1.26E-02	3.97E-06	1.16E-06	5.25E-03	1.66E-06	4.82E-07	9.66E-03	3.05E-06	8.87E-07	2.36E-03	7.44E-07	2.17E-07
271 488149.44, 3856839.39	1.15E-02	3.64E-06	1.06E-06	4.36E-03	1.38E-06	4.00E-07	1.23E-02	3.88E-06	1.13E-06	5.05E-03	1.59E-06	4.63E-07	9.50E-03	3.00E-06	8.72E-07	2.27E-03	7.15E-07	2.08E-07
272 488199.44, 3856839.39	1.13E-02	3.57E-06	1.04E-06	4.19E-03	1.32E-06	3.85E-07	1.20E-02	3.79E-06	1.10E-06	4.85E-03	1.53E-06	4.46E-07	9.34E-03	2.95E-06	8.58E-07	2.18E-03	6.88E-07	2.00E-07
273 487949.44, 3856889.39	1.28E-02	4.03E-06	1.17E-06	5.09E-03	1.61E-06	4.68E-07	1.36E-02	4.31E-06	1.25E-06	5.90E-03	1.86E-06	5.42E-07	1.03E-02	3.26E-06	9.49E-07	2.65E-03	8.36E-07	2.43E-07
274 487999.44, 3856889.39	1.25E-02	3.93E-06	1.14E-06	4.86E-03	1.54E-06	4.46E-07	1.33E-02	4.20E-06	1.22E-06	5.63E-03	1.78E-06	5.17E-07	1.02E-02	3.21E-06	9.33E-07	2.53E-03	7.98E-07	2.32E-07
275 488049.44, 3856889.39	1.21E-02	3.83E-06	1.11E-06	4.66E-03	1.47E-06	4.28E-07	1.29E-02	4.08E-06	1.19E-06	5.40E-03	1.70E-06	4.95E-07	9.94E-03	3.14E-06	9.12E-07	2.42E-03	7.65E-07	2.22E-07
276 488099.44, 3856889.39	1.19E-02	3.75E-06	1.09E-06	4.46E-03	1.41E-06	4.10E-07	1.26E-02	3.99E-06	1.16E-06	5.17E-03	1.63E-06	4.75E-07	9.78E-03	3.09E-06	8.98E-07	2.32E-03	7.32E-07	2.13E-07
277 488635.86, 3857895.05	2.34E-02	7.38E-06	2.15E-06	1.14E-03	3.59E-07	1.04E-07	2.36E-02	7.43E-06	2.16E-06	1.29E-03	4.08E-07	1.19E-07	2.34E-02	7.39E-06	2.15E-06	6.70E-04	2.12E-07	6.16E-08
278 489137.64, 3857804.15	1.45E-02	4.58E-06	1.33E-06	1.12E-03	3.53E-07	1.03E-07	1.47E-02	4.64E-06	1.35E-06	1.28E-03	4.05E-07	1.18E-07	1.44E-02	4.54E-06	1.32E-06	6.12E-04	1.93E-07	5.62E-08
279 488617.32, 3857859.41	2.29E-02	7.23E-06	2.10E-06	1.18E-03	3.73E-07	1.09E-07	2.31E-02	7.28E-06	2.12E-06	1.34E-03	4.24E-07	1.23E-07	2.29E-02	7.22E-06	2.10E-06	6.91E-04	2.18E-07	6.35E-08
280 488667.32, 3857859.41	2.17E-02	6.85E-06	1.99E-06	1.17E-03	3.69E-07	1.07E-07	2.19E-02	6.90E-06	2.01E-06	1.33E-03	4.20E-07	1.22E-07	2.17E-02	6.84E-06	1.99E-06	6.77E-04	2.14E-07	6.22E-08
281 488717.32, 3857859.41	2.06E-02	6.50E-06	1.89E-06	1.15E-03	3.64E-07	1.06E-07	2.08E-02	6.55E-06	1.91E-06	1.32E-03	4.15E-07	1.21E-07	2.06E-02	6.49E-06	1.89E-06	6.64E-04	2.10E-07	6.09E-08
282 488767.32, 3857859.41	1.96E-02	6.20E-06	1.80E-06	1.14E-03	3.60E-07	1.05E-07	1.98E-02	6.25E-06	1.82E-06	1.30E-03	4.10E-07	1.19E-07	1.96E-02	6.19E-06	1.80E-06	6.50E-04	2.05E-07	5.97E-08
283 488617.32, 3857909.41	2.42E-02	7.64E-06	2.22E-06	1.13E-03	3.56E-07	1.04E-07	2.44E-02	7.70E-06	2.24E-06	1.28E-03	4.03E-07	1.17E-07	2.43E-02	7.66E-06	2.23E-06	6.70E-04	2.11E-07	6.15E-08
284 488667.32, 3857909.41	2.27E-02	7.16E-06	2.08E-06	1.11E-03	3.50E-07	1.02E-07	2.29E-02	7.22E-06	2.10E-06	1.26E-03	3.97E-07	1.16E-07	2.27E-02	7.18E-06	2.09E-06	6.50E-04	2.05E-07	5.97E-08
285 488717.32, 3857909.41	2.13E-02	6.72E-06	1.95E-06	1.09E-03	3.46E-07	1.01E-07	2.15E-02	6.77E-06	1.97E-06	1.25E-03	3.93E-07	1.14E-07	2.13E-02	6.73E-06	1.96E-06	6.36E-04	2.01E-07	5.84E-08
286 488767.32, 3857909.41	2.02E-02	6.36E-06	1.85E-06	1.08E-03	3.41E-07	9.91E-08	2.03E-02	6.41E-06	1.87E-06	1.23E-03	3.88E-07	1.13E-07	2.02E-02	6.37E-06	1.85E-06	6.21E-04	1.96E-07	5.70E-08
287 488417.32, 3857959.41	3.51E-02	1.11E-05	3.22E-06	1.19E-03	3.74E-07	1.09E-07	3.52E-02	1.11E-05	3.23E-06	1.32E-03	4.18E-07	1.22E-07	3.52E-02	1.11E-05	3.23E-06	7.65E-04	2.41E-07	7.02E-08
288 488467.32, 3857959.41	3.16E-02	9.98E-06	2.90E-06	1.14E-03	3.61E-07	1.05E-07	3.18E-02	1.00E-05	2.92E-06	1.28E-03	4.05E-07	1.18E-07	3.17E-02	1.00E-05	2.91E-06	7.21E-04	2.28E-07	6.62E-08
289 488517.32, 3857959.41	2.87E-02	9.06E-06	2.63E-06	1.11E-03	3.50E-07	1.02E-07	2.89E-02	9.11E-06	2.65E-06	1.25E-03	3.94E-07	1.15E-07	2.88E-02	9.10E-06	2.65E-06	6.85E-04	2.16E-07	6.29E-08
290 488567.32, 3857959.41	2.63E-02	8.30E-06	2.41E-06	1.08E-03	3.41E-07	9.92E-08	2.64E-02	8.35E-06	2.43E-06	1.22E-03	3.85E-07	1.12E-07	2.64E-02	8.33E-06	2.42E-06	6.56E-04	2.07E-07	6.02E-08
291 488617.32, 3857959.41	2.43E-02	7.66E-06	2.23E-06	1.06E-03	3.34E-07	9.72E-08	2.44E-02	7.71E-06	2.24E-06	1.20E-03	3.79E-07	1.10E-07	2.44E-02	7.70E-06	2.24E-06	6.33E-04	2.00E-07	5.81E-08
292 488667.32, 3857959.41	2.26E-02	7.14E-06	2.08E-06	1.04E-03	3.29E-07	9.56E-08	2.28E-02	7.18E-06	2.09E-06	1.18E-03	3.73E-07	1.09E-07	2.27E-02	7.16E-06	2.08E-06	6.14E-04	1.94E-07	5.63E-08
293 488717.32, 3857959.41	2.12E-02	6.70E-06	1.95E-06	1.03E-03	3.24E-07	9.42E-08	2.14E-02	6.74E-06	1.96E-06	1.17E-03	3.69E-07	1.07E-07	2.13E-02	6.72E-06	1.96E-06	5.98E-04	1.89E-07	5.49E-08
294 488767.32, 3857959.41	2.00E-02	6.32E-06	1.84E-06	1.01E-03	3.20E-07	9.31E-08	2.02E-02	6.37E-06	1.85E-06	1.16E-03	3.65E-07	1.06E-07	2.01E-02	6.35E-06	1.85E-06	5.84E-04	1.84E-07	5.36E-08
295 488417.32, 3858009.41	3.27E-02	1.03E-05	3.00E-06	1.09E-03	3.45E-07	1.00E-07	3.29E-02	1.04E-05	3.02E-06	1.22E-03	3.85E-07	1.12E-07	3.29E-02	1.04E-05	3.02E-06	6.98E-04	2.20E-07	6.41E-08
296 488467.32, 3858009.41	2.95E-02	9.31E-06	2.71E-06	1.05E-03	3.32E-07	9.65E-08	2.96E-02	9.35E-06	2.72E-06	1.18E-03	3.73E-07	1.08E-07	2.97E-02	9.36E-06	2.72E-06	6.57E-04	2.07E-07	6.03E-08
297 488517.32, 3858009.41	2.69E-02	8.48E-06	2.47E-06	1.02E-03	3.22E-07	9.36E-08	2.70E-02	8.52E-06	2.48E-06	1.15E-03	3.63E-07	1.06E-07	2.70E-02	8.53E-06	2.48E-06	6.25E-04	1.97E-07	5.74E-08
298 488567.32, 3858009.41	2.47E-02	7.81E-06	2.27E-06	9.95E-04	3.14E-07	9.14E-08	2.49E-02	7.86E-06	2.28E-06	1.13E-03	3.55E-07	1.03E-07	2.49E-02	7.86E-06	2.29E-06	5.99E-04	1.89E-07	5.50E-08
299 488617.32, 3858009.41	2.30E-02	7.26E-06	2.11E-06	9.78E-04	3.09E-07	8.98E-08	2.31E-02	7.31E-06	2.12E-06	1.11E-03	3.50E-07	1.02E-07	2.32E-02	7.31E-06	2.13E-06	5.80E-04	1.83E-07	5.33E-08
300 488667.32, 3858009.41	2.16E-02	6.80E-06	1.98E-06	9.65E-04	3.05E-07	8.86E-08	2.17E-02	6.85E-06	1.99E-06	1.10E-03	3.46E-07	1.01E-07	2.17E-02	6.85E-06	1.99E-06	5.65E-04	1.78E-07	5.19E-08
301 488717.32, 3858009.41	2.03E-02	6.42E-06	1.87E-06	9.53E-04	3.01E-07	8.75E-08	2.05E-02	6.47E-06	1.88E-06	1.09E-03	3.43E-07	9.97E-08	2.05E-02	6.46E-06	1.88E-06	5.52E-04	1.74E-07	5.07E-08
302 488767.32, 3858009.41	1.93E-02	6.10E-06	1.77E-06	9.44E-04	2.98E-07	8.67E-08	1.95E-02	6.14E-06	1.79E-06	1.08E-03	3.40E-07	9.88E-08	1.95E-02	6.14E-06	1.79E-06	5.42E-04	1.71E-07	4.97E-08
303 488417.32, 3858059.41	2.71E-02	8.55E-06	2.49E-06	9.59E-04	3.03E-07	8.81E-08	2.72E-02	8.59E-06	2.50E-06	1.08E-03	3.41E-07	9.92E-08	2.73E-02	8.63E-06	2.51E-06	5.91E-04	1.86E-07	5.42E-08
304 488467.32, 3858059.41	2.52E-02	7.96E-06	2.31E-06	9.36E-04	2.95E-07	8.59E-08	2.53E-02	8.00E-06	2.33E-06	1.06E-03	3.34E-07	9.71E-08	2.55E-02	8.03E-06	2.34E-06	5.67E-04	1.79E-07	5.21E-08
305 488517.32, 3858059.41	2.36E-02	7.44E-06	2.17E-06	9.17E-04	2.90E-07	8.42E-08	2.37E-02	7.49E-06	2.18E-06	1.04E-03	3.28E-07	9.54E-08	2.38E-02	7.52E-06	2.19E-06	5.48E-04	1.73E-07	5.03E-08
306 488567.32, 3858059.41	2.22E-02	7.01E-06	2.04E-06	9.03E-04	2.85E-07	8.29E-08	2.23E-02	7.05E-06	2.05E-06	1.02E-03	3.23E-07	9.41E-08	2.24E-02	7.08E-06	2.06E-06	5.32E-04	1.68E-07	4.89E-08
307 488617.32, 3858059.41	2.10E-02	6.63E-06	1.93E-06	8.91E-04	2.81E-07	8.18E-08	2.11E-02	6.67E-06	1.94E-06	1.01E-03	3.20E-07	9.30E-08	2.12E-02	6.70E-06	1.95E-06	5.20E-04	1.64E-07	4.77E-08
308 488667.32, 3858059.41	2.00E-02	6.31E-06	1.84E-06	8.84E-04	2.79E-07	8.11E-08	2.01E-02	6.35E-06	1.85E-06	1.01E-03	3.18E-07	9.24E-08	2.02E-02	6.37E-06	1.85E-06	5.10E-04	1.61E-07	4.69E-08
309 488417.32, 3858109.41	2.23E-02	7.03E-06	2.04E-06	8.48E-04	2.68E-07	7.79E-08	2.24E-02	7.07E-06	2.06E-06	9.63E-04	3.04E-07	8.84E-08	2.26E-02	7.12E-06	2.07E-06	4.99E-04	1.58E-07	4.58E-08
310 488467.32, 3858109.41	2.15E-02	6.77E-06	1.97E-06	8.37E-04	2.64E-07	7.68E-08	2.16E-02	6.81E-06	1.98E-06	9.51E-04	3.00E-07	8.73E-08	2.18E-02	6.87E-06	2.00E-06	4.89E-04	1.54E-07	4.49E-08
311 488517.32, 3858109.41	2.06E-02	6.52E-06	1.90E-06	8.26E-04	2.61E-07	7.59E-08	2.08E-02	6.56E-06	1.91E-06	9.41E-04	2.97E-07	8.64E-08	2.09E-02	6.61E-06	1.92E-06	4.79E-04	1.51E-07	4.40E-08
312 488567.32, 3858109.41	1.99E-02	6.27E-06	1.82E-06	8.19E-04	2.58E-07	7.52E-08	2.00E-02	6.31E-06	1.84E-06	9.33E-04	2.95E-07	8.57E-08	2.01E-02	6.36E-06	1.85E-06	4.71E-04	1.49E-07	4.33E-08
313 488617.32, 3858109.41	1.92E-02	6.05E-06	1.76E-06	8.12E-04	2.56E-07	7.46E-08	1.93E-02	6.09E-06	1.77E-06	9.27E-04	2.93E-07	8.51E-08	1.94E-02	6.13E-06	1.78E-06	4.64E-04	1.47E-07	4.26E-08
314 488667.32, 3858109.41	1.85E-02	5.84E-06	1.70E-06	8.09E-04	2.55E-07	7.43E-08	1.86E-02	5.88E-06	1.71E-06	9.25E-04	2.92E-07	8.49E-08	1.87E-02	5.92E-06	1.72E-06	4.60E-04	1.45E-07	4.22E-08
315 488769.93, 3858449.27	1.66E-02	5.23E-06	1.52E-06	5.36E-04	1.69E-07	4.92E-08	1.67E-02	5.26E-06	1.53E-06	6.19E-04	1.95E-07	5.68E-08	1.71E-02	5.40E-06	1.57E-06	2.87E-04	9.05E-08	2.63E-08
316 488819.93, 3858449.27	1.63E-02	5.16E-06	1.50E-06	5.35E-04	1.69E-07	4.91E-08	1.64E-02	5.19E-06	1.51E-06	6.17E-04	1.95E-07	5.66E-08	1.69E-02	5.33E-06	1.55E-06	2.86E-04	9.03E-08	2.63E-08
317 488819.93, 3858499.27	1.69E-02	5.34E-06	1.55E-06	5.14E-04	1.62E-07	4.72E-08	1.70E-02	5.36E-06	1.56E-06	5.93E-04	1.87E-07	5.44E-08	1.75E-02	5.52E-06	1.61E-06	2.74E-04	8.65E-08	2.52E-08
318 488869.93, 3858499.27	1.67E-02	5.27E-06	1.53E-06	5.12E-04	1.62E-07	4.70E-08	1.68E-02	5.29E-06	1.54E-06	5.90E-04	1.86E-07	5.42E-08	1.73E-02	5.45E-06	1.59E-06	2.73E-04	8.62E-08	2.51E-08
319 488869.93, 3858549.27	1.74E-02	5.51E-06	1.60E-06	4.93E-04	1.56E-07	4.53E-08	1.75E-02	5.53E-06	1.61E-06	5.69E-04	1.80E-07	5.22E-08	1.81E-02	5.71E-06	1.66E-06	2.63E-04	8.29E-08	2.41E-08
320 489438.17, 3859571.48	2.49E-02	7.87E-06	2.29E-06	2.81E-04	8.88E-08	2.58E-08	2.50E-02	7.88E-06	2.29E-06	3.24E-04	1.02E-07	2.97E-08	2.61E-02	8.25E-06	2.40E-06	1.53E-04	4.83E-08	1.40E-08
321 489488.17, 3859571.48	2.41E-02	7.62E-06	2.22E-06	2.81E-04	8.88E-08	2.58E-08	2.42E-02	7.63E-06	2.22E-06	3.24E-04	1.02E-07	2.97E-08	2.53E-02	7.98E-06	2.32E-06	1.53E-04	4.82E-08	1.40E-08
322 489538.17, 3859571.48	2.34E-02	7.39E-06	2.15E-06	2.81E-04	8.87E-08	2.58E-08	2.35E-02	7.40E-06	2.15E-06	3.23E-04	1.02E-07	2.97E-08	2.45E-02	7.74E-06	2.25E-06	1.52E-04	4.80E-08	1.40E-08
323 489588.17, 3859571.48	2.28E-02	7.19E-06	2.09E-06	2.80E-04	8.84E-08	2.57E-08	2.28E-02	7.20E-06	2.09E-06	3.22E-04	1.02E-07	2.96E-08	2.39E-02	7.53E-06	2.19E-06	1.51E-04	4.78E-08	1.39E-08
324 489438.17, 3859621.48	2.44E-02	7.71E-06	2.24E-06	2.74E-04	8.63E-08	2.51E-08	2.45E-02	7.72E-06	2.25E-06	3.15E-04	9.93E-08	2.89E-08	2.56E-02	8.08E-06	2.35E-06	1.49E-04	4.70E-08	1.37E-08
325 489488.17, 3859621.48	2.37E-02	7.48E-06	2.18E-06	2.74E-04	8.64E-08	2.51E-08	2.38E-02	7.50E-06	2.18E-06	3.15E-04	9.94E-08	2.89E-08	2.48E-02	7.84E-06	2.28E-06	1.49E-04	4.69E-08	1.37E-08
326 489538.17, 3859621.48	2.30E-02	7.27E-06	2.12E-06	2.74E-04	8.64E-08	2.51E-08	2.31E-02	7.29E-06	2.12E-06	3.15E-04	9.94E-08	2.89E-08	2.41E-02	7.62E-06	2.22E-06	1.48E-04	4.69E-08	1.36E-08

327 489588.17, 3859621.48	2.24E-02	7.06E-06	2.05E-06	2.74E-04	8.64E-08	2.51E-08	2.24E-02	7.07E-06	2.06E-06	3.15E-04	9.95E-08	2.89E-08	2.34E-02	7.39E-06	2.15E-06	1.48E-04	4.68E-08	1.36E-08
328 489238.17, 3859671.48	2.70E-02	8.53E-06	2.48E-06	2.63E-04	8.32E-08	2.42E-08	2.71E-02	8.54E-06	2.48E-06	3.02E-04	9.54E-08	2.78E-08	2.83E-02	8.94E-06	2.60E-06	1.45E-04	4.59E-08	1.33E-08
329 489288.17, 3859671.48	2.62E-02	8.27E-06	2.41E-06	2.64E-04	8.32E-08	2.42E-08	2.63E-02	8.29E-06	2.41E-06	3.03E-04	9.56E-08	2.78E-08	2.75E-02	8.68E-06	2.52E-06	1.45E-04	4.58E-08	1.33E-08
330 489338.17, 3859671.48	2.54E-02	8.02E-06	2.33E-06	2.64E-04	8.34E-08	2.43E-08	2.55E-02	8.04E-06	2.34E-06	3.04E-04	9.59E-08	2.79E-08	2.67E-02	8.41E-06	2.45E-06	1.45E-04	4.57E-08	1.33E-08
331 489388.17, 3859671.48	2.46E-02	7.77E-06	2.26E-06	2.65E-04	8.37E-08	2.44E-08	2.47E-02	7.79E-06	2.26E-06	3.05E-04	9.62E-08	2.80E-08	2.58E-02	8.15E-06	2.37E-06	1.45E-04	4.58E-08	1.33E-08
332 489438.17, 3859671.48	2.40E-02	7.56E-06	2.20E-06	2.66E-04	8.39E-08	2.44E-08	2.40E-02	7.58E-06	2.20E-06	3.06E-04	9.64E-08	2.81E-08	2.51E-02	7.93E-06	2.31E-06	1.45E-04	4.57E-08	1.33E-08
333 489488.17, 3859671.48	2.32E-02	7.34E-06	2.13E-06	2.67E-04	8.41E-08	2.45E-08	2.33E-02	7.35E-06	2.14E-06	3.07E-04	9.68E-08	2.82E-08	2.44E-02	7.69E-06	2.24E-06	1.45E-04	4.57E-08	1.33E-08
334 489538.17, 3859671.48	2.26E-02	7.14E-06	2.08E-06	2.67E-04	8.43E-08	2.45E-08	2.27E-02	7.15E-06	2.08E-06	3.07E-04	9.70E-08	2.82E-08	2.37E-02	7.48E-06	2.17E-06	1.45E-04	4.57E-08	1.33E-08
335 489588.17, 3859671.48	2.20E-02	6.94E-06	2.02E-06	2.67E-04	8.44E-08	2.45E-08	2.20E-02	6.96E-06	2.02E-06	3.08E-04	9.71E-08	2.82E-08	2.30E-02	7.27E-06	2.12E-06	1.45E-04	4.57E-08	1.33E-08
336 489238.17, 3859721.48	2.65E-02	8.36E-06	2.43E-06	2.56E-04	8.08E-08	2.35E-08	2.65E-02	8.38E-06	2.44E-06	2.94E-04	9.27E-08	2.70E-08	2.78E-02	8.77E-06	2.55E-06	1.41E-04	4.46E-08	1.30E-08
337 489288.17, 3859721.48	2.56E-02	8.07E-06	2.35E-06	2.57E-04	8.10E-08	2.36E-08	2.56E-02	8.08E-06	2.35E-06	2.95E-04	9.30E-08	2.70E-08	2.68E-02	8.46E-06	2.46E-06	1.41E-04	4.46E-08	1.30E-08
338 489338.17, 3859721.48	2.49E-02	7.85E-06	2.28E-06	2.57E-04	8.11E-08	2.36E-08	2.49E-02	7.86E-06	2.29E-06	2.95E-04	9.32E-08	2.71E-08	2.61E-02	8.23E-06	2.39E-06	1.41E-04	4.45E-08	1.29E-08
339 489388.17, 3859721.48	2.42E-02	7.64E-06	2.22E-06	2.58E-04	8.13E-08	2.37E-08	2.42E-02	7.65E-06	2.23E-06	2.96E-04	9.35E-08	2.72E-08	2.54E-02	8.01E-06	2.33E-06	1.41E-04	4.45E-08	1.29E-08
340 489438.17, 3859721.48	2.36E-02	7.44E-06	2.16E-06	2.58E-04	8.15E-08	2.37E-08	2.36E-02	7.46E-06	2.17E-06	2.97E-04	9.37E-08	2.72E-08	2.47E-02	7.80E-06	2.27E-06	1.41E-04	4.44E-08	1.29E-08
341 489488.17, 3859721.48	2.29E-02	7.23E-06	2.10E-06	2.59E-04	8.18E-08	2.38E-08	2.29E-02	7.24E-06	2.11E-06	2.98E-04	9.41E-08	2.74E-08	2.40E-02	7.57E-06	2.20E-06	1.41E-04	4.45E-08	1.29E-08
342 489538.17, 3859721.48	2.23E-02	7.03E-06	2.05E-06	2.60E-04	8.21E-08	2.39E-08	2.23E-02	7.05E-06	2.05E-06	2.99E-04	9.44E-08	2.75E-08	2.33E-02	7.37E-06	2.14E-06	1.41E-04	4.45E-08	1.30E-08
343 489588.17, 3859721.48	2.17E-02	6.85E-06	1.99E-06	2.61E-04	8.22E-08	2.39E-08	2.17E-02	6.86E-06	2.00E-06	3.00E-04	9.47E-08	2.75E-08	2.27E-02	7.17E-06	2.09E-06	1.41E-04	4.45E-08	1.30E-08
344 489238.17, 3859771.48	2.61E-02	8.24E-06	2.40E-06	2.49E-04	7.85E-08	2.28E-08	2.62E-02	8.26E-06	2.40E-06	2.85E-04	9.01E-08	2.62E-08	2.74E-02	8.65E-06	2.52E-06	1.37E-04	4.33E-08	1.26E-08
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346 489338.17, 3859771.48	2.46E-02	7.77E-06	2.26E-06	2.49E-04	7.87E-08	2.29E-08	2.46E-02	7.78E-06	2.26E-06	2.87E-04	9.04E-08	2.63E-08	2.58E-02	8.14E-06	2.37E-06	1.37E-04	4.32E-08	1.26E-08
347 489388.17, 3859771.48	2.40E-02	7.56E-06	2.20E-06	2.50E-04	7.89E-08	2.30E-08	2.40E-02	7.57E-06	2.20E-06	2.87E-04	9.07E-08	2.64E-08	2.51E-02	7.93E-06	2.31E-06	1.37E-04	4.32E-08	1.26E-08
348 489438.17, 3859771.48	2.34E-02	7.37E-06	2.15E-06	2.51E-04	7.91E-08	2.30E-08	2.34E-02	7.39E-06	2.15E-06	2.88E-04	9.09E-08	2.64E-08	2.45E-02	7.73E-06	2.25E-06	1.37E-04	4.31E-08	1.25E-08
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350 489538.17, 3859771.48	2.20E-02	6.95E-06	2.02E-06	2.53E-04	7.99E-08	2.32E-08	2.21E-02	6.97E-06	2.03E-06	2.91E-04	9.19E-08	2.67E-08	2.31E-02	7.29E-06	2.12E-06	1.37E-04	4.33E-08	1.26E-08
351 489588.17, 3859771.48	2.15E-02	6.79E-06	1.97E-06	2.54E-04	8.00E-08	2.33E-08	2.15E-02	6.80E-06	1.98E-06	2.92E-04	9.21E-08	2.68E-08	2.25E-02	7.11E-06	2.07E-06	1.37E-04	4.34E-08	1.26E-08
352 489238.17, 3859821.48	2.61E-02	8.23E-06	2.39E-06	2.42E-04	7.63E-08	2.22E-08	2.61E-02	8.24E-06	2.40E-06	2.77E-04	8.75E-08	2.55E-08	2.74E-02	8.64E-06	2.51E-06	1.33E-04	4.21E-08	1.22E-08
353 489288.17, 3859821.48	2.52E-02	7.96E-06	2.31E-06	2.42E-04	7.64E-08	2.22E-08	2.52E-02	7.97E-06	2.32E-06	2.78E-04	8.78E-08	2.55E-08	2.64E-02	8.35E-06	2.43E-06	1.33E-04	4.20E-08	1.22E-08
354 489338.17, 3859821.48	2.45E-02	7.75E-06	2.25E-06	2.42E-04	7.65E-08	2.22E-08	2.46E-02	7.76E-06	2.26E-06	2.78E-04	8.79E-08	2.56E-08	2.57E-02	8.13E-06	2.36E-06	1.33E-04	4.19E-08	1.22E-08
355 489388.17, 3859821.48	2.39E-02	7.54E-06	2.19E-06	2.43E-04	7.67E-08	2.23E-08	2.39E-02	7.56E-06	2.20E-06	2.79E-04	8.81E-08	2.56E-08	2.51E-02	7.91E-06	2.30E-06	1.33E-04	4.19E-08	1.22E-08
356 489438.17, 3859821.48	2.32E-02	7.32E-06	2.13E-06	2.44E-04	7.70E-08	2.24E-08	2.32E-02	7.34E-06	2.13E-06	2.80E-04	8.85E-08	2.57E-08	2.43E-02	7.68E-06	2.23E-06	1.33E-04	4.20E-08	1.22E-08
357 489488.17, 3859821.48	2.25E-02	7.12E-06	2.07E-06	2.45E-04	7.73E-08	2.25E-08	2.26E-02	7.13E-06	2.07E-06	2.82E-04	8.90E-08	2.59E-08	2.36E-02	7.46E-06	2.17E-06	1.33E-04	4.21E-08	1.22E-08
358 489538.17, 3859821.48	2.19E-02	6.91E-06	2.01E-06	2.46E-04	7.77E-08	2.26E-08	2.19E-02	6.93E-06	2.01E-06	2.83E-04	8.94E-08	2.60E-08	2.30E-02	7.25E-06	2.11E-06	1.34E-04	4.22E-08	1.23E-08
359 489588.17, 3859821.48	2.14E-02	6.75E-06	1.96E-06	2.47E-04	7.79E-08	2.27E-08	2.14E-02	6.76E-06	1.97E-06	2.84E-04	8.97E-08	2.61E-08	2.24E-02	7.07E-06	2.06E-06	1.34E-04	4.22E-08	1.23E-08
360 489238.17, 3859871.48	2.64E-02	8.32E-06	2.42E-06	2.35E-04	7.43E-08	2.16E-08	2.64E-02	8.33E-06	2.42E-06	2.70E-04	8.52E-08	2.48E-08	2.77E-02	8.73E-06	2.54E-06	1.30E-04	4.10E-08	1.19E-08
361 489288.17, 3859871.48	2.56E-02	8.07E-06	2.35E-06	2.35E-04	7.43E-08	2.16E-08	2.56E-02	8.09E-06	2.35E-06	2.70E-04	8.53E-08	2.48E-08	2.68E-02	8.47E-06	2.46E-06	1.29E-04	4.09E-08	1.19E-08
362 489338.17, 3859871.48	2.47E-02	7.80E-06	2.27E-06	2.36E-04	7.44E-08	2.16E-08	2.48E-02	7.82E-06	2.27E-06	2.71E-04	8.54E-08	2.49E-08	2.59E-02	8.19E-06	2.38E-06	1.29E-04	4.08E-08	1.19E-08
363 489388.17, 3859871.48	2.40E-02	7.57E-06	2.20E-06	2.36E-04	7.46E-08	2.17E-08	2.40E-02	7.58E-06	2.20E-06	2.72E-04	8.58E-08	2.49E-08	2.51E-02	7.94E-06	2.31E-06	1.29E-04	4.08E-08	1.19E-08
364 489438.17, 3859871.48	2.32E-02	7.31E-06	2.13E-06	2.38E-04	7.50E-08	2.18E-08	2.32E-02	7.33E-06	2.13E-06	2.73E-04	8.63E-08	2.51E-08	2.43E-02	7.67E-06	2.23E-06	1.30E-04	4.09E-08	1.19E-08
365 489488.17, 3859871.48	2.23E-02	7.05E-06	2.05E-06	2.39E-04	7.55E-08	2.20E-08	2.24E-02	7.07E-06	2.06E-06	2.75E-04	8.69E-08	2.53E-08	2.34E-02	7.39E-06	2.15E-06	1.30E-04	4.11E-08	1.19E-08
366 489538.17, 3859871.48	2.18E-02	6.89E-06	2.00E-06	2.40E-04	7.57E-08	2.20E-08	2.19E-02	6.90E-06	2.01E-06	2.76E-04	8.71E-08	2.53E-08	2.29E-02	7.22E-06	2.10E-06	1.30E-04	4.11E-08	1.19E-08
367 489588.17, 3859871.48	2.13E-02	6.71E-06	1.95E-06	2.41E-04	7.60E-08	2.21E-08	2.13E-02	6.72E-06	1.96E-06	2.77E-04	8.74E-08	2.54E-08	2.23E-02	7.03E-06	2.05E-06	1.30E-04	4.11E-08	1.20E-08
368 489238.17, 3859921.48	2.69E-02	8.48E-06	2.47E-06	2.29E-04	7.24E-08	2.11E-08	2.69E-02	8.50E-06	2.47E-06	2.63E-04	8.31E-08	2.42E-08	2.82E-02	8.91E-06	2.59E-06	1.26E-04	3.99E-08	1.16E-08
369 489288.17, 3859921.48	2.58E-02	8.14E-06	2.37E-06	2.30E-04	7.25E-08	2.11E-08	2.58E-02	8.15E-06	2.37E-06	2.64E-04	8.33E-08	2.42E-08	2.71E-02	8.54E-06	2.49E-06	1.26E-04	3.98E-08	1.16E-08
370 489338.17, 3859921.48	2.50E-02	7.88E-06	2.29E-06	2.30E-04	7.26E-08	2.11E-08	2.50E-02	7.89E-06	2.30E-06	2.64E-04	8.34E-08	2.43E-08	2.62E-02	8.27E-06	2.40E-06	1.26E-04	3.98E-08	1.16E-08
371 489388.17, 3859921.48	2.41E-02	7.60E-06	2.21E-06	2.31E-04	7.28E-08	2.12E-08	2.41E-02	7.61E-06	2.21E-06	2.65E-04	8.37E-08	2.43E-08	2.53E-02	7.97E-06	2.32E-06	1.26E-04	3.98E-08	1.16E-08
372 489438.17, 3859921.48	2.31E-02	7.30E-06	2.12E-06	2.32E-04	7.33E-08	2.13E-08	2.32E-02	7.31E-06	2.13E-06	2.67E-04	8.42E-08	2.45E-08	2.42E-02	7.65E-06	2.23E-06	1.26E-04	3.99E-08	1.16E-08
373 489488.17, 3859921.48	2.24E-02	7.07E-06	2.06E-06	2.33E-04	7.35E-08	2.14E-08	2.24E-02	7.08E-06	2.06E-06	2.68E-04	8.46E-08	2.46E-08	2.35E-02	7.41E-06	2.16E-06	1.27E-04	4.00E-08	1.16E-08
374 489538.17, 3859921.48	2.18E-02	6.88E-06	2.00E-06	2.34E-04	7.37E-08	2.15E-08	2.18E-02	6.89E-06	2.00E-06	2.69E-04	8.49E-08	2.47E-08	2.29E-02	7.21E-06	2.10E-06	1.27E-04	4.00E-08	1.16E-08
375 489588.17, 3859921.48	2.11E-02	6.66E-06	1.94E-06	2.35E-04	7.41E-08	2.16E-08	2.11E-02	6.67E-06	1.94E-06	2.70E-04	8.53E-08	2.48E-08	2.21E-02	6.98E-06	2.03E-06	1.27E-04	4.01E-08	1.17E-08
376 489238.17, 3859971.48	2.74E-02	8.65E-06	2.52E-06	2.24E-04	7.07E-08	2.06E-08	2.74E-02	8.66E-06	2.52E-06	2.57E-04	8.11E-08	2.36E-08	2.88E-02	9.08E-06	2.64E-06	1.23E-04	3.89E-08	1.13E-08
377 489288.17, 3859971.48	2.64E-02	8.32E-06	2.42E-06	2.24E-04	7.06E-08	2.05E-08	2.64E-02	8.33E-06	2.42E-06	2.57E-04	8.12E-08	2.36E-08	2.77E-02	8.73E-06	2.54E-06	1.23E-04	3.88E-08	1.13E-08
378 489338.17, 3859971.48	2.53E-02	8.00E-06	2.33E-06	2.24E-04	7.08E-08	2.06E-08	2.54E-02	8.01E-06	2.33E-06	2.58E-04	8.13E-08	2.37E-08	2.66E-02	8.39E-06	2.44E-06	1.23E-04	3.87E-08	1.13E-08
379 489388.17, 3859971.48	2.43E-02	7.65E-06	2.23E-06	2.25E-04	7.11E-08	2.07E-08	2.43E-02	7.67E-06	2.23E-06	2.59E-04	8.17E-08	2.38E-08	2.54E-02	8.03E-06	2.34E-06	1.23E-04	3.88E-08	1.13E-08
380 489438.17, 3859971.48	2.31E-02	7.28E-06	2.12E-06	2.27E-04	7.16E-08	2.08E-08	2.31E-02	7.29E-06	2.12E-06	2.61E-04	8.23E-08	2.39E-08	2.42E-02	7.64E-06	2.22E-06	1.23E-04	3.90E-08	1.13E-08
381 489488.17, 3859971.48	2.18E-02	6.87E-06	2.00E-06	2.29E-04	7.21E-08	2.10E-08	2.18E-02	6.88E-06	2.00E-06	2.63E-04	8.30E-08	2.41E-08	2.28E-02	7.20E-06	2.09E-06	1.24E-04	3.92E-08	1.14E-08
382 489538.17, 3859971.48	2.08E-02	6.56E-06	1.91E-06	2.30E-04	7.25E-08	2.11E-08	2.08E-02	6.57E-06	1.91E-06	2.64E-04	8.35E-08	2.43E-08	2.18E-02	6.88E-06	2.00E-06	1.24E-04	3.93E-08	1.14E-08
383 489588.17, 3859971.48	2.00E-02	6.32E-06	1.84E-06	2.31E-04	7.28E-08	2.12E-08	2.00E-02	6.33E-06	1.84E-06	2.66E-04	8.39E-08	2.44E-08	2.10E-02	6.62E-06	1.93E-06	1.25E-04	3.94E-08	1.15E-08
384 483577.7, 3854071	1.26E-03	3.97E-07	1.15E-07	3.75E-04	1.18E-07	3.44E-08	1.32E-03	4.17E-07	1.21E-07	4.34E-04	1.37E-07	3.98E-08	1.10E-03	3.46E-07	1.01E-07	1.95E-04	6.17E-08	1.79E-08
385 483627.7, 3854071	1.26E-03	3.98E-07	1.16E-07	3.90E-04	1.23E-07	3.58E-08	1.33E-03	4.19E-07	1.22E-07	4.51E-04	1.42E-07	4.14E-08	1.09E-03	3.43E-07	9.99E-08	2.03E-04	6.41E-08	1.86E-08
386 483677.7, 3854071	1.25E-03	3.96E-07	1.15E-07	4.02E-04	1.27E-07	3.69E-08	1.32E-03	4.18E-07	1.22E-07	4.66E-04	1.47E-07	4.28E-08	1.07E-03	3.39E-07	9.87E-08	2.10E-04	6.62E-08	1.93E-08
387 483727.7, 3854071	1.25E-03	3.93E-07	1.14E-07	4.12E-04	1.30E-07	3.78E-08	1.32E-03	4.16E-07	1.21E-07	4.77E-04	1.51E-07	4.38E-08	1.06E-03	3.34E-07	9.73E-08	2.15E-04	6.78E-08	1.97E-08
388 483777.7, 3854071	1.22E-03	3.86E-07	1.12E-07	4.18E-04	1.32E-07	3.83E-08	1.29E-03	4.08E-07	1.19E-07	4.83E-04	1.53E-07	4.44E-08	1.03E-03	3.26E-07	9.47E-08	2.18E-04	6.87E-08	2.00E-08
389 483577.7, 3854121	1.29E-03	4.07E-07	1.18E-07	3.77E-04	1.19E-07	3.46E-08	1.35E-03	4.27E-07	1.24E-07	4.37E-04	1.38E-07	4.01E-08	1.13E-03	3.56E-07	1.03E-07	1.97E-04	6.21E-08	1.81E-08
390 483627.7, 3854121	1.28E-03	4.05E-07	1.18E-07	3.94E-04	1.24E-07	3.62E-08	1.35E-03	4.26E-07	1.24E-07	4.56E-04	1.44E-07	4.19E-08	1.11E-03	3.50E-07	1.02E-07	2.05E-04	6.48E-08	1.89E-08
391 483677.7, 3854121	1.27E-03	4.00E-07	1.16E-07	4.09E-04	1.29E-07	3.76E-08	1.34E-03	4.22E-07	1.23E-07	4.74E-04	1.49E-07	4.35E-08	1.08E-03	3.42E-07	9.95E-08	2.13E-04	6.73E-08	1.96E-08
392 483727.7, 3854121	1.25E-03	3.94E-07	1.15E-07	4.21E-04	1.33E-07	3.87E-08	1.32E-03	4.17E-07	1.21E-07	4.88E-04	1.54E-07	4.48E-08	1.06E-03	3.34E-07	9.71E-08	2.20E-04	6.93E-08	2.02E-08

393 483777.7, 3854121	1.24E-03	3.93E-07	1.14E-07	4.34E-04	1.37E-07	3.99E-08	1.32E-03	4.16E-07	1.21E-07	5.03E-04	1.59E-07	4.61E-08	1.04E-03	3.29E-07	9.58E-08	2.26E-04	7.14E-08	2.08E-08
394 483577.7, 3854171	1.30E-03	4.10E-07	1.19E-07	3.80E-04	1.20E-07	3.49E-08	1.36E-03	4.30E-07	1.25E-07	4.40E-04	1.39E-07	4.04E-08	1.13E-03	3.58E-07	1.04E-07	1.98E-04	6.25E-08	1.82E-08
395 483627.7, 3854171	1.28E-03	4.04E-07	1.17E-07	3.97E-04	1.25E-07	3.64E-08	1.35E-03	4.25E-07	1.24E-07	4.59E-04	1.45E-07	4.22E-08	1.10E-03	3.48E-07	1.01E-07	2.07E-04	6.53E-08	1.90E-08
396 483677.7, 3854171	1.27E-03	4.01E-07	1.17E-07	4.13E-04	1.30E-07	3.79E-08	1.34E-03	4.24E-07	1.23E-07	4.79E-04	1.51E-07	4.39E-08	1.09E-03	3.43E-07	9.96E-08	2.15E-04	6.80E-08	1.98E-08
397 483727.7, 3854171	1.27E-03	4.00E-07	1.16E-07	4.30E-04	1.36E-07	3.95E-08	1.34E-03	4.24E-07	1.23E-07	4.98E-04	1.57E-07	4.57E-08	1.07E-03	3.39E-07	9.85E-08	2.24E-04	7.07E-08	2.06E-08
398 483777.7, 3854171	1.26E-03	3.98E-07	1.16E-07	4.43E-04	1.40E-07	4.07E-08	1.34E-03	4.22E-07	1.23E-07	5.13E-04	1.62E-07	4.71E-08	1.06E-03	3.33E-07	9.70E-08	2.31E-04	7.30E-08	2.12E-08
399 483827.7, 3854171	1.24E-03	3.90E-07	1.14E-07	4.50E-04	1.42E-07	4.13E-08	1.31E-03	4.15E-07	1.21E-07	5.21E-04	1.64E-07	4.78E-08	1.03E-03	3.24E-07	9.42E-08	2.35E-04	7.40E-08	2.15E-08
400 483877.7, 3854171	1.22E-03	3.86E-07	1.12E-07	4.53E-04	1.43E-07	4.15E-08	1.30E-03	4.11E-07	1.20E-07	5.24E-04	1.65E-07	4.81E-08	1.01E-03	3.19E-07	9.29E-08	2.36E-04	7.45E-08	2.17E-08
401 483727.7, 3854221	1.29E-03	4.07E-07	1.18E-07	4.33E-04	1.37E-07	3.97E-08	1.36E-03	4.30E-07	1.25E-07	5.01E-04	1.58E-07	4.60E-08	1.09E-03	3.45E-07	1.00E-07	2.26E-04	7.12E-08	2.07E-08
402 483777.7, 3854221	1.28E-03	4.05E-07	1.18E-07	4.48E-04	1.42E-07	4.12E-08	1.36E-03	4.29E-07	1.25E-07	5.19E-04	1.64E-07	4.77E-08	1.08E-03	3.40E-07	9.88E-08	2.34E-04	7.38E-08	2.15E-08
403 483827.7, 3854221	1.30E-03	4.09E-07	1.19E-07	4.64E-04	1.46E-07	4.26E-08	1.38E-03	4.34E-07	1.26E-07	5.37E-04	1.70E-07	4.93E-08	1.08E-03	3.41E-07	9.91E-08	2.42E-04	7.63E-08	2.22E-08
404 483877.7, 3854221	1.28E-03	4.03E-07	1.17E-07	4.70E-04	1.48E-07	4.31E-08	1.36E-03	4.29E-07	1.25E-07	5.44E-04	1.72E-07	4.99E-08	1.06E-03	3.33E-07	9.70E-08	2.45E-04	7.73E-08	2.25E-08
405 489150.19, 3858726.45	2.01E-02	6.33E-06	1.84E-06	4.30E-04	1.36E-07	3.94E-08	2.01E-02	6.36E-06	1.85E-06	4.96E-04	1.56E-07	4.55E-08	2.09E-02	6.60E-06	1.92E-06	2.28E-04	7.21E-08	2.10E-08
406 489200.19, 3858726.45	1.97E-02	6.21E-06	1.81E-06	4.28E-04	1.35E-07	3.93E-08	1.98E-02	6.24E-06	1.81E-06	4.94E-04	1.56E-07	4.53E-08	2.05E-02	6.47E-06	1.88E-06	2.28E-04	7.18E-08	2.09E-08
407 489150.19, 3858776.45	2.17E-02	6.85E-06	1.99E-06	4.17E-04	1.32E-07	3.83E-08	2.18E-02	6.88E-06	2.00E-06	4.81E-04	1.52E-07	4.42E-08	2.26E-02	7.15E-06	2.08E-06	2.22E-04	7.00E-08	2.04E-08
408 489200.19, 3858776.45	2.11E-02	6.67E-06	1.94E-06	4.15E-04	1.31E-07	3.81E-08	2.12E-02	6.69E-06	1.95E-06	4.79E-04	1.51E-07	4.40E-08	2.20E-02	6.96E-06	2.02E-06	2.21E-04	6.97E-08	2.03E-08
409 488919.6, 3856400.76	7.74E-03	2.44E-06	7.11E-07	2.74E-03	8.65E-07	2.52E-07	8.21E-03	2.59E-06	7.54E-07	3.18E-03	1.00E-06	2.92E-07	6.48E-03	2.05E-06	5.95E-07	1.43E-03	4.50E-07	1.31E-07
410 488919.6, 3856450.76	7.89E-03	2.49E-06	7.24E-07	2.77E-03	8.73E-07	2.54E-07	8.37E-03	2.64E-06	7.68E-07	3.20E-03	1.01E-06	2.94E-07	6.62E-03	2.09E-06	6.08E-07	1.44E-03	4.54E-07	1.32E-07
411 488969.6, 3856450.76	7.78E-03	2.45E-06	7.14E-07	2.70E-03	8.53E-07	2.48E-07	8.24E-03	2.60E-06	7.57E-07	3.13E-03	9.88E-07	2.87E-07	6.54E-03	2.06E-06	6.00E-07	1.41E-03	4.44E-07	1.29E-07
412 488919.6, 3856500.76	8.03E-03	2.54E-06	7.37E-07	2.78E-03	8.78E-07	2.55E-07	8.51E-03	2.69E-06	7.81E-07	3.22E-03	1.02E-06	2.96E-07	6.76E-03	2.13E-06	6.21E-07	1.45E-03	4.57E-07	1.33E-07
413 488969.6, 3856500.76	7.92E-03	2.50E-06	7.27E-07	2.72E-03	8.58E-07	2.49E-07	8.39E-03	2.65E-06	7.70E-07	3.15E-03	9.93E-07	2.89E-07	6.69E-03	2.11E-06	6.14E-07	1.41E-03	4.46E-07	1.30E-07
414 488919.6, 3856550.76	8.18E-03	2.58E-06	7.51E-07	2.79E-03	8.81E-07	2.56E-07	8.66E-03	2.73E-06	7.95E-07	3.23E-03	1.02E-06	2.97E-07	6.91E-03	2.18E-06	6.34E-07	1.45E-03	4.58E-07	1.33E-07
415 488969.6, 3856550.76	8.06E-03	2.54E-06	7.40E-07	2.72E-03	8.60E-07	2.50E-07	8.53E-03	2.69E-06	7.83E-07	3.16E-03	9.96E-07	2.90E-07	6.82E-03	2.15E-06	6.26E-07	1.42E-03	4.47E-07	1.30E-07
416 488819.6, 3856600.76	8.55E-03	2.70E-06	7.85E-07	2.94E-03	9.27E-07	2.70E-07	9.06E-03	2.86E-06	8.31E-07	3.40E-03	1.07E-06	3.12E-07	7.21E-03	2.28E-06	6.62E-07	1.53E-03	4.82E-07	1.40E-07
417 488869.6, 3856600.76	8.42E-03	2.66E-06	7.73E-07	2.86E-03	9.04E-07	2.63E-07	8.91E-03	2.81E-06	8.18E-07	3.32E-03	1.05E-06	3.04E-07	7.12E-03	2.25E-06	6.53E-07	1.49E-03	4.70E-07	1.37E-07
418 488919.6, 3856600.76	8.30E-03	2.62E-06	7.62E-07	2.79E-03	8.81E-07	2.56E-07	8.78E-03	2.77E-06	8.06E-07	3.23E-03	1.02E-06	2.97E-07	7.04E-03	2.22E-06	6.46E-07	1.45E-03	4.58E-07	1.33E-07
419 488819.6, 3856650.76	8.67E-03	2.74E-06	7.96E-07	2.93E-03	9.25E-07	2.69E-07	9.18E-03	2.90E-06	8.42E-07	3.40E-03	1.07E-06	3.12E-07	7.34E-03	2.32E-06	6.74E-07	1.53E-03	4.81E-07	1.40E-07
420 488869.6, 3856650.76	8.54E-03	2.69E-06	7.84E-07	2.86E-03	9.01E-07	2.62E-07	9.03E-03	2.85E-06	8.29E-07	3.31E-03	1.04E-06	3.04E-07	7.25E-03	2.29E-06	6.65E-07	1.49E-03	4.69E-07	1.36E-07
421 488819.6, 3856700.76	8.79E-03	2.77E-06	8.07E-07	2.91E-03	9.20E-07	2.68E-07	9.29E-03	2.93E-06	8.53E-07	3.37E-03	1.07E-06	3.10E-07	7.47E-03	2.36E-06	6.86E-07	1.52E-03	4.79E-07	1.39E-07
422 488869.6, 3856700.76	8.65E-03	2.73E-06	7.94E-07	2.84E-03	8.96E-07	2.61E-07	9.14E-03	2.88E-06	8.39E-07	3.29E-03	1.04E-06	3.02E-07	7.37E-03	2.33E-06	6.77E-07	1.48E-03	4.66E-07	1.36E-07
423 488819.6, 3856750.76	8.88E-03	2.80E-06	8.15E-07	2.89E-03	9.11E-07	2.65E-07	9.38E-03	2.96E-06	8.61E-07	3.34E-03	1.06E-06	3.07E-07	7.59E-03	2.40E-06	6.97E-07	1.50E-03	4.74E-07	1.38E-07
424 488869.6, 3856750.76	8.75E-03	2.76E-06	8.03E-07	2.81E-03	8.87E-07	2.58E-07	9.23E-03	2.91E-06	8.48E-07	3.25E-03	1.03E-06	2.99E-07	7.50E-03	2.37E-06	6.89E-07	1.46E-03	4.61E-07	1.34E-07
425 488819.6, 3857050.76	9.35E-03	2.95E-06	8.58E-07	2.49E-03	7.86E-07	2.29E-07	9.78E-03	3.09E-06	8.98E-07	2.88E-03	9.10E-07	2.65E-07	8.32E-03	2.63E-06	7.64E-07	1.30E-03	4.09E-07	1.19E-07
426 488869.6, 3857050.76	9.26E-03	2.92E-06	8.50E-07	2.43E-03	7.66E-07	2.23E-07	9.68E-03	3.06E-06	8.89E-07	2.81E-03	8.87E-07	2.58E-07	8.27E-03	2.61E-06	7.59E-07	1.26E-03	3.99E-07	1.16E-07
427 488919.6, 3857050.76	9.18E-03	2.90E-06	8.42E-07	2.37E-03	7.47E-07	2.17E-07	9.58E-03	3.02E-06	8.80E-07	2.74E-03	8.64E-07	2.51E-07	8.21E-03	2.59E-06	7.54E-07	1.23E-03	3.89E-07	1.13E-07
428 488819.6, 3857100.76	9.44E-03	2.98E-06	8.66E-07	2.40E-03	7.56E-07	2.20E-07	9.85E-03	3.11E-06	9.04E-07	2.77E-03	8.76E-07	2.55E-07	8.47E-03	2.67E-06	7.77E-07	1.25E-03	3.94E-07	1.15E-07
429 488869.6, 3857100.76	9.35E-03	2.95E-06	8.59E-07	2.34E-03	7.38E-07	2.15E-07	9.75E-03	3.08E-06	8.95E-07	2.71E-03	8.54E-07	2.48E-07	8.41E-03	2.66E-06	7.73E-07	1.22E-03	3.84E-07	1.12E-07
430 488919.6, 3857100.76	9.28E-03	2.93E-06	8.52E-07	2.28E-03	7.20E-07	2.09E-07	9.68E-03	3.05E-06	8.88E-07	2.64E-03	8.33E-07	2.42E-07	8.38E-03	2.64E-06	7.69E-07	1.19E-03	3.75E-07	1.09E-07
431 488819.6, 3857150.76	9.54E-03	3.01E-06	8.76E-07	2.30E-03	7.26E-07	2.11E-07	9.93E-03	3.14E-06	9.12E-07	2.66E-03	8.40E-07	2.44E-07	8.63E-03	2.72E-06	7.93E-07	1.20E-03	3.78E-07	1.10E-07
432 488869.6, 3857150.76	9.47E-03	2.99E-06	8.70E-07	2.24E-03	7.08E-07	2.06E-07	9.86E-03	3.11E-06	9.05E-07	2.60E-03	8.20E-07	2.38E-07	8.59E-03	2.71E-06	7.89E-07	1.17E-03	3.69E-07	1.07E-07
433 488919.6, 3857150.76	9.40E-03	2.97E-06	8.63E-07	2.19E-03	6.92E-07	2.01E-07	9.78E-03	3.09E-06	8.98E-07	2.54E-03	8.01E-07	2.33E-07	8.55E-03	2.70E-06	7.85E-07	1.14E-03	3.61E-07	1.05E-07
434 488969.6, 3857150.76	9.34E-03	2.95E-06	8.57E-07	2.14E-03	6.76E-07	1.97E-07	9.71E-03	3.06E-06	8.91E-07	2.48E-03	7.83E-07	2.28E-07	8.51E-03	2.69E-06	7.81E-07	1.12E-03	3.53E-07	1.03E-07
435 488819.6, 3857200.76	9.67E-03	3.05E-06	8.87E-07	2.20E-03	6.94E-07	2.02E-07	1.00E-02	3.17E-06	9.22E-07	2.55E-03	8.03E-07	2.34E-07	8.82E-03	2.79E-06	8.10E-07	1.15E-03	3.62E-07	1.05E-07
436 488869.6, 3857200.76	9.61E-03	3.03E-06	8.83E-07	2.15E-03	6.78E-07	1.97E-07	9.98E-03	3.15E-06	9.16E-07	2.49E-03	7.85E-07	2.28E-07	8.80E-03	2.78E-06	8.08E-07	1.12E-03	3.54E-07	1.03E-07
437 488919.6, 3857200.76	9.56E-03	3.02E-06	8.77E-07	2.10E-03	6.63E-07	1.93E-07	9.92E-03	3.13E-06	9.10E-07	2.43E-03	7.68E-07	2.23E-07	8.76E-03	2.77E-06	8.05E-07	1.10E-03	3.46E-07	1.01E-07
438 488969.6, 3857200.76	9.49E-03	3.00E-06	8.72E-07	2.06E-03	6.49E-07	1.89E-07	9.85E-03	3.11E-06	9.04E-07	2.38E-03	7.51E-07	2.18E-07	8.72E-03	2.75E-06	8.01E-07	1.07E-03	3.39E-07	9.86E-08
439 488819.6, 3857250.76	9.82E-03	3.10E-06	9.01E-07	2.10E-03	6.62E-07	1.93E-07	1.02E-02	3.21E-06	9.35E-07	2.43E-03	7.67E-07	2.23E-07	9.04E-03	2.85E-06	8.30E-07	1.10E-03	3.46E-07	1.01E-07
440 488869.6, 3857250.76	9.78E-03	3.09E-06	8.98E-07	2.05E-03	6.48E-07	1.89E-07	1.01E-02	3.20E-06	9.30E-07	2.38E-03	7.50E-07	2.18E-07	9.02E-03	2.85E-06	8.28E-07	1.07E-03	3.39E-07	9.85E-08
441 488919.6, 3857250.76	9.73E-03	3.07E-06	8.94E-07	2.01E-03	6.35E-07	1.85E-07	1.01E-02	3.18E-06	9.25E-07	2.33E-03	7.34E-07	2.14E-07	9.00E-03	2.84E-06	8.26E-07	1.05E-03	3.32E-07	9.65E-08
442 488969.6, 3857250.76	9.69E-03	3.06E-06	8.90E-07	1.97E-03	6.22E-07	1.81E-07	1.00E-02	3.16E-06	9.21E-07	2.28E-03	7.19E-07	2.09E-07	8.98E-03	2.83E-06	8.24E-07	1.03E-03	3.25E-07	9.45E-08
443 488819.6, 3857300.76	1.00E-02	3.16E-06	9.20E-07	2.00E-03	6.30E-07	1.83E-07	1.04E-02	3.27E-06	9.52E-07	2.31E-03	7.30E-07	2.12E-07	9.31E-03	2.94E-06	8.55E-07	1.04E-03	3.30E-07	9.59E-08
444 488869.6, 3857300.76	9.99E-03	3.15E-06	9.17E-07	1.96E-03	6.18E-07	1.80E-07	1.03E-02	3.26E-06	9.48E-07	2.27E-03	7.15E-07	2.08E-07	9.30E-03	2.94E-06	8.54E-07	1.02E-03	3.23E-07	9.40E-08
445 488919.6, 3857300.76	9.97E-03	3.15E-06	9.15E-07	1.92E-03	6.06E-07	1.76E-07	1.03E-02	3.25E-06	9.45E-07	2.22E-03	7.01E-07	2.04E-07	9.30E-03	2.93E-06	8.53E-07	1.00E-03	3.17E-07	9.22E-08
446 488819.6, 3857450.76	1.11E-02	3.49E-06	1.01E-06	1.70E-03	5.38E-07	1.56E-07	1.13E-02	3.58E-06	1.04E-06	1.97E-03	6.22E-07	1.81E-07	1.05E-02	3.33E-06	9.68E-07	8.98E-04	2.83E-07	8.24E-08
447 488869.6, 3857450.76	1.11E-02	3.50E-06	1.02E-06	1.68E-03	5.30E-07	1.54E-07	1.14E-02	3.59E-06	1.04E-06	1.94E-03	6.13E-07	1.78E-07	1.06E-02	3.34E-06	9.71E-07	8.86E-04	2.79E-07	8.13E-08
448 488919.6, 3857450.76	1.11E-02	3.50E-06	1.02E-06	1.65E-03	5.22E-07	1.52E-07	1.14E-02	3.59E-06	1.04E-06	1.91E-03	6.03E-07	1.75E-07	1.06E-02	3.35E-06	9.74E-07	8.72E-04	2.75E-07	8.01E-08
449 488819.6, 3857500.76	1.16E-02	3.67E-06	1.07E-06	1.61E-03	5.10E-07	1.48E-07	1.19E-02	3.75E-06	1.09E-06	1.87E-03	5.89E-07	1.71E-07	1.12E-02	3.53E-06	1.03E-06	8.54E-04	2.70E-07	7.84E-08
450 488869.6, 3857500.76	1.17E-02	3.68E-06	1.07E-06	1.59E-03	5.03E-07	1.46E-07	1.19E-02	3.77E-06	1.10E-06	1.84E-03	5.81E-07	1.69E-07	1.12E-02	3.54E-06	1.03E-06	8.43E-04	2.66E-07	7.74E-08
451 488919.6, 3857500.76	1.17E-02	3.69E-06	1.07E-06	1.57E-03	4.96E-07	1.44E-07	1.19E-02	3.77E-06	1.10E-06	1.81E-03	5.72E-07	1.66E-07	1.12E-02	3.55E-06	1.03E-06	8.32E-04	2.63E-07	7.64E-08
452 488819.6, 3857550.76	1.24E-02	3.90E-06	1.13E-06	1.53E-03	4.83E-07	1.40E-07	1.26E-02	3.98E-06	1.16E-06	1.77E-03	5.57E-07	1.62E-07	1.20E-02	3.78E-06	1.10E-06	8.14E-04	2.57E-07	7.47E-08
453 488869.6, 3857550.76	1.24E-02	3.91E-06	1.14E-06	1.51E-03	4.77E-07	1.39E-07	1.26E-02	3.99E-06	1.16E-06	1.74E-03	5.50E-07	1.60E-07	1.20E-02	3.79E-06	1.10E-06	8.05E-04	2.54E-07	7.39E-08
454 488919.6, 3857550.76	1.24E-02	3.91E-06	1.14E-06	1.49E-03	4.71E-07	1.37E-07	1.26E-02	3.98E-06	1.16E-06	1.72E-03	5.43E-07	1.58E-07	1.20E-02	3.79E-06	1.10E-06	7.95E-04	2.51E-07	7.30E-08
455 489663.71, 3860900.05	9.23E-03	2.91E-06	8.48E-07	1.41E-04	4.44E-08	1.29E-08	9.26E-03	2.92E-06	8.50E-07	1.62E-04	5.13E-08	1.49E-08	9.66E-03	3.05E-06	8.87E-07	7.41E-05	2.34E-08	6.80E-09
456 489813.71, 3860900.05	9.00E-03	2.84E-06	8.27E-07	1.41E-04	4.46E-08	1.30E-08	9.03E-03	2.85E-06	8.29E-07	1.63E-04	5.16E-08	1.50E-08	9.42E-03	2.97E-06	8.64E-07	7.45E-05	2.35E-08	6.84E-09
457 489863.71, 3860900.05	8.91E-03	2.81E-06	8.18E-07	1.41E-04	4.46E-08	1.30E-08	8.93E-03	2.82E-06	8.20E-07	1.63E-04	5.16E-08	1.50E-08	9.31E-03	2.94E-06	8.55E-07	7.46E-05	2.35E-08	6.84E-09
458 489913.71, 3860900.05	8.84E-03	2.79E-06	8.11E-07	1.42E-04	4.47E-08	1.30E-08	8.86E-03	2.80E-06	8.14E-07	1.64E-04	5.17E-08	1.50E-08	9.24E-03	2.92E-06	8.48E-07	7.48E-05	2.36E-08	6.86E-09

459	489963.71, 3860900.05	8.74E-03	2.76E-06	8.02E-07	1.42E-04	4.47E-08	1.30E-08	8.76E-03	2.76E-06	8.04E-07	1.64E-04	5.17E-08	1.50E-08	9.13E-03	2.88E-06	8.38E-07	7.48E-05	2.36E-08	6.86E-09
460	490013.71, 3860900.05	8.66E-03	2.73E-06	7.95E-07	1.42E-04	4.49E-08	1.30E-08	8.69E-03	2.74E-06	7.98E-07	1.64E-04	5.18E-08	1.51E-08	9.06E-03	2.86E-06	8.31E-07	7.50E-05	2.37E-08	6.88E-09
461	490063.71, 3860900.05	8.57E-03	2.71E-06	7.87E-07	1.42E-04	4.49E-08	1.31E-08	8.60E-03	2.71E-06	7.89E-07	1.65E-04	5.19E-08	1.51E-08	8.96E-03	2.83E-06	8.22E-07	7.51E-05	2.37E-08	6.89E-09
462	489663.71, 3860950.05	8.41E-03	2.65E-06	7.72E-07	1.38E-04	4.35E-08	1.26E-08	8.43E-03	2.66E-06	7.74E-07	1.59E-04	5.03E-08	1.46E-08	8.79E-03	2.77E-06	8.07E-07	7.26E-05	2.29E-08	6.66E-09
463	489813.71, 3860950.05	8.25E-03	2.60E-06	7.58E-07	1.39E-04	4.38E-08	1.27E-08	8.28E-03	2.61E-06	7.60E-07	1.60E-04	5.06E-08	1.47E-08	8.62E-03	2.72E-06	7.92E-07	7.30E-05	2.31E-08	6.71E-09
464	489863.71, 3860950.05	8.18E-03	2.58E-06	7.51E-07	1.39E-04	4.37E-08	1.27E-08	8.20E-03	2.59E-06	7.53E-07	1.60E-04	5.06E-08	1.47E-08	8.54E-03	2.70E-06	7.84E-07	7.30E-05	2.31E-08	6.70E-09
465	489913.71, 3860950.05	8.13E-03	2.57E-06	7.46E-07	1.39E-04	4.38E-08	1.28E-08	8.15E-03	2.57E-06	7.48E-07	1.61E-04	5.07E-08	1.47E-08	8.49E-03	2.68E-06	7.80E-07	7.32E-05	2.31E-08	6.72E-09
466	489963.71, 3860950.05	8.06E-03	2.54E-06	7.40E-07	1.39E-04	4.39E-08	1.28E-08	8.08E-03	2.55E-06	7.42E-07	1.61E-04	5.07E-08	1.48E-08	8.42E-03	2.66E-06	7.73E-07	7.33E-05	2.31E-08	6.72E-09
467	490013.71, 3860950.05	8.00E-03	2.52E-06	7.34E-07	1.39E-04	4.39E-08	1.28E-08	8.02E-03	2.53E-06	7.37E-07	1.61E-04	5.08E-08	1.48E-08	8.36E-03	2.64E-06	7.67E-07	7.34E-05	2.32E-08	6.73E-09
468	490063.71, 3860950.05	7.94E-03	2.51E-06	7.29E-07	1.39E-04	4.40E-08	1.28E-08	7.96E-03	2.51E-06	7.31E-07	1.61E-04	5.09E-08	1.48E-08	8.29E-03	2.62E-06	7.61E-07	7.35E-05	2.32E-08	6.75E-09
469	489513.71, 3861000.05	7.81E-03	2.47E-06	7.17E-07	1.34E-04	4.24E-08	1.23E-08	7.83E-03	2.47E-06	7.19E-07	1.55E-04	4.90E-08	1.43E-08	8.16E-03	2.58E-06	7.49E-07	7.07E-05	2.23E-08	6.49E-09
470	489563.71, 3861000.05	7.78E-03	2.45E-06	7.14E-07	1.35E-04	4.25E-08	1.23E-08	7.80E-03	2.46E-06	7.16E-07	1.56E-04	4.91E-08	1.43E-08	8.12E-03	2.56E-06	7.46E-07	7.08E-05	2.23E-08	6.50E-09
471	489613.71, 3861000.05	7.75E-03	2.45E-06	7.11E-07	1.35E-04	4.26E-08	1.24E-08	7.77E-03	2.45E-06	7.13E-07	1.56E-04	4.92E-08	1.43E-08	8.09E-03	2.55E-06	7.43E-07	7.10E-05	2.24E-08	6.52E-09
472	489663.71, 3861000.05	7.71E-03	2.43E-06	7.08E-07	1.35E-04	4.27E-08	1.24E-08	7.73E-03	2.44E-06	7.10E-07	1.56E-04	4.93E-08	1.43E-08	8.05E-03	2.54E-06	7.39E-07	7.11E-05	2.25E-08	6.53E-09
473	489713.71, 3861000.05	7.66E-03	2.42E-06	7.04E-07	1.35E-04	4.27E-08	1.24E-08	7.69E-03	2.43E-06	7.06E-07	1.56E-04	4.94E-08	1.44E-08	8.00E-03	2.53E-06	7.35E-07	7.12E-05	2.25E-08	6.54E-09
474	489763.71, 3861000.05	7.62E-03	2.41E-06	7.00E-07	1.36E-04	4.28E-08	1.24E-08	7.64E-03	2.41E-06	7.02E-07	1.57E-04	4.95E-08	1.44E-08	7.96E-03	2.51E-06	7.31E-07	7.14E-05	2.25E-08	6.55E-09
475	489813.71, 3861000.05	7.60E-03	2.40E-06	6.97E-07	1.36E-04	4.29E-08	1.25E-08	7.62E-03	2.41E-06	7.00E-07	1.57E-04	4.96E-08	1.44E-08	7.93E-03	2.50E-06	7.28E-07	7.16E-05	2.26E-08	6.57E-09
476	489863.71, 3861000.05	7.54E-03	2.38E-06	6.92E-07	1.36E-04	4.29E-08	1.25E-08	7.56E-03	2.39E-06	6.94E-07	1.57E-04	4.96E-08	1.44E-08	7.87E-03	2.48E-06	7.23E-07	7.16E-05	2.26E-08	6.58E-09
477	489913.71, 3861000.05	7.51E-03	2.37E-06	6.89E-07	1.36E-04	4.30E-08	1.25E-08	7.53E-03	2.38E-06	6.91E-07	1.58E-04	4.97E-08	1.45E-08	7.84E-03	2.47E-06	7.19E-07	7.18E-05	2.27E-08	6.59E-09
478	489963.71, 3861000.05	7.45E-03	2.35E-06	6.84E-07	1.36E-04	4.30E-08	1.25E-08	7.47E-03	2.36E-06	6.86E-07	1.58E-04	4.97E-08	1.45E-08	7.78E-03	2.45E-06	7.14E-07	7.18E-05	2.27E-08	6.59E-09
479	490013.71, 3861000.05	7.41E-03	2.34E-06	6.80E-07	1.36E-04	4.31E-08	1.25E-08	7.43E-03	2.35E-06	6.82E-07	1.58E-04	4.98E-08	1.45E-08	7.73E-03	2.44E-06	7.10E-07	7.19E-05	2.27E-08	6.60E-09
480	490063.71, 3861000.05	7.36E-03	2.32E-06	6.76E-07	1.37E-04	4.31E-08	1.25E-08	7.39E-03	2.33E-06	6.78E-07	1.58E-04	4.98E-08	1.45E-08	7.68E-03	2.43E-06	7.05E-07	7.20E-05	2.27E-08	6.61E-09
481	489513.71, 3861050.05	7.18E-03	2.27E-06	6.59E-07	1.32E-04	4.17E-08	1.21E-08	7.20E-03	2.27E-06	6.61E-07	1.53E-04	4.82E-08	1.40E-08	7.50E-03	2.37E-06	6.88E-07	6.94E-05	2.19E-08	6.37E-09
482	489563.71, 3861050.05	7.15E-03	2.26E-06	6.57E-07	1.32E-04	4.17E-08	1.21E-08	7.18E-03	2.26E-06	6.59E-07	1.53E-04	4.82E-08	1.40E-08	7.47E-03	2.36E-06	6.86E-07	6.95E-05	2.19E-08	6.38E-09
483	489613.71, 3861050.05	7.15E-03	2.26E-06	6.56E-07	1.33E-04	4.18E-08	1.22E-08	7.17E-03	2.26E-06	6.58E-07	1.53E-04	4.84E-08	1.41E-08	7.46E-03	2.35E-06	6.85E-07	6.97E-05	2.20E-08	6.40E-09
484	489663.71, 3861050.05	7.10E-03	2.24E-06	6.52E-07	1.33E-04	4.18E-08	1.22E-08	7.13E-03	2.25E-06	6.54E-07	1.53E-04	4.84E-08	1.41E-08	7.42E-03	2.34E-06	6.81E-07	6.97E-05	2.20E-08	6.40E-09
485	489713.71, 3861050.05	7.07E-03	2.23E-06	6.49E-07	1.33E-04	4.19E-08	1.22E-08	7.09E-03	2.24E-06	6.51E-07	1.53E-04	4.84E-08	1.41E-08	7.38E-03	2.33E-06	6.77E-07	6.98E-05	2.20E-08	6.41E-09
486	489763.71, 3861050.05	7.04E-03	2.22E-06	6.46E-07	1.33E-04	4.20E-08	1.22E-08	7.06E-03	2.23E-06	6.48E-07	1.54E-04	4.85E-08	1.41E-08	7.35E-03	2.32E-06	6.74E-07	7.00E-05	2.21E-08	6.42E-09
487	489813.71, 3861050.05	7.01E-03	2.21E-06	6.44E-07	1.33E-04	4.21E-08	1.22E-08	7.04E-03	2.22E-06	6.46E-07	1.54E-04	4.86E-08	1.41E-08	7.32E-03	2.31E-06	6.72E-07	7.02E-05	2.21E-08	6.44E-09
488	489863.71, 3861050.05	6.98E-03	2.20E-06	6.40E-07	1.33E-04	4.21E-08	1.23E-08	7.00E-03	2.21E-06	6.43E-07	1.54E-04	4.87E-08	1.42E-08	7.28E-03	2.30E-06	6.68E-07	7.02E-05	2.22E-08	6.45E-09
489	489913.71, 3861050.05	6.94E-03	2.19E-06	6.37E-07	1.34E-04	4.22E-08	1.23E-08	6.97E-03	2.20E-06	6.39E-07	1.54E-04	4.88E-08	1.42E-08	7.24E-03	2.29E-06	6.65E-07	7.03E-05	2.22E-08	6.46E-09
490	489963.71, 3861050.05	6.91E-03	2.18E-06	6.34E-07	1.34E-04	4.22E-08	1.23E-08	6.93E-03	2.19E-06	6.36E-07	1.55E-04	4.88E-08	1.42E-08	7.21E-03	2.27E-06	6.62E-07	7.04E-05	2.22E-08	6.46E-09
491	490013.71, 3861050.05	6.88E-03	2.17E-06	6.32E-07	1.34E-04	4.23E-08	1.23E-08	6.91E-03	2.18E-06	6.34E-07	1.55E-04	4.89E-08	1.42E-08	7.18E-03	2.27E-06	6.59E-07	7.06E-05	2.23E-08	6.48E-09
492	490063.71, 3861050.05	6.85E-03	2.16E-06	6.29E-07	1.34E-04	4.23E-08	1.23E-08	6.87E-03	2.17E-06	6.31E-07	1.55E-04	4.89E-08	1.42E-08	7.14E-03	2.25E-06	6.56E-07	7.06E-05	2.23E-08	6.48E-09
493	489513.71, 3861100.05	6.65E-03	2.10E-06	6.10E-07	1.30E-04	4.10E-08	1.19E-08	6.67E-03	2.11E-06	6.12E-07	1.50E-04	4.74E-08	1.38E-08	6.94E-03	2.19E-06	6.37E-07	6.83E-05	2.15E-08	6.27E-09
494	489563.71, 3861100.05	6.61E-03	2.09E-06	6.07E-07	1.30E-04	4.09E-08	1.19E-08	6.63E-03	2.09E-06	6.09E-07	1.50E-04	4.73E-08	1.38E-08	6.90E-03	2.18E-06	6.33E-07	6.82E-05	2.15E-08	6.26E-09
495	489613.71, 3861100.05	6.57E-03	2.07E-06	6.03E-07	1.29E-04	4.09E-08	1.19E-08	6.59E-03	2.08E-06	6.05E-07	1.50E-04	4.73E-08	1.37E-08	6.85E-03	2.16E-06	6.29E-07	6.81E-05	2.15E-08	6.25E-09
496	489663.71, 3861100.05	6.55E-03	2.07E-06	6.02E-07	1.30E-04	4.10E-08	1.19E-08	6.58E-03	2.08E-06	6.04E-07	1.50E-04	4.74E-08	1.38E-08	6.84E-03	2.16E-06	6.28E-07	6.82E-05	2.15E-08	6.26E-09
497	489713.71, 3861100.05	6.54E-03	2.06E-06	6.00E-07	1.30E-04	4.10E-08	1.19E-08	6.56E-03	2.07E-06	6.02E-07	1.50E-04	4.75E-08	1.38E-08	6.82E-03	2.15E-06	6.26E-07	6.84E-05	2.16E-08	6.28E-09
498	489763.71, 3861100.05	6.52E-03	2.06E-06	5.98E-07	1.30E-04	4.11E-08	1.20E-08	6.54E-03	2.06E-06	6.00E-07	1.51E-04	4.76E-08	1.38E-08	6.80E-03	2.15E-06	6.24E-07	6.85E-05	2.16E-08	6.29E-09
499	489813.71, 3861100.05	6.50E-03	2.05E-06	5.97E-07	1.31E-04	4.12E-08	1.20E-08	6.52E-03	2.06E-06	5.99E-07	1.51E-04	4.77E-08	1.39E-08	6.78E-03	2.14E-06	6.22E-07	6.87E-05	2.17E-08	6.31E-09
500	489863.71, 3861100.05	6.49E-03	2.05E-06	5.96E-07	1.31E-04	4.14E-08	1.20E-08	6.51E-03	2.05E-06	5.98E-07	1.52E-04	4.78E-08	1.39E-08	6.76E-03	2.14E-06	6.21E-07	6.90E-05	2.18E-08	6.33E-09
501	489913.71, 3861100.05	6.45E-03	2.04E-06	5.92E-07	1.31E-04	4.14E-08	1.20E-08	6.47E-03	2.04E-06	5.94E-07	1.52E-04	4.78E-08	1.39E-08	6.73E-03	2.12E-06	6.18E-07	6.90E-05	2.18E-08	6.33E-09
502	489963.71, 3861100.05	6.43E-03	2.03E-06	5.90E-07	1.31E-04	4.14E-08	1.21E-08	6.45E-03	2.04E-06	5.92E-07	1.52E-04	4.79E-08	1.39E-08	6.70E-03	2.11E-06	6.15E-07	6.91E-05	2.18E-08	6.34E-09
503	490013.71, 3861100.05	6.39E-03	2.02E-06	5.87E-07	1.31E-04	4.14E-08	1.21E-08	6.42E-03	2.03E-06	5.89E-07	1.52E-04	4.79E-08	1.39E-08	6.67E-03	2.10E-06	6.12E-07	6.91E-05	2.18E-08	6.34E-09
504	490063.71, 3861100.05	6.37E-03	2.01E-06	5.85E-07	1.31E-04	4.15E-08	1.21E-08	6.39E-03	2.02E-06	5.87E-07	1.52E-04	4.80E-08	1.40E-08	6.64E-03	2.10E-06	6.10E-07	6.92E-05	2.18E-08	6.35E-09
505	489713.71, 3861150.05	6.08E-03	1.92E-06	5.58E-07	1.28E-04	4.02E-08	1.17E-08	6.10E-03	1.92E-06	5.60E-07	1.47E-04	4.65E-08	1.35E-08	6.33E-03	2.00E-06	5.82E-07	6.70E-05	2.12E-08	6.15E-09
506	489763.71, 3861150.05	6.07E-03	1.91E-06	5.57E-07	1.28E-04	4.03E-08	1.17E-08	6.09E-03	1.92E-06	5.59E-07	1.48E-04	4.66E-08	1.36E-08	6.32E-03	2.00E-06	5.80E-07	6.72E-05	2.12E-08	6.17E-09
507	489813.71, 3861150.05	6.05E-03	1.91E-06	5.56E-07	1.28E-04	4.05E-08	1.18E-08	6.08E-03	1.92E-06	5.58E-07	1.48E-04	4.68E-08	1.36E-08	6.31E-03	1.99E-06	5.79E-07	6.74E-05	2.13E-08	6.19E-09
508	489863.71, 3861150.05	6.04E-03	1.91E-06	5.54E-07	1.28E-04	4.05E-08	1.18E-08	6.06E-03	1.91E-06	5.56E-07	1.48E-04	4.69E-08	1.36E-08	6.29E-03	1.99E-06	5.77E-07	6.75E-05	2.13E-08	6.20E-09
509	489913.71, 3861150.05	6.01E-03	1.90E-06	5.52E-07	1.29E-04	4.06E-08	1.18E-08	6.04E-03	1.90E-06	5.54E-07	1.49E-04	4.69E-08	1.36E-08	6.27E-03	1.98E-06	5.75E-07	6.76E-05	2.13E-08	6.21E-09
510	489963.71, 3861150.05	5.99E-03	1.89E-06	5.50E-07	1.29E-04	4.06E-08	1.18E-08	6.01E-03	1.90E-06	5.52E-07	1.49E-04	4.70E-08	1.37E-08	6.24E-03	1.97E-06	5.73E-07	6.77E-05	2.14E-08	6.21E-09
511	490013.71, 3861150.05	5.96E-03	1.88E-06	5.48E-07	1.29E-04	4.07E-08	1.18E-08	5.99E-03	1.89E-06	5.50E-07	1.49E-04	4.70E-08	1.37E-08	6.21E-03	1.96E-06	5.71E-07	6.77E-05	2.14E-08	6.22E-09
512	490063.71, 3861150.05	5.95E-03	1.88E-06	5.46E-07	1.29E-04	4.07E-08	1.18E-08	5.97E-03	1.88E-06	5.48E-07	1.49E-04	4.71E-08	1.37E-08	6.20E-03	1.96E-06	5.69E-07	6.79E-05	2.14E-08	6.23E-09
513	489613.71, 3861200.05	5.68E-03	1.79E-06	5.21E-07	1.25E-04	3.93E-08	1.14E-08	5.70E-03	1.80E-06	5.23E-07	1.44E-04	4.54E-08	1.32E-08	5.91E-03	1.87E-06	5.43E-07	6.54E-05	2.06E-08	6.00E-09
514	489663.71, 3861200.05	5.68E-03	1.79E-06	5.21E-07	1.25E-04	3.94E-08	1.15E-08	5.70E-03	1.80E-06	5.23E-07	1.44E-04	4.55E-08	1.32E-08	5.91E-03	1.87E-06	5.43E-07	6.56E-05	2.07E-08	6.02E-09
515	489713.71, 3861200.05	5.67E-03	1.79E-06	5.21E-07	1.25E-04	3.95E-08	1.15E-08	5.69E-03	1.80E-06	5.23E-07	1.45E-04	4.57E-08	1.33E-08	5.91E-03	1.86E-06	5.42E-07	6.57E-05	2.07E-08	6.03E-09
516	489763.71, 3861200.05	5.67E-03	1.79E-06	5.20E-07	1.25E-04	3.96E-08	1.15E-08	5.69E-03	1.79E-06	5.22E-07	1.45E-04	4.58E-08	1.33E-08	5.90E-03	1.86E-06	5.42E-07	6.59E-05	2.08E-08	6.05E-09
517	489813.71, 3861200.05	5.66E-03	1.79E-06	5.19E-07	1.26E-04	3.97E-08	1.15E-08	5.68E-03	1.79E-06	5.21E-07	1.45E-04	4.59E-08	1.33E-08	5.89E-03	1.86E-06	5.41E-07	6.61E-05	2.09E-08	6.06E-09
518	489863.71, 3861200.05	5.65E-03	1.78E-06	5.19E-07	1.26E-04	3.98E-08	1.16E-08	5.67E-03	1.79E-06	5.21E-07	1.46E-04	4.60E-08	1.34E-08	5.89E-03	1.86E-06	5.40E-07	6.63E-05	2.09E-08	6.08E-09
519	489913.71, 3861200.05	5.63E-03	1.78E-06	5.17E-07	1.26E-04	3.99E-08	1.16E-08	5.65E-03	1.78E-06	5.19E-07	1.46E-04	4.61E-08	1.34E-08	5.87E-03	1.85E-06	5.39E-07	6.64E-05	2.10E-08	6.09E-09
520	489963.71, 3861200.05	5.61E-03	1.77E-06	5.15E-07	1.26E-04	3.99E-08	1.16E-08	5.63E-03	1.78E-06	5.17E-07	1.46E-04	4.61E-08	1.34E-08	5.84E-03	1.84E-06	5.36E-07	6.64E-05	2.10E-08	6.10E-09
521	490013.71, 3861200.05	5.59E-03	1.77E-06	5.14E-07	1.27E-04	3.99E-08	1.16E-08	5.62E-03	1.77E-06	5.16E-07	1.46E-04	4.62E-08	1.34E-08	5.82E-03	1.84E-06	5.35E-07	6.65E-05	2.10E-08	6.11E-09
522	490063.71, 3861200.05	5.57E-03	1.76E-06	5.12E-07	1.27E-04	4.00E-08	1.16E-08	5.60E-03	1.77E-06	5.14E-07	1.46E-04	4.62E-08	1.34E-08	5.80E-03	1.83E-06	5.33E-07	6.66E-05	2.10E-08	6.11E-09
523	489513.71, 3861250.05	5.30E-03	1.67E-06	4.87E-07	1.22E-04	3.84E-08	1.12E-08	5.32E-03	1.68E-06	4.89E-07	1.41E-04	4.44E-08	1.29E-08	5.52E-03	1.74E-06	5.07E-07	6.39E-05	2.02E-08	5.87E-09
524	489563.71, 3861250.05	5.31E-03	1.68E-06	4.88E-07	1.22E-04	3.85E-08	1.12E-08	5.33E-03	1.68E-06	4.90E-07	1.41E-04	4.45E-08	1.30E-08	5.53E-03	1.75E-06	5.08E-07	6.41E-05	2.02E-08	5.88E-09

525	489613.71, 3861250.05	5.32E-03	1.68E-06	4.88E-07	1.22E-04	3.86E-08	1.12E-08	5.34E-03	1.69E-06	4.90E-07	1.41E-04	4.46E-08	1.30E-08	5.54E-03	1.75E-06	5.08E-07	6.42E-05	2.03E-08	5.90E-09
526	489663.71, 3861250.05	5.32E-03	1.68E-06	4.88E-07	1.22E-04	3.87E-08	1.12E-08	5.34E-03	1.68E-06	4.90E-07	1.42E-04	4.47E-08	1.30E-08	5.53E-03	1.75E-06	5.08E-07	6.43E-05	2.03E-08	5.91E-09
527	489713.71, 3861250.05	5.32E-03	1.68E-06	4.88E-07	1.23E-04	3.87E-08	1.13E-08	5.34E-03	1.68E-06	4.90E-07	1.42E-04	4.48E-08	1.30E-08	5.53E-03	1.75E-06	5.08E-07	6.45E-05	2.04E-08	5.92E-09
528	489763.71, 3861250.05	5.31E-03	1.68E-06	4.88E-07	1.23E-04	3.88E-08	1.13E-08	5.33E-03	1.68E-06	4.90E-07	1.42E-04	4.49E-08	1.31E-08	5.53E-03	1.75E-06	5.08E-07	6.47E-05	2.04E-08	5.94E-09
529	489813.71, 3861250.05	5.31E-03	1.67E-06	4.87E-07	1.23E-04	3.89E-08	1.13E-08	5.33E-03	1.68E-06	4.89E-07	1.43E-04	4.50E-08	1.31E-08	5.52E-03	1.74E-06	5.07E-07	6.48E-05	2.05E-08	5.95E-09
530	489863.71, 3861250.05	5.30E-03	1.67E-06	4.86E-07	1.24E-04	3.90E-08	1.14E-08	5.32E-03	1.68E-06	4.88E-07	1.43E-04	4.51E-08	1.31E-08	5.52E-03	1.74E-06	5.06E-07	6.50E-05	2.05E-08	5.96E-09
531	489913.71, 3861250.05	5.29E-03	1.67E-06	4.86E-07	1.24E-04	3.91E-08	1.14E-08	5.31E-03	1.68E-06	4.88E-07	1.43E-04	4.52E-08	1.32E-08	5.51E-03	1.74E-06	5.06E-07	6.51E-05	2.06E-08	5.98E-09
532	489963.71, 3861250.05	5.28E-03	1.67E-06	4.85E-07	1.24E-04	3.92E-08	1.14E-08	5.30E-03	1.67E-06	4.87E-07	1.44E-04	4.53E-08	1.32E-08	5.49E-03	1.73E-06	5.04E-07	6.53E-05	2.06E-08	5.99E-09
533	490013.71, 3861250.05	5.26E-03	1.66E-06	4.83E-07	1.24E-04	3.92E-08	1.14E-08	5.28E-03	1.67E-06	4.85E-07	1.44E-04	4.54E-08	1.32E-08	5.48E-03	1.73E-06	5.03E-07	6.54E-05	2.06E-08	6.00E-09
534	490063.71, 3861250.05	5.24E-03	1.65E-06	4.81E-07	1.24E-04	3.92E-08	1.14E-08	5.26E-03	1.66E-06	4.83E-07	1.44E-04	4.54E-08	1.32E-08	5.45E-03	1.72E-06	5.01E-07	6.54E-05	2.06E-08	6.00E-09
535	489528.13, 3861308.47	4.92E-03	1.55E-06	4.52E-07	1.19E-04	3.76E-08	1.09E-08	4.94E-03	1.56E-06	4.54E-07	1.38E-04	4.35E-08	1.27E-08	5.12E-03	1.62E-06	4.70E-07	6.26E-05	1.97E-08	5.74E-09
536	489578.13, 3861308.47	4.93E-03	1.56E-06	4.53E-07	1.19E-04	3.77E-08	1.10E-08	4.95E-03	1.56E-06	4.55E-07	1.38E-04	4.36E-08	1.27E-08	5.13E-03	1.62E-06	4.71E-07	6.27E-05	1.98E-08	5.76E-09
537	489628.13, 3861308.47	4.94E-03	1.56E-06	4.53E-07	1.20E-04	3.78E-08	1.10E-08	4.96E-03	1.57E-06	4.55E-07	1.38E-04	4.37E-08	1.27E-08	5.14E-03	1.62E-06	4.72E-07	6.28E-05	1.98E-08	5.77E-09
538	489678.13, 3861308.47	4.94E-03	1.56E-06	4.54E-07	1.20E-04	3.79E-08	1.10E-08	4.97E-03	1.57E-06	4.56E-07	1.39E-04	4.38E-08	1.27E-08	5.14E-03	1.62E-06	4.72E-07	6.30E-05	1.99E-08	5.78E-09
539	489728.13, 3861308.47	4.95E-03	1.56E-06	4.54E-07	1.20E-04	3.79E-08	1.10E-08	4.97E-03	1.57E-06	4.56E-07	1.39E-04	4.39E-08	1.28E-08	5.15E-03	1.62E-06	4.72E-07	6.31E-05	1.99E-08	5.80E-09
540	489778.13, 3861308.47	4.94E-03	1.56E-06	4.54E-07	1.20E-04	3.80E-08	1.11E-08	4.96E-03	1.57E-06	4.56E-07	1.39E-04	4.40E-08	1.28E-08	5.14E-03	1.62E-06	4.72E-07	6.33E-05	2.00E-08	5.81E-09
541	489678.13, 3861358.47	4.66E-03	1.47E-06	4.28E-07	1.18E-04	3.72E-08	1.08E-08	4.68E-03	1.48E-06	4.30E-07	1.36E-04	4.30E-08	1.25E-08	4.85E-03	1.53E-06	4.45E-07	6.18E-05	1.95E-08	5.68E-09
542	489728.13, 3861358.47	4.66E-03	1.47E-06	4.28E-07	1.18E-04	3.72E-08	1.08E-08	4.68E-03	1.48E-06	4.30E-07	1.36E-04	4.31E-08	1.25E-08	4.85E-03	1.53E-06	4.45E-07	6.20E-05	1.96E-08	5.69E-09
543	489528.13, 3861408.47	4.38E-03	1.38E-06	4.02E-07	1.15E-04	3.63E-08	1.06E-08	4.40E-03	1.39E-06	4.04E-07	1.33E-04	4.20E-08	1.22E-08	4.55E-03	1.44E-06	4.18E-07	6.03E-05	1.90E-08	5.54E-09
544	489578.13, 3861408.47	4.39E-03	1.39E-06	4.03E-07	1.15E-04	3.64E-08	1.06E-08	4.41E-03	1.39E-06	4.05E-07	1.33E-04	4.21E-08	1.22E-08	4.56E-03	1.44E-06	4.19E-07	6.05E-05	1.91E-08	5.55E-09
545	489628.13, 3861408.47	4.41E-03	1.39E-06	4.04E-07	1.16E-04	3.65E-08	1.06E-08	4.43E-03	1.40E-06	4.06E-07	1.34E-04	4.22E-08	1.23E-08	4.58E-03	1.44E-06	4.20E-07	6.07E-05	1.92E-08	5.57E-09
546	489678.13, 3861408.47	4.41E-03	1.39E-06	4.05E-07	1.16E-04	3.65E-08	1.06E-08	4.43E-03	1.40E-06	4.06E-07	1.34E-04	4.22E-08	1.23E-08	4.58E-03	1.45E-06	4.20E-07	6.07E-05	1.92E-08	5.58E-09
547	489728.13, 3861408.47	4.41E-03	1.39E-06	4.05E-07	1.16E-04	3.66E-08	1.06E-08	4.43E-03	1.40E-06	4.07E-07	1.34E-04	4.23E-08	1.23E-08	4.58E-03	1.45E-06	4.21E-07	6.08E-05	1.92E-08	5.58E-09
548	489528.13, 3861458.47	4.15E-03	1.31E-06	3.81E-07	1.13E-04	3.57E-08	1.04E-08	4.17E-03	1.32E-06	3.83E-07	1.31E-04	4.13E-08	1.20E-08	4.31E-03	1.36E-06	3.96E-07	5.93E-05	1.87E-08	5.45E-09
549	489578.13, 3861458.47	4.16E-03	1.31E-06	3.82E-07	1.13E-04	3.58E-08	1.04E-08	4.18E-03	1.32E-06	3.84E-07	1.31E-04	4.14E-08	1.20E-08	4.32E-03	1.36E-06	3.97E-07	5.95E-05	1.88E-08	5.46E-09
550	489628.13, 3861458.47	4.17E-03	1.32E-06	3.83E-07	1.14E-04	3.58E-08	1.04E-08	4.19E-03	1.32E-06	3.85E-07	1.31E-04	4.14E-08	1.21E-08	4.33E-03	1.37E-06	3.98E-07	5.96E-05	1.88E-08	5.47E-09
551	489678.13, 3861458.47	4.18E-03	1.32E-06	3.83E-07	1.14E-04	3.59E-08	1.04E-08	4.20E-03	1.32E-06	3.85E-07	1.31E-04	4.15E-08	1.21E-08	4.34E-03	1.37E-06	3.98E-07	5.96E-05	1.88E-08	5.48E-09
552	489728.13, 3861458.47	4.17E-03	1.32E-06	3.83E-07	1.14E-04	3.59E-08	1.04E-08	4.19E-03	1.32E-06	3.85E-07	1.31E-04	4.15E-08	1.21E-08	4.34E-03	1.37E-06	3.98E-07	5.97E-05	1.88E-08	5.48E-09
553	489528.13, 3861508.47	3.95E-03	1.25E-06	3.62E-07	1.11E-04	3.51E-08	1.02E-08	3.96E-03	1.25E-06	3.64E-07	1.29E-04	4.06E-08	1.18E-08	4.10E-03	1.29E-06	3.76E-07	5.83E-05	1.84E-08	5.36E-09
554	489578.13, 3861508.47	3.95E-03	1.25E-06	3.63E-07	1.11E-04	3.51E-08	1.02E-08	3.97E-03	1.25E-06	3.65E-07	1.29E-04	4.07E-08	1.18E-08	4.10E-03	1.29E-06	3.77E-07	5.84E-05	1.84E-08	5.36E-09
555	489628.13, 3861508.47	3.96E-03	1.25E-06	3.63E-07	1.11E-04	3.52E-08	1.02E-08	3.98E-03	1.26E-06	3.65E-07	1.29E-04	4.07E-08	1.18E-08	4.11E-03	1.30E-06	3.77E-07	5.85E-05	1.85E-08	5.37E-09
556	489678.13, 3861508.47	3.96E-03	1.25E-06	3.64E-07	1.12E-04	3.52E-08	1.02E-08	3.98E-03	1.26E-06	3.65E-07	1.29E-04	4.07E-08	1.19E-08	4.11E-03	1.30E-06	3.78E-07	5.86E-05	1.85E-08	5.38E-09
557	489728.13, 3861508.47	3.96E-03	1.25E-06	3.64E-07	1.12E-04	3.53E-08	1.03E-08	3.98E-03	1.26E-06	3.66E-07	1.29E-04	4.08E-08	1.19E-08	4.11E-03	1.30E-06	3.78E-07	5.86E-05	1.85E-08	5.38E-09
558	489628.13, 3861558.47	3.77E-03	1.19E-06	3.46E-07	1.10E-04	3.46E-08	1.01E-08	3.79E-03	1.20E-06	3.48E-07	1.27E-04	4.01E-08	1.17E-08	3.91E-03	1.24E-06	3.59E-07	5.76E-05	1.82E-08	5.28E-09
559	489678.13, 3861558.47	3.78E-03	1.19E-06	3.47E-07	1.10E-04	3.47E-08	1.01E-08	3.80E-03	1.20E-06	3.49E-07	1.27E-04	4.01E-08	1.17E-08	3.92E-03	1.24E-06	3.60E-07	5.77E-05	1.82E-08	5.29E-09
560	489728.13, 3861558.47	3.79E-03	1.19E-06	3.48E-07	1.10E-04	3.47E-08	1.01E-08	3.80E-03	1.20E-06	3.49E-07	1.27E-04	4.02E-08	1.17E-08	3.93E-03	1.24E-06	3.61E-07	5.77E-05	1.82E-08	5.30E-09
561	489357.08, 3861015.81	7.66E-03	2.42E-06	7.03E-07	1.33E-04	4.20E-08	1.22E-08	7.68E-03	2.43E-06	7.05E-07	1.54E-04	4.85E-08	1.41E-08	8.00E-03	2.53E-06	7.35E-07	7.00E-05	2.21E-08	6.42E-09
562	489407.08, 3861015.81	7.63E-03	2.41E-06	7.00E-07	1.33E-04	4.20E-08	1.22E-08	7.65E-03	2.42E-06	7.03E-07	1.54E-04	4.85E-08	1.41E-08	7.97E-03	2.52E-06	7.32E-07	7.00E-05	2.21E-08	6.43E-09
563	489457.08, 3861015.81	7.61E-03	2.40E-06	6.99E-07	1.33E-04	4.20E-08	1.22E-08	7.63E-03	2.41E-06	7.01E-07	1.54E-04	4.86E-08	1.41E-08	7.95E-03	2.51E-06	7.30E-07	7.01E-05	2.21E-08	6.43E-09
564	489357.08, 3861065.81	7.03E-03	2.22E-06	6.45E-07	1.31E-04	4.12E-08	1.20E-08	7.05E-03	2.22E-06	6.47E-07	1.51E-04	4.77E-08	1.39E-08	7.33E-03	2.31E-06	6.73E-07	6.87E-05	2.17E-08	6.30E-09
565	489407.08, 3861065.81	7.00E-03	2.21E-06	6.43E-07	1.31E-04	4.12E-08	1.20E-08	7.02E-03	2.22E-06	6.45E-07	1.51E-04	4.76E-08	1.39E-08	7.31E-03	2.31E-06	6.71E-07	6.87E-05	2.17E-08	6.30E-09
566	489457.08, 3861065.81	6.99E-03	2.21E-06	6.42E-07	1.31E-04	4.13E-08	1.20E-08	7.01E-03	2.21E-06	6.44E-07	1.51E-04	4.77E-08	1.39E-08	7.30E-03	2.30E-06	6.70E-07	6.87E-05	2.17E-08	6.31E-09
567	489357.08, 3861115.81	6.48E-03	2.04E-06	5.94E-07	1.28E-04	4.04E-08	1.18E-08	6.50E-03	2.05E-06	5.96E-07	1.48E-04	4.68E-08	1.36E-08	6.75E-03	2.13E-06	6.20E-07	6.73E-05	2.13E-08	6.18E-09
568	489407.08, 3861115.81	6.47E-03	2.04E-06	5.94E-07	1.28E-04	4.05E-08	1.18E-08	6.50E-03	2.05E-06	5.96E-07	1.48E-04	4.68E-08	1.36E-08	6.75E-03	2.13E-06	6.20E-07	6.74E-05	2.13E-08	6.19E-09
569	489457.08, 3861115.81	6.47E-03	2.04E-06	5.94E-07	1.29E-04	4.06E-08	1.18E-08	6.49E-03	2.05E-06	5.96E-07	1.49E-04	4.69E-08	1.36E-08	6.75E-03	2.13E-06	6.20E-07	6.76E-05	2.13E-08	6.20E-09
570	489407.08, 3861165.81	6.01E-03	1.90E-06	5.52E-07	1.26E-04	3.98E-08	1.16E-08	6.04E-03	1.90E-06	5.54E-07	1.46E-04	4.60E-08	1.34E-08	6.27E-03	1.98E-06	5.76E-07	6.63E-05	2.09E-08	6.08E-09
571	489457.08, 3861165.81	6.00E-03	1.90E-06	5.51E-07	1.26E-04	3.98E-08	1.16E-08	6.03E-03	1.90E-06	5.53E-07	1.46E-04	4.60E-08	1.34E-08	6.26E-03	1.98E-06	5.75E-07	6.63E-05	2.09E-08	6.08E-09
572	489407.08, 3861215.81	5.57E-03	1.76E-06	5.11E-07	1.23E-04	3.89E-08	1.13E-08	5.59E-03	1.76E-06	5.13E-07	1.43E-04	4.50E-08	1.31E-08	5.80E-03	1.83E-06	5.33E-07	6.48E-05	2.04E-08	5.94E-09
573	489457.08, 3861215.81	5.57E-03	1.76E-06	5.11E-07	1.23E-04	3.90E-08	1.13E-08	5.59E-03	1.76E-06	5.13E-07	1.43E-04	4.50E-08	1.31E-08	5.80E-03	1.83E-06	5.33E-07	6.48E-05	2.05E-08	5.95E-09
574	489407.08, 3861265.81	5.18E-03	1.63E-06	4.75E-07	1.21E-04	3.80E-08	1.11E-08	5.20E-03	1.64E-06	4.77E-07	1.39E-04	4.40E-08	1.28E-08	5.39E-03	1.70E-06	4.95E-07	6.33E-05	2.00E-08	5.81E-09
575	489457.08, 3861265.81	5.19E-03	1.64E-06	4.76E-07	1.21E-04	3.81E-08	1.11E-08	5.21E-03	1.64E-06	4.78E-07	1.40E-04	4.41E-08	1.28E-08	5.40E-03	1.70E-06	4.96E-07	6.34E-05	2.00E-08	5.82E-09
576	489309.86, 3861110.14	6.53E-03	2.06E-06	5.99E-07	1.28E-04	4.04E-08	1.18E-08	6.55E-03	2.07E-06	6.01E-07	1.48E-04	4.68E-08	1.36E-08	6.81E-03	2.15E-06	6.25E-07	6.73E-05	2.13E-08	6.18E-09
577	489407.08, 3861315.81	4.86E-03	1.53E-06	4.46E-07	1.18E-04	3.74E-08	1.09E-08	4.88E-03	1.54E-06	4.48E-07	1.37E-04	4.32E-08	1.26E-08	5.06E-03	1.60E-06	4.64E-07	6.21E-05	1.96E-08	5.70E-09
578	489457.08, 3861315.81	4.87E-03	1.54E-06	4.47E-07	1.19E-04	3.74E-08	1.09E-08	4.89E-03	1.54E-06	4.49E-07	1.37E-04	4.33E-08	1.26E-08	5.07E-03	1.60E-06	4.65E-07	6.23E-05	1.97E-08	5.72E-09
579	488906.03, 3861006.75	7.87E-03	2.48E-06	7.22E-07	1.32E-04	4.16E-08	1.21E-08	7.89E-03	2.49E-06	7.24E-07	1.52E-04	4.81E-08	1.40E-08	8.22E-03	2.59E-06	7.55E-07	6.93E-05	2.19E-08	6.36E-09
580	488956.03, 3861006.75	7.91E-03	2.50E-06	7.26E-07	1.33E-04	4.19E-08	1.22E-08	7.93E-03	2.50E-06	7.28E-07	1.53E-04	4.84E-08	1.41E-08	8.26E-03	2.61E-06	7.59E-07	6.98E-05	2.20E-08	6.41E-09
581	488904.24, 3861051.87	7.26E-03	2.29E-06	6.67E-07	1.31E-04	4.14E-08	1.21E-08	7.29E-03	2.30E-06	6.69E-07	1.52E-04	4.79E-08	1.39E-08	7.59E-03	2.39E-06	6.96E-07	6.90E-05	2.18E-08	6.34E-09
582	488954.24, 3861051.87	7.28E-03	2.30E-06	6.68E-07	1.31E-04	4.13E-08	1.20E-08	7.30E-03	2.30E-06	6.70E-07	1.51E-04	4.78E-08	1.39E-08	7.60E-03	2.40E-06	6.98E-07	6.88E-05	2.17E-08	6.32E-09
583	489004.24, 3861051.87	7.30E-03	2.30E-06	6.70E-07	1.32E-04	4.16E-08	1.21E-08	7.32E-03	2.31E-06	6.72E-07	1.53E-04	4.81E-08	1.40E-08	7.62E-03	2.40E-06	7.00E-07	6.93E-05	2.19E-08	6.37E-09
584	488804.24, 3861101.87	6.60E-03	2.08E-06	6.06E-07	1.27E-04	4.00E-08	1.16E-08	6.62E-03	2.09E-06	6.08E-07	1.47E-04	4.63E-08	1.35E-08	6.89E-03	2.17E-06	6.32E-07	6.66E-05	2.10E-08	6.12E-09
585	488854.24, 3861101.87	6.63E-03	2.09E-06	6.08E-07	1.28E-04	4.03E-08	1.17E-08	6.65E-03	2.10E-06	6.10E-07	1.48E-04	4.66E-08	1.35E-08	6.92E-03	2.18E-06	6.35E-07	6.71E-05	2.12E-08	6.16E-09
586	488904.24, 3861101.87	6.58E-03	2.08E-06	6.04E-07	1.27E-04	4.00E-08	1.16E-08	6.60E-03	2.08E-06	6.06E-07	1.46E-04	4.62E-08	1.34E-08	6.87E-03	2.17E-06	6.30E-07	6.65E-05	2.10E-08	6.11E-09
587	488954.24, 3861101.87	6.57E-03	2.07E-06	6.03E-07	1.27E-04	4.00E-08	1.16E-08	6.59E-03	2.08E-06	6.05E-07	1.46E-04	4.62E-08	1.34E-08	6.85E-03	2.16E-06	6.29E-07	6.65E-05	2.10E-08	6.11E-09
588	489004.24, 3861101.87	6.58E-03	2.08E-06	6.04E-07	1.27E-04	4.01E-08	1.17E-08	6.60E-03	2.08E-06	6.06E-07	1.47E-04	4.64E-08	1.35E-08	6.87E-03	2.17E-06	6.31E-07	6.68E-05	2.11E-08	6.13E-09
589	488804.24, 3861151.87	5.97E-03	1.89E-06	5.48E-07	1.22E-04	3.86E-08	1.12E-08	6.00E-03	1.89E-06	5.50E-07	1.42E-04	4.47E-08	1.30E-08	6.23E-03	1.97E-06	5.72E-07	6.44E-05	2.03E-08	5.91E-09
590	488854.24, 3861151.87	5.97E-03	1.89E-06	5.48E-07	1.23E-04	3.87E-08	1.13E-08	5.99E-03	1.89E-06	5.50E-07	1.42E-04	4.48E-08	1.30E-08	6.23E-03	1.97E-06	5.72E-07	6.45E-05	2.03E-08	5.92E-09

591 489129.49, 3861187.55	5.72E-03	1.81E-06	5.25E-07	1.23E-04	3.88E-08	1.13E-08	5.74E-03	1.81E-06	5.27E-07	1.42E-04	4.49E-08	1.31E-08	5.96E-03	1.88E-06	5.47E-07	6.46E-05	2.04E-08	5.93E-09
592 489179.49, 3861187.55	5.73E-03	1.81E-06	5.26E-07	1.23E-04	3.89E-08	1.13E-08	5.75E-03	1.81E-06	5.28E-07	1.43E-04	4.50E-08	1.31E-08	5.97E-03	1.88E-06	5.48E-07	6.47E-05	2.04E-08	5.94E-09
593 488804.24, 3861201.87	5.54E-03	1.75E-06	5.09E-07	1.20E-04	3.79E-08	1.10E-08	5.56E-03	1.76E-06	5.11E-07	1.39E-04	4.38E-08	1.28E-08	5.78E-03	1.82E-06	5.30E-07	6.31E-05	1.99E-08	5.79E-09
594 488854.24, 3861201.87	5.52E-03	1.74E-06	5.07E-07	1.20E-04	3.79E-08	1.10E-08	5.54E-03	1.75E-06	5.08E-07	1.39E-04	4.38E-08	1.27E-08	5.75E-03	1.81E-06	5.28E-07	6.30E-05	1.99E-08	5.79E-09
595 489129.49, 3861237.55	5.34E-03	1.69E-06	4.91E-07	1.21E-04	3.82E-08	1.11E-08	5.37E-03	1.69E-06	4.93E-07	1.40E-04	4.41E-08	1.28E-08	5.57E-03	1.76E-06	5.11E-07	6.35E-05	2.00E-08	5.83E-09
596 489179.49, 3861237.55	5.34E-03	1.68E-06	4.90E-07	1.21E-04	3.82E-08	1.11E-08	5.36E-03	1.69E-06	4.92E-07	1.40E-04	4.41E-08	1.28E-08	5.56E-03	1.75E-06	5.10E-07	6.35E-05	2.00E-08	5.83E-09
597 488804.24, 3861251.87	5.18E-03	1.63E-06	4.75E-07	1.18E-04	3.72E-08	1.08E-08	5.20E-03	1.64E-06	4.77E-07	1.36E-04	4.31E-08	1.25E-08	5.39E-03	1.70E-06	4.95E-07	6.20E-05	1.96E-08	5.69E-09
598 488854.24, 3861251.87	5.15E-03	1.63E-06	4.73E-07	1.18E-04	3.72E-08	1.08E-08	5.17E-03	1.63E-06	4.75E-07	1.36E-04	4.30E-08	1.25E-08	5.36E-03	1.69E-06	4.92E-07	6.19E-05	1.95E-08	5.68E-09
599 488804.24, 3861301.87	4.84E-03	1.53E-06	4.44E-07	1.16E-04	3.65E-08	1.06E-08	4.86E-03	1.53E-06	4.46E-07	1.34E-04	4.22E-08	1.23E-08	5.03E-03	1.59E-06	4.62E-07	6.07E-05	1.92E-08	5.57E-09
600 488854.24, 3861301.87	4.83E-03	1.52E-06	4.43E-07	1.16E-04	3.65E-08	1.06E-08	4.85E-03	1.53E-06	4.45E-07	1.34E-04	4.22E-08	1.23E-08	5.02E-03	1.59E-06	4.61E-07	6.07E-05	1.92E-08	5.57E-09
601 490943.5, 3860181.97	1.14E-02	3.59E-06	1.04E-06	1.87E-04	5.89E-08	1.71E-08	1.14E-02	3.60E-06	1.05E-06	2.15E-04	6.80E-08	1.98E-08	1.19E-02	3.75E-06	1.09E-06	9.90E-05	3.12E-08	9.09E-09
602 490993.5, 3860181.97	1.11E-02	3.52E-06	1.02E-06	1.85E-04	5.85E-08	1.70E-08	1.12E-02	3.53E-06	1.03E-06	2.14E-04	6.76E-08	1.97E-08	1.16E-02	3.68E-06	1.07E-06	9.84E-05	3.11E-08	9.03E-09
603 491043.5, 3860181.97	1.09E-02	3.45E-06	1.00E-06	1.84E-04	5.82E-08	1.69E-08	1.10E-02	3.46E-06	1.01E-06	2.13E-04	6.72E-08	1.95E-08	1.14E-02	3.60E-06	1.05E-06	9.78E-05	3.09E-08	8.98E-09
604 491093.5, 3860181.97	1.07E-02	3.38E-06	9.82E-07	1.83E-04	5.78E-08	1.68E-08	1.07E-02	3.39E-06	9.85E-07	2.12E-04	6.68E-08	1.94E-08	1.12E-02	3.53E-06	1.03E-06	9.72E-05	3.07E-08	8.93E-09
605 490943.5, 3860231.97	1.12E-02	3.52E-06	1.02E-06	1.84E-04	5.80E-08	1.69E-08	1.12E-02	3.53E-06	1.03E-06	2.12E-04	6.70E-08	1.95E-08	1.17E-02	3.68E-06	1.07E-06	9.75E-05	3.08E-08	8.95E-09
606 490993.5, 3860231.97	1.09E-02	3.45E-06	1.00E-06	1.83E-04	5.77E-08	1.68E-08	1.10E-02	3.46E-06	1.01E-06	2.11E-04	6.66E-08	1.94E-08	1.14E-02	3.61E-06	1.05E-06	9.70E-05	3.06E-08	8.90E-09
607 491043.5, 3860231.97	1.07E-02	3.38E-06	9.83E-07	1.81E-04	5.73E-08	1.67E-08	1.07E-02	3.39E-06	9.86E-07	2.10E-04	6.61E-08	1.92E-08	1.12E-02	3.53E-06	1.03E-06	9.62E-05	3.04E-08	8.83E-09
608 491093.5, 3860231.97	1.05E-02	3.31E-06	9.63E-07	1.80E-04	5.69E-08	1.65E-08	1.05E-02	3.32E-06	9.66E-07	2.08E-04	6.57E-08	1.91E-08	1.10E-02	3.46E-06	1.01E-06	9.55E-05	3.02E-08	8.77E-09
609 490943.5, 3860281.97	1.09E-02	3.44E-06	1.00E-06	1.81E-04	5.72E-08	1.66E-08	1.09E-02	3.45E-06	1.00E-06	2.09E-04	6.60E-08	1.92E-08	1.14E-02	3.60E-06	1.05E-06	9.60E-05	3.03E-08	8.82E-09
610 490993.5, 3860281.97	1.07E-02	3.38E-06	9.82E-07	1.80E-04	5.68E-08	1.65E-08	1.07E-02	3.39E-06	9.85E-07	2.08E-04	6.56E-08	1.91E-08	1.12E-02	3.53E-06	1.03E-06	9.55E-05	3.01E-08	8.76E-09
611 491043.5, 3860281.97	1.05E-02	3.31E-06	9.62E-07	1.79E-04	5.64E-08	1.64E-08	1.05E-02	3.32E-06	9.65E-07	2.06E-04	6.52E-08	1.90E-08	1.09E-02	3.46E-06	1.01E-06	9.47E-05	2.99E-08	8.70E-09
612 491093.5, 3860281.97	1.03E-02	3.24E-06	9.43E-07	1.77E-04	5.60E-08	1.63E-08	1.03E-02	3.25E-06	9.45E-07	2.05E-04	6.47E-08	1.88E-08	1.07E-02	3.38E-06	9.85E-07	9.41E-05	2.97E-08	8.63E-09
613 490943.5, 3860331.97	1.06E-02	3.36E-06	9.77E-07	1.79E-04	5.64E-08	1.64E-08	1.07E-02	3.37E-06	9.80E-07	2.06E-04	6.51E-08	1.89E-08	1.11E-02	3.51E-06	1.02E-06	9.46E-05	2.99E-08	8.69E-09
614 490993.5, 3860331.97	1.04E-02	3.29E-06	9.57E-07	1.77E-04	5.59E-08	1.63E-08	1.05E-02	3.30E-06	9.60E-07	2.05E-04	6.46E-08	1.88E-08	1.09E-02	3.44E-06	1.00E-06	9.39E-05	2.96E-08	8.62E-09
615 491043.5, 3860331.97	1.02E-02	3.22E-06	9.38E-07	1.76E-04	5.55E-08	1.61E-08	1.02E-02	3.23E-06	9.40E-07	2.03E-04	6.41E-08	1.86E-08	1.07E-02	3.37E-06	9.79E-07	9.31E-05	2.94E-08	8.55E-09
616 491093.5, 3860331.97	1.00E-02	3.16E-06	9.19E-07	1.75E-04	5.51E-08	1.60E-08	1.00E-02	3.17E-06	9.22E-07	2.02E-04	6.36E-08	1.85E-08	1.05E-02	3.30E-06	9.60E-07	9.25E-05	2.92E-08	8.49E-09
617 490086.72, 3859935.12	1.74E-02	5.49E-06	1.60E-06	2.30E-04	7.25E-08	2.11E-08	1.74E-02	5.50E-06	1.60E-06	2.65E-04	8.36E-08	2.43E-08	1.82E-02	5.75E-06	1.67E-06	1.23E-04	3.88E-08	1.13E-08
618 490136.72, 3859935.12	1.70E-02	5.37E-06	1.56E-06	2.28E-04	7.21E-08	2.10E-08	1.71E-02	5.38E-06	1.57E-06	2.63E-04	8.31E-08	2.42E-08	1.78E-02	5.62E-06	1.64E-06	1.22E-04	3.85E-08	1.12E-08
619 490186.72, 3859935.12	1.66E-02	5.25E-06	1.53E-06	2.27E-04	7.16E-08	2.08E-08	1.67E-02	5.27E-06	1.53E-06	2.62E-04	8.25E-08	2.40E-08	1.74E-02	5.50E-06	1.60E-06	1.21E-04	3.83E-08	1.11E-08
620 490236.72, 3859935.12	1.63E-02	5.14E-06	1.50E-06	2.25E-04	7.10E-08	2.07E-08	1.63E-02	5.15E-06	1.50E-06	2.60E-04	8.19E-08	2.38E-08	1.70E-02	5.38E-06	1.56E-06	1.20E-04	3.79E-08	1.10E-08
621 490286.72, 3859935.12	1.59E-02	5.03E-06	1.46E-06	2.23E-04	7.04E-08	2.05E-08	1.60E-02	5.04E-06	1.47E-06	2.57E-04	8.12E-08	2.36E-08	1.67E-02	5.26E-06	1.53E-06	1.19E-04	3.76E-08	1.09E-08
622 490336.72, 3859935.12	1.56E-02	4.92E-06	1.43E-06	2.21E-04	6.98E-08	2.03E-08	1.56E-02	4.93E-06	1.44E-06	2.55E-04	8.05E-08	2.34E-08	1.63E-02	5.15E-06	1.50E-06	1.18E-04	3.73E-08	1.08E-08
623 490386.72, 3859935.12	1.53E-02	4.82E-06	1.40E-06	2.19E-04	6.92E-08	2.01E-08	1.53E-02	4.83E-06	1.40E-06	2.53E-04	7.98E-08	2.32E-08	1.60E-02	5.04E-06	1.47E-06	1.17E-04	3.69E-08	1.07E-08
624 490436.72, 3859935.12	1.49E-02	4.71E-06	1.37E-06	2.17E-04	6.86E-08	2.00E-08	1.50E-02	4.73E-06	1.37E-06	2.51E-04	7.92E-08	2.30E-08	1.56E-02	4.93E-06	1.43E-06	1.16E-04	3.66E-08	1.06E-08
625 490486.72, 3859935.12	1.46E-02	4.61E-06	1.34E-06	2.16E-04	6.80E-08	1.98E-08	1.47E-02	4.63E-06	1.35E-06	2.49E-04	7.85E-08	2.28E-08	1.53E-02	4.83E-06	1.40E-06	1.15E-04	3.63E-08	1.06E-08
626 490536.72, 3859935.12	1.43E-02	4.52E-06	1.31E-06	2.14E-04	6.77E-08	1.97E-08	1.43E-02	4.53E-06	1.32E-06	2.47E-04	7.81E-08	2.27E-08	1.50E-02	4.72E-06	1.37E-06	1.14E-04	3.61E-08	1.05E-08
627 490586.72, 3859935.12	1.40E-02	4.42E-06	1.28E-06	2.14E-04	6.74E-08	1.96E-08	1.40E-02	4.43E-06	1.29E-06	2.47E-04	7.78E-08	2.26E-08	1.46E-02	4.62E-06	1.34E-06	1.14E-04	3.59E-08	1.05E-08
628 490636.72, 3859935.12	1.37E-02	4.33E-06	1.26E-06	2.12E-04	6.70E-08	1.95E-08	1.37E-02	4.34E-06	1.26E-06	2.45E-04	7.74E-08	2.25E-08	1.43E-02	4.52E-06	1.32E-06	1.13E-04	3.57E-08	1.04E-08
629 490686.72, 3859935.12	1.34E-02	4.22E-06	1.23E-06	2.12E-04	6.69E-08	1.95E-08	1.34E-02	4.23E-06	1.23E-06	2.45E-04	7.72E-08	2.25E-08	1.40E-02	4.41E-06	1.28E-06	1.13E-04	3.56E-08	1.04E-08
630 490736.72, 3859935.12	1.31E-02	4.13E-06	1.20E-06	2.11E-04	6.67E-08	1.94E-08	1.31E-02	4.14E-06	1.21E-06	2.44E-04	7.70E-08	2.24E-08	1.37E-02	4.32E-06	1.26E-06	1.13E-04	3.55E-08	1.03E-08
631 490086.72, 3859985.12	1.74E-02	5.49E-06	1.60E-06	2.25E-04	7.11E-08	2.07E-08	1.74E-02	5.50E-06	1.60E-06	2.60E-04	8.20E-08	2.39E-08	1.82E-02	5.75E-06	1.67E-06	1.20E-04	3.80E-08	1.11E-08
632 490136.72, 3859985.12	1.70E-02	5.37E-06	1.56E-06	2.24E-04	7.07E-08	2.06E-08	1.70E-02	5.38E-06	1.56E-06	2.59E-04	8.16E-08	2.37E-08	1.78E-02	5.62E-06	1.63E-06	1.20E-04	3.78E-08	1.10E-08
633 490186.72, 3859985.12	1.66E-02	5.24E-06	1.53E-06	2.23E-04	7.04E-08	2.05E-08	1.67E-02	5.26E-06	1.53E-06	2.57E-04	8.12E-08	2.36E-08	1.74E-02	5.49E-06	1.60E-06	1.19E-04	3.76E-08	1.09E-08
634 490236.72, 3859985.12	1.62E-02	5.12E-06	1.49E-06	2.22E-04	7.00E-08	2.04E-08	1.63E-02	5.14E-06	1.49E-06	2.56E-04	8.07E-08	2.35E-08	1.70E-02	5.36E-06	1.56E-06	1.18E-04	3.74E-08	1.09E-08
635 490286.72, 3859985.12	1.59E-02	5.01E-06	1.46E-06	2.20E-04	6.94E-08	2.02E-08	1.59E-02	5.02E-06	1.46E-06	2.54E-04	8.01E-08	2.33E-08	1.66E-02	5.24E-06	1.53E-06	1.17E-04	3.71E-08	1.08E-08
636 490336.72, 3859985.12	1.55E-02	4.90E-06	1.43E-06	2.18E-04	6.88E-08	2.00E-08	1.56E-02	4.91E-06	1.43E-06	2.52E-04	7.94E-08	2.31E-08	1.62E-02	5.13E-06	1.49E-06	1.16E-04	3.67E-08	1.07E-08
637 490386.72, 3859985.12	1.52E-02	4.79E-06	1.39E-06	2.16E-04	6.82E-08	1.98E-08	1.52E-02	4.81E-06	1.40E-06	2.49E-04	7.87E-08	2.29E-08	1.59E-02	5.02E-06	1.46E-06	1.15E-04	3.64E-08	1.06E-08
638 490436.72, 3859985.12	1.49E-02	4.69E-06	1.36E-06	2.14E-04	6.76E-08	1.97E-08	1.49E-02	4.70E-06	1.37E-06	2.47E-04	7.80E-08	2.27E-08	1.55E-02	4.91E-06	1.43E-06	1.14E-04	3.60E-08	1.05E-08
639 490486.72, 3859985.12	1.45E-02	4.59E-06	1.33E-06	2.12E-04	6.70E-08	1.95E-08	1.46E-02	4.60E-06	1.34E-06	2.45E-04	7.73E-08	2.25E-08	1.52E-02	4.80E-06	1.40E-06	1.13E-04	3.57E-08	1.04E-08
640 490536.72, 3859985.12	1.42E-02	4.49E-06	1.31E-06	2.11E-04	6.66E-08	1.94E-08	1.43E-02	4.50E-06	1.31E-06	2.43E-04	7.68E-08	2.23E-08	1.49E-02	4.70E-06	1.37E-06	1.12E-04	3.55E-08	1.03E-08
641 490586.72, 3859985.12	1.39E-02	4.39E-06	1.28E-06	2.10E-04	6.62E-08	1.92E-08	1.40E-02	4.40E-06	1.28E-06	2.42E-04	7.64E-08	2.22E-08	1.46E-02	4.59E-06	1.34E-06	1.12E-04	3.52E-08	1.03E-08
642 490636.72, 3859985.12	1.36E-02	4.30E-06	1.25E-06	2.09E-04	6.59E-08	1.92E-08	1.37E-02	4.31E-06	1.25E-06	2.41E-04	7.60E-08	2.21E-08	1.42E-02	4.49E-06	1.31E-06	1.11E-04	3.51E-08	1.02E-08
643 490686.72, 3859985.12	1.33E-02	4.20E-06	1.22E-06	2.08E-04	6.57E-08	1.91E-08	1.33E-02	4.21E-06	1.22E-06	2.40E-04	7.59E-08	2.21E-08	1.39E-02	4.39E-06	1.28E-06	1.11E-04	3.50E-08	1.02E-08
644 490736.72, 3859985.12	1.30E-02	4.11E-06	1.20E-06	2.07E-04	6.54E-08	1.90E-08	1.31E-02	4.12E-06	1.20E-06	2.39E-04	7.54E-08	2.19E-08	1.36E-02	4.30E-06	1.25E-06	1.10E-04	3.48E-08	1.01E-08
645 490786.72, 3859985.12	1.28E-02	4.03E-06	1.17E-06	2.06E-04	6.50E-08	1.89E-08	1.28E-02	4.04E-06	1.17E-06	2.38E-04	7.51E-08	2.18E-08	1.33E-02	4.21E-06	1.22E-06	1.10E-04	3.46E-08	1.01E-08
646 490086.72, 3860035.12	1.74E-02	5.49E-06	1.60E-06	2.21E-04	6.97E-08	2.03E-08	1.74E-02	5.50E-06	1.60E-06	2.55E-04	8.03E-08	2.34E-08	1.82E-02	5.75E-06	1.67E-06	1.18E-04	3.72E-08	1.08E-08
647 490136.72, 3860035.12	1.70E-02	5.36E-06	1.56E-06	2.20E-04	6.94E-08	2.02E-08	1.70E-02	5.37E-06	1.56E-06	2.54E-04	8.01E-08	2.33E-08	1.78E-02	5.61E-06	1.63E-06	1.17E-04	3.71E-08	1.08E-08
648 490186.72, 3860035.12	1.66E-02	5.23E-06	1.52E-06	2.19E-04	6.91E-08	2.01E-08	1.66E-02	5.24E-06	1.53E-06	2.53E-04	7.97E-08	2.32E-08	1.74E-02	5.48E-06	1.59E-06	1.17E-04	3.69E-08	1.07E-08
649 490236.72, 3860035.12	1.62E-02	5.11E-06	1.49E-06	2.18E-04	6.87E-08	2.00E-08	1.62E-02	5.12E-06	1.49E-06	2.51E-04	7.93E-08	2.31E-08	1.69E-02	5.35E-06	1.56E-06	1.16E-04	3.67E-08	1.07E-08
650 490286.72, 3860035.12	1.58E-02	4.99E-06	1.45E-06	2.16E-04	6.83E-08	1.99E-08	1.59E-02	5.00E-06	1.46E-06	2.50E-04	7.87E-08	2.29E-08	1.66E-02	5.22E-06	1.52E-06	1.15E-04	3.64E-08	1.06E-08
651 490336.72, 3860035.12	1.54E-02	4.88E-06	1.42E-06	2.15E-04	6.78E-08	1.97E-08	1.55E-02	4.89E-06	1.42E-06	2.48E-04	7.83E-08	2.28E-08	1.62E-02	5.10E-06	1.48E-06	1.15E-04	3.62E-08	1.05E-08
652 490386.72, 3860035.12	1.51E-02	4.77E-06	1.39E-06	2.13E-04	6.72E-08	1.95E-08	1.51E-02	4.78E-06	1.39E-06	2.46E-04	7.75E-08	2.26E-08	1.58E-02	4.99E-06	1.45E-06	1.13E-04	3.58E-08	1.04E-08
653 490436.72, 3860035.12	1.48E-02	4.66E-06	1.36E-06	2.11E-04	6.66E-08	1.94E-08	1.48E-02	4.67E-06	1.36E-06	2.43E-04	7.68E-08	2.24E-08	1.54E-02	4.88E-06	1.42E-06	1.12E-04	3.55E-08	1.03E-08
654 490486.72, 3860035.12	1.44E-02	4.56E-06	1.33E-06	2.09E-04	6.60E-08	1.92E-08	1.45E-02	4.57E-06	1.33E-06	2.41E-04	7.62E-08	2.22E-08	1.51E-02	4.77E-06	1.39E-06	1.11E-04	3.52E-08	1.02E-08
655 490536.72, 3860035.12	1.41E-02	4.46E-06	1.30E-06	2.08E-04	6.55E-08	1.91E-08	1.42E-02	4.47E-06	1.30E-06	2.40E-04	7.56E-08	2.20E-08	1.48E-02	4.66E-06	1.36E-06	1.11E-04	3.49E-08	1.02E-08
656 490586.72, 3860035.12	1.38E-02	4.36E-06	1.27E-06	2.06E-04	6.51E-08	1.89E-08	1.38E-02	4.37E-06	1.27E-06	2.38E-04	7.51E-08	2.18E-08	1.44E-02	4.56E-06	1.33E-06	1.10E-04	3.46E-08	1.01E-08

657 490636.72, 3860035.12	1.35E-02	4.27E-06	1.24E-06	2.04E-04	6.45E-08	1.88E-08	1.35E-02	4.28E-06	1.24E-06	2.36E-04	7.45E-08	2.17E-08	1.41E-02	4.46E-06	1.30E-06	1.09E-04	3.44E-08	9.99E-09
658 490686.72, 3860035.12	1.32E-02	4.17E-06	1.21E-06	2.03E-04	6.42E-08	1.87E-08	1.33E-02	4.18E-06	1.22E-06	2.35E-04	7.41E-08	2.16E-08	1.38E-02	4.36E-06	1.27E-06	1.08E-04	3.42E-08	9.94E-09
659 490736.72, 3860035.12	1.29E-02	4.08E-06	1.19E-06	2.03E-04	6.41E-08	1.86E-08	1.30E-02	4.09E-06	1.19E-06	2.34E-04	7.40E-08	2.15E-08	1.35E-02	4.27E-06	1.24E-06	1.08E-04	3.41E-08	9.92E-09
660 490786.72, 3860035.12	1.27E-02	4.00E-06	1.16E-06	2.02E-04	6.37E-08	1.85E-08	1.27E-02	4.01E-06	1.17E-06	2.33E-04	7.36E-08	2.14E-08	1.32E-02	4.18E-06	1.22E-06	1.07E-04	3.39E-08	9.86E-09
661 490836.72, 3860035.12	1.24E-02	3.92E-06	1.14E-06	2.01E-04	6.34E-08	1.84E-08	1.24E-02	3.93E-06	1.14E-06	2.32E-04	7.32E-08	2.13E-08	1.30E-02	4.09E-06	1.19E-06	1.07E-04	3.37E-08	9.80E-09
662 490086.72, 3860085.12	1.73E-02	5.47E-06	1.59E-06	2.17E-04	6.84E-08	1.99E-08	1.74E-02	5.48E-06	1.59E-06	2.50E-04	7.89E-08	2.29E-08	1.81E-02	5.73E-06	1.67E-06	1.16E-04	3.65E-08	1.06E-08
663 490136.72, 3860085.12	1.69E-02	5.35E-06	1.56E-06	2.15E-04	6.80E-08	1.98E-08	1.70E-02	5.36E-06	1.56E-06	2.49E-04	7.84E-08	2.28E-08	1.77E-02	5.60E-06	1.63E-06	1.15E-04	3.63E-08	1.06E-08
664 490186.72, 3860085.12	1.65E-02	5.21E-06	1.52E-06	2.15E-04	6.78E-08	1.97E-08	1.66E-02	5.22E-06	1.52E-06	2.48E-04	7.83E-08	2.28E-08	1.73E-02	5.46E-06	1.59E-06	1.15E-04	3.62E-08	1.05E-08
665 490236.72, 3860085.12	1.61E-02	5.09E-06	1.48E-06	2.14E-04	6.75E-08	1.96E-08	1.61E-02	5.10E-06	1.48E-06	2.47E-04	7.79E-08	2.27E-08	1.69E-02	5.32E-06	1.55E-06	1.14E-04	3.60E-08	1.05E-08
666 490286.72, 3860085.12	1.57E-02	4.96E-06	1.44E-06	2.13E-04	6.71E-08	1.95E-08	1.58E-02	4.97E-06	1.45E-06	2.45E-04	7.75E-08	2.25E-08	1.65E-02	5.20E-06	1.51E-06	1.13E-04	3.58E-08	1.04E-08
667 490336.72, 3860085.12	1.54E-02	4.85E-06	1.41E-06	2.11E-04	6.67E-08	1.94E-08	1.54E-02	4.86E-06	1.41E-06	2.44E-04	7.69E-08	2.24E-08	1.61E-02	5.07E-06	1.48E-06	1.13E-04	3.55E-08	1.03E-08
668 490386.72, 3860085.12	1.50E-02	4.73E-06	1.38E-06	2.10E-04	6.62E-08	1.92E-08	1.50E-02	4.74E-06	1.38E-06	2.42E-04	7.64E-08	2.22E-08	1.57E-02	4.95E-06	1.44E-06	1.12E-04	3.52E-08	1.03E-08
669 490436.72, 3860085.12	1.46E-02	4.62E-06	1.34E-06	2.08E-04	6.56E-08	1.91E-08	1.47E-02	4.63E-06	1.35E-06	2.40E-04	7.57E-08	2.20E-08	1.53E-02	4.84E-06	1.41E-06	1.11E-04	3.49E-08	1.02E-08
670 490486.72, 3860085.12	1.43E-02	4.52E-06	1.31E-06	2.06E-04	6.50E-08	1.89E-08	1.43E-02	4.53E-06	1.32E-06	2.38E-04	7.51E-08	2.18E-08	1.50E-02	4.73E-06	1.37E-06	1.10E-04	3.46E-08	1.01E-08
671 490536.72, 3860085.12	1.40E-02	4.41E-06	1.28E-06	2.04E-04	6.45E-08	1.88E-08	1.40E-02	4.43E-06	1.29E-06	2.36E-04	7.45E-08	2.17E-08	1.46E-02	4.62E-06	1.34E-06	1.09E-04	3.44E-08	9.99E-09
672 490586.72, 3860085.12	1.37E-02	4.32E-06	1.26E-06	2.03E-04	6.41E-08	1.86E-08	1.37E-02	4.33E-06	1.26E-06	2.34E-04	7.39E-08	2.15E-08	1.43E-02	4.51E-06	1.31E-06	1.08E-04	3.41E-08	9.92E-09
673 490636.72, 3860085.12	1.34E-02	4.22E-06	1.23E-06	2.01E-04	6.35E-08	1.85E-08	1.34E-02	4.23E-06	1.23E-06	2.32E-04	7.33E-08	2.13E-08	1.40E-02	4.41E-06	1.28E-06	1.07E-04	3.38E-08	9.83E-09
674 490686.72, 3860085.12	1.31E-02	4.13E-06	1.20E-06	2.00E-04	6.31E-08	1.84E-08	1.31E-02	4.14E-06	1.20E-06	2.31E-04	7.29E-08	2.12E-08	1.37E-02	4.32E-06	1.26E-06	1.06E-04	3.36E-08	9.77E-09
675 490736.72, 3860085.12	1.28E-02	4.04E-06	1.18E-06	1.99E-04	6.28E-08	1.83E-08	1.28E-02	4.05E-06	1.18E-06	2.30E-04	7.25E-08	2.11E-08	1.34E-02	4.22E-06	1.23E-06	1.06E-04	3.34E-08	9.71E-09
676 490786.72, 3860085.12	1.25E-02	3.95E-06	1.15E-06	1.98E-04	6.25E-08	1.82E-08	1.26E-02	3.97E-06	1.15E-06	2.29E-04	7.21E-08	2.10E-08	1.31E-02	4.13E-06	1.20E-06	1.05E-04	3.32E-08	9.66E-09
677 490836.72, 3860085.12	1.23E-02	3.87E-06	1.13E-06	1.97E-04	6.21E-08	1.81E-08	1.23E-02	3.88E-06	1.13E-06	2.27E-04	7.17E-08	2.09E-08	1.28E-02	4.05E-06	1.18E-06	1.05E-04	3.30E-08	9.60E-09
678 490086.72, 3860135.12	1.74E-02	5.48E-06	1.59E-06	2.11E-04	6.64E-08	1.93E-08	1.74E-02	5.49E-06	1.60E-06	2.43E-04	7.67E-08	2.23E-08	1.82E-02	5.74E-06	1.67E-06	1.12E-04	3.55E-08	1.03E-08
679 490136.72, 3860135.12	1.69E-02	5.33E-06	1.55E-06	2.11E-04	6.65E-08	1.93E-08	1.69E-02	5.34E-06	1.55E-06	2.43E-04	7.67E-08	2.23E-08	1.77E-02	5.58E-06	1.62E-06	1.12E-04	3.54E-08	1.03E-08
680 490186.72, 3860135.12	1.64E-02	5.19E-06	1.51E-06	2.10E-04	6.64E-08	1.93E-08	1.65E-02	5.20E-06	1.51E-06	2.43E-04	7.66E-08	2.23E-08	1.72E-02	5.43E-06	1.58E-06	1.12E-04	3.54E-08	1.03E-08
681 490236.72, 3860135.12	1.60E-02	5.05E-06	1.47E-06	2.10E-04	6.62E-08	1.92E-08	1.60E-02	5.07E-06	1.47E-06	2.42E-04	7.64E-08	2.22E-08	1.68E-02	5.29E-06	1.54E-06	1.12E-04	3.53E-08	1.03E-08
682 490286.72, 3860135.12	1.56E-02	4.93E-06	1.43E-06	2.09E-04	6.59E-08	1.92E-08	1.56E-02	4.94E-06	1.44E-06	2.41E-04	7.61E-08	2.21E-08	1.63E-02	5.16E-06	1.50E-06	1.11E-04	3.51E-08	1.02E-08
683 490336.72, 3860135.12	1.52E-02	4.80E-06	1.40E-06	2.08E-04	6.56E-08	1.91E-08	1.53E-02	4.81E-06	1.40E-06	2.40E-04	7.57E-08	2.20E-08	1.59E-02	5.03E-06	1.46E-06	1.11E-04	3.49E-08	1.02E-08
684 490386.72, 3860135.12	1.49E-02	4.69E-06	1.36E-06	2.06E-04	6.51E-08	1.89E-08	1.49E-02	4.70E-06	1.37E-06	2.38E-04	7.52E-08	2.19E-08	1.55E-02	4.91E-06	1.43E-06	1.10E-04	3.47E-08	1.01E-08
685 490436.72, 3860135.12	1.45E-02	4.58E-06	1.33E-06	2.05E-04	6.46E-08	1.88E-08	1.45E-02	4.59E-06	1.33E-06	2.36E-04	7.46E-08	2.17E-08	1.52E-02	4.79E-06	1.39E-06	1.09E-04	3.44E-08	1.00E-08
686 490486.72, 3860135.12	1.42E-02	4.47E-06	1.30E-06	2.03E-04	6.41E-08	1.86E-08	1.42E-02	4.48E-06	1.30E-06	2.34E-04	7.40E-08	2.15E-08	1.48E-02	4.67E-06	1.36E-06	1.08E-04	3.41E-08	9.92E-09
687 490536.72, 3860135.12	1.38E-02	4.36E-06	1.27E-06	2.02E-04	6.36E-08	1.85E-08	1.39E-02	4.37E-06	1.27E-06	2.33E-04	7.34E-08	2.14E-08	1.45E-02	4.56E-06	1.33E-06	1.07E-04	3.38E-08	9.85E-09
688 490586.72, 3860135.12	1.35E-02	4.26E-06	1.24E-06	2.00E-04	6.31E-08	1.84E-08	1.35E-02	4.27E-06	1.24E-06	2.31E-04	7.29E-08	2.12E-08	1.41E-02	4.46E-06	1.30E-06	1.06E-04	3.36E-08	9.76E-09
689 490636.72, 3860135.12	1.32E-02	4.17E-06	1.21E-06	1.98E-04	6.26E-08	1.82E-08	1.32E-02	4.18E-06	1.22E-06	2.29E-04	7.23E-08	2.10E-08	1.38E-02	4.36E-06	1.27E-06	1.05E-04	3.33E-08	9.68E-09
690 490686.72, 3860135.12	1.29E-02	4.08E-06	1.19E-06	1.97E-04	6.21E-08	1.81E-08	1.29E-02	4.09E-06	1.19E-06	2.27E-04	7.17E-08	2.08E-08	1.35E-02	4.26E-06	1.24E-06	1.05E-04	3.30E-08	9.60E-09
691 490736.72, 3860135.12	1.26E-02	3.99E-06	1.16E-06	1.95E-04	6.17E-08	1.79E-08	1.27E-02	4.00E-06	1.16E-06	2.26E-04	7.12E-08	2.07E-08	1.32E-02	4.17E-06	1.21E-06	1.04E-04	3.28E-08	9.53E-09
692 490786.72, 3860135.12	1.24E-02	3.90E-06	1.14E-06	1.94E-04	6.13E-08	1.78E-08	1.24E-02	3.91E-06	1.14E-06	2.24E-04	7.08E-08	2.06E-08	1.29E-02	4.08E-06	1.19E-06	1.03E-04	3.26E-08	9.48E-09
693 490836.72, 3860135.12	1.21E-02	3.82E-06	1.11E-06	1.93E-04	6.09E-08	1.77E-08	1.21E-02	3.83E-06	1.11E-06	2.23E-04	7.03E-08	2.05E-08	1.27E-02	3.99E-06	1.16E-06	1.03E-04	3.24E-08	9.41E-09
694 490086.72, 3860185.12	1.73E-02	5.46E-06	1.59E-06	2.05E-04	6.47E-08	1.88E-08	1.73E-02	5.47E-06	1.59E-06	2.37E-04	7.47E-08	2.17E-08	1.81E-02	5.72E-06	1.66E-06	1.09E-04	3.45E-08	1.00E-08
695 490136.72, 3860185.12	1.68E-02	5.30E-06	1.54E-06	2.06E-04	6.49E-08	1.89E-08	1.68E-02	5.31E-06	1.54E-06	2.37E-04	7.49E-08	2.18E-08	1.76E-02	5.55E-06	1.61E-06	1.10E-04	3.46E-08	1.01E-08
696 490186.72, 3860185.12	1.63E-02	5.15E-06	1.50E-06	2.06E-04	6.49E-08	1.89E-08	1.63E-02	5.16E-06	1.50E-06	2.37E-04	7.49E-08	2.18E-08	1.71E-02	5.39E-06	1.57E-06	1.10E-04	3.46E-08	1.01E-08
697 490236.72, 3860185.12	1.59E-02	5.01E-06	1.46E-06	2.05E-04	6.48E-08	1.89E-08	1.59E-02	5.02E-06	1.46E-06	2.37E-04	7.48E-08	2.18E-08	1.66E-02	5.24E-06	1.53E-06	1.09E-04	3.45E-08	1.00E-08
698 490286.72, 3860185.12	1.54E-02	4.88E-06	1.42E-06	2.05E-04	6.46E-08	1.88E-08	1.55E-02	4.89E-06	1.42E-06	2.36E-04	7.46E-08	2.17E-08	1.62E-02	5.10E-06	1.48E-06	1.09E-04	3.44E-08	1.00E-08
699 490336.72, 3860185.12	1.50E-02	4.75E-06	1.38E-06	2.04E-04	6.43E-08	1.87E-08	1.51E-02	4.76E-06	1.38E-06	2.35E-04	7.43E-08	2.16E-08	1.58E-02	4.97E-06	1.45E-06	1.08E-04	3.42E-08	9.96E-09
700 490386.72, 3860185.12	1.47E-02	4.63E-06	1.35E-06	2.03E-04	6.40E-08	1.86E-08	1.47E-02	4.64E-06	1.35E-06	2.34E-04	7.39E-08	2.15E-08	1.54E-02	4.85E-06	1.41E-06	1.08E-04	3.40E-08	9.90E-09
701 490436.72, 3860185.12	1.43E-02	4.52E-06	1.31E-06	2.02E-04	6.36E-08	1.85E-08	1.43E-02	4.53E-06	1.32E-06	2.33E-04	7.34E-08	2.14E-08	1.50E-02	4.73E-06	1.37E-06	1.07E-04	3.38E-08	9.84E-09
702 490486.72, 3860185.12	1.40E-02	4.41E-06	1.28E-06	2.00E-04	6.31E-08	1.84E-08	1.40E-02	4.42E-06	1.28E-06	2.31E-04	7.29E-08	2.12E-08	1.46E-02	4.61E-06	1.34E-06	1.06E-04	3.36E-08	9.76E-09
703 490536.72, 3860185.12	1.36E-02	4.30E-06	1.25E-06	1.99E-04	6.27E-08	1.82E-08	1.37E-02	4.31E-06	1.25E-06	2.29E-04	7.23E-08	2.10E-08	1.43E-02	4.50E-06	1.31E-06	1.06E-04	3.33E-08	9.69E-09
704 490586.72, 3860185.12	1.33E-02	4.20E-06	1.22E-06	1.97E-04	6.22E-08	1.81E-08	1.33E-02	4.21E-06	1.22E-06	2.28E-04	7.19E-08	2.09E-08	1.39E-02	4.39E-06	1.28E-06	1.05E-04	3.31E-08	9.62E-09
705 490636.72, 3860185.12	1.30E-02	4.10E-06	1.19E-06	1.96E-04	6.17E-08	1.79E-08	1.30E-02	4.11E-06	1.20E-06	2.26E-04	7.12E-08	2.07E-08	1.36E-02	4.29E-06	1.25E-06	1.04E-04	3.28E-08	9.54E-09
706 490686.72, 3860185.12	1.27E-02	4.01E-06	1.17E-06	1.94E-04	6.12E-08	1.78E-08	1.27E-02	4.02E-06	1.17E-06	2.24E-04	7.07E-08	2.06E-08	1.33E-02	4.19E-06	1.22E-06	1.03E-04	3.25E-08	9.46E-09
707 490736.72, 3860185.12	1.24E-02	3.92E-06	1.14E-06	1.92E-04	6.07E-08	1.77E-08	1.25E-02	3.93E-06	1.14E-06	2.22E-04	7.01E-08	2.04E-08	1.30E-02	4.10E-06	1.19E-06	1.02E-04	3.22E-08	9.38E-09
708 490786.72, 3860185.12	1.22E-02	3.84E-06	1.12E-06	1.91E-04	6.03E-08	1.75E-08	1.22E-02	3.85E-06	1.12E-06	2.20E-04	6.96E-08	2.02E-08	1.27E-02	4.01E-06	1.17E-06	1.01E-04	3.20E-08	9.31E-09
709 490836.72, 3860185.12	1.19E-02	3.76E-06	1.09E-06	1.90E-04	5.99E-08	1.74E-08	1.19E-02	3.77E-06	1.10E-06	2.19E-04	6.91E-08	2.01E-08	1.24E-02	3.93E-06	1.14E-06	1.01E-04	3.18E-08	9.24E-09
710 490086.72, 3860235.12	1.71E-02	5.41E-06	1.57E-06	2.00E-04	6.31E-08	1.83E-08	1.72E-02	5.42E-06	1.58E-06	2.31E-04	7.28E-08	2.12E-08	1.80E-02	5.67E-06	1.65E-06	1.07E-04	3.36E-08	9.78E-09
711 490136.72, 3860235.12	1.66E-02	5.24E-06	1.53E-06	2.00E-04	6.33E-08	1.84E-08	1.66E-02	5.25E-06	1.53E-06	2.31E-04	7.30E-08	2.12E-08	1.74E-02	5.49E-06	1.60E-06	1.07E-04	3.37E-08	9.80E-09
712 490186.72, 3860235.12	1.61E-02	5.09E-06	1.48E-06	2.01E-04	6.34E-08	1.84E-08	1.62E-02	5.10E-06	1.48E-06	2.32E-04	7.32E-08	2.13E-08	1.69E-02	5.33E-06	1.55E-06	1.07E-04	3.37E-08	9.81E-09
713 490236.72, 3860235.12	1.57E-02	4.94E-06	1.44E-06	2.01E-04	6.34E-08	1.84E-08	1.57E-02	4.95E-06	1.44E-06	2.32E-04	7.32E-08	2.13E-08	1.64E-02	5.18E-06	1.51E-06	1.07E-04	3.37E-08	9.81E-09
714 490286.72, 3860235.12	1.52E-02	4.81E-06	1.40E-06	2.01E-04	6.33E-08	1.84E-08	1.53E-02	4.82E-06	1.40E-06	2.31E-04	7.30E-08	2.12E-08	1.59E-02	5.03E-06	1.46E-06	1.07E-04	3.37E-08	9.79E-09
715 490336.72, 3860235.12	1.48E-02	4.68E-06	1.36E-06	2.00E-04	6.31E-08	1.84E-08	1.49E-02	4.69E-06	1.36E-06	2.31E-04	7.29E-08	2.12E-08	1.55E-02	4.90E-06	1.42E-06	1.06E-04	3.36E-08	9.76E-09
716 490386.72, 3860235.12	1.44E-02	4.56E-06	1.33E-06	1.99E-04	6.29E-08	1.83E-08	1.45E-02	4.57E-06	1.33E-06	2.30E-04	7.26E-08	2.11E-08	1.51E-02	4.77E-06	1.39E-06	1.06E-04	3.34E-08	9.72E-09
717 490436.72, 3860235.12	1.41E-02	4.44E-06	1.29E-06	1.98E-04	6.26E-08	1.82E-08	1.41E-02	4.45E-06	1.29E-06	2.29E-04	7.22E-08	2.10E-08	1.47E-02	4.65E-06	1.35E-06	1.05E-04	3.32E-08	9.67E-09
718 490486.72, 3860235.12	1.37E-02	4.33E-06	1.26E-06	1.97E-04	6.22E-08	1.81E-08	1.38E-02	4.34E-06	1.26E-06	2.27E-04	7.18E-08	2.09E-08	1.44E-02	4.53E-06	1.32E-06	1.05E-04	3.30E-08	9.61E-09
719 490536.72, 3860235.12	1.34E-02	4.22E-06	1.23E-06	1.96E-04	6.18E-08	1.80E-08	1.34E-02	4.23E-06	1.23E-06	2.26E-04	7.13E-08	2.07E-08	1.40E-02	4.42E-06	1.29E-06	1.04E-04	3.28E-08	9.54E-09
720 490586.72, 3860235.12	1.31E-02	4.12E-06	1.20E-06	1.94E-04	6.13E-08	1.78E-08	1.31E-02	4.13E-06	1.20E-06	2.24E-04	7.08E-08	2.06E-08	1.37E-02	4.31E-06	1.25E-06	1.03E-04	3.26E-08	9.47E-09
721 490636.72, 3860235.12	1.28E-02	4.03E-06	1.17E-06	1.93E-04	6.09E-08	1.77E-08	1.28E-02	4.04E-06	1.17E-06	2.23E-04	7.03E-08	2.04E-08	1.33E-02	4.21E-06	1.23E-06	1.02E-04	3.23E-08	9.40E-09
722 490686.72, 3860235.12	1.25E-02	3.94E-06	1.14E-06	1.91E-04	6.04E-08	1.76E-08	1.25E-02	3.95E-06	1.15E-06	2.21E-04	6.97E-08	2.03E-08	1.30E-02	4.12E-06	1.20E-06	1.02E-04	3.21E-08	9.32E-09

723 490736.72, 3860235.12	1.22E-02	3.85E-06	1.12E-06	1.90E-04	5.99E-08	1.74E-08	1.22E-02	3.86E-06	1.12E-06	2.19E-04	6.91E-08	2.01E-08	1.27E-02	4.02E-06	1.17E-06	1.01E-04	3.18E-08	9.24E-09
724 490786.72, 3860235.12	1.19E-02	3.76E-06	1.09E-06	1.88E-04	5.94E-08	1.73E-08	1.20E-02	3.77E-06	1.10E-06	2.17E-04	6.86E-08	1.99E-08	1.25E-02	3.93E-06	1.14E-06	9.99E-05	3.15E-08	9.17E-09
725 490086.72, 3860285.12	1.69E-02	5.33E-06	1.55E-06	1.94E-04	6.14E-08	1.79E-08	1.69E-02	5.34E-06	1.55E-06	2.24E-04	7.08E-08	2.06E-08	1.77E-02	5.59E-06	1.63E-06	1.04E-04	3.27E-08	9.51E-09
726 490136.72, 3860285.12	1.64E-02	5.16E-06	1.50E-06	1.95E-04	6.16E-08	1.79E-08	1.64E-02	5.17E-06	1.50E-06	2.25E-04	7.11E-08	2.07E-08	1.71E-02	5.41E-06	1.57E-06	1.04E-04	3.28E-08	9.54E-09
727 490186.72, 3860285.12	1.59E-02	5.00E-06	1.46E-06	1.96E-04	6.18E-08	1.80E-08	1.59E-02	5.01E-06	1.46E-06	2.26E-04	7.13E-08	2.07E-08	1.66E-02	5.24E-06	1.52E-06	1.04E-04	3.29E-08	9.56E-09
728 490236.72, 3860285.12	1.54E-02	4.86E-06	1.41E-06	1.96E-04	6.19E-08	1.80E-08	1.54E-02	4.87E-06	1.42E-06	2.26E-04	7.15E-08	2.08E-08	1.61E-02	5.09E-06	1.48E-06	1.04E-04	3.29E-08	9.58E-09
729 490286.72, 3860285.12	1.49E-02	4.72E-06	1.37E-06	1.96E-04	6.19E-08	1.80E-08	1.50E-02	4.73E-06	1.38E-06	2.26E-04	7.15E-08	2.08E-08	1.57E-02	4.94E-06	1.44E-06	1.04E-04	3.29E-08	9.57E-09
730 490336.72, 3860285.12	1.45E-02	4.59E-06	1.33E-06	1.96E-04	6.18E-08	1.80E-08	1.46E-02	4.60E-06	1.34E-06	2.26E-04	7.14E-08	2.08E-08	1.52E-02	4.80E-06	1.40E-06	1.04E-04	3.28E-08	9.55E-09
731 490386.72, 3860285.12	1.41E-02	4.47E-06	1.30E-06	1.95E-04	6.17E-08	1.79E-08	1.42E-02	4.48E-06	1.30E-06	2.26E-04	7.12E-08	2.07E-08	1.48E-02	4.67E-06	1.36E-06	1.04E-04	3.28E-08	9.53E-09
732 490436.72, 3860285.12	1.38E-02	4.35E-06	1.27E-06	1.95E-04	6.15E-08	1.79E-08	1.38E-02	4.36E-06	1.27E-06	2.25E-04	7.10E-08	2.06E-08	1.44E-02	4.55E-06	1.32E-06	1.03E-04	3.26E-08	9.49E-09
733 490486.72, 3860285.12	1.34E-02	4.24E-06	1.23E-06	1.94E-04	6.12E-08	1.78E-08	1.35E-02	4.25E-06	1.24E-06	2.24E-04	7.06E-08	2.05E-08	1.41E-02	4.44E-06	1.29E-06	1.03E-04	3.25E-08	9.44E-09
734 490536.72, 3860285.12	1.31E-02	4.13E-06	1.20E-06	1.93E-04	6.08E-08	1.77E-08	1.31E-02	4.14E-06	1.21E-06	2.22E-04	7.02E-08	2.04E-08	1.37E-02	4.32E-06	1.26E-06	1.02E-04	3.23E-08	9.38E-09
735 490586.72, 3860285.12	1.28E-02	4.03E-06	1.17E-06	1.91E-04	6.04E-08	1.76E-08	1.28E-02	4.04E-06	1.18E-06	2.21E-04	6.97E-08	2.03E-08	1.34E-02	4.22E-06	1.23E-06	1.01E-04	3.20E-08	9.32E-09
736 490636.72, 3860285.12	1.25E-02	3.94E-06	1.15E-06	1.90E-04	6.00E-08	1.74E-08	1.25E-02	3.95E-06	1.15E-06	2.19E-04	6.92E-08	2.01E-08	1.30E-02	4.12E-06	1.20E-06	1.01E-04	3.18E-08	9.25E-09
737 490686.72, 3860285.12	1.22E-02	3.85E-06	1.12E-06	1.89E-04	5.95E-08	1.73E-08	1.22E-02	3.86E-06	1.12E-06	2.18E-04	6.87E-08	2.00E-08	1.27E-02	4.02E-06	1.17E-06	1.00E-04	3.16E-08	9.19E-09
738 490736.72, 3860285.12	1.19E-02	3.76E-06	1.09E-06	1.87E-04	5.91E-08	1.72E-08	1.19E-02	3.77E-06	1.10E-06	2.16E-04	6.82E-08	1.98E-08	1.25E-02	3.93E-06	1.14E-06	9.93E-05	3.13E-08	9.11E-09
739 490786.72, 3860285.12	1.17E-02	3.68E-06	1.07E-06	1.86E-04	5.86E-08	1.70E-08	1.17E-02	3.69E-06	1.07E-06	2.14E-04	6.77E-08	1.97E-08	1.22E-02	3.85E-06	1.12E-06	9.85E-05	3.11E-08	9.04E-09
740 490086.72, 3860335.12	1.65E-02	5.22E-06	1.52E-06	1.89E-04	5.97E-08	1.74E-08	1.66E-02	5.23E-06	1.52E-06	2.18E-04	6.89E-08	2.00E-08	1.73E-02	5.48E-06	1.59E-06	1.01E-04	3.18E-08	9.24E-09
741 490136.72, 3860335.12	1.60E-02	5.05E-06	1.47E-06	1.90E-04	6.00E-08	1.75E-08	1.60E-02	5.06E-06	1.47E-06	2.19E-04	6.93E-08	2.01E-08	1.68E-02	5.29E-06	1.54E-06	1.01E-04	3.19E-08	9.28E-09
742 490186.72, 3860335.12	1.55E-02	4.89E-06	1.42E-06	1.91E-04	6.02E-08	1.75E-08	1.55E-02	4.90E-06	1.43E-06	2.20E-04	6.95E-08	2.02E-08	1.62E-02	5.13E-06	1.49E-06	1.01E-04	3.20E-08	9.31E-09
743 490236.72, 3860335.12	1.50E-02	4.74E-06	1.38E-06	1.91E-04	6.04E-08	1.76E-08	1.51E-02	4.75E-06	1.38E-06	2.21E-04	6.98E-08	2.03E-08	1.57E-02	4.97E-06	1.45E-06	1.02E-04	3.21E-08	9.34E-09
744 490286.72, 3860335.12	1.46E-02	4.61E-06	1.34E-06	1.92E-04	6.05E-08	1.76E-08	1.46E-02	4.62E-06	1.34E-06	2.21E-04	6.98E-08	2.03E-08	1.53E-02	4.82E-06	1.40E-06	1.02E-04	3.21E-08	9.34E-09
745 490336.72, 3860335.12	1.42E-02	4.48E-06	1.30E-06	1.92E-04	6.05E-08	1.76E-08	1.42E-02	4.49E-06	1.31E-06	2.21E-04	6.98E-08	2.03E-08	1.49E-02	4.69E-06	1.36E-06	1.02E-04	3.21E-08	9.34E-09
746 490386.72, 3860335.12	1.38E-02	4.36E-06	1.27E-06	1.91E-04	6.04E-08	1.76E-08	1.38E-02	4.37E-06	1.27E-06	2.21E-04	6.98E-08	2.03E-08	1.44E-02	4.56E-06	1.33E-06	1.02E-04	3.21E-08	9.33E-09
747 490436.72, 3860335.12	1.34E-02	4.24E-06	1.23E-06	1.91E-04	6.03E-08	1.75E-08	1.35E-02	4.25E-06	1.24E-06	2.21E-04	6.96E-08	2.02E-08	1.41E-02	4.44E-06	1.29E-06	1.01E-04	3.20E-08	9.30E-09
748 490486.72, 3860335.12	1.31E-02	4.13E-06	1.20E-06	1.90E-04	6.01E-08	1.75E-08	1.31E-02	4.14E-06	1.21E-06	2.20E-04	6.94E-08	2.02E-08	1.37E-02	4.32E-06	1.26E-06	1.01E-04	3.19E-08	9.27E-09
749 490536.72, 3860335.12	1.28E-02	4.03E-06	1.17E-06	1.90E-04	5.98E-08	1.74E-08	1.28E-02	4.04E-06	1.18E-06	2.19E-04	6.91E-08	2.01E-08	1.34E-02	4.22E-06	1.23E-06	1.00E-04	3.17E-08	9.23E-09
750 490586.72, 3860335.12	1.25E-02	3.93E-06	1.14E-06	1.88E-04	5.95E-08	1.73E-08	1.25E-02	3.94E-06	1.15E-06	2.18E-04	6.87E-08	2.00E-08	1.30E-02	4.11E-06	1.20E-06	9.99E-05	3.15E-08	9.17E-09
751 490636.72, 3860335.12	1.22E-02	3.84E-06	1.12E-06	1.87E-04	5.91E-08	1.72E-08	1.22E-02	3.85E-06	1.12E-06	2.16E-04	6.82E-08	1.98E-08	1.27E-02	4.01E-06	1.17E-06	9.93E-05	3.13E-08	9.11E-09
752 490686.72, 3860335.12	1.19E-02	3.75E-06	1.09E-06	1.86E-04	5.87E-08	1.71E-08	1.19E-02	3.76E-06	1.09E-06	2.15E-04	6.78E-08	1.97E-08	1.24E-02	3.92E-06	1.14E-06	9.86E-05	3.11E-08	9.05E-09
753 490736.72, 3860335.12	1.16E-02	3.67E-06	1.07E-06	1.85E-04	5.83E-08	1.69E-08	1.16E-02	3.68E-06	1.07E-06	2.13E-04	6.73E-08	1.96E-08	1.21E-02	3.83E-06	1.11E-06	9.78E-05	3.09E-08	8.98E-09
754 490786.72, 3860335.12	1.14E-02	3.59E-06	1.04E-06	1.83E-04	5.79E-08	1.68E-08	1.14E-02	3.60E-06	1.05E-06	2.12E-04	6.68E-08	1.94E-08	1.19E-02	3.75E-06	1.09E-06	9.72E-05	3.07E-08	8.92E-09
755 490086.72, 3860385.12	1.61E-02	5.08E-06	1.48E-06	1.84E-04	5.80E-08	1.69E-08	1.61E-02	5.09E-06	1.48E-06	2.12E-04	6.70E-08	1.95E-08	1.69E-02	5.32E-06	1.55E-06	9.78E-05	3.09E-08	8.98E-09
756 490136.72, 3860385.12	1.55E-02	4.91E-06	1.43E-06	1.85E-04	5.84E-08	1.70E-08	1.56E-02	4.92E-06	1.43E-06	2.14E-04	6.74E-08	1.96E-08	1.63E-02	5.14E-06	1.50E-06	9.83E-05	3.10E-08	9.02E-09
757 490186.72, 3860385.12	1.51E-02	4.75E-06	1.38E-06	1.86E-04	5.86E-08	1.70E-08	1.51E-02	4.76E-06	1.38E-06	2.14E-04	6.77E-08	1.97E-08	1.58E-02	4.98E-06	1.45E-06	9.86E-05	3.11E-08	9.05E-09
758 490236.72, 3860385.12	1.46E-02	4.61E-06	1.34E-06	1.86E-04	5.89E-08	1.71E-08	1.46E-02	4.62E-06	1.34E-06	2.15E-04	6.80E-08	1.98E-08	1.53E-02	4.82E-06	1.40E-06	9.90E-05	3.12E-08	9.09E-09
759 490286.72, 3860385.12	1.42E-02	4.47E-06	1.30E-06	1.87E-04	5.90E-08	1.72E-08	1.42E-02	4.48E-06	1.30E-06	2.16E-04	6.81E-08	1.98E-08	1.48E-02	4.68E-06	1.36E-06	9.92E-05	3.13E-08	9.11E-09
760 490336.72, 3860385.12	1.38E-02	4.35E-06	1.26E-06	1.87E-04	5.91E-08	1.72E-08	1.38E-02	4.36E-06	1.27E-06	2.16E-04	6.82E-08	1.98E-08	1.44E-02	4.55E-06	1.32E-06	9.93E-05	3.13E-08	9.12E-09
761 490386.72, 3860385.12	1.34E-02	4.23E-06	1.23E-06	1.87E-04	5.91E-08	1.72E-08	1.34E-02	4.24E-06	1.23E-06	2.16E-04	6.82E-08	1.99E-08	1.40E-02	4.43E-06	1.29E-06	9.93E-05	3.13E-08	9.11E-09
762 490436.72, 3860385.12	1.30E-02	4.12E-06	1.20E-06	1.87E-04	5.91E-08	1.72E-08	1.31E-02	4.13E-06	1.20E-06	2.16E-04	6.82E-08	1.98E-08	1.36E-02	4.31E-06	1.25E-06	9.92E-05	3.13E-08	9.11E-09
763 490486.72, 3860385.12	1.27E-02	4.01E-06	1.17E-06	1.87E-04	5.90E-08	1.71E-08	1.27E-02	4.02E-06	1.17E-06	2.16E-04	6.81E-08	1.98E-08	1.33E-02	4.20E-06	1.22E-06	9.90E-05	3.12E-08	9.09E-09
764 490536.72, 3860385.12	1.24E-02	3.91E-06	1.14E-06	1.86E-04	5.88E-08	1.71E-08	1.24E-02	3.92E-06	1.14E-06	2.15E-04	6.79E-08	1.97E-08	1.30E-02	4.09E-06	1.19E-06	9.87E-05	3.11E-08	9.06E-09
765 490586.72, 3860385.12	1.21E-02	3.82E-06	1.11E-06	1.85E-04	5.85E-08	1.70E-08	1.21E-02	3.83E-06	1.11E-06	2.14E-04	6.76E-08	1.97E-08	1.27E-02	3.99E-06	1.16E-06	9.82E-05	3.10E-08	9.02E-09
766 490636.72, 3860385.12	1.18E-02	3.73E-06	1.08E-06	1.84E-04	5.82E-08	1.69E-08	1.18E-02	3.74E-06	1.09E-06	2.13E-04	6.72E-08	1.96E-08	1.23E-02	3.90E-06	1.13E-06	9.77E-05	3.08E-08	8.97E-09
767 490686.72, 3860385.12	1.15E-02	3.64E-06	1.06E-06	1.83E-04	5.79E-08	1.68E-08	1.16E-02	3.65E-06	1.06E-06	2.12E-04	6.68E-08	1.94E-08	1.21E-02	3.81E-06	1.11E-06	9.71E-05	3.07E-08	8.92E-09
768 490736.72, 3860385.12	1.13E-02	3.56E-06	1.04E-06	1.82E-04	5.75E-08	1.67E-08	1.13E-02	3.57E-06	1.04E-06	2.10E-04	6.64E-08	1.93E-08	1.18E-02	3.72E-06	1.08E-06	9.64E-05	3.04E-08	8.85E-09
769 490786.72, 3860385.12	1.10E-02	3.48E-06	1.01E-06	1.81E-04	5.70E-08	1.66E-08	1.11E-02	3.49E-06	1.02E-06	2.09E-04	6.59E-08	1.92E-08	1.15E-02	3.64E-06	1.06E-06	9.57E-05	3.02E-08	8.79E-09
770 490136.72, 3860435.12	1.50E-02	4.73E-06	1.38E-06	1.80E-04	5.68E-08	1.65E-08	1.50E-02	4.74E-06	1.38E-06	2.08E-04	6.55E-08	1.91E-08	1.57E-02	4.96E-06	1.44E-06	9.55E-05	3.01E-08	8.76E-09
771 490186.72, 3860435.12	1.45E-02	4.58E-06	1.33E-06	1.81E-04	5.71E-08	1.66E-08	1.46E-02	4.59E-06	1.34E-06	2.09E-04	6.59E-08	1.92E-08	1.52E-02	4.80E-06	1.40E-06	9.59E-05	3.03E-08	8.81E-09
772 490236.72, 3860435.12	1.41E-02	4.45E-06	1.29E-06	1.82E-04	5.73E-08	1.67E-08	1.41E-02	4.45E-06	1.30E-06	2.10E-04	6.62E-08	1.93E-08	1.48E-02	4.66E-06	1.35E-06	9.63E-05	3.04E-08	8.84E-09
773 490286.72, 3860435.12	1.37E-02	4.32E-06	1.26E-06	1.82E-04	5.75E-08	1.67E-08	1.37E-02	4.33E-06	1.26E-06	2.10E-04	6.64E-08	1.93E-08	1.43E-02	4.52E-06	1.31E-06	9.66E-05	3.05E-08	8.87E-09
774 490336.72, 3860435.12	1.33E-02	4.20E-06	1.22E-06	1.83E-04	5.76E-08	1.68E-08	1.33E-02	4.20E-06	1.22E-06	2.11E-04	6.66E-08	1.94E-08	1.39E-02	4.39E-06	1.28E-06	9.68E-05	3.06E-08	8.89E-09
775 490386.72, 3860435.12	1.29E-02	4.08E-06	1.19E-06	1.83E-04	5.77E-08	1.68E-08	1.30E-02	4.09E-06	1.19E-06	2.11E-04	6.67E-08	1.94E-08	1.35E-02	4.27E-06	1.24E-06	9.69E-05	3.06E-08	8.90E-09
776 490436.72, 3860435.12	1.26E-02	3.98E-06	1.16E-06	1.83E-04	5.78E-08	1.68E-08	1.26E-02	3.99E-06	1.16E-06	2.11E-04	6.67E-08	1.94E-08	1.32E-02	4.16E-06	1.21E-06	9.70E-05	3.06E-08	8.90E-09
777 490486.72, 3860435.12	1.23E-02	3.88E-06	1.13E-06	1.83E-04	5.77E-08	1.68E-08	1.23E-02	3.89E-06	1.13E-06	2.11E-04	6.67E-08	1.94E-08	1.28E-02	4.05E-06	1.18E-06	9.69E-05	3.06E-08	8.90E-09
778 490536.72, 3860435.12	1.20E-02	3.78E-06	1.10E-06	1.83E-04	5.77E-08	1.68E-08	1.20E-02	3.79E-06	1.10E-06	2.11E-04	6.66E-08	1.94E-08	1.25E-02	3.96E-06	1.15E-06	9.67E-05	3.05E-08	8.88E-09
779 490586.72, 3860435.12	1.17E-02	3.69E-06	1.07E-06	1.82E-04	5.75E-08	1.67E-08	1.17E-02	3.70E-06	1.08E-06	2.10E-04	6.64E-08	1.93E-08	1.22E-02	3.86E-06	1.12E-06	9.64E-05	3.04E-08	8.85E-09
780 490636.72, 3860435.12	1.14E-02	3.61E-06	1.05E-06	1.81E-04	5.72E-08	1.66E-08	1.15E-02	3.62E-06	1.05E-06	2.09E-04	6.61E-08	1.92E-08	1.19E-02	3.77E-06	1.10E-06	9.60E-05	3.03E-08	8.81E-09
781 490686.72, 3860435.12	1.12E-02	3.53E-06	1.03E-06	1.80E-04	5.70E-08	1.66E-08	1.12E-02	3.54E-06	1.03E-06	2.08E-04	6.58E-08	1.91E-08	1.17E-02	3.69E-06	1.07E-06	9.55E-05	3.02E-08	8.77E-09
782 490736.72, 3860435.12	1.09E-02	3.45E-06	1.00E-06	1.80E-04	5.67E-08	1.65E-08	1.10E-02	3.46E-06	1.01E-06	2.07E-04	6.55E-08	1.90E-08	1.14E-02	3.61E-06	1.05E-06	9.50E-05	3.00E-08	8.72E-09
783 490786.72, 3860435.12	1.07E-02	3.38E-06	9.82E-07	1.78E-04	5.63E-08	1.64E-08	1.07E-02	3.39E-06	9.85E-07	2.06E-04	6.50E-08	1.89E-08	1.12E-02	3.53E-06	1.03E-06	9.44E-05	2.98E-08	8.66E-09
784 490136.72, 3860485.12	1.44E-02	4.53E-06	1.32E-06	1.75E-04	5.53E-08	1.61E-08	1.44E-02	4.54E-06	1.32E-06	2.02E-04	6.38E-08	1.86E-08	1.51E-02	4.75E-06	1.38E-06	9.29E-05	2.93E-08	8.53E-09
785 490186.72, 3860485.12	1.39E-02	4.39E-06	1.28E-06	1.76E-04	5.55E-08	1.62E-08	1.40E-02	4.40E-06	1.28E-06	2.03E-04	6.41E-08	1.87E-08	1.46E-02	4.60E-06	1.34E-06	9.33E-05	2.94E-08	8.57E-09
786 490236.72, 3860485.12	1.35E-02	4.26E-06	1.24E-06	1.77E-04	5.58E-08	1.62E-08	1.35E-02	4.27E-06	1.24E-06	2.04E-04	6.44E-08	1.87E-08	1.41E-02	4.47E-06	1.30E-06	9.37E-05	2.96E-08	8.60E-09
787 490286.72, 3860485.12	1.31E-02	4.14E-06	1.21E-06	1.78E-04	5.60E-08	1.63E-08	1.32E-02	4.15E-06	1.21E-06	2.05E-04	6.47E-08	1.88E-08	1.37E-02	4.34E-06	1.26E-06	9.41E-05	2.97E-08	8.64E-09
788 490336.72, 3860485.12	1.28E-02	4.03E-06	1.17E-06	1.78E-04	5.62E-08	1.64E-08	1.28E-02	4.04E-06	1.17E-06	2.06E-04	6.49E-08	1.89E-08	1.34E-02	4.22E-06	1.23E-06	9.43E-05	2.98E-08	8.66E-09

789 490386.72, 3860485.12	1.24E-02	3.92E-06	1.14E-06	1.79E-04	5.64E-08	1.64E-08	1.25E-02	3.93E-06	1.14E-06	2.06E-04	6.51E-08	1.89E-08	1.30E-02	4.11E-06	1.19E-06	9.46E-05	2.99E-08	8.68E-09
790 490436.72, 3860485.12	1.21E-02	3.83E-06	1.11E-06	1.79E-04	5.65E-08	1.64E-08	1.22E-02	3.84E-06	1.12E-06	2.07E-04	6.53E-08	1.90E-08	1.27E-02	4.00E-06	1.16E-06	9.48E-05	2.99E-08	8.71E-09
791 490486.72, 3860485.12	1.18E-02	3.73E-06	1.09E-06	1.79E-04	5.66E-08	1.64E-08	1.19E-02	3.74E-06	1.09E-06	2.07E-04	6.53E-08	1.90E-08	1.24E-02	3.90E-06	1.14E-06	9.48E-05	2.99E-08	8.70E-09
792 490536.72, 3860485.12	1.15E-02	3.64E-06	1.06E-06	1.79E-04	5.65E-08	1.64E-08	1.16E-02	3.65E-06	1.06E-06	2.07E-04	6.53E-08	1.90E-08	1.21E-02	3.81E-06	1.11E-06	9.47E-05	2.99E-08	8.69E-09
793 490586.72, 3860485.12	1.13E-02	3.56E-06	1.03E-06	1.79E-04	5.64E-08	1.64E-08	1.13E-02	3.57E-06	1.04E-06	2.06E-04	6.51E-08	1.89E-08	1.18E-02	3.72E-06	1.08E-06	9.45E-05	2.98E-08	8.68E-09
794 490636.72, 3860485.12	1.10E-02	3.48E-06	1.01E-06	1.78E-04	5.62E-08	1.64E-08	1.10E-02	3.49E-06	1.01E-06	2.06E-04	6.50E-08	1.89E-08	1.15E-02	3.63E-06	1.06E-06	9.43E-05	2.98E-08	8.65E-09
795 490686.72, 3860485.12	1.08E-02	3.40E-06	9.89E-07	1.77E-04	5.60E-08	1.63E-08	1.08E-02	3.41E-06	9.92E-07	2.05E-04	6.47E-08	1.88E-08	1.13E-02	3.55E-06	1.03E-06	9.39E-05	2.96E-08	8.62E-09
796 490736.72, 3860485.12	1.05E-02	3.33E-06	9.68E-07	1.77E-04	5.58E-08	1.62E-08	1.06E-02	3.34E-06	9.71E-07	2.04E-04	6.44E-08	1.87E-08	1.10E-02	3.48E-06	1.01E-06	9.34E-05	2.95E-08	8.58E-09
797 490786.72, 3860485.12	1.03E-02	3.26E-06	9.48E-07	1.76E-04	5.55E-08	1.61E-08	1.04E-02	3.27E-06	9.51E-07	2.03E-04	6.41E-08	1.86E-08	1.08E-02	3.41E-06	9.91E-07	9.29E-05	2.93E-08	8.53E-09
798 490136.72, 3860535.12	1.37E-02	4.31E-06	1.26E-06	1.71E-04	5.38E-08	1.57E-08	1.37E-02	4.32E-06	1.26E-06	1.97E-04	6.22E-08	1.81E-08	1.43E-02	4.52E-06	1.31E-06	9.04E-05	2.85E-08	8.30E-09
799 490186.72, 3860535.12	1.33E-02	4.19E-06	1.22E-06	1.72E-04	5.42E-08	1.58E-08	1.33E-02	4.20E-06	1.22E-06	1.98E-04	6.26E-08	1.82E-08	1.39E-02	4.39E-06	1.28E-06	9.10E-05	2.87E-08	8.35E-09
800 490236.72, 3860535.12	1.29E-02	4.07E-06	1.18E-06	1.72E-04	5.43E-08	1.58E-08	1.29E-02	4.08E-06	1.19E-06	1.99E-04	6.28E-08	1.83E-08	1.35E-02	4.26E-06	1.24E-06	9.12E-05	2.88E-08	8.37E-09
801 490286.72, 3860535.12	1.25E-02	3.96E-06	1.15E-06	1.73E-04	5.46E-08	1.59E-08	1.26E-02	3.97E-06	1.15E-06	2.00E-04	6.30E-08	1.83E-08	1.31E-02	4.14E-06	1.20E-06	9.15E-05	2.89E-08	8.40E-09
802 490336.72, 3860535.12	1.22E-02	3.85E-06	1.12E-06	1.74E-04	5.48E-08	1.59E-08	1.22E-02	3.86E-06	1.12E-06	2.01E-04	6.33E-08	1.84E-08	1.28E-02	4.03E-06	1.17E-06	9.19E-05	2.90E-08	8.44E-09
803 490386.72, 3860535.12	1.19E-02	3.76E-06	1.09E-06	1.74E-04	5.50E-08	1.60E-08	1.19E-02	3.77E-06	1.10E-06	2.01E-04	6.36E-08	1.85E-08	1.25E-02	3.93E-06	1.14E-06	9.23E-05	2.91E-08	8.47E-09
804 490436.72, 3860535.12	1.16E-02	3.67E-06	1.07E-06	1.75E-04	5.52E-08	1.61E-08	1.16E-02	3.68E-06	1.07E-06	2.02E-04	6.38E-08	1.86E-08	1.21E-02	3.83E-06	1.12E-06	9.26E-05	2.92E-08	8.50E-09
805 490486.72, 3860535.12	1.13E-02	3.58E-06	1.04E-06	1.75E-04	5.54E-08	1.61E-08	1.14E-02	3.59E-06	1.04E-06	2.03E-04	6.40E-08	1.86E-08	1.19E-02	3.74E-06	1.09E-06	9.28E-05	2.93E-08	8.52E-09
806 490536.72, 3860535.12	1.11E-02	3.50E-06	1.02E-06	1.76E-04	5.55E-08	1.62E-08	1.11E-02	3.51E-06	1.02E-06	2.03E-04	6.42E-08	1.87E-08	1.16E-02	3.66E-06	1.06E-06	9.31E-05	2.94E-08	8.54E-09
807 490586.72, 3860535.12	1.08E-02	3.42E-06	9.94E-07	1.75E-04	5.53E-08	1.61E-08	1.09E-02	3.43E-06	9.97E-07	2.02E-04	6.39E-08	1.86E-08	1.13E-02	3.57E-06	1.04E-06	9.27E-05	2.92E-08	8.51E-09
808 490636.72, 3860535.12	1.06E-02	3.34E-06	9.72E-07	1.75E-04	5.52E-08	1.61E-08	1.06E-02	3.35E-06	9.75E-07	2.02E-04	6.38E-08	1.86E-08	1.11E-02	3.49E-06	1.02E-06	9.25E-05	2.92E-08	8.49E-09
809 490686.72, 3860535.12	1.04E-02	3.27E-06	9.52E-07	1.74E-04	5.51E-08	1.60E-08	1.04E-02	3.28E-06	9.55E-07	2.02E-04	6.36E-08	1.85E-08	1.08E-02	3.42E-06	9.95E-07	9.22E-05	2.91E-08	8.47E-09
810 490736.72, 3860535.12	1.02E-02	3.21E-06	9.32E-07	1.74E-04	5.48E-08	1.60E-08	1.02E-02	3.21E-06	9.35E-07	2.01E-04	6.34E-08	1.84E-08	1.06E-02	3.35E-06	9.74E-07	9.19E-05	2.90E-08	8.43E-09
811 490786.72, 3860535.12	9.96E-03	3.14E-06	9.14E-07	1.73E-04	5.46E-08	1.59E-08	9.98E-03	3.15E-06	9.17E-07	2.00E-04	6.31E-08	1.84E-08	1.04E-02	3.28E-06	9.55E-07	9.15E-05	2.89E-08	8.40E-09
812 490136.72, 3860585.12	1.29E-02	4.09E-06	1.19E-06	1.66E-04	5.25E-08	1.53E-08	1.30E-02	4.09E-06	1.19E-06	1.92E-04	6.07E-08	1.77E-08	1.36E-02	4.28E-06	1.24E-06	8.81E-05	2.78E-08	8.09E-09
813 490186.72, 3860585.12	1.26E-02	3.96E-06	1.15E-06	1.66E-04	5.25E-08	1.53E-08	1.26E-02	3.97E-06	1.16E-06	1.92E-04	6.06E-08	1.76E-08	1.32E-02	4.15E-06	1.21E-06	8.80E-05	2.78E-08	8.08E-09
814 490236.72, 3860585.12	1.22E-02	3.86E-06	1.12E-06	1.67E-04	5.28E-08	1.54E-08	1.23E-02	3.87E-06	1.13E-06	1.93E-04	6.10E-08	1.78E-08	1.28E-02	4.04E-06	1.18E-06	8.86E-05	2.80E-08	8.13E-09
815 490286.72, 3860585.12	1.19E-02	3.76E-06	1.09E-06	1.68E-04	5.31E-08	1.55E-08	1.20E-02	3.77E-06	1.10E-06	1.95E-04	6.14E-08	1.79E-08	1.25E-02	3.94E-06	1.15E-06	8.91E-05	2.81E-08	8.18E-09
816 490336.72, 3860585.12	1.16E-02	3.67E-06	1.07E-06	1.69E-04	5.34E-08	1.55E-08	1.17E-02	3.68E-06	1.07E-06	1.95E-04	6.17E-08	1.79E-08	1.22E-02	3.84E-06	1.12E-06	8.95E-05	2.82E-08	8.21E-09
817 490386.72, 3860585.12	1.13E-02	3.58E-06	1.04E-06	1.70E-04	5.36E-08	1.56E-08	1.14E-02	3.59E-06	1.04E-06	1.96E-04	6.19E-08	1.80E-08	1.19E-02	3.75E-06	1.09E-06	8.98E-05	2.84E-08	8.25E-09
818 490436.72, 3860585.12	1.11E-02	3.50E-06	1.02E-06	1.71E-04	5.40E-08	1.57E-08	1.11E-02	3.51E-06	1.02E-06	1.98E-04	6.24E-08	1.81E-08	1.16E-02	3.66E-06	1.07E-06	9.04E-05	2.85E-08	8.30E-09
819 490486.72, 3860585.12	1.09E-02	3.43E-06	9.97E-07	1.72E-04	5.43E-08	1.58E-08	1.09E-02	3.44E-06	1.00E-06	1.99E-04	6.27E-08	1.82E-08	1.14E-02	3.58E-06	1.04E-06	9.09E-05	2.87E-08	8.35E-09
820 490536.72, 3860585.12	1.06E-02	3.35E-06	9.75E-07	1.72E-04	5.43E-08	1.58E-08	1.06E-02	3.36E-06	9.78E-07	1.99E-04	6.28E-08	1.83E-08	1.11E-02	3.50E-06	1.02E-06	9.10E-05	2.87E-08	8.35E-09
821 490586.72, 3860585.12	1.04E-02	3.27E-06	9.52E-07	1.71E-04	5.41E-08	1.57E-08	1.04E-02	3.28E-06	9.55E-07	1.98E-04	6.25E-08	1.82E-08	1.08E-02	3.42E-06	9.95E-07	9.06E-05	2.86E-08	8.32E-09
822 490636.72, 3860585.12	1.02E-02	3.21E-06	9.32E-07	1.71E-04	5.41E-08	1.57E-08	1.02E-02	3.21E-06	9.35E-07	1.98E-04	6.25E-08	1.82E-08	1.06E-02	3.35E-06	9.74E-07	9.06E-05	2.86E-08	8.32E-09
823 490686.72, 3860585.12	9.95E-03	3.14E-06	9.14E-07	1.71E-04	5.40E-08	1.57E-08	9.98E-03	3.15E-06	9.16E-07	1.98E-04	6.24E-08	1.82E-08	1.04E-02	3.28E-06	9.54E-07	9.05E-05	2.85E-08	8.30E-09
824 490736.72, 3860585.12	9.76E-03	3.08E-06	8.96E-07	1.71E-04	5.39E-08	1.57E-08	9.78E-03	3.09E-06	8.98E-07	1.97E-04	6.23E-08	1.81E-08	1.02E-02	3.22E-06	9.35E-07	9.02E-05	2.85E-08	8.28E-09
825 490786.72, 3860585.12	9.57E-03	3.02E-06	8.78E-07	1.70E-04	5.37E-08	1.56E-08	9.60E-03	3.03E-06	8.81E-07	1.97E-04	6.21E-08	1.81E-08	9.99E-03	3.15E-06	9.17E-07	8.99E-05	2.84E-08	8.25E-09
826 490136.72, 3860635.12	1.22E-02	3.85E-06	1.12E-06	1.63E-04	5.14E-08	1.50E-08	1.22E-02	3.86E-06	1.12E-06	1.88E-04	5.94E-08	1.73E-08	1.28E-02	4.03E-06	1.17E-06	8.62E-05	2.72E-08	7.91E-09
827 490186.72, 3860635.12	1.19E-02	3.75E-06	1.09E-06	1.63E-04	5.14E-08	1.50E-08	1.19E-02	3.76E-06	1.09E-06	1.88E-04	5.94E-08	1.73E-08	1.24E-02	3.93E-06	1.14E-06	8.62E-05	2.72E-08	7.92E-09
828 490236.72, 3860635.12	1.16E-02	3.65E-06	1.06E-06	1.63E-04	5.15E-08	1.50E-08	1.16E-02	3.66E-06	1.07E-06	1.88E-04	5.95E-08	1.73E-08	1.21E-02	3.82E-06	1.11E-06	8.63E-05	2.72E-08	7.92E-09
829 490286.72, 3860635.12	1.13E-02	3.56E-06	1.04E-06	1.64E-04	5.17E-08	1.50E-08	1.13E-02	3.57E-06	1.04E-06	1.89E-04	5.98E-08	1.74E-08	1.18E-02	3.73E-06	1.08E-06	8.66E-05	2.73E-08	7.95E-09
830 490336.72, 3860635.12	1.10E-02	3.48E-06	1.01E-06	1.65E-04	5.20E-08	1.51E-08	1.11E-02	3.49E-06	1.02E-06	1.90E-04	6.01E-08	1.75E-08	1.15E-02	3.64E-06	1.06E-06	8.71E-05	2.75E-08	8.00E-09
831 490386.72, 3860635.12	1.08E-02	3.41E-06	9.90E-07	1.66E-04	5.23E-08	1.52E-08	1.08E-02	3.41E-06	9.93E-07	1.91E-04	6.04E-08	1.76E-08	1.13E-02	3.56E-06	1.04E-06	8.75E-05	2.76E-08	8.03E-09
832 490436.72, 3860635.12	1.06E-02	3.33E-06	9.69E-07	1.66E-04	5.25E-08	1.53E-08	1.06E-02	3.34E-06	9.71E-07	1.92E-04	6.07E-08	1.76E-08	1.10E-02	3.48E-06	1.01E-06	8.79E-05	2.77E-08	8.07E-09
833 490486.72, 3860635.12	1.03E-02	3.26E-06	9.48E-07	1.67E-04	5.27E-08	1.53E-08	1.04E-02	3.27E-06	9.51E-07	1.93E-04	6.09E-08	1.77E-08	1.08E-02	3.41E-06	9.91E-07	8.82E-05	2.78E-08	8.10E-09
834 490536.72, 3860635.12	1.01E-02	3.20E-06	9.30E-07	1.68E-04	5.30E-08	1.54E-08	1.02E-02	3.20E-06	9.32E-07	1.94E-04	6.12E-08	1.78E-08	1.06E-02	3.34E-06	9.72E-07	8.86E-05	2.80E-08	8.14E-09
835 490586.72, 3860635.12	9.91E-03	3.13E-06	9.10E-07	1.68E-04	5.30E-08	1.54E-08	9.94E-03	3.14E-06	9.13E-07	1.94E-04	6.12E-08	1.78E-08	1.04E-02	3.27E-06	9.51E-07	8.86E-05	2.80E-08	8.14E-09
836 490636.72, 3860635.12	9.72E-03	3.07E-06	8.92E-07	1.68E-04	5.30E-08	1.54E-08	9.75E-03	3.08E-06	8.95E-07	1.94E-04	6.13E-08	1.78E-08	1.02E-02	3.20E-06	9.32E-07	8.87E-05	2.80E-08	8.15E-09
837 490686.72, 3860635.12	9.53E-03	3.01E-06	8.75E-07	1.68E-04	5.30E-08	1.54E-08	9.56E-03	3.02E-06	8.78E-07	1.94E-04	6.13E-08	1.78E-08	9.96E-03	3.14E-06	9.14E-07	8.87E-05	2.80E-08	8.14E-09
838 490736.72, 3860635.12	9.35E-03	2.95E-06	8.58E-07	1.68E-04	5.29E-08	1.54E-08	9.38E-03	2.96E-06	8.61E-07	1.94E-04	6.11E-08	1.78E-08	9.76E-03	3.08E-06	8.96E-07	8.85E-05	2.79E-08	8.12E-09
839 490786.72, 3860635.12	9.18E-03	2.90E-06	8.43E-07	1.67E-04	5.28E-08	1.54E-08	9.21E-03	2.91E-06	8.45E-07	1.93E-04	6.10E-08	1.77E-08	9.58E-03	3.02E-06	8.80E-07	8.83E-05	2.79E-08	8.11E-09
840 490136.72, 3860685.12	1.15E-02	3.62E-06	1.05E-06	1.59E-04	5.01E-08	1.46E-08	1.15E-02	3.63E-06	1.05E-06	1.83E-04	5.79E-08	1.68E-08	1.20E-02	3.79E-06	1.10E-06	8.39E-05	2.65E-08	7.70E-09
841 490186.72, 3860685.12	1.12E-02	3.53E-06	1.03E-06	1.60E-04	5.05E-08	1.47E-08	1.12E-02	3.54E-06	1.03E-06	1.85E-04	5.83E-08	1.70E-08	1.17E-02	3.70E-06	1.07E-06	8.46E-05	2.67E-08	7.76E-09
842 490236.72, 3860685.12	1.09E-02	3.45E-06	1.00E-06	1.60E-04	5.04E-08	1.47E-08	1.10E-02	3.46E-06	1.01E-06	1.85E-04	5.83E-08	1.69E-08	1.14E-02	3.61E-06	1.05E-06	8.44E-05	2.67E-08	7.75E-09
843 490286.72, 3860685.12	1.07E-02	3.36E-06	9.79E-07	1.59E-04	5.03E-08	1.46E-08	1.07E-02	3.37E-06	9.81E-07	1.84E-04	5.82E-08	1.69E-08	1.12E-02	3.52E-06	1.02E-06	8.43E-05	2.66E-08	7.74E-09
844 490336.72, 3860685.12	1.04E-02	3.30E-06	9.59E-07	1.61E-04	5.07E-08	1.47E-08	1.05E-02	3.30E-06	9.61E-07	1.86E-04	5.86E-08	1.70E-08	1.09E-02	3.45E-06	1.00E-06	8.48E-05	2.68E-08	7.79E-09
845 490386.72, 3860685.12	1.02E-02	3.23E-06	9.39E-07	1.61E-04	5.09E-08	1.48E-08	1.03E-02	3.24E-06	9.42E-07	1.86E-04	5.89E-08	1.71E-08	1.07E-02	3.38E-06	9.82E-07	8.52E-05	2.69E-08	7.83E-09
846 490436.72, 3860685.12	1.00E-02	3.16E-06	9.19E-07	1.62E-04	5.11E-08	1.49E-08	1.00E-02	3.17E-06	9.22E-07	1.87E-04	5.91E-08	1.72E-08	1.05E-02	3.30E-06	9.61E-07	8.56E-05	2.70E-08	7.86E-09
847 490486.72, 3860685.12	9.81E-03	3.10E-06	9.01E-07	1.63E-04	5.13E-08	1.49E-08	9.84E-03	3.10E-06	9.03E-07	1.88E-04	5.93E-08	1.72E-08	1.03E-02	3.24E-06	9.41E-07	8.58E-05	2.71E-08	7.88E-09
848 490536.72, 3860685.12	9.62E-03	3.04E-06	8.84E-07	1.63E-04	5.15E-08	1.50E-08	9.65E-03	3.05E-06	8.86E-07	1.89E-04	5.96E-08	1.73E-08	1.01E-02	3.17E-06	9.23E-07	8.62E-05	2.72E-08	7.91E-09
849 490586.72, 3860685.12	9.45E-03	2.98E-06	8.67E-07	1.64E-04	5.17E-08	1.50E-08	9.47E-03	2.99E-06	8.70E-07	1.89E-04	5.98E-08	1.74E-08	9.87E-03	3.11E-06	9.06E-07	8.65E-05	2.73E-08	7.94E-09
850 490636.72, 3860685.12	9.28E-03	2.93E-06	8.52E-07	1.64E-04	5.19E-08	1.51E-08	9.30E-03	2.94E-06	8.54E-07	1.90E-04	6.00E-08	1.74E-08	9.69E-03	3.06E-06	8.89E-07	8.68E-05	2.74E-08	7.96E-09
851 490686.72, 3860685.12	9.12E-03	2.88E-06	8.37E-07	1.65E-04	5.20E-08	1.51E-08	9.14E-03	2.89E-06	8.39E-07	1.90E-04	6.01E-08	1.75E-08	9.52E-03	3.00E-06	8.74E-07	8.69E-05	2.74E-08	7.98E-09
852 490736.72, 3860685.12	8.95E-03	2.83E-06	8.22E-07	1.65E-04	5.20E-08	1.51E-08	8.98E-03	2.83E-06	8.24E-07	1.90E-04	6.00E-08	1.75E-08	9.34E-03	2.95E-06	8.58E-07	8.69E-05	2.74E-08	7.97E-09
853 490786.72, 3860685.12	8.81E-03	2.78E-06	8.08E-07	1.65E-04	5.20E-08	1.51E-08	8.83E-03	2.79E-06	8.11E-07	1.90E-04	6.01E-08	1.75E-08	9.19E-03	2.90E-06	8.44E-07	8.69E-05	2.74E-08	7.97E-09
854 490136.72, 3860735.12	1.07E-02	3.37E-06	9.82E-07	1.54E-04	4.86E-08	1.41E-08	1.07E-02	3.38E-06	9.84E-07	1.78E-04	5.62E-08	1.63E-08	1.12E-02	3.53E-06	1.03E-06	8.14E-05	2.57E-08	7.47E-09

855 490186.72, 3860735.12	1.05E-02	3.30E-06	9.60E-07	1.54E-04	4.87E-08	1.42E-08	1.05E-02	3.31E-06	9.63E-07	1.78E-04	5.63E-08	1.64E-08	1.09E-02	3.45E-06	1.00E-06	8.15E-05	2.57E-08	7.48E-09
856 490236.72, 3860735.12	1.02E-02	3.23E-06	9.41E-07	1.55E-04	4.89E-08	1.42E-08	1.03E-02	3.24E-06	9.43E-07	1.79E-04	5.65E-08	1.64E-08	1.07E-02	3.38E-06	9.84E-07	8.18E-05	2.58E-08	7.51E-09
857 490286.72, 3860735.12	1.00E-02	3.17E-06	9.22E-07	1.56E-04	4.91E-08	1.43E-08	1.01E-02	3.18E-06	9.24E-07	1.80E-04	5.67E-08	1.65E-08	1.05E-02	3.31E-06	9.64E-07	8.21E-05	2.59E-08	7.54E-09
858 490336.72, 3860735.12	9.85E-03	3.11E-06	9.04E-07	1.56E-04	4.93E-08	1.43E-08	9.87E-03	3.12E-06	9.07E-07	1.81E-04	5.70E-08	1.66E-08	1.03E-02	3.25E-06	9.45E-07	8.25E-05	2.60E-08	7.57E-09
859 490386.72, 3860735.12	9.67E-03	3.05E-06	8.88E-07	1.57E-04	4.96E-08	1.44E-08	9.69E-03	3.06E-06	8.90E-07	1.82E-04	5.73E-08	1.67E-08	1.01E-02	3.19E-06	9.28E-07	8.30E-05	2.62E-08	7.62E-09
860 490436.72, 3860735.12	9.51E-03	3.00E-06	8.73E-07	1.58E-04	5.00E-08	1.45E-08	9.53E-03	3.01E-06	8.75E-07	1.83E-04	5.78E-08	1.68E-08	9.93E-03	3.14E-06	9.12E-07	8.36E-05	2.64E-08	7.68E-09
861 490486.72, 3860735.12	9.32E-03	2.94E-06	8.56E-07	1.59E-04	5.02E-08	1.46E-08	9.35E-03	2.95E-06	8.58E-07	1.84E-04	5.80E-08	1.69E-08	9.74E-03	3.07E-06	8.94E-07	8.39E-05	2.65E-08	7.70E-09
862 490536.72, 3860735.12	9.14E-03	2.88E-06	8.39E-07	1.59E-04	5.02E-08	1.46E-08	9.16E-03	2.89E-06	8.41E-07	1.84E-04	5.81E-08	1.69E-08	9.54E-03	3.01E-06	8.76E-07	8.40E-05	2.65E-08	7.71E-09
863 490586.72, 3860735.12	8.97E-03	2.83E-06	8.24E-07	1.60E-04	5.04E-08	1.47E-08	9.00E-03	2.84E-06	8.26E-07	1.85E-04	5.83E-08	1.70E-08	9.37E-03	2.96E-06	8.60E-07	8.43E-05	2.66E-08	7.74E-09
864 490636.72, 3860735.12	8.82E-03	2.78E-06	8.10E-07	1.60E-04	5.06E-08	1.47E-08	8.85E-03	2.79E-06	8.12E-07	1.85E-04	5.85E-08	1.70E-08	9.21E-03	2.91E-06	8.46E-07	8.46E-05	2.67E-08	7.76E-09
865 490686.72, 3860735.12	8.69E-03	2.74E-06	7.97E-07	1.61E-04	5.08E-08	1.48E-08	8.71E-03	2.75E-06	8.00E-07	1.86E-04	5.87E-08	1.71E-08	9.07E-03	2.86E-06	8.32E-07	8.49E-05	2.68E-08	7.79E-09
866 490736.72, 3860735.12	8.55E-03	2.70E-06	7.85E-07	1.61E-04	5.10E-08	1.48E-08	8.58E-03	2.71E-06	7.88E-07	1.87E-04	5.89E-08	1.71E-08	8.93E-03	2.82E-06	8.19E-07	8.51E-05	2.69E-08	7.82E-09
867 490136.72, 3860785.12	9.95E-03	3.14E-06	9.13E-07	1.50E-04	4.73E-08	1.38E-08	9.97E-03	3.15E-06	9.16E-07	1.73E-04	5.47E-08	1.59E-08	1.04E-02	3.28E-06	9.55E-07	7.92E-05	2.50E-08	7.27E-09
868 490186.72, 3860785.12	9.77E-03	3.08E-06	8.97E-07	1.50E-04	4.75E-08	1.38E-08	9.79E-03	3.09E-06	8.99E-07	1.74E-04	5.48E-08	1.60E-08	1.02E-02	3.22E-06	9.38E-07	7.94E-05	2.51E-08	7.29E-09
869 490236.72, 3860785.12	9.59E-03	3.03E-06	8.81E-07	1.51E-04	4.76E-08	1.38E-08	9.62E-03	3.04E-06	8.83E-07	1.74E-04	5.50E-08	1.60E-08	1.00E-02	3.17E-06	9.21E-07	7.96E-05	2.51E-08	7.31E-09
870 490286.72, 3860785.12	9.42E-03	2.97E-06	8.65E-07	1.51E-04	4.78E-08	1.39E-08	9.45E-03	2.98E-06	8.68E-07	1.75E-04	5.52E-08	1.61E-08	9.85E-03	3.11E-06	9.04E-07	7.99E-05	2.52E-08	7.34E-09
871 490336.72, 3860785.12	9.26E-03	2.92E-06	8.50E-07	1.52E-04	4.80E-08	1.40E-08	9.29E-03	2.93E-06	8.52E-07	1.76E-04	5.55E-08	1.61E-08	9.68E-03	3.05E-06	8.88E-07	8.03E-05	2.53E-08	7.37E-09
872 490386.72, 3860785.12	9.12E-03	2.88E-06	8.37E-07	1.53E-04	4.83E-08	1.41E-08	9.14E-03	2.89E-06	8.39E-07	1.77E-04	5.59E-08	1.62E-08	9.53E-03	3.01E-06	8.75E-07	8.08E-05	2.55E-08	7.42E-09
873 490436.72, 3860785.12	8.96E-03	2.83E-06	8.23E-07	1.54E-04	4.86E-08	1.41E-08	8.99E-03	2.84E-06	8.25E-07	1.78E-04	5.61E-08	1.63E-08	9.36E-03	2.96E-06	8.60E-07	8.12E-05	2.56E-08	7.45E-09
874 490486.72, 3860785.12	8.83E-03	2.79E-06	8.10E-07	1.55E-04	4.89E-08	1.42E-08	8.85E-03	2.79E-06	8.13E-07	1.79E-04	5.65E-08	1.64E-08	9.22E-03	2.91E-06	8.46E-07	8.17E-05	2.58E-08	7.50E-09
875 490536.72, 3860785.12	8.67E-03	2.74E-06	7.96E-07	1.55E-04	4.91E-08	1.43E-08	8.70E-03	2.75E-06	7.99E-07	1.80E-04	5.67E-08	1.65E-08	9.06E-03	2.86E-06	8.31E-07	8.20E-05	2.59E-08	7.53E-09
876 490586.72, 3860785.12	8.51E-03	2.69E-06	7.81E-07	1.56E-04	4.92E-08	1.43E-08	8.54E-03	2.70E-06	7.84E-07	1.80E-04	5.68E-08	1.65E-08	8.89E-03	2.80E-06	8.16E-07	8.21E-05	2.59E-08	7.54E-09
877 490636.72, 3860785.12	8.38E-03	2.64E-06	7.69E-07	1.56E-04	4.93E-08	1.44E-08	8.40E-03	2.65E-06	7.71E-07	1.81E-04	5.70E-08	1.66E-08	8.74E-03	2.76E-06	8.03E-07	8.24E-05	2.60E-08	7.57E-09
878 490686.72, 3860785.12	8.25E-03	2.60E-06	7.58E-07	1.57E-04	4.95E-08	1.44E-08	8.28E-03	2.61E-06	7.60E-07	1.81E-04	5.73E-08	1.67E-08	8.61E-03	2.72E-06	7.91E-07	8.28E-05	2.61E-08	7.60E-09
879 490736.72, 3860785.12	8.14E-03	2.57E-06	7.47E-07	1.58E-04	4.98E-08	1.45E-08	8.17E-03	2.58E-06	7.50E-07	1.82E-04	5.75E-08	1.67E-08	8.49E-03	2.68E-06	7.80E-07	8.31E-05	2.62E-08	7.63E-09
880 490086.72, 3860835.12	9.40E-03	2.97E-06	8.63E-07	1.46E-04	4.62E-08	1.34E-08	9.42E-03	2.97E-06	8.65E-07	1.69E-04	5.34E-08	1.55E-08	9.83E-03	3.10E-06	9.02E-07	7.72E-05	2.44E-08	7.09E-09
881 490136.72, 3860835.12	9.27E-03	2.92E-06	8.51E-07	1.47E-04	4.63E-08	1.35E-08	9.29E-03	2.93E-06	8.53E-07	1.70E-04	5.35E-08	1.56E-08	9.69E-03	3.06E-06	8.89E-07	7.74E-05	2.44E-08	7.11E-09
882 490186.72, 3860835.12	9.11E-03	2.88E-06	8.37E-07	1.47E-04	4.64E-08	1.35E-08	9.14E-03	2.88E-06	8.39E-07	1.70E-04	5.36E-08	1.56E-08	9.53E-03	3.01E-06	8.75E-07	7.75E-05	2.45E-08	7.12E-09
883 490236.72, 3860835.12	8.97E-03	2.83E-06	8.23E-07	1.47E-04	4.65E-08	1.35E-08	8.99E-03	2.84E-06	8.26E-07	1.70E-04	5.37E-08	1.56E-08	9.37E-03	2.96E-06	8.61E-07	7.77E-05	2.45E-08	7.13E-09
884 490286.72, 3860835.12	8.83E-03	2.79E-06	8.11E-07	1.48E-04	4.66E-08	1.36E-08	8.86E-03	2.80E-06	8.13E-07	1.71E-04	5.39E-08	1.57E-08	9.23E-03	2.91E-06	8.48E-07	7.79E-05	2.46E-08	7.15E-09
885 490336.72, 3860835.12	8.70E-03	2.74E-06	7.98E-07	1.48E-04	4.68E-08	1.36E-08	8.72E-03	2.75E-06	8.01E-07	1.71E-04	5.41E-08	1.57E-08	9.08E-03	2.87E-06	8.34E-07	7.82E-05	2.47E-08	7.18E-09
886 490386.72, 3860835.12	8.56E-03	2.70E-06	7.86E-07	1.49E-04	4.70E-08	1.37E-08	8.59E-03	2.71E-06	7.88E-07	1.72E-04	5.43E-08	1.58E-08	8.94E-03	2.82E-06	8.21E-07	7.85E-05	2.48E-08	7.21E-09
887 490436.72, 3860835.12	8.44E-03	2.67E-06	7.75E-07	1.50E-04	4.73E-08	1.38E-08	8.47E-03	2.67E-06	7.78E-07	1.73E-04	5.47E-08	1.59E-08	8.82E-03	2.78E-06	8.10E-07	7.90E-05	2.49E-08	7.25E-09
888 490486.72, 3860835.12	8.32E-03	2.63E-06	7.64E-07	1.51E-04	4.76E-08	1.38E-08	8.35E-03	2.64E-06	7.67E-07	1.74E-04	5.50E-08	1.60E-08	8.69E-03	2.74E-06	7.98E-07	7.95E-05	2.51E-08	7.29E-09
889 490536.72, 3860835.12	8.20E-03	2.59E-06	7.53E-07	1.51E-04	4.78E-08	1.39E-08	8.23E-03	2.60E-06	7.55E-07	1.75E-04	5.53E-08	1.61E-08	8.56E-03	2.70E-06	7.86E-07	7.98E-05	2.52E-08	7.33E-09
890 490586.72, 3860835.12	8.07E-03	2.55E-06	7.41E-07	1.52E-04	4.80E-08	1.40E-08	8.10E-03	2.56E-06	7.43E-07	1.76E-04	5.55E-08	1.61E-08	8.42E-03	2.66E-06	7.73E-07	8.01E-05	2.53E-08	7.36E-09
891 490636.72, 3860835.12	7.95E-03	2.51E-06	7.30E-07	1.53E-04	4.82E-08	1.40E-08	7.97E-03	2.52E-06	7.32E-07	1.76E-04	5.57E-08	1.62E-08	8.29E-03	2.62E-06	7.61E-07	8.04E-05	2.54E-08	7.38E-09
892 490686.72, 3860835.12	7.84E-03	2.47E-06	7.20E-07	1.53E-04	4.84E-08	1.41E-08	7.86E-03	2.48E-06	7.22E-07	1.77E-04	5.59E-08	1.63E-08	8.18E-03	2.58E-06	7.51E-07	8.08E-05	2.55E-08	7.41E-09
893 490736.72, 3860835.12	7.74E-03	2.44E-06	7.11E-07	1.54E-04	4.86E-08	1.41E-08	7.77E-03	2.45E-06	7.13E-07	1.78E-04	5.62E-08	1.63E-08	8.07E-03	2.55E-06	7.41E-07	8.12E-05	2.56E-08	7.45E-09
894 490086.72, 3860885.12	8.72E-03	2.75E-06	8.01E-07	1.43E-04	4.52E-08	1.32E-08	8.75E-03	2.76E-06	8.03E-07	1.66E-04	5.23E-08	1.52E-08	9.12E-03	2.88E-06	8.37E-07	7.56E-05	2.39E-08	6.94E-09
895 490136.72, 3860885.12	8.61E-03	2.72E-06	7.91E-07	1.43E-04	4.53E-08	1.32E-08	8.64E-03	2.73E-06	7.93E-07	1.66E-04	5.23E-08	1.52E-08	9.00E-03	2.84E-06	8.26E-07	7.57E-05	2.39E-08	6.95E-09
896 490186.72, 3860885.12	8.50E-03	2.68E-06	7.80E-07	1.44E-04	4.53E-08	1.32E-08	8.52E-03	2.69E-06	7.82E-07	1.66E-04	5.24E-08	1.52E-08	8.88E-03	2.80E-06	8.15E-07	7.58E-05	2.39E-08	6.96E-09
897 490236.72, 3860885.12	8.38E-03	2.65E-06	7.70E-07	1.44E-04	4.54E-08	1.32E-08	8.41E-03	2.65E-06	7.72E-07	1.66E-04	5.25E-08	1.53E-08	8.76E-03	2.76E-06	8.04E-07	7.59E-05	2.40E-08	6.97E-09
898 490286.72, 3860885.12	8.27E-03	2.61E-06	7.59E-07	1.44E-04	4.55E-08	1.32E-08	8.30E-03	2.62E-06	7.62E-07	1.67E-04	5.26E-08	1.53E-08	8.64E-03	2.73E-06	7.93E-07	7.61E-05	2.40E-08	6.98E-09
899 490336.72, 3860885.12	8.16E-03	2.57E-06	7.49E-07	1.45E-04	4.56E-08	1.33E-08	8.18E-03	2.58E-06	7.51E-07	1.67E-04	5.28E-08	1.53E-08	8.52E-03	2.69E-06	7.82E-07	7.62E-05	2.41E-08	7.00E-09
900 490386.72, 3860885.12	8.05E-03	2.54E-06	7.39E-07	1.45E-04	4.59E-08	1.33E-08	8.08E-03	2.55E-06	7.41E-07	1.68E-04	5.30E-08	1.54E-08	8.41E-03	2.65E-06	7.72E-07	7.66E-05	2.42E-08	7.03E-09
901 490436.72, 3860885.12	7.95E-03	2.51E-06	7.30E-07	1.46E-04	4.61E-08	1.34E-08	7.98E-03	2.52E-06	7.32E-07	1.69E-04	5.33E-08	1.55E-08	8.30E-03	2.62E-06	7.62E-07	7.70E-05	2.43E-08	7.07E-09
902 490486.72, 3860885.12	7.85E-03	2.48E-06	7.21E-07	1.47E-04	4.63E-08	1.35E-08	7.87E-03	2.49E-06	7.23E-07	1.70E-04	5.36E-08	1.56E-08	8.19E-03	2.59E-06	7.52E-07	7.74E-05	2.44E-08	7.10E-09
903 490536.72, 3860885.12	7.74E-03	2.44E-06	7.11E-07	1.48E-04	4.66E-08	1.35E-08	7.77E-03	2.45E-06	7.13E-07	1.71E-04	5.38E-08	1.57E-08	8.08E-03	2.55E-06	7.42E-07	7.78E-05	2.45E-08	7.14E-09
904 490586.72, 3860885.12	7.64E-03	2.41E-06	7.01E-07	1.48E-04	4.68E-08	1.36E-08	7.66E-03	2.42E-06	7.03E-07	1.71E-04	5.41E-08	1.57E-08	7.97E-03	2.51E-06	7.32E-07	7.81E-05	2.47E-08	7.17E-09
905 490636.72, 3860885.12	7.53E-03	2.38E-06	6.91E-07	1.49E-04	4.70E-08	1.37E-08	7.56E-03	2.39E-06	6.94E-07	1.72E-04	5.43E-08	1.58E-08	7.86E-03	2.48E-06	7.21E-07	7.84E-05	2.47E-08	7.20E-09
906 490686.72, 3860885.12	7.43E-03	2.35E-06	6.82E-07	1.50E-04	4.72E-08	1.37E-08	7.46E-03	2.35E-06	6.85E-07	1.73E-04	5.45E-08	1.59E-08	7.75E-03	2.45E-06	7.12E-07	7.88E-05	2.49E-08	7.23E-09
907 490736.72, 3860885.12	7.34E-03	2.32E-06	6.74E-07	1.50E-04	4.74E-08	1.38E-08	7.37E-03	2.32E-06	6.76E-07	1.74E-04	5.48E-08	1.59E-08	7.65E-03	2.42E-06	7.03E-07	7.91E-05	2.50E-08	7.26E-09
908 490086.72, 3860935.12	8.08E-03	2.55E-06	7.42E-07	1.40E-04	4.43E-08	1.29E-08	8.11E-03	2.56E-06	7.44E-07	1.62E-04	5.12E-08	1.49E-08	8.44E-03	2.67E-06	7.75E-07	7.39E-05	2.33E-08	6.79E-09
909 490136.72, 3860935.12	7.99E-03	2.52E-06	7.34E-07	1.40E-04	4.43E-08	1.29E-08	8.01E-03	2.53E-06	7.36E-07	1.62E-04	5.12E-08	1.49E-08	8.35E-03	2.63E-06	7.66E-07	7.39E-05	2.33E-08	6.79E-09
910 490186.72, 3860935.12	7.91E-03	2.50E-06	7.26E-07	1.40E-04	4.43E-08	1.29E-08	7.94E-03	2.50E-06	7.28E-07	1.62E-04	5.12E-08	1.49E-08	8.26E-03	2.61E-06	7.59E-07	7.40E-05	2.34E-08	6.80E-09
911 490236.72, 3860935.12	7.83E-03	2.47E-06	7.19E-07	1.41E-04	4.44E-08	1.29E-08	7.85E-03	2.48E-06	7.21E-07	1.63E-04	5.13E-08	1.49E-08	8.17E-03	2.58E-06	7.50E-07	7.42E-05	2.34E-08	6.81E-09
912 490286.72, 3860935.12	7.74E-03	2.44E-06	7.11E-07	1.41E-04	4.45E-08	1.29E-08	7.77E-03	2.45E-06	7.13E-07	1.63E-04	5.15E-08	1.50E-08	8.09E-03	2.55E-06	7.42E-07	7.43E-05	2.35E-08	6.83E-09
913 490336.72, 3860935.12	7.65E-03	2.41E-06	7.02E-07	1.41E-04	4.46E-08	1.30E-08	7.67E-03	2.42E-06	7.04E-07	1.63E-04	5.16E-08	1.50E-08	7.99E-03	2.52E-06	7.33E-07	7.45E-05	2.35E-08	6.84E-09
914 490386.72, 3860935.12	7.57E-03	2.39E-06	6.95E-07	1.42E-04	4.48E-08	1.30E-08	7.59E-03	2.40E-06	6.97E-07	1.64E-04	5.18E-08	1.51E-08	7.90E-03	2.49E-06	7.25E-07	7.48E-05	2.36E-08	6.87E-09
915 490436.72, 3860935.12	7.49E-03	2.36E-06	6.87E-07	1.43E-04	4.50E-08	1.31E-08	7.51E-03	2.37E-06	6.90E-07	1.65E-04	5.20E-08	1.51E-08	7.81E-03	2.47E-06	7.17E-07	7.51E-05	2.37E-08	6.90E-09
916 490486.72, 3860935.12	7.40E-03	2.33E-06	6.79E-07	1.43E-04	4.52E-08	1.31E-08	7.42E-03	2.34E-06	6.81E-07	1.66E-04	5.22E-08	1.52E-08	7.72E-03	2.44E-06	7.09E-07	7.54E-05	2.38E-08	6.93E-09
917 490536.72, 3860935.12	7.31E-03	2.31E-06	6.71E-07	1.44E-04	4.54E-08	1.32E-08	7.34E-03	2.32E-06	6.74E-07	1.66E-04	5.25E-08	1.53E-08	7.63E-03	2.41E-06	7.00E-07	7.58E-05	2.39E-08	6.96E-09
918 490586.72, 3860935.12	7.22E-03	2.28E-06	6.63E-07	1.45E-04	4.56E-08	1.33E-08	7.25E-03	2.29E-06	6.65E-07	1.67E-04	5.27E-08	1.53E-08	7.53E-03	2.38E-06	6.91E-07	7.61E-05	2.40E-08	6.99E-09
919 490636.72, 3860935.12	7.13E-03	2.25E-06	6.55E-07	1.45E-04	4.58E-08	1.33E-08	7.16E-03	2.26E-06	6.57E-07	1.68E-04	5.30E-08	1.54E-08	7.44E-03	2.35E-06	6.83E-07	7.65E-05	2.41E-08	7.02E-09
920 490686.72, 3860935.12	7.05E-03	2.22E-06	6.47E-07	1.46E-04	4.60E-08	1.34E-08	7.07E-03	2.23E-06	6.49E-07	1.69E-04	5.32E-08	1.55E-08	7.35E-03	2.32E-06	6.74E-07	7.68E-05	2.42E-08	7.05E-09

921 490736.72, 3860935.12	6.96E-03	2.20E-06	6.39E-07	1.47E-04	4.62E-08	1.35E-08	6.99E-03	2.21E-06	6.42E-07	1.69E-04	5.35E-08	1.56E-08	7.26E-03	2.29E-06	6.66E-07	7.72E-05	2.44E-08	7.08E-09
922 490786.72, 3860935.12	6.89E-03	2.17E-06	6.32E-07	1.47E-04	4.65E-08	1.35E-08	6.91E-03	2.18E-06	6.34E-07	1.70E-04	5.37E-08	1.56E-08	7.17E-03	2.26E-06	6.59E-07	7.75E-05	2.45E-08	7.11E-09
923 490836.72, 3860935.12	6.82E-03	2.15E-06	6.26E-07	1.48E-04	4.67E-08	1.36E-08	6.84E-03	2.16E-06	6.28E-07	1.71E-04	5.40E-08	1.57E-08	7.10E-03	2.24E-06	6.52E-07	7.79E-05	2.46E-08	7.15E-09
924 490086.72, 3860985.12	7.51E-03	2.37E-06	6.89E-07	1.38E-04	4.34E-08	1.26E-08	7.53E-03	2.38E-06	6.91E-07	1.59E-04	5.02E-08	1.46E-08	7.84E-03	2.47E-06	7.19E-07	7.25E-05	2.29E-08	6.65E-09
925 490136.72, 3860985.12	7.44E-03	2.35E-06	6.83E-07	1.38E-04	4.34E-08	1.26E-08	7.47E-03	2.36E-06	6.85E-07	1.59E-04	5.02E-08	1.46E-08	7.77E-03	2.45E-06	7.13E-07	7.25E-05	2.29E-08	6.65E-09
926 490186.72, 3860985.12	7.39E-03	2.33E-06	6.78E-07	1.38E-04	4.35E-08	1.26E-08	7.41E-03	2.34E-06	6.80E-07	1.59E-04	5.03E-08	1.46E-08	7.71E-03	2.43E-06	7.08E-07	7.26E-05	2.29E-08	6.66E-09
927 490236.72, 3860985.12	7.31E-03	2.31E-06	6.71E-07	1.38E-04	4.35E-08	1.26E-08	7.34E-03	2.32E-06	6.73E-07	1.59E-04	5.03E-08	1.46E-08	7.63E-03	2.41E-06	7.01E-07	7.26E-05	2.29E-08	6.66E-09
928 490286.72, 3860985.12	7.24E-03	2.29E-06	6.65E-07	1.38E-04	4.35E-08	1.27E-08	7.27E-03	2.29E-06	6.67E-07	1.59E-04	5.03E-08	1.46E-08	7.56E-03	2.39E-06	6.94E-07	7.27E-05	2.29E-08	6.67E-09
929 490336.72, 3860985.12	7.17E-03	2.26E-06	6.59E-07	1.38E-04	4.36E-08	1.27E-08	7.20E-03	2.27E-06	6.61E-07	1.60E-04	5.04E-08	1.47E-08	7.49E-03	2.36E-06	6.87E-07	7.28E-05	2.30E-08	6.69E-09
930 490386.72, 3860985.12	7.11E-03	2.24E-06	6.52E-07	1.39E-04	4.38E-08	1.27E-08	7.13E-03	2.25E-06	6.55E-07	1.60E-04	5.06E-08	1.47E-08	7.41E-03	2.34E-06	6.81E-07	7.30E-05	2.31E-08	6.71E-09
931 490436.72, 3860985.12	7.05E-03	2.22E-06	6.47E-07	1.39E-04	4.40E-08	1.28E-08	7.07E-03	2.23E-06	6.49E-07	1.61E-04	5.08E-08	1.48E-08	7.35E-03	2.32E-06	6.75E-07	7.34E-05	2.32E-08	6.74E-09
932 490486.72, 3860985.12	6.97E-03	2.20E-06	6.40E-07	1.40E-04	4.41E-08	1.28E-08	7.00E-03	2.21E-06	6.42E-07	1.62E-04	5.10E-08	1.48E-08	7.27E-03	2.30E-06	6.68E-07	7.36E-05	2.32E-08	6.76E-09
933 490536.72, 3860985.12	6.90E-03	2.18E-06	6.33E-07	1.40E-04	4.43E-08	1.29E-08	6.92E-03	2.18E-06	6.35E-07	1.62E-04	5.12E-08	1.49E-08	7.19E-03	2.27E-06	6.60E-07	7.39E-05	2.33E-08	6.79E-09
934 490586.72, 3860985.12	6.82E-03	2.15E-06	6.26E-07	1.41E-04	4.45E-08	1.29E-08	6.85E-03	2.16E-06	6.29E-07	1.63E-04	5.14E-08	1.50E-08	7.11E-03	2.24E-06	6.53E-07	7.42E-05	2.34E-08	6.82E-09
935 490636.72, 3860985.12	6.75E-03	2.13E-06	6.20E-07	1.42E-04	4.47E-08	1.30E-08	6.78E-03	2.14E-06	6.22E-07	1.64E-04	5.17E-08	1.50E-08	7.04E-03	2.22E-06	6.46E-07	7.46E-05	2.35E-08	6.85E-09
936 490686.72, 3860985.12	6.68E-03	2.11E-06	6.13E-07	1.42E-04	4.49E-08	1.31E-08	6.70E-03	2.12E-06	6.15E-07	1.65E-04	5.19E-08	1.51E-08	6.96E-03	2.20E-06	6.39E-07	7.49E-05	2.37E-08	6.88E-09
937 490736.72, 3860985.12	6.60E-03	2.08E-06	6.06E-07	1.43E-04	4.51E-08	1.31E-08	6.63E-03	2.09E-06	6.08E-07	1.65E-04	5.22E-08	1.52E-08	6.88E-03	2.17E-06	6.32E-07	7.53E-05	2.38E-08	6.91E-09
938 490786.72, 3860985.12	6.54E-03	2.06E-06	6.00E-07	1.44E-04	4.54E-08	1.32E-08	6.56E-03	2.07E-06	6.02E-07	1.66E-04	5.24E-08	1.53E-08	6.81E-03	2.15E-06	6.25E-07	7.56E-05	2.39E-08	6.94E-09
939 490836.72, 3860985.12	6.48E-03	2.04E-06	5.94E-07	1.44E-04	4.56E-08	1.33E-08	6.50E-03	2.05E-06	5.97E-07	1.67E-04	5.27E-08	1.53E-08	6.74E-03	2.13E-06	6.19E-07	7.60E-05	2.40E-08	6.98E-09
940 490086.72, 3861035.12	6.98E-03	2.20E-06	6.40E-07	1.35E-04	4.26E-08	1.24E-08	7.00E-03	2.21E-06	6.43E-07	1.56E-04	4.92E-08	1.43E-08	7.28E-03	2.30E-06	6.68E-07	7.10E-05	2.24E-08	6.52E-09
941 490136.72, 3861035.12	6.93E-03	2.19E-06	6.37E-07	1.35E-04	4.26E-08	1.24E-08	6.96E-03	2.20E-06	6.39E-07	1.56E-04	4.92E-08	1.43E-08	7.23E-03	2.28E-06	6.64E-07	7.11E-05	2.24E-08	6.52E-09
942 490186.72, 3861035.12	6.89E-03	2.17E-06	6.32E-07	1.35E-04	4.26E-08	1.24E-08	6.91E-03	2.18E-06	6.34E-07	1.56E-04	4.92E-08	1.43E-08	7.18E-03	2.27E-06	6.59E-07	7.11E-05	2.24E-08	6.53E-09
943 490236.72, 3861035.12	6.84E-03	2.16E-06	6.28E-07	1.35E-04	4.26E-08	1.24E-08	6.86E-03	2.17E-06	6.30E-07	1.56E-04	4.93E-08	1.43E-08	7.13E-03	2.25E-06	6.55E-07	7.12E-05	2.25E-08	6.53E-09
944 490286.72, 3861035.12	6.78E-03	2.14E-06	6.23E-07	1.35E-04	4.26E-08	1.24E-08	6.81E-03	2.15E-06	6.25E-07	1.56E-04	4.93E-08	1.43E-08	7.07E-03	2.23E-06	6.49E-07	7.12E-05	2.25E-08	6.53E-09
945 490336.72, 3861035.12	6.73E-03	2.12E-06	6.17E-07	1.35E-04	4.27E-08	1.24E-08	6.75E-03	2.13E-06	6.20E-07	1.56E-04	4.93E-08	1.44E-08	7.01E-03	2.21E-06	6.44E-07	7.12E-05	2.25E-08	6.54E-09
946 490386.72, 3861035.12	6.68E-03	2.11E-06	6.13E-07	1.36E-04	4.28E-08	1.25E-08	6.70E-03	2.12E-06	6.16E-07	1.57E-04	4.95E-08	1.44E-08	6.97E-03	2.20E-06	6.40E-07	7.15E-05	2.26E-08	6.56E-09
947 490436.72, 3861035.12	6.63E-03	2.09E-06	6.09E-07	1.36E-04	4.30E-08	1.25E-08	6.66E-03	2.10E-06	6.11E-07	1.57E-04	4.97E-08	1.45E-08	6.92E-03	2.18E-06	6.35E-07	7.17E-05	2.26E-08	6.59E-09
948 490486.72, 3861035.12	6.58E-03	2.08E-06	6.04E-07	1.37E-04	4.31E-08	1.26E-08	6.60E-03	2.08E-06	6.06E-07	1.58E-04	4.99E-08	1.45E-08	6.86E-03	2.16E-06	6.29E-07	7.20E-05	2.27E-08	6.61E-09
949 490536.72, 3861035.12	6.52E-03	2.06E-06	5.98E-07	1.37E-04	4.33E-08	1.26E-08	6.54E-03	2.06E-06	6.00E-07	1.59E-04	5.00E-08	1.46E-08	6.79E-03	2.14E-06	6.23E-07	7.22E-05	2.28E-08	6.63E-09
950 490586.72, 3861035.12	6.45E-03	2.04E-06	5.92E-07	1.38E-04	4.35E-08	1.26E-08	6.47E-03	2.04E-06	5.94E-07	1.59E-04	5.02E-08	1.46E-08	6.72E-03	2.12E-06	6.17E-07	7.25E-05	2.29E-08	6.65E-09
951 490636.72, 3861035.12	6.39E-03	2.02E-06	5.86E-07	1.38E-04	4.36E-08	1.27E-08	6.41E-03	2.02E-06	5.89E-07	1.60E-04	5.05E-08	1.47E-08	6.65E-03	2.10E-06	6.11E-07	7.28E-05	2.30E-08	6.68E-09
952 490686.72, 3861035.12	6.32E-03	2.00E-06	5.81E-07	1.39E-04	4.38E-08	1.28E-08	6.35E-03	2.00E-06	5.83E-07	1.61E-04	5.07E-08	1.47E-08	6.59E-03	2.08E-06	6.05E-07	7.31E-05	2.31E-08	6.71E-09
953 490736.72, 3861035.12	6.26E-03	1.98E-06	5.75E-07	1.40E-04	4.40E-08	1.28E-08	6.29E-03	1.98E-06	5.77E-07	1.61E-04	5.09E-08	1.48E-08	6.52E-03	2.06E-06	5.99E-07	7.34E-05	2.32E-08	6.74E-09
954 490786.72, 3861035.12	6.21E-03	1.96E-06	5.70E-07	1.40E-04	4.43E-08	1.29E-08	6.23E-03	1.97E-06	5.72E-07	1.62E-04	5.12E-08	1.49E-08	6.46E-03	2.04E-06	5.93E-07	7.38E-05	2.33E-08	6.78E-09
955 490836.72, 3861035.12	6.15E-03	1.94E-06	5.65E-07	1.41E-04	4.45E-08	1.29E-08	6.18E-03	1.95E-06	5.67E-07	1.63E-04	5.15E-08	1.50E-08	6.40E-03	2.02E-06	5.88E-07	7.42E-05	2.34E-08	6.81E-09
956 490086.72, 3861085.12	6.50E-03	2.05E-06	5.96E-07	1.32E-04	4.18E-08	1.21E-08	6.52E-03	2.06E-06	5.99E-07	1.53E-04	4.83E-08	1.40E-08	6.77E-03	2.14E-06	6.22E-07	6.96E-05	2.20E-08	6.39E-09
957 490136.72, 3861085.12	6.47E-03	2.04E-06	5.94E-07	1.33E-04	4.18E-08	1.22E-08	6.50E-03	2.05E-06	5.96E-07	1.53E-04	4.84E-08	1.41E-08	6.75E-03	2.13E-06	6.20E-07	6.98E-05	2.20E-08	6.40E-09
958 490186.72, 3861085.12	6.45E-03	2.04E-06	5.92E-07	1.33E-04	4.19E-08	1.22E-08	6.47E-03	2.04E-06	5.94E-07	1.53E-04	4.84E-08	1.41E-08	6.73E-03	2.12E-06	6.17E-07	6.99E-05	2.21E-08	6.42E-09
959 490236.72, 3861085.12	6.41E-03	2.02E-06	5.88E-07	1.33E-04	4.19E-08	1.22E-08	6.43E-03	2.03E-06	5.90E-07	1.53E-04	4.84E-08	1.41E-08	6.68E-03	2.11E-06	6.13E-07	6.98E-05	2.20E-08	6.41E-09
960 490286.72, 3861085.12	6.36E-03	2.01E-06	5.84E-07	1.33E-04	4.19E-08	1.22E-08	6.39E-03	2.02E-06	5.86E-07	1.53E-04	4.84E-08	1.41E-08	6.63E-03	2.09E-06	6.09E-07	6.98E-05	2.20E-08	6.41E-09
961 490336.72, 3861085.12	6.32E-03	1.99E-06	5.80E-07	1.33E-04	4.19E-08	1.22E-08	6.34E-03	2.00E-06	5.82E-07	1.53E-04	4.84E-08	1.41E-08	6.59E-03	2.08E-06	6.05E-07	6.98E-05	2.20E-08	6.41E-09
962 490386.72, 3861085.12	6.29E-03	1.98E-06	5.77E-07	1.33E-04	4.20E-08	1.22E-08	6.31E-03	1.99E-06	5.79E-07	1.54E-04	4.85E-08	1.41E-08	6.55E-03	2.07E-06	6.01E-07	7.00E-05	2.21E-08	6.43E-09
963 490436.72, 3861085.12	6.24E-03	1.97E-06	5.73E-07	1.33E-04	4.21E-08	1.22E-08	6.27E-03	1.98E-06	5.75E-07	1.54E-04	4.86E-08	1.41E-08	6.51E-03	2.05E-06	5.97E-07	7.01E-05	2.21E-08	6.44E-09
964 490486.72, 3861085.12	6.20E-03	1.96E-06	5.69E-07	1.34E-04	4.22E-08	1.23E-08	6.22E-03	1.96E-06	5.71E-07	1.54E-04	4.88E-08	1.42E-08	6.46E-03	2.04E-06	5.93E-07	7.03E-05	2.22E-08	6.46E-09
965 490536.72, 3861085.12	6.16E-03	1.94E-06	5.65E-07	1.34E-04	4.23E-08	1.23E-08	6.18E-03	1.95E-06	5.67E-07	1.55E-04	4.90E-08	1.42E-08	6.41E-03	2.02E-06	5.89E-07	7.06E-05	2.23E-08	6.48E-09
966 490586.72, 3861085.12	6.10E-03	1.93E-06	5.60E-07	1.35E-04	4.25E-08	1.24E-08	6.13E-03	1.93E-06	5.62E-07	1.56E-04	4.91E-08	1.43E-08	6.36E-03	2.01E-06	5.84E-07	7.08E-05	2.24E-08	6.50E-09
967 490636.72, 3861085.12	6.04E-03	1.91E-06	5.55E-07	1.35E-04	4.26E-08	1.24E-08	6.07E-03	1.91E-06	5.57E-07	1.56E-04	4.92E-08	1.43E-08	6.29E-03	1.99E-06	5.78E-07	7.10E-05	2.24E-08	6.52E-09
968 490686.72, 3861085.12	5.99E-03	1.89E-06	5.50E-07	1.36E-04	4.28E-08	1.24E-08	6.01E-03	1.90E-06	5.52E-07	1.57E-04	4.95E-08	1.44E-08	6.24E-03	1.97E-06	5.73E-07	7.13E-05	2.25E-08	6.55E-09
969 490736.72, 3861085.12	5.94E-03	1.87E-06	5.45E-07	1.36E-04	4.30E-08	1.25E-08	5.96E-03	1.88E-06	5.47E-07	1.58E-04	4.97E-08	1.45E-08	6.18E-03	1.95E-06	5.68E-07	7.17E-05	2.26E-08	6.58E-09
970 490786.72, 3861085.12	5.89E-03	1.86E-06	5.41E-07	1.37E-04	4.32E-08	1.26E-08	5.91E-03	1.87E-06	5.43E-07	1.58E-04	5.00E-08	1.45E-08	6.13E-03	1.94E-06	5.63E-07	7.20E-05	2.27E-08	6.61E-09
971 490836.72, 3861085.12	5.84E-03	1.84E-06	5.36E-07	1.38E-04	4.34E-08	1.26E-08	5.87E-03	1.85E-06	5.39E-07	1.59E-04	5.02E-08	1.46E-08	6.08E-03	1.92E-06	5.58E-07	7.24E-05	2.29E-08	6.65E-09
972 490086.72, 3861135.12	6.06E-03	1.91E-06	5.57E-07	1.30E-04	4.10E-08	1.19E-08	6.09E-03	1.92E-06	5.59E-07	1.50E-04	4.74E-08	1.38E-08	6.32E-03	1.99E-06	5.80E-07	6.83E-05	2.16E-08	6.27E-09
973 490136.72, 3861135.12	6.05E-03	1.91E-06	5.55E-07	1.30E-04	4.10E-08	1.19E-08	6.07E-03	1.92E-06	5.57E-07	1.50E-04	4.74E-08	1.38E-08	6.30E-03	1.99E-06	5.78E-07	6.84E-05	2.16E-08	6.28E-09
974 490186.72, 3861135.12	6.03E-03	1.90E-06	5.54E-07	1.30E-04	4.11E-08	1.19E-08	6.05E-03	1.91E-06	5.56E-07	1.50E-04	4.75E-08	1.38E-08	6.28E-03	1.98E-06	5.77E-07	6.85E-05	2.16E-08	6.29E-09
975 490236.72, 3861135.12	6.01E-03	1.90E-06	5.52E-07	1.30E-04	4.11E-08	1.20E-08	6.03E-03	1.90E-06	5.54E-07	1.51E-04	4.75E-08	1.38E-08	6.26E-03	1.98E-06	5.75E-07	6.85E-05	2.16E-08	6.29E-09
976 490286.72, 3861135.12	5.98E-03	1.89E-06	5.49E-07	1.30E-04	4.11E-08	1.20E-08	6.00E-03	1.89E-06	5.51E-07	1.51E-04	4.75E-08	1.38E-08	6.23E-03	1.97E-06	5.72E-07	6.86E-05	2.16E-08	6.29E-09
977 490336.72, 3861135.12	5.95E-03	1.88E-06	5.46E-07	1.30E-04	4.11E-08	1.20E-08	5.97E-03	1.88E-06	5.48E-07	1.51E-04	4.75E-08	1.38E-08	6.19E-03	1.95E-06	5.69E-07	6.85E-05	2.16E-08	6.29E-09
978 490386.72, 3861135.12	5.92E-03	1.87E-06	5.43E-07	1.30E-04	4.11E-08	1.20E-08	5.94E-03	1.87E-06	5.45E-07	1.51E-04	4.76E-08	1.38E-08	6.16E-03	1.94E-06	5.66E-07	6.86E-05	2.17E-08	6.30E-09
979 490436.72, 3861135.12	5.88E-03	1.86E-06	5.40E-07	1.31E-04	4.12E-08	1.20E-08	5.90E-03	1.86E-06	5.42E-07	1.51E-04	4.76E-08	1.39E-08	6.13E-03	1.93E-06	5.62E-07	6.87E-05	2.17E-08	6.31E-09
980 490486.72, 3861135.12	5.85E-03	1.85E-06	5.37E-07	1.31E-04	4.13E-08	1.20E-08	5.87E-03	1.85E-06	5.39E-07	1.51E-04	4.77E-08	1.39E-08	6.09E-03	1.92E-06	5.59E-07	6.88E-05	2.17E-08	6.32E-09
981 490536.72, 3861135.12	5.81E-03	1.83E-06	5.34E-07	1.31E-04	4.14E-08	1.20E-08	5.84E-03	1.84E-06	5.36E-07	1.52E-04	4.79E-08	1.39E-08	6.05E-03	1.91E-06	5.56E-07	6.90E-05	2.18E-08	6.34E-09
982 490586.72, 3861135.12	5.77E-03	1.82E-06	5.30E-07	1.32E-04	4.15E-08	1.21E-08	5.79E-03	1.83E-06	5.32E-07	1.52E-04	4.80E-08	1.40E-08	6.01E-03	1.90E-06	5.52E-07	6.92E-05	2.18E-08	6.36E-09
983 490636.72, 3861135.12	5.72E-03	1.81E-06	5.25E-07	1.32E-04	4.16E-08	1.21E-08	5.75E-03	1.81E-06	5.28E-07	1.53E-04	4.81E-08	1.40E-08	5.96E-03	1.88E-06	5.47E-07	6.94E-05	2.19E-08	6.37E-09
984 490686.72, 3861135.12	5.68E-03	1.79E-06	5.22E-07	1.32E-04	4.18E-08	1.22E-08	5.70E-03	1.80E-06	5.24E-07	1.53E-04	4.83E-08	1.41E-08	5.91E-03	1.87E-06	5.43E-07	6.97E-05	2.20E-08	6.40E-09
985 490736.72, 3861135.12	5.64E-03	1.78E-06	5.18E-07	1.33E-04	4.20E-08	1.22E-08	5.66E-03	1.79E-06	5.20E-07	1.54E-04	4.86E-08	1.41E-08	5.87E-03	1.85E-06	5.39E-07	7.00E-05	2.21E-08	6.43E-09
986 490786.72, 3861135.12	5.60E-03	1.77E-06	5.14E-07	1.34E-04	4.22E-08	1.23E-08	5.62E-03	1.77E-06	5.16E-07	1.55E-04	4.88E-08	1.42E-08	5.83E-03	1.84E-06	5.35E-07	7.04E-05	2.22E-08	6.46E-09

987	490836.72, 3861135.12	5.56E-03	1.75E-06	5.10E-07	1.34E-04	4.24E-08	1.23E-08	5.58E-03	1.76E-06	5.12E-07	1.55E-04	4.91E-08	1.43E-08	5.78E-03	1.82E-06	5.31E-07	7.07E-05	2.23E-08	6.49E-09
988	490086.72, 3861185.12	5.68E-03	1.79E-06	5.21E-07	1.27E-04	4.02E-08	1.17E-08	5.70E-03	1.80E-06	5.23E-07	1.47E-04	4.65E-08	1.35E-08	5.91E-03	1.87E-06	5.43E-07	6.70E-05	2.11E-08	6.15E-09
989	490136.72, 3861185.12	5.65E-03	1.78E-06	5.19E-07	1.27E-04	4.02E-08	1.17E-08	5.68E-03	1.79E-06	5.21E-07	1.47E-04	4.65E-08	1.35E-08	5.89E-03	1.86E-06	5.41E-07	6.70E-05	2.12E-08	6.15E-09
990	490186.72, 3861185.12	5.64E-03	1.78E-06	5.18E-07	1.28E-04	4.02E-08	1.17E-08	5.66E-03	1.79E-06	5.20E-07	1.47E-04	4.65E-08	1.35E-08	5.87E-03	1.85E-06	5.39E-07	6.71E-05	2.12E-08	6.16E-09
991	490236.72, 3861185.12	5.63E-03	1.78E-06	5.17E-07	1.28E-04	4.03E-08	1.17E-08	5.65E-03	1.78E-06	5.19E-07	1.48E-04	4.66E-08	1.35E-08	5.86E-03	1.85E-06	5.38E-07	6.71E-05	2.12E-08	6.16E-09
992	490286.72, 3861185.12	5.62E-03	1.77E-06	5.16E-07	1.28E-04	4.03E-08	1.17E-08	5.64E-03	1.78E-06	5.18E-07	1.48E-04	4.66E-08	1.36E-08	5.85E-03	1.85E-06	5.37E-07	6.72E-05	2.12E-08	6.17E-09
993	490336.72, 3861185.12	5.58E-03	1.76E-06	5.12E-07	1.28E-04	4.03E-08	1.17E-08	5.60E-03	1.77E-06	5.14E-07	1.48E-04	4.66E-08	1.35E-08	5.81E-03	1.83E-06	5.34E-07	6.71E-05	2.12E-08	6.16E-09
994	490386.72, 3861185.12	5.56E-03	1.76E-06	5.11E-07	1.28E-04	4.03E-08	1.17E-08	5.58E-03	1.76E-06	5.13E-07	1.48E-04	4.66E-08	1.36E-08	5.79E-03	1.83E-06	5.32E-07	6.72E-05	2.12E-08	6.17E-09
995	490436.72, 3861185.12	5.55E-03	1.75E-06	5.09E-07	1.28E-04	4.04E-08	1.17E-08	5.57E-03	1.76E-06	5.11E-07	1.48E-04	4.67E-08	1.36E-08	5.77E-03	1.82E-06	5.30E-07	6.73E-05	2.13E-08	6.18E-09
996	490486.72, 3861185.12	5.52E-03	1.74E-06	5.07E-07	1.28E-04	4.04E-08	1.18E-08	5.54E-03	1.75E-06	5.09E-07	1.48E-04	4.68E-08	1.36E-08	5.74E-03	1.81E-06	5.27E-07	6.74E-05	2.13E-08	6.19E-09
997	490536.72, 3861185.12	5.50E-03	1.74E-06	5.05E-07	1.29E-04	4.06E-08	1.18E-08	5.52E-03	1.74E-06	5.07E-07	1.49E-04	4.69E-08	1.37E-08	5.73E-03	1.81E-06	5.26E-07	6.77E-05	2.14E-08	6.21E-09
998	490586.72, 3861185.12	5.47E-03	1.73E-06	5.02E-07	1.29E-04	4.07E-08	1.18E-08	5.49E-03	1.73E-06	5.04E-07	1.49E-04	4.70E-08	1.37E-08	5.69E-03	1.80E-06	5.22E-07	6.78E-05	2.14E-08	6.22E-09
999	490636.72, 3861185.12	5.42E-03	1.71E-06	4.98E-07	1.29E-04	4.07E-08	1.18E-08	5.44E-03	1.72E-06	5.00E-07	1.49E-04	4.71E-08	1.37E-08	5.64E-03	1.78E-06	5.18E-07	6.79E-05	2.14E-08	6.23E-09
1000	490686.72, 3861185.12	5.39E-03	1.70E-06	4.95E-07	1.29E-04	4.09E-08	1.19E-08	5.41E-03	1.71E-06	4.97E-07	1.50E-04	4.72E-08	1.37E-08	5.61E-03	1.77E-06	5.15E-07	6.81E-05	2.15E-08	6.25E-09
1001	490736.72, 3861185.12	5.36E-03	1.69E-06	4.92E-07	1.30E-04	4.11E-08	1.19E-08	5.38E-03	1.70E-06	4.94E-07	1.50E-04	4.75E-08	1.38E-08	5.57E-03	1.76E-06	5.12E-07	6.84E-05	2.16E-08	6.28E-09
1002	490786.72, 3861185.12	5.33E-03	1.68E-06	4.89E-07	1.31E-04	4.13E-08	1.20E-08	5.35E-03	1.69E-06	4.91E-07	1.51E-04	4.77E-08	1.39E-08	5.54E-03	1.75E-06	5.09E-07	6.88E-05	2.17E-08	6.31E-09
1003	490836.72, 3861185.12	5.29E-03	1.67E-06	4.86E-07	1.31E-04	4.15E-08	1.21E-08	5.31E-03	1.68E-06	4.88E-07	1.52E-04	4.80E-08	1.40E-08	5.50E-03	1.74E-06	5.05E-07	6.91E-05	2.18E-08	6.35E-09
1004	490086.72, 3861235.12	5.33E-03	1.68E-06	4.89E-07	1.25E-04	3.95E-08	1.15E-08	5.35E-03	1.69E-06	4.91E-07	1.45E-04	4.56E-08	1.33E-08	5.54E-03	1.75E-06	5.09E-07	6.57E-05	2.07E-08	6.03E-09
1005	490136.72, 3861235.12	5.31E-03	1.68E-06	4.87E-07	1.25E-04	3.95E-08	1.15E-08	5.33E-03	1.68E-06	4.89E-07	1.45E-04	4.56E-08	1.33E-08	5.53E-03	1.74E-06	5.07E-07	6.58E-05	2.08E-08	6.04E-09
1006	490186.72, 3861235.12	5.30E-03	1.67E-06	4.87E-07	1.25E-04	3.95E-08	1.15E-08	5.32E-03	1.68E-06	4.89E-07	1.45E-04	4.57E-08	1.33E-08	5.52E-03	1.74E-06	5.06E-07	6.59E-05	2.08E-08	6.05E-09
1007	490236.72, 3861235.12	5.28E-03	1.67E-06	4.85E-07	1.25E-04	3.95E-08	1.15E-08	5.30E-03	1.67E-06	4.87E-07	1.45E-04	4.57E-08	1.33E-08	5.50E-03	1.73E-06	5.05E-07	6.58E-05	2.08E-08	6.04E-09
1008	490386.72, 3861235.12	5.24E-03	1.65E-06	4.81E-07	1.25E-04	3.95E-08	1.15E-08	5.26E-03	1.66E-06	4.83E-07	1.45E-04	4.57E-08	1.33E-08	5.45E-03	1.72E-06	5.00E-07	6.59E-05	2.08E-08	6.05E-09
1009	490436.72, 3861235.12	5.22E-03	1.65E-06	4.79E-07	1.25E-04	3.95E-08	1.15E-08	5.24E-03	1.65E-06	4.81E-07	1.45E-04	4.57E-08	1.33E-08	5.43E-03	1.71E-06	4.98E-07	6.59E-05	2.08E-08	6.05E-09
1010	490486.72, 3861235.12	5.20E-03	1.64E-06	4.77E-07	1.25E-04	3.96E-08	1.15E-08	5.22E-03	1.65E-06	4.79E-07	1.45E-04	4.58E-08	1.33E-08	5.41E-03	1.71E-06	4.97E-07	6.60E-05	2.08E-08	6.05E-09
1011	490536.72, 3861235.12	5.20E-03	1.64E-06	4.77E-07	1.26E-04	3.97E-08	1.16E-08	5.22E-03	1.65E-06	4.79E-07	1.46E-04	4.60E-08	1.34E-08	5.41E-03	1.71E-06	4.96E-07	6.62E-05	2.09E-08	6.08E-09
1012	490586.72, 3861235.12	5.19E-03	1.64E-06	4.76E-07	1.26E-04	3.99E-08	1.16E-08	5.21E-03	1.64E-06	4.78E-07	1.46E-04	4.61E-08	1.34E-08	5.39E-03	1.70E-06	4.95E-07	6.65E-05	2.10E-08	6.10E-09
1013	490636.72, 3861235.12	5.14E-03	1.62E-06	4.72E-07	1.26E-04	3.98E-08	1.16E-08	5.16E-03	1.63E-06	4.74E-07	1.46E-04	4.61E-08	1.34E-08	5.35E-03	1.69E-06	4.91E-07	6.64E-05	2.10E-08	6.10E-09
1014	490686.72, 3861235.12	5.11E-03	1.61E-06	4.69E-07	1.27E-04	4.00E-08	1.16E-08	5.13E-03	1.62E-06	4.71E-07	1.46E-04	4.62E-08	1.34E-08	5.32E-03	1.68E-06	4.88E-07	6.66E-05	2.10E-08	6.11E-09
1015	490736.72, 3861235.12	5.09E-03	1.61E-06	4.67E-07	1.27E-04	4.02E-08	1.17E-08	5.11E-03	1.61E-06	4.69E-07	1.47E-04	4.64E-08	1.35E-08	5.29E-03	1.67E-06	4.86E-07	6.69E-05	2.11E-08	6.14E-09
1016	490786.72, 3861235.12	5.07E-03	1.60E-06	4.65E-07	1.28E-04	4.04E-08	1.17E-08	5.09E-03	1.61E-06	4.67E-07	1.48E-04	4.67E-08	1.36E-08	5.27E-03	1.66E-06	4.84E-07	6.73E-05	2.12E-08	6.18E-09
1017	490836.72, 3861235.12	5.04E-03	1.59E-06	4.63E-07	1.29E-04	4.06E-08	1.18E-08	5.06E-03	1.60E-06	4.65E-07	1.49E-04	4.69E-08	1.36E-08	5.24E-03	1.65E-06	4.81E-07	6.76E-05	2.13E-08	6.20E-09
1018	490086.72, 3861285.12	5.02E-03	1.59E-06	4.61E-07	1.23E-04	3.88E-08	1.13E-08	5.04E-03	1.59E-06	4.63E-07	1.42E-04	4.48E-08	1.30E-08	5.22E-03	1.65E-06	4.80E-07	6.46E-05	2.04E-08	5.93E-09
1019	490136.72, 3861285.12	5.02E-03	1.58E-06	4.61E-07	1.23E-04	3.89E-08	1.13E-08	5.04E-03	1.59E-06	4.63E-07	1.42E-04	4.49E-08	1.31E-08	5.22E-03	1.65E-06	4.79E-07	6.47E-05	2.04E-08	5.94E-09
1020	490186.72, 3861285.12	5.00E-03	1.58E-06	4.59E-07	1.23E-04	3.88E-08	1.13E-08	5.02E-03	1.58E-06	4.61E-07	1.42E-04	4.49E-08	1.31E-08	5.20E-03	1.64E-06	4.77E-07	6.47E-05	2.04E-08	5.94E-09
1021	490236.72, 3861285.12	4.98E-03	1.57E-06	4.57E-07	1.23E-04	3.88E-08	1.13E-08	5.00E-03	1.58E-06	4.59E-07	1.42E-04	4.49E-08	1.31E-08	5.18E-03	1.64E-06	4.76E-07	6.47E-05	2.04E-08	5.94E-09
1022	490386.72, 3861285.12	4.94E-03	1.56E-06	4.54E-07	1.23E-04	3.88E-08	1.13E-08	4.97E-03	1.57E-06	4.56E-07	1.42E-04	4.49E-08	1.31E-08	5.14E-03	1.62E-06	4.72E-07	6.47E-05	2.04E-08	5.94E-09
1023	490436.72, 3861285.12	4.94E-03	1.56E-06	4.53E-07	1.23E-04	3.88E-08	1.13E-08	4.96E-03	1.56E-06	4.55E-07	1.42E-04	4.49E-08	1.31E-08	5.13E-03	1.62E-06	4.71E-07	6.47E-05	2.04E-08	5.94E-09
1024	490486.72, 3861285.12	4.92E-03	1.55E-06	4.52E-07	1.23E-04	3.88E-08	1.13E-08	4.94E-03	1.56E-06	4.54E-07	1.42E-04	4.49E-08	1.31E-08	5.11E-03	1.61E-06	4.70E-07	6.47E-05	2.04E-08	5.94E-09
1025	490536.72, 3861285.12	4.91E-03	1.55E-06	4.50E-07	1.23E-04	3.89E-08	1.13E-08	4.93E-03	1.56E-06	4.52E-07	1.42E-04	4.50E-08	1.31E-08	5.10E-03	1.61E-06	4.68E-07	6.48E-05	2.05E-08	5.95E-09
1026	490586.72, 3861285.12	4.90E-03	1.55E-06	4.50E-07	1.24E-04	3.90E-08	1.13E-08	4.92E-03	1.55E-06	4.51E-07	1.43E-04	4.51E-08	1.31E-08	5.09E-03	1.61E-06	4.67E-07	6.50E-05	2.05E-08	5.96E-09
1027	490636.72, 3861285.12	4.87E-03	1.54E-06	4.47E-07	1.24E-04	3.90E-08	1.13E-08	4.89E-03	1.54E-06	4.49E-07	1.43E-04	4.51E-08	1.31E-08	5.06E-03	1.60E-06	4.65E-07	6.50E-05	2.05E-08	5.97E-09
1028	490686.72, 3861285.12	4.85E-03	1.53E-06	4.45E-07	1.24E-04	3.91E-08	1.14E-08	4.87E-03	1.54E-06	4.47E-07	1.43E-04	4.52E-08	1.32E-08	5.04E-03	1.59E-06	4.63E-07	6.52E-05	2.06E-08	5.98E-09
1029	490736.72, 3861285.12	4.84E-03	1.53E-06	4.45E-07	1.25E-04	3.93E-08	1.14E-08	4.86E-03	1.54E-06	4.47E-07	1.44E-04	4.55E-08	1.32E-08	5.03E-03	1.59E-06	4.62E-07	6.55E-05	2.07E-08	6.01E-09
1030	490786.72, 3861285.12	4.82E-03	1.52E-06	4.43E-07	1.25E-04	3.95E-08	1.15E-08	4.84E-03	1.53E-06	4.45E-07	1.45E-04	4.56E-08	1.33E-08	5.01E-03	1.58E-06	4.60E-07	6.58E-05	2.08E-08	6.04E-09
1031	490836.72, 3861285.12	4.79E-03	1.51E-06	4.40E-07	1.26E-04	3.96E-08	1.15E-08	4.81E-03	1.52E-06	4.42E-07	1.45E-04	4.58E-08	1.33E-08	4.98E-03	1.57E-06	4.57E-07	6.60E-05	2.08E-08	6.06E-09
1032	490061.24, 3859716.13	1.77E-02	5.58E-06	1.62E-06	2.49E-04	7.85E-08	2.28E-08	1.77E-02	5.59E-06	1.63E-06	2.87E-04	9.05E-08	2.63E-08	1.85E-02	5.84E-06	1.70E-06	1.33E-04	4.21E-08	1.22E-08
1033	490111.24, 3859716.13	1.73E-02	5.46E-06	1.59E-06	2.47E-04	7.78E-08	2.26E-08	1.73E-02	5.47E-06	1.59E-06	2.84E-04	8.97E-08	2.61E-08	1.81E-02	5.71E-06	1.66E-06	1.32E-04	4.17E-08	1.21E-08
1034	490161.24, 3859716.13	1.70E-02	5.35E-06	1.56E-06	2.44E-04	7.71E-08	2.24E-08	1.70E-02	5.36E-06	1.56E-06	2.82E-04	8.89E-08	2.59E-08	1.77E-02	5.60E-06	1.63E-06	1.31E-04	4.13E-08	1.20E-08
1035	490211.24, 3859716.13	1.66E-02	5.25E-06	1.53E-06	2.42E-04	7.63E-08	2.22E-08	1.67E-02	5.26E-06	1.53E-06	2.79E-04	8.80E-08	2.56E-08	1.74E-02	5.49E-06	1.60E-06	1.30E-04	4.09E-08	1.19E-08
1036	490061.24, 3859766.13	1.76E-02	5.56E-06	1.62E-06	2.45E-04	7.73E-08	2.25E-08	1.76E-02	5.57E-06	1.62E-06	2.82E-04	8.91E-08	2.59E-08	1.84E-02	5.82E-06	1.69E-06	1.31E-04	4.14E-08	1.20E-08
1037	490111.24, 3859766.13	1.73E-02	5.45E-06	1.58E-06	2.43E-04	7.66E-08	2.23E-08	1.73E-02	5.46E-06	1.59E-06	2.80E-04	8.83E-08	2.57E-08	1.81E-02	5.70E-06	1.66E-06	1.30E-04	4.10E-08	1.19E-08
1038	490161.24, 3859766.13	1.69E-02	5.35E-06	1.55E-06	2.40E-04	7.59E-08	2.21E-08	1.70E-02	5.36E-06	1.56E-06	2.77E-04	8.75E-08	2.54E-08	1.77E-02	5.59E-06	1.63E-06	1.29E-04	4.06E-08	1.18E-08
1039	490211.24, 3859766.13	1.66E-02	5.24E-06	1.52E-06	2.38E-04	7.52E-08	2.19E-08	1.66E-02	5.25E-06	1.53E-06	2.75E-04	8.67E-08	2.52E-08	1.74E-02	5.48E-06	1.59E-06	1.27E-04	4.02E-08	1.17E-08
1040	490061.24, 3859816.13	1.76E-02	5.55E-06	1.61E-06	2.41E-04	7.60E-08	2.21E-08	1.76E-02	5.56E-06	1.62E-06	2.78E-04	8.76E-08	2.55E-08	1.84E-02	5.81E-06	1.69E-06	1.29E-04	4.07E-08	1.18E-08
1041	490111.24, 3859816.13	1.73E-02	5.45E-06	1.58E-06	2.39E-04	7.53E-08	2.19E-08	1.73E-02	5.46E-06	1.59E-06	2.75E-04	8.69E-08	2.53E-08	1.81E-02	5.70E-06	1.66E-06	1.28E-04	4.03E-08	1.17E-08
1042	490161.24, 3859816.13	1.69E-02	5.33E-06	1.55E-06	2.37E-04	7.47E-08	2.17E-08	1.69E-02	5.35E-06	1.55E-06	2.73E-04	8.61E-08	2.51E-08	1.77E-02	5.58E-06	1.62E-06	1.27E-04	4.00E-08	1.16E-08
1043	490211.24, 3859816.13	1.65E-02	5.22E-06	1.52E-06	2.34E-04	7.40E-08	2.15E-08	1.66E-02	5.24E-06	1.52E-06	2.70E-04	8.53E-08	2.48E-08	1.73E-02	5.47E-06	1.59E-06	1.25E-04	3.96E-08	1.15E-08
1044	490061.24, 3859866.13	1.76E-02	5.55E-06	1.62E-06	2.37E-04	7.46E-08	2.17E-08	1.76E-02	5.57E-06	1.62E-06	2.73E-04	8.61E-08	2.50E-08	1.84E-02	5.81E-06	1.69E-06	1.27E-04	4.00E-08	1.16E-08
1045	490111.24, 3859866.13	1.72E-02	5.44E-06	1.58E-06	2.35E-04	7.41E-08	2.16E-08	1.73E-02	5.45E-06	1.59E-06	2.71E-04	8.55E-08	2.49E-08	1.80E-02	5.69E-06	1.66E-06	1.26E-04	3.97E-08	1.15E-08
1046	490161.24, 3859866.13	1.69E-02	5.32E-06	1.55E-06	2.33E-04	7.35E-08	2.14E-08	1.69E-02	5.34E-06	1.55E-06	2.69E-04	8.48E-08	2.47E-08	1.77E-02	5.57E-06	1.62E-06	1.25E-04	3.93E-08	1.14E-08
1047	490211.24, 3859866.13	1.65E-02	5.21E-06	1.52E-06	2.31E-04	7.29E-08	2.12E-08	1.65E-02	5.22E-06	1.52E-06	2.66E-04	8.41E-08	2.45E-08	1.73E-02	5.45E-06	1.59E-06	1.24E-04	3.90E-08	1.13E-08
1048	490061.24, 3859916.13	1.76E-02	5.56E-06	1.62E-06	2.32E-04	7.32E-08	2.13E-08	1.76E-02	5.57E-06	1.62E-06	2.67E-04	8.44E-08	2.46E-08	1.84E-02	5.82E-06	1.69E-06	1.24E-04	3.92E-08	1.14E-08
1049	490111.24, 3859916.13	1.72E-02	5.43E-06	1.58E-06	2.31E-04	7.28E-08	2.12E-08	1.73E-02	5.45E-06	1.58E-06	2.66E-04	8.40E-08	2.44E-08	1.80E-02	5.69E-06	1.65E-06	1.23E-04	3.90E-08	1.13E-08
1050	490161.24, 3859916.13	1.68E-02	5.32E-06	1.55E-06	2.29E-04	7.23E-08	2.10E-08	1.69E-02	5.33E-06	1.55E-06	2.64E-04	8.34E-08	2.43E-08	1.76E-02	5.56E-06	1.62E-06	1.23E-04	3.87E-08	1.12E-08
1051	490211.24, 3859916.13	1.65E-02	5.20E-06	1.51E-06	2.27E-04	7.17E-08	2.09E-08	1.65E-02	5.21E-06	1.52E-06	2.62E-04	8.27E-08	2.41E-08	1.73E-02	5.44E-06	1.58E-06	1.21E-04	3.83E-08	1.12E-08
1052	490229.25, 3859815.26	1.64E-02	5.18E-06	1.51E-06	2.34E-04	7.38E-08	2.15E-08	1.65E-02	5.20E-06	1.51E-06	2.70E-04	8.51E-08	2.48E-08	1.72E-02	5.42E-06	1.58E-06	1.25E-04	3.95E-08	1.15E-08

1053	490279.25, 3859815.26	1.61E-02	5.08E-06	1.48E-06	2.32E-04	7.31E-08	2.13E-08	1.61E-02	5.09E-06	1.48E-06	2.67E-04	8.43E-08	2.45E-08	1.68E-02	5.31E-06	1.54E-06	1.24E-04	3.91E-08	1.14E-08
1054	490329.25, 3859815.26	1.58E-02	4.97E-06	1.45E-06	2.30E-04	7.25E-08	2.11E-08	1.58E-02	4.99E-06	1.45E-06	2.65E-04	8.36E-08	2.43E-08	1.65E-02	5.20E-06	1.51E-06	1.23E-04	3.87E-08	1.13E-08
1055	490379.25, 3859815.26	1.54E-02	4.87E-06	1.42E-06	2.28E-04	7.19E-08	2.09E-08	1.55E-02	4.88E-06	1.42E-06	2.63E-04	8.30E-08	2.41E-08	1.61E-02	5.09E-06	1.48E-06	1.22E-04	3.84E-08	1.12E-08
1056	490429.25, 3859815.26	1.51E-02	4.77E-06	1.39E-06	2.27E-04	7.15E-08	2.08E-08	1.51E-02	4.78E-06	1.39E-06	2.61E-04	8.25E-08	2.40E-08	1.58E-02	4.99E-06	1.45E-06	1.21E-04	3.82E-08	1.11E-08
1057	490229.25, 3859865.26	1.64E-02	5.17E-06	1.50E-06	2.30E-04	7.27E-08	2.12E-08	1.64E-02	5.18E-06	1.51E-06	2.66E-04	8.39E-08	2.44E-08	1.71E-02	5.41E-06	1.57E-06	1.23E-04	3.89E-08	1.13E-08
1058	490279.25, 3859865.26	1.60E-02	5.06E-06	1.47E-06	2.28E-04	7.20E-08	2.10E-08	1.61E-02	5.08E-06	1.48E-06	2.63E-04	8.31E-08	2.42E-08	1.68E-02	5.30E-06	1.54E-06	1.22E-04	3.85E-08	1.12E-08
1059	490329.25, 3859865.26	1.57E-02	4.96E-06	1.44E-06	2.26E-04	7.14E-08	2.08E-08	1.57E-02	4.97E-06	1.45E-06	2.61E-04	8.23E-08	2.39E-08	1.64E-02	5.19E-06	1.51E-06	1.21E-04	3.81E-08	1.11E-08
1060	490379.25, 3859865.26	1.54E-02	4.86E-06	1.41E-06	2.24E-04	7.08E-08	2.06E-08	1.54E-02	4.87E-06	1.42E-06	2.59E-04	8.17E-08	2.38E-08	1.61E-02	5.08E-06	1.48E-06	1.20E-04	3.78E-08	1.10E-08
1061	490429.25, 3859865.26	1.51E-02	4.75E-06	1.38E-06	2.23E-04	7.03E-08	2.04E-08	1.51E-02	4.77E-06	1.39E-06	2.57E-04	8.10E-08	2.36E-08	1.58E-02	4.97E-06	1.45E-06	1.19E-04	3.75E-08	1.09E-08
1062	490229.25, 3859915.26	1.64E-02	5.16E-06	1.50E-06	2.27E-04	7.16E-08	2.08E-08	1.64E-02	5.17E-06	1.50E-06	2.62E-04	8.26E-08	2.40E-08	1.71E-02	5.40E-06	1.57E-06	1.21E-04	3.82E-08	1.11E-08
1063	490279.25, 3859915.26	1.60E-02	5.05E-06	1.47E-06	2.25E-04	7.09E-08	2.06E-08	1.60E-02	5.06E-06	1.47E-06	2.59E-04	8.18E-08	2.38E-08	1.67E-02	5.29E-06	1.54E-06	1.20E-04	3.79E-08	1.10E-08
1064	490329.25, 3859915.26	1.57E-02	4.94E-06	1.44E-06	2.23E-04	7.03E-08	2.04E-08	1.57E-02	4.96E-06	1.44E-06	2.57E-04	8.11E-08	2.36E-08	1.64E-02	5.17E-06	1.50E-06	1.19E-04	3.75E-08	1.09E-08
1065	490379.25, 3859915.26	1.53E-02	4.84E-06	1.41E-06	2.21E-04	6.97E-08	2.03E-08	1.54E-02	4.85E-06	1.41E-06	2.55E-04	8.04E-08	2.34E-08	1.60E-02	5.06E-06	1.47E-06	1.18E-04	3.72E-08	1.08E-08
1066	490429.25, 3859915.26	1.50E-02	4.74E-06	1.38E-06	2.19E-04	6.91E-08	2.01E-08	1.50E-02	4.75E-06	1.38E-06	2.53E-04	7.97E-08	2.32E-08	1.57E-02	4.96E-06	1.44E-06	1.17E-04	3.69E-08	1.07E-08
1067	490451.43, 3859872.59	1.49E-02	4.71E-06	1.37E-06	2.21E-04	6.98E-08	2.03E-08	1.50E-02	4.72E-06	1.37E-06	2.55E-04	8.06E-08	2.34E-08	1.56E-02	4.92E-06	1.43E-06	1.18E-04	3.73E-08	1.08E-08
1068	490501.43, 3859872.59	1.46E-02	4.61E-06	1.34E-06	2.20E-04	6.94E-08	2.02E-08	1.46E-02	4.62E-06	1.34E-06	2.54E-04	8.01E-08	2.33E-08	1.53E-02	4.82E-06	1.40E-06	1.17E-04	3.70E-08	1.08E-08
1069	490551.43, 3859872.59	1.43E-02	4.51E-06	1.31E-06	2.19E-04	6.92E-08	2.01E-08	1.43E-02	4.52E-06	1.32E-06	2.53E-04	7.98E-08	2.32E-08	1.49E-02	4.72E-06	1.37E-06	1.17E-04	3.69E-08	1.07E-08
1070	490601.43, 3859872.59	1.40E-02	4.41E-06	1.28E-06	2.19E-04	6.90E-08	2.01E-08	1.40E-02	4.42E-06	1.28E-06	2.52E-04	7.96E-08	2.32E-08	1.46E-02	4.61E-06	1.34E-06	1.17E-04	3.68E-08	1.07E-08
1071	490451.43, 3859922.59	1.49E-02	4.69E-06	1.36E-06	2.18E-04	6.87E-08	2.00E-08	1.49E-02	4.70E-06	1.37E-06	2.51E-04	7.93E-08	2.31E-08	1.55E-02	4.91E-06	1.43E-06	1.16E-04	3.67E-08	1.07E-08
1072	490501.43, 3859922.59	1.45E-02	4.59E-06	1.34E-06	2.16E-04	6.82E-08	1.98E-08	1.46E-02	4.60E-06	1.34E-06	2.49E-04	7.87E-08	2.29E-08	1.52E-02	4.80E-06	1.40E-06	1.15E-04	3.64E-08	1.06E-08
1073	490551.43, 3859922.59	1.42E-02	4.49E-06	1.31E-06	2.15E-04	6.79E-08	1.97E-08	1.43E-02	4.50E-06	1.31E-06	2.48E-04	7.83E-08	2.28E-08	1.49E-02	4.70E-06	1.37E-06	1.15E-04	3.62E-08	1.05E-08
1074	490601.43, 3859922.59	1.39E-02	4.40E-06	1.28E-06	2.14E-04	6.76E-08	1.97E-08	1.40E-02	4.41E-06	1.28E-06	2.47E-04	7.80E-08	2.27E-08	1.46E-02	4.60E-06	1.34E-06	1.14E-04	3.60E-08	1.05E-08
1075	482129.67, 3852241.07	6.14E-04	1.94E-07	5.64E-08	1.35E-04	4.26E-08	1.24E-08	6.37E-04	2.01E-07	5.85E-08	1.56E-04	4.94E-08	1.44E-08	5.64E-04	1.78E-07	5.18E-08	7.05E-05	2.23E-08	6.47E-09
1076	482029.67, 3852291.07	6.35E-04	2.00E-07	5.83E-08	1.35E-04	4.27E-08	1.24E-08	6.58E-04	2.08E-07	6.04E-08	1.57E-04	4.95E-08	1.44E-08	5.85E-04	1.85E-07	5.37E-08	7.07E-05	2.23E-08	6.49E-09
1077	482079.67, 3852291.07	6.33E-04	2.00E-07	5.81E-08	1.37E-04	4.32E-08	1.26E-08	6.57E-04	2.07E-07	6.03E-08	1.58E-04	5.00E-08	1.45E-08	5.83E-04	1.84E-07	5.35E-08	7.14E-05	2.25E-08	6.56E-09
1078	482129.67, 3852291.07	6.29E-04	1.99E-07	5.78E-08	1.38E-04	4.35E-08	1.26E-08	6.53E-04	2.06E-07	5.99E-08	1.59E-04	5.03E-08	1.46E-08	5.78E-04	1.83E-07	5.31E-08	7.18E-05	2.27E-08	6.60E-09
1079	482179.67, 3852291.07	6.23E-04	1.97E-07	5.72E-08	1.38E-04	4.36E-08	1.27E-08	6.46E-04	2.04E-07	5.93E-08	1.60E-04	5.04E-08	1.47E-08	5.71E-04	1.80E-07	5.24E-08	7.20E-05	2.27E-08	6.61E-09
1080	482229.67, 3852291.07	6.12E-04	1.93E-07	5.62E-08	1.38E-04	4.35E-08	1.27E-08	6.36E-04	2.01E-07	5.84E-08	1.60E-04	5.04E-08	1.47E-08	5.60E-04	1.77E-07	5.14E-08	7.20E-05	2.27E-08	6.61E-09
1081	482029.67, 3852341.07	6.49E-04	2.05E-07	5.96E-08	1.36E-04	4.30E-08	1.25E-08	6.73E-04	2.12E-07	6.18E-08	1.58E-04	4.97E-08	1.45E-08	6.00E-04	1.90E-07	5.51E-08	7.10E-05	2.24E-08	6.52E-09
1082	482079.67, 3852341.07	6.48E-04	2.04E-07	5.95E-08	1.38E-04	4.36E-08	1.27E-08	6.71E-04	2.12E-07	6.16E-08	1.60E-04	5.05E-08	1.47E-08	5.97E-04	1.89E-07	5.48E-08	7.21E-05	2.28E-08	6.62E-09
1083	482129.67, 3852341.07	6.46E-04	2.04E-07	5.93E-08	1.40E-04	4.41E-08	1.28E-08	6.70E-04	2.11E-07	6.15E-08	1.62E-04	5.10E-08	1.48E-08	5.94E-04	1.88E-07	5.46E-08	7.29E-05	2.30E-08	6.69E-09
1084	482179.67, 3852341.07	6.41E-04	2.02E-07	5.88E-08	1.41E-04	4.44E-08	1.29E-08	6.65E-04	2.10E-07	6.10E-08	1.63E-04	5.14E-08	1.49E-08	5.89E-04	1.86E-07	5.40E-08	7.34E-05	2.32E-08	6.74E-09
1085	482259.06, 3852400.14	6.64E-04	2.09E-07	6.09E-08	1.44E-04	4.53E-08	1.32E-08	6.88E-04	2.17E-07	6.32E-08	1.66E-04	5.25E-08	1.53E-08	6.11E-04	1.93E-07	5.61E-08	7.50E-05	2.37E-08	6.88E-09
1086	482309.06, 3852400.14	6.50E-04	2.05E-07	5.97E-08	1.44E-04	4.56E-08	1.33E-08	6.75E-04	2.13E-07	6.20E-08	1.67E-04	5.27E-08	1.53E-08	5.96E-04	1.88E-07	5.47E-08	7.53E-05	2.38E-08	6.91E-09
1087	482209.06, 3852450.14	6.82E-04	2.15E-07	6.26E-08	1.45E-04	4.57E-08	1.33E-08	7.07E-04	2.23E-07	6.49E-08	1.68E-04	5.29E-08	1.54E-08	6.30E-04	1.99E-07	5.78E-08	7.56E-05	2.39E-08	6.94E-09
1088	482259.06, 3852450.14	6.80E-04	2.15E-07	6.24E-08	1.46E-04	4.61E-08	1.34E-08	7.05E-04	2.22E-07	6.47E-08	1.69E-04	5.34E-08	1.55E-08	6.26E-04	1.98E-07	5.75E-08	7.63E-05	2.41E-08	7.00E-09
1089	482309.06, 3852450.14	6.70E-04	2.12E-07	6.16E-08	1.47E-04	4.65E-08	1.35E-08	6.96E-04	2.20E-07	6.39E-08	1.71E-04	5.39E-08	1.57E-08	6.16E-04	1.94E-07	5.65E-08	7.69E-05	2.43E-08	7.06E-09
1090	482209.06, 3852500.14	6.97E-04	2.20E-07	6.39E-08	1.46E-04	4.61E-08	1.34E-08	7.22E-04	2.28E-07	6.62E-08	1.69E-04	5.34E-08	1.55E-08	6.44E-04	2.03E-07	5.91E-08	7.62E-05	2.41E-08	7.00E-09
1091	482259.06, 3852500.14	6.95E-04	2.19E-07	6.38E-08	1.48E-04	4.68E-08	1.36E-08	7.20E-04	2.27E-07	6.61E-08	1.72E-04	5.42E-08	1.58E-08	6.41E-04	2.02E-07	5.88E-08	7.74E-05	2.44E-08	7.10E-09
1092	482309.06, 3852500.14	6.90E-04	2.18E-07	6.33E-08	1.50E-04	4.73E-08	1.38E-08	7.16E-04	2.26E-07	6.57E-08	1.74E-04	5.48E-08	1.59E-08	6.35E-04	2.00E-07	5.83E-08	7.82E-05	2.47E-08	7.18E-09
1093	482283.91, 3852513.62	6.98E-04	2.20E-07	6.41E-08	1.50E-04	4.72E-08	1.37E-08	7.23E-04	2.28E-07	6.64E-08	1.73E-04	5.47E-08	1.59E-08	6.43E-04	2.03E-07	5.90E-08	7.81E-05	2.46E-08	7.17E-09
1094	482333.91, 3852513.62	6.93E-04	2.19E-07	6.37E-08	1.51E-04	4.76E-08	1.39E-08	7.19E-04	2.27E-07	6.60E-08	1.75E-04	5.52E-08	1.60E-08	6.38E-04	2.01E-07	5.86E-08	7.88E-05	2.49E-08	7.23E-09
1095	482283.91, 3852563.62	7.15E-04	2.26E-07	6.56E-08	1.51E-04	4.76E-08	1.38E-08	7.41E-04	2.34E-07	6.80E-08	1.75E-04	5.51E-08	1.60E-08	6.61E-04	2.08E-07	6.06E-08	7.87E-05	2.48E-08	7.22E-09
1096	482333.91, 3852563.62	7.14E-04	2.25E-07	6.56E-08	1.53E-04	4.82E-08	1.40E-08	7.41E-04	2.34E-07	6.80E-08	1.77E-04	5.58E-08	1.62E-08	6.59E-04	2.08E-07	6.05E-08	7.97E-05	2.52E-08	7.32E-09
1097	482383.91, 3852563.62	7.12E-04	2.25E-07	6.54E-08	1.54E-04	4.86E-08	1.41E-08	7.39E-04	2.33E-07	6.78E-08	1.78E-04	5.63E-08	1.64E-08	6.56E-04	2.07E-07	6.02E-08	8.04E-05	2.54E-08	7.38E-09
1098	482283.91, 3852613.62	7.28E-04	2.30E-07	6.68E-08	1.52E-04	4.80E-08	1.40E-08	7.54E-04	2.38E-07	6.92E-08	1.76E-04	5.55E-08	1.62E-08	6.73E-04	2.12E-07	6.18E-08	7.93E-05	2.50E-08	7.28E-09
1099	482333.91, 3852613.62	7.30E-04	2.30E-07	6.70E-08	1.54E-04	4.87E-08	1.42E-08	7.57E-04	2.39E-07	6.95E-08	1.79E-04	5.64E-08	1.64E-08	6.74E-04	2.13E-07	6.19E-08	8.06E-05	2.54E-08	7.40E-09
1100	482383.91, 3852613.62	7.32E-04	2.31E-07	6.72E-08	1.56E-04	4.93E-08	1.43E-08	7.58E-04	2.39E-07	6.96E-08	1.81E-04	5.70E-08	1.66E-08	6.75E-04	2.13E-07	6.20E-08	8.14E-05	2.57E-08	7.48E-09
1101	482602.38, 3852600.87	6.88E-04	2.17E-07	6.31E-08	1.56E-04	4.92E-08	1.43E-08	7.14E-04	2.25E-07	6.56E-08	1.81E-04	5.70E-08	1.66E-08	6.29E-04	1.98E-07	5.77E-08	8.14E-05	2.57E-08	7.47E-09
1102	482652.38, 3852600.87	6.80E-04	2.15E-07	6.24E-08	1.54E-04	4.87E-08	1.42E-08	7.06E-04	2.23E-07	6.49E-08	1.79E-04	5.63E-08	1.64E-08	6.22E-04	1.96E-07	5.71E-08	8.05E-05	2.54E-08	7.39E-09
1103	482702.38, 3852600.87	6.58E-04	2.08E-07	6.04E-08	1.52E-04	4.81E-08	1.40E-08	6.84E-04	2.16E-07	6.28E-08	1.76E-04	5.57E-08	1.62E-08	5.99E-04	1.89E-07	5.50E-08	7.95E-05	2.51E-08	7.30E-09
1104	482552.38, 3852650.87	7.23E-04	2.28E-07	6.64E-08	1.61E-04	5.09E-08	1.48E-08	7.51E-04	2.37E-07	6.89E-08	1.87E-04	5.89E-08	1.71E-08	6.63E-04	2.09E-07	6.09E-08	8.41E-05	2.66E-08	7.72E-09
1105	482602.38, 3852650.87	7.15E-04	2.26E-07	6.56E-08	1.61E-04	5.07E-08	1.47E-08	7.42E-04	2.34E-07	6.81E-08	1.86E-04	5.87E-08	1.71E-08	6.54E-04	2.06E-07	6.01E-08	8.38E-05	2.65E-08	7.69E-09
1106	482652.38, 3852650.87	7.08E-04	2.23E-07	6.50E-08	1.59E-04	5.03E-08	1.46E-08	7.35E-04	2.32E-07	6.75E-08	1.84E-04	5.82E-08	1.69E-08	6.48E-04	2.04E-07	5.95E-08	8.31E-05	2.62E-08	7.63E-09
1107	482702.38, 3852650.87	6.99E-04	2.21E-07	6.42E-08	1.57E-04	4.97E-08	1.45E-08	7.26E-04	2.29E-07	6.66E-08	1.82E-04	5.75E-08	1.67E-08	6.40E-04	2.02E-07	5.87E-08	8.22E-05	2.59E-08	7.54E-09
1108	482552.38, 3852700.87	7.46E-04	2.35E-07	6.85E-08	1.65E-04	5.21E-08	1.52E-08	7.74E-04	2.44E-07	7.11E-08	1.91E-04	6.03E-08	1.75E-08	6.84E-04	2.16E-07	6.28E-08	8.61E-05	2.72E-08	7.91E-09
1109	482602.38, 3852700.87	7.41E-04	2.34E-07	6.81E-08	1.65E-04	5.20E-08	1.51E-08	7.70E-04	2.43E-07	7.07E-08	1.91E-04	6.02E-08	1.75E-08	6.80E-04	2.15E-07	6.24E-08	8.60E-05	2.71E-08	7.90E-09
1110	482652.38, 3852700.87	7.43E-04	2.34E-07	6.82E-08	1.63E-04	5.16E-08	1.50E-08	7.71E-04	2.43E-07	7.08E-08	1.89E-04	5.97E-08	1.74E-08	6.82E-04	2.15E-07	6.26E-08	8.52E-05	2.69E-08	7.83E-09
1111	482702.38, 3852700.87	7.33E-04	2.31E-07	6.73E-08	1.62E-04	5.12E-08	1.49E-08	7.61E-04	2.40E-07	6.98E-08	1.88E-04	5.93E-08	1.72E-08	6.72E-04	2.12E-07	6.17E-08	8.47E-05	2.67E-08	7.77E-09
1112	482452.38, 3852750.87	7.73E-04	2.44E-07	7.10E-08	1.64E-04	5.18E-08	1.51E-08	8.01E-04	2.53E-07	7.36E-08	1.90E-04	6.00E-08	1.74E-08	7.14E-04	2.25E-07	6.55E-08	8.57E-05	2.70E-08	7.86E-09
1113	482521.29, 3852749.74	7.71E-04	2.43E-07	7.07E-08	1.67E-04	5.28E-08	1.54E-08	7.99E-04	2.52E-07	7.34E-08	1.94E-04	6.11E-08	1.78E-08	7.09E-04	2.24E-07	6.51E-08	8.72E-05	2.75E-08	8.01E-09
1114	482571.29, 3852749.74	7.67E-04	2.42E-07	7.04E-08	1.68E-04	5.31E-08	1.55E-08	7.96E-04	2.51E-07	7.31E-08	1.95E-04	6.15E-08	1.79E-08	7.05E-04	2.22E-07	6.47E-08	8.78E-05	2.77E-08	8.06E-09
1115	482521.29, 3852799.74	7.91E-04	2.50E-07	7.26E-08	1.69E-04	5.34E-08	1.55E-08	8.20E-04	2.59E-07	7.53E-08	1.96E-04	6.18E-08	1.80E-08	7.30E-04	2.30E-07	6.70E-08	8.82E-05	2.78E-08	8.10E-09
1116	482571.29, 3852799.74	7.89E-04	2.49E-07	7.25E-08	1.71E-04	5.40E-08	1.57E-08	8.19E-04	2.58E-07	7.52E-08	1.98E-04	6.25E-08	1.82E-08	7.27E-04	2.29E-07	6.67E-08	8.92E-05	2.82E-08	8.19E-09
1117	482621.29, 3852799.74	7.86E-04	2.48E-07	7.21E-08	1.72E-04	5.43E-08	1.58E-08	8.15E-04	2.57E-07	7.48E-08	1.99E-04	6.29E-08	1.83E-08	7.22E-04	2.28E-07	6.63E-08	8.98E-05	2.83E-08	8.25E-09
1118	482571.29, 3852849.74	8.07E-04	2.55E-07	7.41E-08	1.73E-04	5.47E-08	1.59E-08	8.37E-04	2.64E-07	7.68E-08	2.01E-04	6.34E-08	1.84E-08	7.44E-04	2.35E-07	6.83E-08	9.05E-05	2.86E-08	8.31E-09

1119	482621.29, 3852849.74	8.03E-04	2.54E-07	7.37E-08	1.76E-04	5.54E-08	1.61E-08	8.33E-04	2.63E-07	7.65E-08	2.03E-04	6.42E-08	1.87E-08	7.38E-04	2.33E-07	6.78E-08	9.16E-05	2.89E-08	8.41E-09
1120	482577.42, 3852901.55	8.23E-04	2.60E-07	7.56E-08	1.76E-04	5.55E-08	1.61E-08	8.54E-04	2.69E-07	7.84E-08	2.03E-04	6.42E-08	1.87E-08	7.60E-04	2.40E-07	6.97E-08	9.17E-05	2.89E-08	8.41E-09
1121	482627.42, 3852901.55	8.20E-04	2.59E-07	7.53E-08	1.79E-04	5.65E-08	1.64E-08	8.51E-04	2.69E-07	7.81E-08	2.07E-04	6.54E-08	1.90E-08	7.54E-04	2.38E-07	6.93E-08	9.33E-05	2.95E-08	8.57E-09
1122	482629.96, 3852955.85	8.40E-04	2.65E-07	7.71E-08	1.81E-04	5.71E-08	1.66E-08	8.71E-04	2.75E-07	8.00E-08	2.09E-04	6.61E-08	1.92E-08	7.74E-04	2.44E-07	7.11E-08	9.44E-05	2.98E-08	8.67E-09
1123	482679.96, 3852955.85	8.37E-04	2.64E-07	7.69E-08	1.84E-04	5.82E-08	1.69E-08	8.69E-04	2.74E-07	7.98E-08	2.13E-04	6.73E-08	1.96E-08	7.69E-04	2.43E-07	7.06E-08	9.61E-05	3.03E-08	8.82E-09
1124	482781.63, 3853034.48	8.58E-04	2.71E-07	7.88E-08	1.94E-04	6.13E-08	1.78E-08	8.91E-04	2.81E-07	8.18E-08	2.25E-04	7.09E-08	2.06E-08	7.85E-04	2.48E-07	7.20E-08	1.01E-04	3.20E-08	9.30E-09
1125	482831.63, 3853034.48	8.51E-04	2.68E-07	7.81E-08	1.96E-04	6.19E-08	1.80E-08	8.84E-04	2.79E-07	8.12E-08	2.27E-04	7.16E-08	2.08E-08	7.76E-04	2.45E-07	7.12E-08	1.02E-04	3.23E-08	9.39E-09
1126	482881.63, 3853034.48	8.42E-04	2.66E-07	7.73E-08	1.97E-04	6.21E-08	1.80E-08	8.76E-04	2.77E-07	8.04E-08	2.28E-04	7.18E-08	2.09E-08	7.67E-04	2.42E-07	7.04E-08	1.03E-04	3.24E-08	9.41E-09
1127	482781.63, 3853084.48	8.80E-04	2.78E-07	8.08E-08	1.97E-04	6.21E-08	1.81E-08	9.14E-04	2.88E-07	8.39E-08	2.28E-04	7.19E-08	2.09E-08	8.06E-04	2.54E-07	7.40E-08	1.03E-04	3.24E-08	9.42E-09
1128	482831.63, 3853084.48	8.74E-04	2.76E-07	8.02E-08	2.00E-04	6.31E-08	1.84E-08	9.08E-04	2.87E-07	8.34E-08	2.31E-04	7.31E-08	2.12E-08	7.98E-04	2.52E-07	7.32E-08	1.04E-04	3.29E-08	9.57E-09
1129	482881.63, 3853084.48	8.67E-04	2.74E-07	7.96E-08	2.02E-04	6.36E-08	1.85E-08	9.02E-04	2.85E-07	8.28E-08	2.33E-04	7.37E-08	2.14E-08	7.90E-04	2.49E-07	7.25E-08	1.05E-04	3.32E-08	9.66E-09
1130	482781.63, 3853134.48	9.03E-04	2.85E-07	8.29E-08	1.98E-04	6.25E-08	1.82E-08	9.37E-04	2.96E-07	8.60E-08	2.29E-04	7.24E-08	2.11E-08	8.30E-04	2.62E-07	7.62E-08	1.03E-04	3.26E-08	9.49E-09
1131	482831.63, 3853134.48	8.98E-04	2.84E-07	8.25E-08	2.03E-04	6.39E-08	1.86E-08	9.33E-04	2.95E-07	8.57E-08	2.34E-04	7.40E-08	2.15E-08	8.22E-04	2.60E-07	7.55E-08	1.06E-04	3.33E-08	9.70E-09
1132	482881.63, 3853134.48	8.95E-04	2.82E-07	8.22E-08	2.05E-04	6.48E-08	1.89E-08	9.30E-04	2.94E-07	8.54E-08	2.38E-04	7.51E-08	2.18E-08	8.17E-04	2.58E-07	7.50E-08	1.07E-04	3.38E-08	9.84E-09
1133	482831.63, 3853184.48	9.22E-04	2.91E-07	8.47E-08	2.04E-04	6.44E-08	1.87E-08	9.57E-04	3.02E-07	8.79E-08	2.36E-04	7.46E-08	2.17E-08	8.47E-04	2.67E-07	7.77E-08	1.06E-04	3.36E-08	9.77E-09
1134	482881.63, 3853184.48	9.21E-04	2.91E-07	8.45E-08	2.08E-04	6.57E-08	1.91E-08	9.56E-04	3.02E-07	8.78E-08	2.41E-04	7.61E-08	2.21E-08	8.42E-04	2.66E-07	7.73E-08	1.09E-04	3.43E-08	9.97E-09
1135	484154.84, 3854250.98	1.16E-03	3.67E-07	1.07E-07	4.13E-04	1.30E-07	3.79E-08	1.23E-03	3.89E-07	1.13E-07	4.78E-04	1.51E-07	4.39E-08	9.71E-04	3.06E-07	8.91E-08	2.15E-04	6.80E-08	1.98E-08
1136	484204.84, 3854250.98	1.15E-03	3.62E-07	1.05E-07	3.97E-04	1.25E-07	3.65E-08	1.21E-03	3.83E-07	1.11E-07	4.60E-04	1.45E-07	4.22E-08	9.62E-04	3.04E-07	8.83E-08	2.07E-04	6.55E-08	1.90E-08
1137	484154.84, 3854300.98	1.19E-03	3.77E-07	1.10E-07	4.21E-04	1.33E-07	3.87E-08	1.27E-03	3.99E-07	1.16E-07	4.88E-04	1.54E-07	4.48E-08	9.97E-04	3.15E-07	9.15E-08	2.20E-04	6.94E-08	2.02E-08
1138	484204.84, 3854300.98	1.19E-03	3.75E-07	1.09E-07	4.11E-04	1.30E-07	3.77E-08	1.26E-03	3.98E-07	1.16E-07	4.76E-04	1.50E-07	4.37E-08	9.99E-04	3.15E-07	9.17E-08	2.15E-04	6.77E-08	1.97E-08
1139	484074.19, 3854519.8	1.54E-03	4.85E-07	1.41E-07	4.88E-04	1.54E-07	4.48E-08	1.62E-03	5.12E-07	1.49E-07	5.64E-04	1.78E-07	5.18E-08	1.32E-03	4.16E-07	1.21E-07	2.55E-04	8.05E-08	2.34E-08
1140	484124.19, 3854519.8	1.52E-03	4.80E-07	1.40E-07	4.83E-04	1.52E-07	4.43E-08	1.60E-03	5.06E-07	1.47E-07	5.58E-04	1.76E-07	5.13E-08	1.30E-03	4.12E-07	1.20E-07	2.52E-04	7.97E-08	2.32E-08
1141	484074.19, 3854569.8	1.65E-03	5.22E-07	1.52E-07	4.99E-04	1.57E-07	4.58E-08	1.74E-03	5.49E-07	1.60E-07	5.77E-04	1.82E-07	5.30E-08	1.43E-03	4.52E-07	1.31E-07	2.61E-04	8.24E-08	2.40E-08
1142	484124.19, 3854569.8	1.62E-03	5.11E-07	1.49E-07	4.87E-04	1.54E-07	4.47E-08	1.70E-03	5.38E-07	1.56E-07	5.63E-04	1.78E-07	5.17E-08	1.41E-03	4.43E-07	1.29E-07	2.55E-04	8.04E-08	2.34E-08
1143	485205.11, 3855188.89	1.10E-02	3.47E-06	1.01E-06	7.27E-03	2.30E-06	6.68E-07	1.22E-02	3.86E-06	1.12E-06	8.42E-03	2.66E-06	7.73E-07	7.12E-03	2.25E-06	6.54E-07	3.78E-03	1.19E-06	3.47E-07
1144	485255.11, 3855188.89	9.98E-03	3.15E-06	9.17E-07	6.44E-03	2.03E-06	5.92E-07	1.11E-02	3.50E-06	1.02E-06	7.46E-03	2.36E-06	6.85E-07	6.58E-03	2.08E-06	6.04E-07	3.35E-03	1.06E-06	3.07E-07
1145	485205.11, 3855238.89	1.27E-02	4.02E-06	1.17E-06	8.74E-03	2.76E-06	8.02E-07	1.42E-02	4.50E-06	1.31E-06	1.01E-02	3.19E-06	9.29E-07	8.07E-03	2.55E-06	7.41E-07	4.54E-03	1.43E-06	4.17E-07
1146	485255.11, 3855238.89	1.18E-02	3.73E-06	1.09E-06	7.95E-03	2.51E-06	7.30E-07	1.32E-02	4.17E-06	1.21E-06	9.21E-03	2.91E-06	8.45E-07	7.60E-03	2.40E-06	6.98E-07	4.13E-03	1.30E-06	3.79E-07
1147	485205.11, 3855288.89	1.63E-02	5.15E-06	1.50E-06	1.17E-02	3.70E-06	1.08E-06	1.84E-02	5.79E-06	1.69E-06	1.36E-02	4.29E-06	1.25E-06	1.00E-02	3.16E-06	9.20E-07	6.10E-03	1.92E-06	5.60E-07
1148	485255.11, 3855288.89	1.46E-02	4.61E-06	1.34E-06	1.02E-02	3.23E-06	9.39E-07	1.64E-02	5.17E-06	1.50E-06	1.18E-02	3.74E-06	1.09E-06	9.14E-03	2.88E-06	8.39E-07	5.31E-03	1.68E-06	4.88E-07
1149	485255.11, 3855338.89	1.82E-02	5.73E-06	1.67E-06	1.32E-02	4.15E-06	1.21E-06	2.04E-02	6.45E-06	1.88E-06	1.52E-02	4.81E-06	1.40E-06	1.11E-02	3.49E-06	1.02E-06	6.84E-03	2.16E-06	6.28E-07
1150	485305.11, 3855338.89	1.61E-02	5.08E-06	1.48E-06	1.14E-02	3.59E-06	1.05E-06	1.81E-02	5.70E-06	1.66E-06	1.32E-02	4.16E-06	1.21E-06	1.00E-02	3.15E-06	9.18E-07	5.92E-03	1.87E-06	5.43E-07
1151	485852.5, 3855635.28	1.55E-02	4.88E-06	1.42E-06	1.00E-02	3.17E-06	9.21E-07	1.72E-02	5.43E-06	1.58E-06	1.16E-02	3.67E-06	1.07E-06	1.02E-02	3.20E-06	9.32E-07	5.21E-03	1.65E-06	4.79E-07
1152	485902.5, 3855635.28	1.44E-02	4.54E-06	1.32E-06	9.17E-03	2.89E-06	8.41E-07	1.60E-02	5.04E-06	1.47E-06	1.06E-02	3.35E-06	9.75E-07	9.56E-03	3.02E-06	8.77E-07	4.76E-03	1.50E-06	4.37E-07
1153	485852.5, 3855685.28	1.70E-02	5.36E-06	1.56E-06	1.12E-02	3.53E-06	1.03E-06	1.89E-02	5.97E-06	1.74E-06	1.30E-02	4.09E-06	1.19E-06	1.11E-02	3.49E-06	1.01E-06	5.81E-03	1.83E-06	5.34E-07
1154	485902.5, 3855685.28	1.57E-02	4.96E-06	1.44E-06	1.02E-02	3.20E-06	9.32E-07	1.75E-02	5.52E-06	1.60E-06	1.18E-02	3.71E-06	1.08E-06	1.04E-02	3.27E-06	9.51E-07	5.28E-03	1.67E-06	4.84E-07
1155	485852.5, 3855735.28	1.88E-02	5.93E-06	1.72E-06	1.26E-02	3.96E-06	1.15E-06	2.09E-02	6.61E-06	1.92E-06	1.45E-02	4.59E-06	1.34E-06	1.21E-02	3.82E-06	1.11E-06	6.53E-03	2.06E-06	5.99E-07
1156	485902.5, 3855735.28	1.74E-02	5.50E-06	1.60E-06	1.14E-02	3.60E-06	1.05E-06	1.94E-02	6.12E-06	1.78E-06	1.32E-02	4.17E-06	1.21E-06	1.14E-02	3.59E-06	1.04E-06	5.94E-03	1.87E-06	5.45E-07
1157	485852.5, 3855785.28	2.12E-02	6.68E-06	1.94E-06	1.44E-02	4.55E-06	1.32E-06	2.36E-02	7.46E-06	2.17E-06	1.67E-02	5.27E-06	1.53E-06	1.35E-02	4.25E-06	1.24E-06	7.49E-03	2.36E-06	6.88E-07
1158	485902.5, 3855785.28	1.91E-02	6.04E-06	1.76E-06	1.27E-02	4.02E-06	1.17E-06	2.13E-02	6.74E-06	1.96E-06	1.48E-02	4.66E-06	1.36E-06	1.24E-02	3.90E-06	1.14E-06	6.63E-03	2.09E-06	6.08E-07
1159	486809.46, 3856465.28	1.94E-02	6.12E-06	1.78E-06	1.13E-02	3.57E-06	1.04E-06	2.13E-02	6.73E-06	1.96E-06	1.31E-02	4.14E-06	1.20E-06	1.35E-02	4.26E-06	1.24E-06	5.89E-03	1.86E-06	5.40E-07
1160	486859.46, 3856465.28	1.86E-02	5.87E-06	1.71E-06	1.07E-02	3.37E-06	9.80E-07	2.04E-02	6.45E-06	1.88E-06	1.24E-02	3.90E-06	1.14E-06	1.31E-02	4.13E-06	1.20E-06	5.55E-03	1.75E-06	5.09E-07
1161	486909.46, 3856465.28	1.79E-02	5.64E-06	1.64E-06	1.01E-02	3.18E-06	9.25E-07	1.96E-02	6.18E-06	1.80E-06	1.17E-02	3.68E-06	1.07E-06	1.27E-02	3.99E-06	1.16E-06	5.23E-03	1.65E-06	4.81E-07
1162	486809.46, 3856515.28	2.08E-02	6.57E-06	1.91E-06	1.24E-02	3.91E-06	1.14E-06	2.29E-02	7.24E-06	2.11E-06	1.43E-02	4.53E-06	1.32E-06	1.43E-02	4.53E-06	1.32E-06	6.44E-03	2.03E-06	5.91E-07
1163	486859.46, 3856515.28	1.99E-02	6.29E-06	1.83E-06	1.16E-02	3.67E-06	1.07E-06	2.19E-02	6.92E-06	2.01E-06	1.35E-02	4.25E-06	1.24E-06	1.39E-02	4.38E-06	1.27E-06	6.04E-03	1.91E-06	5.54E-07
1164	486909.46, 3856515.28	1.91E-02	6.02E-06	1.75E-06	1.09E-02	3.45E-06	1.00E-06	2.10E-02	6.61E-06	1.92E-06	1.26E-02	3.99E-06	1.16E-06	1.34E-02	4.23E-06	1.23E-06	5.67E-03	1.79E-06	5.21E-07
1165	486980.94, 3856357.95	1.51E-02	4.77E-06	1.39E-06	8.13E-03	2.57E-06	7.46E-07	1.65E-02	5.21E-06	1.52E-06	9.41E-03	2.97E-06	8.64E-07	1.10E-02	3.46E-06	1.01E-06	4.22E-03	1.33E-06	3.88E-07
1166	487030.94, 3856357.95	1.47E-02	4.64E-06	1.35E-06	7.79E-03	2.46E-06	7.15E-07	1.60E-02	5.06E-06	1.47E-06	9.02E-03	2.85E-06	8.28E-07	1.07E-02	3.38E-06	9.84E-07	4.05E-03	1.28E-06	3.72E-07
1167	486980.94, 3856407.95	1.60E-02	5.04E-06	1.47E-06	8.67E-03	2.74E-06	7.96E-07	1.75E-02	5.51E-06	1.60E-06	1.00E-02	3.17E-06	9.22E-07	1.15E-02	3.64E-06	1.06E-06	4.51E-03	1.42E-06	4.14E-07
1168	487030.94, 3856407.95	1.55E-02	4.88E-06	1.42E-06	8.28E-03	2.61E-06	7.60E-07	1.69E-02	5.33E-06	1.55E-06	9.59E-03	3.03E-06	8.81E-07	1.12E-02	3.55E-06	1.03E-06	4.31E-03	1.36E-06	3.95E-07
1169	487447.18, 3856437.45	1.29E-02	4.06E-06	1.18E-06	6.20E-03	1.96E-06	5.69E-07	1.39E-02	4.40E-06	1.28E-06	7.18E-03	2.26E-06	6.59E-07	9.77E-03	3.08E-06	8.97E-07	3.22E-03	1.02E-06	2.96E-07
1170	487497.18, 3856437.45	1.26E-02	3.98E-06	1.16E-06	5.99E-03	1.89E-06	5.50E-07	1.36E-02	4.30E-06	1.25E-06	6.94E-03	2.19E-06	6.37E-07	9.62E-03	3.03E-06	8.83E-07	3.11E-03	9.83E-07	2.86E-07
1171	487547.18, 3856437.45	1.24E-02	3.90E-06	1.13E-06	5.80E-03	1.83E-06	5.32E-07	1.34E-02	4.22E-06	1.23E-06	6.71E-03	2.12E-06	6.16E-07	9.47E-03	2.99E-06	8.70E-07	3.01E-03	9.51E-07	2.77E-07
1172	487447.18, 3856487.45	1.34E-02	4.22E-06	1.23E-06	6.47E-03	2.04E-06	5.94E-07	1.45E-02	4.58E-06	1.33E-06	7.50E-03	2.37E-06	6.88E-07	1.01E-02	3.20E-06	9.31E-07	3.36E-03	1.06E-06	3.09E-07
1173	487497.18, 3856487.45	1.31E-02	4.13E-06	1.20E-06	6.24E-03	1.97E-06	5.73E-07	1.42E-02	4.47E-06	1.30E-06	7.23E-03	2.28E-06	6.64E-07	9.96E-03	3.14E-06	9.15E-07	3.25E-03	1.02E-06	2.98E-07
1174	487547.18, 3856487.45	1.28E-02	4.05E-06	1.18E-06	6.05E-03	1.91E-06	5.55E-07	1.39E-02	4.38E-06	1.27E-06	7.01E-03	2.21E-06	6.43E-07	9.82E-03	3.10E-06	9.01E-07	3.15E-03	9.93E-07	2.89E-07
1175	487447.18, 3856537.45	1.39E-02	4.40E-06	1.28E-06	6.78E-03	2.14E-06	6.23E-07	1.51E-02	4.76E-06	1.39E-06	7.85E-03	2.48E-06	7.21E-07	1.05E-02	3.32E-06	9.66E-07	3.53E-03	1.11E-06	3.24E-07
1176	487497.18, 3856537.45	1.36E-02	4.29E-06	1.25E-06	6.52E-03	2.06E-06	5.99E-07	1.47E-02	4.64E-06	1.35E-06	7.56E-03	2.39E-06	6.94E-07	1.03E-02	3.26E-06	9.48E-07	3.39E-03	1.07E-06	3.11E-07
1177	487547.18, 3856537.45	1.33E-02	4.20E-06	1.22E-06	6.29E-03	1.98E-06	5.77E-07	1.44E-02	4.54E-06	1.32E-06	7.28E-03	2.30E-06	6.69E-07	1.02E-02	3.21E-06	9.33E-07	3.27E-03	1.03E-06	3.00E-07
1178	489285.89, 3858826.54	2.18E-02	6.87E-06	2.00E-06	4.00E-04	1.26E-07	3.67E-08	2.18E-02	6.89E-06	2.01E-06	4.62E-04	1.46E-07	4.24E-08	2.27E-02	7.17E-06	2.09E-06	2.13E-04	6.72E-08	1.95E-08
1179	489335.89, 3858826.54	2.12E-02	6.69E-06	1.95E-06	3.98E-04	1.26E-07	3.66E-08	2.13E-02	6.71E-06	1.95E-06	4.60E-04	1.45E-07	4.22E-08	2.21E-02	6.98E-06	2.03E-06	2.12E-04	6.69E-08	1.95E-08
1180	489385.89, 3858826.54	2.06E-02	6.51E-06	1.89E-06	3.97E-04	1.25E-07	3.65E-08	2.07E-02	6.53E-06	1.90E-06	4.59E-04	1.45E-07	4.21E-08	2.15E-02	6.79E-06	1.97E-06	2.12E-04	6.68E-08	1.94E-08
1181	489435.89, 3858826.54	2.01E-02	6.34E-06	1.85E-06	3.97E-04	1.25E-07	3.64E-08	2.02E-02	6.36E-06	1.85E-06	4.58E-04	1.45E-07	4.20E-08	2.10E-02	6.61E-06	1.92E-06	2.11E-04	6.67E-08	1.94E-08
1182	489485.89, 3858826.54	1.96E-02	6.19E-06	1.80E-06	3.96E-04	1.25E-07	3.64E-08	1.97E-02	6.21E-06	1.81E-06	4.58E-04	1.44E-07	4.20E-08	2.04E-02	6.45E-06	1.88E-06	2.11E-04	6.66E-08	1.94E-08
1183	489535.89, 3858826.54	1.91E-02	6.04E-06	1.76E-06	3.97E-04	1.25E-07	3.64E-08	1.92E-02	6.06E-06	1.76E-06	4.58E-04	1.44E-07	4.20E-08	1.99E-02	6.29E-06	1.83E-06	2.11E-04	6.67E-08	1.94E-08
1184	489585.89, 3858826.54	1.87E-02	5.90E-06	1.72E-06	3.97E-04	1.25E-07	3.65E-08	1.88E-02	5.92E-06	1.72E-06	4.58E-04	1.45E-07	4.21E-08	1.95E-02	6.14E-06	1.79E-06	2.11E-04	6.67E-08	1.94E-08

1185	489635.89, 3858826.54	1.82E-02	5.76E-06	1.67E-06	3.98E-04	1.26E-07	3.65E-08	1.83E-02	5.78E-06	1.68E-06	4.59E-04	1.45E-07	4.22E-08	1.90E-02	5.99E-06	1.74E-06	2.12E-04	6.69E-08	1.95E-08
1186	489685.89, 3858826.54	1.78E-02	5.62E-06	1.64E-06	3.99E-04	1.26E-07	3.67E-08	1.79E-02	5.64E-06	1.64E-06	4.61E-04	1.45E-07	4.23E-08	1.85E-02	5.85E-06	1.70E-06	2.13E-04	6.71E-08	1.95E-08
1187	489735.89, 3858826.54	1.74E-02	5.49E-06	1.60E-06	4.01E-04	1.27E-07	3.68E-08	1.75E-02	5.51E-06	1.60E-06	4.63E-04	1.46E-07	4.25E-08	1.81E-02	5.71E-06	1.66E-06	2.13E-04	6.74E-08	1.96E-08
1188	489785.89, 3858826.54	1.70E-02	5.37E-06	1.56E-06	4.03E-04	1.27E-07	3.70E-08	1.71E-02	5.40E-06	1.57E-06	4.65E-04	1.47E-07	4.27E-08	1.77E-02	5.59E-06	1.63E-06	2.14E-04	6.76E-08	1.97E-08
1189	489835.89, 3858826.54	1.66E-02	5.25E-06	1.53E-06	4.05E-04	1.28E-07	3.72E-08	1.67E-02	5.27E-06	1.53E-06	4.67E-04	1.47E-07	4.29E-08	1.73E-02	5.46E-06	1.59E-06	2.15E-04	6.80E-08	1.98E-08
1190	489885.89, 3858826.54	1.63E-02	5.15E-06	1.50E-06	4.07E-04	1.28E-07	3.73E-08	1.64E-02	5.17E-06	1.50E-06	4.69E-04	1.48E-07	4.31E-08	1.69E-02	5.35E-06	1.56E-06	2.16E-04	6.83E-08	1.99E-08
1191	489935.89, 3858826.54	1.60E-02	5.04E-06	1.47E-06	4.09E-04	1.29E-07	3.75E-08	1.60E-02	5.06E-06	1.47E-06	4.72E-04	1.49E-07	4.33E-08	1.66E-02	5.24E-06	1.52E-06	2.18E-04	6.86E-08	2.00E-08
1192	489985.89, 3858826.54	1.56E-02	4.94E-06	1.44E-06	4.11E-04	1.30E-07	3.78E-08	1.57E-02	4.96E-06	1.44E-06	4.75E-04	1.50E-07	4.36E-08	1.62E-02	5.13E-06	1.49E-06	2.19E-04	6.90E-08	2.01E-08
1193	490035.89, 3858826.54	1.53E-02	4.83E-06	1.40E-06	4.14E-04	1.31E-07	3.80E-08	1.54E-02	4.85E-06	1.41E-06	4.78E-04	1.51E-07	4.39E-08	1.59E-02	5.01E-06	1.46E-06	2.20E-04	6.95E-08	2.02E-08
1194	489285.89, 3858876.54	2.33E-02	7.35E-06	2.14E-06	3.89E-04	1.23E-07	3.57E-08	2.34E-02	7.37E-06	2.14E-06	4.49E-04	1.42E-07	4.13E-08	2.43E-02	7.68E-06	2.23E-06	2.07E-04	6.55E-08	1.90E-08
1195	489335.89, 3858876.54	2.26E-02	7.12E-06	2.07E-06	3.87E-04	1.22E-07	3.56E-08	2.26E-02	7.14E-06	2.08E-06	4.47E-04	1.41E-07	4.10E-08	2.36E-02	7.44E-06	2.16E-06	2.06E-04	6.51E-08	1.89E-08
1196	489385.89, 3858876.54	2.19E-02	6.91E-06	2.01E-06	3.86E-04	1.22E-07	3.54E-08	2.20E-02	6.93E-06	2.02E-06	4.45E-04	1.40E-07	4.09E-08	2.29E-02	7.22E-06	2.10E-06	2.05E-04	6.48E-08	1.89E-08
1197	489435.89, 3858876.54	2.13E-02	6.71E-06	1.95E-06	3.84E-04	1.21E-07	3.53E-08	2.13E-02	6.73E-06	1.96E-06	4.43E-04	1.40E-07	4.07E-08	2.22E-02	7.01E-06	2.04E-06	2.05E-04	6.46E-08	1.88E-08
1198	489485.89, 3858876.54	2.07E-02	6.53E-06	1.90E-06	3.83E-04	1.21E-07	3.52E-08	2.07E-02	6.55E-06	1.90E-06	4.42E-04	1.40E-07	4.06E-08	2.16E-02	6.81E-06	1.98E-06	2.04E-04	6.45E-08	1.88E-08
1199	489535.89, 3858876.54	2.01E-02	6.35E-06	1.85E-06	3.83E-04	1.21E-07	3.52E-08	2.02E-02	6.37E-06	1.85E-06	4.42E-04	1.39E-07	4.06E-08	2.10E-02	6.62E-06	1.93E-06	2.04E-04	6.44E-08	1.87E-08
1200	489585.89, 3858876.54	1.96E-02	6.17E-06	1.80E-06	3.83E-04	1.21E-07	3.52E-08	1.96E-02	6.19E-06	1.80E-06	4.42E-04	1.40E-07	4.06E-08	2.04E-02	6.43E-06	1.87E-06	2.04E-04	6.44E-08	1.87E-08
1201	489635.89, 3858876.54	1.91E-02	6.02E-06	1.75E-06	3.83E-04	1.21E-07	3.52E-08	1.91E-02	6.04E-06	1.76E-06	4.42E-04	1.40E-07	4.06E-08	1.99E-02	6.27E-06	1.82E-06	2.04E-04	6.45E-08	1.87E-08
1202	489685.89, 3858876.54	1.86E-02	5.86E-06	1.70E-06	3.84E-04	1.21E-07	3.53E-08	1.86E-02	5.88E-06	1.71E-06	4.43E-04	1.40E-07	4.07E-08	1.93E-02	6.11E-06	1.78E-06	2.05E-04	6.46E-08	1.88E-08
1203	489735.89, 3858876.54	1.81E-02	5.71E-06	1.66E-06	3.85E-04	1.22E-07	3.54E-08	1.82E-02	5.73E-06	1.67E-06	4.44E-04	1.40E-07	4.08E-08	1.88E-02	5.95E-06	1.73E-06	2.05E-04	6.47E-08	1.88E-08
1204	489785.89, 3858876.54	1.77E-02	5.58E-06	1.62E-06	3.86E-04	1.22E-07	3.55E-08	1.77E-02	5.60E-06	1.63E-06	4.46E-04	1.41E-07	4.09E-08	1.84E-02	5.81E-06	1.69E-06	2.06E-04	6.49E-08	1.89E-08
1205	489835.89, 3858876.54	1.72E-02	5.44E-06	1.58E-06	3.88E-04	1.22E-07	3.56E-08	1.73E-02	5.46E-06	1.59E-06	4.48E-04	1.41E-07	4.11E-08	1.79E-02	5.66E-06	1.65E-06	2.07E-04	6.52E-08	1.90E-08
1206	489885.89, 3858876.54	1.69E-02	5.33E-06	1.55E-06	3.89E-04	1.23E-07	3.57E-08	1.70E-02	5.35E-06	1.56E-06	4.49E-04	1.42E-07	4.13E-08	1.76E-02	5.54E-06	1.61E-06	2.07E-04	6.54E-08	1.90E-08
1207	489935.89, 3858876.54	1.65E-02	5.20E-06	1.51E-06	3.92E-04	1.24E-07	3.59E-08	1.66E-02	5.23E-06	1.52E-06	4.52E-04	1.43E-07	4.15E-08	1.71E-02	5.41E-06	1.57E-06	2.08E-04	6.58E-08	1.91E-08
1208	489985.89, 3858876.54	1.61E-02	5.08E-06	1.48E-06	3.94E-04	1.24E-07	3.62E-08	1.62E-02	5.10E-06	1.48E-06	4.55E-04	1.43E-07	4.17E-08	1.67E-02	5.28E-06	1.54E-06	2.10E-04	6.61E-08	1.92E-08
1209	490035.89, 3858876.54	1.57E-02	4.97E-06	1.44E-06	3.96E-04	1.25E-07	3.64E-08	1.58E-02	4.99E-06	1.45E-06	4.57E-04	1.44E-07	4.20E-08	1.63E-02	5.16E-06	1.50E-06	2.11E-04	6.65E-08	1.93E-08
1210	489285.89, 3858926.54	2.49E-02	7.85E-06	2.28E-06	3.80E-04	1.20E-07	3.49E-08	2.49E-02	7.87E-06	2.29E-06	4.38E-04	1.38E-07	4.02E-08	2.60E-02	8.21E-06	2.39E-06	2.02E-04	6.39E-08	1.86E-08
1211	489335.89, 3858926.54	2.40E-02	7.57E-06	2.20E-06	3.77E-04	1.19E-07	3.46E-08	2.41E-02	7.59E-06	2.21E-06	4.35E-04	1.37E-07	4.00E-08	2.51E-02	7.91E-06	2.30E-06	2.01E-04	6.35E-08	1.85E-08
1212	489385.89, 3858926.54	2.32E-02	7.31E-06	2.13E-06	3.75E-04	1.18E-07	3.45E-08	2.32E-02	7.33E-06	2.13E-06	4.33E-04	1.37E-07	3.98E-08	2.42E-02	7.64E-06	2.22E-06	2.00E-04	6.31E-08	1.84E-08
1213	489435.89, 3858926.54	2.24E-02	7.07E-06	2.06E-06	3.74E-04	1.18E-07	3.43E-08	2.25E-02	7.09E-06	2.06E-06	4.31E-04	1.36E-07	3.96E-08	2.34E-02	7.39E-06	2.15E-06	1.99E-04	6.28E-08	1.83E-08
1214	489485.89, 3858926.54	2.17E-02	6.85E-06	1.99E-06	3.72E-04	1.17E-07	3.42E-08	2.18E-02	6.87E-06	2.00E-06	4.29E-04	1.36E-07	3.94E-08	2.27E-02	7.16E-06	2.08E-06	1.98E-04	6.26E-08	1.82E-08
1215	489535.89, 3858926.54	2.11E-02	6.65E-06	1.93E-06	3.71E-04	1.17E-07	3.41E-08	2.11E-02	6.67E-06	1.94E-06	4.28E-04	1.35E-07	3.93E-08	2.20E-02	6.94E-06	2.02E-06	1.98E-04	6.24E-08	1.82E-08
1216	489585.89, 3858926.54	2.04E-02	6.45E-06	1.88E-06	3.71E-04	1.17E-07	3.40E-08	2.05E-02	6.47E-06	1.88E-06	4.28E-04	1.35E-07	3.93E-08	2.13E-02	6.73E-06	1.96E-06	1.98E-04	6.23E-08	1.81E-08
1217	489635.89, 3858926.54	1.99E-02	6.27E-06	1.82E-06	3.70E-04	1.17E-07	3.40E-08	1.99E-02	6.29E-06	1.83E-06	4.27E-04	1.35E-07	3.92E-08	2.07E-02	6.54E-06	1.90E-06	1.97E-04	6.23E-08	1.81E-08
1218	489685.89, 3858926.54	1.93E-02	6.09E-06	1.77E-06	3.71E-04	1.17E-07	3.40E-08	1.94E-02	6.11E-06	1.78E-06	4.28E-04	1.35E-07	3.93E-08	2.01E-02	6.35E-06	1.85E-06	1.98E-04	6.23E-08	1.81E-08
1219	489735.89, 3858926.54	1.88E-02	5.93E-06	1.73E-06	3.71E-04	1.17E-07	3.41E-08	1.89E-02	5.95E-06	1.73E-06	4.28E-04	1.35E-07	3.93E-08	1.96E-02	6.18E-06	1.80E-06	1.98E-04	6.24E-08	1.81E-08
1220	489785.89, 3858926.54	1.83E-02	5.78E-06	1.68E-06	3.72E-04	1.17E-07	3.41E-08	1.84E-02	5.80E-06	1.69E-06	4.29E-04	1.35E-07	3.94E-08	1.91E-02	6.03E-06	1.75E-06	1.98E-04	6.25E-08	1.82E-08
1221	489835.89, 3858926.54	1.78E-02	5.63E-06	1.64E-06	3.73E-04	1.18E-07	3.42E-08	1.79E-02	5.65E-06	1.64E-06	4.30E-04	1.36E-07	3.95E-08	1.86E-02	5.87E-06	1.71E-06	1.99E-04	6.27E-08	1.82E-08
1222	489885.89, 3858926.54	1.74E-02	5.50E-06	1.60E-06	3.74E-04	1.18E-07	3.43E-08	1.75E-02	5.52E-06	1.61E-06	4.31E-04	1.36E-07	3.96E-08	1.81E-02	5.73E-06	1.67E-06	1.99E-04	6.28E-08	1.83E-08
1223	489935.89, 3858926.54	1.70E-02	5.37E-06	1.56E-06	3.75E-04	1.18E-07	3.45E-08	1.71E-02	5.39E-06	1.57E-06	4.33E-04	1.37E-07	3.98E-08	1.77E-02	5.59E-06	1.62E-06	2.00E-04	6.31E-08	1.84E-08
1224	489985.89, 3858926.54	1.66E-02	5.23E-06	1.52E-06	3.77E-04	1.19E-07	3.47E-08	1.66E-02	5.25E-06	1.53E-06	4.36E-04	1.37E-07	4.00E-08	1.72E-02	5.44E-06	1.58E-06	2.01E-04	6.34E-08	1.84E-08
1225	490035.89, 3858926.54	1.61E-02	5.08E-06	1.48E-06	3.80E-04	1.20E-07	3.49E-08	1.62E-02	5.10E-06	1.48E-06	4.39E-04	1.38E-07	4.03E-08	1.68E-02	5.29E-06	1.54E-06	2.02E-04	6.38E-08	1.86E-08
1226	489335.89, 3858976.54	2.53E-02	8.00E-06	2.33E-06	3.69E-04	1.16E-07	3.38E-08	2.54E-02	8.02E-06	2.33E-06	4.25E-04	1.34E-07	3.90E-08	2.65E-02	8.37E-06	2.43E-06	1.97E-04	6.20E-08	1.80E-08
1227	489385.89, 3858976.54	2.44E-02	7.69E-06	2.24E-06	3.66E-04	1.16E-07	3.36E-08	2.44E-02	7.71E-06	2.24E-06	4.23E-04	1.33E-07	3.88E-08	2.55E-02	8.04E-06	2.34E-06	1.95E-04	6.17E-08	1.79E-08
1228	489435.89, 3858976.54	2.35E-02	7.43E-06	2.16E-06	3.64E-04	1.15E-07	3.34E-08	2.36E-02	7.45E-06	2.17E-06	4.20E-04	1.32E-07	3.85E-08	2.46E-02	7.77E-06	2.26E-06	1.94E-04	6.13E-08	1.78E-08
1229	489485.89, 3858976.54	2.27E-02	7.17E-06	2.09E-06	3.62E-04	1.14E-07	3.32E-08	2.28E-02	7.19E-06	2.09E-06	4.18E-04	1.32E-07	3.84E-08	2.37E-02	7.50E-06	2.18E-06	1.93E-04	6.10E-08	1.77E-08
1230	489535.89, 3858976.54	2.20E-02	6.93E-06	2.02E-06	3.61E-04	1.14E-07	3.31E-08	2.20E-02	6.95E-06	2.02E-06	4.16E-04	1.31E-07	3.82E-08	2.29E-02	7.24E-06	2.11E-06	1.92E-04	6.07E-08	1.77E-08
1231	489585.89, 3858976.54	2.13E-02	6.72E-06	1.95E-06	3.59E-04	1.13E-07	3.30E-08	2.13E-02	6.74E-06	1.96E-06	4.15E-04	1.31E-07	3.81E-08	2.22E-02	7.02E-06	2.04E-06	1.92E-04	6.05E-08	1.76E-08
1232	489635.89, 3858976.54	2.06E-02	6.51E-06	1.89E-06	3.59E-04	1.13E-07	3.29E-08	2.07E-02	6.53E-06	1.90E-06	4.14E-04	1.31E-07	3.80E-08	2.15E-02	6.80E-06	1.98E-06	1.91E-04	6.04E-08	1.76E-08
1233	489685.89, 3858976.54	2.00E-02	6.31E-06	1.84E-06	3.59E-04	1.13E-07	3.29E-08	2.01E-02	6.33E-06	1.84E-06	4.14E-04	1.31E-07	3.80E-08	2.09E-02	6.59E-06	1.92E-06	1.91E-04	6.03E-08	1.76E-08
1234	489735.89, 3858976.54	1.94E-02	6.13E-06	1.78E-06	3.58E-04	1.13E-07	3.29E-08	1.95E-02	6.15E-06	1.79E-06	4.13E-04	1.31E-07	3.80E-08	2.03E-02	6.40E-06	1.86E-06	1.91E-04	6.03E-08	1.75E-08
1235	489785.89, 3858976.54	1.89E-02	5.98E-06	1.74E-06	3.58E-04	1.13E-07	3.29E-08	1.90E-02	5.99E-06	1.74E-06	4.14E-04	1.31E-07	3.80E-08	1.97E-02	6.23E-06	1.81E-06	1.91E-04	6.03E-08	1.75E-08
1236	489835.89, 3858976.54	1.84E-02	5.82E-06	1.69E-06	3.59E-04	1.13E-07	3.29E-08	1.85E-02	5.84E-06	1.70E-06	4.14E-04	1.31E-07	3.80E-08	1.92E-02	6.07E-06	1.77E-06	1.91E-04	6.04E-08	1.76E-08
1237	489885.89, 3858976.54	1.79E-02	5.65E-06	1.64E-06	3.60E-04	1.14E-07	3.30E-08	1.80E-02	5.67E-06	1.65E-06	4.15E-04	1.31E-07	3.81E-08	1.87E-02	5.89E-06	1.71E-06	1.92E-04	6.05E-08	1.76E-08
1238	489935.89, 3858976.54	1.74E-02	5.50E-06	1.60E-06	3.61E-04	1.14E-07	3.32E-08	1.75E-02	5.52E-06	1.61E-06	4.17E-04	1.32E-07	3.83E-08	1.82E-02	5.73E-06	1.67E-06	1.92E-04	6.07E-08	1.77E-08
1239	489985.89, 3858976.54	1.70E-02	5.36E-06	1.56E-06	3.63E-04	1.14E-07	3.33E-08	1.71E-02	5.38E-06	1.57E-06	4.18E-04	1.32E-07	3.84E-08	1.77E-02	5.59E-06	1.62E-06	1.93E-04	6.10E-08	1.77E-08
1240	490035.89, 3858976.54	1.63E-02	5.15E-06	1.50E-06	3.66E-04	1.15E-07	3.36E-08	1.64E-02	5.17E-06	1.50E-06	4.22E-04	1.33E-07	3.87E-08	1.70E-02	5.36E-06	1.56E-06	1.95E-04	6.15E-08	1.79E-08
1241	489385.89, 3859026.54	2.55E-02	8.04E-06	2.34E-06	3.58E-04	1.13E-07	3.29E-08	2.55E-02	8.06E-06	2.34E-06	4.13E-04	1.30E-07	3.79E-08	2.67E-02	8.41E-06	2.45E-06	1.91E-04	6.03E-08	1.76E-08
1242	489435.89, 3859026.54	2.45E-02	7.73E-06	2.25E-06	3.56E-04	1.12E-07	3.26E-08	2.46E-02	7.75E-06	2.26E-06	4.10E-04	1.29E-07	3.77E-08	2.56E-02	8.09E-06	2.35E-06	1.90E-04	5.99E-08	1.74E-08
1243	489485.89, 3859026.54	2.36E-02	7.45E-06	2.17E-06	3.53E-04	1.12E-07	3.24E-08	2.37E-02	7.47E-06	2.17E-06	4.08E-04	1.29E-07	3.74E-08	2.47E-02	7.79E-06	2.27E-06	1.89E-04	5.96E-08	1.73E-08
1244	489535.89, 3859026.54	2.28E-02	7.19E-06	2.09E-06	3.51E-04	1.11E-07	3.23E-08	2.28E-02	7.21E-06	2.10E-06	4.05E-04	1.28E-07	3.72E-08	2.38E-02	7.52E-06	2.19E-06	1.88E-04	5.92E-08	1.72E-08
1245	489585.89, 3859026.54	2.20E-02	6.94E-06	2.02E-06	3.50E-04	1.10E-07	3.21E-08	2.21E-02	6.96E-06	2.02E-06	4.04E-04	1.27E-07	3.71E-08	2.30E-02	7.26E-06	2.11E-06	1.87E-04	5.90E-08	1.72E-08
1246	489635.89, 3859026.54	2.13E-02	6.72E-06	1.96E-06	3.49E-04	1.10E-07	3.20E-08	2.14E-02	6.74E-06	1.96E-06	4.02E-04	1.27E-07	3.69E-08	2.23E-02	7.02E-06	2.04E-06	1.86E-04	5.88E-08	1.71E-08
1247	489685.89, 3859026.54	2.06E-02	6.51E-06	1.89E-06	3.48E-04	1.10E-07	3.19E-08	2.07E-02	6.53E-06	1.90E-06	4.01E-04	1.27E-07	3.68E-08	2.16E-02	6.80E-06	1.98E-06	1.86E-04	5.86E-08	1.70E-08
1248	489735.89, 3859026.54	2.00E-02	6.33E-06	1.84E-06	3.47E-04	1.10E-07	3.19E-08	2.01E-02	6.35E-06	1.85E-06	4.00E-04	1.26E-07	3.68E-08	2.09E-02	6.61E-06	1.92E-06	1.85E-04	5.85E-08	1.70E-08
1249	489785.89, 3859026.54	1.95E-02	6.15E-06	1.79E-06	3.47E-04	1.09E-07	3.18E-08	1.95E-02	6.17E-06	1.79E-06	4.00E-04	1.26E-07	3.67E-08	2.03E-02	6.42E-06	1.87E-06	1.85E-04	5.84E-08	1.70E-08
1250	489835.89, 3859026.54	1.89E-02	5.96E-06	1.73E-06	3.47E-04	1.10E-07	3.19E-08	1.90E-02	5.98E-06	1.74E-06	4.00E-04	1.26E-07	3.68E-08	1.97E-02	6.22E-06	1.81E-06	1.85E-04	5.84E-08	1.70E-08

1251	489885.89, 3859026.54	1.84E-02	5.80E-06	1.69E-06	3.47E-04	1.10E-07	3.19E-08	1.84E-02	5.82E-06	1.69E-06	4.01E-04	1.27E-07	3.68E-08	1.92E-02	6.05E-06	1.76E-06	1.85E-04	5.85E-08	1.70E-08
1252	489935.89, 3859026.54	1.78E-02	5.63E-06	1.64E-06	3.48E-04	1.10E-07	3.20E-08	1.79E-02	5.65E-06	1.64E-06	4.02E-04	1.27E-07	3.69E-08	1.86E-02	5.87E-06	1.71E-06	1.86E-04	5.86E-08	1.70E-08
1253	489985.89, 3859026.54	1.74E-02	5.48E-06	1.59E-06	3.49E-04	1.10E-07	3.21E-08	1.74E-02	5.50E-06	1.60E-06	4.03E-04	1.27E-07	3.70E-08	1.81E-02	5.71E-06	1.66E-06	1.86E-04	5.88E-08	1.71E-08
1254	490035.89, 3859026.54	1.66E-02	5.23E-06	1.52E-06	3.52E-04	1.11E-07	3.23E-08	1.66E-02	5.25E-06	1.53E-06	4.07E-04	1.28E-07	3.73E-08	1.73E-02	5.45E-06	1.59E-06	1.88E-04	5.92E-08	1.72E-08
1255	489485.89, 3859076.54	2.44E-02	7.69E-06	2.24E-06	3.46E-04	1.09E-07	3.17E-08	2.44E-02	7.71E-06	2.24E-06	3.99E-04	1.26E-07	3.66E-08	2.55E-02	8.05E-06	2.34E-06	1.85E-04	5.83E-08	1.70E-08
1256	489535.89, 3859076.54	2.35E-02	7.41E-06	2.15E-06	3.44E-04	1.08E-07	3.15E-08	2.35E-02	7.42E-06	2.16E-06	3.96E-04	1.25E-07	3.64E-08	2.45E-02	7.75E-06	2.25E-06	1.84E-04	5.80E-08	1.69E-08
1257	489585.89, 3859076.54	2.26E-02	7.14E-06	2.08E-06	3.42E-04	1.08E-07	3.14E-08	2.27E-02	7.16E-06	2.08E-06	3.94E-04	1.24E-07	3.62E-08	2.37E-02	7.47E-06	2.17E-06	1.83E-04	5.76E-08	1.68E-08
1258	489635.89, 3859076.54	2.19E-02	6.91E-06	2.01E-06	3.40E-04	1.07E-07	3.12E-08	2.20E-02	6.93E-06	2.02E-06	3.92E-04	1.24E-07	3.60E-08	2.29E-02	7.23E-06	2.10E-06	1.82E-04	5.73E-08	1.67E-08
1259	489685.89, 3859076.54	2.12E-02	6.70E-06	1.95E-06	3.38E-04	1.07E-07	3.11E-08	2.13E-02	6.72E-06	1.95E-06	3.90E-04	1.23E-07	3.58E-08	2.22E-02	7.00E-06	2.04E-06	1.81E-04	5.70E-08	1.66E-08
1260	489735.89, 3859076.54	2.06E-02	6.49E-06	1.89E-06	3.37E-04	1.06E-07	3.10E-08	2.06E-02	6.51E-06	1.89E-06	3.89E-04	1.23E-07	3.57E-08	2.15E-02	6.79E-06	1.97E-06	1.80E-04	5.68E-08	1.65E-08
1261	489785.89, 3859076.54	2.00E-02	6.30E-06	1.83E-06	3.36E-04	1.06E-07	3.09E-08	2.00E-02	6.32E-06	1.84E-06	3.88E-04	1.22E-07	3.56E-08	2.09E-02	6.58E-06	1.91E-06	1.80E-04	5.67E-08	1.65E-08
1262	489835.89, 3859076.54	1.94E-02	6.11E-06	1.78E-06	3.36E-04	1.06E-07	3.09E-08	1.94E-02	6.13E-06	1.78E-06	3.88E-04	1.22E-07	3.56E-08	2.02E-02	6.38E-06	1.86E-06	1.79E-04	5.66E-08	1.65E-08
1263	489885.89, 3859076.54	1.88E-02	5.93E-06	1.72E-06	3.36E-04	1.06E-07	3.09E-08	1.88E-02	5.95E-06	1.73E-06	3.88E-04	1.22E-07	3.56E-08	1.96E-02	6.19E-06	1.80E-06	1.79E-04	5.66E-08	1.65E-08
1264	489935.89, 3859076.54	1.83E-02	5.76E-06	1.68E-06	3.36E-04	1.06E-07	3.09E-08	1.83E-02	5.78E-06	1.68E-06	3.88E-04	1.23E-07	3.56E-08	1.90E-02	6.01E-06	1.75E-06	1.80E-04	5.67E-08	1.65E-08
1265	489985.89, 3859076.54	1.77E-02	5.59E-06	1.63E-06	3.37E-04	1.06E-07	3.10E-08	1.78E-02	5.61E-06	1.63E-06	3.89E-04	1.23E-07	3.57E-08	1.85E-02	5.83E-06	1.70E-06	1.80E-04	5.68E-08	1.65E-08
1266	490035.89, 3859076.54	1.70E-02	5.35E-06	1.56E-06	3.39E-04	1.07E-07	3.12E-08	1.70E-02	5.37E-06	1.56E-06	3.92E-04	1.24E-07	3.60E-08	1.77E-02	5.58E-06	1.62E-06	1.81E-04	5.71E-08	1.66E-08
1267	489585.89, 3859126.54	2.32E-02	7.32E-06	2.13E-06	3.34E-04	1.05E-07	3.07E-08	2.32E-02	7.34E-06	2.13E-06	3.85E-04	1.22E-07	3.54E-08	2.43E-02	7.66E-06	2.23E-06	1.79E-04	5.64E-08	1.64E-08
1268	489635.89, 3859126.54	2.24E-02	7.08E-06	2.06E-06	3.32E-04	1.05E-07	3.05E-08	2.25E-02	7.09E-06	2.06E-06	3.83E-04	1.21E-07	3.51E-08	2.35E-02	7.40E-06	2.15E-06	1.77E-04	5.60E-08	1.63E-08
1269	489685.89, 3859126.54	2.17E-02	6.84E-06	1.99E-06	3.30E-04	1.04E-07	3.03E-08	2.17E-02	6.86E-06	2.00E-06	3.81E-04	1.20E-07	3.49E-08	2.27E-02	7.16E-06	2.08E-06	1.76E-04	5.57E-08	1.62E-08
1270	489735.89, 3859126.54	2.10E-02	6.63E-06	1.93E-06	3.28E-04	1.04E-07	3.01E-08	2.11E-02	6.65E-06	1.93E-06	3.79E-04	1.20E-07	3.48E-08	2.20E-02	6.93E-06	2.02E-06	1.76E-04	5.54E-08	1.61E-08
1271	489785.89, 3859126.54	2.04E-02	6.43E-06	1.87E-06	3.27E-04	1.03E-07	3.00E-08	2.04E-02	6.44E-06	1.87E-06	3.77E-04	1.19E-07	3.46E-08	2.13E-02	6.72E-06	1.95E-06	1.75E-04	5.52E-08	1.61E-08
1272	489835.89, 3859126.54	1.97E-02	6.23E-06	1.81E-06	3.26E-04	1.03E-07	3.00E-08	1.98E-02	6.24E-06	1.82E-06	3.77E-04	1.19E-07	3.46E-08	2.06E-02	6.51E-06	1.89E-06	1.74E-04	5.51E-08	1.60E-08
1273	489885.89, 3859126.54	1.91E-02	6.03E-06	1.75E-06	3.26E-04	1.03E-07	2.99E-08	1.92E-02	6.05E-06	1.76E-06	3.76E-04	1.19E-07	3.45E-08	2.00E-02	6.30E-06	1.83E-06	1.74E-04	5.50E-08	1.60E-08
1274	489935.89, 3859126.54	1.86E-02	5.86E-06	1.70E-06	3.26E-04	1.03E-07	2.99E-08	1.86E-02	5.88E-06	1.71E-06	3.76E-04	1.19E-07	3.45E-08	1.94E-02	6.12E-06	1.78E-06	1.74E-04	5.49E-08	1.60E-08
1275	489985.89, 3859126.54	1.79E-02	5.66E-06	1.65E-06	3.27E-04	1.03E-07	3.00E-08	1.80E-02	5.68E-06	1.65E-06	3.77E-04	1.19E-07	3.46E-08	1.87E-02	5.91E-06	1.72E-06	1.74E-04	5.51E-08	1.60E-08
1276	490035.89, 3859126.54	1.73E-02	5.46E-06	1.59E-06	3.28E-04	1.03E-07	3.01E-08	1.74E-02	5.48E-06	1.59E-06	3.78E-04	1.19E-07	3.47E-08	1.81E-02	5.70E-06	1.66E-06	1.75E-04	5.52E-08	1.61E-08
1277	489585.89, 3859176.54	2.36E-02	7.44E-06	2.16E-06	3.27E-04	1.03E-07	3.00E-08	2.36E-02	7.45E-06	2.17E-06	3.77E-04	1.19E-07	3.46E-08	2.47E-02	7.78E-06	2.26E-06	1.75E-04	5.53E-08	1.61E-08
1278	489635.89, 3859176.54	2.28E-02	7.19E-06	2.09E-06	3.25E-04	1.03E-07	2.98E-08	2.28E-02	7.21E-06	2.10E-06	3.74E-04	1.18E-07	3.44E-08	2.38E-02	7.52E-06	2.19E-06	1.74E-04	5.49E-08	1.60E-08
1279	489685.89, 3859176.54	2.21E-02	6.96E-06	2.02E-06	3.22E-04	1.02E-07	2.96E-08	2.21E-02	6.98E-06	2.03E-06	3.72E-04	1.17E-07	3.41E-08	2.31E-02	7.28E-06	2.12E-06	1.73E-04	5.45E-08	1.58E-08
1280	489735.89, 3859176.54	2.14E-02	6.74E-06	1.96E-06	3.20E-04	1.01E-07	2.94E-08	2.14E-02	6.76E-06	1.97E-06	3.70E-04	1.17E-07	3.39E-08	2.23E-02	7.05E-06	2.05E-06	1.72E-04	5.41E-08	1.57E-08
1281	489785.89, 3859176.54	2.07E-02	6.52E-06	1.90E-06	3.19E-04	1.01E-07	2.93E-08	2.07E-02	6.54E-06	1.90E-06	3.68E-04	1.16E-07	3.38E-08	2.16E-02	6.82E-06	1.98E-06	1.71E-04	5.39E-08	1.57E-08
1282	489835.89, 3859176.54	2.00E-02	6.32E-06	1.84E-06	3.18E-04	1.00E-07	2.92E-08	2.01E-02	6.34E-06	1.84E-06	3.67E-04	1.16E-07	3.37E-08	2.09E-02	6.60E-06	1.92E-06	1.70E-04	5.37E-08	1.56E-08
1283	489885.89, 3859176.54	1.94E-02	6.12E-06	1.78E-06	3.17E-04	1.00E-07	2.91E-08	1.94E-02	6.14E-06	1.79E-06	3.66E-04	1.15E-07	3.36E-08	2.03E-02	6.40E-06	1.86E-06	1.70E-04	5.35E-08	1.56E-08
1284	489935.89, 3859176.54	1.88E-02	5.94E-06	1.73E-06	3.17E-04	9.99E-08	2.91E-08	1.89E-02	5.96E-06	1.73E-06	3.65E-04	1.15E-07	3.35E-08	1.97E-02	6.21E-06	1.81E-06	1.69E-04	5.34E-08	1.55E-08
1285	489985.89, 3859176.54	1.82E-02	5.74E-06	1.67E-06	3.17E-04	1.00E-07	2.91E-08	1.82E-02	5.75E-06	1.67E-06	3.66E-04	1.15E-07	3.36E-08	1.90E-02	5.99E-06	1.74E-06	1.69E-04	5.34E-08	1.55E-08
1286	490035.89, 3859176.54	1.77E-02	5.58E-06	1.62E-06	3.17E-04	1.00E-07	2.91E-08	1.77E-02	5.60E-06	1.63E-06	3.66E-04	1.15E-07	3.36E-08	1.85E-02	5.83E-06	1.69E-06	1.69E-04	5.34E-08	1.55E-08
1287	489685.89, 3859226.54	2.22E-02	7.02E-06	2.04E-06	3.16E-04	9.97E-08	2.90E-08	2.23E-02	7.04E-06	2.05E-06	3.64E-04	1.15E-07	3.34E-08	2.33E-02	7.35E-06	2.14E-06	1.69E-04	5.34E-08	1.55E-08
1288	489735.89, 3859226.54	2.16E-02	6.81E-06	1.98E-06	3.14E-04	9.90E-08	2.88E-08	2.16E-02	6.83E-06	1.99E-06	3.62E-04	1.14E-07	3.32E-08	2.26E-02	7.12E-06	2.07E-06	1.68E-04	5.30E-08	1.54E-08
1289	489785.89, 3859226.54	2.09E-02	6.59E-06	1.92E-06	3.12E-04	9.84E-08	2.86E-08	2.09E-02	6.61E-06	1.92E-06	3.59E-04	1.13E-07	3.30E-08	2.18E-02	6.89E-06	2.01E-06	1.67E-04	5.27E-08	1.53E-08
1290	489835.89, 3859226.54	2.02E-02	6.38E-06	1.85E-06	3.10E-04	9.80E-08	2.85E-08	2.03E-02	6.39E-06	1.86E-06	3.58E-04	1.13E-07	3.29E-08	2.11E-02	6.67E-06	1.94E-06	1.66E-04	5.24E-08	1.53E-08
1291	489885.89, 3859226.54	1.96E-02	6.18E-06	1.80E-06	3.09E-04	9.76E-08	2.84E-08	1.96E-02	6.20E-06	1.80E-06	3.57E-04	1.13E-07	3.27E-08	2.05E-02	6.46E-06	1.88E-06	1.65E-04	5.22E-08	1.52E-08
1292	489935.89, 3859226.54	1.90E-02	5.99E-06	1.74E-06	3.08E-04	9.73E-08	2.83E-08	1.90E-02	6.01E-06	1.75E-06	3.56E-04	1.12E-07	3.26E-08	1.98E-02	6.26E-06	1.82E-06	1.65E-04	5.20E-08	1.51E-08
1293	489985.89, 3859226.54	1.83E-02	5.77E-06	1.68E-06	3.08E-04	9.74E-08	2.83E-08	1.83E-02	5.79E-06	1.68E-06	3.56E-04	1.12E-07	3.27E-08	1.91E-02	6.03E-06	1.75E-06	1.65E-04	5.20E-08	1.51E-08
1294	490035.89, 3859226.54	1.78E-02	5.62E-06	1.64E-06	3.08E-04	9.72E-08	2.83E-08	1.79E-02	5.64E-06	1.64E-06	3.55E-04	1.12E-07	3.26E-08	1.86E-02	5.87E-06	1.71E-06	1.64E-04	5.19E-08	1.51E-08
1295	489735.89, 3859276.54	2.17E-02	6.84E-06	1.99E-06	3.07E-04	9.70E-08	2.82E-08	2.17E-02	6.85E-06	1.99E-06	3.54E-04	1.12E-07	3.25E-08	2.27E-02	7.15E-06	2.08E-06	1.65E-04	5.20E-08	1.51E-08
1296	489785.89, 3859276.54	2.10E-02	6.63E-06	1.93E-06	3.05E-04	9.63E-08	2.80E-08	2.11E-02	6.64E-06	1.93E-06	3.52E-04	1.11E-07	3.23E-08	2.20E-02	6.93E-06	2.02E-06	1.64E-04	5.16E-08	1.50E-08
1297	489835.89, 3859276.54	2.03E-02	6.41E-06	1.86E-06	3.04E-04	9.58E-08	2.79E-08	2.04E-02	6.42E-06	1.87E-06	3.50E-04	1.10E-07	3.21E-08	2.12E-02	6.70E-06	1.95E-06	1.63E-04	5.13E-08	1.49E-08
1298	489885.89, 3859276.54	1.97E-02	6.22E-06	1.81E-06	3.02E-04	9.53E-08	2.77E-08	1.97E-02	6.23E-06	1.81E-06	3.48E-04	1.10E-07	3.20E-08	2.06E-02	6.50E-06	1.89E-06	1.62E-04	5.10E-08	1.48E-08
1299	489935.89, 3859276.54	1.91E-02	6.02E-06	1.75E-06	3.01E-04	9.50E-08	2.76E-08	1.91E-02	6.04E-06	1.76E-06	3.47E-04	1.10E-07	3.19E-08	1.99E-02	6.29E-06	1.83E-06	1.61E-04	5.08E-08	1.48E-08
1300	489985.89, 3859276.54	1.83E-02	5.79E-06	1.68E-06	3.01E-04	9.50E-08	2.76E-08	1.84E-02	5.80E-06	1.69E-06	3.47E-04	1.10E-07	3.19E-08	1.92E-02	6.05E-06	1.76E-06	1.61E-04	5.08E-08	1.48E-08
1301	490035.89, 3859276.54	1.80E-02	5.67E-06	1.65E-06	2.99E-04	9.45E-08	2.75E-08	1.80E-02	5.68E-06	1.65E-06	3.45E-04	1.09E-07	3.17E-08	1.88E-02	5.92E-06	1.72E-06	1.60E-04	5.05E-08	1.47E-08
1302	490458.06, 3859590.74	1.49E-02	4.71E-06	1.37E-06	2.50E-04	7.89E-08	2.29E-08	1.50E-02	4.72E-06	1.37E-06	2.88E-04	9.10E-08	2.65E-08	1.56E-02	4.92E-06	1.43E-06	1.33E-04	4.21E-08	1.23E-08
1303	490508.06, 3859590.74	1.46E-02	4.59E-06	1.34E-06	2.50E-04	7.89E-08	2.29E-08	1.46E-02	4.61E-06	1.34E-06	2.88E-04	9.10E-08	2.65E-08	1.52E-02	4.80E-06	1.40E-06	1.33E-04	4.21E-08	1.22E-08
1304	490558.06, 3859590.74	1.42E-02	4.48E-06	1.30E-06	2.50E-04	7.89E-08	2.30E-08	1.42E-02	4.50E-06	1.31E-06	2.88E-04	9.10E-08	2.65E-08	1.48E-02	4.68E-06	1.36E-06	1.33E-04	4.21E-08	1.22E-08
1305	490608.06, 3859590.74	1.38E-02	4.37E-06	1.27E-06	2.50E-04	7.90E-08	2.30E-08	1.39E-02	4.38E-06	1.28E-06	2.89E-04	9.12E-08	2.65E-08	1.45E-02	4.56E-06	1.33E-06	1.34E-04	4.21E-08	1.23E-08
1306	490658.06, 3859590.74	1.35E-02	4.25E-06	1.24E-06	2.51E-04	7.92E-08	2.30E-08	1.35E-02	4.27E-06	1.24E-06	2.89E-04	9.14E-08	2.66E-08	1.41E-02	4.44E-06	1.29E-06	1.34E-04	4.22E-08	1.23E-08
1307	490708.06, 3859590.74	1.31E-02	4.14E-06	1.20E-06	2.51E-04	7.94E-08	2.31E-08	1.32E-02	4.15E-06	1.21E-06	2.90E-04	9.16E-08	2.66E-08	1.37E-02	4.32E-06	1.26E-06	1.34E-04	4.23E-08	1.23E-08
1308	490758.06, 3859590.74	1.27E-02	4.02E-06	1.17E-06	2.52E-04	7.96E-08	2.32E-08	1.28E-02	4.03E-06	1.17E-06	2.91E-04	9.19E-08	2.67E-08	1.33E-02	4.19E-06	1.22E-06	1.34E-04	4.24E-08	1.23E-08
1309	490808.06, 3859590.74	1.24E-02	3.91E-06	1.14E-06	2.53E-04	7.98E-08	2.32E-08	1.24E-02	3.93E-06	1.14E-06	2.92E-04	9.21E-08	2.68E-08	1.29E-02	4.08E-06	1.19E-06	1.35E-04	4.25E-08	1.24E-08
1310	490858.06, 3859590.74	1.21E-02	3.81E-06	1.11E-06	2.54E-04	8.01E-08	2.33E-08	1.21E-02	3.82E-06	1.11E-06	2.93E-04	9.24E-08	2.69E-08	1.26E-02	3.96E-06	1.15E-06	1.35E-04	4.26E-08	1.24E-08
1311	490458.06, 3859640.74	1.49E-02	4.72E-06	1.37E-06	2.44E-04	7.69E-08	2.24E-08	1.50E-02	4.73E-06	1.38E-06	2.81E-04	8.87E-08	2.58E-08	1.56E-02	4.93E-06	1.43E-06	1.30E-04	4.11E-08	1.19E-08
1312	490508.06, 3859640.74	1.46E-02	4.61E-06	1.34E-06	2.43E-04	7.68E-08	2.23E-08	1.46E-02	4.62E-06	1.34E-06	2.81E-04	8.86E-08	2.58E-08	1.53E-02	4.82E-06	1.40E-06	1.30E-04	4.10E-08	1.19E-08
1313	490558.06, 3859640.74	1.43E-02	4.50E-06	1.31E-06	2.43E-04	7.68E-08	2.23E-08	1.43E-02	4.52E-06	1.31E-06	2.81E-04	8.86E-08	2.58E-08	1.49E-02	4.70E-06	1.37E-06	1.30E-04	4.10E-08	1.19E-08
1314	490608.06, 3859640.74	1.39E-02	4.39E-06	1.28E-06	2.43E-04	7.68E-08	2.24E-08	1.40E-02	4.40E-06	1.28E-06	2.81E-04	8.87E-08	2.58E-08	1.45E-02	4.58E-06	1.33E-06	1.30E-04	4.10E-08	1.19E-08
1315	490658.06, 3859640.74	1.35E-02	4.27E-06	1.24E-06	2.44E-04	7.70E-08	2.24E-08	1.36E-02	4.29E-06	1.25E-06	2.81E-04	8.88E-08	2.58E-08	1.41E-02	4.46E-06	1.30E-06	1.30E-04	4.11E-08	1.19E-08
1316	490708.06, 3859640.74	1.32E-02	4.16E-06	1.21E-06	2.44E-04	7.71E-08	2.24E-08	1.32E-02	4.17E-06	1.21E-06	2.82E-04	8.90E-08	2.59E-08	1.38E-02	4.34E-06	1.26E-06	1.30E-04	4.11E-08	1.20E-08

1317 490758.06, 3859640.74	1.28E-02	4.04E-06	1.18E-06	2.45E-04	7.73E-08	2.25E-08	1.29E-02	4.06E-06	1.18E-06	2.83E-04	8.92E-08	2.59E-08	1.34E-02	4.22E-06	1.23E-06	1.30E-04	4.12E-08	1.20E-08
1318 490808.06, 3859640.74	1.25E-02	3.95E-06	1.15E-06	2.45E-04	7.74E-08	2.25E-08	1.26E-02	3.96E-06	1.15E-06	2.83E-04	8.94E-08	2.60E-08	1.30E-02	4.12E-06	1.20E-06	1.31E-04	4.12E-08	1.20E-08
1319 490858.06, 3859640.74	1.22E-02	3.86E-06	1.12E-06	2.46E-04	7.76E-08	2.26E-08	1.23E-02	3.87E-06	1.13E-06	2.84E-04	8.95E-08	2.60E-08	1.27E-02	4.02E-06	1.17E-06	1.31E-04	4.13E-08	1.20E-08
1320 490608.06, 3859690.74	1.39E-02	4.40E-06	1.28E-06	2.37E-04	7.49E-08	2.18E-08	1.40E-02	4.41E-06	1.28E-06	2.74E-04	8.64E-08	2.51E-08	1.46E-02	4.60E-06	1.34E-06	1.27E-04	3.99E-08	1.16E-08
1321 490658.06, 3859690.74	1.36E-02	4.29E-06	1.25E-06	2.38E-04	7.50E-08	2.18E-08	1.36E-02	4.30E-06	1.25E-06	2.74E-04	8.65E-08	2.52E-08	1.42E-02	4.48E-06	1.30E-06	1.27E-04	4.00E-08	1.16E-08
1322 490708.06, 3859690.74	1.32E-02	4.18E-06	1.22E-06	2.38E-04	7.50E-08	2.18E-08	1.33E-02	4.19E-06	1.22E-06	2.74E-04	8.66E-08	2.52E-08	1.38E-02	4.36E-06	1.27E-06	1.27E-04	4.00E-08	1.16E-08
1323 490758.06, 3859690.74	1.29E-02	4.06E-06	1.18E-06	2.38E-04	7.52E-08	2.19E-08	1.29E-02	4.08E-06	1.19E-06	2.75E-04	8.68E-08	2.52E-08	1.34E-02	4.24E-06	1.23E-06	1.27E-04	4.00E-08	1.16E-08
1324 490808.06, 3859690.74	1.26E-02	3.96E-06	1.15E-06	2.39E-04	7.53E-08	2.19E-08	1.26E-02	3.98E-06	1.16E-06	2.75E-04	8.69E-08	2.53E-08	1.31E-02	4.14E-06	1.20E-06	1.27E-04	4.01E-08	1.17E-08
1325 490858.06, 3859690.74	1.23E-02	3.89E-06	1.13E-06	2.39E-04	7.53E-08	2.19E-08	1.24E-02	3.91E-06	1.14E-06	2.75E-04	8.69E-08	2.53E-08	1.29E-02	4.06E-06	1.18E-06	1.27E-04	4.01E-08	1.17E-08
1326 490708.06, 3859740.74	1.33E-02	4.20E-06	1.22E-06	2.32E-04	7.31E-08	2.13E-08	1.33E-02	4.21E-06	1.22E-06	2.67E-04	8.43E-08	2.45E-08	1.39E-02	4.38E-06	1.27E-06	1.23E-04	3.90E-08	1.13E-08
1327 490758.06, 3859740.74	1.30E-02	4.11E-06	1.19E-06	2.31E-04	7.31E-08	2.12E-08	1.31E-02	4.12E-06	1.20E-06	2.67E-04	8.43E-08	2.45E-08	1.36E-02	4.29E-06	1.25E-06	1.23E-04	3.89E-08	1.13E-08
1328 490808.06, 3859740.74	1.27E-02	4.01E-06	1.17E-06	2.32E-04	7.31E-08	2.13E-08	1.28E-02	4.03E-06	1.17E-06	2.67E-04	8.44E-08	2.45E-08	1.33E-02	4.19E-06	1.22E-06	1.23E-04	3.89E-08	1.13E-08
1329 490858.06, 3859740.74	1.24E-02	3.93E-06	1.14E-06	2.32E-04	7.31E-08	2.13E-08	1.25E-02	3.94E-06	1.15E-06	2.67E-04	8.44E-08	2.45E-08	1.30E-02	4.10E-06	1.19E-06	1.23E-04	3.89E-08	1.13E-08
1330 490786.56, 3859749.39	1.29E-02	4.06E-06	1.18E-06	2.30E-04	7.27E-08	2.12E-08	1.29E-02	4.07E-06	1.18E-06	2.66E-04	8.39E-08	2.44E-08	1.34E-02	4.24E-06	1.23E-06	1.23E-04	3.87E-08	1.13E-08
1331 490836.56, 3859749.39	1.26E-02	3.97E-06	1.15E-06	2.31E-04	7.28E-08	2.12E-08	1.26E-02	3.98E-06	1.16E-06	2.66E-04	8.40E-08	2.44E-08	1.31E-02	4.14E-06	1.20E-06	1.23E-04	3.87E-08	1.13E-08
1332 490786.56, 3859799.39	1.29E-02	4.07E-06	1.19E-06	2.24E-04	7.08E-08	2.06E-08	1.29E-02	4.09E-06	1.19E-06	2.59E-04	8.17E-08	2.38E-08	1.35E-02	4.25E-06	1.24E-06	1.19E-04	3.77E-08	1.10E-08
1333 490836.56, 3859799.39	1.26E-02	3.98E-06	1.16E-06	2.24E-04	7.08E-08	2.06E-08	1.27E-02	4.00E-06	1.16E-06	2.59E-04	8.17E-08	2.38E-08	1.32E-02	4.16E-06	1.21E-06	1.19E-04	3.77E-08	1.10E-08
1334 492307.84, 3854508.36	1.87E-03	5.89E-07	1.71E-07	5.14E-04	1.62E-07	4.72E-08	1.96E-03	6.17E-07	1.79E-07	5.95E-04	1.88E-07	5.46E-08	1.65E-03	5.20E-07	1.51E-07	2.69E-04	8.48E-08	2.47E-08
1335 486445.7, 3854753.6	2.15E-03	6.78E-07	1.97E-07	7.27E-04	2.30E-07	6.68E-08	2.27E-03	7.18E-07	2.09E-07	8.42E-04	2.66E-07	7.73E-08	1.82E-03	5.73E-07	1.67E-07	3.79E-04	1.20E-07	3.48E-08
1336 472599.75, 3877830.11	1.22E-04	3.86E-08	1.12E-08	1.09E-05	3.43E-09	9.97E-10	1.24E-04	3.92E-08	1.14E-08	1.25E-05	3.96E-09	1.15E-09	1.22E-04	3.85E-08	1.12E-08	5.74E-06	1.81E-09	5.27E-10
1337 493107.48, 3866840.19	3.61E-04	1.14E-07	3.32E-08	3.45E-05	1.09E-08	3.17E-09	3.67E-04	1.16E-07	3.37E-08	3.99E-05	1.26E-08	3.66E-09	3.59E-04	1.13E-07	3.30E-08	1.82E-05	5.73E-09	1.67E-09
1338 495815.8, 3861662.87	2.34E-03	7.37E-07	2.14E-07	1.13E-04	3.56E-08	1.04E-08	2.35E-03	7.43E-07	2.16E-07	1.30E-04	4.12E-08	1.20E-08	2.39E-03	7.55E-07	2.20E-07	5.92E-05	1.87E-08	5.44E-09
1339 480272.33, 3841389.2	4.18E-05	1.32E-08	3.83E-09	4.01E-06	1.26E-09	3.68E-10	4.24E-05	1.34E-08	3.89E-09	4.60E-06	1.45E-09	4.22E-10	4.10E-05	1.29E-08	3.77E-09	2.20E-06	6.96E-10	2.02E-10
1340 497005.18, 3862813.64	1.48E-03	4.66E-07	1.36E-07	7.75E-05	2.45E-08	7.12E-09	1.49E-03	4.70E-07	1.37E-07	8.97E-05	2.83E-08	8.23E-09	1.51E-03	4.76E-07	1.39E-07	4.07E-05	1.29E-08	3.74E-09
1341 493677.33, 3860302.55	5.09E-03	1.61E-06	4.67E-07	1.98E-04	6.25E-08	1.82E-08	5.13E-03	1.62E-06	4.71E-07	2.29E-04	7.22E-08	2.10E-08	5.25E-03	1.66E-06	4.82E-07	1.04E-04	3.29E-08	9.58E-09
1342 493727.33, 3860302.55	5.04E-03	1.59E-06	4.63E-07	1.98E-04	6.24E-08	1.82E-08	5.07E-03	1.60E-06	4.66E-07	2.29E-04	7.22E-08	2.10E-08	5.19E-03	1.64E-06	4.77E-07	1.04E-04	3.29E-08	9.57E-09
1343 493777.33, 3860302.55	4.99E-03	1.57E-06	4.58E-07	1.98E-04	6.24E-08	1.82E-08	5.02E-03	1.59E-06	4.61E-07	2.29E-04	7.22E-08	2.10E-08	5.14E-03	1.62E-06	4.72E-07	1.04E-04	3.29E-08	9.57E-09
1344 493827.33, 3860302.55	4.94E-03	1.56E-06	4.53E-07	1.98E-04	6.24E-08	1.81E-08	4.97E-03	1.57E-06	4.56E-07	2.28E-04	7.21E-08	2.10E-08	5.08E-03	1.60E-06	4.67E-07	1.04E-04	3.29E-08	9.57E-09
1345 493877.33, 3860302.55	4.89E-03	1.54E-06	4.49E-07	1.97E-04	6.23E-08	1.81E-08	4.92E-03	1.55E-06	4.52E-07	2.28E-04	7.20E-08	2.09E-08	5.03E-03	1.59E-06	4.62E-07	1.04E-04	3.28E-08	9.55E-09
1346 493927.33, 3860302.55	4.85E-03	1.53E-06	4.45E-07	1.97E-04	6.22E-08	1.81E-08	4.88E-03	1.54E-06	4.48E-07	2.28E-04	7.19E-08	2.09E-08	4.99E-03	1.57E-06	4.58E-07	1.04E-04	3.28E-08	9.53E-09
1347 493977.33, 3860302.55	4.78E-03	1.51E-06	4.39E-07	1.97E-04	6.22E-08	1.81E-08	4.82E-03	1.52E-06	4.42E-07	2.28E-04	7.19E-08	2.09E-08	4.92E-03	1.55E-06	4.52E-07	1.04E-04	3.28E-08	9.54E-09
1348 494027.33, 3860302.55	4.73E-03	1.49E-06	4.34E-07	1.97E-04	6.21E-08	1.81E-08	4.76E-03	1.50E-06	4.37E-07	2.28E-04	7.18E-08	2.09E-08	4.86E-03	1.54E-06	4.47E-07	1.04E-04	3.27E-08	9.53E-09
1349 493677.33, 3860352.55	5.02E-03	1.58E-06	4.61E-07	1.94E-04	6.11E-08	1.78E-08	5.05E-03	1.60E-06	4.64E-07	2.24E-04	7.06E-08	2.05E-08	5.18E-03	1.63E-06	4.75E-07	1.02E-04	3.22E-08	9.36E-09
1350 493727.33, 3860352.55	4.98E-03	1.57E-06	4.57E-07	1.93E-04	6.11E-08	1.78E-08	5.01E-03	1.58E-06	4.60E-07	2.24E-04	7.06E-08	2.05E-08	5.13E-03	1.62E-06	4.71E-07	1.02E-04	3.22E-08	9.36E-09
1351 493777.33, 3860352.55	4.93E-03	1.56E-06	4.53E-07	1.93E-04	6.10E-08	1.78E-08	4.96E-03	1.57E-06	4.56E-07	2.24E-04	7.05E-08	2.05E-08	5.08E-03	1.60E-06	4.66E-07	1.02E-04	3.22E-08	9.36E-09
1352 493827.33, 3860352.55	4.88E-03	1.54E-06	4.48E-07	1.93E-04	6.10E-08	1.77E-08	4.92E-03	1.55E-06	4.51E-07	2.23E-04	7.05E-08	2.05E-08	5.03E-03	1.59E-06	4.62E-07	1.02E-04	3.22E-08	9.35E-09
1353 493877.33, 3860352.55	4.83E-03	1.53E-06	4.44E-07	1.93E-04	6.10E-08	1.77E-08	4.87E-03	1.54E-06	4.47E-07	2.23E-04	7.05E-08	2.05E-08	4.98E-03	1.57E-06	4.57E-07	1.02E-04	3.22E-08	9.35E-09
1354 493927.33, 3860352.55	4.78E-03	1.51E-06	4.39E-07	1.93E-04	6.10E-08	1.78E-08	4.81E-03	1.52E-06	4.42E-07	2.23E-04	7.05E-08	2.05E-08	4.92E-03	1.55E-06	4.52E-07	1.02E-04	3.22E-08	9.36E-09
1355 493977.33, 3860352.55	4.72E-03	1.49E-06	4.34E-07	1.93E-04	6.11E-08	1.78E-08	4.76E-03	1.50E-06	4.37E-07	2.24E-04	7.06E-08	2.05E-08	4.86E-03	1.53E-06	4.46E-07	1.02E-04	3.22E-08	9.36E-09
1356 494027.33, 3860352.55	4.68E-03	1.48E-06	4.30E-07	1.93E-04	6.10E-08	1.77E-08	4.71E-03	1.49E-06	4.33E-07	2.23E-04	7.05E-08	2.05E-08	4.82E-03	1.52E-06	4.42E-07	1.02E-04	3.21E-08	9.35E-09
1357 493677.33, 3860402.55	4.95E-03	1.56E-06	4.55E-07	1.89E-04	5.96E-08	1.73E-08	4.98E-03	1.57E-06	4.58E-07	2.18E-04	6.89E-08	2.00E-08	5.11E-03	1.61E-06	4.69E-07	9.95E-05	3.14E-08	9.13E-09
1358 493727.33, 3860402.55	4.91E-03	1.55E-06	4.50E-07	1.89E-04	5.96E-08	1.73E-08	4.94E-03	1.56E-06	4.53E-07	2.18E-04	6.89E-08	2.00E-08	5.06E-03	1.60E-06	4.64E-07	9.95E-05	3.14E-08	9.13E-09
1359 493777.33, 3860402.55	4.85E-03	1.53E-06	4.46E-07	1.89E-04	5.98E-08	1.74E-08	4.89E-03	1.54E-06	4.49E-07	2.19E-04	6.91E-08	2.01E-08	5.00E-03	1.58E-06	4.59E-07	9.98E-05	3.15E-08	9.16E-09
1360 493827.33, 3860402.55	4.81E-03	1.52E-06	4.42E-07	1.89E-04	5.97E-08	1.74E-08	4.85E-03	1.53E-06	4.45E-07	2.19E-04	6.90E-08	2.01E-08	4.96E-03	1.57E-06	4.55E-07	9.97E-05	3.15E-08	9.15E-09
1361 493877.33, 3860402.55	4.77E-03	1.51E-06	4.38E-07	1.89E-04	5.97E-08	1.74E-08	4.80E-03	1.52E-06	4.41E-07	2.19E-04	6.90E-08	2.01E-08	4.91E-03	1.55E-06	4.51E-07	9.96E-05	3.14E-08	9.15E-09
1362 493927.33, 3860402.55	4.72E-03	1.49E-06	4.33E-07	1.89E-04	5.98E-08	1.74E-08	4.75E-03	1.50E-06	4.36E-07	2.19E-04	6.91E-08	2.01E-08	4.86E-03	1.53E-06	4.46E-07	9.98E-05	3.15E-08	9.16E-09
1363 493977.33, 3860402.55	4.66E-03	1.47E-06	4.28E-07	1.90E-04	5.99E-08	1.74E-08	4.70E-03	1.48E-06	4.31E-07	2.19E-04	6.92E-08	2.01E-08	4.80E-03	1.51E-06	4.41E-07	1.00E-04	3.15E-08	9.18E-09
1364 494027.33, 3860402.55	4.62E-03	1.46E-06	4.25E-07	1.89E-04	5.98E-08	1.74E-08	4.66E-03	1.47E-06	4.27E-07	2.19E-04	6.91E-08	2.01E-08	4.76E-03	1.50E-06	4.37E-07	9.98E-05	3.15E-08	9.16E-09
1365 493677.33, 3860452.55	4.87E-03	1.54E-06	4.47E-07	1.84E-04	5.82E-08	1.69E-08	4.90E-03	1.55E-06	4.50E-07	2.13E-04	6.72E-08	1.96E-08	5.02E-03	1.59E-06	4.61E-07	9.71E-05	3.06E-08	8.91E-09
1366 493727.33, 3860452.55	4.83E-03	1.52E-06	4.44E-07	1.84E-04	5.81E-08	1.69E-08	4.86E-03	1.53E-06	4.46E-07	2.13E-04	6.72E-08	1.95E-08	4.98E-03	1.57E-06	4.57E-07	9.70E-05	3.06E-08	8.91E-09
1367 493777.33, 3860452.55	4.79E-03	1.51E-06	4.40E-07	1.84E-04	5.82E-08	1.69E-08	4.82E-03	1.52E-06	4.42E-07	2.13E-04	6.72E-08	1.96E-08	4.93E-03	1.56E-06	4.53E-07	9.71E-05	3.06E-08	8.91E-09
1368 493827.33, 3860452.55	4.74E-03	1.50E-06	4.35E-07	1.85E-04	5.83E-08	1.70E-08	4.77E-03	1.51E-06	4.38E-07	2.14E-04	6.74E-08	1.96E-08	4.89E-03	1.54E-06	4.49E-07	9.73E-05	3.07E-08	8.94E-09
1369 493877.33, 3860452.55	4.70E-03	1.48E-06	4.31E-07	1.85E-04	5.84E-08	1.70E-08	4.73E-03	1.49E-06	4.34E-07	2.14E-04	6.75E-08	1.96E-08	4.84E-03	1.53E-06	4.44E-07	9.75E-05	3.08E-08	8.95E-09
1370 493927.33, 3860452.55	4.65E-03	1.47E-06	4.26E-07	1.86E-04	5.86E-08	1.70E-08	4.68E-03	1.48E-06	4.29E-07	2.15E-04	6.77E-08	1.97E-08	4.78E-03	1.51E-06	4.39E-07	9.78E-05	3.09E-08	8.98E-09
1371 493977.33, 3860452.55	4.60E-03	1.45E-06	4.23E-07	1.86E-04	5.86E-08	1.70E-08	4.64E-03	1.46E-06	4.26E-07	2.15E-04	6.77E-08	1.97E-08	4.74E-03	1.50E-06	4.35E-07	9.78E-05	3.09E-08	8.98E-09
1372 494027.33, 3860452.55	4.56E-03	1.44E-06	4.19E-07	1.85E-04	5.85E-08	1.70E-08	4.60E-03	1.45E-06	4.22E-07	2.14E-04	6.77E-08	1.97E-08	4.70E-03	1.48E-06	4.31E-07	9.77E-05	3.08E-08	8.97E-09
1373 493677.33, 3860502.55	4.79E-03	1.51E-06	4.40E-07	1.80E-04	5.67E-08	1.65E-08	4.82E-03	1.52E-06	4.43E-07	2.08E-04	6.55E-08	1.91E-08	4.94E-03	1.56E-06	4.54E-07	9.46E-05	2.99E-08	8.69E-09
1374 493727.33, 3860502.55	4.75E-03	1.50E-06	4.36E-07	1.80E-04	5.67E-08	1.65E-08	4.78E-03	1.51E-06	4.39E-07	2.08E-04	6.55E-08	1.91E-08	4.90E-03	1.55E-06	4.50E-07	9.46E-05	2.99E-08	8.69E-09
1375 493777.33, 3860502.55	4.71E-03	1.49E-06	4.32E-07	1.80E-04	5.68E-08	1.65E-08	4.74E-03	1.50E-06	4.35E-07	2.08E-04	6.56E-08	1.91E-08	4.85E-03	1.53E-06	4.46E-07	9.48E-05	2.99E-08	8.70E-09
1376 493827.33, 3860502.55	4.67E-03	1.47E-06	4.28E-07	1.80E-04	5.69E-08	1.65E-08	4.70E-03	1.48E-06	4.31E-07	2.08E-04	6.58E-08	1.91E-08	4.81E-03	1.52E-06	4.41E-07	9.50E-05	3.00E-08	8.72E-09
1377 493877.33, 3860502.55	4.62E-03	1.46E-06	4.24E-07	1.81E-04	5.70E-08	1.66E-08	4.65E-03	1.47E-06	4.27E-07	2.09E-04	6.59E-08	1.92E-08	4.76E-03	1.50E-06	4.37E-07	9.52E-05	3.00E-08	8.74E-09
1378 493927.33, 3860502.55	4.58E-03	1.44E-06	4.20E-07	1.81E-04	5.72E-08	1.66E-08	4.61E-03	1.45E-06	4.23E-07	2.10E-04	6.61E-08	1.92E-08	4.71E-03	1.49E-06	4.33E-07	9.55E-05	3.01E-08	8.77E-09
1379 493977.33, 3860502.55	4.54E-03	1.43E-06	4.17E-07	1.81E-04	5.72E-08	1.66E-08	4.57E-03	1.44E-06	4.19E-07	2.10E-04	6.62E-08	1.92E-08	4.67E-03	1.47E-06	4.29E-07	9.55E-05	3.01E-08	8.77E-09
1380 494027.33, 3860502.55	4.50E-03	1.42E-06	4.13E-07	1.81E-04	5.73E-08	1.67E-08	4.53E-03	1.43E-06	4.16E-07	2.10E-04	6.62E-08	1.92E-08	4.63E-03	1.46E-06	4.25E-07	9.56E-05	3.02E-08	8.77E-09
1381 493627.33, 3860552.55	4.75E-03	1.50E-06	4.36E-07	1.74E-04	5.50E-08	1.60E-08	4.78E-03	1.51E-06	4.39E-07	2.02E-04	6.36E-08	1.85E-08	4.90E-03	1.55E-06	4.50E-07	9.18E-05	2.90E-08	8.43E-09
1382 493677.33, 3860552.55	4.71E-03	1.49E-06	4.33E-07	1.75E-04	5.51E-08	1.60E-08	4.74E-03	1.50E-06	4.35E-07	2.02E-04	6.37E-08	1.85E-08	4.86E-03	1.53E-06	4.46E-07	9.20E-05	2.90E-08	8.44E-09

1383	493727.33, 3860552.55	4.67E-03	1.47E-06	4.29E-07	1.75E-04	5.52E-08	1.60E-08	4.70E-03	1.48E-06	4.31E-07	2.02E-04	6.38E-08	1.86E-08	4.82E-03	1.52E-06	4.42E-07	9.21E-05	2.91E-08	8.45E-09
1384	493777.33, 3860552.55	4.63E-03	1.46E-06	4.25E-07	1.75E-04	5.53E-08	1.61E-08	4.66E-03	1.47E-06	4.28E-07	2.03E-04	6.40E-08	1.86E-08	4.77E-03	1.51E-06	4.38E-07	9.24E-05	2.91E-08	8.48E-09
1385	493827.33, 3860552.55	4.59E-03	1.45E-06	4.21E-07	1.76E-04	5.55E-08	1.62E-08	4.62E-03	1.46E-06	4.24E-07	2.03E-04	6.42E-08	1.87E-08	4.73E-03	1.49E-06	4.34E-07	9.27E-05	2.93E-08	8.51E-09
1386	493877.33, 3860552.55	4.55E-03	1.43E-06	4.17E-07	1.76E-04	5.56E-08	1.62E-08	4.58E-03	1.44E-06	4.20E-07	2.04E-04	6.43E-08	1.87E-08	4.69E-03	1.48E-06	4.30E-07	9.28E-05	2.93E-08	8.52E-09
1387	493927.33, 3860552.55	4.51E-03	1.42E-06	4.14E-07	1.77E-04	5.58E-08	1.62E-08	4.54E-03	1.43E-06	4.16E-07	2.04E-04	6.45E-08	1.88E-08	4.64E-03	1.47E-06	4.26E-07	9.31E-05	2.94E-08	8.54E-09
1388	493977.33, 3860552.55	4.47E-03	1.41E-06	4.10E-07	1.77E-04	5.59E-08	1.63E-08	4.50E-03	1.42E-06	4.13E-07	2.05E-04	6.47E-08	1.88E-08	4.60E-03	1.45E-06	4.22E-07	9.33E-05	2.95E-08	8.57E-09
1389	494027.33, 3860552.55	4.43E-03	1.40E-06	4.06E-07	1.77E-04	5.60E-08	1.63E-08	4.46E-03	1.41E-06	4.09E-07	2.05E-04	6.47E-08	1.88E-08	4.56E-03	1.44E-06	4.19E-07	9.34E-05	2.95E-08	8.57E-09
1390	493627.33, 3860602.55	4.67E-03	1.47E-06	4.28E-07	1.70E-04	5.35E-08	1.56E-08	4.69E-03	1.48E-06	4.31E-07	1.96E-04	6.19E-08	1.80E-08	4.82E-03	1.52E-06	4.42E-07	8.93E-05	2.82E-08	8.20E-09
1391	493727.33, 3860602.55	4.59E-03	1.45E-06	4.21E-07	1.70E-04	5.36E-08	1.56E-08	4.61E-03	1.46E-06	4.24E-07	1.96E-04	6.20E-08	1.80E-08	4.73E-03	1.49E-06	4.34E-07	8.95E-05	2.82E-08	8.21E-09
1392	493777.33, 3860602.55	4.55E-03	1.43E-06	4.17E-07	1.71E-04	5.39E-08	1.57E-08	4.57E-03	1.44E-06	4.20E-07	1.97E-04	6.23E-08	1.81E-08	4.69E-03	1.48E-06	4.30E-07	9.00E-05	2.84E-08	8.26E-09
1393	493827.33, 3860602.55	4.51E-03	1.42E-06	4.14E-07	1.71E-04	5.41E-08	1.57E-08	4.54E-03	1.43E-06	4.16E-07	1.98E-04	6.25E-08	1.82E-08	4.65E-03	1.47E-06	4.27E-07	9.02E-05	2.85E-08	8.28E-09
1394	493877.33, 3860602.55	4.47E-03	1.41E-06	4.10E-07	1.72E-04	5.43E-08	1.58E-08	4.50E-03	1.42E-06	4.13E-07	1.99E-04	6.28E-08	1.83E-08	4.61E-03	1.45E-06	4.23E-07	9.06E-05	2.86E-08	8.32E-09
1395	493927.33, 3860602.55	4.43E-03	1.40E-06	4.07E-07	1.72E-04	5.44E-08	1.58E-08	4.46E-03	1.41E-06	4.09E-07	1.99E-04	6.29E-08	1.83E-08	4.57E-03	1.44E-06	4.19E-07	9.08E-05	2.87E-08	8.34E-09
1396	493977.33, 3860602.55	4.39E-03	1.39E-06	4.03E-07	1.73E-04	5.46E-08	1.59E-08	4.42E-03	1.40E-06	4.06E-07	2.00E-04	6.31E-08	1.84E-08	4.52E-03	1.43E-06	4.15E-07	9.11E-05	2.88E-08	8.36E-09
1397	494027.33, 3860602.55	4.36E-03	1.38E-06	4.00E-07	1.73E-04	5.46E-08	1.59E-08	4.39E-03	1.38E-06	4.03E-07	2.00E-04	6.31E-08	1.84E-08	4.49E-03	1.42E-06	4.12E-07	9.11E-05	2.88E-08	8.37E-09
1398	493627.33, 3860652.55	4.58E-03	1.44E-06	4.20E-07	1.65E-04	5.20E-08	1.51E-08	4.61E-03	1.45E-06	4.23E-07	1.90E-04	6.01E-08	1.75E-08	4.73E-03	1.49E-06	4.34E-07	8.67E-05	2.74E-08	7.96E-09
1399	493727.33, 3860652.55	4.50E-03	1.42E-06	4.13E-07	1.65E-04	5.21E-08	1.52E-08	4.53E-03	1.43E-06	4.16E-07	1.91E-04	6.03E-08	1.75E-08	4.64E-03	1.47E-06	4.26E-07	8.70E-05	2.75E-08	7.99E-09
1400	493777.33, 3860652.55	4.46E-03	1.41E-06	4.10E-07	1.66E-04	5.24E-08	1.52E-08	4.49E-03	1.42E-06	4.12E-07	1.92E-04	6.06E-08	1.76E-08	4.60E-03	1.45E-06	4.23E-07	8.74E-05	2.76E-08	8.03E-09
1401	493827.33, 3860652.55	4.42E-03	1.40E-06	4.06E-07	1.67E-04	5.26E-08	1.53E-08	4.45E-03	1.41E-06	4.09E-07	1.93E-04	6.08E-08	1.77E-08	4.56E-03	1.44E-06	4.19E-07	8.78E-05	2.77E-08	8.06E-09
1402	493877.33, 3860652.55	4.39E-03	1.38E-06	4.03E-07	1.68E-04	5.29E-08	1.54E-08	4.42E-03	1.39E-06	4.05E-07	1.94E-04	6.12E-08	1.78E-08	4.52E-03	1.43E-06	4.15E-07	8.83E-05	2.79E-08	8.10E-09
1403	493927.33, 3860652.55	4.35E-03	1.37E-06	4.00E-07	1.68E-04	5.31E-08	1.54E-08	4.38E-03	1.38E-06	4.02E-07	1.94E-04	6.13E-08	1.78E-08	4.49E-03	1.42E-06	4.12E-07	8.85E-05	2.79E-08	8.13E-09
1404	493977.33, 3860652.55	4.32E-03	1.36E-06	3.96E-07	1.69E-04	5.32E-08	1.55E-08	4.35E-03	1.37E-06	3.99E-07	1.95E-04	6.15E-08	1.79E-08	4.45E-03	1.40E-06	4.08E-07	8.88E-05	2.80E-08	8.15E-09
1405	494027.33, 3860652.55	4.28E-03	1.35E-06	3.93E-07	1.69E-04	5.34E-08	1.55E-08	4.31E-03	1.36E-06	3.96E-07	1.96E-04	6.17E-08	1.80E-08	4.41E-03	1.39E-06	4.05E-07	8.91E-05	2.81E-08	8.18E-09
1406	494311.06, 3858401.99	2.72E-03	8.58E-07	2.50E-07	2.32E-04	7.32E-08	2.13E-08	2.76E-03	8.71E-07	2.53E-07	2.68E-04	8.45E-08	2.46E-08	2.71E-03	8.56E-07	2.49E-07	1.24E-04	3.90E-08	1.13E-08
1407	494361.06, 3858401.99	2.68E-03	8.45E-07	2.46E-07	2.28E-04	7.20E-08	2.09E-08	2.71E-03	8.57E-07	2.49E-07	2.63E-04	8.30E-08	2.42E-08	2.67E-03	8.42E-07	2.45E-07	1.22E-04	3.83E-08	1.12E-08
1408	494411.06, 3858401.99	2.65E-03	8.35E-07	2.43E-07	2.25E-04	7.12E-08	2.07E-08	2.68E-03	8.47E-07	2.46E-07	2.60E-04	8.21E-08	2.39E-08	2.64E-03	8.32E-07	2.42E-07	1.20E-04	3.79E-08	1.10E-08
1409	494461.06, 3858401.99	2.63E-03	8.29E-07	2.41E-07	2.25E-04	7.09E-08	2.06E-08	2.67E-03	8.41E-07	2.45E-07	2.59E-04	8.18E-08	2.38E-08	2.62E-03	8.27E-07	2.40E-07	1.20E-04	3.78E-08	1.10E-08
1410	494511.06, 3858401.99	2.60E-03	8.19E-07	2.38E-07	2.22E-04	7.00E-08	2.04E-08	2.63E-03	8.31E-07	2.42E-07	2.56E-04	8.07E-08	2.35E-08	2.59E-03	8.16E-07	2.37E-07	1.18E-04	3.73E-08	1.08E-08
1411	494561.06, 3858401.99	2.58E-03	8.13E-07	2.37E-07	2.21E-04	6.96E-08	2.03E-08	2.61E-03	8.25E-07	2.40E-07	2.55E-04	8.03E-08	2.34E-08	2.57E-03	8.10E-07	2.36E-07	1.18E-04	3.71E-08	1.08E-08
1412	494611.06, 3858401.99	2.54E-03	8.03E-07	2.34E-07	2.18E-04	6.87E-08	2.00E-08	2.58E-03	8.14E-07	2.37E-07	2.51E-04	7.93E-08	2.31E-08	2.54E-03	8.00E-07	2.33E-07	1.16E-04	3.66E-08	1.07E-08
1413	494661.06, 3858401.99	2.52E-03	7.94E-07	2.31E-07	2.15E-04	6.79E-08	1.98E-08	2.55E-03	8.05E-07	2.34E-07	2.48E-04	7.84E-08	2.28E-08	2.51E-03	7.91E-07	2.30E-07	1.15E-04	3.62E-08	1.05E-08
1414	494711.06, 3858401.99	2.48E-03	7.81E-07	2.27E-07	2.12E-04	6.68E-08	1.94E-08	2.51E-03	7.93E-07	2.31E-07	2.44E-04	7.70E-08	2.24E-08	2.47E-03	7.79E-07	2.26E-07	1.13E-04	3.56E-08	1.04E-08
1415	494761.06, 3858401.99	2.45E-03	7.74E-07	2.25E-07	2.10E-04	6.62E-08	1.93E-08	2.49E-03	7.85E-07	2.28E-07	2.42E-04	7.64E-08	2.22E-08	2.44E-03	7.71E-07	2.24E-07	1.12E-04	3.53E-08	1.03E-08
1416	494811.06, 3858401.99	2.42E-03	7.64E-07	2.22E-07	2.07E-04	6.54E-08	1.90E-08	2.46E-03	7.75E-07	2.25E-07	2.39E-04	7.54E-08	2.19E-08	2.41E-03	7.61E-07	2.21E-07	1.10E-04	3.48E-08	1.01E-08
1417	494861.06, 3858401.99	2.39E-03	7.55E-07	2.20E-07	2.05E-04	6.46E-08	1.88E-08	2.43E-03	7.66E-07	2.23E-07	2.36E-04	7.45E-08	2.17E-08	2.38E-03	7.53E-07	2.19E-07	1.09E-04	3.44E-08	1.00E-08
1418	494911.06, 3858401.99	2.37E-03	7.47E-07	2.17E-07	2.02E-04	6.39E-08	1.86E-08	2.40E-03	7.58E-07	2.20E-07	2.33E-04	7.37E-08	2.14E-08	2.36E-03	7.44E-07	2.16E-07	1.08E-04	3.40E-08	9.90E-09
1419	494961.06, 3858401.99	2.34E-03	7.38E-07	2.15E-07	2.00E-04	6.31E-08	1.83E-08	2.37E-03	7.48E-07	2.18E-07	2.31E-04	7.28E-08	2.12E-08	2.33E-03	7.35E-07	2.14E-07	1.07E-04	3.36E-08	9.78E-09
1420	495011.06, 3858401.99	2.30E-03	7.26E-07	2.11E-07	1.97E-04	6.20E-08	1.80E-08	2.33E-03	7.37E-07	2.14E-07	2.27E-04	7.16E-08	2.08E-08	2.29E-03	7.24E-07	2.11E-07	1.05E-04	3.31E-08	9.62E-09
1421	495061.06, 3858401.99	2.27E-03	7.17E-07	2.09E-07	1.94E-04	6.13E-08	1.78E-08	2.31E-03	7.28E-07	2.12E-07	2.24E-04	7.07E-08	2.06E-08	2.26E-03	7.15E-07	2.08E-07	1.03E-04	3.27E-08	9.50E-09
1422	495111.06, 3858401.99	2.22E-03	7.02E-07	2.04E-07	1.89E-04	5.97E-08	1.74E-08	2.26E-03	7.12E-07	2.07E-07	2.18E-04	6.89E-08	2.00E-08	2.22E-03	7.00E-07	2.03E-07	1.01E-04	3.18E-08	9.26E-09
1423	495161.06, 3858401.99	2.21E-03	6.98E-07	2.03E-07	1.88E-04	5.95E-08	1.73E-08	2.24E-03	7.08E-07	2.06E-07	2.17E-04	6.86E-08	2.00E-08	2.20E-03	6.96E-07	2.02E-07	1.01E-04	3.17E-08	9.23E-09
1424	495211.06, 3858401.99	2.17E-03	6.85E-07	1.99E-07	1.84E-04	5.81E-08	1.69E-08	2.20E-03	6.94E-07	2.02E-07	2.12E-04	6.70E-08	1.95E-08	2.16E-03	6.82E-07	1.98E-07	9.82E-05	3.10E-08	9.02E-09
1425	495261.06, 3858401.99	2.14E-03	6.77E-07	1.97E-07	1.82E-04	5.74E-08	1.67E-08	2.17E-03	6.86E-07	2.00E-07	2.10E-04	6.62E-08	1.93E-08	2.14E-03	6.74E-07	1.96E-07	9.71E-05	3.06E-08	8.91E-09
1426	495311.06, 3858401.99	2.12E-03	6.68E-07	1.94E-07	1.80E-04	5.67E-08	1.65E-08	2.15E-03	6.78E-07	1.97E-07	2.07E-04	6.54E-08	1.90E-08	2.11E-03	6.66E-07	1.94E-07	9.59E-05	3.03E-08	8.80E-09
1427	495361.06, 3858401.99	2.10E-03	6.62E-07	1.93E-07	1.78E-04	5.62E-08	1.64E-08	2.13E-03	6.72E-07	1.95E-07	2.06E-04	6.49E-08	1.89E-08	2.09E-03	6.60E-07	1.92E-07	9.51E-05	3.00E-08	8.73E-09
1428	495411.06, 3858401.99	2.09E-03	6.58E-07	1.92E-07	1.77E-04	5.60E-08	1.63E-08	2.12E-03	6.68E-07	1.94E-07	2.05E-04	6.46E-08	1.88E-08	2.08E-03	6.56E-07	1.91E-07	9.47E-05	2.99E-08	8.70E-09
1429	495461.06, 3858401.99	2.08E-03	6.55E-07	1.91E-07	1.77E-04	5.59E-08	1.63E-08	2.11E-03	6.65E-07	1.93E-07	2.04E-04	6.45E-08	1.88E-08	2.07E-03	6.53E-07	1.90E-07	9.45E-05	2.98E-08	8.68E-09
1430	495511.06, 3858401.99	2.06E-03	6.52E-07	1.90E-07	1.76E-04	5.57E-08	1.62E-08	2.09E-03	6.61E-07	1.92E-07	2.04E-04	6.42E-08	1.87E-08	2.06E-03	6.49E-07	1.89E-07	9.41E-05	2.97E-08	8.64E-09
1431	495561.06, 3858401.99	2.04E-03	6.45E-07	1.88E-07	1.75E-04	5.52E-08	1.61E-08	2.07E-03	6.54E-07	1.90E-07	2.02E-04	6.37E-08	1.85E-08	2.04E-03	6.43E-07	1.87E-07	9.34E-05	2.95E-08	8.57E-09
1432	495611.06, 3858401.99	2.03E-03	6.42E-07	1.87E-07	1.75E-04	5.51E-08	1.60E-08	2.06E-03	6.51E-07	1.89E-07	2.01E-04	6.35E-08	1.85E-08	2.03E-03	6.39E-07	1.86E-07	9.31E-05	2.94E-08	8.55E-09
1433	495661.06, 3858401.99	2.03E-03	6.42E-07	1.87E-07	1.75E-04	5.53E-08	1.61E-08	2.06E-03	6.51E-07	1.89E-07	2.02E-04	6.38E-08	1.85E-08	2.03E-03	6.39E-07	1.86E-07	9.34E-05	2.95E-08	8.58E-09
1434	494311.06, 3858451.99	2.80E-03	8.83E-07	2.57E-07	2.36E-04	7.45E-08	2.17E-08	2.84E-03	8.96E-07	2.60E-07	2.72E-04	8.59E-08	2.50E-08	2.79E-03	8.81E-07	2.56E-07	1.26E-04	3.97E-08	1.15E-08
1435	494361.06, 3858451.99	2.76E-03	8.71E-07	2.53E-07	2.33E-04	7.35E-08	2.14E-08	2.80E-03	8.83E-07	2.57E-07	2.69E-04	8.48E-08	2.47E-08	2.75E-03	8.69E-07	2.53E-07	1.24E-04	3.91E-08	1.14E-08
1436	494411.06, 3858451.99	2.73E-03	8.61E-07	2.50E-07	2.30E-04	7.27E-08	2.11E-08	2.77E-03	8.73E-07	2.54E-07	2.66E-04	8.39E-08	2.44E-08	2.72E-03	8.58E-07	2.50E-07	1.23E-04	3.87E-08	1.13E-08
1437	494461.06, 3858451.99	2.70E-03	8.52E-07	2.48E-07	2.28E-04	7.20E-08	2.09E-08	2.74E-03	8.64E-07	2.51E-07	2.63E-04	8.31E-08	2.42E-08	2.69E-03	8.49E-07	2.47E-07	1.22E-04	3.84E-08	1.12E-08
1438	494511.06, 3858451.99	2.68E-03	8.45E-07	2.46E-07	2.27E-04	7.16E-08	2.08E-08	2.72E-03	8.57E-07	2.49E-07	2.62E-04	8.27E-08	2.40E-08	2.67E-03	8.43E-07	2.45E-07	1.21E-04	3.82E-08	1.11E-08
1439	494561.06, 3858451.99	2.64E-03	8.34E-07	2.43E-07	2.24E-04	7.07E-08	2.06E-08	2.68E-03	8.46E-07	2.46E-07	2.58E-04	8.16E-08	2.37E-08	2.64E-03	8.32E-07	2.42E-07	1.19E-04	3.77E-08	1.10E-08
1440	494611.06, 3858451.99	2.61E-03	8.25E-07	2.40E-07	2.22E-04	7.00E-08	2.04E-08	2.65E-03	8.37E-07	2.43E-07	2.56E-04	8.08E-08	2.35E-08	2.61E-03	8.23E-07	2.39E-07	1.18E-04	3.73E-08	1.09E-08
1441	494661.06, 3858451.99	2.59E-03	8.16E-07	2.37E-07	2.20E-04	6.93E-08	2.02E-08	2.62E-03	8.28E-07	2.41E-07	2.53E-04	8.00E-08	2.33E-08	2.58E-03	8.14E-07	2.37E-07	1.17E-04	3.69E-08	1.07E-08
1442	494711.06, 3858451.99	2.55E-03	8.05E-07	2.34E-07	2.16E-04	6.83E-08	1.99E-08	2.59E-03	8.16E-07	2.37E-07	2.50E-04	7.88E-08	2.29E-08	2.54E-03	8.02E-07	2.33E-07	1.15E-04	3.64E-08	1.06E-08
1443	494761.06, 3858451.99	2.51E-03	7.93E-07	2.31E-07	2.13E-04	6.73E-08	1.96E-08	2.55E-03	8.05E-07	2.34E-07	2.46E-04	7.77E-08	2.26E-08	2.51E-03	7.91E-07	2.30E-07	1.14E-04	3.59E-08	1.04E-08
1444	494811.06, 3858451.99	2.48E-03	7.84E-07	2.28E-07	2.11E-04	6.65E-08	1.94E-08	2.52E-03	7.95E-07	2.31E-07	2.43E-04	7.68E-08	2.23E-08	2.48E-03	7.82E-07	2.27E-07	1.12E-04	3.55E-08	1.03E-08
1445	494861.06, 3858451.99	2.45E-03	7.73E-07	2.25E-07	2.08E-04	6.56E-08	1.91E-08	2.49E-03	7.84E-07	2.28E-07	2.40E-04	7.57E-08	2.20E-08	2.44E-03	7.71E-07	2.24E-07	1.11E-04	3.49E-08	1.02E-08
1446	494911.06, 3858451.99	2.41E-03	7.61E-07	2.21E-07	2.04E-04	6.45E-08	1.88E-08	2.44E-03	7.72E-07	2.24E-07	2.36E-04	7.44E-08	2.17E-08	2.40E-03	7.58E-07	2.21E-07	1.09E-04	3.44E-08	1.00E-08
1447	494961.06, 3858451.99	2.38E-03	7.50E-07	2.18E-07	2.01E-04	6.35E-08	1.85E-08	2.41E-03	7.61E-07	2.21E-07	2.32E-04	7.33E-08	2.13E-08	2.37E-03	7.48E-07	2.18E-07	1.07E-04	3.38E-08	9.85E-09
1448	495011.06, 3858451.99	2.34E-03	7.38E-07	2.15E-07	1.98E-04	6.24E-08	1.81E-08	2.37E-03	7.49E-07	2.18E-07	2.28E-04	7.20E-08	2.09E-08	2.33E-03	7.36E-07	2.14E-07	1.05E-04	3.33E-08	9.68E-09

1449	495061.06, 3858451.99	2.32E-03	7.32E-07	2.13E-07	1.96E-04	6.19E-08	1.80E-08	2.35E-03	7.43E-07	2.16E-07	2.26E-04	7.15E-08	2.08E-08	2.31E-03	7.30E-07	2.12E-07	1.05E-04	3.30E-08	9.60E-09
1450	495111.06, 3858451.99	2.28E-03	7.21E-07	2.10E-07	1.93E-04	6.09E-08	1.77E-08	2.32E-03	7.31E-07	2.13E-07	2.23E-04	7.02E-08	2.04E-08	2.28E-03	7.19E-07	2.09E-07	1.03E-04	3.25E-08	9.44E-09
1451	495161.06, 3858451.99	2.24E-03	7.08E-07	2.06E-07	1.89E-04	5.97E-08	1.74E-08	2.27E-03	7.18E-07	2.09E-07	2.18E-04	6.88E-08	2.00E-08	2.24E-03	7.06E-07	2.05E-07	1.01E-04	3.18E-08	9.26E-09
1452	495211.06, 3858451.99	2.21E-03	6.96E-07	2.02E-07	1.86E-04	5.86E-08	1.70E-08	2.24E-03	7.06E-07	2.05E-07	2.14E-04	6.76E-08	1.97E-08	2.20E-03	6.94E-07	2.02E-07	9.90E-05	3.13E-08	9.09E-09
1453	495261.06, 3858451.99	2.18E-03	6.88E-07	2.00E-07	1.84E-04	5.79E-08	1.69E-08	2.21E-03	6.98E-07	2.03E-07	2.12E-04	6.68E-08	1.94E-08	2.17E-03	6.86E-07	2.00E-07	9.79E-05	3.09E-08	8.99E-09
1454	495311.06, 3858451.99	2.16E-03	6.81E-07	1.98E-07	1.82E-04	5.74E-08	1.67E-08	2.19E-03	6.91E-07	2.01E-07	2.10E-04	6.62E-08	1.93E-08	2.15E-03	6.80E-07	1.98E-07	9.70E-05	3.06E-08	8.91E-09
1455	495361.06, 3858451.99	2.14E-03	6.76E-07	1.97E-07	1.80E-04	5.69E-08	1.66E-08	2.17E-03	6.85E-07	1.99E-07	2.08E-04	6.57E-08	1.91E-08	2.13E-03	6.74E-07	1.96E-07	9.62E-05	3.04E-08	8.83E-09
1456	495411.06, 3858451.99	2.13E-03	6.72E-07	1.96E-07	1.80E-04	5.68E-08	1.65E-08	2.16E-03	6.82E-07	1.98E-07	2.08E-04	6.55E-08	1.91E-08	2.12E-03	6.70E-07	1.95E-07	9.59E-05	3.03E-08	8.81E-09
1457	495461.06, 3858451.99	2.12E-03	6.69E-07	1.95E-07	1.80E-04	5.67E-08	1.65E-08	2.15E-03	6.79E-07	1.97E-07	2.07E-04	6.54E-08	1.90E-08	2.11E-03	6.67E-07	1.94E-07	9.58E-05	3.02E-08	8.79E-09
1458	495511.06, 3858451.99	2.10E-03	6.63E-07	1.93E-07	1.78E-04	5.62E-08	1.63E-08	2.13E-03	6.72E-07	1.95E-07	2.05E-04	6.48E-08	1.88E-08	2.09E-03	6.61E-07	1.92E-07	9.49E-05	3.00E-08	8.71E-09
1459	495561.06, 3858451.99	2.10E-03	6.62E-07	1.93E-07	1.78E-04	5.63E-08	1.64E-08	2.13E-03	6.71E-07	1.95E-07	2.06E-04	6.50E-08	1.89E-08	2.09E-03	6.60E-07	1.92E-07	9.52E-05	3.00E-08	8.74E-09
1460	495611.06, 3858451.99	2.07E-03	6.54E-07	1.90E-07	1.76E-04	5.57E-08	1.62E-08	2.10E-03	6.63E-07	1.93E-07	2.03E-04	6.42E-08	1.87E-08	2.07E-03	6.52E-07	1.90E-07	9.40E-05	2.97E-08	8.63E-09
1461	495661.06, 3858451.99	2.07E-03	6.52E-07	1.90E-07	1.76E-04	5.56E-08	1.62E-08	2.10E-03	6.61E-07	1.92E-07	2.03E-04	6.42E-08	1.87E-08	2.06E-03	6.50E-07	1.89E-07	9.40E-05	2.97E-08	8.63E-09
1462	494311.06, 3858501.99	2.84E-03	8.96E-07	2.61E-07	2.36E-04	7.43E-08	2.16E-08	2.88E-03	9.08E-07	2.64E-07	2.72E-04	8.58E-08	2.50E-08	2.83E-03	8.94E-07	2.60E-07	1.25E-04	3.96E-08	1.15E-08
1463	494361.06, 3858501.99	2.81E-03	8.87E-07	2.58E-07	2.34E-04	7.38E-08	2.15E-08	2.85E-03	9.00E-07	2.62E-07	2.70E-04	8.51E-08	2.48E-08	2.81E-03	8.86E-07	2.58E-07	1.24E-04	3.93E-08	1.14E-08
1464	494411.06, 3858501.99	2.78E-03	8.77E-07	2.55E-07	2.31E-04	7.31E-08	2.13E-08	2.82E-03	8.90E-07	2.59E-07	2.67E-04	8.43E-08	2.45E-08	2.78E-03	8.76E-07	2.55E-07	1.23E-04	3.89E-08	1.13E-08
1465	494461.06, 3858501.99	2.76E-03	8.71E-07	2.53E-07	2.30E-04	7.27E-08	2.11E-08	2.80E-03	8.83E-07	2.57E-07	2.66E-04	8.39E-08	2.44E-08	2.75E-03	8.69E-07	2.53E-07	1.23E-04	3.87E-08	1.13E-08
1466	494511.06, 3858501.99	2.72E-03	8.58E-07	2.50E-07	2.27E-04	7.16E-08	2.08E-08	2.76E-03	8.70E-07	2.53E-07	2.62E-04	8.27E-08	2.40E-08	2.71E-03	8.56E-07	2.49E-07	1.21E-04	3.82E-08	1.11E-08
1467	494561.06, 3858501.99	2.72E-03	8.57E-07	2.49E-07	2.28E-04	7.19E-08	2.09E-08	2.75E-03	8.69E-07	2.53E-07	2.63E-04	8.29E-08	2.41E-08	2.71E-03	8.55E-07	2.49E-07	1.21E-04	3.83E-08	1.11E-08
1468	494611.06, 3858501.99	2.68E-03	8.46E-07	2.46E-07	2.25E-04	7.10E-08	2.07E-08	2.72E-03	8.58E-07	2.50E-07	2.60E-04	8.19E-08	2.38E-08	2.67E-03	8.44E-07	2.46E-07	1.20E-04	3.78E-08	1.10E-08
1469	494661.06, 3858501.99	2.66E-03	8.38E-07	2.44E-07	2.23E-04	7.05E-08	2.05E-08	2.69E-03	8.50E-07	2.47E-07	2.58E-04	8.14E-08	2.37E-08	2.65E-03	8.37E-07	2.43E-07	1.19E-04	3.75E-08	1.09E-08
1470	494711.06, 3858501.99	2.62E-03	8.26E-07	2.40E-07	2.20E-04	6.95E-08	2.02E-08	2.66E-03	8.38E-07	2.44E-07	2.54E-04	8.02E-08	2.33E-08	2.61E-03	8.25E-07	2.40E-07	1.17E-04	3.70E-08	1.08E-08
1471	494761.06, 3858501.99	2.58E-03	8.13E-07	2.36E-07	2.16E-04	6.83E-08	1.99E-08	2.61E-03	8.24E-07	2.40E-07	2.50E-04	7.88E-08	2.29E-08	2.57E-03	8.11E-07	2.36E-07	1.15E-04	3.64E-08	1.06E-08
1472	494811.06, 3858501.99	2.54E-03	8.01E-07	2.33E-07	2.13E-04	6.72E-08	1.96E-08	2.57E-03	8.12E-07	2.36E-07	2.46E-04	7.76E-08	2.26E-08	2.53E-03	7.99E-07	2.32E-07	1.13E-04	3.58E-08	1.04E-08
1473	494861.06, 3858501.99	2.51E-03	7.92E-07	2.30E-07	2.11E-04	6.65E-08	1.94E-08	2.54E-03	8.03E-07	2.34E-07	2.43E-04	7.68E-08	2.23E-08	2.50E-03	7.90E-07	2.30E-07	1.12E-04	3.54E-08	1.03E-08
1474	494911.06, 3858501.99	2.46E-03	7.76E-07	2.26E-07	2.06E-04	6.50E-08	1.89E-08	2.49E-03	7.87E-07	2.29E-07	2.38E-04	7.51E-08	2.18E-08	2.45E-03	7.74E-07	2.25E-07	1.10E-04	3.47E-08	1.01E-08
1475	494961.06, 3858501.99	2.43E-03	7.67E-07	2.23E-07	2.04E-04	6.43E-08	1.87E-08	2.46E-03	7.78E-07	2.26E-07	2.35E-04	7.42E-08	2.16E-08	2.42E-03	7.65E-07	2.23E-07	1.09E-04	3.42E-08	9.96E-09
1476	495011.06, 3858501.99	2.39E-03	7.53E-07	2.19E-07	2.00E-04	6.30E-08	1.83E-08	2.42E-03	7.63E-07	2.22E-07	2.30E-04	7.27E-08	2.11E-08	2.38E-03	7.51E-07	2.19E-07	1.06E-04	3.36E-08	9.77E-09
1477	495061.06, 3858501.99	2.36E-03	7.46E-07	2.17E-07	1.98E-04	6.25E-08	1.82E-08	2.40E-03	7.57E-07	2.20E-07	2.29E-04	7.22E-08	2.10E-08	2.36E-03	7.45E-07	2.17E-07	1.06E-04	3.33E-08	9.69E-09
1478	495111.06, 3858501.99	2.31E-03	7.30E-07	2.12E-07	1.93E-04	6.10E-08	1.77E-08	2.35E-03	7.40E-07	2.15E-07	2.23E-04	7.03E-08	2.05E-08	2.31E-03	7.28E-07	2.12E-07	1.03E-04	3.25E-08	9.45E-09
1479	495161.06, 3858501.99	2.28E-03	7.19E-07	2.09E-07	1.90E-04	6.00E-08	1.75E-08	2.31E-03	7.29E-07	2.12E-07	2.19E-04	6.92E-08	2.01E-08	2.27E-03	7.18E-07	2.09E-07	1.01E-04	3.20E-08	9.30E-09
1480	495211.06, 3858501.99	2.24E-03	7.08E-07	2.06E-07	1.87E-04	5.90E-08	1.72E-08	2.28E-03	7.18E-07	2.09E-07	2.16E-04	6.81E-08	1.98E-08	2.24E-03	7.07E-07	2.06E-07	9.97E-05	3.15E-08	9.16E-09
1481	495261.06, 3858501.99	2.22E-03	7.01E-07	2.04E-07	1.85E-04	5.84E-08	1.70E-08	2.25E-03	7.10E-07	2.07E-07	2.14E-04	6.74E-08	1.96E-08	2.21E-03	6.99E-07	2.03E-07	9.87E-05	3.11E-08	9.06E-09
1482	495311.06, 3858501.99	2.20E-03	6.95E-07	2.02E-07	1.84E-04	5.81E-08	1.69E-08	2.23E-03	7.05E-07	2.05E-07	2.12E-04	6.70E-08	1.95E-08	2.20E-03	6.94E-07	2.02E-07	9.81E-05	3.10E-08	9.01E-09
1483	495361.06, 3858501.99	2.19E-03	6.90E-07	2.01E-07	1.83E-04	5.78E-08	1.68E-08	2.22E-03	7.00E-07	2.04E-07	2.11E-04	6.67E-08	1.94E-08	2.18E-03	6.89E-07	2.00E-07	9.76E-05	3.08E-08	8.96E-09
1484	495411.06, 3858501.99	2.17E-03	6.86E-07	2.00E-07	1.83E-04	5.76E-08	1.68E-08	2.20E-03	6.96E-07	2.02E-07	2.11E-04	6.65E-08	1.93E-08	2.17E-03	6.85E-07	1.99E-07	9.73E-05	3.07E-08	8.93E-09
1485	495461.06, 3858501.99	2.16E-03	6.83E-07	1.99E-07	1.82E-04	5.74E-08	1.67E-08	2.19E-03	6.92E-07	2.01E-07	2.10E-04	6.63E-08	1.93E-08	2.16E-03	6.81E-07	1.98E-07	9.70E-05	3.06E-08	8.91E-09
1486	495511.06, 3858501.99	2.15E-03	6.78E-07	1.97E-07	1.81E-04	5.71E-08	1.66E-08	2.18E-03	6.87E-07	2.00E-07	2.09E-04	6.59E-08	1.92E-08	2.14E-03	6.76E-07	1.97E-07	9.65E-05	3.05E-08	8.86E-09
1487	495561.06, 3858501.99	2.14E-03	6.77E-07	1.97E-07	1.81E-04	5.73E-08	1.67E-08	2.17E-03	6.86E-07	2.00E-07	2.09E-04	6.61E-08	1.92E-08	2.14E-03	6.75E-07	1.96E-07	9.67E-05	3.05E-08	8.88E-09
1488	495611.06, 3858501.99	2.13E-03	6.71E-07	1.95E-07	1.80E-04	5.69E-08	1.66E-08	2.16E-03	6.81E-07	1.98E-07	2.08E-04	6.57E-08	1.91E-08	2.12E-03	6.69E-07	1.95E-07	9.61E-05	3.03E-08	8.83E-09
1489	495661.06, 3858501.99	2.11E-03	6.67E-07	1.94E-07	1.80E-04	5.67E-08	1.65E-08	2.14E-03	6.77E-07	1.97E-07	2.07E-04	6.54E-08	1.90E-08	2.11E-03	6.65E-07	1.94E-07	9.58E-05	3.02E-08	8.79E-09
1490	494311.06, 3858551.99	2.84E-03	8.96E-07	2.61E-07	2.31E-04	7.30E-08	2.12E-08	2.88E-03	9.09E-07	2.64E-07	2.67E-04	8.43E-08	2.45E-08	2.84E-03	8.96E-07	2.61E-07	1.23E-04	3.89E-08	1.13E-08
1491	494361.06, 3858551.99	2.85E-03	8.99E-07	2.61E-07	2.33E-04	7.36E-08	2.14E-08	2.89E-03	9.11E-07	2.65E-07	2.69E-04	8.50E-08	2.47E-08	2.85E-03	8.98E-07	2.61E-07	1.24E-04	3.92E-08	1.14E-08
1492	494411.06, 3858551.99	2.85E-03	9.00E-07	2.62E-07	2.34E-04	7.39E-08	2.15E-08	2.89E-03	9.12E-07	2.65E-07	2.70E-04	8.53E-08	2.48E-08	2.85E-03	8.99E-07	2.61E-07	1.25E-04	3.94E-08	1.14E-08
1493	494461.06, 3858551.99	2.84E-03	8.95E-07	2.60E-07	2.34E-04	7.38E-08	2.15E-08	2.88E-03	9.08E-07	2.64E-07	2.70E-04	8.52E-08	2.48E-08	2.83E-03	8.94E-07	2.60E-07	1.25E-04	3.93E-08	1.14E-08
1494	494511.06, 3858551.99	2.81E-03	8.87E-07	2.58E-07	2.32E-04	7.33E-08	2.13E-08	2.85E-03	9.00E-07	2.62E-07	2.68E-04	8.46E-08	2.46E-08	2.81E-03	8.86E-07	2.58E-07	1.24E-04	3.90E-08	1.14E-08
1495	494561.06, 3858551.99	2.79E-03	8.80E-07	2.56E-07	2.31E-04	7.29E-08	2.12E-08	2.83E-03	8.93E-07	2.60E-07	2.67E-04	8.42E-08	2.45E-08	2.79E-03	8.79E-07	2.56E-07	1.23E-04	3.88E-08	1.13E-08
1496	494611.06, 3858551.99	2.76E-03	8.71E-07	2.53E-07	2.29E-04	7.23E-08	2.10E-08	2.80E-03	8.83E-07	2.57E-07	2.64E-04	8.34E-08	2.43E-08	2.76E-03	8.70E-07	2.53E-07	1.22E-04	3.85E-08	1.12E-08
1497	494661.06, 3858551.99	2.73E-03	8.62E-07	2.51E-07	2.27E-04	7.17E-08	2.09E-08	2.77E-03	8.74E-07	2.54E-07	2.62E-04	8.28E-08	2.41E-08	2.73E-03	8.61E-07	2.50E-07	1.21E-04	3.82E-08	1.11E-08
1498	494711.06, 3858551.99	2.69E-03	8.49E-07	2.47E-07	2.24E-04	7.06E-08	2.05E-08	2.73E-03	8.60E-07	2.50E-07	2.58E-04	8.14E-08	2.37E-08	2.68E-03	8.47E-07	2.46E-07	1.19E-04	3.76E-08	1.09E-08
1499	494761.06, 3858551.99	2.65E-03	8.35E-07	2.43E-07	2.20E-04	6.94E-08	2.02E-08	2.68E-03	8.47E-07	2.46E-07	2.54E-04	8.01E-08	2.33E-08	2.64E-03	8.34E-07	2.42E-07	1.17E-04	3.70E-08	1.08E-08
1500	494811.06, 3858551.99	2.61E-03	8.24E-07	2.40E-07	2.17E-04	6.86E-08	2.00E-08	2.65E-03	8.35E-07	2.43E-07	2.51E-04	7.92E-08	2.30E-08	2.61E-03	8.23E-07	2.39E-07	1.16E-04	3.65E-08	1.06E-08
1501	494861.06, 3858551.99	2.57E-03	8.11E-07	2.36E-07	2.14E-04	6.75E-08	1.96E-08	2.60E-03	8.22E-07	2.39E-07	2.47E-04	7.78E-08	2.26E-08	2.56E-03	8.09E-07	2.35E-07	1.14E-04	3.59E-08	1.04E-08
1502	494911.06, 3858551.99	2.52E-03	7.96E-07	2.31E-07	2.10E-04	6.61E-08	1.92E-08	2.56E-03	8.07E-07	2.35E-07	2.42E-04	7.63E-08	2.22E-08	2.52E-03	7.95E-07	2.31E-07	1.12E-04	3.52E-08	1.02E-08
1503	494961.06, 3858551.99	2.48E-03	7.84E-07	2.28E-07	2.06E-04	6.51E-08	1.89E-08	2.52E-03	7.95E-07	2.31E-07	2.38E-04	7.52E-08	2.19E-08	2.48E-03	7.83E-07	2.28E-07	1.10E-04	3.47E-08	1.01E-08
1504	495011.06, 3858551.99	2.44E-03	7.69E-07	2.24E-07	2.02E-04	6.38E-08	1.86E-08	2.47E-03	7.80E-07	2.27E-07	2.33E-04	7.36E-08	2.14E-08	2.43E-03	7.68E-07	2.23E-07	1.08E-04	3.40E-08	9.89E-09
1505	495061.06, 3858551.99	2.41E-03	7.60E-07	2.21E-07	2.00E-04	6.30E-08	1.83E-08	2.44E-03	7.70E-07	2.24E-07	2.30E-04	7.27E-08	2.11E-08	2.40E-03	7.59E-07	2.21E-07	1.06E-04	3.36E-08	9.76E-09
1506	495111.06, 3858551.99	2.35E-03	7.43E-07	2.16E-07	1.95E-04	6.14E-08	1.79E-08	2.39E-03	7.53E-07	2.19E-07	2.25E-04	7.09E-08	2.06E-08	2.35E-03	7.42E-07	2.16E-07	1.04E-04	3.27E-08	9.52E-09
1507	495161.06, 3858551.99	2.32E-03	7.32E-07	2.13E-07	1.91E-04	6.04E-08	1.76E-08	2.35E-03	7.42E-07	2.16E-07	2.21E-04	6.97E-08	2.03E-08	2.31E-03	7.31E-07	2.13E-07	1.02E-04	3.22E-08	9.37E-09
1508	495211.06, 3858551.99	2.29E-03	7.22E-07	2.10E-07	1.89E-04	5.96E-08	1.73E-08	2.32E-03	7.32E-07	2.13E-07	2.18E-04	6.88E-08	2.00E-08	2.28E-03	7.21E-07	2.10E-07	1.01E-04	3.18E-08	9.24E-09
1509	495261.06, 3858551.99	2.26E-03	7.14E-07	2.08E-07	1.87E-04	5.90E-08	1.72E-08	2.29E-03	7.24E-07	2.11E-07	2.16E-04	6.81E-08	1.98E-08	2.26E-03	7.13E-07	2.07E-07	9.97E-05	3.15E-08	9.15E-09
1510	495311.06, 3858551.99	2.25E-03	7.10E-07	2.06E-07	1.86E-04	5.88E-08	1.71E-08	2.28E-03	7.20E-07	2.09E-07	2.15E-04	6.79E-08	1.97E-08	2.25E-03	7.09E-07	2.06E-07	9.93E-05	3.13E-08	9.12E-09
1511	495361.06, 3858551.99	2.23E-03	7.05E-07	2.05E-07	1.85E-04	5.85E-08	1.70E-08	2.26E-03	7.15E-07	2.08E-07	2.14E-04	6.75E-08	1.96E-08	2.23E-03	7.04E-07	2.05E-07	9.88E-05	3.12E-08	9.07E-09
1512	495411.06, 3858551.99	2.22E-03	7.02E-07	2.04E-07	1.85E-04	5.84E-08	1.70E-08	2.25E-03	7.11E-07	2.07E-07	2.14E-04	6.74E-08	1.96E-08	2.22E-03	7.00E-07	2.04E-07	9.87E-05	3.11E-08	9.06E-09
1513	495461.06, 3858551.99	2.21E-03	6.97E-07	2.03E-07	1.84E-04	5.82E-08	1.69E-08	2.24E-03	7.07E-07	2.06E-07	2.13E-04	6.72E-08	1.95E-08	2.21E-03	6.96E-07	2.02E-07	9.83E-05	3.10E-08	9.02E-09
1514	495511.06, 3858551.99	2.20E-03	6.95E-07	2.02E-07	1.84E-04	5.81E-08	1.69E-08	2.23E-03	7.04E-07	2.05E-07	2.13E-04	6.71E-08	1.95E-08	2.20E-03	6.93E-07	2.02E-07	9.82E-05	3.10E-08	9.01E-09

1515	495561.06, 3858551.99	2.19E-03	6.90E-07	2.01E-07	1.84E-04	5.79E-08	1.68E-08	2.22E-03	7.00E-07	2.04E-07	2.12E-04	6.68E-08	1.94E-08	2.18E-03	6.89E-07	2.00E-07	9.78E-05	3.09E-08	8.98E-09
1516	495611.06, 3858551.99	2.17E-03	6.85E-07	1.99E-07	1.83E-04	5.76E-08	1.68E-08	2.20E-03	6.95E-07	2.02E-07	2.11E-04	6.65E-08	1.93E-08	2.17E-03	6.84E-07	1.99E-07	9.72E-05	3.07E-08	8.93E-09
1517	495661.06, 3858551.99	2.15E-03	6.80E-07	1.98E-07	1.81E-04	5.72E-08	1.66E-08	2.18E-03	6.89E-07	2.00E-07	2.09E-04	6.60E-08	1.92E-08	2.15E-03	6.78E-07	1.97E-07	9.66E-05	3.05E-08	8.87E-09
1518	494311.06, 3858601.99	2.75E-03	8.68E-07	2.53E-07	2.17E-04	6.85E-08	1.99E-08	2.79E-03	8.80E-07	2.56E-07	2.50E-04	7.90E-08	2.30E-08	2.75E-03	8.69E-07	2.53E-07	1.16E-04	3.65E-08	1.06E-08
1519	494361.06, 3858601.99	2.86E-03	9.04E-07	2.63E-07	2.30E-04	7.27E-08	2.11E-08	2.90E-03	9.16E-07	2.67E-07	2.66E-04	8.39E-08	2.44E-08	2.86E-03	9.04E-07	2.63E-07	1.23E-04	3.87E-08	1.13E-08
1520	494411.06, 3858601.99	2.93E-03	9.26E-07	2.69E-07	2.38E-04	7.52E-08	2.19E-08	2.97E-03	9.39E-07	2.73E-07	2.75E-04	8.68E-08	2.52E-08	2.93E-03	9.26E-07	2.69E-07	1.27E-04	4.00E-08	1.16E-08
1521	494461.06, 3858601.99	2.92E-03	9.21E-07	2.68E-07	2.38E-04	7.51E-08	2.18E-08	2.96E-03	9.34E-07	2.72E-07	2.74E-04	8.66E-08	2.52E-08	2.92E-03	9.21E-07	2.68E-07	1.27E-04	4.00E-08	1.16E-08
1522	494511.06, 3858601.99	2.88E-03	9.08E-07	2.64E-07	2.35E-04	7.43E-08	2.16E-08	2.92E-03	9.21E-07	2.68E-07	2.72E-04	8.57E-08	2.49E-08	2.88E-03	9.08E-07	2.64E-07	1.25E-04	3.96E-08	1.15E-08
1523	494561.06, 3858601.99	2.88E-03	9.07E-07	2.64E-07	2.36E-04	7.44E-08	2.16E-08	2.91E-03	9.20E-07	2.68E-07	2.72E-04	8.58E-08	2.50E-08	2.87E-03	9.07E-07	2.64E-07	1.25E-04	3.96E-08	1.15E-08
1524	494611.06, 3858601.99	2.84E-03	8.95E-07	2.60E-07	2.33E-04	7.34E-08	2.14E-08	2.88E-03	9.08E-07	2.64E-07	2.69E-04	8.48E-08	2.47E-08	2.83E-03	8.95E-07	2.60E-07	1.24E-04	3.91E-08	1.14E-08
1525	494661.06, 3858601.99	2.81E-03	8.86E-07	2.58E-07	2.31E-04	7.28E-08	2.12E-08	2.85E-03	8.98E-07	2.61E-07	2.66E-04	8.40E-08	2.44E-08	2.80E-03	8.85E-07	2.57E-07	1.23E-04	3.87E-08	1.13E-08
1526	494711.06, 3858601.99	2.76E-03	8.73E-07	2.54E-07	2.27E-04	7.17E-08	2.09E-08	2.80E-03	8.85E-07	2.57E-07	2.62E-04	8.28E-08	2.41E-08	2.76E-03	8.72E-07	2.54E-07	1.21E-04	3.82E-08	1.11E-08
1527	494761.06, 3858601.99	2.72E-03	8.59E-07	2.50E-07	2.24E-04	7.07E-08	2.06E-08	2.76E-03	8.71E-07	2.53E-07	2.58E-04	8.16E-08	2.37E-08	2.72E-03	8.58E-07	2.50E-07	1.19E-04	3.76E-08	1.09E-08
1528	494811.06, 3858601.99	2.66E-03	8.40E-07	2.44E-07	2.19E-04	6.90E-08	2.01E-08	2.70E-03	8.52E-07	2.48E-07	2.52E-04	7.97E-08	2.32E-08	2.66E-03	8.39E-07	2.44E-07	1.16E-04	3.68E-08	1.07E-08
1529	494861.06, 3858601.99	2.63E-03	8.29E-07	2.41E-07	2.16E-04	6.82E-08	1.98E-08	2.66E-03	8.41E-07	2.45E-07	2.49E-04	7.87E-08	2.29E-08	2.63E-03	8.29E-07	2.41E-07	1.15E-04	3.63E-08	1.06E-08
1530	494911.06, 3858601.99	2.57E-03	8.12E-07	2.36E-07	2.11E-04	6.67E-08	1.94E-08	2.61E-03	8.23E-07	2.39E-07	2.44E-04	7.70E-08	2.24E-08	2.57E-03	8.11E-07	2.36E-07	1.13E-04	3.55E-08	1.03E-08
1531	494961.06, 3858601.99	2.53E-03	7.99E-07	2.33E-07	2.08E-04	6.57E-08	1.91E-08	2.57E-03	8.10E-07	2.36E-07	2.40E-04	7.58E-08	2.20E-08	2.53E-03	7.99E-07	2.32E-07	1.11E-04	3.50E-08	1.02E-08
1532	495011.06, 3858601.99	2.49E-03	7.87E-07	2.29E-07	2.05E-04	6.46E-08	1.88E-08	2.53E-03	7.97E-07	2.32E-07	2.36E-04	7.46E-08	2.17E-08	2.49E-03	7.86E-07	2.29E-07	1.09E-04	3.44E-08	1.00E-08
1533	495061.06, 3858601.99	2.45E-03	7.73E-07	2.25E-07	2.01E-04	6.35E-08	1.85E-08	2.48E-03	7.84E-07	2.28E-07	2.32E-04	7.33E-08	2.13E-08	2.45E-03	7.73E-07	2.25E-07	1.07E-04	3.38E-08	9.84E-09
1534	495111.06, 3858601.99	2.39E-03	7.55E-07	2.20E-07	1.96E-04	6.17E-08	1.80E-08	2.43E-03	7.66E-07	2.23E-07	2.26E-04	7.12E-08	2.07E-08	2.39E-03	7.55E-07	2.20E-07	1.04E-04	3.29E-08	9.57E-09
1535	495161.06, 3858601.99	2.36E-03	7.45E-07	2.17E-07	1.93E-04	6.09E-08	1.77E-08	2.39E-03	7.55E-07	2.20E-07	2.23E-04	7.03E-08	2.04E-08	2.36E-03	7.44E-07	2.16E-07	1.03E-04	3.24E-08	9.44E-09
1536	495211.06, 3858601.99	2.34E-03	7.37E-07	2.15E-07	1.91E-04	6.04E-08	1.76E-08	2.37E-03	7.48E-07	2.17E-07	2.21E-04	6.97E-08	2.03E-08	2.33E-03	7.37E-07	2.14E-07	1.02E-04	3.22E-08	9.36E-09
1537	495261.06, 3858601.99	2.31E-03	7.29E-07	2.12E-07	1.89E-04	5.98E-08	1.74E-08	2.34E-03	7.39E-07	2.15E-07	2.19E-04	6.90E-08	2.01E-08	2.31E-03	7.29E-07	2.12E-07	1.01E-04	3.18E-08	9.26E-09
1538	495311.06, 3858601.99	2.29E-03	7.23E-07	2.10E-07	1.88E-04	5.94E-08	1.73E-08	2.32E-03	7.33E-07	2.13E-07	2.17E-04	6.85E-08	1.99E-08	2.29E-03	7.22E-07	2.10E-07	1.00E-04	3.16E-08	9.20E-09
1539	495361.06, 3858601.99	2.28E-03	7.19E-07	2.09E-07	1.87E-04	5.92E-08	1.72E-08	2.31E-03	7.29E-07	2.12E-07	2.16E-04	6.83E-08	1.99E-08	2.27E-03	7.18E-07	2.09E-07	9.99E-05	3.15E-08	9.17E-09
1540	495411.06, 3858601.99	2.26E-03	7.15E-07	2.08E-07	1.87E-04	5.90E-08	1.72E-08	2.30E-03	7.25E-07	2.11E-07	2.16E-04	6.81E-08	1.98E-08	2.26E-03	7.14E-07	2.08E-07	9.96E-05	3.14E-08	9.14E-09
1541	495461.06, 3858601.99	2.25E-03	7.11E-07	2.07E-07	1.87E-04	5.89E-08	1.71E-08	2.28E-03	7.21E-07	2.10E-07	2.15E-04	6.79E-08	1.98E-08	2.25E-03	7.10E-07	2.07E-07	9.93E-05	3.14E-08	9.12E-09
1542	495511.06, 3858601.99	2.23E-03	7.05E-07	2.05E-07	1.85E-04	5.84E-08	1.70E-08	2.26E-03	7.15E-07	2.08E-07	2.14E-04	6.74E-08	1.96E-08	2.23E-03	7.04E-07	2.05E-07	9.86E-05	3.11E-08	9.05E-09
1543	495561.06, 3858601.99	2.23E-03	7.02E-07	2.04E-07	1.85E-04	5.84E-08	1.70E-08	2.26E-03	7.12E-07	2.07E-07	2.14E-04	6.74E-08	1.96E-08	2.22E-03	7.01E-07	2.04E-07	9.86E-05	3.11E-08	9.05E-09
1544	495611.06, 3858601.99	2.20E-03	6.95E-07	2.02E-07	1.83E-04	5.79E-08	1.68E-08	2.23E-03	7.05E-07	2.05E-07	2.12E-04	6.68E-08	1.94E-08	2.20E-03	6.94E-07	2.02E-07	9.77E-05	3.08E-08	8.97E-09
1545	495661.06, 3858601.99	2.19E-03	6.92E-07	2.01E-07	1.83E-04	5.78E-08	1.68E-08	2.22E-03	7.02E-07	2.04E-07	2.11E-04	6.67E-08	1.94E-08	2.19E-03	6.91E-07	2.01E-07	9.76E-05	3.08E-08	8.96E-09
1546	494311.06, 3858651.99	2.76E-03	8.71E-07	2.53E-07	2.13E-04	6.73E-08	1.96E-08	2.80E-03	8.82E-07	2.57E-07	2.46E-04	7.77E-08	2.26E-08	2.77E-03	8.73E-07	2.54E-07	1.14E-04	3.59E-08	1.04E-08
1547	494361.06, 3858651.99	2.87E-03	9.07E-07	2.64E-07	2.26E-04	7.15E-08	2.08E-08	2.91E-03	9.19E-07	2.67E-07	2.61E-04	8.25E-08	2.40E-08	2.88E-03	9.08E-07	2.64E-07	1.21E-04	3.81E-08	1.11E-08
1548	494411.06, 3858651.99	3.00E-03	9.46E-07	2.75E-07	2.40E-04	7.58E-08	2.20E-08	3.04E-03	9.59E-07	2.79E-07	2.77E-04	8.75E-08	2.54E-08	3.00E-03	9.46E-07	2.75E-07	1.28E-04	4.04E-08	1.17E-08
1549	494461.06, 3858651.99	2.99E-03	9.45E-07	2.75E-07	2.41E-04	7.59E-08	2.21E-08	3.03E-03	9.58E-07	2.79E-07	2.78E-04	8.76E-08	2.55E-08	3.00E-03	9.45E-07	2.75E-07	1.28E-04	4.04E-08	1.18E-08
1550	494511.06, 3858651.99	2.97E-03	9.36E-07	2.72E-07	2.39E-04	7.54E-08	2.19E-08	3.01E-03	9.49E-07	2.76E-07	2.76E-04	8.71E-08	2.53E-08	2.97E-03	9.37E-07	2.72E-07	1.27E-04	4.02E-08	1.17E-08
1551	494561.06, 3858651.99	2.95E-03	9.30E-07	2.71E-07	2.38E-04	7.52E-08	2.19E-08	2.99E-03	9.43E-07	2.74E-07	2.75E-04	8.68E-08	2.52E-08	2.95E-03	9.30E-07	2.71E-07	1.27E-04	4.00E-08	1.16E-08
1552	494611.06, 3858651.99	2.92E-03	9.22E-07	2.68E-07	2.37E-04	7.47E-08	2.17E-08	2.96E-03	9.34E-07	2.72E-07	2.73E-04	8.62E-08	2.51E-08	2.92E-03	9.22E-07	2.68E-07	1.26E-04	3.97E-08	1.16E-08
1553	494661.06, 3858651.99	2.88E-03	9.10E-07	2.65E-07	2.34E-04	7.38E-08	2.15E-08	2.92E-03	9.22E-07	2.68E-07	2.70E-04	8.52E-08	2.48E-08	2.88E-03	9.10E-07	2.65E-07	1.25E-04	3.93E-08	1.14E-08
1554	494711.06, 3858651.99	2.83E-03	8.94E-07	2.60E-07	2.30E-04	7.26E-08	2.11E-08	2.87E-03	9.06E-07	2.64E-07	2.66E-04	8.38E-08	2.44E-08	2.83E-03	8.94E-07	2.60E-07	1.22E-04	3.86E-08	1.12E-08
1555	494761.06, 3858651.99	2.79E-03	8.82E-07	2.56E-07	2.27E-04	7.17E-08	2.09E-08	2.83E-03	8.94E-07	2.60E-07	2.62E-04	8.27E-08	2.41E-08	2.79E-03	8.81E-07	2.56E-07	1.21E-04	3.82E-08	1.11E-08
1556	494811.06, 3858651.99	2.74E-03	8.64E-07	2.51E-07	2.23E-04	7.03E-08	2.04E-08	2.78E-03	8.76E-07	2.55E-07	2.57E-04	8.11E-08	2.36E-08	2.74E-03	8.64E-07	2.51E-07	1.18E-04	3.74E-08	1.09E-08
1557	494861.06, 3858651.99	2.69E-03	8.48E-07	2.47E-07	2.18E-04	6.89E-08	2.01E-08	2.72E-03	8.60E-07	2.50E-07	2.52E-04	7.96E-08	2.31E-08	2.69E-03	8.48E-07	2.47E-07	1.16E-04	3.67E-08	1.07E-08
1558	494911.06, 3858651.99	2.63E-03	8.31E-07	2.42E-07	2.14E-04	6.75E-08	1.96E-08	2.67E-03	8.42E-07	2.45E-07	2.47E-04	7.79E-08	2.26E-08	2.63E-03	8.31E-07	2.42E-07	1.14E-04	3.59E-08	1.04E-08
1559	494961.06, 3858651.99	2.58E-03	8.15E-07	2.37E-07	2.10E-04	6.62E-08	1.92E-08	2.62E-03	8.26E-07	2.40E-07	2.42E-04	7.64E-08	2.22E-08	2.58E-03	8.15E-07	2.37E-07	1.12E-04	3.52E-08	1.02E-08
1560	495011.06, 3858651.99	2.54E-03	8.02E-07	2.33E-07	2.07E-04	6.52E-08	1.90E-08	2.58E-03	8.13E-07	2.37E-07	2.38E-04	7.52E-08	2.19E-08	2.54E-03	8.02E-07	2.33E-07	1.10E-04	3.47E-08	1.01E-08
1561	495061.06, 3858651.99	2.50E-03	7.89E-07	2.29E-07	2.03E-04	6.41E-08	1.86E-08	2.53E-03	8.00E-07	2.33E-07	2.34E-04	7.39E-08	2.15E-08	2.50E-03	7.89E-07	2.29E-07	1.08E-04	3.41E-08	9.92E-09
1562	495111.06, 3858651.99	2.45E-03	7.73E-07	2.25E-07	1.99E-04	6.27E-08	1.82E-08	2.48E-03	7.84E-07	2.28E-07	2.29E-04	7.24E-08	2.11E-08	2.45E-03	7.73E-07	2.25E-07	1.06E-04	3.34E-08	9.71E-09
1563	495161.06, 3858651.99	2.42E-03	7.63E-07	2.22E-07	1.96E-04	6.19E-08	1.80E-08	2.45E-03	7.73E-07	2.25E-07	2.26E-04	7.14E-08	2.08E-08	2.42E-03	7.63E-07	2.22E-07	1.04E-04	3.30E-08	9.59E-09
1564	495211.06, 3858651.99	2.38E-03	7.51E-07	2.18E-07	1.93E-04	6.09E-08	1.77E-08	2.41E-03	7.61E-07	2.21E-07	2.23E-04	7.03E-08	2.05E-08	2.38E-03	7.51E-07	2.18E-07	1.03E-04	3.25E-08	9.44E-09
1565	495261.06, 3858651.99	2.37E-03	7.47E-07	2.17E-07	1.92E-04	6.07E-08	1.77E-08	2.40E-03	7.57E-07	2.20E-07	2.22E-04	7.01E-08	2.04E-08	2.36E-03	7.46E-07	2.17E-07	1.02E-04	3.23E-08	9.41E-09
1566	495311.06, 3858651.99	2.34E-03	7.40E-07	2.15E-07	1.91E-04	6.03E-08	1.75E-08	2.38E-03	7.50E-07	2.18E-07	2.20E-04	6.96E-08	2.02E-08	2.34E-03	7.39E-07	2.15E-07	1.02E-04	3.21E-08	9.34E-09
1567	495361.06, 3858651.99	2.33E-03	7.35E-07	2.14E-07	1.90E-04	6.00E-08	1.75E-08	2.36E-03	7.45E-07	2.17E-07	2.19E-04	6.92E-08	2.01E-08	2.33E-03	7.35E-07	2.14E-07	1.01E-04	3.20E-08	9.29E-09
1568	495411.06, 3858651.99	2.32E-03	7.31E-07	2.13E-07	1.90E-04	6.00E-08	1.74E-08	2.35E-03	7.42E-07	2.16E-07	2.19E-04	6.92E-08	2.01E-08	2.32E-03	7.31E-07	2.13E-07	1.01E-04	3.19E-08	9.29E-09
1569	495461.06, 3858651.99	2.31E-03	7.29E-07	2.12E-07	1.90E-04	6.00E-08	1.75E-08	2.34E-03	7.39E-07	2.15E-07	2.19E-04	6.93E-08	2.01E-08	2.31E-03	7.29E-07	2.12E-07	1.01E-04	3.20E-08	9.29E-09
1570	495511.06, 3858651.99	2.29E-03	7.22E-07	2.10E-07	1.88E-04	5.94E-08	1.73E-08	2.32E-03	7.32E-07	2.13E-07	2.17E-04	6.86E-08	1.99E-08	2.28E-03	7.21E-07	2.10E-07	1.00E-04	3.16E-08	9.20E-09
1571	495561.06, 3858651.99	2.27E-03	7.16E-07	2.08E-07	1.87E-04	5.91E-08	1.72E-08	2.30E-03	7.26E-07	2.11E-07	2.16E-04	6.81E-08	1.98E-08	2.27E-03	7.15E-07	2.08E-07	9.96E-05	3.14E-08	9.15E-09
1572	495611.06, 3858651.99	2.24E-03	7.08E-07	2.06E-07	1.85E-04	5.84E-08	1.70E-08	2.27E-03	7.17E-07	2.09E-07	2.14E-04	6.74E-08	1.96E-08	2.24E-03	7.07E-07	2.06E-07	9.86E-05	3.11E-08	9.05E-09
1573	495661.06, 3858651.99	2.23E-03	7.04E-07	2.05E-07	1.85E-04	5.83E-08	1.70E-08	2.26E-03	7.14E-07	2.08E-07	2.13E-04	6.73E-08	1.96E-08	2.23E-03	7.03E-07	2.05E-07	9.83E-05	3.10E-08	9.03E-09
1574	494311.06, 3858701.99	2.82E-03	8.91E-07	2.59E-07	2.15E-04	6.80E-08	1.98E-08	2.86E-03	9.02E-07	2.63E-07	2.48E-04	7.84E-08	2.28E-08	2.83E-03	8.94E-07	2.60E-07	1.15E-04	3.62E-08	1.05E-08
1575	494361.06, 3858701.99	2.98E-03	9.42E-07	2.74E-07	2.33E-04	7.35E-08	2.14E-08	3.02E-03	9.54E-07	2.77E-07	2.69E-04	8.48E-08	2.47E-08	2.99E-03	9.43E-07	2.74E-07	1.24E-04	3.91E-08	1.14E-08
1576	494411.06, 3858701.99	3.07E-03	9.70E-07	2.82E-07	2.42E-04	7.65E-08	2.23E-08	3.11E-03	9.82E-07	2.86E-07	2.80E-04	8.83E-08	2.57E-08	3.08E-03	9.71E-07	2.82E-07	1.29E-04	4.07E-08	1.18E-08
1577	494461.06, 3858701.99	3.06E-03	9.67E-07	2.81E-07	2.43E-04	7.66E-08	2.23E-08	3.10E-03	9.80E-07	2.85E-07	2.80E-04	8.84E-08	2.57E-08	3.07E-03	9.68E-07	2.82E-07	1.29E-04	4.08E-08	1.19E-08
1578	494511.06, 3858701.99	3.04E-03	9.61E-07	2.79E-07	2.42E-04	7.63E-08	2.22E-08	3.08E-03	9.74E-07	2.83E-07	2.79E-04	8.81E-08	2.56E-08	3.05E-03	9.62E-07	2.80E-07	1.29E-04	4.06E-08	1.18E-08
1579	494561.06, 3858701.99	3.02E-03	9.52E-07	2.77E-07	2.40E-04	7.59E-08	2.21E-08	3.06E-03	9.65E-07	2.81E-07	2.77E-04	8.76E-08	2.55E-08	3.02E-03	9.53E-07	2.77E-07	1.28E-04	4.04E-08	1.17E-08
1580	494611.06, 3858701.99	2.96E-03	9.33E-07	2.71E-07	2.36E-04	7.44E-08	2.16E-08	3.00E-03	9.46E-07	2.75E-07	2.72E-04	8.59E-08	2.50E-08	2.96E-03	9.34E-07	2.72E-07	1.25E-04	3.96E-08	1.15E-08

1581 494661.06, 3858701.99	2.95E-03	9.30E-07	2.70E-07	2.36E-04	7.44E-08	2.16E-08	2.99E-03	9.42E-07	2.74E-07	2.72E-04	8.59E-08	2.50E-08	2.95E-03	9.30E-07	2.71E-07	1.25E-04	3.96E-08	1.15E-08
1582 494711.06, 3858701.99	2.83E-03	8.92E-07	2.60E-07	2.25E-04	7.11E-08	2.07E-08	2.87E-03	9.04E-07	2.63E-07	2.60E-04	8.21E-08	2.39E-08	2.83E-03	8.93E-07	2.60E-07	1.20E-04	3.79E-08	1.10E-08
1583 494761.06, 3858701.99	2.84E-03	8.97E-07	2.61E-07	2.28E-04	7.19E-08	2.09E-08	2.88E-03	9.09E-07	2.64E-07	2.63E-04	8.30E-08	2.41E-08	2.84E-03	8.98E-07	2.61E-07	1.21E-04	3.83E-08	1.11E-08
1584 494811.06, 3858701.99	2.79E-03	8.80E-07	2.56E-07	2.24E-04	7.08E-08	2.06E-08	2.82E-03	8.91E-07	2.59E-07	2.59E-04	8.18E-08	2.38E-08	2.79E-03	8.80E-07	2.56E-07	1.19E-04	3.77E-08	1.10E-08
1585 494861.06, 3858701.99	2.74E-03	8.65E-07	2.52E-07	2.20E-04	6.94E-08	2.02E-08	2.78E-03	8.76E-07	2.55E-07	2.54E-04	8.01E-08	2.33E-08	2.74E-03	8.65E-07	2.52E-07	1.17E-04	3.69E-08	1.07E-08
1586 494911.06, 3858701.99	2.70E-03	8.52E-07	2.48E-07	2.17E-04	6.84E-08	1.99E-08	2.74E-03	8.64E-07	2.51E-07	2.50E-04	7.90E-08	2.30E-08	2.70E-03	8.52E-07	2.48E-07	1.15E-04	3.64E-08	1.06E-08
1587 494961.06, 3858701.99	2.63E-03	8.29E-07	2.41E-07	2.10E-04	6.64E-08	1.93E-08	2.66E-03	8.40E-07	2.44E-07	2.43E-04	7.66E-08	2.23E-08	2.63E-03	8.29E-07	2.41E-07	1.12E-04	3.53E-08	1.03E-08
1588 495011.06, 3858701.99	2.58E-03	8.13E-07	2.37E-07	2.07E-04	6.52E-08	1.90E-08	2.61E-03	8.24E-07	2.40E-07	2.38E-04	7.52E-08	2.19E-08	2.58E-03	8.14E-07	2.37E-07	1.10E-04	3.47E-08	1.01E-08
1589 495061.06, 3858701.99	2.55E-03	8.05E-07	2.34E-07	2.05E-04	6.47E-08	1.88E-08	2.59E-03	8.16E-07	2.37E-07	2.37E-04	7.47E-08	2.17E-08	2.55E-03	8.06E-07	2.34E-07	1.09E-04	3.44E-08	1.00E-08
1590 495111.06, 3858701.99	2.50E-03	7.88E-07	2.29E-07	2.00E-04	6.32E-08	1.84E-08	2.53E-03	7.99E-07	2.32E-07	2.31E-04	7.30E-08	2.12E-08	2.50E-03	7.89E-07	2.29E-07	1.07E-04	3.37E-08	9.79E-09
1591 495161.06, 3858701.99	2.47E-03	7.79E-07	2.27E-07	1.98E-04	6.26E-08	1.82E-08	2.50E-03	7.89E-07	2.30E-07	2.29E-04	7.22E-08	2.10E-08	2.47E-03	7.79E-07	2.27E-07	1.06E-04	3.33E-08	9.69E-09
1592 495211.06, 3858701.99	2.43E-03	7.67E-07	2.23E-07	1.95E-04	6.16E-08	1.79E-08	2.46E-03	7.77E-07	2.26E-07	2.25E-04	7.11E-08	2.07E-08	2.43E-03	7.67E-07	2.23E-07	1.04E-04	3.28E-08	9.54E-09
1593 495261.06, 3858701.99	2.42E-03	7.63E-07	2.22E-07	1.95E-04	6.15E-08	1.79E-08	2.45E-03	7.73E-07	2.25E-07	2.25E-04	7.09E-08	2.06E-08	2.42E-03	7.63E-07	2.22E-07	1.04E-04	3.27E-08	9.52E-09
1594 495311.06, 3858701.99	2.40E-03	7.58E-07	2.21E-07	1.94E-04	6.13E-08	1.78E-08	2.44E-03	7.69E-07	2.24E-07	2.24E-04	7.08E-08	2.06E-08	2.40E-03	7.58E-07	2.21E-07	1.03E-04	3.26E-08	9.50E-09
1595 495361.06, 3858701.99	2.38E-03	7.52E-07	2.19E-07	1.93E-04	6.10E-08	1.77E-08	2.42E-03	7.63E-07	2.22E-07	2.23E-04	7.04E-08	2.05E-08	2.38E-03	7.52E-07	2.19E-07	1.03E-04	3.25E-08	9.44E-09
1596 495411.06, 3858701.99	2.38E-03	7.50E-07	2.18E-07	1.93E-04	6.10E-08	1.77E-08	2.41E-03	7.60E-07	2.21E-07	2.23E-04	7.04E-08	2.05E-08	2.37E-03	7.50E-07	2.18E-07	1.03E-04	3.25E-08	9.44E-09
1597 495461.06, 3858701.99	2.36E-03	7.45E-07	2.17E-07	1.93E-04	6.08E-08	1.77E-08	2.39E-03	7.55E-07	2.20E-07	2.22E-04	7.01E-08	2.04E-08	2.36E-03	7.45E-07	2.17E-07	1.02E-04	3.23E-08	9.41E-09
1598 495511.06, 3858701.99	2.34E-03	7.38E-07	2.15E-07	1.91E-04	6.04E-08	1.76E-08	2.37E-03	7.48E-07	2.18E-07	2.21E-04	6.97E-08	2.03E-08	2.34E-03	7.38E-07	2.15E-07	1.02E-04	3.21E-08	9.35E-09
1599 495561.06, 3858701.99	2.32E-03	7.31E-07	2.13E-07	1.90E-04	5.99E-08	1.74E-08	2.35E-03	7.41E-07	2.16E-07	2.19E-04	6.91E-08	2.01E-08	2.31E-03	7.31E-07	2.12E-07	1.01E-04	3.19E-08	9.27E-09
1600 495611.06, 3858701.99	2.29E-03	7.24E-07	2.10E-07	1.88E-04	5.93E-08	1.73E-08	2.32E-03	7.33E-07	2.13E-07	2.17E-04	6.85E-08	1.99E-08	2.29E-03	7.23E-07	2.10E-07	1.00E-04	3.16E-08	9.19E-09
1601 495661.06, 3858701.99	2.28E-03	7.18E-07	2.09E-07	1.87E-04	5.90E-08	1.72E-08	2.31E-03	7.28E-07	2.12E-07	2.16E-04	6.81E-08	1.98E-08	2.27E-03	7.18E-07	2.09E-07	9.96E-05	3.14E-08	9.14E-09
1602 494311.06, 3858751.99	2.89E-03	9.13E-07	2.66E-07	2.18E-04	6.89E-08	2.00E-08	2.93E-03	9.25E-07	2.69E-07	2.52E-04	7.95E-08	2.31E-08	2.90E-03	9.16E-07	2.67E-07	1.16E-04	3.67E-08	1.07E-08
1603 494361.06, 3858751.99	3.09E-03	9.75E-07	2.84E-07	2.38E-04	7.51E-08	2.19E-08	3.13E-03	9.87E-07	2.87E-07	2.75E-04	8.67E-08	2.52E-08	3.10E-03	9.77E-07	2.84E-07	1.27E-04	4.00E-08	1.16E-08
1604 494411.06, 3858751.99	3.16E-03	9.96E-07	2.90E-07	2.45E-04	7.74E-08	2.25E-08	3.20E-03	1.01E-06	2.93E-07	2.83E-04	8.93E-08	2.60E-08	3.16E-03	9.98E-07	2.90E-07	1.31E-04	4.12E-08	1.20E-08
1605 494461.06, 3858751.99	3.15E-03	9.93E-07	2.89E-07	2.45E-04	7.75E-08	2.25E-08	3.19E-03	1.01E-06	2.93E-07	2.83E-04	8.94E-08	2.60E-08	3.15E-03	9.95E-07	2.89E-07	1.31E-04	4.12E-08	1.20E-08
1606 494511.06, 3858751.99	3.13E-03	9.89E-07	2.88E-07	2.45E-04	7.74E-08	2.25E-08	3.17E-03	1.00E-06	2.91E-07	2.83E-04	8.93E-08	2.60E-08	3.14E-03	9.90E-07	2.88E-07	1.30E-04	4.12E-08	1.20E-08
1607 494561.06, 3858751.99	3.09E-03	9.75E-07	2.84E-07	2.43E-04	7.68E-08	2.23E-08	3.13E-03	9.88E-07	2.87E-07	2.81E-04	8.86E-08	2.58E-08	3.09E-03	9.77E-07	2.84E-07	1.29E-04	4.08E-08	1.19E-08
1608 494611.06, 3858751.99	3.04E-03	9.58E-07	2.79E-07	2.39E-04	7.55E-08	2.20E-08	3.08E-03	9.71E-07	2.82E-07	2.76E-04	8.71E-08	2.53E-08	3.04E-03	9.60E-07	2.79E-07	1.27E-04	4.02E-08	1.17E-08
1609 494661.06, 3858751.99	3.01E-03	9.50E-07	2.76E-07	2.38E-04	7.51E-08	2.18E-08	3.05E-03	9.63E-07	2.80E-07	2.75E-04	8.67E-08	2.52E-08	3.01E-03	9.51E-07	2.77E-07	1.27E-04	4.00E-08	1.16E-08
1610 494711.06, 3858751.99	2.94E-03	9.27E-07	2.70E-07	2.32E-04	7.33E-08	2.13E-08	2.98E-03	9.39E-07	2.73E-07	2.68E-04	8.46E-08	2.46E-08	2.94E-03	9.28E-07	2.70E-07	1.24E-04	3.90E-08	1.13E-08
1611 494761.06, 3858751.99	2.91E-03	9.17E-07	2.67E-07	2.30E-04	7.26E-08	2.11E-08	2.94E-03	9.29E-07	2.70E-07	2.65E-04	8.37E-08	2.44E-08	2.91E-03	9.19E-07	2.67E-07	1.22E-04	3.86E-08	1.12E-08
1612 494811.06, 3858751.99	2.84E-03	8.97E-07	2.61E-07	2.25E-04	7.10E-08	2.07E-08	2.88E-03	9.09E-07	2.65E-07	2.60E-04	8.20E-08	2.38E-08	2.85E-03	8.99E-07	2.61E-07	1.20E-04	3.78E-08	1.10E-08
1613 494861.06, 3858751.99	2.79E-03	8.80E-07	2.56E-07	2.21E-04	6.97E-08	2.03E-08	2.82E-03	8.92E-07	2.59E-07	2.55E-04	8.04E-08	2.34E-08	2.79E-03	8.81E-07	2.56E-07	1.17E-04	3.71E-08	1.08E-08
1614 494911.06, 3858751.99	2.73E-03	8.61E-07	2.50E-07	2.16E-04	6.82E-08	1.98E-08	2.76E-03	8.73E-07	2.54E-07	2.49E-04	7.87E-08	2.29E-08	2.73E-03	8.62E-07	2.51E-07	1.15E-04	3.63E-08	1.06E-08
1615 494961.06, 3858751.99	2.68E-03	8.47E-07	2.46E-07	2.13E-04	6.71E-08	1.95E-08	2.72E-03	8.59E-07	2.50E-07	2.45E-04	7.75E-08	2.25E-08	2.69E-03	8.48E-07	2.47E-07	1.13E-04	3.57E-08	1.04E-08
1616 495011.06, 3858751.99	2.65E-03	8.37E-07	2.44E-07	2.11E-04	6.64E-08	1.93E-08	2.69E-03	8.48E-07	2.47E-07	2.43E-04	7.67E-08	2.23E-08	2.66E-03	8.38E-07	2.44E-07	1.12E-04	3.54E-08	1.03E-08
1617 495061.06, 3858751.99	2.61E-03	8.23E-07	2.39E-07	2.07E-04	6.53E-08	1.90E-08	2.64E-03	8.34E-07	2.43E-07	2.39E-04	7.54E-08	2.19E-08	2.61E-03	8.24E-07	2.40E-07	1.10E-04	3.48E-08	1.01E-08
1618 495111.06, 3858751.99	2.56E-03	8.06E-07	2.35E-07	2.03E-04	6.40E-08	1.86E-08	2.59E-03	8.17E-07	2.38E-07	2.34E-04	7.39E-08	2.15E-08	2.56E-03	8.07E-07	2.35E-07	1.08E-04	3.41E-08	9.91E-09
1619 495161.06, 3858751.99	2.52E-03	7.96E-07	2.32E-07	2.01E-04	6.33E-08	1.84E-08	2.56E-03	8.07E-07	2.35E-07	2.32E-04	7.31E-08	2.13E-08	2.53E-03	7.97E-07	2.32E-07	1.07E-04	3.37E-08	9.80E-09
1620 495211.06, 3858751.99	2.48E-03	7.84E-07	2.28E-07	1.98E-04	6.24E-08	1.81E-08	2.52E-03	7.94E-07	2.31E-07	2.28E-04	7.20E-08	2.09E-08	2.49E-03	7.84E-07	2.28E-07	1.05E-04	3.32E-08	9.66E-09
1621 495261.06, 3858751.99	2.47E-03	7.79E-07	2.26E-07	1.97E-04	6.22E-08	1.81E-08	2.50E-03	7.89E-07	2.30E-07	2.27E-04	7.17E-08	2.09E-08	2.47E-03	7.79E-07	2.27E-07	1.05E-04	3.31E-08	9.62E-09
1622 495311.06, 3858751.99	2.45E-03	7.74E-07	2.25E-07	1.97E-04	6.20E-08	1.80E-08	2.49E-03	7.85E-07	2.28E-07	2.27E-04	7.16E-08	2.08E-08	2.46E-03	7.75E-07	2.25E-07	1.05E-04	3.30E-08	9.60E-09
1623 495361.06, 3858751.99	2.44E-03	7.69E-07	2.24E-07	1.96E-04	6.17E-08	1.80E-08	2.47E-03	7.79E-07	2.27E-07	2.26E-04	7.12E-08	2.07E-08	2.44E-03	7.69E-07	2.24E-07	1.04E-04	3.29E-08	9.56E-09
1624 495411.06, 3858751.99	2.43E-03	7.67E-07	2.23E-07	1.96E-04	6.18E-08	1.80E-08	2.46E-03	7.77E-07	2.26E-07	2.26E-04	7.13E-08	2.08E-08	2.43E-03	7.67E-07	2.23E-07	1.04E-04	3.29E-08	9.57E-09
1625 495461.06, 3858751.99	2.41E-03	7.62E-07	2.22E-07	1.95E-04	6.16E-08	1.79E-08	2.45E-03	7.72E-07	2.25E-07	2.25E-04	7.11E-08	2.07E-08	2.41E-03	7.62E-07	2.22E-07	1.04E-04	3.28E-08	9.53E-09
1626 495511.06, 3858751.99	2.39E-03	7.55E-07	2.20E-07	1.94E-04	6.12E-08	1.78E-08	2.42E-03	7.65E-07	2.23E-07	2.24E-04	7.06E-08	2.05E-08	2.39E-03	7.55E-07	2.20E-07	1.03E-04	3.26E-08	9.47E-09
1627 495561.06, 3858751.99	2.37E-03	7.48E-07	2.17E-07	1.92E-04	6.07E-08	1.77E-08	2.40E-03	7.58E-07	2.20E-07	2.22E-04	7.00E-08	2.04E-08	2.37E-03	7.48E-07	2.17E-07	1.02E-04	3.23E-08	9.39E-09
1628 495611.06, 3858751.99	2.34E-03	7.40E-07	2.15E-07	1.91E-04	6.02E-08	1.75E-08	2.38E-03	7.50E-07	2.18E-07	2.20E-04	6.95E-08	2.02E-08	2.34E-03	7.40E-07	2.15E-07	1.01E-04	3.20E-08	9.32E-09
1629 495661.06, 3858751.99	2.33E-03	7.34E-07	2.13E-07	1.90E-04	5.98E-08	1.74E-08	2.36E-03	7.44E-07	2.16E-07	2.19E-04	6.90E-08	2.01E-08	2.32E-03	7.34E-07	2.13E-07	1.01E-04	3.18E-08	9.26E-09
1630 494311.06, 3858801.99	3.01E-03	9.51E-07	2.77E-07	2.26E-04	7.12E-08	2.07E-08	3.05E-03	9.63E-07	2.80E-07	2.60E-04	8.22E-08	2.39E-08	3.03E-03	9.55E-07	2.78E-07	1.20E-04	3.79E-08	1.10E-08
1631 494361.06, 3858801.99	3.18E-03	1.00E-06	2.92E-07	2.42E-04	7.62E-08	2.22E-08	3.22E-03	1.02E-06	2.96E-07	2.79E-04	8.80E-08	2.56E-08	3.19E-03	1.01E-06	2.93E-07	1.29E-04	4.06E-08	1.18E-08
1632 494411.06, 3858801.99	3.21E-03	1.01E-06	2.95E-07	2.45E-04	7.74E-08	2.25E-08	3.25E-03	1.03E-06	2.99E-07	2.83E-04	8.94E-08	2.60E-08	3.22E-03	1.02E-06	2.96E-07	1.31E-04	4.12E-08	1.20E-08
1633 494461.06, 3858801.99	3.22E-03	1.02E-06	2.95E-07	2.47E-04	7.80E-08	2.27E-08	3.26E-03	1.03E-06	2.99E-07	2.85E-04	9.01E-08	2.62E-08	3.23E-03	1.02E-06	2.96E-07	1.32E-04	4.15E-08	1.21E-08
1634 494511.06, 3858801.99	3.21E-03	1.01E-06	2.95E-07	2.47E-04	7.81E-08	2.27E-08	3.25E-03	1.03E-06	2.99E-07	2.86E-04	9.01E-08	2.62E-08	3.22E-03	1.02E-06	2.96E-07	1.32E-04	4.15E-08	1.21E-08
1635 494561.06, 3858801.99	3.19E-03	1.01E-06	2.93E-07	2.47E-04	7.78E-08	2.26E-08	3.23E-03	1.02E-06	2.96E-07	2.85E-04	8.98E-08	2.61E-08	3.20E-03	1.01E-06	2.93E-07	1.31E-04	4.14E-08	1.20E-08
1636 494611.06, 3858801.99	3.15E-03	9.95E-07	2.89E-07	2.45E-04	7.72E-08	2.24E-08	3.19E-03	1.01E-06	2.93E-07	2.82E-04	8.91E-08	2.59E-08	3.16E-03	9.97E-07	2.90E-07	1.30E-04	4.11E-08	1.19E-08
1637 494661.06, 3858801.99	3.10E-03	9.77E-07	2.84E-07	2.41E-04	7.60E-08	2.21E-08	3.14E-03	9.90E-07	2.88E-07	2.78E-04	8.77E-08	2.55E-08	3.10E-03	9.79E-07	2.85E-07	1.28E-04	4.04E-08	1.18E-08
1638 494711.06, 3858801.99	3.03E-03	9.57E-07	2.78E-07	2.36E-04	7.46E-08	2.17E-08	3.07E-03	9.70E-07	2.82E-07	2.73E-04	8.61E-08	2.50E-08	3.04E-03	9.59E-07	2.79E-07	1.26E-04	3.97E-08	1.15E-08
1639 494761.06, 3858801.99	2.96E-03	9.34E-07	2.72E-07	2.31E-04	7.28E-08	2.12E-08	3.00E-03	9.46E-07	2.75E-07	2.66E-04	8.41E-08	2.45E-08	2.97E-03	9.36E-07	2.72E-07	1.23E-04	3.88E-08	1.13E-08
1640 494811.06, 3858801.99	2.89E-03	9.11E-07	2.65E-07	2.25E-04	7.11E-08	2.07E-08	2.92E-03	9.23E-07	2.68E-07	2.60E-04	8.20E-08	2.39E-08	2.89E-03	9.13E-07	2.66E-07	1.20E-04	3.78E-08	1.10E-08
1641 494861.06, 3858801.99	2.84E-03	8.98E-07	2.61E-07	2.22E-04	7.02E-08	2.04E-08	2.88E-03	9.10E-07	2.65E-07	2.57E-04	8.10E-08	2.36E-08	2.85E-03	9.00E-07	2.62E-07	1.18E-04	3.73E-08	1.09E-08
1642 494911.06, 3858801.99	2.79E-03	8.79E-07	2.56E-07	2.18E-04	6.87E-08	2.00E-08	2.82E-03	8.91E-07	2.59E-07	2.51E-04	7.93E-08	2.31E-08	2.79E-03	8.81E-07	2.56E-07	1.16E-04	3.66E-08	1.06E-08
1643 494961.06, 3858801.99	2.74E-03	8.65E-07	2.52E-07	2.15E-04	6.77E-08	1.97E-08	2.78E-03	8.76E-07	2.55E-07	2.48E-04	7.82E-08	2.27E-08	2.75E-03	8.67E-07	2.52E-07	1.14E-04	3.60E-08	1.05E-08
1644 495011.06, 3858801.99	2.69E-03	8.50E-07	2.47E-07	2.11E-04	6.66E-08	1.94E-08	2.73E-03	8.62E-07	2.51E-07	2.44E-04	7.69E-08	2.24E-08	2.70E-03	8.52E-07	2.48E-07	1.12E-04	3.55E-08	1.03E-08
1645 495061.06, 3858801.99	2.66E-03	8.40E-07	2.44E-07	2.09E-04	6.60E-08	1.92E-08	2.70E-03	8.51E-07	2.48E-07	2.41E-04	7.62E-08	2.22E-08	2.67E-03	8.42E-07	2.45E-07	1.11E-04	3.51E-08	1.02E-08
1646 495111.06, 3858801.99	2.61E-03	8.22E-07	2.39E-07	2.05E-04	6.45E-08	1.88E-08	2.64E-03	8.33E-07	2.42E-07	2.36E-04	7.45E-08	2.17E-08	2.61E-03	8.24E-07	2.40E-07	1.09E-04	3.44E-08	9.99E-09

1647	495161.06, 3858801.99	2.56E-03	8.09E-07	2.35E-07	2.01E-04	6.35E-08	1.85E-08	2.60E-03	8.19E-07	2.38E-07	2.32E-04	7.33E-08	2.13E-08	2.57E-03	8.10E-07	2.36E-07	1.07E-04	3.38E-08	9.83E-09
1648	495211.06, 3858801.99	2.54E-03	8.00E-07	2.33E-07	2.00E-04	6.30E-08	1.83E-08	2.57E-03	8.11E-07	2.36E-07	2.30E-04	7.27E-08	2.12E-08	2.54E-03	8.02E-07	2.33E-07	1.06E-04	3.35E-08	9.76E-09
1649	495261.06, 3858801.99	2.52E-03	7.95E-07	2.31E-07	1.99E-04	6.28E-08	1.83E-08	2.55E-03	8.06E-07	2.34E-07	2.30E-04	7.25E-08	2.11E-08	2.52E-03	7.96E-07	2.32E-07	1.06E-04	3.34E-08	9.73E-09
1650	495311.06, 3858801.99	2.51E-03	7.92E-07	2.30E-07	1.99E-04	6.28E-08	1.83E-08	2.54E-03	8.02E-07	2.33E-07	2.30E-04	7.25E-08	2.11E-08	2.51E-03	7.93E-07	2.31E-07	1.06E-04	3.34E-08	9.72E-09
1651	495361.06, 3858801.99	2.49E-03	7.86E-07	2.29E-07	1.98E-04	6.25E-08	1.82E-08	2.52E-03	7.97E-07	2.32E-07	2.29E-04	7.22E-08	2.10E-08	2.49E-03	7.87E-07	2.29E-07	1.05E-04	3.33E-08	9.68E-09
1652	495411.06, 3858801.99	2.49E-03	7.86E-07	2.29E-07	1.99E-04	6.28E-08	1.83E-08	2.52E-03	7.97E-07	2.32E-07	2.30E-04	7.25E-08	2.11E-08	2.49E-03	7.87E-07	2.29E-07	1.06E-04	3.34E-08	9.72E-09
1653	495461.06, 3858801.99	2.47E-03	7.80E-07	2.27E-07	1.98E-04	6.25E-08	1.82E-08	2.50E-03	7.90E-07	2.30E-07	2.28E-04	7.21E-08	2.10E-08	2.47E-03	7.81E-07	2.27E-07	1.05E-04	3.32E-08	9.67E-09
1654	495511.06, 3858801.99	2.45E-03	7.72E-07	2.25E-07	1.96E-04	6.20E-08	1.80E-08	2.48E-03	7.82E-07	2.28E-07	2.27E-04	7.15E-08	2.08E-08	2.45E-03	7.73E-07	2.25E-07	1.04E-04	3.30E-08	9.59E-09
1655	495561.06, 3858801.99	2.43E-03	7.65E-07	2.23E-07	1.95E-04	6.16E-08	1.79E-08	2.46E-03	7.76E-07	2.26E-07	2.25E-04	7.11E-08	2.07E-08	2.43E-03	7.66E-07	2.23E-07	1.04E-04	3.28E-08	9.53E-09
1656	495611.06, 3858801.99	2.40E-03	7.56E-07	2.20E-07	1.93E-04	6.09E-08	1.77E-08	2.43E-03	7.66E-07	2.23E-07	2.23E-04	7.03E-08	2.05E-08	2.40E-03	7.56E-07	2.20E-07	1.03E-04	3.24E-08	9.43E-09
1657	495661.06, 3858801.99	2.38E-03	7.51E-07	2.18E-07	1.92E-04	6.07E-08	1.76E-08	2.41E-03	7.61E-07	2.21E-07	2.22E-04	7.00E-08	2.04E-08	2.38E-03	7.51E-07	2.18E-07	1.02E-04	3.23E-08	9.39E-09
1658	494311.06, 3858851.99	3.23E-03	1.02E-06	2.97E-07	2.41E-04	7.60E-08	2.21E-08	3.27E-03	1.03E-06	3.01E-07	2.78E-04	8.77E-08	2.55E-08	3.25E-03	1.03E-06	2.98E-07	1.28E-04	4.05E-08	1.18E-08
1659	494361.06, 3858851.99	3.33E-03	1.05E-06	3.06E-07	2.49E-04	7.87E-08	2.29E-08	3.37E-03	1.06E-06	3.09E-07	2.88E-04	9.09E-08	2.64E-08	3.34E-03	1.05E-06	3.07E-07	1.33E-04	4.19E-08	1.22E-08
1660	494411.06, 3858851.99	3.31E-03	1.04E-06	3.04E-07	2.49E-04	7.86E-08	2.29E-08	3.35E-03	1.06E-06	3.08E-07	2.87E-04	9.07E-08	2.64E-08	3.32E-03	1.05E-06	3.05E-07	1.33E-04	4.18E-08	1.22E-08
1661	494461.06, 3858851.99	3.30E-03	1.04E-06	3.03E-07	2.50E-04	7.88E-08	2.29E-08	3.35E-03	1.06E-06	3.07E-07	2.88E-04	9.09E-08	2.65E-08	3.32E-03	1.05E-06	3.04E-07	1.33E-04	4.19E-08	1.22E-08
1662	494511.06, 3858851.99	3.28E-03	1.04E-06	3.01E-07	2.49E-04	7.85E-08	2.28E-08	3.32E-03	1.05E-06	3.05E-07	2.87E-04	9.06E-08	2.64E-08	3.29E-03	1.04E-06	3.02E-07	1.32E-04	4.18E-08	1.21E-08
1663	494561.06, 3858851.99	3.25E-03	1.03E-06	2.99E-07	2.47E-04	7.81E-08	2.27E-08	3.29E-03	1.04E-06	3.02E-07	2.86E-04	9.02E-08	2.62E-08	3.26E-03	1.03E-06	3.00E-07	1.32E-04	4.15E-08	1.21E-08
1664	494611.06, 3858851.99	3.21E-03	1.01E-06	2.95E-07	2.45E-04	7.73E-08	2.25E-08	3.25E-03	1.03E-06	2.98E-07	2.83E-04	8.92E-08	2.59E-08	3.22E-03	1.02E-06	2.96E-07	1.30E-04	4.11E-08	1.20E-08
1665	494661.06, 3858851.99	3.15E-03	9.96E-07	2.90E-07	2.41E-04	7.62E-08	2.22E-08	3.19E-03	1.01E-06	2.93E-07	2.79E-04	8.79E-08	2.56E-08	3.16E-03	9.99E-07	2.91E-07	1.28E-04	4.05E-08	1.18E-08
1666	494711.06, 3858851.99	3.08E-03	9.72E-07	2.83E-07	2.36E-04	7.45E-08	2.17E-08	3.12E-03	9.84E-07	2.86E-07	2.73E-04	8.60E-08	2.50E-08	3.09E-03	9.75E-07	2.83E-07	1.26E-04	3.96E-08	1.15E-08
1667	494761.06, 3858851.99	3.01E-03	9.49E-07	2.76E-07	2.31E-04	7.29E-08	2.12E-08	3.05E-03	9.61E-07	2.80E-07	2.67E-04	8.41E-08	2.45E-08	3.02E-03	9.52E-07	2.77E-07	1.23E-04	3.88E-08	1.13E-08
1668	494811.06, 3858851.99	2.95E-03	9.30E-07	2.71E-07	2.27E-04	7.16E-08	2.08E-08	2.99E-03	9.42E-07	2.74E-07	2.62E-04	8.26E-08	2.40E-08	2.96E-03	9.33E-07	2.71E-07	1.21E-04	3.81E-08	1.11E-08
1669	494861.06, 3858851.99	2.91E-03	9.17E-07	2.67E-07	2.24E-04	7.07E-08	2.06E-08	2.94E-03	9.29E-07	2.70E-07	2.59E-04	8.17E-08	2.38E-08	2.91E-03	9.20E-07	2.68E-07	1.19E-04	3.76E-08	1.09E-08
1670	494911.06, 3858851.99	2.85E-03	9.00E-07	2.62E-07	2.20E-04	6.95E-08	2.02E-08	2.89E-03	9.12E-07	2.65E-07	2.54E-04	8.02E-08	2.33E-08	2.86E-03	9.02E-07	2.62E-07	1.17E-04	3.70E-08	1.08E-08
1671	494961.06, 3858851.99	2.80E-03	8.85E-07	2.57E-07	2.17E-04	6.84E-08	1.99E-08	2.84E-03	8.96E-07	2.61E-07	2.50E-04	7.90E-08	2.30E-08	2.81E-03	8.87E-07	2.58E-07	1.15E-04	3.64E-08	1.06E-08
1672	495011.06, 3858851.99	2.76E-03	8.72E-07	2.54E-07	2.14E-04	6.76E-08	1.97E-08	2.80E-03	8.83E-07	2.57E-07	2.47E-04	7.80E-08	2.27E-08	2.77E-03	8.74E-07	2.54E-07	1.14E-04	3.60E-08	1.05E-08
1673	495061.06, 3858851.99	2.72E-03	8.58E-07	2.49E-07	2.11E-04	6.66E-08	1.94E-08	2.75E-03	8.69E-07	2.53E-07	2.43E-04	7.68E-08	2.23E-08	2.72E-03	8.60E-07	2.50E-07	1.12E-04	3.54E-08	1.03E-08
1674	495111.06, 3858851.99	2.64E-03	8.33E-07	2.42E-07	2.05E-04	6.46E-08	1.88E-08	2.67E-03	8.44E-07	2.46E-07	2.36E-04	7.46E-08	2.17E-08	2.65E-03	8.35E-07	2.43E-07	1.09E-04	3.44E-08	1.00E-08
1675	495161.06, 3858851.99	2.60E-03	8.20E-07	2.38E-07	2.02E-04	6.36E-08	1.85E-08	2.63E-03	8.31E-07	2.42E-07	2.33E-04	7.34E-08	2.14E-08	2.60E-03	8.22E-07	2.39E-07	1.07E-04	3.39E-08	9.85E-09
1676	495211.06, 3858851.99	2.59E-03	8.18E-07	2.38E-07	2.02E-04	6.38E-08	1.85E-08	2.63E-03	8.29E-07	2.41E-07	2.33E-04	7.36E-08	2.14E-08	2.60E-03	8.20E-07	2.38E-07	1.08E-04	3.39E-08	9.87E-09
1677	495261.06, 3858851.99	2.58E-03	8.13E-07	2.36E-07	2.01E-04	6.36E-08	1.85E-08	2.61E-03	8.24E-07	2.40E-07	2.33E-04	7.34E-08	2.13E-08	2.58E-03	8.15E-07	2.37E-07	1.07E-04	3.38E-08	9.84E-09
1678	495311.06, 3858851.99	2.57E-03	8.10E-07	2.36E-07	2.02E-04	6.36E-08	1.85E-08	2.60E-03	8.21E-07	2.39E-07	2.33E-04	7.34E-08	2.14E-08	2.57E-03	8.12E-07	2.36E-07	1.07E-04	3.38E-08	9.85E-09
1679	495361.06, 3858851.99	2.55E-03	8.06E-07	2.34E-07	2.01E-04	6.35E-08	1.85E-08	2.59E-03	8.16E-07	2.37E-07	2.32E-04	7.33E-08	2.13E-08	2.56E-03	8.07E-07	2.35E-07	1.07E-04	3.38E-08	9.82E-09
1680	495411.06, 3858851.99	2.54E-03	8.01E-07	2.33E-07	2.01E-04	6.33E-08	1.84E-08	2.57E-03	8.12E-07	2.36E-07	2.32E-04	7.31E-08	2.13E-08	2.54E-03	8.02E-07	2.33E-07	1.07E-04	3.37E-08	9.80E-09
1681	495461.06, 3858851.99	2.53E-03	7.97E-07	2.32E-07	2.00E-04	6.33E-08	1.84E-08	2.56E-03	8.08E-07	2.35E-07	2.31E-04	7.30E-08	2.12E-08	2.53E-03	7.99E-07	2.32E-07	1.07E-04	3.37E-08	9.79E-09
1682	495511.06, 3858851.99	2.51E-03	7.91E-07	2.30E-07	2.00E-04	6.31E-08	1.84E-08	2.54E-03	8.02E-07	2.33E-07	2.31E-04	7.28E-08	2.12E-08	2.51E-03	7.92E-07	2.30E-07	1.06E-04	3.36E-08	9.76E-09
1683	495561.06, 3858851.99	2.47E-03	7.79E-07	2.27E-07	1.97E-04	6.21E-08	1.81E-08	2.50E-03	7.90E-07	2.30E-07	2.27E-04	7.16E-08	2.08E-08	2.47E-03	7.80E-07	2.27E-07	1.05E-04	3.30E-08	9.60E-09
1684	495611.06, 3858851.99	2.44E-03	7.69E-07	2.24E-07	1.94E-04	6.14E-08	1.79E-08	2.47E-03	7.80E-07	2.27E-07	2.24E-04	7.08E-08	2.06E-08	2.44E-03	7.70E-07	2.24E-07	1.03E-04	3.26E-08	9.50E-09
1685	495661.06, 3858851.99	2.43E-03	7.66E-07	2.23E-07	1.94E-04	6.13E-08	1.78E-08	2.46E-03	7.76E-07	2.26E-07	2.24E-04	7.07E-08	2.06E-08	2.43E-03	7.66E-07	2.23E-07	1.03E-04	3.26E-08	9.48E-09
1686	494311.06, 3858901.99	3.34E-03	1.05E-06	3.07E-07	2.46E-04	7.75E-08	2.25E-08	3.38E-03	1.07E-06	3.11E-07	2.83E-04	8.94E-08	2.60E-08	3.36E-03	1.06E-06	3.08E-07	1.31E-04	4.12E-08	1.20E-08
1687	494361.06, 3858901.99	3.41E-03	1.08E-06	3.13E-07	2.52E-04	7.94E-08	2.31E-08	3.45E-03	1.09E-06	3.17E-07	2.90E-04	9.17E-08	2.67E-08	3.43E-03	1.08E-06	3.15E-07	1.34E-04	4.23E-08	1.23E-08
1688	494411.06, 3858901.99	3.41E-03	1.08E-06	3.13E-07	2.52E-04	7.96E-08	2.31E-08	3.45E-03	1.09E-06	3.17E-07	2.91E-04	9.19E-08	2.67E-08	3.42E-03	1.08E-06	3.14E-07	1.34E-04	4.24E-08	1.23E-08
1689	494461.06, 3858901.99	3.39E-03	1.07E-06	3.12E-07	2.52E-04	7.95E-08	2.31E-08	3.44E-03	1.08E-06	3.15E-07	2.91E-04	9.18E-08	2.67E-08	3.41E-03	1.08E-06	3.13E-07	1.34E-04	4.23E-08	1.23E-08
1690	494511.06, 3858901.99	3.38E-03	1.07E-06	3.10E-07	2.52E-04	7.95E-08	2.31E-08	3.42E-03	1.08E-06	3.14E-07	2.91E-04	9.17E-08	2.67E-08	3.39E-03	1.07E-06	3.12E-07	1.34E-04	4.23E-08	1.23E-08
1691	494561.06, 3858901.99	3.33E-03	1.05E-06	3.06E-07	2.49E-04	7.87E-08	2.29E-08	3.37E-03	1.06E-06	3.10E-07	2.88E-04	9.08E-08	2.64E-08	3.35E-03	1.06E-06	3.07E-07	1.33E-04	4.18E-08	1.22E-08
1692	494611.06, 3858901.99	3.25E-03	1.03E-06	2.99E-07	2.44E-04	7.71E-08	2.24E-08	3.30E-03	1.04E-06	3.02E-07	2.82E-04	8.90E-08	2.59E-08	3.27E-03	1.03E-06	3.00E-07	1.30E-04	4.10E-08	1.19E-08
1693	494661.06, 3858901.99	3.21E-03	1.01E-06	2.95E-07	2.42E-04	7.63E-08	2.22E-08	3.25E-03	1.03E-06	2.98E-07	2.79E-04	8.81E-08	2.56E-08	3.22E-03	1.02E-06	2.96E-07	1.29E-04	4.06E-08	1.18E-08
1694	494711.06, 3858901.99	3.14E-03	9.91E-07	2.88E-07	2.37E-04	7.48E-08	2.18E-08	3.18E-03	1.00E-06	2.92E-07	2.74E-04	8.64E-08	2.51E-08	3.15E-03	9.95E-07	2.89E-07	1.26E-04	3.98E-08	1.16E-08
1695	494761.06, 3858901.99	3.06E-03	9.65E-07	2.81E-07	2.31E-04	7.31E-08	2.13E-08	3.10E-03	9.77E-07	2.84E-07	2.67E-04	8.43E-08	2.45E-08	3.07E-03	9.69E-07	2.82E-07	1.23E-04	3.89E-08	1.13E-08
1696	494811.06, 3858901.99	3.01E-03	9.50E-07	2.76E-07	2.28E-04	7.21E-08	2.10E-08	3.05E-03	9.62E-07	2.80E-07	2.64E-04	8.32E-08	2.42E-08	3.02E-03	9.53E-07	2.77E-07	1.21E-04	3.83E-08	1.11E-08
1697	494861.06, 3858901.99	2.97E-03	9.37E-07	2.73E-07	2.26E-04	7.13E-08	2.07E-08	3.01E-03	9.49E-07	2.76E-07	2.61E-04	8.23E-08	2.40E-08	2.98E-03	9.41E-07	2.74E-07	1.20E-04	3.79E-08	1.10E-08
1698	494911.06, 3858901.99	2.89E-03	9.13E-07	2.66E-07	2.20E-04	6.96E-08	2.02E-08	2.93E-03	9.25E-07	2.69E-07	2.54E-04	8.03E-08	2.34E-08	2.90E-03	9.16E-07	2.67E-07	1.17E-04	3.70E-08	1.08E-08
1699	494961.06, 3858901.99	2.85E-03	8.99E-07	2.62E-07	2.18E-04	6.87E-08	2.00E-08	2.89E-03	9.11E-07	2.65E-07	2.51E-04	7.93E-08	2.31E-08	2.86E-03	9.02E-07	2.62E-07	1.16E-04	3.65E-08	1.06E-08
1700	495011.06, 3858901.99	2.81E-03	8.86E-07	2.58E-07	2.15E-04	6.78E-08	1.97E-08	2.84E-03	8.97E-07	2.61E-07	2.48E-04	7.82E-08	2.28E-08	2.82E-03	8.88E-07	2.58E-07	1.14E-04	3.61E-08	1.05E-08
1701	495061.06, 3858901.99	2.75E-03	8.67E-07	2.52E-07	2.10E-04	6.64E-08	1.93E-08	2.78E-03	8.78E-07	2.55E-07	2.43E-04	7.67E-08	2.23E-08	2.76E-03	8.70E-07	2.53E-07	1.12E-04	3.53E-08	1.03E-08
1702	495111.06, 3858901.99	2.67E-03	8.42E-07	2.45E-07	2.04E-04	6.45E-08	1.87E-08	2.70E-03	8.53E-07	2.48E-07	2.36E-04	7.44E-08	2.16E-08	2.68E-03	8.45E-07	2.46E-07	1.09E-04	3.43E-08	9.97E-09
1703	495161.06, 3858901.99	2.64E-03	8.33E-07	2.42E-07	2.03E-04	6.39E-08	1.86E-08	2.67E-03	8.44E-07	2.46E-07	2.34E-04	7.38E-08	2.15E-08	2.65E-03	8.36E-07	2.43E-07	1.08E-04	3.40E-08	9.90E-09
1704	495211.06, 3858901.99	2.65E-03	8.35E-07	2.43E-07	2.04E-04	6.44E-08	1.87E-08	2.68E-03	8.46E-07	2.46E-07	2.36E-04	7.44E-08	2.16E-08	2.65E-03	8.38E-07	2.44E-07	1.09E-04	3.43E-08	9.97E-09
1705	495261.06, 3858901.99	2.63E-03	8.31E-07	2.42E-07	2.04E-04	6.44E-08	1.87E-08	2.67E-03	8.42E-07	2.45E-07	2.36E-04	7.43E-08	2.16E-08	2.64E-03	8.34E-07	2.42E-07	1.09E-04	3.43E-08	9.97E-09
1706	495311.06, 3858901.99	2.62E-03	8.26E-07	2.40E-07	2.03E-04	6.42E-08	1.87E-08	2.65E-03	8.37E-07	2.43E-07	2.35E-04	7.41E-08	2.16E-08	2.62E-03	8.28E-07	2.41E-07	1.08E-04	3.42E-08	9.93E-09
1707	495361.06, 3858901.99	2.60E-03	8.21E-07	2.39E-07	2.03E-04	6.40E-08	1.86E-08	2.64E-03	8.32E-07	2.42E-07	2.34E-04	7.39E-08	2.15E-08	2.61E-03	8.23E-07	2.39E-07	1.08E-04	3.41E-08	9.91E-09
1708	495411.06, 3858901.99	2.60E-03	8.19E-07	2.38E-07	2.03E-04	6.42E-08	1.87E-08	2.63E-03	8.30E-07	2.41E-07	2.35E-04	7.41E-08	2.15E-08	2.60E-03	8.21E-07	2.39E-07	1.08E-04	3.41E-08	9.93E-09
1709	495461.06, 3858901.99	2.57E-03	8.13E-07	2.36E-07	2.02E-04	6.38E-08	1.86E-08	2.61E-03	8.23E-07	2.39E-07	2.33E-04	7.37E-08	2.14E-08	2.58E-03	8.14E-07	2.37E-07	1.08E-04	3.39E-08	9.88E-09
1710	495511.06, 3858901.99	2.55E-03	8.03E-07	2.34E-07	2.00E-04	6.32E-08	1.84E-08	2.58E-03	8.14E-07	2.37E-07	2.31E-04	7.30E-08	2.12E-08	2.55E-03	8.05E-07	2.34E-07	1.07E-04	3.36E-08	9.78E-09
1711	495561.06, 3858901.99	2.52E-03	7.95E-07	2.31E-07	1.99E-04	6.28E-08	1.83E-08	2.55E-03	8.06E-07	2.34E-07	2.30E-04	7.25E-08	2.11E-08	2.52E-03	7.97E-07	2.32E-07	1.06E-04	3.34E-08	9.71E-09
1712	495611.06, 3858901.99	2.49E-03	7.85E-07	2.28E-07	1.97E-04	6.21E-08	1.81E-08	2.52E-03	7.96E-07	2.31E-07	2.27E-04	7.17E-08	2.08E-08	2.49E-03	7.87E-07	2.29E-07	1.05E-04	3.30E-08	9.60E-09

1713 495661.06, 3858901.99	2.48E-03	7.82E-07	2.28E-07	1.97E-04	6.21E-08	1.81E-08	2.51E-03	7.93E-07	2.31E-07	2.27E-04	7.17E-08	2.08E-08	2.48E-03	7.84E-07	2.28E-07	1.05E-04	3.30E-08	9.60E-09
1714 494311.06, 3858951.99	3.50E-03	1.10E-06	3.21E-07	2.53E-04	7.99E-08	2.32E-08	3.54E-03	1.12E-06	3.25E-07	2.92E-04	9.22E-08	2.68E-08	3.52E-03	1.11E-06	3.23E-07	1.35E-04	4.25E-08	1.24E-08
1715 494361.06, 3858951.99	3.52E-03	1.11E-06	3.23E-07	2.55E-04	8.05E-08	2.34E-08	3.56E-03	1.12E-06	3.27E-07	2.94E-04	9.29E-08	2.70E-08	3.54E-03	1.12E-06	3.25E-07	1.36E-04	4.28E-08	1.25E-08
1716 494411.06, 3858951.99	3.48E-03	1.10E-06	3.20E-07	2.53E-04	8.00E-08	2.33E-08	3.52E-03	1.11E-06	3.23E-07	2.92E-04	9.23E-08	2.68E-08	3.50E-03	1.11E-06	3.21E-07	1.35E-04	4.25E-08	1.24E-08
1717 494461.06, 3858951.99	3.47E-03	1.10E-06	3.19E-07	2.53E-04	8.00E-08	2.33E-08	3.51E-03	1.11E-06	3.23E-07	2.93E-04	9.23E-08	2.69E-08	3.49E-03	1.10E-06	3.21E-07	1.35E-04	4.25E-08	1.24E-08
1718 494511.06, 3858951.99	3.44E-03	1.09E-06	3.16E-07	2.52E-04	7.96E-08	2.31E-08	3.48E-03	1.10E-06	3.20E-07	2.91E-04	9.19E-08	2.67E-08	3.46E-03	1.09E-06	3.18E-07	1.34E-04	4.23E-08	1.23E-08
1719 494561.06, 3858951.99	3.39E-03	1.07E-06	3.12E-07	2.50E-04	7.88E-08	2.29E-08	3.44E-03	1.08E-06	3.16E-07	2.88E-04	9.10E-08	2.65E-08	3.41E-03	1.08E-06	3.13E-07	1.33E-04	4.19E-08	1.22E-08
1720 494611.06, 3858951.99	3.33E-03	1.05E-06	3.06E-07	2.46E-04	7.76E-08	2.26E-08	3.37E-03	1.06E-06	3.09E-07	2.84E-04	8.95E-08	2.60E-08	3.35E-03	1.06E-06	3.07E-07	1.31E-04	4.12E-08	1.20E-08
1721 494661.06, 3858951.99	3.27E-03	1.03E-06	3.00E-07	2.42E-04	7.64E-08	2.22E-08	3.31E-03	1.04E-06	3.04E-07	2.80E-04	8.82E-08	2.57E-08	3.28E-03	1.04E-06	3.01E-07	1.29E-04	4.06E-08	1.18E-08
1722 494711.06, 3858951.99	3.18E-03	1.00E-06	2.92E-07	2.37E-04	7.47E-08	2.17E-08	3.22E-03	1.02E-06	2.96E-07	2.73E-04	8.62E-08	2.51E-08	3.20E-03	1.01E-06	2.94E-07	1.26E-04	3.97E-08	1.16E-08
1723 494761.06, 3858951.99	3.12E-03	9.85E-07	2.86E-07	2.33E-04	7.35E-08	2.14E-08	3.16E-03	9.97E-07	2.90E-07	2.69E-04	8.48E-08	2.47E-08	3.13E-03	9.89E-07	2.88E-07	1.24E-04	3.91E-08	1.14E-08
1724 494811.06, 3858951.99	3.08E-03	9.71E-07	2.82E-07	2.30E-04	7.26E-08	2.11E-08	3.11E-03	9.83E-07	2.86E-07	2.66E-04	8.38E-08	2.44E-08	3.09E-03	9.75E-07	2.84E-07	1.22E-04	3.86E-08	1.12E-08
1725 494861.06, 3858951.99	3.03E-03	9.56E-07	2.78E-07	2.28E-04	7.18E-08	2.09E-08	3.07E-03	9.68E-07	2.82E-07	2.63E-04	8.29E-08	2.41E-08	3.04E-03	9.61E-07	2.79E-07	1.21E-04	3.82E-08	1.11E-08
1726 494911.06, 3858951.99	2.97E-03	9.37E-07	2.72E-07	2.23E-04	7.05E-08	2.05E-08	3.01E-03	9.49E-07	2.76E-07	2.58E-04	8.14E-08	2.37E-08	2.98E-03	9.41E-07	2.74E-07	1.19E-04	3.75E-08	1.09E-08
1727 494961.06, 3858951.99	2.93E-03	9.26E-07	2.69E-07	2.21E-04	6.99E-08	2.03E-08	2.97E-03	9.38E-07	2.73E-07	2.56E-04	8.07E-08	2.35E-08	2.95E-03	9.30E-07	2.70E-07	1.18E-04	3.72E-08	1.08E-08
1728 495011.06, 3858951.99	2.84E-03	8.98E-07	2.61E-07	2.15E-04	6.78E-08	1.97E-08	2.88E-03	9.09E-07	2.64E-07	2.48E-04	7.82E-08	2.28E-08	2.86E-03	9.01E-07	2.62E-07	1.14E-04	3.61E-08	1.05E-08
1729 495061.06, 3858951.99	2.76E-03	8.71E-07	2.53E-07	2.08E-04	6.58E-08	1.91E-08	2.80E-03	8.82E-07	2.57E-07	2.41E-04	7.59E-08	2.21E-08	2.77E-03	8.75E-07	2.54E-07	1.11E-04	3.50E-08	1.02E-08
1730 495111.06, 3858951.99	2.70E-03	8.51E-07	2.48E-07	2.04E-04	6.43E-08	1.87E-08	2.73E-03	8.62E-07	2.51E-07	2.35E-04	7.42E-08	2.16E-08	2.71E-03	8.54E-07	2.49E-07	1.08E-04	3.42E-08	9.95E-09
1731 495161.06, 3858951.99	2.71E-03	8.56E-07	2.49E-07	2.06E-04	6.51E-08	1.89E-08	2.75E-03	8.67E-07	2.52E-07	2.38E-04	7.51E-08	2.19E-08	2.72E-03	8.60E-07	2.50E-07	1.10E-04	3.46E-08	1.01E-08
1732 495211.06, 3858951.99	2.70E-03	8.53E-07	2.48E-07	2.06E-04	6.51E-08	1.89E-08	2.74E-03	8.64E-07	2.51E-07	2.38E-04	7.52E-08	2.19E-08	2.71E-03	8.56E-07	2.49E-07	1.10E-04	3.46E-08	1.01E-08
1733 495261.06, 3858951.99	2.69E-03	8.50E-07	2.47E-07	2.06E-04	6.51E-08	1.89E-08	2.73E-03	8.60E-07	2.50E-07	2.38E-04	7.52E-08	2.19E-08	2.70E-03	8.52E-07	2.48E-07	1.10E-04	3.46E-08	1.01E-08
1734 495311.06, 3858951.99	2.66E-03	8.39E-07	2.44E-07	2.04E-04	6.44E-08	1.87E-08	2.69E-03	8.50E-07	2.47E-07	2.36E-04	7.44E-08	2.16E-08	2.67E-03	8.41E-07	2.45E-07	1.09E-04	3.43E-08	9.97E-09
1735 495361.06, 3858951.99	2.65E-03	8.36E-07	2.43E-07	2.04E-04	6.45E-08	1.88E-08	2.68E-03	8.47E-07	2.46E-07	2.36E-04	7.45E-08	2.17E-08	2.66E-03	8.39E-07	2.44E-07	1.09E-04	3.43E-08	9.98E-09
1736 495411.06, 3858951.99	2.65E-03	8.35E-07	2.43E-07	2.05E-04	6.47E-08	1.88E-08	2.68E-03	8.46E-07	2.46E-07	2.37E-04	7.47E-08	2.17E-08	2.65E-03	8.37E-07	2.44E-07	1.09E-04	3.44E-08	1.00E-08
1737 495461.06, 3858951.99	2.63E-03	8.29E-07	2.41E-07	2.04E-04	6.45E-08	1.88E-08	2.66E-03	8.40E-07	2.44E-07	2.36E-04	7.44E-08	2.16E-08	2.63E-03	8.31E-07	2.42E-07	1.09E-04	3.43E-08	9.97E-09
1738 495511.06, 3858951.99	2.62E-03	8.26E-07	2.40E-07	2.04E-04	6.45E-08	1.88E-08	2.65E-03	8.37E-07	2.44E-07	2.36E-04	7.44E-08	2.17E-08	2.62E-03	8.28E-07	2.41E-07	1.09E-04	3.43E-08	9.97E-09
1739 495561.06, 3858951.99	2.57E-03	8.12E-07	2.36E-07	2.01E-04	6.34E-08	1.85E-08	2.61E-03	8.22E-07	2.39E-07	2.32E-04	7.32E-08	2.13E-08	2.58E-03	8.14E-07	2.37E-07	1.07E-04	3.37E-08	9.81E-09
1740 495611.06, 3858951.99	2.54E-03	8.02E-07	2.33E-07	1.99E-04	6.29E-08	1.83E-08	2.58E-03	8.13E-07	2.36E-07	2.30E-04	7.26E-08	2.11E-08	2.55E-03	8.04E-07	2.34E-07	1.06E-04	3.34E-08	9.72E-09
1741 495661.06, 3858951.99	2.53E-03	8.00E-07	2.33E-07	1.99E-04	6.29E-08	1.83E-08	2.57E-03	8.11E-07	2.36E-07	2.30E-04	7.26E-08	2.11E-08	2.54E-03	8.02E-07	2.33E-07	1.06E-04	3.34E-08	9.72E-09
1742 494311.06, 3859001.99	3.62E-03	1.14E-06	3.32E-07	2.57E-04	8.11E-08	2.36E-08	3.66E-03	1.16E-06	3.36E-07	2.97E-04	9.36E-08	2.72E-08	3.64E-03	1.15E-06	3.34E-07	1.37E-04	4.31E-08	1.25E-08
1743 494361.06, 3859001.99	3.60E-03	1.14E-06	3.30E-07	2.57E-04	8.10E-08	2.36E-08	3.64E-03	1.15E-06	3.34E-07	2.96E-04	9.35E-08	2.72E-08	3.62E-03	1.14E-06	3.33E-07	1.36E-04	4.31E-08	1.25E-08
1744 494411.06, 3859001.99	3.57E-03	1.13E-06	3.28E-07	2.55E-04	8.06E-08	2.34E-08	3.62E-03	1.14E-06	3.32E-07	2.95E-04	9.31E-08	2.71E-08	3.60E-03	1.14E-06	3.30E-07	1.36E-04	4.28E-08	1.25E-08
1745 494461.06, 3859001.99	3.55E-03	1.12E-06	3.25E-07	2.54E-04	8.03E-08	2.33E-08	3.59E-03	1.13E-06	3.29E-07	2.94E-04	9.27E-08	2.70E-08	3.57E-03	1.13E-06	3.28E-07	1.35E-04	4.27E-08	1.24E-08
1746 494511.06, 3859001.99	3.52E-03	1.11E-06	3.23E-07	2.53E-04	7.99E-08	2.32E-08	3.56E-03	1.12E-06	3.27E-07	2.92E-04	9.22E-08	2.68E-08	3.54E-03	1.12E-06	3.25E-07	1.35E-04	4.25E-08	1.23E-08
1747 494561.06, 3859001.99	3.45E-03	1.09E-06	3.17E-07	2.50E-04	7.88E-08	2.29E-08	3.49E-03	1.10E-06	3.21E-07	2.88E-04	9.09E-08	2.64E-08	3.47E-03	1.10E-06	3.19E-07	1.33E-04	4.19E-08	1.22E-08
1748 494611.06, 3859001.99	3.39E-03	1.07E-06	3.11E-07	2.46E-04	7.77E-08	2.26E-08	3.43E-03	1.08E-06	3.15E-07	2.84E-04	8.97E-08	2.61E-08	3.41E-03	1.08E-06	3.13E-07	1.31E-04	4.13E-08	1.20E-08
1749 494661.06, 3859001.99	3.32E-03	1.05E-06	3.04E-07	2.42E-04	7.64E-08	2.22E-08	3.36E-03	1.06E-06	3.08E-07	2.79E-04	8.82E-08	2.56E-08	3.34E-03	1.05E-06	3.06E-07	1.29E-04	4.06E-08	1.18E-08
1750 494711.06, 3859001.99	3.23E-03	1.02E-06	2.97E-07	2.37E-04	7.47E-08	2.17E-08	3.27E-03	1.03E-06	3.00E-07	2.73E-04	8.63E-08	2.51E-08	3.25E-03	1.03E-06	2.98E-07	1.26E-04	3.97E-08	1.16E-08
1751 494761.06, 3859001.99	3.18E-03	1.00E-06	2.92E-07	2.34E-04	7.38E-08	2.15E-08	3.22E-03	1.02E-06	2.95E-07	2.70E-04	8.52E-08	2.48E-08	3.20E-03	1.01E-06	2.93E-07	1.24E-04	3.92E-08	1.14E-08
1752 494811.06, 3859001.99	3.15E-03	9.93E-07	2.89E-07	2.32E-04	7.33E-08	2.13E-08	3.18E-03	1.00E-06	2.92E-07	2.68E-04	8.46E-08	2.46E-08	3.16E-03	9.98E-07	2.90E-07	1.23E-04	3.89E-08	1.13E-08
1753 494861.06, 3859001.99	3.09E-03	9.75E-07	2.84E-07	2.29E-04	7.22E-08	2.10E-08	3.13E-03	9.87E-07	2.87E-07	2.64E-04	8.33E-08	2.42E-08	3.10E-03	9.80E-07	2.85E-07	1.22E-04	3.84E-08	1.12E-08
1754 494911.06, 3859001.99	3.03E-03	9.56E-07	2.78E-07	2.25E-04	7.10E-08	2.07E-08	3.07E-03	9.68E-07	2.82E-07	2.60E-04	8.20E-08	2.39E-08	3.05E-03	9.61E-07	2.80E-07	1.20E-04	3.78E-08	1.10E-08
1755 494961.06, 3859001.99	2.97E-03	9.38E-07	2.73E-07	2.21E-04	6.98E-08	2.03E-08	3.01E-03	9.50E-07	2.76E-07	2.55E-04	8.06E-08	2.35E-08	2.99E-03	9.42E-07	2.74E-07	1.18E-04	3.71E-08	1.08E-08
1756 495011.06, 3859001.99	2.83E-03	8.93E-07	2.60E-07	2.10E-04	6.64E-08	1.93E-08	2.87E-03	9.04E-07	2.63E-07	2.43E-04	7.67E-08	2.23E-08	2.84E-03	8.98E-07	2.61E-07	1.12E-04	3.53E-08	1.03E-08
1757 495061.06, 3859001.99	2.80E-03	8.83E-07	2.57E-07	2.09E-04	6.59E-08	1.92E-08	2.83E-03	8.94E-07	2.60E-07	2.41E-04	7.60E-08	2.21E-08	2.81E-03	8.87E-07	2.58E-07	1.11E-04	3.50E-08	1.02E-08
1758 495111.06, 3859001.99	2.74E-03	8.63E-07	2.51E-07	2.04E-04	6.45E-08	1.88E-08	2.77E-03	8.74E-07	2.54E-07	2.36E-04	7.44E-08	2.16E-08	2.75E-03	8.67E-07	2.52E-07	1.09E-04	3.43E-08	9.97E-09
1759 495161.06, 3859001.99	2.77E-03	8.74E-07	2.54E-07	2.08E-04	6.57E-08	1.91E-08	2.80E-03	8.85E-07	2.57E-07	2.40E-04	7.59E-08	2.21E-08	2.78E-03	8.78E-07	2.55E-07	1.11E-04	3.49E-08	1.02E-08
1760 495211.06, 3859001.99	2.75E-03	8.68E-07	2.53E-07	2.08E-04	6.55E-08	1.91E-08	2.79E-03	8.79E-07	2.56E-07	2.40E-04	7.56E-08	2.20E-08	2.76E-03	8.72E-07	2.54E-07	1.10E-04	3.48E-08	1.01E-08
1761 495261.06, 3859001.99	2.74E-03	8.66E-07	2.52E-07	2.08E-04	6.56E-08	1.91E-08	2.78E-03	8.77E-07	2.55E-07	2.40E-04	7.57E-08	2.20E-08	2.75E-03	8.69E-07	2.53E-07	1.11E-04	3.49E-08	1.01E-08
1762 495311.06, 3859001.99	2.72E-03	8.59E-07	2.50E-07	2.07E-04	6.53E-08	1.90E-08	2.76E-03	8.70E-07	2.53E-07	2.39E-04	7.54E-08	2.19E-08	2.73E-03	8.62E-07	2.51E-07	1.10E-04	3.47E-08	1.01E-08
1763 495361.06, 3859001.99	2.71E-03	8.56E-07	2.49E-07	2.07E-04	6.54E-08	1.90E-08	2.75E-03	8.67E-07	2.52E-07	2.39E-04	7.54E-08	2.19E-08	2.72E-03	8.59E-07	2.50E-07	1.10E-04	3.47E-08	1.01E-08
1764 495411.06, 3859001.99	2.70E-03	8.51E-07	2.48E-07	2.07E-04	6.52E-08	1.90E-08	2.73E-03	8.62E-07	2.51E-07	2.39E-04	7.53E-08	2.19E-08	2.71E-03	8.54E-07	2.48E-07	1.10E-04	3.47E-08	1.01E-08
1765 495461.06, 3859001.99	2.68E-03	8.47E-07	2.46E-07	2.06E-04	6.52E-08	1.90E-08	2.72E-03	8.58E-07	2.50E-07	2.38E-04	7.52E-08	2.19E-08	2.69E-03	8.50E-07	2.47E-07	1.10E-04	3.46E-08	1.01E-08
1766 495511.06, 3859001.99	2.65E-03	8.35E-07	2.43E-07	2.04E-04	6.44E-08	1.87E-08	2.68E-03	8.46E-07	2.46E-07	2.36E-04	7.43E-08	2.16E-08	2.65E-03	8.38E-07	2.44E-07	1.08E-04	3.42E-08	9.96E-09
1767 495561.06, 3859001.99	2.62E-03	8.27E-07	2.41E-07	2.03E-04	6.40E-08	1.86E-08	2.66E-03	8.38E-07	2.44E-07	2.34E-04	7.39E-08	2.15E-08	2.63E-03	8.30E-07	2.41E-07	1.08E-04	3.40E-08	9.89E-09
1768 495611.06, 3859001.99	2.60E-03	8.19E-07	2.38E-07	2.01E-04	6.35E-08	1.85E-08	2.63E-03	8.30E-07	2.41E-07	2.32E-04	7.33E-08	2.13E-08	2.60E-03	8.21E-07	2.39E-07	1.07E-04	3.38E-08	9.82E-09
1769 495661.06, 3859001.99	2.60E-03	8.21E-07	2.39E-07	2.03E-04	6.40E-08	1.86E-08	2.64E-03	8.32E-07	2.42E-07	2.34E-04	7.38E-08	2.15E-08	2.61E-03	8.23E-07	2.39E-07	1.08E-04	3.40E-08	9.89E-09
1770 494311.06, 3859051.99	3.71E-03	1.17E-06	3.41E-07	2.59E-04	8.17E-08	2.38E-08	3.75E-03	1.18E-06	3.45E-07	2.99E-04	9.43E-08	2.74E-08	3.74E-03	1.18E-06	3.43E-07	1.38E-04	4.34E-08	1.26E-08
1771 494361.06, 3859051.99	3.69E-03	1.17E-06	3.39E-07	2.58E-04	8.15E-08	2.37E-08	3.74E-03	1.18E-06	3.43E-07	2.98E-04	9.41E-08	2.74E-08	3.73E-03	1.18E-06	3.42E-07	1.37E-04	4.33E-08	1.26E-08
1772 494411.06, 3859051.99	3.66E-03	1.15E-06	3.36E-07	2.56E-04	8.09E-08	2.35E-08	3.70E-03	1.17E-06	3.40E-07	2.96E-04	9.34E-08	2.72E-08	3.68E-03	1.16E-06	3.38E-07	1.36E-04	4.30E-08	1.25E-08
1773 494461.06, 3859051.99	3.61E-03	1.14E-06	3.31E-07	2.54E-04	8.03E-08	2.33E-08	3.65E-03	1.15E-06	3.35E-07	2.94E-04	9.27E-08	2.70E-08	3.64E-03	1.15E-06	3.34E-07	1.35E-04	4.26E-08	1.24E-08
1774 494511.06, 3859051.99	3.55E-03	1.12E-06	3.26E-07	2.52E-04	7.94E-08	2.31E-08	3.59E-03	1.13E-06	3.30E-07	2.90E-04	9.17E-08	2.67E-08	3.58E-03	1.13E-06	3.29E-07	1.34E-04	4.22E-08	1.23E-08
1775 494561.06, 3859051.99	3.50E-03	1.11E-06	3.22E-07	2.49E-04	7.86E-08	2.29E-08	3.55E-03	1.12E-06	3.25E-07	2.88E-04	9.08E-08	2.64E-08	3.53E-03	1.11E-06	3.24E-07	1.32E-04	4.18E-08	1.22E-08
1776 494611.06, 3859051.99	3.44E-03	1.09E-06	3.16E-07	2.46E-04	7.76E-08	2.26E-08	3.48E-03	1.10E-06	3.20E-07	2.84E-04	8.96E-08	2.61E-08	3.46E-03	1.09E-06	3.18E-07	1.31E-04	4.12E-08	1.20E-08
1777 494661.06, 3859051.99	3.37E-03	1.06E-06	3.10E-07	2.42E-04	7.64E-08	2.22E-08	3.41E-03	1.08E-06	3.13E-07	2.80E-04	8.82E-08	2.57E-08	3.39E-03	1.07E-06	3.12E-07	1.29E-04	4.06E-08	1.18E-08
1778 494711.06, 3859051.99	3.31E-03	1.04E-06	3.04E-07	2.39E-04	7.53E-08	2.19E-08	3.35E-03	1.06E-06	3.07E-07	2.76E-04	8.70E-08	2.53E-08	3.33E-03	1.05E-06	3.06E-07	1.27E-04	4.00E-08	1.16E-08

1779	494761.06, 3859051.99	3.24E-03	1.02E-06	2.98E-07	2.35E-04	7.42E-08	2.16E-08	3.28E-03	1.04E-06	3.01E-07	2.71E-04	8.56E-08	2.49E-08	3.26E-03	1.03E-06	3.00E-07	1.25E-04	3.94E-08	1.15E-08
1780	494811.06, 3859051.99	3.20E-03	1.01E-06	2.93E-07	2.32E-04	7.33E-08	2.13E-08	3.24E-03	1.02E-06	2.97E-07	2.68E-04	8.47E-08	2.46E-08	3.22E-03	1.01E-06	2.95E-07	1.24E-04	3.90E-08	1.13E-08
1781	494861.06, 3859051.99	3.15E-03	9.93E-07	2.89E-07	2.30E-04	7.25E-08	2.11E-08	3.19E-03	1.01E-06	2.92E-07	2.65E-04	8.37E-08	2.43E-08	3.17E-03	9.99E-07	2.91E-07	1.22E-04	3.85E-08	1.12E-08
1782	494911.06, 3859051.99	3.08E-03	9.71E-07	2.82E-07	2.25E-04	7.11E-08	2.07E-08	3.11E-03	9.83E-07	2.86E-07	2.60E-04	8.21E-08	2.39E-08	3.09E-03	9.77E-07	2.84E-07	1.20E-04	3.78E-08	1.10E-08
1783	494961.06, 3859051.99	2.98E-03	9.40E-07	2.73E-07	2.19E-04	6.90E-08	2.01E-08	3.01E-03	9.51E-07	2.77E-07	2.52E-04	7.97E-08	2.32E-08	2.99E-03	9.45E-07	2.75E-07	1.16E-04	3.67E-08	1.07E-08
1784	495011.06, 3859051.99	2.90E-03	9.16E-07	2.66E-07	2.14E-04	6.74E-08	1.96E-08	2.94E-03	9.27E-07	2.70E-07	2.47E-04	7.78E-08	2.26E-08	2.92E-03	9.21E-07	2.68E-07	1.14E-04	3.58E-08	1.04E-08
1785	495061.06, 3859051.99	2.85E-03	9.00E-07	2.62E-07	2.10E-04	6.64E-08	1.93E-08	2.89E-03	9.11E-07	2.65E-07	2.43E-04	7.67E-08	2.23E-08	2.87E-03	9.05E-07	2.63E-07	1.12E-04	3.53E-08	1.03E-08
1786	495111.06, 3859051.99	2.82E-03	8.91E-07	2.59E-07	2.09E-04	6.59E-08	1.92E-08	2.86E-03	9.02E-07	2.62E-07	2.41E-04	7.61E-08	2.21E-08	2.84E-03	8.95E-07	2.60E-07	1.11E-04	3.50E-08	1.02E-08
1787	495161.06, 3859051.99	2.83E-03	8.94E-07	2.60E-07	2.11E-04	6.65E-08	1.94E-08	2.87E-03	9.06E-07	2.63E-07	2.43E-04	7.68E-08	2.23E-08	2.85E-03	8.99E-07	2.61E-07	1.12E-04	3.54E-08	1.03E-08
1788	495211.06, 3859051.99	2.80E-03	8.83E-07	2.57E-07	2.09E-04	6.59E-08	1.92E-08	2.83E-03	8.95E-07	2.60E-07	2.41E-04	7.61E-08	2.21E-08	2.81E-03	8.88E-07	2.58E-07	1.11E-04	3.50E-08	1.02E-08
1789	495261.06, 3859051.99	2.80E-03	8.84E-07	2.57E-07	2.10E-04	6.62E-08	1.93E-08	2.84E-03	8.95E-07	2.60E-07	2.42E-04	7.65E-08	2.22E-08	2.81E-03	8.88E-07	2.58E-07	1.12E-04	3.52E-08	1.02E-08
1790	495311.06, 3859051.99	2.77E-03	8.76E-07	2.55E-07	2.09E-04	6.59E-08	1.92E-08	2.81E-03	8.87E-07	2.58E-07	2.41E-04	7.60E-08	2.21E-08	2.79E-03	8.80E-07	2.56E-07	1.11E-04	3.50E-08	1.02E-08
1791	495361.06, 3859051.99	2.76E-03	8.71E-07	2.53E-07	2.08E-04	6.58E-08	1.91E-08	2.80E-03	8.82E-07	2.57E-07	2.41E-04	7.59E-08	2.21E-08	2.77E-03	8.75E-07	2.55E-07	1.11E-04	3.50E-08	1.02E-08
1792	495411.06, 3859051.99	2.75E-03	8.69E-07	2.53E-07	2.09E-04	6.59E-08	1.92E-08	2.79E-03	8.80E-07	2.56E-07	2.41E-04	7.60E-08	2.21E-08	2.77E-03	8.73E-07	2.54E-07	1.11E-04	3.50E-08	1.02E-08
1793	495461.06, 3859051.99	2.75E-03	8.67E-07	2.52E-07	2.09E-04	6.59E-08	1.92E-08	2.78E-03	8.78E-07	2.55E-07	2.41E-04	7.61E-08	2.21E-08	2.76E-03	8.70E-07	2.53E-07	1.11E-04	3.50E-08	1.02E-08
1794	495511.06, 3859051.99	2.71E-03	8.54E-07	2.48E-07	2.06E-04	6.51E-08	1.90E-08	2.74E-03	8.65E-07	2.52E-07	2.38E-04	7.52E-08	2.19E-08	2.72E-03	8.57E-07	2.49E-07	1.10E-04	3.46E-08	1.01E-08
1795	495561.06, 3859051.99	2.67E-03	8.44E-07	2.46E-07	2.05E-04	6.46E-08	1.88E-08	2.71E-03	8.55E-07	2.49E-07	2.36E-04	7.45E-08	2.17E-08	2.68E-03	8.47E-07	2.46E-07	1.09E-04	3.43E-08	9.98E-09
1796	495611.06, 3859051.99	2.65E-03	8.35E-07	2.43E-07	2.03E-04	6.41E-08	1.86E-08	2.68E-03	8.46E-07	2.46E-07	2.34E-04	7.40E-08	2.15E-08	2.66E-03	8.38E-07	2.44E-07	1.08E-04	3.41E-08	9.91E-09
1797	495661.06, 3859051.99	2.65E-03	8.36E-07	2.43E-07	2.04E-04	6.44E-08	1.87E-08	2.68E-03	8.47E-07	2.46E-07	2.36E-04	7.44E-08	2.16E-08	2.66E-03	8.39E-07	2.44E-07	1.08E-04	3.42E-08	9.96E-09
1798	494311.06, 3859101.99	3.81E-03	1.20E-06	3.49E-07	2.60E-04	8.20E-08	2.39E-08	3.85E-03	1.22E-06	3.53E-07	3.00E-04	9.47E-08	2.75E-08	3.84E-03	1.21E-06	3.53E-07	1.38E-04	4.35E-08	1.27E-08
1799	494361.06, 3859101.99	3.77E-03	1.19E-06	3.46E-07	2.58E-04	8.15E-08	2.37E-08	3.81E-03	1.20E-06	3.50E-07	2.98E-04	9.41E-08	2.74E-08	3.80E-03	1.20E-06	3.49E-07	1.37E-04	4.33E-08	1.26E-08
1800	494411.06, 3859101.99	3.74E-03	1.18E-06	3.43E-07	2.57E-04	8.12E-08	2.36E-08	3.78E-03	1.19E-06	3.47E-07	2.97E-04	9.37E-08	2.73E-08	3.77E-03	1.19E-06	3.46E-07	1.37E-04	4.31E-08	1.25E-08
1801	494461.06, 3859101.99	3.69E-03	1.16E-06	3.39E-07	2.55E-04	8.05E-08	2.34E-08	3.73E-03	1.18E-06	3.43E-07	2.94E-04	9.29E-08	2.70E-08	3.72E-03	1.17E-06	3.42E-07	1.35E-04	4.27E-08	1.24E-08
1802	494511.06, 3859101.99	3.62E-03	1.14E-06	3.32E-07	2.52E-04	7.95E-08	2.31E-08	3.66E-03	1.16E-06	3.36E-07	2.91E-04	9.17E-08	2.67E-08	3.65E-03	1.15E-06	3.35E-07	1.34E-04	4.22E-08	1.23E-08
1803	494561.06, 3859101.99	3.56E-03	1.13E-06	3.27E-07	2.49E-04	7.87E-08	2.29E-08	3.61E-03	1.14E-06	3.31E-07	2.88E-04	9.08E-08	2.64E-08	3.59E-03	1.13E-06	3.30E-07	1.32E-04	4.18E-08	1.22E-08
1804	494611.06, 3859101.99	3.48E-03	1.10E-06	3.20E-07	2.45E-04	7.74E-08	2.25E-08	3.53E-03	1.11E-06	3.24E-07	2.83E-04	8.93E-08	2.60E-08	3.51E-03	1.11E-06	3.22E-07	1.30E-04	4.11E-08	1.20E-08
1805	494661.06, 3859101.99	3.43E-03	1.08E-06	3.15E-07	2.43E-04	7.65E-08	2.23E-08	3.47E-03	1.10E-06	3.19E-07	2.80E-04	8.84E-08	2.57E-08	3.46E-03	1.09E-06	3.17E-07	1.29E-04	4.07E-08	1.18E-08
1806	494711.06, 3859101.99	3.34E-03	1.06E-06	3.07E-07	2.38E-04	7.50E-08	2.18E-08	3.38E-03	1.07E-06	3.11E-07	2.74E-04	8.66E-08	2.52E-08	3.37E-03	1.06E-06	3.09E-07	1.26E-04	3.98E-08	1.16E-08
1807	494761.06, 3859101.99	3.32E-03	1.05E-06	3.04E-07	2.37E-04	7.47E-08	2.17E-08	3.36E-03	1.06E-06	3.08E-07	2.73E-04	8.62E-08	2.51E-08	3.34E-03	1.05E-06	3.07E-07	1.26E-04	3.97E-08	1.15E-08
1808	494811.06, 3859101.99	3.26E-03	1.03E-06	2.99E-07	2.33E-04	7.37E-08	2.14E-08	3.30E-03	1.04E-06	3.03E-07	2.69E-04	8.50E-08	2.47E-08	3.28E-03	1.04E-06	3.01E-07	1.24E-04	3.91E-08	1.14E-08
1809	494861.06, 3859101.99	3.20E-03	1.01E-06	2.94E-07	2.31E-04	7.28E-08	2.12E-08	3.24E-03	1.02E-06	2.98E-07	2.66E-04	8.40E-08	2.44E-08	3.23E-03	1.02E-06	2.96E-07	1.22E-04	3.87E-08	1.12E-08
1810	494911.06, 3859101.99	3.13E-03	9.88E-07	2.87E-07	2.26E-04	7.14E-08	2.08E-08	3.17E-03	1.00E-06	2.91E-07	2.61E-04	8.24E-08	2.40E-08	3.15E-03	9.94E-07	2.89E-07	1.20E-04	3.79E-08	1.10E-08
1811	494961.06, 3859101.99	3.02E-03	9.54E-07	2.78E-07	2.19E-04	6.92E-08	2.01E-08	3.06E-03	9.66E-07	2.81E-07	2.53E-04	7.99E-08	2.32E-08	3.04E-03	9.60E-07	2.79E-07	1.17E-04	3.68E-08	1.07E-08
1812	495011.06, 3859101.99	2.91E-03	9.20E-07	2.68E-07	2.12E-04	6.68E-08	1.94E-08	2.95E-03	9.31E-07	2.71E-07	2.44E-04	7.71E-08	2.24E-08	2.93E-03	9.26E-07	2.69E-07	1.13E-04	3.55E-08	1.03E-08
1813	495061.06, 3859101.99	2.91E-03	9.18E-07	2.67E-07	2.12E-04	6.70E-08	1.95E-08	2.94E-03	9.29E-07	2.70E-07	2.45E-04	7.73E-08	2.25E-08	2.93E-03	9.23E-07	2.69E-07	1.13E-04	3.56E-08	1.04E-08
1814	495111.06, 3859101.99	2.87E-03	9.07E-07	2.64E-07	2.10E-04	6.64E-08	1.93E-08	2.91E-03	9.18E-07	2.67E-07	2.43E-04	7.66E-08	2.23E-08	2.89E-03	9.12E-07	2.65E-07	1.12E-04	3.53E-08	1.03E-08
1815	495161.06, 3859101.99	2.89E-03	9.11E-07	2.65E-07	2.12E-04	6.70E-08	1.95E-08	2.92E-03	9.22E-07	2.68E-07	2.45E-04	7.73E-08	2.25E-08	2.90E-03	9.16E-07	2.66E-07	1.13E-04	3.56E-08	1.04E-08
1816	495211.06, 3859101.99	2.85E-03	9.01E-07	2.62E-07	2.11E-04	6.65E-08	1.93E-08	2.89E-03	9.12E-07	2.65E-07	2.43E-04	7.67E-08	2.23E-08	2.87E-03	9.06E-07	2.63E-07	1.12E-04	3.53E-08	1.03E-08
1817	495261.06, 3859101.99	2.85E-03	8.99E-07	2.61E-07	2.11E-04	6.66E-08	1.94E-08	2.88E-03	9.10E-07	2.65E-07	2.43E-04	7.68E-08	2.24E-08	2.86E-03	9.04E-07	2.63E-07	1.12E-04	3.54E-08	1.03E-08
1818	495311.06, 3859101.99	2.83E-03	8.94E-07	2.60E-07	2.11E-04	6.66E-08	1.94E-08	2.87E-03	9.05E-07	2.63E-07	2.44E-04	7.69E-08	2.24E-08	2.85E-03	8.98E-07	2.61E-07	1.12E-04	3.54E-08	1.03E-08
1819	495361.06, 3859101.99	2.83E-03	8.93E-07	2.60E-07	2.11E-04	6.66E-08	1.94E-08	2.86E-03	9.04E-07	2.63E-07	2.44E-04	7.69E-08	2.24E-08	2.84E-03	8.97E-07	2.61E-07	1.12E-04	3.54E-08	1.03E-08
1820	495411.06, 3859101.99	2.82E-03	8.89E-07	2.58E-07	2.11E-04	6.66E-08	1.94E-08	2.85E-03	9.00E-07	2.62E-07	2.43E-04	7.68E-08	2.23E-08	2.83E-03	8.93E-07	2.60E-07	1.12E-04	3.54E-08	1.03E-08
1821	495461.06, 3859101.99	2.79E-03	8.81E-07	2.56E-07	2.10E-04	6.64E-08	1.93E-08	2.83E-03	8.92E-07	2.59E-07	2.43E-04	7.66E-08	2.23E-08	2.80E-03	8.85E-07	2.57E-07	1.12E-04	3.53E-08	1.03E-08
1822	495511.06, 3859101.99	2.77E-03	8.75E-07	2.54E-07	2.10E-04	6.61E-08	1.92E-08	2.81E-03	8.86E-07	2.58E-07	2.42E-04	7.64E-08	2.22E-08	2.78E-03	8.79E-07	2.56E-07	1.11E-04	3.51E-08	1.02E-08
1823	495561.06, 3859101.99	2.74E-03	8.64E-07	2.51E-07	2.07E-04	6.54E-08	1.90E-08	2.77E-03	8.75E-07	2.55E-07	2.39E-04	7.55E-08	2.20E-08	2.75E-03	8.68E-07	2.52E-07	1.10E-04	3.47E-08	1.01E-08
1824	495611.06, 3859101.99	2.70E-03	8.53E-07	2.48E-07	2.05E-04	6.48E-08	1.88E-08	2.74E-03	8.64E-07	2.51E-07	2.37E-04	7.48E-08	2.18E-08	2.72E-03	8.57E-07	2.49E-07	1.09E-04	3.44E-08	1.00E-08
1825	495661.06, 3859101.99	2.70E-03	8.51E-07	2.48E-07	2.05E-04	6.48E-08	1.89E-08	2.73E-03	8.62E-07	2.51E-07	2.37E-04	7.49E-08	2.18E-08	2.71E-03	8.54E-07	2.48E-07	1.09E-04	3.44E-08	1.00E-08
1826	494311.06, 3859151.99	3.89E-03	1.23E-06	3.57E-07	2.60E-04	8.20E-08	2.39E-08	3.93E-03	1.24E-06	3.61E-07	3.00E-04	9.47E-08	2.75E-08	3.93E-03	1.24E-06	3.61E-07	1.38E-04	4.35E-08	1.27E-08
1827	494361.06, 3859151.99	3.86E-03	1.22E-06	3.55E-07	2.59E-04	8.17E-08	2.38E-08	3.91E-03	1.23E-06	3.59E-07	2.99E-04	9.44E-08	2.74E-08	3.90E-03	1.23E-06	3.58E-07	1.37E-04	4.34E-08	1.26E-08
1828	494411.06, 3859151.99	3.80E-03	1.20E-06	3.49E-07	2.57E-04	8.10E-08	2.36E-08	3.85E-03	1.21E-06	3.53E-07	2.96E-04	9.35E-08	2.72E-08	3.84E-03	1.21E-06	3.53E-07	1.36E-04	4.30E-08	1.25E-08
1829	494461.06, 3859151.99	3.74E-03	1.18E-06	3.44E-07	2.54E-04	8.02E-08	2.33E-08	3.79E-03	1.19E-06	3.48E-07	2.93E-04	9.26E-08	2.69E-08	3.78E-03	1.19E-06	3.47E-07	1.35E-04	4.26E-08	1.24E-08
1830	494511.06, 3859151.99	3.67E-03	1.16E-06	3.37E-07	2.51E-04	7.92E-08	2.30E-08	3.71E-03	1.17E-06	3.41E-07	2.90E-04	9.14E-08	2.66E-08	3.70E-03	1.17E-06	3.40E-07	1.33E-04	4.20E-08	1.22E-08
1831	494561.06, 3859151.99	3.62E-03	1.14E-06	3.32E-07	2.49E-04	7.85E-08	2.28E-08	3.66E-03	1.16E-06	3.36E-07	2.87E-04	9.07E-08	2.64E-08	3.65E-03	1.15E-06	3.36E-07	1.32E-04	4.17E-08	1.21E-08
1832	494611.06, 3859151.99	3.55E-03	1.12E-06	3.26E-07	2.45E-04	7.74E-08	2.25E-08	3.59E-03	1.13E-06	3.30E-07	2.83E-04	8.94E-08	2.60E-08	3.58E-03	1.13E-06	3.29E-07	1.30E-04	4.11E-08	1.20E-08
1833	494661.06, 3859151.99	3.50E-03	1.10E-06	3.21E-07	2.43E-04	7.67E-08	2.23E-08	3.54E-03	1.12E-06	3.25E-07	2.81E-04	8.86E-08	2.58E-08	3.53E-03	1.11E-06	3.24E-07	1.29E-04	4.07E-08	1.19E-08
1834	494711.06, 3859151.99	3.46E-03	1.09E-06	3.17E-07	2.41E-04	7.61E-08	2.21E-08	3.50E-03	1.10E-06	3.21E-07	2.79E-04	8.79E-08	2.56E-08	3.49E-03	1.10E-06	3.20E-07	1.28E-04	4.04E-08	1.18E-08
1835	494761.06, 3859151.99	3.37E-03	1.06E-06	3.10E-07	2.37E-04	7.48E-08	2.18E-08	3.41E-03	1.08E-06	3.13E-07	2.74E-04	8.64E-08	2.51E-08	3.40E-03	1.07E-06	3.12E-07	1.26E-04	3.97E-08	1.16E-08
1836	494811.06, 3859151.99	3.30E-03	1.04E-06	3.03E-07	2.33E-04	7.37E-08	2.14E-08	3.34E-03	1.06E-06	3.07E-07	2.69E-04	8.51E-08	2.47E-08	3.33E-03	1.05E-06	3.06E-07	1.24E-04	3.91E-08	1.14E-08
1837	494861.06, 3859151.99	3.26E-03	1.03E-06	2.99E-07	2.31E-04	7.29E-08	2.12E-08	3.30E-03	1.04E-06	3.03E-07	2.67E-04	8.42E-08	2.45E-08	3.28E-03	1.04E-06	3.01E-07	1.23E-04	3.87E-08	1.13E-08
1838	494911.06, 3859151.99	3.18E-03	1.00E-06	2.92E-07	2.26E-04	7.15E-08	2.08E-08	3.21E-03	1.01E-06	2.95E-07	2.61E-04	8.25E-08	2.40E-08	3.20E-03	1.01E-06	2.94E-07	1.20E-04	3.80E-08	1.10E-08
1839	494961.06, 3859151.99	3.07E-03	9.68E-07	2.82E-07	2.20E-04	6.95E-08	2.02E-08	3.10E-03	9.80E-07	2.85E-07	2.54E-04	8.03E-08	2.34E-08	3.09E-03	9.75E-07	2.84E-07	1.17E-04	3.69E-08	1.07E-08
1840	495011.06, 3859151.99	2.97E-03	9.37E-07	2.73E-07	2.13E-04	6.73E-08	1.96E-08	3.01E-03	9.49E-07	2.76E-07	2.46E-04	7.77E-08	2.26E-08	2.99E-03	9.44E-07	2.74E-07	1.13E-04	3.58E-08	1.04E-08
1841	495061.06, 3859151.99	2.95E-03	9.32E-07	2.71E-07	2.13E-04	6.72E-08	1.96E-08	2.99E-03	9.44E-07	2.74E-07	2.46E-04	7.76E-08	2.26E-08	2.97E-03	9.39E-07	2.73E-07	1.13E-04	3.57E-08	1.04E-08
1842	495111.06, 3859151.99	2.93E-03	9.25E-07	2.69E-07	2.12E-04	6.69E-08	1.95E-08	2.97E-03	9.36E-07	2.72E-07	2.45E-04	7.73E-08	2.25E-08	2.95E-03	9.31E-07	2.71E-07	1.13E-04	3.56E-08	1.03E-08
1843	495161.06, 3859151.99	2.94E-03	9.29E-07	2.70E-07	2.14E-04	6.75E-08	1.96E-08	2.98E-03	9.40E-07	2.73E-07	2.47E-04	7.79E-08	2.27E-08	2.96E-03	9.34E-07	2.72E-07	1.14E-04	3.58E-08	1.04E-08
1844	495211.06, 3859151.99	2.92E-03	9.22E-07	2.68E-07	2.13E-04	6.72E-08	1.96E-08	2.96E-03	9.33E-07	2.72E-07	2.46E-04	7.76E-08	2.26E-08	2.94E-03	9.28E-07	2.70E-07	1.13E-04	3.57E-08	1.04E-08

1845 495261.06, 3859151.99	2.90E-03	9.16E-07	2.66E-07	2.12E-04	6.70E-08	1.95E-08	2.94E-03	9.27E-07	2.70E-07	2.45E-04	7.74E-08	2.25E-08	2.92E-03	9.22E-07	2.68E-07	1.13E-04	3.56E-08	1.04E-08
1846 495311.06, 3859151.99	2.89E-03	9.11E-07	2.65E-07	2.12E-04	6.69E-08	1.95E-08	2.92E-03	9.23E-07	2.68E-07	2.45E-04	7.73E-08	2.25E-08	2.90E-03	9.17E-07	2.67E-07	1.13E-04	3.56E-08	1.03E-08
1847 495361.06, 3859151.99	2.87E-03	9.06E-07	2.63E-07	2.12E-04	6.68E-08	1.94E-08	2.91E-03	9.17E-07	2.67E-07	2.44E-04	7.71E-08	2.24E-08	2.89E-03	9.11E-07	2.65E-07	1.12E-04	3.55E-08	1.03E-08
1848 495411.06, 3859151.99	2.88E-03	9.08E-07	2.64E-07	2.13E-04	6.72E-08	1.95E-08	2.91E-03	9.20E-07	2.68E-07	2.46E-04	7.76E-08	2.26E-08	2.89E-03	9.13E-07	2.66E-07	1.13E-04	3.57E-08	1.04E-08
1849 495461.06, 3859151.99	2.86E-03	9.04E-07	2.63E-07	2.12E-04	6.71E-08	1.95E-08	2.90E-03	9.15E-07	2.66E-07	2.45E-04	7.74E-08	2.25E-08	2.88E-03	9.08E-07	2.64E-07	1.13E-04	3.56E-08	1.04E-08
1850 495511.06, 3859151.99	2.82E-03	8.91E-07	2.59E-07	2.10E-04	6.64E-08	1.93E-08	2.86E-03	9.02E-07	2.62E-07	2.43E-04	7.67E-08	2.23E-08	2.84E-03	8.96E-07	2.61E-07	1.12E-04	3.53E-08	1.03E-08
1851 495561.06, 3859151.99	2.80E-03	8.82E-07	2.57E-07	2.09E-04	6.60E-08	1.92E-08	2.83E-03	8.93E-07	2.60E-07	2.41E-04	7.62E-08	2.21E-08	2.81E-03	8.87E-07	2.58E-07	1.11E-04	3.50E-08	1.02E-08
1852 495611.06, 3859151.99	2.77E-03	8.74E-07	2.54E-07	2.08E-04	6.56E-08	1.91E-08	2.81E-03	8.85E-07	2.58E-07	2.40E-04	7.57E-08	2.20E-08	2.78E-03	8.79E-07	2.56E-07	1.10E-04	3.48E-08	1.01E-08
1853 495661.06, 3859151.99	2.75E-03	8.67E-07	2.52E-07	2.07E-04	6.53E-08	1.90E-08	2.78E-03	8.78E-07	2.56E-07	2.39E-04	7.54E-08	2.19E-08	2.76E-03	8.71E-07	2.53E-07	1.10E-04	3.47E-08	1.01E-08
1854 494311.06, 3859201.99	3.97E-03	1.25E-06	3.64E-07	2.59E-04	8.18E-08	2.38E-08	4.01E-03	1.27E-06	3.68E-07	2.99E-04	9.45E-08	2.75E-08	4.02E-03	1.27E-06	3.69E-07	1.38E-04	4.34E-08	1.26E-08
1855 494361.06, 3859201.99	3.93E-03	1.24E-06	3.61E-07	2.58E-04	8.14E-08	2.37E-08	3.97E-03	1.25E-06	3.65E-07	2.98E-04	9.40E-08	2.73E-08	3.97E-03	1.25E-06	3.65E-07	1.37E-04	4.32E-08	1.26E-08
1856 494411.06, 3859201.99	3.88E-03	1.22E-06	3.56E-07	2.56E-04	8.08E-08	2.35E-08	3.92E-03	1.24E-06	3.60E-07	2.96E-04	9.33E-08	2.71E-08	3.92E-03	1.24E-06	3.60E-07	1.36E-04	4.29E-08	1.25E-08
1857 494461.06, 3859201.99	3.80E-03	1.20E-06	3.49E-07	2.53E-04	7.99E-08	2.32E-08	3.85E-03	1.21E-06	3.53E-07	2.92E-04	9.22E-08	2.68E-08	3.84E-03	1.21E-06	3.53E-07	1.34E-04	4.24E-08	1.23E-08
1858 494511.06, 3859201.99	3.75E-03	1.18E-06	3.44E-07	2.51E-04	7.93E-08	2.31E-08	3.79E-03	1.20E-06	3.48E-07	2.90E-04	9.15E-08	2.66E-08	3.79E-03	1.20E-06	3.48E-07	1.33E-04	4.21E-08	1.22E-08
1859 494561.06, 3859201.99	3.67E-03	1.16E-06	3.37E-07	2.48E-04	7.82E-08	2.28E-08	3.71E-03	1.17E-06	3.41E-07	2.86E-04	9.03E-08	2.63E-08	3.71E-03	1.17E-06	3.41E-07	1.32E-04	4.15E-08	1.21E-08
1860 494611.06, 3859201.99	3.61E-03	1.14E-06	3.31E-07	2.45E-04	7.74E-08	2.25E-08	3.65E-03	1.15E-06	3.35E-07	2.83E-04	8.94E-08	2.60E-08	3.64E-03	1.15E-06	3.35E-07	1.30E-04	4.11E-08	1.19E-08
1861 494661.06, 3859201.99	3.56E-03	1.12E-06	3.27E-07	2.43E-04	7.67E-08	2.23E-08	3.60E-03	1.14E-06	3.30E-07	2.81E-04	8.86E-08	2.58E-08	3.59E-03	1.13E-06	3.30E-07	1.29E-04	4.07E-08	1.18E-08
1862 494711.06, 3859201.99	3.51E-03	1.11E-06	3.22E-07	2.41E-04	7.60E-08	2.21E-08	3.55E-03	1.12E-06	3.26E-07	2.78E-04	8.78E-08	2.55E-08	3.54E-03	1.12E-06	3.25E-07	1.28E-04	4.03E-08	1.17E-08
1863 494761.06, 3859201.99	3.43E-03	1.08E-06	3.15E-07	2.37E-04	7.48E-08	2.18E-08	3.47E-03	1.09E-06	3.19E-07	2.74E-04	8.64E-08	2.51E-08	3.46E-03	1.09E-06	3.18E-07	1.26E-04	3.97E-08	1.16E-08
1864 494811.06, 3859201.99	3.36E-03	1.06E-06	3.09E-07	2.34E-04	7.38E-08	2.15E-08	3.40E-03	1.07E-06	3.12E-07	2.70E-04	8.52E-08	2.48E-08	3.39E-03	1.07E-06	3.11E-07	1.24E-04	3.92E-08	1.14E-08
1865 494861.06, 3859201.99	3.29E-03	1.04E-06	3.02E-07	2.30E-04	7.27E-08	2.12E-08	3.32E-03	1.05E-06	3.05E-07	2.66E-04	8.40E-08	2.44E-08	3.31E-03	1.05E-06	3.04E-07	1.22E-04	3.86E-08	1.12E-08
1866 494911.06, 3859201.99	3.20E-03	1.01E-06	2.94E-07	2.25E-04	7.10E-08	2.07E-08	3.24E-03	1.02E-06	2.97E-07	2.60E-04	8.20E-08	2.39E-08	3.22E-03	1.02E-06	2.96E-07	1.20E-04	3.77E-08	1.10E-08
1867 494961.06, 3859201.99	3.11E-03	9.80E-07	2.85E-07	2.20E-04	6.93E-08	2.02E-08	3.14E-03	9.92E-07	2.88E-07	2.54E-04	8.00E-08	2.33E-08	3.13E-03	9.88E-07	2.87E-07	1.17E-04	3.68E-08	1.07E-08
1868 495011.06, 3859201.99	2.98E-03	9.42E-07	2.74E-07	2.12E-04	6.69E-08	1.95E-08	3.02E-03	9.53E-07	2.77E-07	2.45E-04	7.73E-08	2.25E-08	3.01E-03	9.49E-07	2.76E-07	1.13E-04	3.55E-08	1.03E-08
1869 495061.06, 3859201.99	3.02E-03	9.52E-07	2.77E-07	2.15E-04	6.79E-08	1.97E-08	3.05E-03	9.64E-07	2.80E-07	2.48E-04	7.84E-08	2.28E-08	3.04E-03	9.59E-07	2.79E-07	1.14E-04	3.60E-08	1.05E-08
1870 495111.06, 3859201.99	3.01E-03	9.49E-07	2.76E-07	2.15E-04	6.79E-08	1.98E-08	3.04E-03	9.61E-07	2.79E-07	2.48E-04	7.84E-08	2.28E-08	3.03E-03	9.56E-07	2.78E-07	1.14E-04	3.61E-08	1.05E-08
1871 495161.06, 3859201.99	2.99E-03	9.45E-07	2.75E-07	2.15E-04	6.78E-08	1.97E-08	3.03E-03	9.56E-07	2.78E-07	2.48E-04	7.83E-08	2.28E-08	3.01E-03	9.51E-07	2.77E-07	1.14E-04	3.60E-08	1.05E-08
1872 495211.06, 3859201.99	2.96E-03	9.35E-07	2.72E-07	2.13E-04	6.74E-08	1.96E-08	3.00E-03	9.47E-07	2.75E-07	2.46E-04	7.78E-08	2.26E-08	2.98E-03	9.42E-07	2.74E-07	1.13E-04	3.58E-08	1.04E-08
1873 495261.06, 3859201.99	2.96E-03	9.33E-07	2.71E-07	2.14E-04	6.74E-08	1.96E-08	2.99E-03	9.44E-07	2.75E-07	2.47E-04	7.79E-08	2.26E-08	2.98E-03	9.39E-07	2.73E-07	1.13E-04	3.58E-08	1.04E-08
1874 495311.06, 3859201.99	2.94E-03	9.28E-07	2.70E-07	2.13E-04	6.73E-08	1.96E-08	2.98E-03	9.40E-07	2.73E-07	2.46E-04	7.77E-08	2.26E-08	2.96E-03	9.34E-07	2.72E-07	1.13E-04	3.57E-08	1.04E-08
1875 495361.06, 3859201.99	2.93E-03	9.25E-07	2.69E-07	2.13E-04	6.73E-08	1.96E-08	2.97E-03	9.36E-07	2.72E-07	2.46E-04	7.77E-08	2.26E-08	2.95E-03	9.30E-07	2.71E-07	1.13E-04	3.57E-08	1.04E-08
1876 495411.06, 3859201.99	2.93E-03	9.26E-07	2.69E-07	2.14E-04	6.76E-08	1.97E-08	2.97E-03	9.38E-07	2.73E-07	2.47E-04	7.80E-08	2.27E-08	2.95E-03	9.32E-07	2.71E-07	1.14E-04	3.59E-08	1.04E-08
1877 495461.06, 3859201.99	2.91E-03	9.19E-07	2.67E-07	2.13E-04	6.73E-08	1.96E-08	2.95E-03	9.30E-07	2.71E-07	2.46E-04	7.77E-08	2.26E-08	2.93E-03	9.25E-07	2.69E-07	1.13E-04	3.57E-08	1.04E-08
1878 495511.06, 3859201.99	2.89E-03	9.12E-07	2.65E-07	2.12E-04	6.70E-08	1.95E-08	2.93E-03	9.23E-07	2.69E-07	2.45E-04	7.74E-08	2.25E-08	2.91E-03	9.17E-07	2.67E-07	1.13E-04	3.56E-08	1.04E-08
1879 495561.06, 3859201.99	2.85E-03	8.99E-07	2.61E-07	2.10E-04	6.63E-08	1.93E-08	2.88E-03	9.10E-07	2.65E-07	2.43E-04	7.66E-08	2.23E-08	2.86E-03	9.04E-07	2.63E-07	1.12E-04	3.52E-08	1.02E-08
1880 495611.06, 3859201.99	2.82E-03	8.89E-07	2.59E-07	2.09E-04	6.59E-08	1.92E-08	2.85E-03	9.00E-07	2.62E-07	2.41E-04	7.60E-08	2.21E-08	2.83E-03	8.94E-07	2.60E-07	1.11E-04	3.50E-08	1.02E-08
1881 495661.06, 3859201.99	2.80E-03	8.82E-07	2.57E-07	2.08E-04	6.56E-08	1.91E-08	2.83E-03	8.93E-07	2.60E-07	2.40E-04	7.57E-08	2.20E-08	2.81E-03	8.87E-07	2.58E-07	1.10E-04	3.48E-08	1.01E-08
1882 494311.06, 3859251.99	4.05E-03	1.28E-06	3.72E-07	2.58E-04	8.15E-08	2.37E-08	4.09E-03	1.29E-06	3.76E-07	2.98E-04	9.41E-08	2.74E-08	4.10E-03	1.29E-06	3.77E-07	1.37E-04	4.32E-08	1.26E-08
1883 494361.06, 3859251.99	3.99E-03	1.26E-06	3.66E-07	2.56E-04	8.09E-08	2.35E-08	4.04E-03	1.27E-06	3.70E-07	2.96E-04	9.34E-08	2.72E-08	4.04E-03	1.28E-06	3.71E-07	1.36E-04	4.29E-08	1.25E-08
1884 494411.06, 3859251.99	3.92E-03	1.24E-06	3.59E-07	2.54E-04	8.01E-08	2.33E-08	3.96E-03	1.25E-06	3.63E-07	2.93E-04	9.25E-08	2.69E-08	3.96E-03	1.25E-06	3.64E-07	1.35E-04	4.25E-08	1.24E-08
1885 494461.06, 3859251.99	3.86E-03	1.22E-06	3.55E-07	2.52E-04	7.95E-08	2.31E-08	3.90E-03	1.23E-06	3.58E-07	2.91E-04	9.18E-08	2.67E-08	3.91E-03	1.23E-06	3.59E-07	1.34E-04	4.22E-08	1.23E-08
1886 494511.06, 3859251.99	3.78E-03	1.19E-06	3.47E-07	2.49E-04	7.86E-08	2.29E-08	3.82E-03	1.21E-06	3.51E-07	2.87E-04	9.07E-08	2.64E-08	3.82E-03	1.21E-06	3.51E-07	1.32E-04	4.17E-08	1.21E-08
1887 494561.06, 3859251.99	3.73E-03	1.18E-06	3.42E-07	2.47E-04	7.79E-08	2.27E-08	3.77E-03	1.19E-06	3.46E-07	2.85E-04	9.00E-08	2.62E-08	3.77E-03	1.19E-06	3.46E-07	1.31E-04	4.13E-08	1.20E-08
1888 494611.06, 3859251.99	3.66E-03	1.15E-06	3.36E-07	2.44E-04	7.71E-08	2.24E-08	3.70E-03	1.17E-06	3.39E-07	2.82E-04	8.90E-08	2.59E-08	3.70E-03	1.17E-06	3.39E-07	1.30E-04	4.09E-08	1.19E-08
1889 494661.06, 3859251.99	3.62E-03	1.14E-06	3.32E-07	2.43E-04	7.66E-08	2.23E-08	3.66E-03	1.15E-06	3.36E-07	2.80E-04	8.84E-08	2.57E-08	3.65E-03	1.15E-06	3.35E-07	1.29E-04	4.06E-08	1.18E-08
1890 494711.06, 3859251.99	3.56E-03	1.12E-06	3.27E-07	2.40E-04	7.59E-08	2.21E-08	3.60E-03	1.14E-06	3.31E-07	2.78E-04	8.76E-08	2.55E-08	3.60E-03	1.14E-06	3.31E-07	1.28E-04	4.03E-08	1.17E-08
1891 494761.06, 3859251.99	3.44E-03	1.09E-06	3.16E-07	2.35E-04	7.42E-08	2.16E-08	3.48E-03	1.10E-06	3.19E-07	2.72E-04	8.57E-08	2.49E-08	3.47E-03	1.10E-06	3.19E-07	1.25E-04	3.94E-08	1.15E-08
1892 494811.06, 3859251.99	3.42E-03	1.08E-06	3.14E-07	2.34E-04	7.39E-08	2.15E-08	3.46E-03	1.09E-06	3.18E-07	2.70E-04	8.53E-08	2.48E-08	3.45E-03	1.09E-06	3.17E-07	1.24E-04	3.92E-08	1.14E-08
1893 494861.06, 3859251.99	3.31E-03	1.05E-06	3.04E-07	2.29E-04	7.23E-08	2.10E-08	3.35E-03	1.06E-06	3.08E-07	2.65E-04	8.35E-08	2.43E-08	3.34E-03	1.05E-06	3.07E-07	1.22E-04	3.84E-08	1.12E-08
1894 494911.06, 3859251.99	3.22E-03	1.02E-06	2.96E-07	2.24E-04	7.06E-08	2.05E-08	3.26E-03	1.03E-06	2.99E-07	2.58E-04	8.16E-08	2.37E-08	3.25E-03	1.03E-06	2.98E-07	1.19E-04	3.75E-08	1.09E-08
1895 494961.06, 3859251.99	3.17E-03	1.00E-06	2.91E-07	2.21E-04	6.98E-08	2.03E-08	3.21E-03	1.01E-06	2.94E-07	2.55E-04	8.06E-08	2.35E-08	3.20E-03	1.01E-06	2.93E-07	1.17E-04	3.71E-08	1.08E-08
1896 495011.06, 3859251.99	3.11E-03	9.82E-07	2.86E-07	2.18E-04	6.88E-08	2.00E-08	3.15E-03	9.93E-07	2.89E-07	2.52E-04	7.95E-08	2.31E-08	3.14E-03	9.90E-07	2.88E-07	1.16E-04	3.65E-08	1.06E-08
1897 495061.06, 3859251.99	3.11E-03	9.80E-07	2.85E-07	2.18E-04	6.89E-08	2.00E-08	3.14E-03	9.92E-07	2.88E-07	2.52E-04	7.96E-08	2.31E-08	3.13E-03	9.88E-07	2.87E-07	1.16E-04	3.66E-08	1.06E-08
1898 495111.06, 3859251.99	3.08E-03	9.72E-07	2.83E-07	2.17E-04	6.85E-08	1.99E-08	3.11E-03	9.83E-07	2.86E-07	2.51E-04	7.91E-08	2.30E-08	3.10E-03	9.79E-07	2.85E-07	1.15E-04	3.64E-08	1.06E-08
1899 495161.06, 3859251.99	3.06E-03	9.66E-07	2.81E-07	2.17E-04	6.84E-08	1.99E-08	3.10E-03	9.78E-07	2.84E-07	2.50E-04	7.90E-08	2.30E-08	3.09E-03	9.74E-07	2.83E-07	1.15E-04	3.63E-08	1.06E-08
1900 495211.06, 3859251.99	3.03E-03	9.57E-07	2.78E-07	2.15E-04	6.80E-08	1.98E-08	3.07E-03	9.68E-07	2.82E-07	2.49E-04	7.85E-08	2.28E-08	3.05E-03	9.64E-07	2.80E-07	1.14E-04	3.61E-08	1.05E-08
1901 495261.06, 3859251.99	3.02E-03	9.52E-07	2.77E-07	2.16E-04	6.80E-08	1.98E-08	3.05E-03	9.63E-07	2.80E-07	2.49E-04	7.85E-08	2.28E-08	3.04E-03	9.59E-07	2.79E-07	1.14E-04	3.61E-08	1.05E-08
1902 495311.06, 3859251.99	3.01E-03	9.50E-07	2.76E-07	2.15E-04	6.79E-08	1.98E-08	3.05E-03	9.61E-07	2.80E-07	2.48E-04	7.84E-08	2.28E-08	3.03E-03	9.57E-07	2.78E-07	1.14E-04	3.61E-08	1.05E-08
1903 495361.06, 3859251.99	2.99E-03	9.44E-07	2.75E-07	2.15E-04	6.77E-08	1.97E-08	3.03E-03	9.55E-07	2.78E-07	2.48E-04	7.82E-08	2.27E-08	3.01E-03	9.51E-07	2.76E-07	1.14E-04	3.59E-08	1.05E-08
1904 495411.06, 3859251.99	2.99E-03	9.44E-07	2.74E-07	2.15E-04	6.79E-08	1.97E-08	3.03E-03	9.55E-07	2.78E-07	2.48E-04	7.84E-08	2.28E-08	3.01E-03	9.50E-07	2.76E-07	1.14E-04	3.60E-08	1.05E-08
1905 495461.06, 3859251.99	2.97E-03	9.37E-07	2.73E-07	2.14E-04	6.76E-08	1.97E-08	3.00E-03	9.48E-07	2.76E-07	2.47E-04	7.81E-08	2.27E-08	2.99E-03	9.43E-07	2.74E-07	1.14E-04	3.59E-08	1.04E-08
1906 495511.06, 3859251.99	2.93E-03	9.23E-07	2.69E-07	2.12E-04	6.69E-08	1.95E-08	2.96E-03	9.35E-07	2.72E-07	2.45E-04	7.73E-08	2.25E-08	2.94E-03	9.29E-07	2.70E-07	1.13E-04	3.55E-08	1.03E-08
1907 495561.06, 3859251.99	2.90E-03	9.15E-07	2.66E-07	2.11E-04	6.66E-08	1.94E-08	2.93E-03	9.26E-07	2.69E-07	2.44E-04	7.69E-08	2.24E-08	2.92E-03	9.21E-07	2.68E-07	1.12E-04	3.53E-08	1.03E-08
1908 495611.06, 3859251.99	2.86E-03	9.03E-07	2.63E-07	2.09E-04	6.60E-08	1.92E-08	2.90E-03	9.14E-07	2.66E-07	2.41E-04	7.62E-08	2.22E-08	2.88E-03	9.09E-07	2.64E-07	1.11E-04	3.50E-08	1.02E-08
1909 495661.06, 3859251.99	2.84E-03	8.95E-07	2.60E-07	2.08E-04	6.56E-08	1.91E-08	2.87E-03	9.06E-07	2.64E-07	2.40E-04	7.58E-08	2.20E-08	2.85E-03	9.00E-07	2.62E-07	1.10E-04	3.48E-08	1.01E-08
1910 494311.06, 3859301.99	4.12E-03	1.30E-06	3.79E-07	2.56E-04	8.09E-08	2.35E-08	4.17E-03	1.32E-06	3.83E-07	2.96E-04	9.35E-08	2.72E-08	4.18E-03	1.32E-06	3.84E-07	1.36E-04	4.29E-08	1.25E-08

1911 494361.06, 3859301.99	4.06E-03	1.28E-06	3.73E-07	2.55E-04	8.04E-08	2.34E-08	4.10E-03	1.30E-06	3.77E-07	2.94E-04	9.28E-08	2.70E-08	4.12E-03	1.30E-06	3.78E-07	1.35E-04	4.26E-08	1.24E-08
1912 494411.06, 3859301.99	3.98E-03	1.26E-06	3.66E-07	2.52E-04	7.96E-08	2.32E-08	4.03E-03	1.27E-06	3.70E-07	2.91E-04	9.20E-08	2.67E-08	4.03E-03	1.27E-06	3.70E-07	1.34E-04	4.22E-08	1.23E-08
1913 494461.06, 3859301.99	3.91E-03	1.23E-06	3.59E-07	2.50E-04	7.89E-08	2.29E-08	3.95E-03	1.25E-06	3.62E-07	2.89E-04	9.11E-08	2.65E-08	3.96E-03	1.25E-06	3.63E-07	1.32E-04	4.18E-08	1.22E-08
1914 494511.06, 3859301.99	3.84E-03	1.21E-06	3.52E-07	2.48E-04	7.81E-08	2.27E-08	3.88E-03	1.22E-06	3.56E-07	2.86E-04	9.02E-08	2.62E-08	3.89E-03	1.23E-06	3.57E-07	1.31E-04	4.14E-08	1.21E-08
1915 494561.06, 3859301.99	3.78E-03	1.19E-06	3.47E-07	2.46E-04	7.76E-08	2.26E-08	3.82E-03	1.21E-06	3.51E-07	2.84E-04	8.96E-08	2.61E-08	3.83E-03	1.21E-06	3.51E-07	1.30E-04	4.11E-08	1.20E-08
1916 494611.06, 3859301.99	3.72E-03	1.18E-06	3.42E-07	2.44E-04	7.69E-08	2.24E-08	3.76E-03	1.19E-06	3.46E-07	2.81E-04	8.88E-08	2.58E-08	3.77E-03	1.19E-06	3.46E-07	1.29E-04	4.08E-08	1.19E-08
1917 494661.06, 3859301.99	3.67E-03	1.16E-06	3.37E-07	2.41E-04	7.62E-08	2.22E-08	3.71E-03	1.17E-06	3.40E-07	2.79E-04	8.80E-08	2.56E-08	3.71E-03	1.17E-06	3.40E-07	1.28E-04	4.04E-08	1.18E-08
1918 494711.06, 3859301.99	3.60E-03	1.14E-06	3.30E-07	2.39E-04	7.54E-08	2.19E-08	3.64E-03	1.15E-06	3.34E-07	2.76E-04	8.71E-08	2.53E-08	3.64E-03	1.15E-06	3.34E-07	1.27E-04	4.00E-08	1.16E-08
1919 494761.06, 3859301.99	3.54E-03	1.12E-06	3.25E-07	2.36E-04	7.46E-08	2.17E-08	3.58E-03	1.13E-06	3.28E-07	2.73E-04	8.62E-08	2.51E-08	3.58E-03	1.13E-06	3.28E-07	1.25E-04	3.96E-08	1.15E-08
1920 494811.06, 3859301.99	3.46E-03	1.09E-06	3.17E-07	2.33E-04	7.35E-08	2.14E-08	3.49E-03	1.10E-06	3.21E-07	2.69E-04	8.49E-08	2.47E-08	3.49E-03	1.10E-06	3.20E-07	1.24E-04	3.90E-08	1.13E-08
1921 494861.06, 3859301.99	3.35E-03	1.06E-06	3.07E-07	2.28E-04	7.19E-08	2.09E-08	3.38E-03	1.07E-06	3.11E-07	2.63E-04	8.30E-08	2.41E-08	3.38E-03	1.07E-06	3.10E-07	1.21E-04	3.81E-08	1.11E-08
1922 494911.06, 3859301.99	3.29E-03	1.04E-06	3.02E-07	2.25E-04	7.10E-08	2.07E-08	3.33E-03	1.05E-06	3.05E-07	2.60E-04	8.20E-08	2.39E-08	3.32E-03	1.05E-06	3.05E-07	1.19E-04	3.77E-08	1.10E-08
1923 494961.06, 3859301.99	3.18E-03	1.00E-06	2.92E-07	2.20E-04	6.93E-08	2.02E-08	3.22E-03	1.02E-06	2.95E-07	2.54E-04	8.01E-08	2.33E-08	3.21E-03	1.01E-06	2.95E-07	1.17E-04	3.68E-08	1.07E-08
1924 495011.06, 3859301.99	3.14E-03	9.90E-07	2.88E-07	2.18E-04	6.87E-08	2.00E-08	3.17E-03	1.00E-06	2.91E-07	2.51E-04	7.93E-08	2.31E-08	3.16E-03	9.99E-07	2.91E-07	1.16E-04	3.65E-08	1.06E-08
1925 495061.06, 3859301.99	3.17E-03	1.00E-06	2.91E-07	2.20E-04	6.96E-08	2.02E-08	3.21E-03	1.01E-06	2.95E-07	2.55E-04	8.03E-08	2.34E-08	3.20E-03	1.01E-06	2.94E-07	1.17E-04	3.69E-08	1.07E-08
1926 495111.06, 3859301.99	3.11E-03	9.83E-07	2.86E-07	2.17E-04	6.86E-08	2.00E-08	3.15E-03	9.94E-07	2.89E-07	2.51E-04	7.92E-08	2.30E-08	3.14E-03	9.91E-07	2.88E-07	1.15E-04	3.64E-08	1.06E-08
1927 495161.06, 3859301.99	3.10E-03	9.78E-07	2.85E-07	2.17E-04	6.84E-08	1.99E-08	3.14E-03	9.90E-07	2.88E-07	2.50E-04	7.90E-08	2.30E-08	3.13E-03	9.87E-07	2.87E-07	1.15E-04	3.63E-08	1.06E-08
1928 495211.06, 3859301.99	3.10E-03	9.80E-07	2.85E-07	2.17E-04	6.86E-08	2.00E-08	3.14E-03	9.91E-07	2.88E-07	2.51E-04	7.92E-08	2.30E-08	3.13E-03	9.88E-07	2.87E-07	1.15E-04	3.64E-08	1.06E-08
1929 495261.06, 3859301.99	3.09E-03	9.77E-07	2.84E-07	2.17E-04	6.86E-08	1.99E-08	3.13E-03	9.88E-07	2.87E-07	2.51E-04	7.92E-08	2.30E-08	3.12E-03	9.85E-07	2.86E-07	1.15E-04	3.64E-08	1.06E-08
1930 495311.06, 3859301.99	3.05E-03	9.64E-07	2.80E-07	2.15E-04	6.80E-08	1.98E-08	3.09E-03	9.75E-07	2.84E-07	2.49E-04	7.85E-08	2.28E-08	3.08E-03	9.71E-07	2.83E-07	1.14E-04	3.61E-08	1.05E-08
1931 495361.06, 3859301.99	3.05E-03	9.62E-07	2.80E-07	2.16E-04	6.80E-08	1.98E-08	3.08E-03	9.74E-07	2.83E-07	2.49E-04	7.86E-08	2.29E-08	3.07E-03	9.70E-07	2.82E-07	1.14E-04	3.61E-08	1.05E-08
1932 495411.06, 3859301.99	3.03E-03	9.57E-07	2.78E-07	2.15E-04	6.79E-08	1.97E-08	3.07E-03	9.68E-07	2.82E-07	2.48E-04	7.84E-08	2.28E-08	3.06E-03	9.64E-07	2.81E-07	1.14E-04	3.60E-08	1.05E-08
1933 495461.06, 3859301.99	3.02E-03	9.53E-07	2.77E-07	2.15E-04	6.78E-08	1.97E-08	3.06E-03	9.64E-07	2.81E-07	2.48E-04	7.83E-08	2.28E-08	3.04E-03	9.60E-07	2.79E-07	1.14E-04	3.60E-08	1.05E-08
1934 495511.06, 3859301.99	2.98E-03	9.42E-07	2.74E-07	2.13E-04	6.73E-08	1.96E-08	3.02E-03	9.53E-07	2.77E-07	2.46E-04	7.77E-08	2.26E-08	3.01E-03	9.49E-07	2.76E-07	1.13E-04	3.57E-08	1.04E-08
1935 495561.06, 3859301.99	2.93E-03	9.24E-07	2.69E-07	2.10E-04	6.64E-08	1.93E-08	2.96E-03	9.36E-07	2.72E-07	2.43E-04	7.67E-08	2.23E-08	2.95E-03	9.31E-07	2.71E-07	1.12E-04	3.52E-08	1.02E-08
1936 495611.06, 3859301.99	2.90E-03	9.16E-07	2.66E-07	2.09E-04	6.61E-08	1.92E-08	2.94E-03	9.27E-07	2.70E-07	2.42E-04	7.63E-08	2.22E-08	2.92E-03	9.22E-07	2.68E-07	1.11E-04	3.50E-08	1.02E-08
1937 495661.06, 3859301.99	2.88E-03	9.08E-07	2.64E-07	2.08E-04	6.57E-08	1.91E-08	2.91E-03	9.19E-07	2.67E-07	2.40E-04	7.59E-08	2.21E-08	2.90E-03	9.14E-07	2.66E-07	1.10E-04	3.49E-08	1.01E-08
1938 494311.06, 3859351.99	4.18E-03	1.32E-06	3.83E-07	2.54E-04	8.01E-08	2.33E-08	4.22E-03	1.33E-06	3.87E-07	2.93E-04	9.25E-08	2.69E-08	4.24E-03	1.34E-06	3.89E-07	1.34E-04	4.24E-08	1.23E-08
1939 494361.06, 3859351.99	4.11E-03	1.30E-06	3.78E-07	2.52E-04	7.96E-08	2.31E-08	4.16E-03	1.31E-06	3.81E-07	2.91E-04	9.19E-08	2.67E-08	4.17E-03	1.32E-06	3.83E-07	1.34E-04	4.22E-08	1.23E-08
1940 494411.06, 3859351.99	4.03E-03	1.27E-06	3.70E-07	2.50E-04	7.88E-08	2.29E-08	4.07E-03	1.28E-06	3.74E-07	2.88E-04	9.11E-08	2.65E-08	4.08E-03	1.29E-06	3.75E-07	1.32E-04	4.18E-08	1.22E-08
1941 494461.06, 3859351.99	3.95E-03	1.25E-06	3.63E-07	2.48E-04	7.82E-08	2.27E-08	3.99E-03	1.26E-06	3.67E-07	2.86E-04	9.03E-08	2.63E-08	4.01E-03	1.26E-06	3.68E-07	1.31E-04	4.14E-08	1.21E-08
1942 494511.06, 3859351.99	3.89E-03	1.23E-06	3.57E-07	2.46E-04	7.76E-08	2.26E-08	3.93E-03	1.24E-06	3.61E-07	2.84E-04	8.96E-08	2.61E-08	3.94E-03	1.24E-06	3.62E-07	1.30E-04	4.11E-08	1.20E-08
1943 494561.06, 3859351.99	3.84E-03	1.21E-06	3.52E-07	2.44E-04	7.71E-08	2.24E-08	3.88E-03	1.22E-06	3.56E-07	2.82E-04	8.90E-08	2.59E-08	3.89E-03	1.23E-06	3.57E-07	1.29E-04	4.09E-08	1.19E-08
1944 494611.06, 3859351.99	3.78E-03	1.19E-06	3.47E-07	2.42E-04	7.65E-08	2.22E-08	3.82E-03	1.21E-06	3.51E-07	2.80E-04	8.83E-08	2.57E-08	3.83E-03	1.21E-06	3.51E-07	1.28E-04	4.06E-08	1.18E-08
1945 494661.06, 3859351.99	3.72E-03	1.17E-06	3.42E-07	2.40E-04	7.59E-08	2.21E-08	3.76E-03	1.19E-06	3.45E-07	2.78E-04	8.76E-08	2.55E-08	3.77E-03	1.19E-06	3.46E-07	1.27E-04	4.02E-08	1.17E-08
1946 494711.06, 3859351.99	3.65E-03	1.15E-06	3.35E-07	2.38E-04	7.50E-08	2.18E-08	3.69E-03	1.16E-06	3.39E-07	2.75E-04	8.66E-08	2.52E-08	3.69E-03	1.16E-06	3.39E-07	1.26E-04	3.98E-08	1.16E-08
1947 494761.06, 3859351.99	3.55E-03	1.12E-06	3.26E-07	2.35E-04	7.40E-08	2.15E-08	3.59E-03	1.13E-06	3.30E-07	2.71E-04	8.55E-08	2.49E-08	3.59E-03	1.13E-06	3.30E-07	1.24E-04	3.93E-08	1.14E-08
1948 494811.06, 3859351.99	3.44E-03	1.09E-06	3.16E-07	2.29E-04	7.24E-08	2.11E-08	3.48E-03	1.10E-06	3.19E-07	2.65E-04	8.36E-08	2.43E-08	3.48E-03	1.10E-06	3.19E-07	1.22E-04	3.84E-08	1.12E-08
1949 494861.06, 3859351.99	3.39E-03	1.07E-06	3.11E-07	2.27E-04	7.17E-08	2.09E-08	3.43E-03	1.08E-06	3.15E-07	2.62E-04	8.28E-08	2.41E-08	3.42E-03	1.08E-06	3.14E-07	1.21E-04	3.81E-08	1.11E-08
1950 494911.06, 3859351.99	3.35E-03	1.06E-06	3.08E-07	2.26E-04	7.13E-08	2.07E-08	3.39E-03	1.07E-06	3.11E-07	2.61E-04	8.23E-08	2.39E-08	3.39E-03	1.07E-06	3.11E-07	1.20E-04	3.78E-08	1.10E-08
1951 494961.06, 3859351.99	3.30E-03	1.04E-06	3.03E-07	2.24E-04	7.05E-08	2.05E-08	3.34E-03	1.05E-06	3.06E-07	2.58E-04	8.15E-08	2.37E-08	3.33E-03	1.05E-06	3.06E-07	1.19E-04	3.74E-08	1.09E-08
1952 495011.06, 3859351.99	3.26E-03	1.03E-06	2.99E-07	2.22E-04	7.00E-08	2.04E-08	3.30E-03	1.04E-06	3.03E-07	2.56E-04	8.08E-08	2.35E-08	3.29E-03	1.04E-06	3.02E-07	1.18E-04	3.71E-08	1.08E-08
1953 495061.06, 3859351.99	3.27E-03	1.03E-06	3.00E-07	2.23E-04	7.03E-08	2.04E-08	3.31E-03	1.04E-06	3.04E-07	2.57E-04	8.12E-08	2.36E-08	3.30E-03	1.04E-06	3.03E-07	1.18E-04	3.73E-08	1.08E-08
1954 495111.06, 3859351.99	3.23E-03	1.02E-06	2.96E-07	2.21E-04	6.97E-08	2.03E-08	3.26E-03	1.03E-06	3.00E-07	2.55E-04	8.05E-08	2.34E-08	3.26E-03	1.03E-06	2.99E-07	1.17E-04	3.70E-08	1.08E-08
1955 495161.06, 3859351.99	3.20E-03	1.01E-06	2.94E-07	2.20E-04	6.94E-08	2.02E-08	3.24E-03	1.02E-06	2.97E-07	2.54E-04	8.01E-08	2.33E-08	3.23E-03	1.02E-06	2.97E-07	1.17E-04	3.68E-08	1.07E-08
1956 495211.06, 3859351.99	3.17E-03	1.00E-06	2.91E-07	2.19E-04	6.91E-08	2.01E-08	3.21E-03	1.01E-06	2.95E-07	2.53E-04	7.97E-08	2.32E-08	3.20E-03	1.01E-06	2.94E-07	1.16E-04	3.66E-08	1.07E-08
1957 495261.06, 3859351.99	3.16E-03	9.98E-07	2.90E-07	2.19E-04	6.90E-08	2.01E-08	3.20E-03	1.01E-06	2.94E-07	2.52E-04	7.96E-08	2.32E-08	3.19E-03	1.01E-06	2.93E-07	1.16E-04	3.66E-08	1.06E-08
1958 495311.06, 3859351.99	3.12E-03	9.86E-07	2.87E-07	2.17E-04	6.85E-08	1.99E-08	3.16E-03	9.98E-07	2.90E-07	2.50E-04	7.91E-08	2.30E-08	3.15E-03	9.95E-07	2.89E-07	1.15E-04	3.63E-08	1.06E-08
1959 495361.06, 3859351.99	3.10E-03	9.79E-07	2.85E-07	2.16E-04	6.82E-08	1.98E-08	3.14E-03	9.90E-07	2.88E-07	2.49E-04	7.87E-08	2.29E-08	3.13E-03	9.87E-07	2.87E-07	1.15E-04	3.62E-08	1.05E-08
1960 495411.06, 3859351.99	3.09E-03	9.74E-07	2.83E-07	2.16E-04	6.81E-08	1.98E-08	3.12E-03	9.86E-07	2.87E-07	2.49E-04	7.86E-08	2.29E-08	3.11E-03	9.83E-07	2.86E-07	1.14E-04	3.61E-08	1.05E-08
1961 495461.06, 3859351.99	3.08E-03	9.72E-07	2.83E-07	2.16E-04	6.81E-08	1.98E-08	3.12E-03	9.83E-07	2.86E-07	2.49E-04	7.86E-08	2.29E-08	3.11E-03	9.80E-07	2.85E-07	1.14E-04	3.61E-08	1.05E-08
1962 495511.06, 3859351.99	3.03E-03	9.57E-07	2.78E-07	2.13E-04	6.74E-08	1.96E-08	3.07E-03	9.68E-07	2.82E-07	2.46E-04	7.78E-08	2.26E-08	3.06E-03	9.65E-07	2.81E-07	1.13E-04	3.57E-08	1.04E-08
1963 495561.06, 3859351.99	2.99E-03	9.45E-07	2.75E-07	2.12E-04	6.68E-08	1.94E-08	3.03E-03	9.56E-07	2.78E-07	2.45E-04	7.72E-08	2.24E-08	3.02E-03	9.53E-07	2.77E-07	1.12E-04	3.55E-08	1.03E-08
1964 495611.06, 3859351.99	2.97E-03	9.36E-07	2.72E-07	2.11E-04	6.65E-08	1.93E-08	3.00E-03	9.48E-07	2.76E-07	2.43E-04	7.68E-08	2.23E-08	2.99E-03	9.44E-07	2.75E-07	1.12E-04	3.53E-08	1.03E-08
1965 495661.06, 3859351.99	2.92E-03	9.21E-07	2.68E-07	2.08E-04	6.58E-08	1.91E-08	2.95E-03	9.33E-07	2.71E-07	2.41E-04	7.59E-08	2.21E-08	2.94E-03	9.28E-07	2.70E-07	1.11E-04	3.49E-08	1.01E-08
1966 494311.06, 3859401.99	4.25E-03	1.34E-06	3.90E-07	2.51E-04	7.93E-08	2.31E-08	4.29E-03	1.35E-06	3.94E-07	2.90E-04	9.16E-08	2.66E-08	4.32E-03	1.36E-06	3.96E-07	1.33E-04	4.20E-08	1.22E-08
1967 494361.06, 3859401.99	4.16E-03	1.31E-06	3.82E-07	2.49E-04	7.87E-08	2.29E-08	4.20E-03	1.33E-06	3.86E-07	2.88E-04	9.09E-08	2.64E-08	4.22E-03	1.33E-06	3.88E-07	1.32E-04	4.17E-08	1.21E-08
1968 494411.06, 3859401.99	4.07E-03	1.28E-06	3.74E-07	2.47E-04	7.80E-08	2.27E-08	4.11E-03	1.30E-06	3.77E-07	2.85E-04	9.01E-08	2.62E-08	4.13E-03	1.30E-06	3.79E-07	1.31E-04	4.13E-08	1.20E-08
1969 494461.06, 3859401.99	4.00E-03	1.26E-06	3.67E-07	2.45E-04	7.74E-08	2.25E-08	4.04E-03	1.28E-06	3.71E-07	2.83E-04	8.94E-08	2.60E-08	4.06E-03	1.28E-06	3.73E-07	1.30E-04	4.10E-08	1.19E-08
1970 494511.06, 3859401.99	3.96E-03	1.25E-06	3.63E-07	2.44E-04	7.70E-08	2.24E-08	4.00E-03	1.26E-06	3.67E-07	2.82E-04	8.90E-08	2.59E-08	4.01E-03	1.27E-06	3.68E-07	1.29E-04	4.08E-08	1.19E-08
1971 494561.06, 3859401.99	3.90E-03	1.23E-06	3.58E-07	2.43E-04	7.66E-08	2.23E-08	3.94E-03	1.24E-06	3.62E-07	2.80E-04	8.84E-08	2.57E-08	3.95E-03	1.25E-06	3.63E-07	1.29E-04	4.06E-08	1.18E-08
1972 494611.06, 3859401.99	3.83E-03	1.21E-06	3.52E-07	2.41E-04	7.60E-08	2.21E-08	3.87E-03	1.22E-06	3.56E-07	2.78E-04	8.77E-08	2.55E-08	3.89E-03	1.23E-06	3.57E-07	1.28E-04	4.03E-08	1.17E-08
1973 494661.06, 3859401.99	3.79E-03	1.19E-06	3.48E-07	2.39E-04	7.55E-08	2.20E-08	3.83E-03	1.21E-06	3.51E-07	2.76E-04	8.72E-08	2.54E-08	3.84E-03	1.21E-06	3.52E-07	1.27E-04	4.00E-08	1.16E-08
1974 494711.06, 3859401.99	3.73E-03	1.18E-06	3.42E-07	2.37E-04	7.49E-08	2.18E-08	3.77E-03	1.19E-06	3.46E-07	2.74E-04	8.65E-08	2.52E-08	3.78E-03	1.19E-06	3.47E-07	1.26E-04	3.97E-08	1.16E-08
1975 494761.06, 3859401.99	3.63E-03	1.15E-06	3.33E-07	2.34E-04	7.40E-08	2.15E-08	3.67E-03	1.16E-06	3.37E-07	2.71E-04	8.55E-08	2.49E-08	3.67E-03	1.16E-06	3.37E-07	1.24E-04	3.92E-08	1.14E-08
1976 494811.06, 3859401.99	3.55E-03	1.12E-06	3.26E-07	2.31E-04	7.30E-08	2.12E-08	3.59E-03	1.13E-06	3.30E-07	2.67E-04	8.44E-08	2.45E-08	3.60E-03	1.14E-06	3.30E-07	1.23E-04	3.87E-08	1.13E-08

1977 494861.06, 3859401.99	3.46E-03	1.09E-06	3.18E-07	2.28E-04	7.19E-08	2.09E-08	3.50E-03	1.10E-06	3.21E-07	2.63E-04	8.31E-08	2.42E-08	3.50E-03	1.11E-06	3.21E-07	1.21E-04	3.81E-08	1.11E-08
1978 494911.06, 3859401.99	3.40E-03	1.07E-06	3.12E-07	2.26E-04	7.13E-08	2.07E-08	3.44E-03	1.08E-06	3.16E-07	2.61E-04	8.23E-08	2.39E-08	3.44E-03	1.08E-06	3.15E-07	1.20E-04	3.78E-08	1.10E-08
1979 494961.06, 3859401.99	3.37E-03	1.06E-06	3.09E-07	2.24E-04	7.08E-08	2.06E-08	3.41E-03	1.08E-06	3.13E-07	2.59E-04	8.17E-08	2.38E-08	3.41E-03	1.07E-06	3.13E-07	1.19E-04	3.75E-08	1.09E-08
1980 495011.06, 3859401.99	3.34E-03	1.05E-06	3.07E-07	2.23E-04	7.05E-08	2.05E-08	3.38E-03	1.07E-06	3.10E-07	2.58E-04	8.14E-08	2.37E-08	3.38E-03	1.07E-06	3.10E-07	1.18E-04	3.74E-08	1.09E-08
1981 495061.06, 3859401.99	3.32E-03	1.05E-06	3.05E-07	2.23E-04	7.04E-08	2.05E-08	3.36E-03	1.06E-06	3.08E-07	2.58E-04	8.13E-08	2.36E-08	3.36E-03	1.06E-06	3.08E-07	1.18E-04	3.73E-08	1.09E-08
1982 495111.06, 3859401.99	3.27E-03	1.03E-06	3.00E-07	2.21E-04	6.98E-08	2.03E-08	3.31E-03	1.04E-06	3.04E-07	2.55E-04	8.06E-08	2.34E-08	3.31E-03	1.04E-06	3.03E-07	1.17E-04	3.70E-08	1.08E-08
1983 495161.06, 3859401.99	3.26E-03	1.03E-06	2.99E-07	2.20E-04	6.95E-08	2.02E-08	3.29E-03	1.04E-06	3.02E-07	2.54E-04	8.02E-08	2.33E-08	3.29E-03	1.04E-06	3.02E-07	1.17E-04	3.68E-08	1.07E-08
1984 495211.06, 3859401.99	3.24E-03	1.02E-06	2.98E-07	2.20E-04	6.94E-08	2.02E-08	3.28E-03	1.04E-06	3.01E-07	2.54E-04	8.01E-08	2.33E-08	3.28E-03	1.03E-06	3.01E-07	1.17E-04	3.68E-08	1.07E-08
1985 495261.06, 3859401.99	3.22E-03	1.02E-06	2.95E-07	2.19E-04	6.91E-08	2.01E-08	3.26E-03	1.03E-06	2.99E-07	2.53E-04	7.98E-08	2.32E-08	3.25E-03	1.03E-06	2.98E-07	1.16E-04	3.66E-08	1.07E-08
1986 495311.06, 3859401.99	3.19E-03	1.01E-06	2.93E-07	2.18E-04	6.87E-08	2.00E-08	3.23E-03	1.02E-06	2.96E-07	2.51E-04	7.94E-08	2.31E-08	3.22E-03	1.02E-06	2.96E-07	1.15E-04	3.64E-08	1.06E-08
1987 495361.06, 3859401.99	3.18E-03	1.00E-06	2.92E-07	2.18E-04	6.87E-08	2.00E-08	3.22E-03	1.02E-06	2.96E-07	2.51E-04	7.93E-08	2.31E-08	3.21E-03	1.01E-06	2.95E-07	1.15E-04	3.64E-08	1.06E-08
1988 495411.06, 3859401.99	3.16E-03	9.98E-07	2.90E-07	2.17E-04	6.85E-08	1.99E-08	3.20E-03	1.01E-06	2.94E-07	2.51E-04	7.91E-08	2.30E-08	3.19E-03	1.01E-06	2.93E-07	1.15E-04	3.63E-08	1.06E-08
1989 495461.06, 3859401.99	3.13E-03	9.87E-07	2.87E-07	2.16E-04	6.80E-08	1.98E-08	3.16E-03	9.99E-07	2.91E-07	2.49E-04	7.86E-08	2.29E-08	3.16E-03	9.97E-07	2.90E-07	1.14E-04	3.61E-08	1.05E-08
1990 495511.06, 3859401.99	3.08E-03	9.72E-07	2.83E-07	2.14E-04	6.74E-08	1.96E-08	3.12E-03	9.84E-07	2.86E-07	2.47E-04	7.78E-08	2.26E-08	3.11E-03	9.81E-07	2.85E-07	1.13E-04	3.57E-08	1.04E-08
1991 495561.06, 3859401.99	3.03E-03	9.55E-07	2.78E-07	2.11E-04	6.66E-08	1.94E-08	3.06E-03	9.67E-07	2.81E-07	2.44E-04	7.70E-08	2.24E-08	3.05E-03	9.64E-07	2.80E-07	1.12E-04	3.53E-08	1.03E-08
1992 495611.06, 3859401.99	3.00E-03	9.45E-07	2.75E-07	2.10E-04	6.62E-08	1.93E-08	3.03E-03	9.57E-07	2.78E-07	2.42E-04	7.65E-08	2.22E-08	3.02E-03	9.53E-07	2.77E-07	1.11E-04	3.51E-08	1.02E-08
1993 495661.06, 3859401.99	2.97E-03	9.37E-07	2.73E-07	2.09E-04	6.59E-08	1.92E-08	3.00E-03	9.48E-07	2.76E-07	2.41E-04	7.61E-08	2.21E-08	2.99E-03	9.45E-07	2.75E-07	1.11E-04	3.49E-08	1.02E-08
1994 494311.06, 3859451.99	4.28E-03	1.35E-06	3.93E-07	2.48E-04	7.82E-08	2.28E-08	4.32E-03	1.36E-06	3.97E-07	2.86E-04	9.04E-08	2.63E-08	4.35E-03	1.37E-06	4.00E-07	1.31E-04	4.14E-08	1.21E-08
1995 494361.06, 3859451.99	4.20E-03	1.33E-06	3.86E-07	2.46E-04	7.77E-08	2.26E-08	4.24E-03	1.34E-06	3.90E-07	2.84E-04	8.97E-08	2.61E-08	4.27E-03	1.35E-06	3.92E-07	1.30E-04	4.12E-08	1.20E-08
1996 494411.06, 3859451.99	4.09E-03	1.29E-06	3.76E-07	2.44E-04	7.69E-08	2.24E-08	4.13E-03	1.30E-06	3.79E-07	2.82E-04	8.89E-08	2.59E-08	4.16E-03	1.31E-06	3.81E-07	1.29E-04	4.08E-08	1.19E-08
1997 494461.06, 3859451.99	4.05E-03	1.28E-06	3.72E-07	2.43E-04	7.66E-08	2.23E-08	4.09E-03	1.29E-06	3.76E-07	2.80E-04	8.85E-08	2.57E-08	4.11E-03	1.30E-06	3.78E-07	1.29E-04	4.06E-08	1.18E-08
1998 494511.06, 3859451.99	3.99E-03	1.26E-06	3.66E-07	2.41E-04	7.61E-08	2.21E-08	4.03E-03	1.27E-06	3.70E-07	2.79E-04	8.79E-08	2.56E-08	4.05E-03	1.28E-06	3.71E-07	1.28E-04	4.03E-08	1.17E-08
1999 494561.06, 3859451.99	3.93E-03	1.24E-06	3.61E-07	2.40E-04	7.57E-08	2.20E-08	3.97E-03	1.25E-06	3.65E-07	2.77E-04	8.74E-08	2.54E-08	3.99E-03	1.26E-06	3.66E-07	1.27E-04	4.01E-08	1.17E-08
2000 494611.06, 3859451.99	3.90E-03	1.23E-06	3.58E-07	2.39E-04	7.54E-08	2.19E-08	3.94E-03	1.24E-06	3.62E-07	2.76E-04	8.71E-08	2.53E-08	3.96E-03	1.25E-06	3.63E-07	1.27E-04	4.00E-08	1.16E-08
2001 494661.06, 3859451.99	3.83E-03	1.21E-06	3.52E-07	2.37E-04	7.48E-08	2.18E-08	3.87E-03	1.22E-06	3.55E-07	2.74E-04	8.64E-08	2.51E-08	3.88E-03	1.23E-06	3.57E-07	1.26E-04	3.97E-08	1.15E-08
2002 494711.06, 3859451.99	3.76E-03	1.19E-06	3.45E-07	2.35E-04	7.42E-08	2.16E-08	3.80E-03	1.20E-06	3.49E-07	2.72E-04	8.57E-08	2.49E-08	3.82E-03	1.20E-06	3.50E-07	1.25E-04	3.93E-08	1.14E-08
2003 494761.06, 3859451.99	3.71E-03	1.17E-06	3.40E-07	2.34E-04	7.37E-08	2.14E-08	3.75E-03	1.18E-06	3.44E-07	2.70E-04	8.51E-08	2.48E-08	3.76E-03	1.19E-06	3.45E-07	1.24E-04	3.91E-08	1.14E-08
2004 494811.06, 3859451.99	3.62E-03	1.14E-06	3.33E-07	2.31E-04	7.29E-08	2.12E-08	3.66E-03	1.16E-06	3.36E-07	2.67E-04	8.42E-08	2.45E-08	3.67E-03	1.16E-06	3.37E-07	1.22E-04	3.86E-08	1.12E-08
2005 494861.06, 3859451.99	3.56E-03	1.12E-06	3.26E-07	2.29E-04	7.22E-08	2.10E-08	3.59E-03	1.13E-06	3.30E-07	2.64E-04	8.34E-08	2.42E-08	3.60E-03	1.14E-06	3.30E-07	1.21E-04	3.83E-08	1.11E-08
2006 494911.06, 3859451.99	3.50E-03	1.11E-06	3.22E-07	2.27E-04	7.16E-08	2.08E-08	3.54E-03	1.12E-06	3.25E-07	2.62E-04	8.27E-08	2.41E-08	3.55E-03	1.12E-06	3.25E-07	1.20E-04	3.80E-08	1.10E-08
2007 494961.06, 3859451.99	3.47E-03	1.10E-06	3.19E-07	2.26E-04	7.13E-08	2.07E-08	3.51E-03	1.11E-06	3.22E-07	2.61E-04	8.23E-08	2.39E-08	3.51E-03	1.11E-06	3.22E-07	1.20E-04	3.78E-08	1.10E-08
2008 495011.06, 3859451.99	3.43E-03	1.08E-06	3.15E-07	2.24E-04	7.08E-08	2.06E-08	3.47E-03	1.09E-06	3.18E-07	2.59E-04	8.18E-08	2.38E-08	3.47E-03	1.10E-06	3.19E-07	1.19E-04	3.75E-08	1.09E-08
2009 495061.06, 3859451.99	3.39E-03	1.07E-06	3.11E-07	2.23E-04	7.04E-08	2.05E-08	3.43E-03	1.08E-06	3.15E-07	2.58E-04	8.13E-08	2.36E-08	3.43E-03	1.08E-06	3.15E-07	1.18E-04	3.73E-08	1.09E-08
2010 495111.06, 3859451.99	3.35E-03	1.06E-06	3.08E-07	2.22E-04	6.99E-08	2.03E-08	3.39E-03	1.07E-06	3.11E-07	2.56E-04	8.07E-08	2.35E-08	3.39E-03	1.07E-06	3.11E-07	1.17E-04	3.71E-08	1.08E-08
2011 495161.06, 3859451.99	3.33E-03	1.05E-06	3.06E-07	2.21E-04	6.97E-08	2.03E-08	3.37E-03	1.06E-06	3.09E-07	2.55E-04	8.05E-08	2.34E-08	3.37E-03	1.06E-06	3.09E-07	1.17E-04	3.70E-08	1.07E-08
2012 495211.06, 3859451.99	3.31E-03	1.05E-06	3.04E-07	2.20E-04	6.95E-08	2.02E-08	3.35E-03	1.06E-06	3.08E-07	2.54E-04	8.03E-08	2.34E-08	3.35E-03	1.06E-06	3.08E-07	1.17E-04	3.69E-08	1.07E-08
2013 495261.06, 3859451.99	3.30E-03	1.04E-06	3.03E-07	2.20E-04	6.94E-08	2.02E-08	3.33E-03	1.05E-06	3.06E-07	2.54E-04	8.01E-08	2.33E-08	3.33E-03	1.05E-06	3.06E-07	1.17E-04	3.68E-08	1.07E-08
2014 495311.06, 3859451.99	3.27E-03	1.03E-06	3.00E-07	2.19E-04	6.90E-08	2.01E-08	3.30E-03	1.04E-06	3.03E-07	2.52E-04	7.97E-08	2.32E-08	3.30E-03	1.04E-06	3.03E-07	1.16E-04	3.66E-08	1.06E-08
2015 495361.06, 3859451.99	3.24E-03	1.02E-06	2.97E-07	2.18E-04	6.87E-08	2.00E-08	3.28E-03	1.03E-06	3.01E-07	2.51E-04	7.94E-08	2.31E-08	3.27E-03	1.03E-06	3.01E-07	1.15E-04	3.64E-08	1.06E-08
2016 495411.06, 3859451.99	3.21E-03	1.01E-06	2.94E-07	2.17E-04	6.83E-08	1.99E-08	3.24E-03	1.02E-06	2.98E-07	2.50E-04	7.89E-08	2.30E-08	3.24E-03	1.02E-06	2.98E-07	1.15E-04	3.62E-08	1.05E-08
2017 495461.06, 3859451.99	3.18E-03	1.00E-06	2.92E-07	2.16E-04	6.80E-08	1.98E-08	3.22E-03	1.02E-06	2.95E-07	2.49E-04	7.86E-08	2.29E-08	3.21E-03	1.01E-06	2.95E-07	1.14E-04	3.61E-08	1.05E-08
2018 495511.06, 3859451.99	3.13E-03	9.87E-07	2.87E-07	2.13E-04	6.73E-08	1.96E-08	3.16E-03	9.98E-07	2.90E-07	2.46E-04	7.78E-08	2.26E-08	3.16E-03	9.96E-07	2.90E-07	1.13E-04	3.57E-08	1.04E-08
2019 495561.06, 3859451.99	3.09E-03	9.75E-07	2.84E-07	2.12E-04	6.69E-08	1.95E-08	3.13E-03	9.87E-07	2.87E-07	2.45E-04	7.72E-08	2.25E-08	3.12E-03	9.85E-07	2.86E-07	1.12E-04	3.55E-08	1.03E-08
2020 495611.06, 3859451.99	3.06E-03	9.65E-07	2.81E-07	2.11E-04	6.65E-08	1.93E-08	3.09E-03	9.76E-07	2.84E-07	2.43E-04	7.67E-08	2.23E-08	3.08E-03	9.74E-07	2.83E-07	1.12E-04	3.52E-08	1.02E-08
2021 495661.06, 3859451.99	3.02E-03	9.55E-07	2.78E-07	2.09E-04	6.61E-08	1.92E-08	3.06E-03	9.66E-07	2.81E-07	2.42E-04	7.63E-08	2.22E-08	3.05E-03	9.63E-07	2.80E-07	1.11E-04	3.50E-08	1.02E-08
2022 494311.06, 3859501.99	4.33E-03	1.37E-06	3.97E-07	2.45E-04	7.72E-08	2.25E-08	4.37E-03	1.38E-06	4.01E-07	2.83E-04	8.92E-08	2.59E-08	4.41E-03	1.39E-06	4.04E-07	1.30E-04	4.09E-08	1.19E-08
2023 494361.06, 3859501.99	4.25E-03	1.34E-06	3.90E-07	2.43E-04	7.67E-08	2.23E-08	4.29E-03	1.35E-06	3.94E-07	2.81E-04	8.86E-08	2.58E-08	4.32E-03	1.36E-06	3.97E-07	1.29E-04	4.06E-08	1.18E-08
2024 494411.06, 3859501.99	4.11E-03	1.30E-06	3.78E-07	2.40E-04	7.59E-08	2.21E-08	4.15E-03	1.31E-06	3.81E-07	2.78E-04	8.77E-08	2.55E-08	4.18E-03	1.32E-06	3.84E-07	1.27E-04	4.02E-08	1.17E-08
2025 494461.06, 3859501.99	4.10E-03	1.30E-06	3.77E-07	2.40E-04	7.58E-08	2.20E-08	4.15E-03	1.31E-06	3.81E-07	2.77E-04	8.76E-08	2.55E-08	4.17E-03	1.32E-06	3.83E-07	1.27E-04	4.01E-08	1.17E-08
2026 494511.06, 3859501.99	4.03E-03	1.27E-06	3.70E-07	2.39E-04	7.53E-08	2.19E-08	4.07E-03	1.28E-06	3.74E-07	2.76E-04	8.70E-08	2.53E-08	4.10E-03	1.29E-06	3.76E-07	1.26E-04	3.99E-08	1.16E-08
2027 494561.06, 3859501.99	3.97E-03	1.25E-06	3.64E-07	2.37E-04	7.48E-08	2.18E-08	4.01E-03	1.27E-06	3.68E-07	2.74E-04	8.64E-08	2.51E-08	4.03E-03	1.27E-06	3.70E-07	1.26E-04	3.96E-08	1.15E-08
2028 494611.06, 3859501.99	3.96E-03	1.25E-06	3.64E-07	2.37E-04	7.48E-08	2.18E-08	4.00E-03	1.26E-06	3.68E-07	2.74E-04	8.64E-08	2.51E-08	4.03E-03	1.27E-06	3.70E-07	1.26E-04	3.96E-08	1.15E-08
2029 494661.06, 3859501.99	3.89E-03	1.23E-06	3.57E-07	2.35E-04	7.42E-08	2.16E-08	3.93E-03	1.24E-06	3.60E-07	2.71E-04	8.57E-08	2.49E-08	3.94E-03	1.24E-06	3.62E-07	1.25E-04	3.93E-08	1.14E-08
2030 494711.06, 3859501.99	3.79E-03	1.20E-06	3.48E-07	2.33E-04	7.35E-08	2.14E-08	3.83E-03	1.21E-06	3.52E-07	2.69E-04	8.49E-08	2.47E-08	3.85E-03	1.22E-06	3.53E-07	1.23E-04	3.89E-08	1.13E-08
2031 494761.06, 3859501.99	3.77E-03	1.19E-06	3.46E-07	2.32E-04	7.33E-08	2.13E-08	3.81E-03	1.20E-06	3.50E-07	2.68E-04	8.46E-08	2.46E-08	3.83E-03	1.21E-06	3.51E-07	1.23E-04	3.88E-08	1.13E-08
2032 494811.06, 3859501.99	3.66E-03	1.16E-06	3.36E-07	2.29E-04	7.23E-08	2.10E-08	3.70E-03	1.17E-06	3.40E-07	2.65E-04	8.35E-08	2.43E-08	3.71E-03	1.17E-06	3.41E-07	1.21E-04	3.83E-08	1.11E-08
2033 494861.06, 3859501.99	3.61E-03	1.14E-06	3.32E-07	2.28E-04	7.19E-08	2.09E-08	3.65E-03	1.15E-06	3.35E-07	2.63E-04	8.30E-08	2.41E-08	3.66E-03	1.16E-06	3.36E-07	1.21E-04	3.81E-08	1.11E-08
2034 494911.06, 3859501.99	3.58E-03	1.13E-06	3.29E-07	2.27E-04	7.16E-08	2.08E-08	3.62E-03	1.14E-06	3.32E-07	2.62E-04	8.26E-08	2.40E-08	3.63E-03	1.15E-06	3.33E-07	1.20E-04	3.79E-08	1.10E-08
2035 494961.06, 3859501.99	3.52E-03	1.11E-06	3.23E-07	2.25E-04	7.10E-08	2.06E-08	3.56E-03	1.12E-06	3.27E-07	2.60E-04	8.20E-08	2.38E-08	3.57E-03	1.13E-06	3.28E-07	1.19E-04	3.76E-08	1.09E-08
2036 495011.06, 3859501.99	3.49E-03	1.10E-06	3.21E-07	2.24E-04	7.07E-08	2.06E-08	3.53E-03	1.11E-06	3.24E-07	2.59E-04	8.17E-08	2.38E-08	3.54E-03	1.12E-06	3.25E-07	1.19E-04	3.75E-08	1.09E-08
2037 495061.06, 3859501.99	3.47E-03	1.09E-06	3.18E-07	2.23E-04	7.04E-08	2.05E-08	3.50E-03	1.11E-06	3.22E-07	2.58E-04	8.13E-08	2.37E-08	3.51E-03	1.11E-06	3.22E-07	1.18E-04	3.73E-08	1.09E-08
2038 495111.06, 3859501.99	3.41E-03	1.08E-06	3.13E-07	2.21E-04	6.99E-08	2.03E-08	3.45E-03	1.09E-06	3.17E-07	2.56E-04	8.07E-08	2.35E-08	3.45E-03	1.09E-06	3.17E-07	1.17E-04	3.70E-08	1.08E-08
2039 495161.06, 3859501.99	3.39E-03	1.07E-06	3.11E-07	2.21E-04	6.96E-08	2.02E-08	3.42E-03	1.08E-06	3.14E-07	2.55E-04	8.04E-08	2.34E-08	3.43E-03	1.08E-06	3.15E-07	1.17E-04	3.69E-08	1.07E-08
2040 495211.06, 3859501.99	3.37E-03	1.06E-06	3.10E-07	2.20E-04	6.95E-08	2.02E-08	3.41E-03	1.08E-06	3.13E-07	2.54E-04	8.02E-08	2.33E-08	3.41E-03	1.08E-06	3.13E-07	1.17E-04	3.68E-08	1.07E-08
2041 495261.06, 3859501.99	3.35E-03	1.06E-06	3.07E-07	2.19E-04	6.92E-08	2.01E-08	3.38E-03	1.07E-06	3.11E-07	2.53E-04	7.99E-08	2.32E-08	3.39E-03	1.07E-06	3.11E-07	1.16E-04	3.67E-08	1.07E-08
2042 495311.06, 3859501.99	3.33E-03	1.05E-06	3.05E-07	2.19E-04	6.90E-08	2.01E-08	3.36E-03	1.06E-06	3.09E-07	2.52E-04	7.97E-08	2.32E-08	3.37E-03	1.06E-06	3.09E-07	1.16E-04	3.66E-08	1.06E-08

2043	495361.06, 3859501.99	3.30E-03	1.04E-06	3.03E-07	2.18E-04	6.87E-08	2.00E-08	3.33E-03	1.05E-06	3.06E-07	2.51E-04	7.93E-08	2.31E-08	3.34E-03	1.05E-06	3.06E-07	1.15E-04	3.64E-08	1.06E-08
2044	495411.06, 3859501.99	3.27E-03	1.03E-06	3.00E-07	2.17E-04	6.83E-08	1.99E-08	3.31E-03	1.04E-06	3.04E-07	2.50E-04	7.89E-08	2.30E-08	3.31E-03	1.04E-06	3.04E-07	1.15E-04	3.62E-08	1.05E-08
2045	495461.06, 3859501.99	3.24E-03	1.02E-06	2.97E-07	2.15E-04	6.80E-08	1.98E-08	3.27E-03	1.03E-06	3.01E-07	2.49E-04	7.85E-08	2.28E-08	3.27E-03	1.03E-06	3.00E-07	1.14E-04	3.60E-08	1.05E-08
2046	495511.06, 3859501.99	3.17E-03	1.00E-06	2.91E-07	2.13E-04	6.73E-08	1.96E-08	3.20E-03	1.01E-06	2.94E-07	2.46E-04	7.77E-08	2.26E-08	3.20E-03	1.01E-06	2.94E-07	1.13E-04	3.56E-08	1.04E-08
2047	495561.06, 3859501.99	3.15E-03	9.95E-07	2.89E-07	2.12E-04	6.70E-08	1.95E-08	3.19E-03	1.01E-06	2.93E-07	2.45E-04	7.74E-08	2.25E-08	3.19E-03	1.01E-06	2.92E-07	1.12E-04	3.55E-08	1.03E-08
2048	495611.06, 3859501.99	3.11E-03	9.83E-07	2.86E-07	2.11E-04	6.65E-08	1.94E-08	3.15E-03	9.94E-07	2.89E-07	2.43E-04	7.68E-08	2.24E-08	3.15E-03	9.93E-07	2.89E-07	1.12E-04	3.53E-08	1.03E-08
2049	495661.06, 3859501.99	3.07E-03	9.70E-07	2.82E-07	2.09E-04	6.60E-08	1.92E-08	3.11E-03	9.81E-07	2.85E-07	2.42E-04	7.63E-08	2.22E-08	3.10E-03	9.80E-07	2.85E-07	1.11E-04	3.50E-08	1.02E-08
2050	494311.06, 3859551.99	4.36E-03	1.38E-06	4.01E-07	2.41E-04	7.61E-08	2.21E-08	4.41E-03	1.39E-06	4.04E-07	2.79E-04	8.80E-08	2.56E-08	4.45E-03	1.40E-06	4.08E-07	1.28E-04	4.03E-08	1.17E-08
2051	494361.06, 3859551.99	4.27E-03	1.35E-06	3.92E-07	2.40E-04	7.57E-08	2.20E-08	4.31E-03	1.36E-06	3.96E-07	2.77E-04	8.74E-08	2.54E-08	4.35E-03	1.37E-06	3.99E-07	1.27E-04	4.01E-08	1.17E-08
2052	494411.06, 3859551.99	4.13E-03	1.30E-06	3.79E-07	2.37E-04	7.49E-08	2.18E-08	4.17E-03	1.32E-06	3.83E-07	2.74E-04	8.65E-08	2.52E-08	4.20E-03	1.33E-06	3.86E-07	1.26E-04	3.97E-08	1.15E-08
2053	494461.06, 3859551.99	4.14E-03	1.31E-06	3.80E-07	2.37E-04	7.48E-08	2.18E-08	4.18E-03	1.32E-06	3.84E-07	2.74E-04	8.64E-08	2.51E-08	4.22E-03	1.33E-06	3.87E-07	1.26E-04	3.96E-08	1.15E-08
2054	494511.06, 3859551.99	4.07E-03	1.29E-06	3.74E-07	2.36E-04	7.44E-08	2.16E-08	4.11E-03	1.30E-06	3.77E-07	2.72E-04	8.59E-08	2.50E-08	4.14E-03	1.31E-06	3.80E-07	1.25E-04	3.94E-08	1.15E-08
2055	494561.06, 3859551.99	4.02E-03	1.27E-06	3.69E-07	2.35E-04	7.40E-08	2.15E-08	4.06E-03	1.28E-06	3.72E-07	2.71E-04	8.55E-08	2.49E-08	4.08E-03	1.29E-06	3.75E-07	1.24E-04	3.92E-08	1.14E-08
2056	494611.06, 3859551.99	3.98E-03	1.26E-06	3.66E-07	2.34E-04	7.38E-08	2.15E-08	4.02E-03	1.27E-06	3.69E-07	2.70E-04	8.52E-08	2.48E-08	4.05E-03	1.28E-06	3.72E-07	1.24E-04	3.91E-08	1.14E-08
2057	494661.06, 3859551.99	3.94E-03	1.24E-06	3.61E-07	2.33E-04	7.34E-08	2.14E-08	3.98E-03	1.26E-06	3.65E-07	2.69E-04	8.48E-08	2.47E-08	4.00E-03	1.26E-06	3.67E-07	1.23E-04	3.89E-08	1.13E-08
2058	494711.06, 3859551.99	3.80E-03	1.20E-06	3.49E-07	2.30E-04	7.25E-08	2.11E-08	3.84E-03	1.21E-06	3.53E-07	2.65E-04	8.37E-08	2.44E-08	3.86E-03	1.22E-06	3.54E-07	1.22E-04	3.84E-08	1.12E-08
2059	494761.06, 3859551.99	3.82E-03	1.21E-06	3.51E-07	2.30E-04	7.26E-08	2.11E-08	3.86E-03	1.22E-06	3.54E-07	2.66E-04	8.38E-08	2.44E-08	3.88E-03	1.22E-06	3.56E-07	1.22E-04	3.84E-08	1.12E-08
2060	494811.06, 3859551.99	3.72E-03	1.18E-06	3.42E-07	2.28E-04	7.19E-08	2.09E-08	3.76E-03	1.19E-06	3.45E-07	2.63E-04	8.30E-08	2.41E-08	3.78E-03	1.19E-06	3.47E-07	1.21E-04	3.81E-08	1.11E-08
2061	494861.06, 3859551.99	3.68E-03	1.16E-06	3.38E-07	2.26E-04	7.15E-08	2.08E-08	3.72E-03	1.17E-06	3.41E-07	2.62E-04	8.26E-08	2.40E-08	3.73E-03	1.18E-06	3.43E-07	1.20E-04	3.79E-08	1.10E-08
2062	494911.06, 3859551.99	3.62E-03	1.14E-06	3.33E-07	2.25E-04	7.10E-08	2.07E-08	3.66E-03	1.16E-06	3.36E-07	2.60E-04	8.20E-08	2.39E-08	3.67E-03	1.16E-06	3.37E-07	1.19E-04	3.76E-08	1.09E-08
2063	494961.06, 3859551.99	3.59E-03	1.13E-06	3.30E-07	2.24E-04	7.08E-08	2.06E-08	3.63E-03	1.15E-06	3.33E-07	2.59E-04	8.17E-08	2.38E-08	3.64E-03	1.15E-06	3.35E-07	1.19E-04	3.75E-08	1.09E-08
2064	495011.06, 3859551.99	3.57E-03	1.13E-06	3.28E-07	2.24E-04	7.05E-08	2.05E-08	3.61E-03	1.14E-06	3.31E-07	2.58E-04	8.15E-08	2.37E-08	3.62E-03	1.14E-06	3.32E-07	1.18E-04	3.74E-08	1.09E-08
2065	495061.06, 3859551.99	3.53E-03	1.11E-06	3.24E-07	2.22E-04	7.02E-08	2.04E-08	3.57E-03	1.13E-06	3.28E-07	2.57E-04	8.10E-08	2.36E-08	3.58E-03	1.13E-06	3.28E-07	1.18E-04	3.72E-08	1.08E-08
2066	495111.06, 3859551.99	3.48E-03	1.10E-06	3.19E-07	2.21E-04	6.97E-08	2.03E-08	3.52E-03	1.11E-06	3.23E-07	2.55E-04	8.05E-08	2.34E-08	3.53E-03	1.11E-06	3.24E-07	1.17E-04	3.69E-08	1.07E-08
2067	495161.06, 3859551.99	3.46E-03	1.09E-06	3.18E-07	2.20E-04	6.95E-08	2.02E-08	3.50E-03	1.10E-06	3.21E-07	2.54E-04	8.03E-08	2.33E-08	3.50E-03	1.11E-06	3.22E-07	1.17E-04	3.68E-08	1.07E-08
2068	495211.06, 3859551.99	3.44E-03	1.09E-06	3.16E-07	2.20E-04	6.94E-08	2.02E-08	3.48E-03	1.10E-06	3.20E-07	2.54E-04	8.01E-08	2.33E-08	3.49E-03	1.10E-06	3.20E-07	1.16E-04	3.67E-08	1.07E-08
2069	495261.06, 3859551.99	3.40E-03	1.07E-06	3.12E-07	2.18E-04	6.90E-08	2.01E-08	3.44E-03	1.09E-06	3.16E-07	2.52E-04	7.96E-08	2.32E-08	3.45E-03	1.09E-06	3.16E-07	1.16E-04	3.65E-08	1.06E-08
2070	495311.06, 3859551.99	3.37E-03	1.06E-06	3.10E-07	2.17E-04	6.86E-08	2.00E-08	3.41E-03	1.08E-06	3.13E-07	2.51E-04	7.93E-08	2.31E-08	3.41E-03	1.08E-06	3.13E-07	1.15E-04	3.64E-08	1.06E-08
2071	495361.06, 3859551.99	3.35E-03	1.06E-06	3.07E-07	2.17E-04	6.84E-08	1.99E-08	3.38E-03	1.07E-06	3.11E-07	2.50E-04	7.90E-08	2.30E-08	3.39E-03	1.07E-06	3.11E-07	1.15E-04	3.62E-08	1.05E-08
2072	495411.06, 3859551.99	3.33E-03	1.05E-06	3.05E-07	2.16E-04	6.82E-08	1.98E-08	3.36E-03	1.06E-06	3.09E-07	2.49E-04	7.87E-08	2.29E-08	3.37E-03	1.06E-06	3.09E-07	1.14E-04	3.61E-08	1.05E-08
2073	495461.06, 3859551.99	3.28E-03	1.03E-06	3.01E-07	2.14E-04	6.76E-08	1.97E-08	3.31E-03	1.05E-06	3.04E-07	2.48E-04	7.81E-08	2.27E-08	3.32E-03	1.05E-06	3.04E-07	1.14E-04	3.58E-08	1.04E-08
2074	495511.06, 3859551.99	3.23E-03	1.02E-06	2.96E-07	2.13E-04	6.71E-08	1.95E-08	3.26E-03	1.03E-06	2.99E-07	2.45E-04	7.75E-08	2.25E-08	3.26E-03	1.03E-06	3.00E-07	1.13E-04	3.55E-08	1.03E-08
2075	495561.06, 3859551.99	3.19E-03	1.01E-06	2.93E-07	2.11E-04	6.67E-08	1.94E-08	3.23E-03	1.02E-06	2.97E-07	2.44E-04	7.71E-08	2.24E-08	3.23E-03	1.02E-06	2.97E-07	1.12E-04	3.54E-08	1.03E-08
2076	495611.06, 3859551.99	3.16E-03	9.98E-07	2.90E-07	2.10E-04	6.64E-08	1.93E-08	3.20E-03	1.01E-06	2.94E-07	2.43E-04	7.67E-08	2.23E-08	3.20E-03	1.01E-06	2.94E-07	1.11E-04	3.52E-08	1.02E-08
2077	495661.06, 3859551.99	3.12E-03	9.85E-07	2.87E-07	2.09E-04	6.59E-08	1.92E-08	3.16E-03	9.97E-07	2.90E-07	2.41E-04	7.61E-08	2.21E-08	3.16E-03	9.96E-07	2.90E-07	1.11E-04	3.49E-08	1.02E-08
2078	494311.06, 3859601.99	4.41E-03	1.39E-06	4.05E-07	2.38E-04	7.51E-08	2.19E-08	4.45E-03	1.41E-06	4.09E-07	2.75E-04	8.68E-08	2.52E-08	4.50E-03	1.42E-06	4.13E-07	1.26E-04	3.97E-08	1.16E-08
2079	494361.06, 3859601.99	4.26E-03	1.35E-06	3.91E-07	2.36E-04	7.44E-08	2.17E-08	4.30E-03	1.36E-06	3.95E-07	2.72E-04	8.60E-08	2.50E-08	4.34E-03	1.37E-06	3.99E-07	1.25E-04	3.94E-08	1.15E-08
2080	494411.06, 3859601.99	4.18E-03	1.32E-06	3.84E-07	2.34E-04	7.39E-08	2.15E-08	4.22E-03	1.33E-06	3.87E-07	2.71E-04	8.54E-08	2.48E-08	4.26E-03	1.34E-06	3.91E-07	1.24E-04	3.91E-08	1.14E-08
2081	494461.06, 3859601.99	4.18E-03	1.32E-06	3.84E-07	2.34E-04	7.39E-08	2.15E-08	4.22E-03	1.33E-06	3.87E-07	2.70E-04	8.53E-08	2.48E-08	4.26E-03	1.34E-06	3.91E-07	1.24E-04	3.91E-08	1.14E-08
2082	494511.06, 3859601.99	4.08E-03	1.29E-06	3.75E-07	2.32E-04	7.33E-08	2.13E-08	4.12E-03	1.30E-06	3.79E-07	2.68E-04	8.47E-08	2.46E-08	4.16E-03	1.31E-06	3.82E-07	1.23E-04	3.88E-08	1.13E-08
2083	494561.06, 3859601.99	4.07E-03	1.29E-06	3.74E-07	2.32E-04	7.32E-08	2.13E-08	4.11E-03	1.30E-06	3.78E-07	2.68E-04	8.46E-08	2.46E-08	4.15E-03	1.31E-06	3.81E-07	1.23E-04	3.87E-08	1.13E-08
2084	494611.06, 3859601.99	4.04E-03	1.28E-06	3.71E-07	2.31E-04	7.30E-08	2.12E-08	4.08E-03	1.29E-06	3.75E-07	2.67E-04	8.43E-08	2.45E-08	4.12E-03	1.30E-06	3.78E-07	1.22E-04	3.86E-08	1.12E-08
2085	494661.06, 3859601.99	3.94E-03	1.24E-06	3.62E-07	2.29E-04	7.24E-08	2.11E-08	3.98E-03	1.26E-06	3.65E-07	2.65E-04	8.36E-08	2.43E-08	4.01E-03	1.26E-06	3.68E-07	1.21E-04	3.83E-08	1.12E-08
2086	494711.06, 3859601.99	3.85E-03	1.21E-06	3.53E-07	2.27E-04	7.18E-08	2.09E-08	3.89E-03	1.23E-06	3.57E-07	2.63E-04	8.29E-08	2.41E-08	3.91E-03	1.23E-06	3.59E-07	1.20E-04	3.80E-08	1.11E-08
2087	494761.06, 3859601.99	3.89E-03	1.23E-06	3.57E-07	2.28E-04	7.20E-08	2.09E-08	3.93E-03	1.24E-06	3.61E-07	2.63E-04	8.31E-08	2.42E-08	3.95E-03	1.25E-06	3.63E-07	1.21E-04	3.81E-08	1.11E-08
2088	494811.06, 3859601.99	3.79E-03	1.20E-06	3.48E-07	2.26E-04	7.13E-08	2.07E-08	3.83E-03	1.21E-06	3.51E-07	2.61E-04	8.24E-08	2.40E-08	3.85E-03	1.21E-06	3.53E-07	1.20E-04	3.78E-08	1.10E-08
2089	494861.06, 3859601.99	3.75E-03	1.18E-06	3.44E-07	2.25E-04	7.10E-08	2.07E-08	3.79E-03	1.19E-06	3.47E-07	2.60E-04	8.20E-08	2.39E-08	3.81E-03	1.20E-06	3.49E-07	1.19E-04	3.76E-08	1.09E-08
2090	494911.06, 3859601.99	3.67E-03	1.16E-06	3.37E-07	2.23E-04	7.05E-08	2.05E-08	3.71E-03	1.17E-06	3.41E-07	2.58E-04	8.14E-08	2.37E-08	3.73E-03	1.18E-06	3.42E-07	1.18E-04	3.73E-08	1.09E-08
2091	494961.06, 3859601.99	3.68E-03	1.16E-06	3.38E-07	2.23E-04	7.05E-08	2.05E-08	3.72E-03	1.17E-06	3.41E-07	2.58E-04	8.14E-08	2.37E-08	3.73E-03	1.18E-06	3.43E-07	1.18E-04	3.73E-08	1.09E-08
2092	495011.06, 3859601.99	3.60E-03	1.14E-06	3.31E-07	2.21E-04	6.99E-08	2.03E-08	3.64E-03	1.15E-06	3.34E-07	2.56E-04	8.07E-08	2.35E-08	3.65E-03	1.15E-06	3.36E-07	1.17E-04	3.70E-08	1.08E-08
2093	495061.06, 3859601.99	3.59E-03	1.13E-06	3.30E-07	2.21E-04	6.98E-08	2.03E-08	3.63E-03	1.14E-06	3.33E-07	2.55E-04	8.06E-08	2.34E-08	3.64E-03	1.15E-06	3.34E-07	1.17E-04	3.69E-08	1.07E-08
2094	495111.06, 3859601.99	3.54E-03	1.12E-06	3.25E-07	2.20E-04	6.93E-08	2.02E-08	3.57E-03	1.13E-06	3.28E-07	2.54E-04	8.00E-08	2.33E-08	3.59E-03	1.13E-06	3.29E-07	1.16E-04	3.67E-08	1.07E-08
2095	495161.06, 3859601.99	3.52E-03	1.11E-06	3.23E-07	2.19E-04	6.91E-08	2.01E-08	3.55E-03	1.12E-06	3.26E-07	2.53E-04	7.98E-08	2.32E-08	3.57E-03	1.13E-06	3.27E-07	1.16E-04	3.66E-08	1.06E-08
2096	495211.06, 3859601.99	3.48E-03	1.10E-06	3.20E-07	2.18E-04	6.88E-08	2.00E-08	3.52E-03	1.11E-06	3.23E-07	2.52E-04	7.95E-08	2.31E-08	3.53E-03	1.12E-06	3.24E-07	1.16E-04	3.65E-08	1.06E-08
2097	495261.06, 3859601.99	3.46E-03	1.09E-06	3.18E-07	2.17E-04	6.86E-08	2.00E-08	3.50E-03	1.10E-06	3.21E-07	2.51E-04	7.92E-08	2.30E-08	3.51E-03	1.11E-06	3.22E-07	1.15E-04	3.63E-08	1.06E-08
2098	495311.06, 3859601.99	3.44E-03	1.09E-06	3.16E-07	2.17E-04	6.84E-08	1.99E-08	3.47E-03	1.10E-06	3.19E-07	2.50E-04	7.90E-08	2.30E-08	3.48E-03	1.10E-06	3.20E-07	1.15E-04	3.62E-08	1.05E-08
2099	495361.06, 3859601.99	3.40E-03	1.07E-06	3.13E-07	2.16E-04	6.81E-08	1.98E-08	3.44E-03	1.09E-06	3.16E-07	2.49E-04	7.86E-08	2.29E-08	3.45E-03	1.09E-06	3.17E-07	1.14E-04	3.61E-08	1.05E-08
2100	495411.06, 3859601.99	3.38E-03	1.07E-06	3.10E-07	2.15E-04	6.78E-08	1.97E-08	3.42E-03	1.08E-06	3.14E-07	2.48E-04	7.84E-08	2.28E-08	3.43E-03	1.08E-06	3.14E-07	1.14E-04	3.59E-08	1.05E-08
2101	495461.06, 3859601.99	3.32E-03	1.05E-06	3.05E-07	2.13E-04	6.73E-08	1.96E-08	3.36E-03	1.06E-06	3.08E-07	2.46E-04	7.77E-08	2.26E-08	3.36E-03	1.06E-06	3.09E-07	1.13E-04	3.56E-08	1.04E-08
2102	495511.06, 3859601.99	3.27E-03	1.03E-06	3.00E-07	2.12E-04	6.68E-08	1.94E-08	3.30E-03	1.04E-06	3.03E-07	2.44E-04	7.71E-08	2.24E-08	3.31E-03	1.04E-06	3.04E-07	1.12E-04	3.54E-08	1.03E-08
2103	495561.06, 3859601.99	3.25E-03	1.03E-06	2.99E-07	2.11E-04	6.66E-08	1.94E-08	3.29E-03	1.04E-06	3.02E-07	2.44E-04	7.69E-08	2.24E-08	3.29E-03	1.04E-06	3.02E-07	1.12E-04	3.53E-08	1.03E-08
2104	495611.06, 3859601.99	3.19E-03	1.01E-06	2.93E-07	2.09E-04	6.60E-08	1.92E-08	3.23E-03	1.02E-06	2.96E-07	2.41E-04	7.62E-08	2.22E-08	3.23E-03	1.02E-06	2.97E-07	1.11E-04	3.50E-08	1.02E-08
2105	495661.06, 3859601.99	3.17E-03	1.00E-06	2.91E-07	2.08E-04	6.57E-08	1.91E-08	3.21E-03	1.01E-06	2.94E-07	2.41E-04	7.59E-08	2.21E-08	3.21E-03	1.01E-06	2.94E-07	1.10E-04	3.48E-08	1.01E-08
2106	494311.06, 3859651.99	4.42E-03	1.39E-06	4.05E-07	2.34E-04	7.40E-08	2.15E-08	4.45E-03	1.41E-06	4.09E-07	2.71E-04	8.55E-08	2.49E-08	4.51E-03	1.42E-06	4.14E-07	1.24E-04	3.91E-08	1.14E-08
2107	494361.06, 3859651.99	4.28E-03	1.35E-06	3.93E-07	2.32E-04	7.33E-08	2.13E-08	4.32E-03	1.36E-06	3.96E-07	2.68E-04	8.47E-08	2.46E-08	4.36E-03	1.38E-06	4.01E-07	1.23E-04	3.88E-08	1.13E-08
2108	494411.06, 3859651.99	4.22E-03	1.33E-06	3.88E-07	2.31E-04	7.30E-08	2.12E-08	4.26E-03	1.35E-06	3.91E-07	2.67E-04	8.44E-08	2.45E-08	4.31E-03	1.36E-06	3.95E-07	1.22E-04	3.86E-08	1.12E-08

2109 494461.06, 3859651.99	4.22E-03	1.33E-06	3.88E-07	2.31E-04	7.29E-08	2.12E-08	4.26E-03	1.35E-06	3.91E-07	2.67E-04	8.42E-08	2.45E-08	4.31E-03	1.36E-06	3.95E-07	1.22E-04	3.86E-08	1.12E-08
2110 494511.06, 3859651.99	4.16E-03	1.31E-06	3.82E-07	2.30E-04	7.26E-08	2.11E-08	4.20E-03	1.33E-06	3.86E-07	2.66E-04	8.38E-08	2.44E-08	4.24E-03	1.34E-06	3.90E-07	1.22E-04	3.84E-08	1.12E-08
2111 494561.06, 3859651.99	4.13E-03	1.30E-06	3.79E-07	2.29E-04	7.23E-08	2.10E-08	4.17E-03	1.31E-06	3.82E-07	2.65E-04	8.35E-08	2.43E-08	4.20E-03	1.33E-06	3.86E-07	1.21E-04	3.83E-08	1.11E-08
2112 494611.06, 3859651.99	4.09E-03	1.29E-06	3.75E-07	2.28E-04	7.21E-08	2.10E-08	4.12E-03	1.30E-06	3.79E-07	2.64E-04	8.32E-08	2.42E-08	4.16E-03	1.31E-06	3.82E-07	1.21E-04	3.81E-08	1.11E-08
2113 494661.06, 3859651.99	3.97E-03	1.25E-06	3.64E-07	2.26E-04	7.15E-08	2.08E-08	4.01E-03	1.26E-06	3.68E-07	2.62E-04	8.26E-08	2.40E-08	4.04E-03	1.27E-06	3.71E-07	1.20E-04	3.78E-08	1.10E-08
2114 494711.06, 3859651.99	3.93E-03	1.24E-06	3.61E-07	2.26E-04	7.12E-08	2.07E-08	3.97E-03	1.25E-06	3.65E-07	2.61E-04	8.23E-08	2.39E-08	4.00E-03	1.26E-06	3.67E-07	1.19E-04	3.77E-08	1.10E-08
2115 494761.06, 3859651.99	3.91E-03	1.23E-06	3.59E-07	2.25E-04	7.10E-08	2.07E-08	3.95E-03	1.25E-06	3.62E-07	2.60E-04	8.20E-08	2.39E-08	3.98E-03	1.26E-06	3.65E-07	1.19E-04	3.76E-08	1.09E-08
2116 494811.06, 3859651.99	3.84E-03	1.21E-06	3.53E-07	2.24E-04	7.06E-08	2.05E-08	3.88E-03	1.22E-06	3.56E-07	2.58E-04	8.15E-08	2.37E-08	3.91E-03	1.23E-06	3.59E-07	1.18E-04	3.74E-08	1.09E-08
2117 494861.06, 3859651.99	3.81E-03	1.20E-06	3.50E-07	2.23E-04	7.04E-08	2.05E-08	3.85E-03	1.21E-06	3.53E-07	2.57E-04	8.13E-08	2.36E-08	3.87E-03	1.22E-06	3.56E-07	1.18E-04	3.72E-08	1.08E-08
2118 494911.06, 3859651.99	3.76E-03	1.19E-06	3.45E-07	2.22E-04	7.00E-08	2.04E-08	3.80E-03	1.20E-06	3.49E-07	2.56E-04	8.09E-08	2.35E-08	3.82E-03	1.21E-06	3.51E-07	1.17E-04	3.71E-08	1.08E-08
2119 494961.06, 3859651.99	3.72E-03	1.18E-06	3.42E-07	2.21E-04	6.98E-08	2.03E-08	3.76E-03	1.19E-06	3.45E-07	2.55E-04	8.06E-08	2.34E-08	3.79E-03	1.19E-06	3.47E-07	1.17E-04	3.69E-08	1.07E-08
2120 495011.06, 3859651.99	3.68E-03	1.16E-06	3.38E-07	2.20E-04	6.95E-08	2.02E-08	3.72E-03	1.17E-06	3.41E-07	2.54E-04	8.02E-08	2.33E-08	3.74E-03	1.18E-06	3.43E-07	1.17E-04	3.68E-08	1.07E-08
2121 495061.06, 3859651.99	3.65E-03	1.15E-06	3.35E-07	2.19E-04	6.92E-08	2.01E-08	3.69E-03	1.16E-06	3.39E-07	2.53E-04	8.00E-08	2.33E-08	3.71E-03	1.17E-06	3.41E-07	1.16E-04	3.67E-08	1.07E-08
2122 495111.06, 3859651.99	3.61E-03	1.14E-06	3.31E-07	2.18E-04	6.89E-08	2.00E-08	3.64E-03	1.15E-06	3.34E-07	2.52E-04	7.96E-08	2.31E-08	3.66E-03	1.16E-06	3.36E-07	1.16E-04	3.65E-08	1.06E-08
2123 495161.06, 3859651.99	3.57E-03	1.13E-06	3.28E-07	2.17E-04	6.86E-08	2.00E-08	3.61E-03	1.14E-06	3.31E-07	2.51E-04	7.93E-08	2.31E-08	3.63E-03	1.14E-06	3.33E-07	1.15E-04	3.63E-08	1.06E-08
2124 495211.06, 3859651.99	3.55E-03	1.12E-06	3.26E-07	2.17E-04	6.84E-08	1.99E-08	3.58E-03	1.13E-06	3.29E-07	2.50E-04	7.90E-08	2.30E-08	3.60E-03	1.14E-06	3.31E-07	1.15E-04	3.62E-08	1.05E-08
2125 495261.06, 3859651.99	3.51E-03	1.11E-06	3.22E-07	2.16E-04	6.81E-08	1.98E-08	3.55E-03	1.12E-06	3.26E-07	2.49E-04	7.87E-08	2.29E-08	3.56E-03	1.12E-06	3.27E-07	1.14E-04	3.61E-08	1.05E-08
2126 495311.06, 3859651.99	3.48E-03	1.10E-06	3.20E-07	2.15E-04	6.79E-08	1.97E-08	3.52E-03	1.11E-06	3.23E-07	2.48E-04	7.84E-08	2.28E-08	3.53E-03	1.12E-06	3.24E-07	1.14E-04	3.59E-08	1.05E-08
2127 495361.06, 3859651.99	3.46E-03	1.09E-06	3.17E-07	2.14E-04	6.76E-08	1.97E-08	3.49E-03	1.10E-06	3.21E-07	2.48E-04	7.81E-08	2.27E-08	3.51E-03	1.11E-06	3.22E-07	1.13E-04	3.58E-08	1.04E-08
2128 495411.06, 3859651.99	3.42E-03	1.08E-06	3.14E-07	2.13E-04	6.73E-08	1.96E-08	3.46E-03	1.09E-06	3.18E-07	2.46E-04	7.78E-08	2.26E-08	3.47E-03	1.10E-06	3.19E-07	1.13E-04	3.57E-08	1.04E-08
2129 495461.06, 3859651.99	3.37E-03	1.06E-06	3.09E-07	2.12E-04	6.69E-08	1.94E-08	3.40E-03	1.07E-06	3.12E-07	2.45E-04	7.72E-08	2.25E-08	3.41E-03	1.08E-06	3.13E-07	1.12E-04	3.54E-08	1.03E-08
2130 495511.06, 3859651.99	3.32E-03	1.05E-06	3.04E-07	2.10E-04	6.64E-08	1.93E-08	3.35E-03	1.06E-06	3.08E-07	2.43E-04	7.67E-08	2.23E-08	3.36E-03	1.06E-06	3.08E-07	1.11E-04	3.52E-08	1.02E-08
2131 495561.06, 3859651.99	3.29E-03	1.04E-06	3.02E-07	2.10E-04	6.62E-08	1.92E-08	3.33E-03	1.05E-06	3.05E-07	2.42E-04	7.64E-08	2.22E-08	3.33E-03	1.05E-06	3.06E-07	1.11E-04	3.50E-08	1.02E-08
2132 495611.06, 3859651.99	3.25E-03	1.03E-06	2.99E-07	2.09E-04	6.58E-08	1.91E-08	3.29E-03	1.04E-06	3.02E-07	2.41E-04	7.60E-08	2.21E-08	3.30E-03	1.04E-06	3.03E-07	1.10E-04	3.49E-08	1.01E-08
2133 495661.06, 3859651.99	3.21E-03	1.01E-06	2.95E-07	2.07E-04	6.54E-08	1.90E-08	3.25E-03	1.03E-06	2.98E-07	2.39E-04	7.56E-08	2.20E-08	3.25E-03	1.03E-06	2.99E-07	1.10E-04	3.46E-08	1.01E-08
2134 494311.06, 3859701.99	4.33E-03	1.37E-06	3.98E-07	2.30E-04	7.26E-08	2.11E-08	4.37E-03	1.38E-06	4.02E-07	2.66E-04	8.39E-08	2.44E-08	4.42E-03	1.40E-06	4.06E-07	1.22E-04	3.84E-08	1.12E-08
2135 494361.06, 3859701.99	4.27E-03	1.35E-06	3.92E-07	2.29E-04	7.22E-08	2.10E-08	4.31E-03	1.36E-06	3.96E-07	2.64E-04	8.34E-08	2.43E-08	4.36E-03	1.38E-06	4.00E-07	1.21E-04	3.82E-08	1.11E-08
2136 494411.06, 3859701.99	4.24E-03	1.34E-06	3.89E-07	2.28E-04	7.20E-08	2.09E-08	4.28E-03	1.35E-06	3.93E-07	2.64E-04	8.32E-08	2.42E-08	4.33E-03	1.37E-06	3.97E-07	1.21E-04	3.81E-08	1.11E-08
2137 494461.06, 3859701.99	4.26E-03	1.34E-06	3.91E-07	2.28E-04	7.19E-08	2.09E-08	4.30E-03	1.36E-06	3.95E-07	2.63E-04	8.31E-08	2.42E-08	4.35E-03	1.37E-06	3.99E-07	1.21E-04	3.81E-08	1.11E-08
2138 494511.06, 3859701.99	4.21E-03	1.33E-06	3.86E-07	2.27E-04	7.17E-08	2.08E-08	4.25E-03	1.34E-06	3.90E-07	2.62E-04	8.28E-08	2.41E-08	4.29E-03	1.36E-06	3.94E-07	1.20E-04	3.79E-08	1.10E-08
2139 494561.06, 3859701.99	4.17E-03	1.32E-06	3.83E-07	2.26E-04	7.14E-08	2.08E-08	4.21E-03	1.33E-06	3.87E-07	2.61E-04	8.25E-08	2.40E-08	4.26E-03	1.34E-06	3.91E-07	1.20E-04	3.78E-08	1.10E-08
2140 494611.06, 3859701.99	4.14E-03	1.31E-06	3.80E-07	2.25E-04	7.12E-08	2.07E-08	4.17E-03	1.32E-06	3.83E-07	2.60E-04	8.22E-08	2.39E-08	4.22E-03	1.33E-06	3.87E-07	1.19E-04	3.76E-08	1.09E-08
2141 494661.06, 3859701.99	4.01E-03	1.26E-06	3.68E-07	2.24E-04	7.06E-08	2.05E-08	4.05E-03	1.28E-06	3.71E-07	2.58E-04	8.15E-08	2.37E-08	4.08E-03	1.29E-06	3.75E-07	1.18E-04	3.73E-08	1.09E-08
2142 494711.06, 3859701.99	3.99E-03	1.26E-06	3.67E-07	2.23E-04	7.04E-08	2.05E-08	4.03E-03	1.27E-06	3.70E-07	2.58E-04	8.13E-08	2.37E-08	4.07E-03	1.28E-06	3.73E-07	1.18E-04	3.73E-08	1.08E-08
2143 494761.06, 3859701.99	3.93E-03	1.24E-06	3.61E-07	2.22E-04	7.01E-08	2.04E-08	3.97E-03	1.25E-06	3.65E-07	2.56E-04	8.09E-08	2.35E-08	4.01E-03	1.26E-06	3.68E-07	1.17E-04	3.71E-08	1.08E-08
2144 494811.06, 3859701.99	3.87E-03	1.22E-06	3.56E-07	2.21E-04	6.97E-08	2.03E-08	3.91E-03	1.23E-06	3.59E-07	2.55E-04	8.05E-08	2.34E-08	3.94E-03	1.24E-06	3.62E-07	1.17E-04	3.69E-08	1.07E-08
2145 494861.06, 3859701.99	3.87E-03	1.22E-06	3.55E-07	2.21E-04	6.96E-08	2.02E-08	3.90E-03	1.23E-06	3.58E-07	2.55E-04	8.04E-08	2.34E-08	3.94E-03	1.24E-06	3.61E-07	1.17E-04	3.68E-08	1.07E-08
2146 494911.06, 3859701.99	3.82E-03	1.20E-06	3.50E-07	2.20E-04	6.93E-08	2.02E-08	3.85E-03	1.22E-06	3.54E-07	2.54E-04	8.01E-08	2.33E-08	3.88E-03	1.23E-06	3.57E-07	1.16E-04	3.67E-08	1.07E-08
2147 494961.06, 3859701.99	3.77E-03	1.19E-06	3.46E-07	2.19E-04	6.90E-08	2.01E-08	3.81E-03	1.20E-06	3.50E-07	2.53E-04	7.97E-08	2.32E-08	3.83E-03	1.21E-06	3.52E-07	1.16E-04	3.65E-08	1.06E-08
2148 495011.06, 3859701.99	3.74E-03	1.18E-06	3.44E-07	2.18E-04	6.88E-08	2.00E-08	3.78E-03	1.19E-06	3.47E-07	2.52E-04	7.95E-08	2.31E-08	3.81E-03	1.20E-06	3.50E-07	1.15E-04	3.64E-08	1.06E-08
2149 495061.06, 3859701.99	3.71E-03	1.17E-06	3.40E-07	2.17E-04	6.86E-08	1.99E-08	3.74E-03	1.18E-06	3.44E-07	2.51E-04	7.92E-08	2.30E-08	3.77E-03	1.19E-06	3.46E-07	1.15E-04	3.63E-08	1.06E-08
2150 495111.06, 3859701.99	3.67E-03	1.16E-06	3.37E-07	2.16E-04	6.83E-08	1.99E-08	3.70E-03	1.17E-06	3.40E-07	2.50E-04	7.89E-08	2.29E-08	3.73E-03	1.18E-06	3.42E-07	1.15E-04	3.61E-08	1.05E-08
2151 495161.06, 3859701.99	3.62E-03	1.14E-06	3.33E-07	2.15E-04	6.80E-08	1.98E-08	3.66E-03	1.16E-06	3.36E-07	2.49E-04	7.85E-08	2.28E-08	3.68E-03	1.16E-06	3.38E-07	1.14E-04	3.60E-08	1.05E-08
2152 495211.06, 3859701.99	3.58E-03	1.13E-06	3.29E-07	2.14E-04	6.77E-08	1.97E-08	3.62E-03	1.14E-06	3.32E-07	2.48E-04	7.82E-08	2.27E-08	3.64E-03	1.15E-06	3.34E-07	1.13E-04	3.58E-08	1.04E-08
2153 495261.06, 3859701.99	3.57E-03	1.13E-06	3.28E-07	2.14E-04	6.76E-08	1.97E-08	3.60E-03	1.14E-06	3.31E-07	2.47E-04	7.80E-08	2.27E-08	3.62E-03	1.14E-06	3.33E-07	1.13E-04	3.58E-08	1.04E-08
2154 495311.06, 3859701.99	3.53E-03	1.11E-06	3.24E-07	2.13E-04	6.73E-08	1.96E-08	3.56E-03	1.12E-06	3.27E-07	2.46E-04	7.77E-08	2.26E-08	3.58E-03	1.13E-06	3.29E-07	1.13E-04	3.56E-08	1.04E-08
2155 495361.06, 3859701.99	3.49E-03	1.10E-06	3.20E-07	2.12E-04	6.70E-08	1.95E-08	3.53E-03	1.11E-06	3.24E-07	2.45E-04	7.74E-08	2.25E-08	3.54E-03	1.12E-06	3.25E-07	1.12E-04	3.55E-08	1.03E-08
2156 495411.06, 3859701.99	3.44E-03	1.09E-06	3.16E-07	2.11E-04	6.66E-08	1.94E-08	3.48E-03	1.10E-06	3.19E-07	2.44E-04	7.69E-08	2.24E-08	3.49E-03	1.10E-06	3.21E-07	1.12E-04	3.53E-08	1.03E-08
2157 495461.06, 3859701.99	3.40E-03	1.07E-06	3.12E-07	2.10E-04	6.63E-08	1.93E-08	3.44E-03	1.08E-06	3.16E-07	2.43E-04	7.66E-08	2.23E-08	3.45E-03	1.09E-06	3.17E-07	1.11E-04	3.51E-08	1.02E-08
2158 495511.06, 3859701.99	3.33E-03	1.05E-06	3.06E-07	2.08E-04	6.58E-08	1.91E-08	3.37E-03	1.06E-06	3.09E-07	2.41E-04	7.60E-08	2.21E-08	3.38E-03	1.07E-06	3.10E-07	1.10E-04	3.48E-08	1.01E-08
2159 495561.06, 3859701.99	3.33E-03	1.05E-06	3.06E-07	2.08E-04	6.57E-08	1.91E-08	3.37E-03	1.06E-06	3.09E-07	2.40E-04	7.59E-08	2.21E-08	3.38E-03	1.07E-06	3.10E-07	1.10E-04	3.48E-08	1.01E-08
2160 495611.06, 3859701.99	3.30E-03	1.04E-06	3.03E-07	2.07E-04	6.54E-08	1.90E-08	3.33E-03	1.05E-06	3.06E-07	2.39E-04	7.55E-08	2.20E-08	3.34E-03	1.05E-06	3.07E-07	1.10E-04	3.46E-08	1.01E-08
2161 495661.06, 3859701.99	3.26E-03	1.03E-06	2.99E-07	2.06E-04	6.50E-08	1.89E-08	3.29E-03	1.04E-06	3.02E-07	2.38E-04	7.51E-08	2.19E-08	3.30E-03	1.04E-06	3.03E-07	1.09E-04	3.44E-08	1.00E-08
2162 494311.06, 3859751.99	4.39E-03	1.39E-06	4.03E-07	2.27E-04	7.17E-08	2.09E-08	4.43E-03	1.40E-06	4.07E-07	2.63E-04	8.29E-08	2.41E-08	4.49E-03	1.42E-06	4.12E-07	1.20E-04	3.79E-08	1.10E-08
2163 494361.06, 3859751.99	4.34E-03	1.37E-06	3.98E-07	2.26E-04	7.14E-08	2.08E-08	4.38E-03	1.38E-06	4.02E-07	2.61E-04	8.25E-08	2.40E-08	4.43E-03	1.40E-06	4.07E-07	1.20E-04	3.78E-08	1.10E-08
2164 494411.06, 3859751.99	4.28E-03	1.35E-06	3.93E-07	2.25E-04	7.11E-08	2.07E-08	4.31E-03	1.36E-06	3.96E-07	2.60E-04	8.21E-08	2.39E-08	4.36E-03	1.38E-06	4.01E-07	1.19E-04	3.76E-08	1.09E-08
2165 494461.06, 3859751.99	4.28E-03	1.35E-06	3.93E-07	2.25E-04	7.09E-08	2.06E-08	4.32E-03	1.36E-06	3.96E-07	2.60E-04	8.20E-08	2.38E-08	4.37E-03	1.38E-06	4.01E-07	1.19E-04	3.75E-08	1.09E-08
2166 494511.06, 3859751.99	4.26E-03	1.34E-06	3.91E-07	2.24E-04	7.08E-08	2.06E-08	4.30E-03	1.36E-06	3.95E-07	2.59E-04	8.18E-08	2.38E-08	4.35E-03	1.37E-06	3.99E-07	1.19E-04	3.74E-08	1.09E-08
2167 494561.06, 3859751.99	4.21E-03	1.33E-06	3.87E-07	2.23E-04	7.05E-08	2.05E-08	4.25E-03	1.34E-06	3.90E-07	2.58E-04	8.14E-08	2.37E-08	4.30E-03	1.36E-06	3.95E-07	1.18E-04	3.73E-08	1.08E-08
2168 494611.06, 3859751.99	4.15E-03	1.31E-06	3.81E-07	2.22E-04	7.02E-08	2.04E-08	4.19E-03	1.32E-06	3.85E-07	2.57E-04	8.11E-08	2.36E-08	4.24E-03	1.34E-06	3.89E-07	1.18E-04	3.71E-08	1.08E-08
2169 494661.06, 3859751.99	4.05E-03	1.28E-06	3.72E-07	2.21E-04	6.97E-08	2.03E-08	4.09E-03	1.29E-06	3.76E-07	2.55E-04	8.06E-08	2.34E-08	4.13E-03	1.30E-06	3.79E-07	1.17E-04	3.69E-08	1.07E-08
2170 494711.06, 3859751.99	4.04E-03	1.28E-06	3.71E-07	2.20E-04	6.96E-08	2.02E-08	4.08E-03	1.29E-06	3.74E-07	2.55E-04	8.04E-08	2.34E-08	4.12E-03	1.30E-06	3.78E-07	1.17E-04	3.68E-08	1.07E-08
2171 494761.06, 3859751.99	4.01E-03	1.26E-06	3.68E-07	2.20E-04	6.93E-08	2.02E-08	4.05E-03	1.28E-06	3.71E-07	2.54E-04	8.01E-08	2.33E-08	4.09E-03	1.29E-06	3.75E-07	1.16E-04	3.67E-08	1.07E-08
2172 494811.06, 3859751.99	3.95E-03	1.25E-06	3.63E-07	2.19E-04	6.90E-08	2.01E-08	3.99E-03	1.26E-06	3.66E-07	2.53E-04	7.97E-08	2.32E-08	4.03E-03	1.27E-06	3.70E-07	1.16E-04	3.65E-08	1.06E-08
2173 494861.06, 3859751.99	3.92E-03	1.24E-06	3.60E-07	2.18E-04	6.88E-08	2.00E-08	3.95E-03	1.25E-06	3.63E-07	2.52E-04	7.95E-08	2.31E-08	3.99E-03	1.26E-06	3.66E-07	1.15E-04	3.64E-08	1.06E-08
2174 494911.06, 3859751.99	3.88E-03	1.22E-06	3.56E-07	2.17E-04	6.85E-08	1.99E-08	3.91E-03	1.24E-06	3.59E-07	2.51E-04	7.92E-08	2.30E-08	3.95E-03	1.25E-06	3.63E-07	1.15E-04	3.63E-08	1.05E-08

2175	494961.06, 3859751.99	3.84E-03	1.21E-06	3.52E-07	2.16E-04	6.83E-08	1.99E-08	3.88E-03	1.22E-06	3.56E-07	2.50E-04	7.89E-08	2.30E-08	3.91E-03	1.23E-06	3.59E-07	1.14E-04	3.61E-08	1.05E-08
2176	495011.06, 3859751.99	3.80E-03	1.20E-06	3.49E-07	2.16E-04	6.81E-08	1.98E-08	3.83E-03	1.21E-06	3.52E-07	2.49E-04	7.86E-08	2.29E-08	3.87E-03	1.22E-06	3.55E-07	1.14E-04	3.60E-08	1.05E-08
2177	495061.06, 3859751.99	3.77E-03	1.19E-06	3.46E-07	2.15E-04	6.79E-08	1.97E-08	3.81E-03	1.20E-06	3.49E-07	2.48E-04	7.84E-08	2.28E-08	3.84E-03	1.21E-06	3.52E-07	1.14E-04	3.59E-08	1.04E-08
2178	495111.06, 3859751.99	3.73E-03	1.18E-06	3.42E-07	2.14E-04	6.76E-08	1.97E-08	3.77E-03	1.19E-06	3.46E-07	2.47E-04	7.81E-08	2.27E-08	3.79E-03	1.20E-06	3.48E-07	1.13E-04	3.58E-08	1.04E-08
2179	495161.06, 3859751.99	3.69E-03	1.16E-06	3.38E-07	2.13E-04	6.73E-08	1.96E-08	3.72E-03	1.17E-06	3.42E-07	2.46E-04	7.78E-08	2.26E-08	3.75E-03	1.18E-06	3.44E-07	1.13E-04	3.56E-08	1.04E-08
2180	495211.06, 3859751.99	3.64E-03	1.15E-06	3.34E-07	2.12E-04	6.71E-08	1.95E-08	3.68E-03	1.16E-06	3.37E-07	2.45E-04	7.75E-08	2.25E-08	3.70E-03	1.17E-06	3.40E-07	1.12E-04	3.55E-08	1.03E-08
2181	495261.06, 3859751.99	3.61E-03	1.14E-06	3.31E-07	2.12E-04	6.68E-08	1.94E-08	3.65E-03	1.15E-06	3.35E-07	2.45E-04	7.72E-08	2.25E-08	3.67E-03	1.16E-06	3.37E-07	1.12E-04	3.54E-08	1.03E-08
2182	495311.06, 3859751.99	3.57E-03	1.13E-06	3.28E-07	2.11E-04	6.66E-08	1.94E-08	3.61E-03	1.14E-06	3.31E-07	2.44E-04	7.69E-08	2.24E-08	3.63E-03	1.15E-06	3.33E-07	1.12E-04	3.52E-08	1.02E-08
2183	495361.06, 3859751.99	3.53E-03	1.12E-06	3.24E-07	2.10E-04	6.63E-08	1.93E-08	3.57E-03	1.13E-06	3.28E-07	2.43E-04	7.66E-08	2.23E-08	3.59E-03	1.13E-06	3.30E-07	1.11E-04	3.51E-08	1.02E-08
2184	495411.06, 3859751.99	3.50E-03	1.10E-06	3.21E-07	2.09E-04	6.61E-08	1.92E-08	3.54E-03	1.12E-06	3.25E-07	2.42E-04	7.63E-08	2.22E-08	3.56E-03	1.12E-06	3.26E-07	1.11E-04	3.50E-08	1.02E-08
2185	495461.06, 3859751.99	3.45E-03	1.09E-06	3.17E-07	2.08E-04	6.57E-08	1.91E-08	3.48E-03	1.10E-06	3.20E-07	2.41E-04	7.59E-08	2.21E-08	3.50E-03	1.11E-06	3.22E-07	1.10E-04	3.48E-08	1.01E-08
2186	495511.06, 3859751.99	3.40E-03	1.07E-06	3.12E-07	2.07E-04	6.54E-08	1.90E-08	3.43E-03	1.08E-06	3.15E-07	2.39E-04	7.55E-08	2.20E-08	3.45E-03	1.09E-06	3.17E-07	1.10E-04	3.46E-08	1.01E-08
2187	495561.06, 3859751.99	3.36E-03	1.06E-06	3.09E-07	2.06E-04	6.51E-08	1.89E-08	3.40E-03	1.07E-06	3.12E-07	2.38E-04	7.52E-08	2.19E-08	3.41E-03	1.08E-06	3.13E-07	1.09E-04	3.44E-08	1.00E-08
2188	495611.06, 3859751.99	3.33E-03	1.05E-06	3.06E-07	2.05E-04	6.48E-08	1.89E-08	3.36E-03	1.06E-06	3.09E-07	2.37E-04	7.49E-08	2.18E-08	3.38E-03	1.07E-06	3.10E-07	1.09E-04	3.43E-08	9.98E-09
2189	495661.06, 3859751.99	3.30E-03	1.04E-06	3.03E-07	2.05E-04	6.46E-08	1.88E-08	3.34E-03	1.05E-06	3.07E-07	2.36E-04	7.46E-08	2.17E-08	3.35E-03	1.06E-06	3.08E-07	1.08E-04	3.42E-08	9.94E-09
2190	494311.06, 3859801.99	4.44E-03	1.40E-06	4.08E-07	2.25E-04	7.09E-08	2.06E-08	4.48E-03	1.41E-06	4.12E-07	2.59E-04	8.19E-08	2.38E-08	4.54E-03	1.43E-06	4.17E-07	1.19E-04	3.74E-08	1.09E-08
2191	494361.06, 3859801.99	4.37E-03	1.38E-06	4.01E-07	2.23E-04	7.05E-08	2.05E-08	4.41E-03	1.39E-06	4.05E-07	2.58E-04	8.15E-08	2.37E-08	4.47E-03	1.41E-06	4.10E-07	1.18E-04	3.73E-08	1.08E-08
2192	494411.06, 3859801.99	4.29E-03	1.36E-06	3.94E-07	2.22E-04	7.01E-08	2.04E-08	4.33E-03	1.37E-06	3.98E-07	2.57E-04	8.10E-08	2.36E-08	4.39E-03	1.38E-06	4.03E-07	1.17E-04	3.71E-08	1.08E-08
2193	494461.06, 3859801.99	4.29E-03	1.35E-06	3.94E-07	2.22E-04	7.00E-08	2.04E-08	4.33E-03	1.37E-06	3.97E-07	2.56E-04	8.08E-08	2.35E-08	4.38E-03	1.38E-06	4.03E-07	1.17E-04	3.70E-08	1.08E-08
2194	494511.06, 3859801.99	4.29E-03	1.36E-06	3.94E-07	2.21E-04	6.98E-08	2.03E-08	4.33E-03	1.37E-06	3.98E-07	2.56E-04	8.07E-08	2.35E-08	4.39E-03	1.39E-06	4.03E-07	1.17E-04	3.69E-08	1.07E-08
2195	494561.06, 3859801.99	4.25E-03	1.34E-06	3.90E-07	2.20E-04	6.96E-08	2.02E-08	4.29E-03	1.35E-06	3.94E-07	2.55E-04	8.04E-08	2.34E-08	4.34E-03	1.37E-06	3.99E-07	1.16E-04	3.68E-08	1.07E-08
2196	494611.06, 3859801.99	4.16E-03	1.31E-06	3.82E-07	2.19E-04	6.92E-08	2.01E-08	4.20E-03	1.32E-06	3.85E-07	2.53E-04	7.99E-08	2.32E-08	4.25E-03	1.34E-06	3.90E-07	1.16E-04	3.66E-08	1.06E-08
2197	494661.06, 3859801.99	4.11E-03	1.30E-06	3.77E-07	2.18E-04	6.89E-08	2.00E-08	4.15E-03	1.31E-06	3.81E-07	2.52E-04	7.96E-08	2.31E-08	4.19E-03	1.32E-06	3.85E-07	1.15E-04	3.64E-08	1.06E-08
2198	494711.06, 3859801.99	4.05E-03	1.28E-06	3.72E-07	2.17E-04	6.86E-08	1.99E-08	4.08E-03	1.29E-06	3.75E-07	2.51E-04	7.92E-08	2.30E-08	4.13E-03	1.30E-06	3.79E-07	1.15E-04	3.62E-08	1.05E-08
2199	494761.06, 3859801.99	4.05E-03	1.28E-06	3.72E-07	2.17E-04	6.84E-08	1.99E-08	4.08E-03	1.29E-06	3.75E-07	2.51E-04	7.91E-08	2.30E-08	4.13E-03	1.30E-06	3.79E-07	1.15E-04	3.62E-08	1.05E-08
2200	494811.06, 3859801.99	4.00E-03	1.26E-06	3.67E-07	2.16E-04	6.82E-08	1.98E-08	4.04E-03	1.27E-06	3.71E-07	2.50E-04	7.88E-08	2.29E-08	4.08E-03	1.29E-06	3.74E-07	1.14E-04	3.60E-08	1.05E-08
2201	494861.06, 3859801.99	3.97E-03	1.25E-06	3.64E-07	2.15E-04	6.80E-08	1.98E-08	4.00E-03	1.26E-06	3.67E-07	2.49E-04	7.85E-08	2.28E-08	4.04E-03	1.28E-06	3.71E-07	1.14E-04	3.59E-08	1.04E-08
2202	494911.06, 3859801.99	3.91E-03	1.24E-06	3.59E-07	2.14E-04	6.77E-08	1.97E-08	3.95E-03	1.25E-06	3.63E-07	2.48E-04	7.82E-08	2.27E-08	3.99E-03	1.26E-06	3.66E-07	1.13E-04	3.58E-08	1.04E-08
2203	494961.06, 3859801.99	3.88E-03	1.22E-06	3.56E-07	2.14E-04	6.74E-08	1.96E-08	3.91E-03	1.23E-06	3.59E-07	2.47E-04	7.79E-08	2.27E-08	3.95E-03	1.25E-06	3.63E-07	1.13E-04	3.57E-08	1.04E-08
2204	495011.06, 3859801.99	3.83E-03	1.21E-06	3.52E-07	2.13E-04	6.72E-08	1.95E-08	3.87E-03	1.22E-06	3.55E-07	2.46E-04	7.76E-08	2.26E-08	3.91E-03	1.23E-06	3.59E-07	1.13E-04	3.55E-08	1.03E-08
2205	495061.06, 3859801.99	3.80E-03	1.20E-06	3.49E-07	2.12E-04	6.70E-08	1.95E-08	3.84E-03	1.21E-06	3.52E-07	2.45E-04	7.74E-08	2.25E-08	3.87E-03	1.22E-06	3.56E-07	1.12E-04	3.54E-08	1.03E-08
2206	495111.06, 3859801.99	3.76E-03	1.19E-06	3.45E-07	2.11E-04	6.67E-08	1.94E-08	3.79E-03	1.20E-06	3.48E-07	2.44E-04	7.71E-08	2.24E-08	3.83E-03	1.21E-06	3.51E-07	1.12E-04	3.53E-08	1.03E-08
2207	495161.06, 3859801.99	3.71E-03	1.17E-06	3.41E-07	2.11E-04	6.65E-08	1.93E-08	3.75E-03	1.18E-06	3.44E-07	2.43E-04	7.68E-08	2.23E-08	3.78E-03	1.19E-06	3.47E-07	1.11E-04	3.52E-08	1.02E-08
2208	495211.06, 3859801.99	3.68E-03	1.16E-06	3.38E-07	2.10E-04	6.63E-08	1.93E-08	3.72E-03	1.17E-06	3.41E-07	2.43E-04	7.66E-08	2.23E-08	3.75E-03	1.18E-06	3.44E-07	1.11E-04	3.50E-08	1.02E-08
2209	495261.06, 3859801.99	3.64E-03	1.15E-06	3.34E-07	2.09E-04	6.60E-08	1.92E-08	3.67E-03	1.16E-06	3.37E-07	2.42E-04	7.63E-08	2.22E-08	3.70E-03	1.17E-06	3.40E-07	1.11E-04	3.49E-08	1.02E-08
2210	495311.06, 3859801.99	3.61E-03	1.14E-06	3.31E-07	2.09E-04	6.58E-08	1.91E-08	3.64E-03	1.15E-06	3.35E-07	2.41E-04	7.60E-08	2.21E-08	3.67E-03	1.16E-06	3.37E-07	1.10E-04	3.48E-08	1.01E-08
2211	495361.06, 3859801.99	3.57E-03	1.13E-06	3.28E-07	2.08E-04	6.56E-08	1.91E-08	3.61E-03	1.14E-06	3.31E-07	2.40E-04	7.57E-08	2.20E-08	3.63E-03	1.15E-06	3.33E-07	1.10E-04	3.47E-08	1.01E-08
2212	495411.06, 3859801.99	3.52E-03	1.11E-06	3.24E-07	2.07E-04	6.53E-08	1.90E-08	3.56E-03	1.12E-06	3.27E-07	2.39E-04	7.54E-08	2.19E-08	3.58E-03	1.13E-06	3.29E-07	1.09E-04	3.45E-08	1.00E-08
2213	495461.06, 3859801.99	3.49E-03	1.10E-06	3.20E-07	2.06E-04	6.50E-08	1.89E-08	3.52E-03	1.11E-06	3.23E-07	2.38E-04	7.51E-08	2.19E-08	3.55E-03	1.12E-06	3.26E-07	1.09E-04	3.44E-08	1.00E-08
2214	495511.06, 3859801.99	3.44E-03	1.08E-06	3.15E-07	2.05E-04	6.47E-08	1.88E-08	3.47E-03	1.10E-06	3.19E-07	2.37E-04	7.48E-08	2.17E-08	3.49E-03	1.10E-06	3.20E-07	1.08E-04	3.42E-08	9.96E-09
2215	495561.06, 3859801.99	3.41E-03	1.07E-06	3.13E-07	2.04E-04	6.45E-08	1.88E-08	3.44E-03	1.09E-06	3.16E-07	2.36E-04	7.45E-08	2.17E-08	3.46E-03	1.09E-06	3.18E-07	1.08E-04	3.41E-08	9.92E-09
2216	495611.06, 3859801.99	3.39E-03	1.07E-06	3.11E-07	2.04E-04	6.43E-08	1.87E-08	3.42E-03	1.08E-06	3.14E-07	2.35E-04	7.43E-08	2.16E-08	3.44E-03	1.09E-06	3.16E-07	1.08E-04	3.40E-08	9.90E-09
2217	495661.06, 3859801.99	3.34E-03	1.06E-06	3.07E-07	2.03E-04	6.40E-08	1.86E-08	3.38E-03	1.07E-06	3.10E-07	2.34E-04	7.39E-08	2.15E-08	3.40E-03	1.07E-06	3.12E-07	1.07E-04	3.39E-08	9.85E-09
2218	494311.06, 3859851.99	4.47E-03	1.41E-06	4.10E-07	2.22E-04	6.99E-08	2.03E-08	4.50E-03	1.42E-06	4.13E-07	2.56E-04	8.08E-08	2.35E-08	4.57E-03	1.44E-06	4.19E-07	1.17E-04	3.69E-08	1.07E-08
2219	494361.06, 3859851.99	4.41E-03	1.39E-06	4.05E-07	2.21E-04	6.96E-08	2.03E-08	4.44E-03	1.40E-06	4.08E-07	2.55E-04	8.05E-08	2.34E-08	4.51E-03	1.42E-06	4.14E-07	1.17E-04	3.68E-08	1.07E-08
2220	494411.06, 3859851.99	4.34E-03	1.37E-06	3.98E-07	2.20E-04	6.93E-08	2.02E-08	4.38E-03	1.38E-06	4.02E-07	2.54E-04	8.01E-08	2.33E-08	4.44E-03	1.40E-06	4.07E-07	1.16E-04	3.66E-08	1.06E-08
2221	494461.06, 3859851.99	4.29E-03	1.35E-06	3.94E-07	2.19E-04	6.90E-08	2.01E-08	4.33E-03	1.37E-06	3.97E-07	2.53E-04	7.97E-08	2.32E-08	4.39E-03	1.38E-06	4.03E-07	1.15E-04	3.64E-08	1.06E-08
2222	494511.06, 3859851.99	4.28E-03	1.35E-06	3.93E-07	2.18E-04	6.88E-08	2.00E-08	4.31E-03	1.36E-06	3.96E-07	2.52E-04	7.95E-08	2.31E-08	4.37E-03	1.38E-06	4.01E-07	1.15E-04	3.63E-08	1.06E-08
2223	494561.06, 3859851.99	4.27E-03	1.35E-06	3.92E-07	2.17E-04	6.86E-08	2.00E-08	4.31E-03	1.36E-06	3.95E-07	2.51E-04	7.93E-08	2.31E-08	4.36E-03	1.38E-06	4.01E-07	1.15E-04	3.63E-08	1.05E-08
2224	494611.06, 3859851.99	4.18E-03	1.32E-06	3.83E-07	2.16E-04	6.82E-08	1.98E-08	4.21E-03	1.33E-06	3.87E-07	2.50E-04	7.88E-08	2.29E-08	4.27E-03	1.35E-06	3.92E-07	1.14E-04	3.60E-08	1.05E-08
2225	494661.06, 3859851.99	4.15E-03	1.31E-06	3.81E-07	2.16E-04	6.80E-08	1.98E-08	4.19E-03	1.32E-06	3.85E-07	2.49E-04	7.86E-08	2.29E-08	4.24E-03	1.34E-06	3.89E-07	1.14E-04	3.59E-08	1.05E-08
2226	494711.06, 3859851.99	4.08E-03	1.29E-06	3.75E-07	2.14E-04	6.77E-08	1.97E-08	4.12E-03	1.30E-06	3.78E-07	2.48E-04	7.82E-08	2.28E-08	4.17E-03	1.32E-06	3.83E-07	1.13E-04	3.58E-08	1.04E-08
2227	494761.06, 3859851.99	4.08E-03	1.29E-06	3.74E-07	2.14E-04	6.75E-08	1.96E-08	4.11E-03	1.30E-06	3.78E-07	2.47E-04	7.80E-08	2.27E-08	4.16E-03	1.31E-06	3.82E-07	1.13E-04	3.57E-08	1.04E-08
2228	494811.06, 3859851.99	4.03E-03	1.27E-06	3.70E-07	2.13E-04	6.73E-08	1.96E-08	4.07E-03	1.28E-06	3.74E-07	2.46E-04	7.78E-08	2.26E-08	4.12E-03	1.30E-06	3.78E-07	1.13E-04	3.56E-08	1.03E-08
2229	494861.06, 3859851.99	4.01E-03	1.26E-06	3.68E-07	2.13E-04	6.71E-08	1.95E-08	4.04E-03	1.28E-06	3.71E-07	2.46E-04	7.75E-08	2.25E-08	4.09E-03	1.29E-06	3.75E-07	1.12E-04	3.55E-08	1.03E-08
2230	494911.06, 3859851.99	3.95E-03	1.25E-06	3.63E-07	2.12E-04	6.68E-08	1.94E-08	3.99E-03	1.26E-06	3.66E-07	2.45E-04	7.72E-08	2.25E-08	4.03E-03	1.27E-06	3.70E-07	1.12E-04	3.53E-08	1.03E-08
2231	494961.06, 3859851.99	3.92E-03	1.24E-06	3.59E-07	2.11E-04	6.66E-08	1.94E-08	3.95E-03	1.25E-06	3.63E-07	2.44E-04	7.69E-08	2.24E-08	3.99E-03	1.26E-06	3.67E-07	1.12E-04	3.52E-08	1.02E-08
2232	495011.06, 3859851.99	3.88E-03	1.22E-06	3.56E-07	2.10E-04	6.64E-08	1.93E-08	3.91E-03	1.23E-06	3.59E-07	2.43E-04	7.67E-08	2.23E-08	3.95E-03	1.25E-06	3.63E-07	1.11E-04	3.51E-08	1.02E-08
2233	495061.06, 3859851.99	3.84E-03	1.21E-06	3.53E-07	2.10E-04	6.62E-08	1.92E-08	3.88E-03	1.22E-06	3.56E-07	2.42E-04	7.64E-08	2.22E-08	3.92E-03	1.24E-06	3.60E-07	1.11E-04	3.50E-08	1.02E-08
2234	495111.06, 3859851.99	3.79E-03	1.20E-06	3.48E-07	2.09E-04	6.59E-08	1.92E-08	3.83E-03	1.21E-06	3.52E-07	2.41E-04	7.61E-08	2.21E-08	3.87E-03	1.22E-06	3.55E-07	1.10E-04	3.48E-08	1.01E-08
2235	495161.06, 3859851.99	3.75E-03	1.18E-06	3.45E-07	2.08E-04	6.57E-08	1.91E-08	3.79E-03	1.20E-06	3.48E-07	2.40E-04	7.59E-08	2.21E-08	3.82E-03	1.21E-06	3.51E-07	1.10E-04	3.47E-08	1.01E-08
2236	495211.06, 3859851.99	3.72E-03	1.17E-06	3.41E-07	2.07E-04	6.54E-08	1.90E-08	3.75E-03	1.18E-06	3.44E-07	2.40E-04	7.56E-08	2.20E-08	3.79E-03	1.19E-06	3.48E-07	1.10E-04	3.46E-08	1.01E-08
2237	495261.06, 3859851.99	3.68E-03	1.16E-06	3.37E-07	2.07E-04	6.52E-08	1.90E-08	3.71E-03	1.17E-06	3.41E-07	2.39E-04	7.53E-08	2.19E-08	3.74E-03	1.18E-06	3.44E-07	1.09E-04	3.45E-08	1.00E-08
2238	495311.06, 3859851.99	3.64E-03	1.15E-06	3.35E-07	2.06E-04	6.50E-08	1.89E-08	3.68E-03	1.16E-06	3.38E-07	2.38E-04	7.51E-08	2.18E-08	3.71E-03	1.17E-06	3.41E-07	1.09E-04	3.44E-08	1.00E-08
2239	495361.06, 3859851.99	3.61E-03	1.14E-06	3.31E-07	2.05E-04	6.48E-08	1.88E-08	3.64E-03	1.15E-06	3.35E-07	2.37E-04	7.49E-08	2.18E-08	3.67E-03	1.16E-06	3.37E-07	1.09E-04	3.43E-08	9.96E-09
2240	495411.06, 3859851.99	3.57E-03	1.13E-06	3.27E-07	2.04E-04	6.45E-08	1.88E-08	3.60E-03	1.14E-06	3.30E-07	2.36E-04	7.46E-08	2.17E-08	3.63E-03	1.15E-06	3.33E-07	1.08E-04	3.41E-08	9.93E-09

2241	495461.06, 3859851.99	3.52E-03	1.11E-06	3.23E-07	2.04E-04	6.43E-08	1.87E-08	3.56E-03	1.12E-06	3.27E-07	2.35E-04	7.43E-08	2.16E-08	3.58E-03	1.13E-06	3.29E-07	1.08E-04	3.40E-08	9.89E-09
2242	495511.06, 3859851.99	3.48E-03	1.10E-06	3.19E-07	2.03E-04	6.40E-08	1.86E-08	3.51E-03	1.11E-06	3.22E-07	2.34E-04	7.39E-08	2.15E-08	3.53E-03	1.12E-06	3.24E-07	1.07E-04	3.38E-08	9.84E-09
2243	495561.06, 3859851.99	3.45E-03	1.09E-06	3.17E-07	2.02E-04	6.38E-08	1.86E-08	3.48E-03	1.10E-06	3.20E-07	2.34E-04	7.37E-08	2.14E-08	3.51E-03	1.11E-06	3.22E-07	1.07E-04	3.38E-08	9.82E-09
2244	495611.06, 3859851.99	3.42E-03	1.08E-06	3.14E-07	2.02E-04	6.36E-08	1.85E-08	3.46E-03	1.09E-06	3.17E-07	2.33E-04	7.35E-08	2.14E-08	3.48E-03	1.10E-06	3.19E-07	1.07E-04	3.36E-08	9.79E-09
2245	495661.06, 3859851.99	3.38E-03	1.07E-06	3.10E-07	2.01E-04	6.33E-08	1.84E-08	3.41E-03	1.08E-06	3.13E-07	2.32E-04	7.32E-08	2.13E-08	3.43E-03	1.08E-06	3.15E-07	1.06E-04	3.35E-08	9.74E-09
2246	494311.06, 3859901.99	4.48E-03	1.41E-06	4.11E-07	2.19E-04	6.90E-08	2.01E-08	4.51E-03	1.42E-06	4.14E-07	2.53E-04	7.98E-08	2.32E-08	4.58E-03	1.45E-06	4.21E-07	1.15E-04	3.64E-08	1.06E-08
2247	494361.06, 3859901.99	4.39E-03	1.39E-06	4.03E-07	2.17E-04	6.86E-08	2.00E-08	4.43E-03	1.40E-06	4.07E-07	2.51E-04	7.93E-08	2.31E-08	4.49E-03	1.42E-06	4.13E-07	1.15E-04	3.62E-08	1.05E-08
2248	494411.06, 3859901.99	4.36E-03	1.38E-06	4.01E-07	2.17E-04	6.84E-08	1.99E-08	4.40E-03	1.39E-06	4.04E-07	2.50E-04	7.91E-08	2.30E-08	4.47E-03	1.41E-06	4.10E-07	1.14E-04	3.61E-08	1.05E-08
2249	494461.06, 3859901.99	4.32E-03	1.36E-06	3.96E-07	2.16E-04	6.81E-08	1.98E-08	4.35E-03	1.37E-06	4.00E-07	2.49E-04	7.87E-08	2.29E-08	4.42E-03	1.39E-06	4.05E-07	1.14E-04	3.60E-08	1.05E-08
2250	494511.06, 3859901.99	4.29E-03	1.35E-06	3.94E-07	2.15E-04	6.79E-08	1.97E-08	4.32E-03	1.36E-06	3.97E-07	2.49E-04	7.85E-08	2.28E-08	4.39E-03	1.38E-06	4.03E-07	1.14E-04	3.59E-08	1.04E-08
2251	494561.06, 3859901.99	4.29E-03	1.36E-06	3.94E-07	2.15E-04	6.78E-08	1.97E-08	4.33E-03	1.37E-06	3.97E-07	2.48E-04	7.83E-08	2.28E-08	4.39E-03	1.39E-06	4.03E-07	1.13E-04	3.58E-08	1.04E-08
2252	494611.06, 3859901.99	4.20E-03	1.32E-06	3.85E-07	2.13E-04	6.73E-08	1.96E-08	4.23E-03	1.34E-06	3.89E-07	2.47E-04	7.78E-08	2.26E-08	4.29E-03	1.35E-06	3.94E-07	1.13E-04	3.56E-08	1.03E-08
2253	494661.06, 3859901.99	4.19E-03	1.32E-06	3.85E-07	2.13E-04	6.72E-08	1.95E-08	4.23E-03	1.33E-06	3.88E-07	2.46E-04	7.77E-08	2.26E-08	4.29E-03	1.35E-06	3.94E-07	1.12E-04	3.55E-08	1.03E-08
2254	494711.06, 3859901.99	4.10E-03	1.29E-06	3.76E-07	2.12E-04	6.68E-08	1.94E-08	4.14E-03	1.31E-06	3.80E-07	2.45E-04	7.72E-08	2.24E-08	4.19E-03	1.32E-06	3.85E-07	1.12E-04	3.53E-08	1.03E-08
2255	494761.06, 3859901.99	4.08E-03	1.29E-06	3.75E-07	2.11E-04	6.66E-08	1.94E-08	4.12E-03	1.30E-06	3.78E-07	2.44E-04	7.70E-08	2.24E-08	4.17E-03	1.32E-06	3.83E-07	1.11E-04	3.52E-08	1.02E-08
2256	494811.06, 3859901.99	4.07E-03	1.28E-06	3.74E-07	2.11E-04	6.64E-08	1.93E-08	4.10E-03	1.30E-06	3.77E-07	2.43E-04	7.68E-08	2.23E-08	4.16E-03	1.31E-06	3.82E-07	1.11E-04	3.51E-08	1.02E-08
2257	494861.06, 3859901.99	4.04E-03	1.27E-06	3.71E-07	2.10E-04	6.62E-08	1.93E-08	4.07E-03	1.29E-06	3.74E-07	2.42E-04	7.65E-08	2.23E-08	4.13E-03	1.30E-06	3.79E-07	1.11E-04	3.50E-08	1.02E-08
2258	494911.06, 3859901.99	3.99E-03	1.26E-06	3.66E-07	2.09E-04	6.60E-08	1.92E-08	4.02E-03	1.27E-06	3.69E-07	2.41E-04	7.62E-08	2.22E-08	4.07E-03	1.28E-06	3.74E-07	1.10E-04	3.48E-08	1.01E-08
2259	494961.06, 3859901.99	3.95E-03	1.25E-06	3.63E-07	2.08E-04	6.57E-08	1.91E-08	3.99E-03	1.26E-06	3.66E-07	2.41E-04	7.60E-08	2.21E-08	4.04E-03	1.27E-06	3.71E-07	1.10E-04	3.47E-08	1.01E-08
2260	495011.06, 3859901.99	3.91E-03	1.23E-06	3.59E-07	2.08E-04	6.55E-08	1.91E-08	3.94E-03	1.24E-06	3.62E-07	2.40E-04	7.57E-08	2.20E-08	3.99E-03	1.26E-06	3.66E-07	1.10E-04	3.46E-08	1.01E-08
2261	495061.06, 3859901.99	3.87E-03	1.22E-06	3.55E-07	2.07E-04	6.53E-08	1.90E-08	3.90E-03	1.23E-06	3.58E-07	2.39E-04	7.54E-08	2.19E-08	3.95E-03	1.25E-06	3.62E-07	1.09E-04	3.45E-08	1.00E-08
2262	495111.06, 3859901.99	3.82E-03	1.21E-06	3.51E-07	2.06E-04	6.50E-08	1.89E-08	3.85E-03	1.22E-06	3.54E-07	2.38E-04	7.51E-08	2.18E-08	3.89E-03	1.23E-06	3.58E-07	1.09E-04	3.43E-08	9.99E-09
2263	495161.06, 3859901.99	3.77E-03	1.19E-06	3.46E-07	2.05E-04	6.48E-08	1.88E-08	3.81E-03	1.20E-06	3.49E-07	2.37E-04	7.48E-08	2.18E-08	3.85E-03	1.21E-06	3.53E-07	1.08E-04	3.42E-08	9.95E-09
2264	495211.06, 3859901.99	3.74E-03	1.18E-06	3.44E-07	2.05E-04	6.46E-08	1.88E-08	3.78E-03	1.19E-06	3.47E-07	2.36E-04	7.46E-08	2.17E-08	3.82E-03	1.21E-06	3.51E-07	1.08E-04	3.41E-08	9.93E-09
2265	495261.06, 3859901.99	3.69E-03	1.17E-06	3.39E-07	2.04E-04	6.43E-08	1.87E-08	3.73E-03	1.18E-06	3.42E-07	2.35E-04	7.43E-08	2.16E-08	3.76E-03	1.19E-06	3.45E-07	1.08E-04	3.40E-08	9.89E-09
2266	495311.06, 3859901.99	3.67E-03	1.16E-06	3.37E-07	2.03E-04	6.41E-08	1.87E-08	3.70E-03	1.17E-06	3.40E-07	2.35E-04	7.41E-08	2.16E-08	3.74E-03	1.18E-06	3.43E-07	1.07E-04	3.39E-08	9.86E-09
2267	495361.06, 3859901.99	3.63E-03	1.14E-06	3.33E-07	2.03E-04	6.39E-08	1.86E-08	3.66E-03	1.16E-06	3.36E-07	2.34E-04	7.38E-08	2.15E-08	3.69E-03	1.17E-06	3.39E-07	1.07E-04	3.38E-08	9.83E-09
2268	495411.06, 3859901.99	3.58E-03	1.13E-06	3.29E-07	2.02E-04	6.37E-08	1.85E-08	3.62E-03	1.14E-06	3.32E-07	2.33E-04	7.36E-08	2.14E-08	3.65E-03	1.15E-06	3.35E-07	1.07E-04	3.37E-08	9.79E-09
2269	495461.06, 3859901.99	3.54E-03	1.12E-06	3.25E-07	2.01E-04	6.34E-08	1.85E-08	3.58E-03	1.13E-06	3.28E-07	2.32E-04	7.33E-08	2.13E-08	3.61E-03	1.14E-06	3.31E-07	1.06E-04	3.35E-08	9.75E-09
2270	495511.06, 3859901.99	3.51E-03	1.11E-06	3.23E-07	2.00E-04	6.33E-08	1.84E-08	3.55E-03	1.12E-06	3.26E-07	2.32E-04	7.31E-08	2.13E-08	3.58E-03	1.13E-06	3.28E-07	1.06E-04	3.34E-08	9.73E-09
2271	495561.06, 3859901.99	3.49E-03	1.10E-06	3.20E-07	2.00E-04	6.31E-08	1.83E-08	3.52E-03	1.11E-06	3.23E-07	2.31E-04	7.29E-08	2.12E-08	3.55E-03	1.12E-06	3.26E-07	1.06E-04	3.33E-08	9.70E-09
2272	495611.06, 3859901.99	3.45E-03	1.09E-06	3.16E-07	1.99E-04	6.28E-08	1.83E-08	3.48E-03	1.10E-06	3.19E-07	2.30E-04	7.26E-08	2.11E-08	3.51E-03	1.11E-06	3.22E-07	1.05E-04	3.32E-08	9.66E-09
2273	495661.06, 3859901.99	3.40E-03	1.07E-06	3.12E-07	1.98E-04	6.26E-08	1.82E-08	3.44E-03	1.08E-06	3.15E-07	2.29E-04	7.23E-08	2.10E-08	3.46E-03	1.09E-06	3.18E-07	1.05E-04	3.31E-08	9.62E-09
2274	494311.06, 3859951.99	4.50E-03	1.42E-06	4.13E-07	2.16E-04	6.83E-08	1.99E-08	4.53E-03	1.43E-06	4.16E-07	2.50E-04	7.89E-08	2.30E-08	4.60E-03	1.45E-06	4.23E-07	1.14E-04	3.61E-08	1.05E-08
2275	494361.06, 3859951.99	4.43E-03	1.40E-06	4.07E-07	2.16E-04	6.80E-08	1.98E-08	4.47E-03	1.41E-06	4.11E-07	2.49E-04	7.86E-08	2.29E-08	4.54E-03	1.43E-06	4.17E-07	1.14E-04	3.59E-08	1.04E-08
2276	494411.06, 3859951.99	4.38E-03	1.38E-06	4.02E-07	2.14E-04	6.75E-08	1.96E-08	4.42E-03	1.39E-06	4.05E-07	2.47E-04	7.81E-08	2.27E-08	4.48E-03	1.42E-06	4.12E-07	1.13E-04	3.57E-08	1.04E-08
2277	494461.06, 3859951.99	4.33E-03	1.37E-06	3.98E-07	2.13E-04	6.73E-08	1.96E-08	4.37E-03	1.38E-06	4.01E-07	2.46E-04	7.77E-08	2.26E-08	4.44E-03	1.40E-06	4.07E-07	1.12E-04	3.55E-08	1.03E-08
2278	494511.06, 3859951.99	4.31E-03	1.36E-06	3.95E-07	2.12E-04	6.70E-08	1.95E-08	4.34E-03	1.37E-06	3.99E-07	2.45E-04	7.75E-08	2.25E-08	4.41E-03	1.39E-06	4.05E-07	1.12E-04	3.54E-08	1.03E-08
2279	494561.06, 3859951.99	4.32E-03	1.36E-06	3.97E-07	2.13E-04	6.71E-08	1.95E-08	4.36E-03	1.38E-06	4.00E-07	2.46E-04	7.75E-08	2.25E-08	4.42E-03	1.40E-06	4.06E-07	1.12E-04	3.54E-08	1.03E-08
2280	494611.06, 3859951.99	4.23E-03	1.34E-06	3.89E-07	2.11E-04	6.65E-08	1.94E-08	4.27E-03	1.35E-06	3.92E-07	2.44E-04	7.69E-08	2.24E-08	4.33E-03	1.37E-06	3.98E-07	1.11E-04	3.51E-08	1.02E-08
2281	494661.06, 3859951.99	4.23E-03	1.33E-06	3.88E-07	2.11E-04	6.66E-08	1.94E-08	4.26E-03	1.35E-06	3.91E-07	2.44E-04	7.70E-08	2.24E-08	4.32E-03	1.36E-06	3.97E-07	1.11E-04	3.52E-08	1.02E-08
2282	494711.06, 3859951.99	4.15E-03	1.31E-06	3.81E-07	2.09E-04	6.60E-08	1.92E-08	4.18E-03	1.32E-06	3.84E-07	2.42E-04	7.63E-08	2.22E-08	4.24E-03	1.34E-06	3.89E-07	1.10E-04	3.49E-08	1.01E-08
2283	494761.06, 3859951.99	4.12E-03	1.30E-06	3.78E-07	2.09E-04	6.58E-08	1.91E-08	4.15E-03	1.31E-06	3.81E-07	2.41E-04	7.61E-08	2.21E-08	4.21E-03	1.33E-06	3.87E-07	1.10E-04	3.47E-08	1.01E-08
2284	494811.06, 3859951.99	4.09E-03	1.29E-06	3.75E-07	2.08E-04	6.56E-08	1.91E-08	4.12E-03	1.30E-06	3.78E-07	2.40E-04	7.58E-08	2.20E-08	4.18E-03	1.32E-06	3.83E-07	1.10E-04	3.46E-08	1.01E-08
2285	494861.06, 3859951.99	4.07E-03	1.28E-06	3.73E-07	2.07E-04	6.54E-08	1.90E-08	4.10E-03	1.29E-06	3.76E-07	2.39E-04	7.56E-08	2.20E-08	4.16E-03	1.31E-06	3.82E-07	1.09E-04	3.45E-08	1.00E-08
2286	494911.06, 3859951.99	4.01E-03	1.27E-06	3.68E-07	2.06E-04	6.51E-08	1.89E-08	4.05E-03	1.28E-06	3.72E-07	2.38E-04	7.53E-08	2.19E-08	4.10E-03	1.29E-06	3.76E-07	1.09E-04	3.44E-08	1.00E-08
2287	494961.06, 3859951.99	3.97E-03	1.25E-06	3.64E-07	2.06E-04	6.49E-08	1.89E-08	4.00E-03	1.26E-06	3.67E-07	2.38E-04	7.50E-08	2.18E-08	4.05E-03	1.28E-06	3.72E-07	1.09E-04	3.43E-08	9.96E-09
2288	495011.06, 3859951.99	3.92E-03	1.24E-06	3.60E-07	2.05E-04	6.46E-08	1.88E-08	3.96E-03	1.25E-06	3.63E-07	2.37E-04	7.47E-08	2.17E-08	4.01E-03	1.26E-06	3.68E-07	1.08E-04	3.41E-08	9.93E-09
2289	495061.06, 3859951.99	3.89E-03	1.23E-06	3.57E-07	2.04E-04	6.44E-08	1.87E-08	3.92E-03	1.24E-06	3.60E-07	2.36E-04	7.44E-08	2.16E-08	3.97E-03	1.25E-06	3.64E-07	1.08E-04	3.40E-08	9.89E-09
2290	495111.06, 3859951.99	3.84E-03	1.21E-06	3.52E-07	2.03E-04	6.42E-08	1.87E-08	3.87E-03	1.22E-06	3.55E-07	2.35E-04	7.41E-08	2.16E-08	3.92E-03	1.24E-06	3.60E-07	1.07E-04	3.39E-08	9.86E-09
2291	495161.06, 3859951.99	3.79E-03	1.20E-06	3.48E-07	2.02E-04	6.39E-08	1.86E-08	3.82E-03	1.21E-06	3.51E-07	2.34E-04	7.38E-08	2.15E-08	3.87E-03	1.22E-06	3.55E-07	1.07E-04	3.38E-08	9.82E-09
2292	495211.06, 3859951.99	3.74E-03	1.18E-06	3.44E-07	2.02E-04	6.37E-08	1.85E-08	3.78E-03	1.19E-06	3.47E-07	2.33E-04	7.36E-08	2.14E-08	3.82E-03	1.21E-06	3.51E-07	1.07E-04	3.36E-08	9.78E-09
2293	495261.06, 3859951.99	3.71E-03	1.17E-06	3.40E-07	2.01E-04	6.34E-08	1.85E-08	3.74E-03	1.18E-06	3.43E-07	2.32E-04	7.33E-08	2.13E-08	3.78E-03	1.19E-06	3.47E-07	1.06E-04	3.35E-08	9.75E-09
2294	495311.06, 3859951.99	3.68E-03	1.16E-06	3.38E-07	2.01E-04	6.33E-08	1.84E-08	3.72E-03	1.17E-06	3.41E-07	2.32E-04	7.31E-08	2.13E-08	3.76E-03	1.19E-06	3.45E-07	1.06E-04	3.34E-08	9.72E-09
2295	495361.06, 3859951.99	3.65E-03	1.15E-06	3.35E-07	2.00E-04	6.31E-08	1.83E-08	3.69E-03	1.16E-06	3.38E-07	2.31E-04	7.29E-08	2.12E-08	3.72E-03	1.18E-06	3.42E-07	1.06E-04	3.33E-08	9.69E-09
2296	495411.06, 3859951.99	3.61E-03	1.14E-06	3.31E-07	1.99E-04	6.29E-08	1.83E-08	3.64E-03	1.15E-06	3.34E-07	2.30E-04	7.26E-08	2.11E-08	3.68E-03	1.16E-06	3.38E-07	1.05E-04	3.32E-08	9.66E-09
2297	495461.06, 3859951.99	3.57E-03	1.13E-06	3.28E-07	1.98E-04	6.26E-08	1.82E-08	3.60E-03	1.14E-06	3.31E-07	2.29E-04	7.24E-08	2.10E-08	3.64E-03	1.15E-06	3.34E-07	1.05E-04	3.31E-08	9.63E-09
2298	495511.06, 3859951.99	3.53E-03	1.11E-06	3.24E-07	1.98E-04	6.24E-08	1.82E-08	3.56E-03	1.12E-06	3.27E-07	2.28E-04	7.21E-08	2.10E-08	3.60E-03	1.13E-06	3.30E-07	1.04E-04	3.30E-08	9.59E-09
2299	495561.06, 3859951.99	3.51E-03	1.11E-06	3.22E-07	1.97E-04	6.23E-08	1.81E-08	3.55E-03	1.12E-06	3.26E-07	2.28E-04	7.19E-08	2.09E-08	3.58E-03	1.13E-06	3.28E-07	1.04E-04	3.29E-08	9.57E-09
2300	495611.06, 3859951.99	3.47E-03	1.10E-06	3.19E-07	1.97E-04	6.21E-08	1.80E-08	3.50E-03	1.11E-06	3.22E-07	2.27E-04	7.17E-08	2.09E-08	3.53E-03	1.12E-06	3.25E-07	1.04E-04	3.28E-08	9.54E-09
2301	495661.06, 3859951.99	3.42E-03	1.08E-06	3.14E-07	1.96E-04	6.18E-08	1.80E-08	3.46E-03	1.09E-06	3.17E-07	2.26E-04	7.14E-08	2.08E-08	3.49E-03	1.10E-06	3.20E-07	1.03E-04	3.27E-08	9.50E-09
2302	494311.06, 3860001.99	4.50E-03	1.42E-06	4.13E-07	2.13E-04	6.73E-08	1.96E-08	4.54E-03	1.43E-06	4.17E-07	2.47E-04	7.78E-08	2.26E-08	4.62E-03	1.46E-06	4.24E-07	1.13E-04	3.55E-08	1.03E-08
2303	494361.06, 3860001.99	4.46E-03	1.41E-06	4.09E-07	2.12E-04	6.71E-08	1.95E-08	4.49E-03	1.42E-06	4.12E-07	2.46E-04	7.75E-08	2.25E-08	4.57E-03	1.44E-06	4.19E-07	1.12E-04	3.54E-08	1.03E-08
2304	494411.06, 3860001.99	4.39E-03	1.38E-06	4.03E-07	2.12E-04	6.68E-08	1.94E-08	4.42E-03	1.40E-06	4.06E-07	2.45E-04	7.72E-08	2.25E-08	4.49E-03	1.42E-06	4.12E-07	1.12E-04	3.53E-08	1.03E-08
2305	494461.06, 3860001.99	4.35E-03	1.37E-06	4.00E-07	2.11E-04	6.66E-08	1.94E-08	4.39E-03	1.39E-06	4.03E-07	2.44E-04	7.69E-08	2.24E-08	4.46E-03	1.41E-06	4.09E-07	1.11E-04	3.51E-08	1.02E-08
2306	494511.06, 3860001.99	4.30E-03	1.36E-06	3.95E-07	2.10E-04	6.63E-08	1.93E-08	4.34E-03	1.37E-06	3.98E-07	2.43E-04	7.67E-08	2.23E-08	4.40E-03	1.39E-06	4.04E-07	1.11E-04	3.50E-08	1.02E-08

2307	494561.06, 3860001.99	4.33E-03	1.37E-06	3.98E-07	2.09E-04	6.61E-08	1.92E-08	4.37E-03	1.38E-06	4.01E-07	2.42E-04	7.64E-08	2.22E-08	4.44E-03	1.40E-06	4.07E-07	1.11E-04	3.49E-08	1.01E-08
2308	494611.06, 3860001.99	4.28E-03	1.35E-06	3.93E-07	2.09E-04	6.59E-08	1.92E-08	4.31E-03	1.36E-06	3.96E-07	2.41E-04	7.61E-08	2.21E-08	4.38E-03	1.38E-06	4.02E-07	1.10E-04	3.48E-08	1.01E-08
2309	494661.06, 3860001.99	4.24E-03	1.34E-06	3.89E-07	2.08E-04	6.56E-08	1.91E-08	4.28E-03	1.35E-06	3.93E-07	2.40E-04	7.59E-08	2.21E-08	4.34E-03	1.37E-06	3.99E-07	1.10E-04	3.46E-08	1.01E-08
2310	494711.06, 3860001.99	4.14E-03	1.31E-06	3.80E-07	2.06E-04	6.51E-08	1.89E-08	4.17E-03	1.32E-06	3.83E-07	2.39E-04	7.53E-08	2.19E-08	4.23E-03	1.34E-06	3.89E-07	1.09E-04	3.44E-08	1.00E-08
2311	494761.06, 3860001.99	4.14E-03	1.31E-06	3.80E-07	2.06E-04	6.52E-08	1.90E-08	4.17E-03	1.32E-06	3.83E-07	2.39E-04	7.53E-08	2.19E-08	4.24E-03	1.34E-06	3.89E-07	1.09E-04	3.44E-08	1.00E-08
2312	494811.06, 3860001.99	4.11E-03	1.30E-06	3.77E-07	2.06E-04	6.49E-08	1.89E-08	4.15E-03	1.31E-06	3.81E-07	2.38E-04	7.51E-08	2.18E-08	4.21E-03	1.33E-06	3.86E-07	1.09E-04	3.43E-08	9.97E-09
2313	494861.06, 3860001.99	4.09E-03	1.29E-06	3.75E-07	2.05E-04	6.47E-08	1.88E-08	4.12E-03	1.30E-06	3.79E-07	2.37E-04	7.48E-08	2.18E-08	4.18E-03	1.32E-06	3.84E-07	1.08E-04	3.42E-08	9.94E-09
2314	494911.06, 3860001.99	4.00E-03	1.26E-06	3.67E-07	2.03E-04	6.42E-08	1.87E-08	4.03E-03	1.27E-06	3.70E-07	2.35E-04	7.42E-08	2.16E-08	4.09E-03	1.29E-06	3.75E-07	1.07E-04	3.39E-08	9.86E-09
2315	494961.06, 3860001.99	3.97E-03	1.25E-06	3.65E-07	2.03E-04	6.40E-08	1.86E-08	4.01E-03	1.26E-06	3.68E-07	2.34E-04	7.40E-08	2.15E-08	4.06E-03	1.28E-06	3.73E-07	1.07E-04	3.38E-08	9.83E-09
2316	495011.06, 3860001.99	3.93E-03	1.24E-06	3.60E-07	2.02E-04	6.38E-08	1.85E-08	3.96E-03	1.25E-06	3.64E-07	2.33E-04	7.37E-08	2.14E-08	4.01E-03	1.27E-06	3.68E-07	1.07E-04	3.37E-08	9.79E-09
2317	495061.06, 3860001.99	3.90E-03	1.23E-06	3.58E-07	2.01E-04	6.36E-08	1.85E-08	3.94E-03	1.24E-06	3.61E-07	2.33E-04	7.35E-08	2.14E-08	3.99E-03	1.26E-06	3.66E-07	1.06E-04	3.36E-08	9.76E-09
2318	495111.06, 3860001.99	3.86E-03	1.22E-06	3.54E-07	2.01E-04	6.33E-08	1.84E-08	3.89E-03	1.23E-06	3.57E-07	2.32E-04	7.32E-08	2.13E-08	3.94E-03	1.24E-06	3.62E-07	1.06E-04	3.34E-08	9.73E-09
2319	495161.06, 3860001.99	3.81E-03	1.20E-06	3.50E-07	2.00E-04	6.31E-08	1.83E-08	3.84E-03	1.21E-06	3.53E-07	2.31E-04	7.29E-08	2.12E-08	3.89E-03	1.23E-06	3.57E-07	1.06E-04	3.33E-08	9.69E-09
2320	495211.06, 3860001.99	3.79E-03	1.19E-06	3.47E-07	1.99E-04	6.29E-08	1.83E-08	3.82E-03	1.21E-06	3.51E-07	2.30E-04	7.27E-08	2.11E-08	3.86E-03	1.22E-06	3.55E-07	1.05E-04	3.32E-08	9.66E-09
2321	495261.06, 3860001.99	3.74E-03	1.18E-06	3.44E-07	1.99E-04	6.27E-08	1.82E-08	3.78E-03	1.19E-06	3.47E-07	2.29E-04	7.24E-08	2.11E-08	3.82E-03	1.21E-06	3.51E-07	1.05E-04	3.31E-08	9.63E-09
2322	495311.06, 3860001.99	3.71E-03	1.17E-06	3.40E-07	1.98E-04	6.25E-08	1.82E-08	3.74E-03	1.18E-06	3.44E-07	2.29E-04	7.22E-08	2.10E-08	3.79E-03	1.19E-06	3.48E-07	1.05E-04	3.30E-08	9.59E-09
2323	495361.06, 3860001.99	3.65E-03	1.15E-06	3.35E-07	1.97E-04	6.22E-08	1.81E-08	3.68E-03	1.16E-06	3.38E-07	2.28E-04	7.19E-08	2.09E-08	3.72E-03	1.17E-06	3.42E-07	1.04E-04	3.28E-08	9.55E-09
2324	495411.06, 3860001.99	3.63E-03	1.15E-06	3.34E-07	1.97E-04	6.20E-08	1.80E-08	3.67E-03	1.16E-06	3.37E-07	2.27E-04	7.17E-08	2.09E-08	3.71E-03	1.17E-06	3.40E-07	1.04E-04	3.28E-08	9.53E-09
2325	495461.06, 3860001.99	3.60E-03	1.14E-06	3.30E-07	1.96E-04	6.18E-08	1.80E-08	3.63E-03	1.15E-06	3.33E-07	2.26E-04	7.15E-08	2.08E-08	3.67E-03	1.16E-06	3.37E-07	1.03E-04	3.27E-08	9.50E-09
2326	495511.06, 3860001.99	3.56E-03	1.12E-06	3.27E-07	1.95E-04	6.16E-08	1.79E-08	3.59E-03	1.13E-06	3.30E-07	2.26E-04	7.12E-08	2.07E-08	3.63E-03	1.15E-06	3.33E-07	1.03E-04	3.26E-08	9.47E-09
2327	495561.06, 3860001.99	3.54E-03	1.12E-06	3.25E-07	1.95E-04	6.15E-08	1.79E-08	3.57E-03	1.13E-06	3.28E-07	2.25E-04	7.10E-08	2.07E-08	3.61E-03	1.14E-06	3.31E-07	1.03E-04	3.25E-08	9.45E-09
2328	495611.06, 3860001.99	3.49E-03	1.10E-06	3.21E-07	1.94E-04	6.12E-08	1.78E-08	3.53E-03	1.11E-06	3.24E-07	2.24E-04	7.08E-08	2.06E-08	3.56E-03	1.12E-06	3.27E-07	1.03E-04	3.24E-08	9.41E-09
2329	495661.06, 3860001.99	3.45E-03	1.09E-06	3.17E-07	1.93E-04	6.10E-08	1.78E-08	3.48E-03	1.10E-06	3.20E-07	2.23E-04	7.05E-08	2.05E-08	3.52E-03	1.11E-06	3.23E-07	1.02E-04	3.22E-08	9.38E-09
2330	494411.06, 3860051.99	4.41E-03	1.39E-06	4.04E-07	2.09E-04	6.59E-08	1.92E-08	4.44E-03	1.40E-06	4.08E-07	2.41E-04	7.61E-08	2.21E-08	4.51E-03	1.42E-06	4.14E-07	1.10E-04	3.47E-08	1.01E-08
2331	494461.06, 3860051.99	4.36E-03	1.38E-06	4.00E-07	2.08E-04	6.56E-08	1.91E-08	4.39E-03	1.39E-06	4.03E-07	2.40E-04	7.58E-08	2.21E-08	4.47E-03	1.41E-06	4.10E-07	1.10E-04	3.46E-08	1.01E-08
2332	494511.06, 3860051.99	4.32E-03	1.36E-06	3.96E-07	2.07E-04	6.54E-08	1.90E-08	4.35E-03	1.37E-06	3.99E-07	2.39E-04	7.56E-08	2.20E-08	4.42E-03	1.40E-06	4.06E-07	1.09E-04	3.45E-08	1.00E-08
2333	494561.06, 3860051.99	4.31E-03	1.36E-06	3.96E-07	2.06E-04	6.52E-08	1.90E-08	4.35E-03	1.37E-06	3.99E-07	2.39E-04	7.53E-08	2.19E-08	4.42E-03	1.39E-06	4.06E-07	1.09E-04	3.44E-08	1.00E-08
2334	494611.06, 3860051.99	4.29E-03	1.35E-06	3.94E-07	2.06E-04	6.49E-08	1.89E-08	4.32E-03	1.36E-06	3.97E-07	2.38E-04	7.50E-08	2.18E-08	4.39E-03	1.39E-06	4.03E-07	1.09E-04	3.42E-08	9.96E-09
2335	494661.06, 3860051.99	4.25E-03	1.34E-06	3.91E-07	2.05E-04	6.47E-08	1.88E-08	4.29E-03	1.35E-06	3.94E-07	2.37E-04	7.48E-08	2.17E-08	4.36E-03	1.38E-06	4.00E-07	1.08E-04	3.41E-08	9.93E-09
2336	494711.06, 3860051.99	4.18E-03	1.32E-06	3.84E-07	2.04E-04	6.45E-08	1.87E-08	4.22E-03	1.33E-06	3.87E-07	2.36E-04	7.45E-08	2.17E-08	4.28E-03	1.35E-06	3.93E-07	1.08E-04	3.40E-08	9.89E-09
2337	494761.06, 3860051.99	4.15E-03	1.31E-06	3.81E-07	2.04E-04	6.42E-08	1.87E-08	4.19E-03	1.32E-06	3.85E-07	2.35E-04	7.42E-08	2.16E-08	4.25E-03	1.34E-06	3.90E-07	1.07E-04	3.39E-08	9.86E-09
2338	494811.06, 3860051.99	4.14E-03	1.31E-06	3.80E-07	2.03E-04	6.40E-08	1.86E-08	4.17E-03	1.32E-06	3.83E-07	2.34E-04	7.40E-08	2.15E-08	4.24E-03	1.34E-06	3.89E-07	1.07E-04	3.38E-08	9.82E-09
2339	494861.06, 3860051.99	4.12E-03	1.30E-06	3.78E-07	2.02E-04	6.38E-08	1.86E-08	4.15E-03	1.31E-06	3.81E-07	2.34E-04	7.37E-08	2.14E-08	4.22E-03	1.33E-06	3.87E-07	1.07E-04	3.37E-08	9.79E-09
2340	494911.06, 3860051.99	4.06E-03	1.28E-06	3.73E-07	2.01E-04	6.36E-08	1.85E-08	4.10E-03	1.29E-06	3.76E-07	2.33E-04	7.35E-08	2.14E-08	4.16E-03	1.31E-06	3.82E-07	1.06E-04	3.35E-08	9.76E-09
2341	494961.06, 3860051.99	4.01E-03	1.26E-06	3.68E-07	2.01E-04	6.34E-08	1.84E-08	4.04E-03	1.28E-06	3.71E-07	2.32E-04	7.32E-08	2.13E-08	4.10E-03	1.29E-06	3.76E-07	1.06E-04	3.34E-08	9.72E-09
2342	495011.06, 3860051.99	3.96E-03	1.25E-06	3.63E-07	2.00E-04	6.31E-08	1.84E-08	3.99E-03	1.26E-06	3.66E-07	2.31E-04	7.30E-08	2.12E-08	4.04E-03	1.28E-06	3.71E-07	1.06E-04	3.33E-08	9.69E-09
2343	495061.06, 3860051.99	3.91E-03	1.24E-06	3.59E-07	1.99E-04	6.29E-08	1.83E-08	3.95E-03	1.25E-06	3.63E-07	2.30E-04	7.27E-08	2.12E-08	4.00E-03	1.26E-06	3.67E-07	1.05E-04	3.32E-08	9.66E-09
2344	495111.06, 3860051.99	3.86E-03	1.22E-06	3.54E-07	1.99E-04	6.27E-08	1.82E-08	3.89E-03	1.23E-06	3.58E-07	2.30E-04	7.25E-08	2.11E-08	3.95E-03	1.25E-06	3.62E-07	1.05E-04	3.31E-08	9.63E-09
2345	495161.06, 3860051.99	3.82E-03	1.21E-06	3.51E-07	1.97E-04	6.23E-08	1.81E-08	3.86E-03	1.22E-06	3.54E-07	2.28E-04	7.20E-08	2.09E-08	3.91E-03	1.23E-06	3.59E-07	1.04E-04	3.29E-08	9.56E-09
2346	495211.06, 3860051.99	3.78E-03	1.19E-06	3.47E-07	1.97E-04	6.20E-08	1.80E-08	3.81E-03	1.20E-06	3.50E-07	2.27E-04	7.17E-08	2.09E-08	3.86E-03	1.22E-06	3.54E-07	1.04E-04	3.28E-08	9.53E-09
2347	495261.06, 3860051.99	3.75E-03	1.18E-06	3.44E-07	1.96E-04	6.18E-08	1.80E-08	3.78E-03	1.19E-06	3.47E-07	2.26E-04	7.15E-08	2.08E-08	3.83E-03	1.21E-06	3.51E-07	1.03E-04	3.26E-08	9.50E-09
2348	495311.06, 3860051.99	3.72E-03	1.17E-06	3.42E-07	1.95E-04	6.17E-08	1.79E-08	3.75E-03	1.19E-06	3.45E-07	2.26E-04	7.13E-08	2.07E-08	3.80E-03	1.20E-06	3.49E-07	1.03E-04	3.26E-08	9.47E-09
2349	495361.06, 3860051.99	3.69E-03	1.16E-06	3.39E-07	1.95E-04	6.15E-08	1.79E-08	3.72E-03	1.17E-06	3.42E-07	2.25E-04	7.10E-08	2.07E-08	3.77E-03	1.19E-06	3.46E-07	1.03E-04	3.25E-08	9.44E-09
2350	495411.06, 3860051.99	3.65E-03	1.15E-06	3.36E-07	1.94E-04	6.13E-08	1.78E-08	3.69E-03	1.16E-06	3.39E-07	2.24E-04	7.08E-08	2.06E-08	3.73E-03	1.18E-06	3.42E-07	1.02E-04	3.23E-08	9.41E-09
2351	495461.06, 3860051.99	3.62E-03	1.14E-06	3.32E-07	1.93E-04	6.10E-08	1.78E-08	3.65E-03	1.15E-06	3.35E-07	2.23E-04	7.05E-08	2.05E-08	3.69E-03	1.16E-06	3.39E-07	1.02E-04	3.22E-08	9.37E-09
2352	495511.06, 3860051.99	3.59E-03	1.13E-06	3.29E-07	1.93E-04	6.09E-08	1.77E-08	3.62E-03	1.14E-06	3.32E-07	2.23E-04	7.03E-08	2.05E-08	3.66E-03	1.16E-06	3.36E-07	1.02E-04	3.21E-08	9.35E-09
2353	495561.06, 3860051.99	3.55E-03	1.12E-06	3.26E-07	1.92E-04	6.07E-08	1.76E-08	3.59E-03	1.13E-06	3.29E-07	2.22E-04	7.01E-08	2.04E-08	3.63E-03	1.14E-06	3.33E-07	1.02E-04	3.20E-08	9.32E-09
2354	495611.06, 3860051.99	3.52E-03	1.11E-06	3.23E-07	1.92E-04	6.05E-08	1.76E-08	3.55E-03	1.12E-06	3.26E-07	2.21E-04	6.99E-08	2.03E-08	3.59E-03	1.13E-06	3.29E-07	1.01E-04	3.19E-08	9.29E-09
2355	495661.06, 3860051.99	3.47E-03	1.09E-06	3.18E-07	1.91E-04	6.02E-08	1.75E-08	3.50E-03	1.11E-06	3.21E-07	2.21E-04	6.96E-08	2.02E-08	3.54E-03	1.12E-06	3.25E-07	1.01E-04	3.18E-08	9.25E-09
2356	494411.06, 3860101.99	4.38E-03	1.38E-06	4.02E-07	2.06E-04	6.49E-08	1.89E-08	4.41E-03	1.39E-06	4.05E-07	2.38E-04	7.50E-08	2.18E-08	4.49E-03	1.42E-06	4.12E-07	1.08E-04	3.42E-08	9.96E-09
2357	494461.06, 3860101.99	4.37E-03	1.38E-06	4.01E-07	2.05E-04	6.47E-08	1.88E-08	4.40E-03	1.39E-06	4.04E-07	2.37E-04	7.48E-08	2.17E-08	4.48E-03	1.41E-06	4.11E-07	1.08E-04	3.41E-08	9.92E-09
2358	494511.06, 3860101.99	4.30E-03	1.36E-06	3.95E-07	2.04E-04	6.45E-08	1.87E-08	4.34E-03	1.37E-06	3.98E-07	2.36E-04	7.45E-08	2.17E-08	4.41E-03	1.39E-06	4.05E-07	1.08E-04	3.40E-08	9.89E-09
2359	494561.06, 3860101.99	4.28E-03	1.35E-06	3.93E-07	2.03E-04	6.42E-08	1.87E-08	4.32E-03	1.36E-06	3.96E-07	2.35E-04	7.42E-08	2.16E-08	4.39E-03	1.38E-06	4.03E-07	1.07E-04	3.39E-08	9.85E-09
2360	494611.06, 3860101.99	4.28E-03	1.35E-06	3.93E-07	2.03E-04	6.40E-08	1.86E-08	4.31E-03	1.36E-06	3.96E-07	2.34E-04	7.39E-08	2.15E-08	4.38E-03	1.38E-06	4.02E-07	1.07E-04	3.37E-08	9.81E-09
2361	494661.06, 3860101.99	4.25E-03	1.34E-06	3.90E-07	2.02E-04	6.37E-08	1.85E-08	4.28E-03	1.35E-06	3.93E-07	2.33E-04	7.37E-08	2.14E-08	4.35E-03	1.37E-06	4.00E-07	1.07E-04	3.36E-08	9.78E-09
2362	494711.06, 3860101.99	4.19E-03	1.32E-06	3.85E-07	2.01E-04	6.35E-08	1.85E-08	4.22E-03	1.33E-06	3.88E-07	2.33E-04	7.34E-08	2.14E-08	4.29E-03	1.35E-06	3.94E-07	1.06E-04	3.35E-08	9.75E-09
2363	494761.06, 3860101.99	4.16E-03	1.31E-06	3.82E-07	2.01E-04	6.33E-08	1.84E-08	4.19E-03	1.32E-06	3.85E-07	2.32E-04	7.32E-08	2.13E-08	4.26E-03	1.34E-06	3.91E-07	1.06E-04	3.34E-08	9.71E-09
2364	494811.06, 3860101.99	4.13E-03	1.30E-06	3.79E-07	2.00E-04	6.31E-08	1.83E-08	4.17E-03	1.31E-06	3.82E-07	2.31E-04	7.29E-08	2.12E-08	4.23E-03	1.34E-06	3.88E-07	1.05E-04	3.33E-08	9.68E-09
2365	494861.06, 3860101.99	4.15E-03	1.31E-06	3.81E-07	1.99E-04	6.28E-08	1.83E-08	4.18E-03	1.32E-06	3.84E-07	2.30E-04	7.26E-08	2.11E-08	4.25E-03	1.34E-06	3.90E-07	1.05E-04	3.31E-08	9.64E-09
2366	494911.06, 3860101.99	4.04E-03	1.28E-06	3.71E-07	1.99E-04	6.27E-08	1.82E-08	4.08E-03	1.29E-06	3.74E-07	2.29E-04	7.24E-08	2.11E-08	4.14E-03	1.31E-06	3.80E-07	1.05E-04	3.31E-08	9.61E-09
2367	494961.06, 3860101.99	4.01E-03	1.27E-06	3.68E-07	1.98E-04	6.24E-08	1.82E-08	4.04E-03	1.28E-06	3.71E-07	2.29E-04	7.22E-08	2.10E-08	4.10E-03	1.29E-06	3.77E-07	1.04E-04	3.29E-08	9.58E-09
2368	495011.06, 3860101.99	3.96E-03	1.25E-06	3.64E-07	1.97E-04	6.22E-08	1.81E-08	3.99E-03	1.26E-06	3.67E-07	2.28E-04	7.19E-08	2.09E-08	4.05E-03	1.28E-06	3.72E-07	1.04E-04	3.28E-08	9.55E-09
2369	495061.06, 3860101.99	3.91E-03	1.24E-06	3.59E-07	1.97E-04	6.20E-08	1.80E-08	3.95E-03	1.25E-06	3.62E-07	2.27E-04	7.17E-08	2.09E-08	4.00E-03	1.26E-06	3.68E-07	1.04E-04	3.27E-08	9.52E-09
2370	495111.06, 3860101.99	3.86E-03	1.22E-06	3.54E-07	1.96E-04	6.18E-08	1.80E-08	3.89E-03	1.23E-06	3.57E-07	2.26E-04	7.14E-08	2.08E-08	3.95E-03	1.25E-06	3.62E-07	1.03E-04	3.26E-08	9.49E-09
2371	495161.06, 3860101.99	3.83E-03	1.21E-06	3.52E-07	1.95E-04	6.16E-08	1.79E-08	3.86E-03	1.22E-06	3.55E-07	2.26E-04	7.12E-08	2.07E-08	3.92E-03	1.24E-06	3.60E-07	1.03E-04	3.25E-08	9.46E-09
2372	495211.06, 3860101.99	3.79E-03	1.20E-06	3.48E-07	1.95E-04	6.14E-08	1.79E-08	3.83E-03	1.21E-06	3.51E-07	2.25E-04	7.10E-08	2.06E-08	3.88E-03	1.22E-06	3.56E-07	1.03E-04	3.24E-08	9.43E-09

2373	495261.06, 3860101.99	3.76E-03	1.19E-06	3.45E-07	1.94E-04	6.12E-08	1.78E-08	3.79E-03	1.20E-06	3.48E-07	2.24E-04	7.08E-08	2.06E-08	3.84E-03	1.21E-06	3.52E-07	1.02E-04	3.23E-08	9.40E-09
2374	495311.06, 3860101.99	3.72E-03	1.18E-06	3.42E-07	1.93E-04	6.10E-08	1.78E-08	3.76E-03	1.19E-06	3.45E-07	2.23E-04	7.05E-08	2.05E-08	3.81E-03	1.20E-06	3.49E-07	1.02E-04	3.22E-08	9.37E-09
2375	495361.06, 3860101.99	3.70E-03	1.17E-06	3.40E-07	1.93E-04	6.08E-08	1.77E-08	3.73E-03	1.18E-06	3.43E-07	2.23E-04	7.03E-08	2.05E-08	3.78E-03	1.19E-06	3.47E-07	1.02E-04	3.21E-08	9.34E-09
2376	495411.06, 3860101.99	3.66E-03	1.16E-06	3.36E-07	1.92E-04	6.07E-08	1.76E-08	3.70E-03	1.17E-06	3.39E-07	2.22E-04	7.01E-08	2.04E-08	3.74E-03	1.18E-06	3.44E-07	1.01E-04	3.20E-08	9.31E-09
2377	495461.06, 3860101.99	3.61E-03	1.14E-06	3.32E-07	1.91E-04	6.02E-08	1.75E-08	3.65E-03	1.15E-06	3.35E-07	2.21E-04	6.96E-08	2.03E-08	3.69E-03	1.16E-06	3.39E-07	1.01E-04	3.18E-08	9.25E-09
2378	495511.06, 3860101.99	3.59E-03	1.13E-06	3.30E-07	1.90E-04	6.01E-08	1.75E-08	3.62E-03	1.14E-06	3.33E-07	2.20E-04	6.94E-08	2.02E-08	3.67E-03	1.16E-06	3.37E-07	1.00E-04	3.17E-08	9.22E-09
2379	495561.06, 3860101.99	3.57E-03	1.13E-06	3.28E-07	1.90E-04	5.99E-08	1.74E-08	3.60E-03	1.14E-06	3.31E-07	2.19E-04	6.92E-08	2.01E-08	3.64E-03	1.15E-06	3.34E-07	1.00E-04	3.16E-08	9.20E-09
2380	495611.06, 3860101.99	3.52E-03	1.11E-06	3.23E-07	1.89E-04	5.97E-08	1.74E-08	3.55E-03	1.12E-06	3.26E-07	2.18E-04	6.89E-08	2.01E-08	3.59E-03	1.13E-06	3.30E-07	9.98E-05	3.15E-08	9.16E-09
2381	495661.06, 3860101.99	3.49E-03	1.10E-06	3.20E-07	1.88E-04	5.95E-08	1.73E-08	3.52E-03	1.11E-06	3.23E-07	2.18E-04	6.87E-08	2.00E-08	3.56E-03	1.12E-06	3.27E-07	9.95E-05	3.14E-08	9.13E-09
2382	494861.06, 3860151.99	4.16E-03	1.31E-06	3.82E-07	1.96E-04	6.18E-08	1.80E-08	4.19E-03	1.32E-06	3.85E-07	2.26E-04	7.15E-08	2.08E-08	4.26E-03	1.35E-06	3.92E-07	1.03E-04	3.26E-08	9.48E-09
2383	494911.06, 3860151.99	4.05E-03	1.28E-06	3.72E-07	1.96E-04	6.17E-08	1.80E-08	4.09E-03	1.29E-06	3.75E-07	2.26E-04	7.13E-08	2.08E-08	4.15E-03	1.31E-06	3.81E-07	1.03E-04	3.26E-08	9.47E-09
2384	494961.06, 3860151.99	4.01E-03	1.27E-06	3.68E-07	1.95E-04	6.15E-08	1.79E-08	4.04E-03	1.28E-06	3.71E-07	2.25E-04	7.11E-08	2.07E-08	4.10E-03	1.30E-06	3.77E-07	1.03E-04	3.25E-08	9.44E-09
2385	495011.06, 3860151.99	3.96E-03	1.25E-06	3.64E-07	1.94E-04	6.13E-08	1.78E-08	3.99E-03	1.26E-06	3.67E-07	2.25E-04	7.09E-08	2.06E-08	4.06E-03	1.28E-06	3.72E-07	1.03E-04	3.24E-08	9.41E-09
2386	495061.06, 3860151.99	3.92E-03	1.24E-06	3.59E-07	1.94E-04	6.12E-08	1.78E-08	3.95E-03	1.25E-06	3.62E-07	2.24E-04	7.07E-08	2.06E-08	4.01E-03	1.26E-06	3.68E-07	1.02E-04	3.23E-08	9.38E-09
2387	495111.06, 3860151.99	3.88E-03	1.22E-06	3.56E-07	1.93E-04	6.09E-08	1.77E-08	3.91E-03	1.23E-06	3.59E-07	2.23E-04	7.04E-08	2.05E-08	3.97E-03	1.25E-06	3.64E-07	1.02E-04	3.21E-08	9.35E-09
2388	495161.06, 3860151.99	3.84E-03	1.21E-06	3.53E-07	1.92E-04	6.07E-08	1.77E-08	3.87E-03	1.22E-06	3.56E-07	2.22E-04	7.02E-08	2.04E-08	3.93E-03	1.24E-06	3.61E-07	1.02E-04	3.20E-08	9.32E-09
2389	495211.06, 3860151.99	3.80E-03	1.20E-06	3.49E-07	1.92E-04	6.05E-08	1.76E-08	3.83E-03	1.21E-06	3.52E-07	2.22E-04	7.00E-08	2.04E-08	3.89E-03	1.23E-06	3.57E-07	1.01E-04	3.19E-08	9.29E-09
2390	495261.06, 3860151.99	3.77E-03	1.19E-06	3.46E-07	1.91E-04	6.04E-08	1.76E-08	3.80E-03	1.20E-06	3.49E-07	2.21E-04	6.98E-08	2.03E-08	3.85E-03	1.22E-06	3.54E-07	1.01E-04	3.18E-08	9.26E-09
2391	495311.06, 3860151.99	3.74E-03	1.18E-06	3.43E-07	1.91E-04	6.02E-08	1.75E-08	3.77E-03	1.19E-06	3.46E-07	2.20E-04	6.95E-08	2.02E-08	3.82E-03	1.21E-06	3.51E-07	1.01E-04	3.17E-08	9.23E-09
2392	495361.06, 3860151.99	3.71E-03	1.17E-06	3.40E-07	1.90E-04	6.00E-08	1.74E-08	3.74E-03	1.18E-06	3.43E-07	2.20E-04	6.93E-08	2.02E-08	3.79E-03	1.20E-06	3.48E-07	1.00E-04	3.16E-08	9.20E-09
2393	495411.06, 3860151.99	3.67E-03	1.16E-06	3.37E-07	1.89E-04	5.98E-08	1.74E-08	3.70E-03	1.17E-06	3.40E-07	2.19E-04	6.91E-08	2.01E-08	3.75E-03	1.18E-06	3.44E-07	9.99E-05	3.15E-08	9.18E-09
2394	495461.06, 3860151.99	3.64E-03	1.15E-06	3.34E-07	1.89E-04	5.96E-08	1.73E-08	3.67E-03	1.16E-06	3.37E-07	2.18E-04	6.89E-08	2.00E-08	3.72E-03	1.17E-06	3.41E-07	9.96E-05	3.14E-08	9.15E-09
2395	495511.06, 3860151.99	3.60E-03	1.14E-06	3.30E-07	1.88E-04	5.94E-08	1.73E-08	3.63E-03	1.15E-06	3.33E-07	2.18E-04	6.87E-08	2.00E-08	3.68E-03	1.16E-06	3.38E-07	9.93E-05	3.14E-08	9.12E-09
2396	495561.06, 3860151.99	3.57E-03	1.13E-06	3.28E-07	1.88E-04	5.92E-08	1.72E-08	3.60E-03	1.14E-06	3.31E-07	2.17E-04	6.85E-08	1.99E-08	3.65E-03	1.15E-06	3.35E-07	9.90E-05	3.13E-08	9.09E-09
2397	495611.06, 3860151.99	3.53E-03	1.12E-06	3.24E-07	1.87E-04	5.91E-08	1.72E-08	3.57E-03	1.13E-06	3.27E-07	2.16E-04	6.83E-08	1.99E-08	3.61E-03	1.14E-06	3.31E-07	9.88E-05	3.12E-08	9.07E-09
2398	495661.06, 3860151.99	3.49E-03	1.10E-06	3.21E-07	1.87E-04	5.89E-08	1.71E-08	3.53E-03	1.11E-06	3.24E-07	2.16E-04	6.81E-08	1.98E-08	3.57E-03	1.13E-06	3.27E-07	9.85E-05	3.11E-08	9.04E-09
2399	495718.25, 3859442.96	2.97E-03	9.39E-07	2.73E-07	2.08E-04	6.55E-08	1.91E-08	3.01E-03	9.50E-07	2.76E-07	2.40E-04	7.57E-08	2.20E-08	3.00E-03	9.47E-07	2.75E-07	1.10E-04	3.47E-08	1.01E-08
2400	495818.25, 3859442.96	2.90E-03	9.16E-07	2.67E-07	2.05E-04	6.46E-08	1.88E-08	2.94E-03	9.27E-07	2.70E-07	2.36E-04	7.46E-08	2.17E-08	2.93E-03	9.24E-07	2.69E-07	1.08E-04	3.42E-08	9.96E-09
2401	495918.25, 3859442.96	2.85E-03	9.00E-07	2.62E-07	2.02E-04	6.39E-08	1.86E-08	2.89E-03	9.11E-07	2.65E-07	2.34E-04	7.38E-08	2.15E-08	2.87E-03	9.07E-07	2.64E-07	1.07E-04	3.39E-08	9.86E-09
2402	496018.25, 3859442.96	2.81E-03	8.86E-07	2.58E-07	2.01E-04	6.34E-08	1.84E-08	2.84E-03	8.96E-07	2.61E-07	2.32E-04	7.32E-08	2.13E-08	2.83E-03	8.92E-07	2.60E-07	1.06E-04	3.36E-08	9.77E-09
2403	496118.25, 3859442.96	2.82E-03	8.89E-07	2.59E-07	2.02E-04	6.37E-08	1.85E-08	2.85E-03	8.99E-07	2.62E-07	2.33E-04	7.36E-08	2.14E-08	2.84E-03	8.95E-07	2.60E-07	1.07E-04	3.38E-08	9.83E-09
2404	496218.25, 3859442.96	2.82E-03	8.89E-07	2.59E-07	2.03E-04	6.39E-08	1.86E-08	2.85E-03	9.00E-07	2.62E-07	2.34E-04	7.38E-08	2.15E-08	2.84E-03	8.96E-07	2.61E-07	1.07E-04	3.39E-08	9.86E-09
2405	496318.25, 3859442.96	2.78E-03	8.77E-07	2.55E-07	2.01E-04	6.35E-08	1.85E-08	2.81E-03	8.88E-07	2.58E-07	2.32E-04	7.33E-08	2.13E-08	2.80E-03	8.83E-07	2.57E-07	1.07E-04	3.37E-08	9.79E-09
2406	496418.25, 3859442.96	2.74E-03	8.64E-07	2.51E-07	2.00E-04	6.30E-08	1.83E-08	2.77E-03	8.75E-07	2.54E-07	2.31E-04	7.28E-08	2.12E-08	2.76E-03	8.70E-07	2.53E-07	1.06E-04	3.34E-08	9.71E-09
2407	495718.25, 3859542.96	3.07E-03	9.70E-07	2.82E-07	2.08E-04	6.55E-08	1.91E-08	3.11E-03	9.81E-07	2.85E-07	2.40E-04	7.56E-08	2.20E-08	3.11E-03	9.80E-07	2.85E-07	1.10E-04	3.47E-08	1.01E-08
2408	495818.25, 3859542.96	3.02E-03	9.52E-07	2.77E-07	2.05E-04	6.48E-08	1.89E-08	3.05E-03	9.63E-07	2.80E-07	2.37E-04	7.49E-08	2.18E-08	3.05E-03	9.62E-07	2.80E-07	1.09E-04	3.44E-08	9.99E-09
2409	495918.25, 3859542.96	2.95E-03	9.31E-07	2.71E-07	2.03E-04	6.40E-08	1.86E-08	2.98E-03	9.42E-07	2.74E-07	2.34E-04	7.39E-08	2.15E-08	2.98E-03	9.40E-07	2.73E-07	1.08E-04	3.39E-08	9.87E-09
2410	496018.25, 3859542.96	2.89E-03	9.13E-07	2.66E-07	2.01E-04	6.33E-08	1.84E-08	2.93E-03	9.24E-07	2.69E-07	2.32E-04	7.32E-08	2.13E-08	2.92E-03	9.22E-07	2.68E-07	1.06E-04	3.36E-08	9.76E-09
2411	496118.25, 3859542.96	2.90E-03	9.15E-07	2.66E-07	2.01E-04	6.35E-08	1.85E-08	2.93E-03	9.26E-07	2.69E-07	2.32E-04	7.33E-08	2.13E-08	2.93E-03	9.24E-07	2.69E-07	1.07E-04	3.36E-08	9.79E-09
2412	496218.25, 3859542.96	2.89E-03	9.12E-07	2.65E-07	2.01E-04	6.35E-08	1.85E-08	2.92E-03	9.23E-07	2.68E-07	2.32E-04	7.33E-08	2.13E-08	2.92E-03	9.20E-07	2.68E-07	1.07E-04	3.36E-08	9.78E-09
2413	496318.25, 3859542.96	2.87E-03	9.05E-07	2.63E-07	2.00E-04	6.32E-08	1.84E-08	2.90E-03	9.16E-07	2.66E-07	2.31E-04	7.30E-08	2.12E-08	2.89E-03	9.13E-07	2.66E-07	1.06E-04	3.35E-08	9.75E-09
2414	496418.25, 3859542.96	2.81E-03	8.88E-07	2.58E-07	1.98E-04	6.26E-08	1.82E-08	2.85E-03	8.98E-07	2.61E-07	2.29E-04	7.23E-08	2.10E-08	2.84E-03	8.95E-07	2.60E-07	1.05E-04	3.32E-08	9.65E-09
2415	495718.25, 3859642.96	3.16E-03	9.96E-07	2.90E-07	2.06E-04	6.50E-08	1.89E-08	3.19E-03	1.01E-06	2.93E-07	2.38E-04	7.51E-08	2.18E-08	3.19E-03	1.01E-06	2.93E-07	1.09E-04	3.44E-08	1.00E-08
2416	495818.25, 3859642.96	3.09E-03	9.75E-07	2.83E-07	2.04E-04	6.43E-08	1.87E-08	3.12E-03	9.86E-07	2.87E-07	2.35E-04	7.42E-08	2.16E-08	3.12E-03	9.86E-07	2.87E-07	1.08E-04	3.40E-08	9.90E-09
2417	495918.25, 3859642.96	3.04E-03	9.60E-07	2.79E-07	2.02E-04	6.38E-08	1.85E-08	3.08E-03	9.71E-07	2.82E-07	2.33E-04	7.36E-08	2.14E-08	3.08E-03	9.71E-07	2.82E-07	1.07E-04	3.38E-08	9.82E-09
2418	496018.25, 3859642.96	2.98E-03	9.41E-07	2.74E-07	2.00E-04	6.31E-08	1.84E-08	3.02E-03	9.52E-07	2.77E-07	2.31E-04	7.29E-08	2.12E-08	3.01E-03	9.51E-07	2.77E-07	1.06E-04	3.34E-08	9.72E-09
2419	496118.25, 3859642.96	3.00E-03	9.45E-07	2.75E-07	2.00E-04	6.32E-08	1.84E-08	3.03E-03	9.56E-07	2.78E-07	2.31E-04	7.30E-08	2.12E-08	3.03E-03	9.56E-07	2.78E-07	1.06E-04	3.35E-08	9.74E-09
2420	496218.25, 3859642.96	2.99E-03	9.44E-07	2.74E-07	2.00E-04	6.31E-08	1.84E-08	3.02E-03	9.54E-07	2.78E-07	2.31E-04	7.29E-08	2.12E-08	3.02E-03	9.54E-07	2.77E-07	1.06E-04	3.34E-08	9.72E-09
2421	496318.25, 3859642.96	2.94E-03	9.28E-07	2.70E-07	1.98E-04	6.26E-08	1.82E-08	2.97E-03	9.39E-07	2.73E-07	2.29E-04	7.23E-08	2.10E-08	2.97E-03	9.38E-07	2.73E-07	1.05E-04	3.32E-08	9.64E-09
2422	496418.25, 3859642.96	2.80E-03	8.82E-07	2.57E-07	1.93E-04	6.10E-08	1.77E-08	2.83E-03	8.93E-07	2.60E-07	2.23E-04	7.04E-08	2.05E-08	2.82E-03	8.91E-07	2.59E-07	1.02E-04	3.23E-08	9.39E-09
2423	495718.25, 3859742.96	3.26E-03	1.03E-06	2.99E-07	2.04E-04	6.44E-08	1.87E-08	3.30E-03	1.04E-06	3.03E-07	2.36E-04	7.44E-08	2.16E-08	3.31E-03	1.04E-06	3.04E-07	1.08E-04	3.41E-08	9.91E-09
2424	495818.25, 3859742.96	3.18E-03	1.00E-06	2.92E-07	2.02E-04	6.37E-08	1.85E-08	3.21E-03	1.01E-06	2.95E-07	2.33E-04	7.36E-08	2.14E-08	3.22E-03	1.02E-06	2.96E-07	1.07E-04	3.37E-08	9.80E-09
2425	495918.25, 3859742.96	3.12E-03	9.85E-07	2.86E-07	2.00E-04	6.31E-08	1.84E-08	3.15E-03	9.96E-07	2.90E-07	2.31E-04	7.29E-08	2.12E-08	3.16E-03	9.98E-07	2.90E-07	1.06E-04	3.34E-08	9.72E-09
2426	496018.25, 3859742.96	3.06E-03	9.65E-07	2.81E-07	1.98E-04	6.25E-08	1.82E-08	3.09E-03	9.76E-07	2.84E-07	2.29E-04	7.22E-08	2.10E-08	3.10E-03	9.77E-07	2.84E-07	1.05E-04	3.31E-08	9.62E-09
2427	496118.25, 3859742.96	3.06E-03	9.66E-07	2.81E-07	1.98E-04	6.24E-08	1.82E-08	3.09E-03	9.76E-07	2.84E-07	2.28E-04	7.21E-08	2.10E-08	3.10E-03	9.78E-07	2.84E-07	1.05E-04	3.30E-08	9.61E-09
2428	496218.25, 3859742.96	3.07E-03	9.70E-07	2.82E-07	1.98E-04	6.24E-08	1.82E-08	3.11E-03	9.81E-07	2.85E-07	2.28E-04	7.21E-08	2.10E-08	3.11E-03	9.83E-07	2.86E-07	1.05E-04	3.30E-08	9.61E-09
2429	496318.25, 3859742.96	2.94E-03	9.29E-07	2.70E-07	1.94E-04	6.12E-08	1.78E-08	2.98E-03	9.40E-07	2.73E-07	2.24E-04	7.07E-08	2.06E-08	2.98E-03	9.40E-07	2.73E-07	1.03E-04	3.24E-08	9.43E-09
2430	496418.25, 3859742.96	2.83E-03	8.93E-07	2.60E-07	1.91E-04	6.02E-08	1.75E-08	2.86E-03	9.03E-07	2.63E-07	2.20E-04	6.95E-08	2.02E-08	2.86E-03	9.03E-07	2.63E-07	1.01E-04	3.19E-08	9.26E-09
2431	495718.25, 3859842.96	3.34E-03	1.05E-06	3.06E-07	2.00E-04	6.32E-08	1.84E-08	3.37E-03	1.06E-06	3.09E-07	2.31E-04	7.30E-08	2.12E-08	3.39E-03	1.07E-06	3.11E-07	1.06E-04	3.34E-08	9.72E-09
2432	495818.25, 3859842.96	3.27E-03	1.03E-06	3.00E-07	1.99E-04	6.27E-08	1.82E-08	3.31E-03	1.04E-06	3.03E-07	2.30E-04	7.25E-08	2.11E-08	3.32E-03	1.05E-06	3.05E-07	1.05E-04	3.32E-08	9.65E-09
2433	495918.25, 3859842.96	3.21E-03	1.01E-06	2.94E-07	1.97E-04	6.22E-08	1.81E-08	3.24E-03	1.02E-06	2.97E-07	2.28E-04	7.19E-08	2.09E-08	3.25E-03	1.03E-06	2.99E-07	1.04E-04	3.29E-08	9.57E-09
2434	496018.25, 3859842.96	3.16E-03	9.99E-07	2.91E-07	1.96E-04	6.18E-08	1.80E-08	3.20E-03	1.01E-06	2.94E-07	2.26E-04	7.14E-08	2.08E-08	3.21E-03	1.01E-06	2.95E-07	1.04E-04	3.27E-08	9.51E-09
2435	496118.25, 3859842.96	3.18E-03	1.01E-06	2.92E-07	1.96E-04	6.18E-08	1.80E-08	3.22E-03	1.02E-06	2.95E-07	2.26E-04	7.14E-08	2.08E-08	3.23E-03	1.02E-06	2.97E-07	1.04E-04	3.27E-08	9.50E-09
2436	496218.25, 3859842.96	3.06E-03	9.66E-07	2.81E-07	1.93E-04	6.09E-08	1.77E-08	3.09E-03	9.76E-07	2.84E-07	2.23E-04	7.03E-08	2.05E-08	3.10E-03	9.79E-07	2.85E-07	1.02E-04	3.22E-08	9.37E-09
2437	496318.25, 3859842.96	2.84E-03	8.97E-07	2.61E-07	1.87E-04	5.90E-08	1.72E-08	2.87E-03	9.07E-07	2.64E-07	2.16E-04	6.82E-08	1.98E-08	2.87E-03	9.07E-07	2.64E-07	9.90E-05	3.13E-08	9.09E-09
2438	496418.25, 3859842.96	2.70E-03	8.52E-07	2.48E-07	1.82E-04	5.75E-08	1.67E-08	2.73E-03	8.62E-07	2.51E-07	2.10E-04	6.64E-08	1.93E-08	2.73E-03	8.61E-07	2.51E-07	9.65E-05	3.04E-08	8.86E-09

2439	495718.25, 3859942.96	3.39E-03	1.07E-06	3.11E-07	1.96E-04	6.17E-08	1.80E-08	3.42E-03	1.08E-06	3.14E-07	2.26E-04	7.13E-08	2.07E-08	3.45E-03	1.09E-06	3.17E-07	1.03E-04	3.26E-08	9.49E-09
2440	495818.25, 3859942.96	3.32E-03	1.05E-06	3.05E-07	1.94E-04	6.13E-08	1.78E-08	3.35E-03	1.06E-06	3.08E-07	2.24E-04	7.08E-08	2.06E-08	3.38E-03	1.07E-06	3.10E-07	1.03E-04	3.24E-08	9.43E-09
2441	495918.25, 3859942.96	3.27E-03	1.03E-06	3.00E-07	1.93E-04	6.09E-08	1.77E-08	3.30E-03	1.04E-06	3.03E-07	2.23E-04	7.04E-08	2.05E-08	3.32E-03	1.05E-06	3.05E-07	1.02E-04	3.22E-08	9.37E-09
2442	496018.25, 3859942.96	3.26E-03	1.03E-06	2.99E-07	1.92E-04	6.07E-08	1.77E-08	3.29E-03	1.04E-06	3.02E-07	2.22E-04	7.02E-08	2.04E-08	3.32E-03	1.05E-06	3.04E-07	1.02E-04	3.21E-08	9.34E-09
2443	496118.25, 3859942.96	3.16E-03	9.97E-07	2.90E-07	1.91E-04	6.01E-08	1.75E-08	3.19E-03	1.01E-06	2.93E-07	2.20E-04	6.95E-08	2.02E-08	3.21E-03	1.01E-06	2.95E-07	1.01E-04	3.18E-08	9.25E-09
2444	496218.25, 3859942.96	3.01E-03	9.49E-07	2.76E-07	1.88E-04	5.92E-08	1.72E-08	3.04E-03	9.59E-07	2.79E-07	2.17E-04	6.84E-08	1.99E-08	3.05E-03	9.63E-07	2.80E-07	9.92E-05	3.13E-08	9.11E-09
2445	496318.25, 3859942.96	2.86E-03	9.02E-07	2.62E-07	1.84E-04	5.80E-08	1.69E-08	2.89E-03	9.12E-07	2.65E-07	2.12E-04	6.70E-08	1.95E-08	2.89E-03	9.13E-07	2.66E-07	9.73E-05	3.07E-08	8.93E-09
2446	496418.25, 3859942.96	2.67E-03	8.42E-07	2.45E-07	1.78E-04	5.61E-08	1.63E-08	2.70E-03	8.52E-07	2.48E-07	2.05E-04	6.48E-08	1.89E-08	2.70E-03	8.52E-07	2.48E-07	9.42E-05	2.97E-08	8.64E-09
2447	496856.82, 3858864.83	2.16E-03	6.81E-07	1.98E-07	1.84E-04	5.81E-08	1.69E-08	2.19E-03	6.91E-07	2.01E-07	2.13E-04	6.71E-08	1.95E-08	2.15E-03	6.80E-07	1.98E-07	9.78E-05	3.09E-08	8.98E-09
2448	496956.82, 3858864.83	2.12E-03	6.70E-07	1.95E-07	1.82E-04	5.74E-08	1.67E-08	2.15E-03	6.80E-07	1.98E-07	2.10E-04	6.62E-08	1.93E-08	2.12E-03	6.68E-07	1.94E-07	9.66E-05	3.05E-08	8.87E-09
2449	497056.82, 3858864.83	2.09E-03	6.59E-07	1.92E-07	1.80E-04	5.67E-08	1.65E-08	2.12E-03	6.69E-07	1.94E-07	2.07E-04	6.54E-08	1.90E-08	2.08E-03	6.57E-07	1.91E-07	9.54E-05	3.01E-08	8.76E-09
2450	497156.82, 3858864.83	2.05E-03	6.46E-07	1.88E-07	1.77E-04	5.58E-08	1.62E-08	2.08E-03	6.56E-07	1.91E-07	2.04E-04	6.44E-08	1.87E-08	2.04E-03	6.44E-07	1.87E-07	9.38E-05	2.96E-08	8.62E-09
2451	497256.82, 3858864.83	2.03E-03	6.41E-07	1.86E-07	1.76E-04	5.56E-08	1.62E-08	2.06E-03	6.50E-07	1.89E-07	2.03E-04	6.42E-08	1.87E-08	2.02E-03	6.39E-07	1.86E-07	9.36E-05	2.95E-08	8.59E-09
2452	496856.82, 3858964.83	2.23E-03	7.04E-07	2.05E-07	1.87E-04	5.90E-08	1.72E-08	2.26E-03	7.14E-07	2.08E-07	2.16E-04	6.81E-08	1.98E-08	2.23E-03	7.03E-07	2.05E-07	9.93E-05	3.13E-08	9.12E-09
2453	496956.82, 3858964.83	2.18E-03	6.88E-07	2.00E-07	1.83E-04	5.79E-08	1.68E-08	2.21E-03	6.98E-07	2.03E-07	2.12E-04	6.69E-08	1.94E-08	2.18E-03	6.87E-07	2.00E-07	9.75E-05	3.08E-08	8.95E-09
2454	497056.82, 3858964.83	2.14E-03	6.76E-07	1.97E-07	1.81E-04	5.71E-08	1.66E-08	2.17E-03	6.86E-07	2.00E-07	2.09E-04	6.59E-08	1.92E-08	2.14E-03	6.75E-07	1.96E-07	9.61E-05	3.03E-08	8.82E-09
2455	497156.82, 3858964.83	2.10E-03	6.64E-07	1.93E-07	1.78E-04	5.63E-08	1.64E-08	2.13E-03	6.74E-07	1.96E-07	2.06E-04	6.50E-08	1.89E-08	2.10E-03	6.63E-07	1.93E-07	9.47E-05	2.99E-08	8.70E-09
2456	497256.82, 3858964.83	2.11E-03	6.67E-07	1.94E-07	1.80E-04	5.69E-08	1.66E-08	2.14E-03	6.77E-07	1.97E-07	2.08E-04	6.57E-08	1.91E-08	2.11E-03	6.65E-07	1.94E-07	9.57E-05	3.02E-08	8.79E-09
2457	496856.82, 3859064.83	2.28E-03	7.18E-07	2.09E-07	1.87E-04	5.90E-08	1.72E-08	2.31E-03	7.28E-07	2.12E-07	2.16E-04	6.82E-08	1.98E-08	2.28E-03	7.18E-07	2.09E-07	9.93E-05	3.14E-08	9.12E-09
2458	496956.82, 3859064.83	2.23E-03	7.05E-07	2.05E-07	1.84E-04	5.82E-08	1.69E-08	2.26E-03	7.14E-07	2.08E-07	2.13E-04	6.72E-08	1.95E-08	2.23E-03	7.04E-07	2.05E-07	9.79E-05	3.09E-08	8.99E-09
2459	497056.82, 3859064.83	2.20E-03	6.93E-07	2.02E-07	1.82E-04	5.75E-08	1.67E-08	2.23E-03	7.03E-07	2.04E-07	2.10E-04	6.64E-08	1.93E-08	2.20E-03	6.93E-07	2.02E-07	9.68E-05	3.05E-08	8.88E-09
2460	497156.82, 3859064.83	2.17E-03	6.83E-07	1.99E-07	1.80E-04	5.70E-08	1.66E-08	2.20E-03	6.93E-07	2.02E-07	2.08E-04	6.58E-08	1.91E-08	2.16E-03	6.83E-07	1.99E-07	9.58E-05	3.02E-08	8.80E-09
2461	497256.82, 3859064.83	2.19E-03	6.92E-07	2.01E-07	1.84E-04	5.80E-08	1.69E-08	2.22E-03	7.02E-07	2.04E-07	2.12E-04	6.70E-08	1.95E-08	2.19E-03	6.91E-07	2.01E-07	9.76E-05	3.08E-08	8.96E-09
2462	496856.82, 3859164.83	2.29E-03	7.24E-07	2.11E-07	1.85E-04	5.84E-08	1.70E-08	2.33E-03	7.34E-07	2.13E-07	2.14E-04	6.74E-08	1.96E-08	2.30E-03	7.25E-07	2.11E-07	9.82E-05	3.10E-08	9.02E-09
2463	496956.82, 3859164.83	2.25E-03	7.09E-07	2.06E-07	1.82E-04	5.75E-08	1.67E-08	2.28E-03	7.19E-07	2.09E-07	2.10E-04	6.64E-08	1.93E-08	2.25E-03	7.10E-07	2.06E-07	9.67E-05	3.05E-08	8.88E-09
2464	497056.82, 3859164.83	2.23E-03	7.02E-07	2.04E-07	1.81E-04	5.72E-08	1.66E-08	2.26E-03	7.12E-07	2.07E-07	2.09E-04	6.61E-08	1.92E-08	2.23E-03	7.03E-07	2.04E-07	9.62E-05	3.04E-08	8.83E-09
2465	497156.82, 3859164.83	2.23E-03	7.04E-07	2.05E-07	1.83E-04	5.77E-08	1.68E-08	2.26E-03	7.14E-07	2.08E-07	2.11E-04	6.66E-08	1.94E-08	2.23E-03	7.04E-07	2.05E-07	9.70E-05	3.06E-08	8.90E-09
2466	497256.82, 3859164.83	2.27E-03	7.17E-07	2.08E-07	1.87E-04	5.89E-08	1.71E-08	2.30E-03	7.27E-07	2.11E-07	2.16E-04	6.81E-08	1.98E-08	2.27E-03	7.17E-07	2.08E-07	9.91E-05	3.13E-08	9.10E-09
2467	496856.82, 3859264.83	2.29E-03	7.24E-07	2.10E-07	1.81E-04	5.73E-08	1.67E-08	2.32E-03	7.33E-07	2.13E-07	2.10E-04	6.61E-08	1.92E-08	2.30E-03	7.25E-07	2.11E-07	9.63E-05	3.04E-08	8.84E-09
2468	496956.82, 3859264.83	2.28E-03	7.20E-07	2.09E-07	1.81E-04	5.73E-08	1.67E-08	2.31E-03	7.29E-07	2.12E-07	2.10E-04	6.61E-08	1.92E-08	2.28E-03	7.21E-07	2.10E-07	9.63E-05	3.04E-08	8.84E-09
2469	497056.82, 3859264.83	2.29E-03	7.22E-07	2.10E-07	1.83E-04	5.78E-08	1.68E-08	2.32E-03	7.32E-07	2.13E-07	2.11E-04	6.67E-08	1.94E-08	2.29E-03	7.24E-07	2.10E-07	9.72E-05	3.07E-08	8.92E-09
2470	497156.82, 3859264.83	2.29E-03	7.24E-07	2.11E-07	1.84E-04	5.82E-08	1.69E-08	2.32E-03	7.34E-07	2.13E-07	2.13E-04	6.72E-08	1.95E-08	2.30E-03	7.25E-07	2.11E-07	9.78E-05	3.09E-08	8.98E-09
2471	497256.82, 3859264.83	2.33E-03	7.34E-07	2.14E-07	1.87E-04	5.91E-08	1.72E-08	2.36E-03	7.44E-07	2.16E-07	2.16E-04	6.83E-08	1.99E-08	2.33E-03	7.35E-07	2.14E-07	9.94E-05	3.14E-08	9.13E-09
2472	497088.92, 3858620.93	1.92E-03	6.06E-07	1.76E-07	1.72E-04	5.42E-08	1.58E-08	1.95E-03	6.15E-07	1.79E-07	1.98E-04	6.25E-08	1.82E-08	1.91E-03	6.02E-07	1.75E-07	9.13E-05	2.88E-08	8.38E-09
2473	497138.92, 3858620.93	1.91E-03	6.04E-07	1.76E-07	1.72E-04	5.42E-08	1.58E-08	1.94E-03	6.13E-07	1.78E-07	1.98E-04	6.25E-08	1.82E-08	1.90E-03	6.00E-07	1.75E-07	9.12E-05	2.88E-08	8.38E-09
2474	497188.92, 3858620.93	1.89E-03	5.98E-07	1.74E-07	1.70E-04	5.36E-08	1.56E-08	1.92E-03	6.07E-07	1.77E-07	1.96E-04	6.18E-08	1.80E-08	1.88E-03	5.95E-07	1.73E-07	9.02E-05	2.85E-08	8.28E-09
2475	497238.92, 3858620.93	1.88E-03	5.95E-07	1.73E-07	1.69E-04	5.34E-08	1.55E-08	1.91E-03	6.03E-07	1.76E-07	1.95E-04	6.16E-08	1.79E-08	1.87E-03	5.91E-07	1.72E-07	8.99E-05	2.84E-08	8.25E-09
2476	497088.92, 3858670.93	1.93E-03	6.08E-07	1.77E-07	1.71E-04	5.38E-08	1.57E-08	1.96E-03	6.18E-07	1.80E-07	1.97E-04	6.21E-08	1.81E-08	1.92E-03	6.06E-07	1.76E-07	9.07E-05	2.86E-08	8.32E-09
2477	497138.92, 3858670.93	1.93E-03	6.09E-07	1.77E-07	1.71E-04	5.41E-08	1.57E-08	1.96E-03	6.19E-07	1.80E-07	1.98E-04	6.25E-08	1.82E-08	1.92E-03	6.06E-07	1.76E-07	9.11E-05	2.88E-08	8.37E-09
2478	497188.92, 3858670.93	1.91E-03	6.04E-07	1.76E-07	1.70E-04	5.37E-08	1.56E-08	1.94E-03	6.13E-07	1.78E-07	1.96E-04	6.20E-08	1.80E-08	1.90E-03	6.01E-07	1.75E-07	9.04E-05	2.85E-08	8.30E-09
2479	497238.92, 3858670.93	1.91E-03	6.02E-07	1.75E-07	1.70E-04	5.37E-08	1.56E-08	1.94E-03	6.11E-07	1.78E-07	1.96E-04	6.19E-08	1.80E-08	1.90E-03	5.99E-07	1.74E-07	9.04E-05	2.85E-08	8.30E-09
2480	497088.92, 3858720.93	1.98E-03	6.23E-07	1.81E-07	1.74E-04	5.49E-08	1.60E-08	2.00E-03	6.33E-07	1.84E-07	2.01E-04	6.34E-08	1.84E-08	1.97E-03	6.21E-07	1.81E-07	9.25E-05	2.92E-08	8.49E-09
2481	497138.92, 3858720.93	1.93E-03	6.10E-07	1.77E-07	1.70E-04	5.36E-08	1.56E-08	1.96E-03	6.19E-07	1.80E-07	1.96E-04	6.18E-08	1.80E-08	1.92E-03	6.07E-07	1.77E-07	9.02E-05	2.85E-08	8.28E-09
2482	497188.92, 3858720.93	1.92E-03	6.06E-07	1.76E-07	1.69E-04	5.33E-08	1.55E-08	1.95E-03	6.15E-07	1.79E-07	1.95E-04	6.16E-08	1.79E-08	1.91E-03	6.04E-07	1.76E-07	8.98E-05	2.83E-08	8.25E-09
2483	497238.92, 3858720.93	1.94E-03	6.12E-07	1.78E-07	1.72E-04	5.42E-08	1.58E-08	1.97E-03	6.21E-07	1.81E-07	1.98E-04	6.25E-08	1.82E-08	1.93E-03	6.09E-07	1.77E-07	9.12E-05	2.88E-08	8.37E-09
2484	497088.92, 3858770.93	2.00E-03	6.30E-07	1.83E-07	1.74E-04	5.50E-08	1.60E-08	2.03E-03	6.39E-07	1.86E-07	2.01E-04	6.35E-08	1.85E-08	1.99E-03	6.28E-07	1.83E-07	9.26E-05	2.92E-08	8.50E-09
2485	497138.92, 3858770.93	1.98E-03	6.24E-07	1.81E-07	1.73E-04	5.45E-08	1.59E-08	2.01E-03	6.33E-07	1.84E-07	1.99E-04	6.30E-08	1.83E-08	1.97E-03	6.21E-07	1.81E-07	9.18E-05	2.90E-08	8.43E-09
2486	497188.92, 3858770.93	1.96E-03	6.20E-07	1.80E-07	1.72E-04	5.44E-08	1.58E-08	1.99E-03	6.29E-07	1.83E-07	1.99E-04	6.28E-08	1.83E-08	1.96E-03	6.17E-07	1.80E-07	9.16E-05	2.89E-08	8.41E-09
2487	497238.92, 3858770.93	1.97E-03	6.21E-07	1.81E-07	1.73E-04	5.46E-08	1.59E-08	2.00E-03	6.30E-07	1.83E-07	2.00E-04	6.30E-08	1.83E-08	1.96E-03	6.18E-07	1.80E-07	9.19E-05	2.90E-08	8.44E-09
2488	497396.65, 3858622.63	1.93E-03	6.10E-07	1.78E-07	1.77E-04	5.58E-08	1.62E-08	1.96E-03	6.20E-07	1.80E-07	2.04E-04	6.44E-08	1.87E-08	1.92E-03	6.06E-07	1.76E-07	9.39E-05	2.96E-08	8.62E-09
2489	497496.65, 3858622.63	1.96E-03	6.19E-07	1.80E-07	1.81E-04	5.70E-08	1.66E-08	1.99E-03	6.28E-07	1.83E-07	2.09E-04	6.58E-08	1.91E-08	1.95E-03	6.14E-07	1.79E-07	9.59E-05	3.03E-08	8.81E-09
2490	497596.65, 3858622.63	2.02E-03	6.38E-07	1.86E-07	1.88E-04	5.94E-08	1.73E-08	2.05E-03	6.48E-07	1.88E-07	2.17E-04	6.86E-08	2.00E-08	2.01E-03	6.33E-07	1.84E-07	1.00E-04	3.16E-08	9.18E-09
2491	497696.65, 3858622.63	2.03E-03	6.42E-07	1.87E-07	1.90E-04	6.00E-08	1.74E-08	2.06E-03	6.52E-07	1.90E-07	2.19E-04	6.92E-08	2.01E-08	2.02E-03	6.37E-07	1.85E-07	1.01E-04	3.18E-08	9.26E-09
2492	497796.65, 3858622.63	2.07E-03	6.52E-07	1.90E-07	1.94E-04	6.13E-08	1.78E-08	2.10E-03	6.63E-07	1.93E-07	2.24E-04	7.08E-08	2.06E-08	2.05E-03	6.47E-07	1.88E-07	1.03E-04	3.25E-08	9.46E-09
2493	497896.65, 3858622.63	2.10E-03	6.64E-07	1.93E-07	1.98E-04	6.26E-08	1.82E-08	2.14E-03	6.75E-07	1.96E-07	2.29E-04	7.23E-08	2.10E-08	2.09E-03	6.59E-07	1.92E-07	1.05E-04	3.32E-08	9.66E-09
2494	497396.65, 3858722.63	2.00E-03	6.32E-07	1.84E-07	1.80E-04	5.69E-08	1.65E-08	2.03E-03	6.41E-07	1.86E-07	2.08E-04	6.57E-08	1.91E-08	1.99E-03	6.28E-07	1.83E-07	9.57E-05	3.02E-08	8.78E-09
2495	497496.65, 3858722.63	2.03E-03	6.41E-07	1.86E-07	1.84E-04	5.81E-08	1.69E-08	2.06E-03	6.51E-07	1.89E-07	2.13E-04	6.71E-08	1.95E-08	2.02E-03	6.37E-07	1.85E-07	9.78E-05	3.09E-08	8.98E-09
2496	497596.65, 3858722.63	2.09E-03	6.59E-07	1.92E-07	1.91E-04	6.02E-08	1.75E-08	2.12E-03	6.69E-07	1.95E-07	2.20E-04	6.96E-08	2.02E-08	2.07E-03	6.55E-07	1.90E-07	1.01E-04	3.20E-08	9.30E-09
2497	497696.65, 3858722.63	2.12E-03	6.68E-07	1.94E-07	1.95E-04	6.14E-08	1.79E-08	2.15E-03	6.79E-07	1.97E-07	2.25E-04	7.09E-08	2.06E-08	2.10E-03	6.64E-07	1.93E-07	1.03E-04	3.26E-08	9.47E-09
2498	497796.65, 3858722.63	2.13E-03	6.72E-07	1.95E-07	1.96E-04	6.20E-08	1.80E-08	2.16E-03	6.82E-07	1.99E-07	2.27E-04	7.16E-08	2.08E-08	2.11E-03	6.67E-07	1.94E-07	1.04E-04	3.29E-08	9.56E-09
2499	497896.65, 3858722.63	2.15E-03	6.80E-07	1.98E-07	1.99E-04	6.28E-08	1.83E-08	2.19E-03	6.90E-07	2.01E-07	2.30E-04	7.26E-08	2.11E-08	2.14E-03	6.75E-07	1.96E-07	1.06E-04	3.33E-08	9.69E-09
2500	497396.65, 3858822.63	2.05E-03	6.48E-07	1.89E-07	1.82E-04	5.73E-08	1.67E-08	2.08E-03	6.58E-07	1.91E-07	2.10E-04	6.61E-08	1.92E-08	2.05E-03	6.46E-07	1.88E-07	9.64E-05	3.04E-08	8.85E-09
2501	497496.65, 3858822.63	2.08E-03	6.56E-07	1.91E-07	1.85E-04	5.84E-08	1.70E-08	2.11E-03	6.66E-07	1.94E-07	2.13E-04	6.74E-08	1.96E-08	2.07E-03	6.53E-07	1.90E-07	9.81E-05	3.10E-08	9.01E-09
2502	497596.65, 3858822.63	2.15E-03	6.79E-07	1.98E-07	1.93E-04	6.09E-08	1.77E-08	2.18E-03	6.89E-07	2.01E-07	2.23E-04	7.04E-08	2.05E-08	2.14E-03	6.76E-07	1.97E-07	1.02E-04	3.23E-08	9.41E-09
2503	497696.65, 3858822.63	2.17E-03	6.85E-07	1.99E-07	1.95E-04	6.15E-08	1.79E-08	2.20E-03	6.95E-07	2.02E-07	2.25E-04	7.11E-08	2.07E-08	2.16E-03	6.81E-07	1.98E-07	1.03E-04	3.26E-08	9.50E-09
2504	497796.65, 3858822.63	2.18E-03	6.89E-07	2.00E-07	1.97E-04	6.22E-08	1.81E-08	2.22E-03	6.99E-07	2.03E-07	2.28E-04	7.19E-08	2.09E-08	2.17E-03	6.85E-07	1.99E-07	1.05E-04	3.30E-08	9.60E-09

2505 497896.65, 3858822.63	2.23E-03	7.04E-07	2.05E-07	2.01E-04	6.35E-08	1.85E-08	2.26E-03	7.15E-07	2.08E-07	2.33E-04	7.34E-08	2.13E-08	2.22E-03	7.00E-07	2.04E-07	1.07E-04	3.37E-08	9.80E-09
2506 497396.65, 3858922.63	2.11E-03	6.66E-07	1.94E-07	1.83E-04	5.77E-08	1.68E-08	2.14E-03	6.75E-07	1.96E-07	2.11E-04	6.67E-08	1.94E-08	2.10E-03	6.64E-07	1.93E-07	9.71E-05	3.07E-08	8.92E-09
2507 497496.65, 3858922.63	2.17E-03	6.85E-07	1.99E-07	1.89E-04	5.98E-08	1.74E-08	2.20E-03	6.95E-07	2.02E-07	2.19E-04	6.90E-08	2.01E-08	2.16E-03	6.83E-07	1.99E-07	1.00E-04	3.17E-08	9.23E-09
2508 497596.65, 3858922.63	2.16E-03	6.82E-07	1.98E-07	1.89E-04	5.98E-08	1.74E-08	2.19E-03	6.92E-07	2.01E-07	2.19E-04	6.90E-08	2.01E-08	2.15E-03	6.79E-07	1.98E-07	1.00E-04	3.17E-08	9.22E-09
2509 497696.65, 3858922.63	2.24E-03	7.06E-07	2.05E-07	1.97E-04	6.21E-08	1.81E-08	2.27E-03	7.17E-07	2.08E-07	2.27E-04	7.17E-08	2.09E-08	2.23E-03	7.03E-07	2.05E-07	1.04E-04	3.29E-08	9.58E-09
2510 497796.65, 3858922.63	2.27E-03	7.17E-07	2.08E-07	2.00E-04	6.30E-08	1.83E-08	2.30E-03	7.27E-07	2.12E-07	2.30E-04	7.27E-08	2.12E-08	2.26E-03	7.14E-07	2.08E-07	1.06E-04	3.34E-08	9.72E-09
2511 497896.65, 3858922.63	2.34E-03	7.39E-07	2.15E-07	2.05E-04	6.47E-08	1.88E-08	2.38E-03	7.50E-07	2.18E-07	2.37E-04	7.48E-08	2.17E-08	2.33E-03	7.36E-07	2.14E-07	1.09E-04	3.43E-08	9.99E-09
2512 497364.44, 3858201.52	1.77E-03	5.58E-07	1.62E-07	1.69E-04	5.34E-08	1.55E-08	1.80E-03	5.67E-07	1.65E-07	1.95E-04	6.16E-08	1.79E-08	1.75E-03	5.52E-07	1.61E-07	9.01E-05	2.84E-08	8.27E-09
2513 497414.44, 3858201.52	1.78E-03	5.63E-07	1.64E-07	1.72E-04	5.43E-08	1.58E-08	1.81E-03	5.72E-07	1.66E-07	1.98E-04	6.26E-08	1.82E-08	1.77E-03	5.57E-07	1.62E-07	9.16E-05	2.89E-08	8.41E-09
2514 497464.44, 3858201.52	1.79E-03	5.66E-07	1.65E-07	1.74E-04	5.48E-08	1.59E-08	1.82E-03	5.76E-07	1.67E-07	2.00E-04	6.32E-08	1.84E-08	1.77E-03	5.60E-07	1.63E-07	9.24E-05	2.92E-08	8.48E-09
2515 497514.44, 3858201.52	1.79E-03	5.66E-07	1.65E-07	1.74E-04	5.48E-08	1.59E-08	1.82E-03	5.75E-07	1.67E-07	2.00E-04	6.32E-08	1.84E-08	1.77E-03	5.60E-07	1.63E-07	9.24E-05	2.92E-08	8.48E-09
2516 497564.44, 3858201.52	1.79E-03	5.63E-07	1.64E-07	1.73E-04	5.46E-08	1.59E-08	1.81E-03	5.73E-07	1.67E-07	1.99E-04	6.30E-08	1.83E-08	1.77E-03	5.57E-07	1.62E-07	9.20E-05	2.90E-08	8.45E-09
2517 497614.44, 3858201.52	1.79E-03	5.64E-07	1.64E-07	1.73E-04	5.47E-08	1.59E-08	1.81E-03	5.73E-07	1.67E-07	2.00E-04	6.31E-08	1.84E-08	1.77E-03	5.57E-07	1.62E-07	9.22E-05	2.91E-08	8.47E-09
2518 497364.44, 3858251.52	1.80E-03	5.69E-07	1.65E-07	1.72E-04	5.43E-08	1.58E-08	1.83E-03	5.78E-07	1.68E-07	1.99E-04	6.27E-08	1.82E-08	1.78E-03	5.63E-07	1.64E-07	9.17E-05	2.89E-08	8.41E-09
2519 497414.44, 3858251.52	1.82E-03	5.74E-07	1.67E-07	1.75E-04	5.51E-08	1.60E-08	1.85E-03	5.84E-07	1.70E-07	2.02E-04	6.36E-08	1.85E-08	1.80E-03	5.68E-07	1.65E-07	9.30E-05	2.93E-08	8.54E-09
2520 497464.44, 3858251.52	1.81E-03	5.70E-07	1.66E-07	1.73E-04	5.47E-08	1.59E-08	1.83E-03	5.79E-07	1.68E-07	2.00E-04	6.31E-08	1.84E-08	1.79E-03	5.64E-07	1.64E-07	9.23E-05	2.91E-08	8.47E-09
2521 497514.44, 3858251.52	1.79E-03	5.64E-07	1.64E-07	1.72E-04	5.41E-08	1.57E-08	1.82E-03	5.73E-07	1.67E-07	1.98E-04	6.25E-08	1.82E-08	1.77E-03	5.58E-07	1.62E-07	9.13E-05	2.88E-08	8.38E-09
2522 497564.44, 3858251.52	1.78E-03	5.62E-07	1.63E-07	1.71E-04	5.40E-08	1.57E-08	1.81E-03	5.71E-07	1.66E-07	1.97E-04	6.23E-08	1.81E-08	1.76E-03	5.56E-07	1.62E-07	9.10E-05	2.87E-08	8.36E-09
2523 497614.44, 3858251.52	1.77E-03	5.60E-07	1.63E-07	1.71E-04	5.38E-08	1.57E-08	1.80E-03	5.69E-07	1.65E-07	1.97E-04	6.21E-08	1.81E-08	1.76E-03	5.54E-07	1.61E-07	9.08E-05	2.86E-08	8.33E-09
2524 497364.44, 3858301.52	1.82E-03	5.73E-07	1.67E-07	1.73E-04	5.45E-08	1.59E-08	1.85E-03	5.83E-07	1.69E-07	1.99E-04	6.29E-08	1.83E-08	1.80E-03	5.68E-07	1.65E-07	9.19E-05	2.90E-08	8.44E-09
2525 497414.44, 3858301.52	1.83E-03	5.77E-07	1.68E-07	1.74E-04	5.50E-08	1.60E-08	1.86E-03	5.86E-07	1.70E-07	2.01E-04	6.34E-08	1.85E-08	1.81E-03	5.71E-07	1.66E-07	9.27E-05	2.93E-08	8.51E-09
2526 497464.44, 3858301.52	1.81E-03	5.71E-07	1.66E-07	1.72E-04	5.44E-08	1.58E-08	1.84E-03	5.80E-07	1.69E-07	1.99E-04	6.28E-08	1.83E-08	1.79E-03	5.65E-07	1.64E-07	9.17E-05	2.89E-08	8.42E-09
2527 497514.44, 3858301.52	1.80E-03	5.67E-07	1.65E-07	1.71E-04	5.40E-08	1.57E-08	1.82E-03	5.76E-07	1.68E-07	1.98E-04	6.23E-08	1.81E-08	1.78E-03	5.61E-07	1.63E-07	9.11E-05	2.87E-08	8.36E-09
2528 497564.44, 3858301.52	1.78E-03	5.61E-07	1.63E-07	1.69E-04	5.34E-08	1.55E-08	1.81E-03	5.70E-07	1.66E-07	1.95E-04	6.16E-08	1.79E-08	1.76E-03	5.55E-07	1.62E-07	9.01E-05	2.84E-08	8.27E-09
2529 497614.44, 3858301.52	1.77E-03	5.58E-07	1.62E-07	1.69E-04	5.32E-08	1.55E-08	1.80E-03	5.67E-07	1.65E-07	1.95E-04	6.14E-08	1.79E-08	1.75E-03	5.53E-07	1.61E-07	8.98E-05	2.83E-08	8.24E-09
2530 497364.44, 3858351.52	1.84E-03	5.80E-07	1.69E-07	1.73E-04	5.48E-08	1.59E-08	1.87E-03	5.89E-07	1.71E-07	2.00E-04	6.32E-08	1.84E-08	1.82E-03	5.74E-07	1.67E-07	9.23E-05	2.91E-08	8.47E-09
2531 497414.44, 3858351.52	1.82E-03	5.76E-07	1.67E-07	1.72E-04	5.44E-08	1.58E-08	1.85E-03	5.85E-07	1.70E-07	1.99E-04	6.28E-08	1.83E-08	1.81E-03	5.70E-07	1.66E-07	9.17E-05	2.89E-08	8.42E-09
2532 497464.44, 3858351.52	1.82E-03	5.74E-07	1.67E-07	1.72E-04	5.43E-08	1.58E-08	1.85E-03	5.83E-07	1.69E-07	1.98E-04	6.26E-08	1.82E-08	1.80E-03	5.68E-07	1.65E-07	9.15E-05	2.89E-08	8.40E-09
2533 497514.44, 3858351.52	1.81E-03	5.70E-07	1.66E-07	1.71E-04	5.40E-08	1.57E-08	1.84E-03	5.79E-07	1.68E-07	1.97E-04	6.23E-08	1.81E-08	1.79E-03	5.65E-07	1.64E-07	9.10E-05	2.87E-08	8.35E-09
2534 497564.44, 3858351.52	1.78E-03	5.63E-07	1.64E-07	1.69E-04	5.32E-08	1.55E-08	1.81E-03	5.72E-07	1.66E-07	1.95E-04	6.14E-08	1.79E-08	1.77E-03	5.58E-07	1.62E-07	8.98E-05	2.83E-08	8.24E-09
2535 497614.44, 3858351.52	1.78E-03	5.61E-07	1.63E-07	1.68E-04	5.31E-08	1.54E-08	1.80E-03	5.70E-07	1.66E-07	1.94E-04	6.13E-08	1.78E-08	1.76E-03	5.55E-07	1.62E-07	8.95E-05	2.82E-08	8.21E-09
2536 497364.44, 3858401.52	1.84E-03	5.80E-07	1.69E-07	1.72E-04	5.43E-08	1.58E-08	1.87E-03	5.89E-07	1.71E-07	1.99E-04	6.27E-08	1.82E-08	1.82E-03	5.75E-07	1.67E-07	9.16E-05	2.89E-08	8.41E-09
2537 497414.44, 3858401.52	1.83E-03	5.77E-07	1.68E-07	1.71E-04	5.41E-08	1.57E-08	1.86E-03	5.86E-07	1.70E-07	1.98E-04	6.24E-08	1.82E-08	1.81E-03	5.72E-07	1.66E-07	9.12E-05	2.88E-08	8.37E-09
2538 497464.44, 3858401.52	1.81E-03	5.73E-07	1.67E-07	1.70E-04	5.37E-08	1.56E-08	1.84E-03	5.82E-07	1.69E-07	1.96E-04	6.20E-08	1.80E-08	1.80E-03	5.68E-07	1.65E-07	9.05E-05	2.86E-08	8.31E-09
2539 497514.44, 3858401.52	1.81E-03	5.70E-07	1.66E-07	1.70E-04	5.35E-08	1.56E-08	1.83E-03	5.79E-07	1.68E-07	1.96E-04	6.18E-08	1.80E-08	1.79E-03	5.65E-07	1.64E-07	9.02E-05	2.85E-08	8.28E-09
2540 497564.44, 3858401.52	1.82E-03	5.74E-07	1.67E-07	1.71E-04	5.41E-08	1.57E-08	1.85E-03	5.83E-07	1.70E-07	1.98E-04	6.24E-08	1.82E-08	1.80E-03	5.68E-07	1.65E-07	9.12E-05	2.88E-08	8.37E-09
2541 497614.44, 3858401.52	1.83E-03	5.78E-07	1.68E-07	1.74E-04	5.49E-08	1.60E-08	1.86E-03	5.87E-07	1.71E-07	2.01E-04	6.33E-08	1.84E-08	1.81E-03	5.73E-07	1.67E-07	9.25E-05	2.92E-08	8.49E-09
2542 493478.11, 3860497.94	4.98E-03	1.57E-06	4.57E-07	1.78E-04	5.62E-08	1.63E-08	5.01E-03	1.58E-06	4.60E-07	2.06E-04	6.50E-08	1.89E-08	5.14E-03	1.62E-06	4.72E-07	9.38E-05	2.96E-08	8.61E-09
2543 493528.11, 3860497.94	4.93E-03	1.56E-06	4.53E-07	1.79E-04	5.64E-08	1.64E-08	4.96E-03	1.57E-06	4.56E-07	2.06E-04	6.51E-08	1.89E-08	5.09E-03	1.61E-06	4.67E-07	9.41E-05	2.97E-08	8.64E-09
2544 493478.11, 3860547.94	4.89E-03	1.54E-06	4.49E-07	1.73E-04	5.46E-08	1.59E-08	4.92E-03	1.55E-06	4.51E-07	2.00E-04	6.31E-08	1.84E-08	5.05E-03	1.59E-06	4.63E-07	9.11E-05	2.88E-08	8.37E-09
2545 493528.11, 3860547.94	4.85E-03	1.53E-06	4.45E-07	1.73E-04	5.47E-08	1.59E-08	4.88E-03	1.54E-06	4.48E-07	2.01E-04	6.33E-08	1.84E-08	5.01E-03	1.58E-06	4.60E-07	9.14E-05	2.88E-08	8.39E-09
2546 493478.11, 3860597.94	4.80E-03	1.51E-06	4.41E-07	1.68E-04	5.30E-08	1.54E-08	4.83E-03	1.52E-06	4.43E-07	1.94E-04	6.13E-08	1.78E-08	4.96E-03	1.56E-06	4.55E-07	8.85E-05	2.79E-08	8.13E-09
2547 493528.11, 3860597.94	4.76E-03	1.50E-06	4.37E-07	1.69E-04	5.32E-08	1.55E-08	4.79E-03	1.51E-06	4.39E-07	1.95E-04	6.15E-08	1.79E-08	4.91E-03	1.55E-06	4.51E-07	8.88E-05	2.80E-08	8.15E-09
2548 493561.88, 3860524.64	4.86E-03	1.53E-06	4.46E-07	1.76E-04	5.56E-08	1.62E-08	4.89E-03	1.54E-06	4.48E-07	2.04E-04	6.43E-08	1.87E-08	5.01E-03	1.58E-06	4.60E-07	9.28E-05	2.93E-08	8.52E-09
2549 493591.88, 3860524.64	4.83E-03	1.52E-06	4.43E-07	1.77E-04	5.57E-08	1.62E-08	4.86E-03	1.53E-06	4.46E-07	2.04E-04	6.44E-08	1.87E-08	4.98E-03	1.57E-06	4.57E-07	9.31E-05	2.94E-08	8.54E-09
2550 493561.88, 3860554.64	4.81E-03	1.52E-06	4.41E-07	1.73E-04	5.47E-08	1.59E-08	4.84E-03	1.53E-06	4.44E-07	2.00E-04	6.32E-08	1.84E-08	4.96E-03	1.57E-06	4.56E-07	9.12E-05	2.88E-08	8.37E-09
2551 493591.88, 3860554.64	4.78E-03	1.51E-06	4.38E-07	1.74E-04	5.48E-08	1.60E-08	4.81E-03	1.52E-06	4.41E-07	2.01E-04	6.34E-08	1.84E-08	4.93E-03	1.56E-06	4.53E-07	9.15E-05	2.89E-08	8.40E-09
2552 492880.5, 3860293.11	6.07E-03	1.92E-06	5.58E-07	1.90E-04	6.01E-08	1.75E-08	6.11E-03	1.93E-06	5.61E-07	2.20E-04	6.94E-08	2.02E-08	6.29E-03	1.98E-06	5.77E-07	1.00E-04	3.17E-08	9.22E-09
2553 492930.5, 3860293.11	6.00E-03	1.89E-06	5.51E-07	1.92E-04	6.05E-08	1.76E-08	6.03E-03	1.90E-06	5.54E-07	2.21E-04	6.99E-08	2.03E-08	6.21E-03	1.96E-06	5.70E-07	1.01E-04	3.19E-08	9.28E-09
2554 492980.5, 3860293.11	5.92E-03	1.87E-06	5.44E-07	1.93E-04	6.08E-08	1.77E-08	5.96E-03	1.88E-06	5.47E-07	2.23E-04	7.03E-08	2.05E-08	6.13E-03	1.93E-06	5.63E-07	1.02E-04	3.21E-08	9.34E-09
2555 493030.5, 3860293.11	5.82E-03	1.84E-06	5.34E-07	1.95E-04	6.15E-08	1.79E-08	5.85E-03	1.85E-06	5.37E-07	2.25E-04	7.11E-08	2.07E-08	6.01E-03	1.90E-06	5.52E-07	1.03E-04	3.24E-08	9.43E-09
2556 493080.5, 3860293.11	5.67E-03	1.79E-06	5.20E-07	1.97E-04	6.21E-08	1.81E-08	5.70E-03	1.80E-06	5.24E-07	2.27E-04	7.17E-08	2.09E-08	5.86E-03	1.85E-06	5.38E-07	1.04E-04	3.27E-08	9.52E-09
2557 493130.5, 3860293.11	5.67E-03	1.79E-06	5.20E-07	1.97E-04	6.21E-08	1.81E-08	5.70E-03	1.80E-06	5.23E-07	2.27E-04	7.17E-08	2.09E-08	5.85E-03	1.85E-06	5.37E-07	1.04E-04	3.27E-08	9.52E-09
2558 493180.5, 3860293.11	5.64E-03	1.78E-06	5.18E-07	1.97E-04	6.20E-08	1.80E-08	5.67E-03	1.79E-06	5.21E-07	2.27E-04	7.17E-08	2.09E-08	5.83E-03	1.84E-06	5.35E-07	1.04E-04	3.27E-08	9.51E-09
2559 493230.5, 3860293.11	5.59E-03	1.76E-06	5.13E-07	1.97E-04	6.22E-08	1.81E-08	5.62E-03	1.77E-06	5.16E-07	2.28E-04	7.19E-08	2.09E-08	5.77E-03	1.82E-06	5.30E-07	1.04E-04	3.28E-08	9.53E-09
2560 493280.5, 3860293.11	5.50E-03	1.74E-06	5.05E-07	1.98E-04	6.25E-08	1.82E-08	5.54E-03	1.75E-06	5.08E-07	2.29E-04	7.22E-08	2.10E-08	5.68E-03	1.79E-06	5.21E-07	1.04E-04	3.29E-08	9.58E-09
2561 493330.5, 3860293.11	5.43E-03	1.71E-06	4.99E-07	1.99E-04	6.27E-08	1.82E-08	5.47E-03	1.73E-06	5.02E-07	2.30E-04	7.25E-08	2.11E-08	5.61E-03	1.77E-06	5.15E-07	1.05E-04	3.30E-08	9.61E-09
2562 493380.5, 3860293.11	5.37E-03	1.69E-06	4.93E-07	1.99E-04	6.28E-08	1.83E-08	5.40E-03	1.71E-06	4.96E-07	2.30E-04	7.26E-08	2.11E-08	5.54E-03	1.75E-06	5.09E-07	1.05E-04	3.31E-08	9.63E-09
2563 492880.5, 3860343.11	5.97E-03	1.88E-06	5.48E-07	1.84E-04	5.82E-08	1.69E-08	6.00E-03	1.89E-06	5.51E-07	2.13E-04	6.72E-08	1.96E-08	6.18E-03	1.95E-06	5.67E-07	9.72E-05	3.07E-08	8.93E-09
2564 492930.5, 3860343.11	5.90E-03	1.86E-06	5.42E-07	1.85E-04	5.85E-08	1.70E-08	5.93E-03	1.87E-06	5.45E-07	2.14E-04	6.76E-08	1.97E-08	6.11E-03	1.93E-06	5.61E-07	9.78E-05	3.09E-08	8.98E-09
2565 492980.5, 3860343.11	5.81E-03	1.83E-06	5.33E-07	1.88E-04	5.92E-08	1.72E-08	5.84E-03	1.84E-06	5.36E-07	2.17E-04	6.85E-08	1.99E-08	6.01E-03	1.90E-06	5.52E-07	9.90E-05	3.12E-08	9.09E-09
2566 493030.5, 3860343.11	5.74E-03	1.81E-06	5.27E-07	1.89E-04	5.95E-08	1.73E-08	5.77E-03	1.82E-06	5.30E-07	2.18E-04	6.88E-08	2.00E-08	5.94E-03	1.87E-06	5.45E-07	9.95E-05	3.14E-08	9.13E-09
2567 493080.5, 3860343.11	5.63E-03	1.78E-06	5.17E-07	1.91E-04	6.01E-08	1.75E-08	5.66E-03	1.79E-06	5.20E-07	2.20E-04	6.95E-08	2.02E-08	5.82E-03	1.84E-06	5.34E-07	1.00E-04	3.17E-08	9.22E-09
2568 493130.5, 3860343.11	5.58E-03	1.76E-06	5.13E-07	1.91E-04	6.03E-08	1.75E-08	5.62E-03	1.77E-06	5.16E-07	2.21E-04	6.97E-08	2.03E-08	5.77E-03	1.82E-06	5.30E-07	1.01E-04	3.18E-08	9.25E-09
2569 493180.5, 3860343.11	5.56E-03	1.75E-06	5.10E-07	1.91E-04	6.03E-08	1.75E-08	5.59E-03	1.76E-06	5.13E-07	2.21E-04	6.96E-08	2.03E-08	5.75E-03	1.81E-06	5.27E-07	1.01E-04	3.18E-08	9.24E-09
2570 493230.5, 3860343.11	5.50E-03	1.74E-06	5.05E-07	1.91E-04	6.04E-08	1.76E-08	5.54E-03	1.75E-06	5.08E-07	2.21E-04	6.99E-08	2.03E-08	5.69E-03	1.79E-06	5.22E-07	1.01E-04	3.19E-08	9.27E-09

2571 493280.5, 3860343.11	5.43E-03	1.71E-06	4.98E-07	1.93E-04	6.08E-08	1.77E-08	5.46E-03	1.72E-06	5.01E-07	2.23E-04	7.03E-08	2.04E-08	5.60E-03	1.77E-06	5.14E-07	1.02E-04	3.21E-08	9.32E-09
2572 493330.5, 3860343.11	5.36E-03	1.69E-06	4.92E-07	1.93E-04	6.11E-08	1.78E-08	5.39E-03	1.70E-06	4.95E-07	2.24E-04	7.06E-08	2.05E-08	5.53E-03	1.74E-06	5.08E-07	1.02E-04	3.22E-08	9.36E-09
2573 493380.5, 3860343.11	5.30E-03	1.67E-06	4.86E-07	1.94E-04	6.12E-08	1.78E-08	5.33E-03	1.68E-06	4.89E-07	2.24E-04	7.08E-08	2.06E-08	5.47E-03	1.73E-06	5.02E-07	1.02E-04	3.23E-08	9.39E-09
2574 492880.5, 3860393.11	5.86E-03	1.85E-06	5.38E-07	1.78E-04	5.63E-08	1.64E-08	5.89E-03	1.86E-06	5.41E-07	2.06E-04	6.51E-08	1.89E-08	6.07E-03	1.92E-06	5.57E-07	9.41E-05	2.97E-08	8.64E-09
2575 492930.5, 3860393.11	5.79E-03	1.83E-06	5.32E-07	1.80E-04	5.67E-08	1.65E-08	5.82E-03	1.84E-06	5.34E-07	2.08E-04	6.56E-08	1.91E-08	6.00E-03	1.89E-06	5.51E-07	9.48E-05	2.99E-08	8.70E-09
2576 492980.5, 3860393.11	5.72E-03	1.81E-06	5.25E-07	1.81E-04	5.73E-08	1.67E-08	5.75E-03	1.81E-06	5.28E-07	2.10E-04	6.62E-08	1.92E-08	5.92E-03	1.87E-06	5.44E-07	9.57E-05	3.02E-08	8.78E-09
2577 493030.5, 3860393.11	5.65E-03	1.78E-06	5.19E-07	1.83E-04	5.77E-08	1.68E-08	5.68E-03	1.79E-06	5.21E-07	2.11E-04	6.67E-08	1.94E-08	5.85E-03	1.85E-06	5.37E-07	9.64E-05	3.04E-08	8.85E-09
2578 493080.5, 3860393.11	5.55E-03	1.75E-06	5.10E-07	1.85E-04	5.83E-08	1.70E-08	5.58E-03	1.76E-06	5.13E-07	2.14E-04	6.74E-08	1.96E-08	5.74E-03	1.81E-06	5.27E-07	9.74E-05	3.07E-08	8.94E-09
2579 493130.5, 3860393.11	5.51E-03	1.74E-06	5.06E-07	1.85E-04	5.84E-08	1.70E-08	5.54E-03	1.75E-06	5.09E-07	2.14E-04	6.75E-08	1.96E-08	5.70E-03	1.80E-06	5.23E-07	9.76E-05	3.08E-08	8.96E-09
2580 493180.5, 3860393.11	5.47E-03	1.73E-06	5.03E-07	1.85E-04	5.84E-08	1.70E-08	5.51E-03	1.74E-06	5.06E-07	2.14E-04	6.75E-08	1.96E-08	5.66E-03	1.79E-06	5.20E-07	9.76E-05	3.08E-08	8.96E-09
2581 493230.5, 3860393.11	5.42E-03	1.71E-06	4.97E-07	1.86E-04	5.87E-08	1.71E-08	5.45E-03	1.72E-06	5.00E-07	2.15E-04	6.78E-08	1.97E-08	5.60E-03	1.77E-06	5.14E-07	9.80E-05	3.09E-08	9.00E-09
2582 493280.5, 3860393.11	5.35E-03	1.69E-06	4.91E-07	1.87E-04	5.91E-08	1.72E-08	5.38E-03	1.70E-06	4.94E-07	2.16E-04	6.83E-08	1.99E-08	5.52E-03	1.74E-06	5.07E-07	9.87E-05	3.12E-08	9.06E-09
2583 493330.5, 3860393.11	5.28E-03	1.67E-06	4.85E-07	1.88E-04	5.94E-08	1.73E-08	5.31E-03	1.68E-06	4.88E-07	2.18E-04	6.87E-08	2.00E-08	5.45E-03	1.72E-06	5.00E-07	9.92E-05	3.13E-08	9.11E-09
2584 493380.5, 3860393.11	5.22E-03	1.65E-06	4.79E-07	1.89E-04	5.96E-08	1.73E-08	5.25E-03	1.66E-06	4.82E-07	2.18E-04	6.89E-08	2.00E-08	5.39E-03	1.70E-06	4.95E-07	9.96E-05	3.14E-08	9.14E-09
2585 492880.5, 3860443.11	5.75E-03	1.81E-06	5.27E-07	1.73E-04	5.46E-08	1.59E-08	5.78E-03	1.82E-06	5.30E-07	2.00E-04	6.31E-08	1.84E-08	5.95E-03	1.88E-06	5.47E-07	9.13E-05	2.88E-08	8.38E-09
2586 492930.5, 3860443.11	5.68E-03	1.79E-06	5.22E-07	1.74E-04	5.49E-08	1.60E-08	5.71E-03	1.80E-06	5.25E-07	2.01E-04	6.34E-08	1.85E-08	5.89E-03	1.86E-06	5.41E-07	9.17E-05	2.90E-08	8.42E-09
2587 492980.5, 3860443.11	5.62E-03	1.77E-06	5.16E-07	1.75E-04	5.54E-08	1.61E-08	5.65E-03	1.78E-06	5.19E-07	2.03E-04	6.40E-08	1.86E-08	5.82E-03	1.84E-06	5.34E-07	9.25E-05	2.92E-08	8.49E-09
2588 493030.5, 3860443.11	5.55E-03	1.75E-06	5.10E-07	1.77E-04	5.58E-08	1.62E-08	5.58E-03	1.76E-06	5.13E-07	2.04E-04	6.45E-08	1.88E-08	5.75E-03	1.81E-06	5.28E-07	9.32E-05	2.94E-08	8.56E-09
2589 493080.5, 3860443.11	5.49E-03	1.73E-06	5.04E-07	1.78E-04	5.61E-08	1.63E-08	5.52E-03	1.74E-06	5.07E-07	2.06E-04	6.49E-08	1.89E-08	5.68E-03	1.79E-06	5.22E-07	9.38E-05	2.96E-08	8.61E-09
2590 493130.5, 3860443.11	5.43E-03	1.72E-06	4.99E-07	1.79E-04	5.65E-08	1.64E-08	5.46E-03	1.72E-06	5.02E-07	2.07E-04	6.52E-08	1.90E-08	5.62E-03	1.77E-06	5.16E-07	9.43E-05	2.98E-08	8.66E-09
2591 493180.5, 3860443.11	5.39E-03	1.70E-06	4.95E-07	1.79E-04	5.65E-08	1.64E-08	5.42E-03	1.71E-06	4.97E-07	2.07E-04	6.53E-08	1.90E-08	5.57E-03	1.76E-06	5.11E-07	9.44E-05	2.98E-08	8.67E-09
2592 493230.5, 3860443.11	5.32E-03	1.68E-06	4.89E-07	1.81E-04	5.70E-08	1.66E-08	5.35E-03	1.69E-06	4.91E-07	2.09E-04	6.59E-08	1.92E-08	5.50E-03	1.74E-06	5.05E-07	9.52E-05	3.00E-08	8.74E-09
2593 493280.5, 3860443.11	5.26E-03	1.66E-06	4.83E-07	1.82E-04	5.73E-08	1.67E-08	5.29E-03	1.67E-06	4.86E-07	2.10E-04	6.63E-08	1.93E-08	5.44E-03	1.72E-06	4.99E-07	9.58E-05	3.02E-08	8.79E-09
2594 493330.5, 3860443.11	5.20E-03	1.64E-06	4.77E-07	1.83E-04	5.78E-08	1.68E-08	5.23E-03	1.65E-06	4.80E-07	2.12E-04	6.68E-08	1.94E-08	5.37E-03	1.69E-06	4.93E-07	9.64E-05	3.04E-08	8.85E-09
2595 493380.5, 3860443.11	5.15E-03	1.62E-06	4.73E-07	1.83E-04	5.79E-08	1.68E-08	5.18E-03	1.63E-06	4.75E-07	2.12E-04	6.69E-08	1.95E-08	5.32E-03	1.68E-06	4.88E-07	9.67E-05	3.05E-08	8.88E-09
2596 493180.5, 3860493.11	5.29E-03	1.67E-06	4.85E-07	1.74E-04	5.49E-08	1.60E-08	5.32E-03	1.68E-06	4.88E-07	2.01E-04	6.34E-08	1.84E-08	5.47E-03	1.73E-06	5.02E-07	9.16E-05	2.89E-08	8.41E-09
2597 493230.5, 3860493.11	5.23E-03	1.65E-06	4.80E-07	1.75E-04	5.52E-08	1.61E-08	5.26E-03	1.66E-06	4.83E-07	2.02E-04	6.39E-08	1.86E-08	5.41E-03	1.71E-06	4.96E-07	9.23E-05	2.91E-08	8.47E-09
2598 493280.5, 3860493.11	5.17E-03	1.63E-06	4.75E-07	1.76E-04	5.56E-08	1.62E-08	5.20E-03	1.64E-06	4.78E-07	2.04E-04	6.43E-08	1.87E-08	5.35E-03	1.69E-06	4.91E-07	9.29E-05	2.93E-08	8.53E-09
2599 493330.5, 3860493.11	5.12E-03	1.62E-06	4.70E-07	1.77E-04	5.60E-08	1.63E-08	5.15E-03	1.62E-06	4.73E-07	2.05E-04	6.47E-08	1.88E-08	5.29E-03	1.67E-06	4.85E-07	9.34E-05	2.95E-08	8.58E-09
2600 493380.5, 3860493.11	5.07E-03	1.60E-06	4.65E-07	1.78E-04	5.61E-08	1.63E-08	5.10E-03	1.61E-06	4.68E-07	2.06E-04	6.49E-08	1.89E-08	5.24E-03	1.65E-06	4.81E-07	9.37E-05	2.96E-08	8.60E-09
2601 493330.5, 3860543.11	5.03E-03	1.59E-06	4.61E-07	1.72E-04	5.43E-08	1.58E-08	5.06E-03	1.60E-06	4.64E-07	1.99E-04	6.28E-08	1.83E-08	5.20E-03	1.64E-06	4.77E-07	9.06E-05	2.86E-08	8.32E-09
2602 493380.5, 3860543.11	4.98E-03	1.57E-06	4.57E-07	1.73E-04	5.45E-08	1.58E-08	5.01E-03	1.58E-06	4.60E-07	2.00E-04	6.30E-08	1.83E-08	5.15E-03	1.62E-06	4.73E-07	9.09E-05	2.87E-08	8.35E-09
2603 494135.94, 3860876.85	3.87E-03	1.22E-06	3.55E-07	1.51E-04	4.77E-08	1.39E-08	3.89E-03	1.23E-06	3.57E-07	1.75E-04	5.51E-08	1.60E-08	3.99E-03	1.26E-06	3.66E-07	7.95E-05	2.51E-08	7.30E-09
2604 494185.94, 3860876.85	3.84E-03	1.21E-06	3.52E-07	1.52E-04	4.78E-08	1.39E-08	3.87E-03	1.22E-06	3.55E-07	1.75E-04	5.53E-08	1.61E-08	3.96E-03	1.25E-06	3.63E-07	7.98E-05	2.52E-08	7.32E-09
2605 494135.94, 3860926.85	3.79E-03	1.20E-06	3.48E-07	1.47E-04	4.64E-08	1.35E-08	3.81E-03	1.20E-06	3.50E-07	1.70E-04	5.36E-08	1.56E-08	3.91E-03	1.23E-06	3.59E-07	7.73E-05	2.44E-08	7.10E-09
2606 494185.94, 3860926.85	3.76E-03	1.19E-06	3.45E-07	1.47E-04	4.65E-08	1.35E-08	3.79E-03	1.20E-06	3.48E-07	1.70E-04	5.38E-08	1.57E-08	3.88E-03	1.22E-06	3.56E-07	7.76E-05	2.45E-08	7.12E-09
2607 494135.94, 3860976.85	3.71E-03	1.17E-06	3.41E-07	1.43E-04	4.51E-08	1.31E-08	3.74E-03	1.18E-06	3.43E-07	1.65E-04	5.21E-08	1.52E-08	3.83E-03	1.21E-06	3.51E-07	7.52E-05	2.37E-08	6.90E-09
2608 494185.94, 3860976.85	3.69E-03	1.16E-06	3.39E-07	1.43E-04	4.53E-08	1.32E-08	3.71E-03	1.17E-06	3.41E-07	1.66E-04	5.23E-08	1.52E-08	3.80E-03	1.20E-06	3.49E-07	7.55E-05	2.38E-08	6.93E-09
2609 494135.94, 3861026.85	3.64E-03	1.15E-06	3.34E-07	1.39E-04	4.38E-08	1.27E-08	3.66E-03	1.15E-06	3.36E-07	1.61E-04	5.07E-08	1.47E-08	3.75E-03	1.18E-06	3.44E-07	7.31E-05	2.31E-08	6.71E-09
2610 494185.94, 3861026.85	3.61E-03	1.14E-06	3.32E-07	1.40E-04	4.40E-08	1.28E-08	3.64E-03	1.15E-06	3.34E-07	1.61E-04	5.09E-08	1.48E-08	3.72E-03	1.18E-06	3.42E-07	7.34E-05	2.32E-08	6.74E-09
2611 494135.94, 3861076.85	3.56E-03	1.12E-06	3.27E-07	1.35E-04	4.26E-08	1.24E-08	3.58E-03	1.13E-06	3.29E-07	1.56E-04	4.93E-08	1.43E-08	3.67E-03	1.16E-06	3.37E-07	7.10E-05	2.24E-08	6.52E-09
2612 494185.94, 3861076.85	3.54E-03	1.12E-06	3.25E-07	1.36E-04	4.28E-08	1.25E-08	3.56E-03	1.12E-06	3.27E-07	1.57E-04	4.95E-08	1.44E-08	3.65E-03	1.15E-06	3.35E-07	7.14E-05	2.25E-08	6.55E-09
2613 490360.04, 3858710.04	1.27E-02	4.00E-06	1.16E-06	4.70E-04	1.48E-07	4.32E-08	1.28E-02	4.03E-06	1.17E-06	5.43E-04	1.71E-07	4.99E-08	1.31E-02	4.13E-06	1.20E-06	2.49E-04	7.87E-08	2.29E-08
2614 490410.04, 3858710.04	1.24E-02	3.91E-06	1.14E-06	4.72E-04	1.49E-07	4.33E-08	1.25E-02	3.94E-06	1.15E-06	5.45E-04	1.72E-07	5.00E-08	1.28E-02	4.03E-06	1.17E-06	2.50E-04	7.89E-08	2.30E-08
2615 490460.04, 3858710.04	1.20E-02	3.80E-06	1.11E-06	4.73E-04	1.49E-07	4.34E-08	1.21E-02	3.83E-06	1.11E-06	5.46E-04	1.72E-07	5.02E-08	1.24E-02	3.91E-06	1.14E-06	2.51E-04	7.92E-08	2.30E-08
2616 490510.04, 3858710.04	1.18E-02	3.72E-06	1.08E-06	4.74E-04	1.50E-07	4.35E-08	1.19E-02	3.74E-06	1.09E-06	5.47E-04	1.73E-07	5.02E-08	1.21E-02	3.83E-06	1.11E-06	2.51E-04	7.93E-08	2.31E-08
2617 490560.04, 3858710.04	1.16E-02	3.65E-06	1.06E-06	4.74E-04	1.50E-07	4.35E-08	1.16E-02	3.67E-06	1.07E-06	5.47E-04	1.73E-07	5.02E-08	1.19E-02	3.75E-06	1.09E-06	2.51E-04	7.93E-08	2.31E-08
2618 490610.04, 3858710.04	1.13E-02	3.57E-06	1.04E-06	4.74E-04	1.50E-07	4.35E-08	1.14E-02	3.60E-06	1.05E-06	5.47E-04	1.73E-07	5.02E-08	1.16E-02	3.67E-06	1.07E-06	2.51E-04	7.93E-08	2.31E-08
2619 490660.04, 3858710.04	1.12E-02	3.52E-06	1.02E-06	4.73E-04	1.49E-07	4.34E-08	1.12E-02	3.55E-06	1.03E-06	5.46E-04	1.72E-07	5.02E-08	1.15E-02	3.62E-06	1.05E-06	2.51E-04	7.91E-08	2.30E-08
2620 490710.04, 3858710.04	1.09E-02	3.44E-06	9.99E-07	4.73E-04	1.49E-07	4.34E-08	1.10E-02	3.46E-06	1.01E-06	5.46E-04	1.72E-07	5.01E-08	1.12E-02	3.53E-06	1.03E-06	2.51E-04	7.91E-08	2.30E-08
2621 490760.04, 3858710.04	1.06E-02	3.36E-06	9.78E-07	4.72E-04	1.49E-07	4.33E-08	1.07E-02	3.39E-06	9.85E-07	5.45E-04	1.72E-07	5.00E-08	1.09E-02	3.45E-06	1.00E-06	2.50E-04	7.89E-08	2.30E-08
2622 490810.04, 3858710.04	1.04E-02	3.29E-06	9.56E-07	4.71E-04	1.49E-07	4.32E-08	1.05E-02	3.31E-06	9.64E-07	5.44E-04	1.72E-07	4.99E-08	1.07E-02	3.37E-06	9.81E-07	2.50E-04	7.88E-08	2.29E-08
2623 490860.04, 3858710.04	1.01E-02	3.20E-06	9.32E-07	4.70E-04	1.48E-07	4.31E-08	1.02E-02	3.23E-06	9.39E-07	5.43E-04	1.71E-07	4.98E-08	1.04E-02	3.28E-06	9.55E-07	2.49E-04	7.86E-08	2.29E-08
2624 490360.04, 3858760.04	1.30E-02	4.09E-06	1.19E-06	4.52E-04	1.43E-07	4.15E-08	1.30E-02	4.12E-06	1.20E-06	5.22E-04	1.65E-07	4.80E-08	1.34E-02	4.23E-06	1.23E-06	2.40E-04	7.58E-08	2.20E-08
2625 490410.04, 3858760.04	1.26E-02	3.99E-06	1.16E-06	4.54E-04	1.43E-07	4.17E-08	1.27E-02	4.02E-06	1.17E-06	5.25E-04	1.66E-07	4.82E-08	1.30E-02	4.12E-06	1.20E-06	2.41E-04	7.61E-08	2.21E-08
2626 490460.04, 3858760.04	1.23E-02	3.88E-06	1.13E-06	4.56E-04	1.44E-07	4.19E-08	1.24E-02	3.91E-06	1.14E-06	5.27E-04	1.66E-07	4.83E-08	1.27E-02	4.00E-06	1.16E-06	2.42E-04	7.63E-08	2.22E-08
2627 490510.04, 3858760.04	1.20E-02	3.78E-06	1.10E-06	4.57E-04	1.44E-07	4.20E-08	1.20E-02	3.80E-06	1.11E-06	5.28E-04	1.67E-07	4.85E-08	1.23E-02	3.89E-06	1.13E-06	2.43E-04	7.65E-08	2.23E-08
2628 490560.04, 3858760.04	1.17E-02	3.69E-06	1.07E-06	4.58E-04	1.45E-07	4.21E-08	1.18E-02	3.72E-06	1.08E-06	5.29E-04	1.67E-07	4.86E-08	1.20E-02	3.80E-06	1.11E-06	2.43E-04	7.66E-08	2.23E-08
2629 490610.04, 3858760.04	1.14E-02	3.60E-06	1.05E-06	4.58E-04	1.45E-07	4.21E-08	1.15E-02	3.63E-06	1.05E-06	5.29E-04	1.67E-07	4.86E-08	1.17E-02	3.71E-06	1.08E-06	2.43E-04	7.67E-08	2.23E-08
2630 490660.04, 3858760.04	1.12E-02	3.52E-06	1.02E-06	4.59E-04	1.45E-07	4.21E-08	1.12E-02	3.55E-06	1.03E-06	5.30E-04	1.67E-07	4.86E-08	1.15E-02	3.62E-06	1.05E-06	2.43E-04	7.67E-08	2.23E-08
2631 490710.04, 3858760.04	1.09E-02	3.44E-06	1.00E-06	4.58E-04	1.45E-07	4.21E-08	1.10E-02	3.47E-06	1.01E-06	5.29E-04	1.67E-07	4.86E-08	1.12E-02	3.54E-06	1.03E-06	2.43E-04	7.67E-08	2.23E-08
2632 490760.04, 3858760.04	1.06E-02	3.36E-06	9.76E-07	4.58E-04	1.45E-07	4.20E-08	1.07E-02	3.38E-06	9.83E-07	5.29E-04	1.67E-07	4.86E-08	1.09E-02	3.45E-06	1.00E-06	2.43E-04	7.66E-08	2.23E-08
2633 490810.04, 3858760.04	1.04E-02	3.28E-06	9.53E-07	4.57E-04	1.44E-07	4.20E-08	1.05E-02	3.30E-06	9.60E-07	5.28E-04	1.67E-07	4.85E-08	1.07E-02	3.36E-06	9.78E-07	2.42E-04	7.65E-08	2.23E-08
2634 490860.04, 3858760.04	1.02E-02	3.21E-06	9.32E-07	4.56E-04	1.44E-07	4.19E-08	1.02E-02	3.23E-06	9.39E-07	5.27E-04	1.66E-07	4.84E-08	1.04E-02	3.29E-06	9.56E-07	2.42E-04	7.63E-08	2.22E-08
2635 490360.04, 3858810.04	1.32E-02	4.16E-06	1.21E-06	4.35E-04	1.37E-07	4.00E-08	1.33E-02	4.18E-06	1.22E-06	5.03E-04	1.59E-07	4.62E-08	1.36E-02	4.30E-06	1.25E-06	2.31E-04	7.29E-08	2.12E-08
2636 490410.04, 3858810.04	1.28E-02	4.05E-06	1.18E-06	4.38E-04	1.38E-07	4.02E-08	1.29E-02	4.07E-06	1.18E-06	5.05E-04	1.60E-07	4.64E-08	1.32E-02	4.18E-06	1.22E-06	2.32E-04	7.33E-08	2.13E-08

2637	490460.04, 3858810.04	1.25E-02	3.94E-06	1.14E-06	4.40E-04	1.39E-07	4.04E-08	1.25E-02	3.96E-06	1.15E-06	5.08E-04	1.60E-07	4.66E-08	1.29E-02	4.06E-06	1.18E-06	2.33E-04	7.36E-08	2.14E-08
2638	490510.04, 3858810.04	1.22E-02	3.85E-06	1.12E-06	4.41E-04	1.39E-07	4.05E-08	1.23E-02	3.87E-06	1.13E-06	5.09E-04	1.61E-07	4.67E-08	1.26E-02	3.97E-06	1.15E-06	2.34E-04	7.38E-08	2.15E-08
2639	490560.04, 3858810.04	1.19E-02	3.75E-06	1.09E-06	4.42E-04	1.40E-07	4.06E-08	1.20E-02	3.78E-06	1.10E-06	5.10E-04	1.61E-07	4.69E-08	1.23E-02	3.87E-06	1.13E-06	2.34E-04	7.40E-08	2.15E-08
2640	490610.04, 3858810.04	1.15E-02	3.64E-06	1.06E-06	4.43E-04	1.40E-07	4.07E-08	1.16E-02	3.67E-06	1.07E-06	5.12E-04	1.61E-07	4.70E-08	1.19E-02	3.75E-06	1.09E-06	2.35E-04	7.41E-08	2.16E-08
2641	490660.04, 3858810.04	1.13E-02	3.55E-06	1.03E-06	4.44E-04	1.40E-07	4.07E-08	1.13E-02	3.58E-06	1.04E-06	5.12E-04	1.62E-07	4.70E-08	1.16E-02	3.66E-06	1.06E-06	2.35E-04	7.42E-08	2.16E-08
2642	490710.04, 3858810.04	1.10E-02	3.46E-06	1.01E-06	4.44E-04	1.40E-07	4.07E-08	1.10E-02	3.48E-06	1.01E-06	5.13E-04	1.62E-07	4.71E-08	1.13E-02	3.56E-06	1.03E-06	2.35E-04	7.43E-08	2.16E-08
2643	490760.04, 3858810.04	1.06E-02	3.35E-06	9.74E-07	4.44E-04	1.40E-07	4.08E-08	1.07E-02	3.37E-06	9.81E-07	5.13E-04	1.62E-07	4.71E-08	1.09E-02	3.44E-06	1.00E-06	2.35E-04	7.43E-08	2.16E-08
2644	490810.04, 3858810.04	1.04E-02	3.29E-06	9.57E-07	4.43E-04	1.40E-07	4.07E-08	1.05E-02	3.31E-06	9.64E-07	5.12E-04	1.62E-07	4.70E-08	1.07E-02	3.38E-06	9.83E-07	2.35E-04	7.42E-08	2.16E-08
2645	490860.04, 3858810.04	1.01E-02	3.20E-06	9.31E-07	4.43E-04	1.40E-07	4.07E-08	1.02E-02	3.23E-06	9.38E-07	5.11E-04	1.61E-07	4.70E-08	1.04E-02	3.29E-06	9.56E-07	2.35E-04	7.41E-08	2.15E-08
2646	490360.04, 3858860.04	1.33E-02	4.20E-06	1.22E-06	4.19E-04	1.32E-07	3.85E-08	1.34E-02	4.22E-06	1.23E-06	4.84E-04	1.53E-07	4.44E-08	1.38E-02	4.35E-06	1.26E-06	2.22E-04	7.02E-08	2.04E-08
2647	490410.04, 3858860.04	1.30E-02	4.12E-06	1.20E-06	4.21E-04	1.33E-07	3.86E-08	1.31E-02	4.14E-06	1.20E-06	4.86E-04	1.53E-07	4.46E-08	1.35E-02	4.26E-06	1.24E-06	2.23E-04	7.05E-08	2.05E-08
2648	490460.04, 3858860.04	1.26E-02	3.99E-06	1.16E-06	4.23E-04	1.34E-07	3.89E-08	1.27E-02	4.01E-06	1.17E-06	4.89E-04	1.54E-07	4.49E-08	1.31E-02	4.12E-06	1.20E-06	2.25E-04	7.09E-08	2.06E-08
2649	490510.04, 3858860.04	1.24E-02	3.91E-06	1.14E-06	4.25E-04	1.34E-07	3.90E-08	1.25E-02	3.93E-06	1.14E-06	4.90E-04	1.55E-07	4.50E-08	1.28E-02	4.04E-06	1.17E-06	2.25E-04	7.11E-08	2.07E-08
2650	490560.04, 3858860.04	1.20E-02	3.80E-06	1.11E-06	4.26E-04	1.35E-07	3.91E-08	1.21E-02	3.82E-06	1.11E-06	4.92E-04	1.55E-07	4.52E-08	1.24E-02	3.92E-06	1.14E-06	2.26E-04	7.13E-08	2.08E-08
2651	490610.04, 3858860.04	1.16E-02	3.67E-06	1.07E-06	4.28E-04	1.35E-07	3.93E-08	1.17E-02	3.69E-06	1.07E-06	4.94E-04	1.56E-07	4.54E-08	1.20E-02	3.78E-06	1.10E-06	2.27E-04	7.16E-08	2.08E-08
2652	490660.04, 3858860.04	1.13E-02	3.57E-06	1.04E-06	4.29E-04	1.35E-07	3.94E-08	1.14E-02	3.59E-06	1.05E-06	4.95E-04	1.56E-07	4.54E-08	1.17E-02	3.68E-06	1.07E-06	2.27E-04	7.17E-08	2.09E-08
2653	490710.04, 3858860.04	1.11E-02	3.50E-06	1.02E-06	4.29E-04	1.35E-07	3.94E-08	1.12E-02	3.52E-06	1.02E-06	4.96E-04	1.56E-07	4.55E-08	1.14E-02	3.60E-06	1.05E-06	2.27E-04	7.18E-08	2.09E-08
2654	490760.04, 3858860.04	1.07E-02	3.38E-06	9.84E-07	4.30E-04	1.36E-07	3.94E-08	1.08E-02	3.41E-06	9.91E-07	4.96E-04	1.57E-07	4.55E-08	1.10E-02	3.48E-06	1.01E-06	2.28E-04	7.19E-08	2.09E-08
2655	490810.04, 3858860.04	1.04E-02	3.28E-06	9.55E-07	4.30E-04	1.36E-07	3.94E-08	1.05E-02	3.31E-06	9.61E-07	4.96E-04	1.57E-07	4.55E-08	1.07E-02	3.37E-06	9.82E-07	2.28E-04	7.19E-08	2.09E-08
2656	490860.04, 3858860.04	1.01E-02	3.18E-06	9.25E-07	4.29E-04	1.35E-07	3.94E-08	1.02E-02	3.20E-06	9.32E-07	4.96E-04	1.56E-07	4.55E-08	1.04E-02	3.27E-06	9.51E-07	2.27E-04	7.18E-08	2.09E-08
2657	490360.04, 3858910.04	1.36E-02	4.30E-06	1.25E-06	4.02E-04	1.27E-07	3.69E-08	1.37E-02	4.33E-06	1.26E-06	4.64E-04	1.46E-07	4.26E-08	1.41E-02	4.46E-06	1.30E-06	2.13E-04	6.73E-08	1.96E-08
2658	490410.04, 3858910.04	1.33E-02	4.19E-06	1.22E-06	4.04E-04	1.28E-07	3.71E-08	1.33E-02	4.21E-06	1.22E-06	4.67E-04	1.47E-07	4.28E-08	1.37E-02	4.34E-06	1.26E-06	2.15E-04	6.77E-08	1.97E-08
2659	490460.04, 3858910.04	1.29E-02	4.07E-06	1.18E-06	4.06E-04	1.28E-07	3.73E-08	1.30E-02	4.09E-06	1.19E-06	4.69E-04	1.48E-07	4.31E-08	1.33E-02	4.21E-06	1.22E-06	2.16E-04	6.81E-08	1.98E-08
2660	490510.04, 3858910.04	1.25E-02	3.94E-06	1.15E-06	4.09E-04	1.29E-07	3.75E-08	1.26E-02	3.97E-06	1.15E-06	4.72E-04	1.49E-07	4.33E-08	1.29E-02	4.08E-06	1.19E-06	2.17E-04	6.85E-08	1.99E-08
2661	490560.04, 3858910.04	1.21E-02	3.82E-06	1.11E-06	4.11E-04	1.30E-07	3.77E-08	1.22E-02	3.84E-06	1.12E-06	4.74E-04	1.50E-07	4.35E-08	1.25E-02	3.94E-06	1.15E-06	2.18E-04	6.88E-08	2.00E-08
2662	490610.04, 3858910.04	1.17E-02	3.69E-06	1.07E-06	4.12E-04	1.30E-07	3.79E-08	1.18E-02	3.72E-06	1.08E-06	4.76E-04	1.50E-07	4.37E-08	1.21E-02	3.81E-06	1.11E-06	2.19E-04	6.90E-08	2.01E-08
2663	490660.04, 3858910.04	1.14E-02	3.59E-06	1.05E-06	4.14E-04	1.31E-07	3.80E-08	1.15E-02	3.62E-06	1.05E-06	4.78E-04	1.51E-07	4.39E-08	1.17E-02	3.71E-06	1.08E-06	2.19E-04	6.92E-08	2.01E-08
2664	490710.04, 3858910.04	1.10E-02	3.48E-06	1.01E-06	4.15E-04	1.31E-07	3.81E-08	1.11E-02	3.51E-06	1.02E-06	4.79E-04	1.51E-07	4.40E-08	1.14E-02	3.59E-06	1.04E-06	2.20E-04	6.94E-08	2.02E-08
2665	490760.04, 3858910.04	1.07E-02	3.36E-06	9.78E-07	4.15E-04	1.31E-07	3.81E-08	1.07E-02	3.39E-06	9.85E-07	4.80E-04	1.51E-07	4.40E-08	1.10E-02	3.46E-06	1.01E-06	2.20E-04	6.95E-08	2.02E-08
2666	490810.04, 3858910.04	1.04E-02	3.27E-06	9.52E-07	4.16E-04	1.31E-07	3.81E-08	1.04E-02	3.30E-06	9.59E-07	4.80E-04	1.51E-07	4.41E-08	1.07E-02	3.37E-06	9.80E-07	2.20E-04	6.95E-08	2.02E-08
2667	490860.04, 3858910.04	1.00E-02	3.16E-06	9.19E-07	4.15E-04	1.31E-07	3.81E-08	1.01E-02	3.18E-06	9.26E-07	4.80E-04	1.51E-07	4.40E-08	1.03E-02	3.25E-06	9.45E-07	2.20E-04	6.95E-08	2.02E-08
2668	490360.04, 3858960.04	1.38E-02	4.36E-06	1.27E-06	3.85E-04	1.22E-07	3.54E-08	1.39E-02	4.38E-06	1.27E-06	4.45E-04	1.40E-07	4.09E-08	1.43E-02	4.52E-06	1.31E-06	2.05E-04	6.46E-08	1.88E-08
2669	490410.04, 3858960.04	1.34E-02	4.22E-06	1.23E-06	3.88E-04	1.23E-07	3.56E-08	1.34E-02	4.24E-06	1.23E-06	4.48E-04	1.41E-07	4.12E-08	1.39E-02	4.37E-06	1.27E-06	2.06E-04	6.51E-08	1.89E-08
2670	490460.04, 3858960.04	1.29E-02	4.08E-06	1.19E-06	3.91E-04	1.23E-07	3.59E-08	1.30E-02	4.10E-06	1.19E-06	4.51E-04	1.42E-07	4.14E-08	1.34E-02	4.22E-06	1.23E-06	2.08E-04	6.55E-08	1.91E-08
2671	490510.04, 3858960.04	1.25E-02	3.96E-06	1.15E-06	3.93E-04	1.24E-07	3.61E-08	1.26E-02	3.98E-06	1.16E-06	4.54E-04	1.43E-07	4.17E-08	1.30E-02	4.09E-06	1.19E-06	2.09E-04	6.59E-08	1.92E-08
2672	490560.04, 3858960.04	1.22E-02	3.84E-06	1.12E-06	3.95E-04	1.25E-07	3.63E-08	1.22E-02	3.86E-06	1.12E-06	4.57E-04	1.44E-07	4.19E-08	1.26E-02	3.97E-06	1.15E-06	2.10E-04	6.62E-08	1.93E-08
2673	490610.04, 3858960.04	1.17E-02	3.69E-06	1.07E-06	3.97E-04	1.25E-07	3.65E-08	1.18E-02	3.71E-06	1.08E-06	4.59E-04	1.45E-07	4.21E-08	1.21E-02	3.81E-06	1.11E-06	2.11E-04	6.65E-08	1.94E-08
2674	490660.04, 3858960.04	1.14E-02	3.61E-06	1.05E-06	3.99E-04	1.26E-07	3.66E-08	1.15E-02	3.63E-06	1.06E-06	4.60E-04	1.45E-07	4.23E-08	1.18E-02	3.73E-06	1.09E-06	2.11E-04	6.67E-08	1.94E-08
2675	490710.04, 3858960.04	1.10E-02	3.48E-06	1.01E-06	4.00E-04	1.26E-07	3.67E-08	1.11E-02	3.50E-06	1.02E-06	4.62E-04	1.46E-07	4.24E-08	1.14E-02	3.59E-06	1.04E-06	2.12E-04	6.70E-08	1.95E-08
2676	490760.04, 3858960.04	1.07E-02	3.37E-06	9.79E-07	4.01E-04	1.27E-07	3.68E-08	1.07E-02	3.39E-06	9.86E-07	4.63E-04	1.46E-07	4.25E-08	1.10E-02	3.47E-06	1.01E-06	2.13E-04	6.71E-08	1.95E-08
2677	490810.04, 3858960.04	1.03E-02	3.26E-06	9.47E-07	4.01E-04	1.27E-07	3.69E-08	1.04E-02	3.28E-06	9.53E-07	4.64E-04	1.46E-07	4.26E-08	1.06E-02	3.35E-06	9.75E-07	2.13E-04	6.72E-08	1.95E-08
2678	490860.04, 3858960.04	9.93E-03	3.13E-06	9.12E-07	4.02E-04	1.27E-07	3.69E-08	1.00E-02	3.16E-06	9.18E-07	4.64E-04	1.46E-07	4.26E-08	1.02E-02	3.22E-06	9.38E-07	2.13E-04	6.72E-08	1.96E-08
2679	490360.04, 3859010.04	1.39E-02	4.40E-06	1.28E-06	3.70E-04	1.17E-07	3.40E-08	1.40E-02	4.42E-06	1.29E-06	4.27E-04	1.35E-07	3.92E-08	1.45E-02	4.57E-06	1.33E-06	1.97E-04	6.21E-08	1.81E-08
2680	490410.04, 3859010.04	1.35E-02	4.25E-06	1.24E-06	3.73E-04	1.18E-07	3.42E-08	1.35E-02	4.27E-06	1.24E-06	4.31E-04	1.36E-07	3.95E-08	1.40E-02	4.40E-06	1.28E-06	1.98E-04	6.25E-08	1.82E-08
2681	490460.04, 3859010.04	1.29E-02	4.08E-06	1.19E-06	3.76E-04	1.19E-07	3.45E-08	1.30E-02	4.10E-06	1.19E-06	4.34E-04	1.37E-07	3.98E-08	1.34E-02	4.23E-06	1.23E-06	2.00E-04	6.30E-08	1.83E-08
2682	490510.04, 3859010.04	1.24E-02	3.92E-06	1.14E-06	3.78E-04	1.19E-07	3.47E-08	1.25E-02	3.94E-06	1.15E-06	4.37E-04	1.38E-07	4.01E-08	1.29E-02	4.06E-06	1.18E-06	2.01E-04	6.34E-08	1.84E-08
2683	490560.04, 3859010.04	1.21E-02	3.82E-06	1.11E-06	3.80E-04	1.20E-07	3.49E-08	1.22E-02	3.84E-06	1.12E-06	4.39E-04	1.39E-07	4.03E-08	1.25E-02	3.96E-06	1.15E-06	2.02E-04	6.37E-08	1.85E-08
2684	490610.04, 3859010.04	1.17E-02	3.68E-06	1.07E-06	3.82E-04	1.21E-07	3.51E-08	1.17E-02	3.70E-06	1.08E-06	4.42E-04	1.39E-07	4.05E-08	1.21E-02	3.81E-06	1.11E-06	2.03E-04	6.41E-08	1.86E-08
2685	490660.04, 3859010.04	1.14E-02	3.60E-06	1.05E-06	3.84E-04	1.21E-07	3.52E-08	1.15E-02	3.62E-06	1.05E-06	4.43E-04	1.40E-07	4.07E-08	1.18E-02	3.72E-06	1.08E-06	2.04E-04	6.43E-08	1.87E-08
2686	490710.04, 3859010.04	1.10E-02	3.46E-06	1.01E-06	3.86E-04	1.22E-07	3.54E-08	1.10E-02	3.48E-06	1.01E-06	4.45E-04	1.40E-07	4.09E-08	1.13E-02	3.58E-06	1.04E-06	2.05E-04	6.46E-08	1.88E-08
2687	490760.04, 3859010.04	1.06E-02	3.34E-06	9.72E-07	3.87E-04	1.22E-07	3.55E-08	1.07E-02	3.36E-06	9.78E-07	4.46E-04	1.41E-07	4.10E-08	1.09E-02	3.45E-06	1.00E-06	2.05E-04	6.47E-08	1.88E-08
2688	490810.04, 3859010.04	1.02E-02	3.22E-06	9.37E-07	3.87E-04	1.22E-07	3.56E-08	1.03E-02	3.24E-06	9.43E-07	4.47E-04	1.41E-07	4.11E-08	1.05E-02	3.32E-06	9.66E-07	2.05E-04	6.48E-08	1.89E-08
2689	490860.04, 3859010.04	9.87E-03	3.12E-06	9.06E-07	3.88E-04	1.22E-07	3.56E-08	9.94E-03	3.14E-06	9.13E-07	4.48E-04	1.41E-07	4.11E-08	1.02E-02	3.21E-06	9.33E-07	2.06E-04	6.49E-08	1.89E-08
2690	490360.04, 3859060.04	1.40E-02	4.42E-06	1.29E-06	3.56E-04	1.12E-07	3.26E-08	1.41E-02	4.44E-06	1.29E-06	4.10E-04	1.30E-07	3.77E-08	1.46E-02	4.59E-06	1.34E-06	1.89E-04	5.97E-08	1.74E-08
2691	490410.04, 3859060.04	1.34E-02	4.22E-06	1.23E-06	3.59E-04	1.13E-07	3.29E-08	1.34E-02	4.24E-06	1.23E-06	4.14E-04	1.31E-07	3.80E-08	1.39E-02	4.38E-06	1.28E-06	1.91E-04	6.02E-08	1.75E-08
2692	490460.04, 3859060.04	1.29E-02	4.07E-06	1.18E-06	3.61E-04	1.14E-07	3.32E-08	1.29E-02	4.09E-06	1.19E-06	4.17E-04	1.32E-07	3.83E-08	1.34E-02	4.22E-06	1.23E-06	1.92E-04	6.06E-08	1.76E-08
2693	490510.04, 3859060.04	1.24E-02	3.93E-06	1.14E-06	3.64E-04	1.15E-07	3.34E-08	1.25E-02	3.95E-06	1.15E-06	4.20E-04	1.32E-07	3.85E-08	1.29E-02	4.07E-06	1.18E-06	1.93E-04	6.10E-08	1.77E-08
2694	490560.04, 3859060.04	1.20E-02	3.78E-06	1.10E-06	3.66E-04	1.15E-07	3.36E-08	1.20E-02	3.79E-06	1.10E-06	4.22E-04	1.33E-07	3.88E-08	1.24E-02	3.91E-06	1.14E-06	1.94E-04	6.13E-08	1.78E-08
2695	490610.04, 3859060.04	1.16E-02	3.67E-06	1.07E-06	3.68E-04	1.16E-07	3.38E-08	1.17E-02	3.69E-06	1.07E-06	4.25E-04	1.34E-07	3.90E-08	1.20E-02	3.79E-06	1.10E-06	1.95E-04	6.16E-08	1.79E-08
2696	490660.04, 3859060.04	1.13E-02	3.57E-06	1.04E-06	3.69E-04	1.17E-07	3.39E-08	1.14E-02	3.59E-06	1.04E-06	4.27E-04	1.35E-07	3.92E-08	1.17E-02	3.69E-06	1.07E-06	1.96E-04	6.19E-08	1.80E-08
2697	490710.04, 3859060.04	1.09E-02	3.43E-06	9.96E-07	3.71E-04	1.17E-07	3.41E-08	1.09E-02	3.45E-06	1.00E-06	4.28E-04	1.35E-07	3.93E-08	1.12E-02	3.54E-06	1.03E-06	1.97E-04	6.21E-08	1.81E-08
2698	490760.04, 3859060.04	1.05E-02	3.30E-06	9.60E-07	3.72E-04	1.17E-07	3.42E-08	1.05E-02	3.32E-06	9.66E-07	4.30E-04	1.36E-07	3.95E-08	1.08E-02	3.41E-06	9.91E-07	1.98E-04	6.23E-08	1.81E-08
2699	490810.04, 3859060.04	1.01E-02	3.18E-06	9.24E-07	3.73E-04	1.18E-07	3.43E-08	1.01E-02	3.20E-06	9.30E-07	4.31E-04	1.36E-07	3.96E-08	1.04E-02	3.28E-06	9.53E-07	1.98E-04	6.25E-08	1.82E-08
2700	490860.04, 3859060.04	9.73E-03	3.07E-06	8.93E-07	3.73E-04	1.18E-07	3.43E-08	9.79E-03	3.09E-06	8.99E-07	4.31E-04	1.36E-07	3.96E-08	1.00E-02	3.16E-06	9.20E-07	1.98E-04	6.25E-08	1.82E-08
2701	490360.04, 3859110.04	1.41E-02	4.46E-06	1.30E-06	3.42E-04	1.08E-07	3.14E-08	1.42E-02	4.48E-06	1.30E-06	3.94E-04	1.24E-07	3.62E-08	1.47E-02	4.64E-06	1.35E-06	1.82E-04	5.74E-08	1.67E-08
2702	490410.04, 3859110.04	1.35E-02	4.26E-06	1.24E-06	3.45E-04	1.09E-07	3.16E-08	1.36E-02	4.28E-06	1.24E-06	3.98E-04	1.26E-07	3.65E-08	1.40E-02	4.42E-06	1.29E-06	1.83E-04	5.78E-08	1.68E-08

2703 490460.04, 3859110.04	1.30E-02	4.11E-06	1.20E-06	3.47E-04	1.09E-07	3.18E-08	1.31E-02	4.13E-06	1.20E-06	4.00E-04	1.26E-07	3.67E-08	1.35E-02	4.27E-06	1.24E-06	1.84E-04	5.82E-08	1.69E-08
2704 490510.04, 3859110.04	1.24E-02	3.90E-06	1.13E-06	3.49E-04	1.10E-07	3.21E-08	1.24E-02	3.92E-06	1.14E-06	4.03E-04	1.27E-07	3.70E-08	1.28E-02	4.04E-06	1.18E-06	1.86E-04	5.86E-08	1.70E-08
2705 490560.04, 3859110.04	1.19E-02	3.76E-06	1.09E-06	3.52E-04	1.11E-07	3.23E-08	1.20E-02	3.78E-06	1.10E-06	4.06E-04	1.28E-07	3.73E-08	1.23E-02	3.89E-06	1.13E-06	1.87E-04	5.89E-08	1.71E-08
2706 490610.04, 3859110.04	1.14E-02	3.61E-06	1.05E-06	3.53E-04	1.12E-07	3.25E-08	1.15E-02	3.63E-06	1.06E-06	4.08E-04	1.29E-07	3.75E-08	1.18E-02	3.74E-06	1.09E-06	1.88E-04	5.93E-08	1.72E-08
2707 490660.04, 3859110.04	1.10E-02	3.46E-06	1.01E-06	3.55E-04	1.12E-07	3.26E-08	1.10E-02	3.48E-06	1.01E-06	4.10E-04	1.29E-07	3.76E-08	1.13E-02	3.58E-06	1.04E-06	1.89E-04	5.95E-08	1.73E-08
2708 490710.04, 3859110.04	1.07E-02	3.36E-06	9.78E-07	3.57E-04	1.13E-07	3.27E-08	1.07E-02	3.38E-06	9.83E-07	4.12E-04	1.30E-07	3.78E-08	1.10E-02	3.47E-06	1.01E-06	1.89E-04	5.98E-08	1.74E-08
2709 490760.04, 3859110.04	1.03E-02	3.25E-06	9.44E-07	3.58E-04	1.13E-07	3.29E-08	1.03E-02	3.26E-06	9.50E-07	4.13E-04	1.31E-07	3.80E-08	1.06E-02	3.35E-06	9.75E-07	1.90E-04	6.00E-08	1.75E-08
2710 490810.04, 3859110.04	9.87E-03	3.12E-06	9.06E-07	3.58E-04	1.13E-07	3.29E-08	9.93E-03	3.13E-06	9.12E-07	4.14E-04	1.31E-07	3.80E-08	1.02E-02	3.21E-06	9.35E-07	1.90E-04	6.00E-08	1.75E-08
2711 490860.04, 3859110.04	9.49E-03	3.00E-06	8.71E-07	3.59E-04	1.13E-07	3.29E-08	9.55E-03	3.01E-06	8.77E-07	4.14E-04	1.31E-07	3.80E-08	9.78E-03	3.09E-06	8.98E-07	1.90E-04	6.01E-08	1.75E-08
2712 490360.04, 3859160.04	1.43E-02	4.52E-06	1.31E-06	3.29E-04	1.04E-07	3.02E-08	1.44E-02	4.54E-06	1.32E-06	3.79E-04	1.20E-07	3.48E-08	1.49E-02	4.70E-06	1.37E-06	1.75E-04	5.52E-08	1.61E-08
2713 490410.04, 3859160.04	1.37E-02	4.31E-06	1.25E-06	3.31E-04	1.05E-07	3.04E-08	1.37E-02	4.33E-06	1.26E-06	3.82E-04	1.21E-07	3.51E-08	1.42E-02	4.49E-06	1.30E-06	1.76E-04	5.56E-08	1.62E-08
2714 490460.04, 3859160.04	1.31E-02	4.14E-06	1.20E-06	3.33E-04	1.05E-07	3.06E-08	1.32E-02	4.15E-06	1.21E-06	3.85E-04	1.21E-07	3.53E-08	1.36E-02	4.30E-06	1.25E-06	1.77E-04	5.60E-08	1.63E-08
2715 490510.04, 3859160.04	1.26E-02	3.96E-06	1.15E-06	3.36E-04	1.06E-07	3.08E-08	1.26E-02	3.98E-06	1.16E-06	3.87E-04	1.22E-07	3.56E-08	1.30E-02	4.11E-06	1.20E-06	1.78E-04	5.63E-08	1.64E-08
2716 490560.04, 3859160.04	1.19E-02	3.77E-06	1.10E-06	3.38E-04	1.07E-07	3.10E-08	1.20E-02	3.79E-06	1.10E-06	3.90E-04	1.23E-07	3.58E-08	1.24E-02	3.91E-06	1.14E-06	1.80E-04	5.67E-08	1.65E-08
2717 490610.04, 3859160.04	1.15E-02	3.64E-06	1.06E-06	3.40E-04	1.07E-07	3.12E-08	1.16E-02	3.65E-06	1.06E-06	3.92E-04	1.24E-07	3.60E-08	1.19E-02	3.77E-06	1.10E-06	1.81E-04	5.70E-08	1.66E-08
2718 490660.04, 3859160.04	1.08E-02	3.41E-06	9.91E-07	3.41E-04	1.08E-07	3.13E-08	1.09E-02	3.43E-06	9.97E-07	3.94E-04	1.24E-07	3.62E-08	1.12E-02	3.53E-06	1.03E-06	1.81E-04	5.72E-08	1.66E-08
2719 490710.04, 3859160.04	1.05E-02	3.30E-06	9.61E-07	3.43E-04	1.08E-07	3.15E-08	1.05E-02	3.32E-06	9.66E-07	3.96E-04	1.25E-07	3.63E-08	1.08E-02	3.41E-06	9.93E-07	1.82E-04	5.75E-08	1.67E-08
2720 490760.04, 3859160.04	9.96E-03	3.14E-06	9.14E-07	3.43E-04	1.08E-07	3.15E-08	1.00E-02	3.16E-06	9.19E-07	3.96E-04	1.25E-07	3.63E-08	1.03E-02	3.25E-06	9.44E-07	1.82E-04	5.75E-08	1.67E-08
2721 490810.04, 3859160.04	9.65E-03	3.05E-06	8.86E-07	3.44E-04	1.09E-07	3.16E-08	9.71E-03	3.06E-06	8.91E-07	3.97E-04	1.25E-07	3.64E-08	9.96E-03	3.14E-06	9.14E-07	1.83E-04	5.76E-08	1.68E-08
2722 490860.04, 3859160.04	9.33E-03	2.95E-06	8.57E-07	3.44E-04	1.09E-07	3.16E-08	9.39E-03	2.96E-06	8.62E-07	3.98E-04	1.26E-07	3.65E-08	9.62E-03	3.04E-06	8.83E-07	1.83E-04	5.77E-08	1.68E-08
2723 490360.04, 3859210.04	1.45E-02	4.57E-06	1.33E-06	3.17E-04	1.00E-07	2.91E-08	1.45E-02	4.58E-06	1.33E-06	3.65E-04	1.15E-07	3.36E-08	1.51E-02	4.76E-06	1.38E-06	1.69E-04	5.32E-08	1.55E-08
2724 490410.04, 3859210.04	1.40E-02	4.42E-06	1.29E-06	3.18E-04	1.00E-07	2.92E-08	1.41E-02	4.44E-06	1.29E-06	3.67E-04	1.16E-07	3.37E-08	1.46E-02	4.60E-06	1.34E-06	1.70E-04	5.35E-08	1.56E-08
2725 490460.04, 3859210.04	1.32E-02	4.16E-06	1.21E-06	3.21E-04	1.01E-07	2.95E-08	1.32E-02	4.18E-06	1.22E-06	3.70E-04	1.17E-07	3.40E-08	1.37E-02	4.33E-06	1.26E-06	1.71E-04	5.39E-08	1.57E-08
2726 490510.04, 3859210.04	1.26E-02	3.97E-06	1.16E-06	3.23E-04	1.02E-07	2.96E-08	1.26E-02	3.99E-06	1.16E-06	3.73E-04	1.18E-07	3.42E-08	1.31E-02	4.13E-06	1.20E-06	1.72E-04	5.42E-08	1.58E-08
2727 490560.04, 3859210.04	1.22E-02	3.84E-06	1.12E-06	3.25E-04	1.02E-07	2.98E-08	1.22E-02	3.85E-06	1.12E-06	3.75E-04	1.18E-07	3.44E-08	1.26E-02	3.98E-06	1.16E-06	1.73E-04	5.45E-08	1.59E-08
2728 490610.04, 3859210.04	1.16E-02	3.67E-06	1.07E-06	3.27E-04	1.03E-07	3.00E-08	1.17E-02	3.68E-06	1.07E-06	3.77E-04	1.19E-07	3.46E-08	1.20E-02	3.80E-06	1.11E-06	1.74E-04	5.48E-08	1.59E-08
2729 490660.04, 3859210.04	1.09E-02	3.45E-06	1.00E-06	3.28E-04	1.04E-07	3.01E-08	1.10E-02	3.47E-06	1.01E-06	3.79E-04	1.20E-07	3.48E-08	1.13E-02	3.57E-06	1.04E-06	1.74E-04	5.51E-08	1.60E-08
2730 490710.04, 3859210.04	1.05E-02	3.32E-06	9.65E-07	3.30E-04	1.04E-07	3.03E-08	1.06E-02	3.34E-06	9.70E-07	3.81E-04	1.20E-07	3.49E-08	1.09E-02	3.43E-06	9.99E-07	1.75E-04	5.53E-08	1.61E-08
2731 490760.04, 3859210.04	9.98E-03	3.15E-06	9.16E-07	3.30E-04	1.04E-07	3.03E-08	1.00E-02	3.17E-06	9.21E-07	3.81E-04	1.20E-07	3.49E-08	1.03E-02	3.26E-06	9.47E-07	1.75E-04	5.53E-08	1.61E-08
2732 490810.04, 3859210.04	9.81E-03	3.10E-06	9.00E-07	3.31E-04	1.05E-07	3.04E-08	9.86E-03	3.11E-06	9.05E-07	3.82E-04	1.21E-07	3.51E-08	1.01E-02	3.20E-06	9.30E-07	1.76E-04	5.55E-08	1.61E-08
2733 490860.04, 3859210.04	9.62E-03	3.04E-06	8.84E-07	3.33E-04	1.05E-07	3.05E-08	9.68E-03	3.06E-06	8.89E-07	3.84E-04	1.21E-07	3.52E-08	9.94E-03	3.14E-06	9.13E-07	1.77E-04	5.58E-08	1.62E-08
2734 490360.04, 3859260.04	1.45E-02	4.59E-06	1.33E-06	3.06E-04	9.66E-08	2.81E-08	1.46E-02	4.60E-06	1.34E-06	3.53E-04	1.11E-07	3.24E-08	1.51E-02	4.78E-06	1.39E-06	1.63E-04	5.15E-08	1.50E-08
2735 490410.04, 3859260.04	1.40E-02	4.42E-06	1.28E-06	3.08E-04	9.71E-08	2.82E-08	1.40E-02	4.43E-06	1.29E-06	3.55E-04	1.12E-07	3.26E-08	1.46E-02	4.60E-06	1.34E-06	1.64E-04	5.17E-08	1.50E-08
2736 490460.04, 3859260.04	1.35E-02	4.27E-06	1.24E-06	3.09E-04	9.75E-08	2.84E-08	1.36E-02	4.29E-06	1.25E-06	3.57E-04	1.13E-07	3.27E-08	1.41E-02	4.45E-06	1.29E-06	1.65E-04	5.19E-08	1.51E-08
2737 490510.04, 3859260.04	1.31E-02	4.13E-06	1.20E-06	3.10E-04	9.80E-08	2.85E-08	1.32E-02	4.15E-06	1.21E-06	3.58E-04	1.13E-07	3.29E-08	1.36E-02	4.30E-06	1.25E-06	1.65E-04	5.21E-08	1.52E-08
2738 490560.04, 3859260.04	1.25E-02	3.95E-06	1.15E-06	3.12E-04	9.86E-08	2.87E-08	1.26E-02	3.97E-06	1.16E-06	3.60E-04	1.14E-07	3.31E-08	1.30E-02	4.11E-06	1.20E-06	1.66E-04	5.24E-08	1.53E-08
2739 490610.04, 3859260.04	1.18E-02	3.73E-06	1.08E-06	3.14E-04	9.92E-08	2.89E-08	1.19E-02	3.75E-06	1.09E-06	3.63E-04	1.14E-07	3.33E-08	1.23E-02	3.87E-06	1.13E-06	1.67E-04	5.28E-08	1.53E-08
2740 490660.04, 3859260.04	1.16E-02	3.65E-06	1.06E-06	3.16E-04	9.97E-08	2.90E-08	1.16E-02	3.67E-06	1.07E-06	3.64E-04	1.15E-07	3.35E-08	1.20E-02	3.79E-06	1.10E-06	1.68E-04	5.30E-08	1.54E-08
2741 490710.04, 3859260.04	1.12E-02	3.52E-06	1.02E-06	3.17E-04	1.00E-07	2.91E-08	1.12E-02	3.54E-06	1.03E-06	3.66E-04	1.16E-07	3.36E-08	1.16E-02	3.65E-06	1.06E-06	1.69E-04	5.32E-08	1.55E-08
2742 490760.04, 3859260.04	1.05E-02	3.32E-06	9.67E-07	3.19E-04	1.01E-07	2.93E-08	1.06E-02	3.34E-06	9.72E-07	3.68E-04	1.16E-07	3.38E-08	1.09E-02	3.44E-06	1.00E-06	1.69E-04	5.35E-08	1.56E-08
2743 490810.04, 3859260.04	1.03E-02	3.25E-06	9.44E-07	3.20E-04	1.01E-07	2.94E-08	1.03E-02	3.26E-06	9.49E-07	3.70E-04	1.17E-07	3.40E-08	1.06E-02	3.36E-06	9.77E-07	1.70E-04	5.37E-08	1.56E-08
2744 490860.04, 3859260.04	1.00E-02	3.17E-06	9.22E-07	3.22E-04	1.02E-07	2.96E-08	1.01E-02	3.19E-06	9.27E-07	3.72E-04	1.17E-07	3.41E-08	1.04E-02	3.28E-06	9.54E-07	1.71E-04	5.40E-08	1.57E-08
2745 490360.04, 3859310.04	1.48E-02	4.67E-06	1.36E-06	2.96E-04	9.33E-08	2.71E-08	1.48E-02	4.69E-06	1.36E-06	3.41E-04	1.08E-07	3.13E-08	1.54E-02	4.87E-06	1.42E-06	1.58E-04	4.98E-08	1.45E-08
2746 490410.04, 3859310.04	1.42E-02	4.50E-06	1.31E-06	2.97E-04	9.37E-08	2.73E-08	1.43E-02	4.51E-06	1.31E-06	3.43E-04	1.08E-07	3.14E-08	1.48E-02	4.68E-06	1.36E-06	1.58E-04	4.99E-08	1.45E-08
2747 490460.04, 3859310.04	1.38E-02	4.34E-06	1.26E-06	2.98E-04	9.41E-08	2.74E-08	1.38E-02	4.36E-06	1.27E-06	3.44E-04	1.09E-07	3.16E-08	1.43E-02	4.52E-06	1.32E-06	1.59E-04	5.01E-08	1.46E-08
2748 490510.04, 3859310.04	1.34E-02	4.22E-06	1.23E-06	2.99E-04	9.44E-08	2.75E-08	1.34E-02	4.23E-06	1.23E-06	3.45E-04	1.09E-07	3.17E-08	1.39E-02	4.39E-06	1.28E-06	1.59E-04	5.03E-08	1.46E-08
2749 490560.04, 3859310.04	1.29E-02	4.09E-06	1.19E-06	3.01E-04	9.49E-08	2.76E-08	1.30E-02	4.10E-06	1.19E-06	3.47E-04	1.10E-07	3.19E-08	1.35E-02	4.25E-06	1.24E-06	1.60E-04	5.05E-08	1.47E-08
2750 490610.04, 3859310.04	1.26E-02	3.97E-06	1.16E-06	3.02E-04	9.53E-08	2.77E-08	1.26E-02	3.99E-06	1.16E-06	3.49E-04	1.10E-07	3.20E-08	1.31E-02	4.13E-06	1.20E-06	1.61E-04	5.07E-08	1.48E-08
2751 490660.04, 3859310.04	1.21E-02	3.83E-06	1.12E-06	3.04E-04	9.58E-08	2.79E-08	1.22E-02	3.85E-06	1.12E-06	3.50E-04	1.11E-07	3.22E-08	1.26E-02	3.98E-06	1.16E-06	1.62E-04	5.10E-08	1.48E-08
2752 490710.04, 3859310.04	1.15E-02	3.62E-06	1.05E-06	3.06E-04	9.64E-08	2.80E-08	1.15E-02	3.63E-06	1.06E-06	3.53E-04	1.11E-07	3.24E-08	1.19E-02	3.76E-06	1.09E-06	1.62E-04	5.13E-08	1.49E-08
2753 490760.04, 3859310.04	1.10E-02	3.48E-06	1.01E-06	3.07E-04	9.69E-08	2.82E-08	1.11E-02	3.50E-06	1.02E-06	3.54E-04	1.12E-07	3.25E-08	1.14E-02	3.61E-06	1.05E-06	1.63E-04	5.15E-08	1.50E-08
2754 490810.04, 3859310.04	1.07E-02	3.39E-06	9.87E-07	3.09E-04	9.74E-08	2.83E-08	1.08E-02	3.41E-06	9.92E-07	3.56E-04	1.12E-07	3.27E-08	1.11E-02	3.52E-06	1.02E-06	1.64E-04	5.18E-08	1.51E-08
2755 490860.04, 3859310.04	1.04E-02	3.27E-06	9.52E-07	3.10E-04	9.79E-08	2.85E-08	1.04E-02	3.29E-06	9.57E-07	3.58E-04	1.13E-07	3.29E-08	1.07E-02	3.39E-06	9.86E-07	1.65E-04	5.20E-08	1.51E-08
2756 490360.04, 3859360.04	1.51E-02	4.75E-06	1.38E-06	2.86E-04	9.02E-08	2.62E-08	1.51E-02	4.77E-06	1.39E-06	3.30E-04	1.04E-07	3.03E-08	1.57E-02	4.96E-06	1.44E-06	1.53E-04	4.82E-08	1.40E-08
2757 490410.04, 3859360.04	1.46E-02	4.61E-06	1.34E-06	2.87E-04	9.05E-08	2.63E-08	1.47E-02	4.63E-06	1.35E-06	3.31E-04	1.04E-07	3.04E-08	1.52E-02	4.81E-06	1.40E-06	1.53E-04	4.83E-08	1.40E-08
2758 490460.04, 3859360.04	1.42E-02	4.48E-06	1.30E-06	2.87E-04	9.07E-08	2.64E-08	1.42E-02	4.49E-06	1.31E-06	3.32E-04	1.05E-07	3.05E-08	1.48E-02	4.67E-06	1.36E-06	1.53E-04	4.84E-08	1.41E-08
2759 490510.04, 3859360.04	1.38E-02	4.35E-06	1.27E-06	2.88E-04	9.10E-08	2.65E-08	1.38E-02	4.36E-06	1.27E-06	3.33E-04	1.05E-07	3.06E-08	1.44E-02	4.53E-06	1.32E-06	1.54E-04	4.85E-08	1.41E-08
2760 490560.04, 3859360.04	1.33E-02	4.19E-06	1.22E-06	2.90E-04	9.15E-08	2.66E-08	1.33E-02	4.21E-06	1.22E-06	3.34E-04	1.06E-07	3.07E-08	1.38E-02	4.36E-06	1.27E-06	1.54E-04	4.87E-08	1.42E-08
2761 490610.04, 3859360.04	1.28E-02	4.04E-06	1.18E-06	2.91E-04	9.19E-08	2.67E-08	1.29E-02	4.06E-06	1.18E-06	3.36E-04	1.06E-07	3.09E-08	1.33E-02	4.21E-06	1.22E-06	1.55E-04	4.89E-08	1.42E-08
2762 490660.04, 3859360.04	1.24E-02	3.92E-06	1.14E-06	2.93E-04	9.23E-08	2.69E-08	1.25E-02	3.93E-06	1.14E-06	3.38E-04	1.07E-07	3.10E-08	1.29E-02	4.07E-06	1.19E-06	1.56E-04	4.91E-08	1.43E-08
2763 490710.04, 3859360.04	1.19E-02	3.76E-06	1.09E-06	2.94E-04	9.29E-08	2.70E-08	1.20E-02	3.77E-06	1.10E-06	3.40E-04	1.07E-07	3.12E-08	1.24E-02	3.91E-06	1.14E-06	1.57E-04	4.94E-08	1.44E-08
2764 490760.04, 3859360.04	1.14E-02	3.59E-06	1.05E-06	2.96E-04	9.34E-08	2.72E-08	1.14E-02	3.61E-06	1.05E-06	3.41E-04	1.08E-07	3.13E-08	1.18E-02	3.73E-06	1.09E-06	1.57E-04	4.97E-08	1.44E-08
2765 490810.04, 3859360.04	1.12E-02	3.53E-06	1.03E-06	2.97E-04	9.38E-08	2.73E-08	1.12E-02	3.54E-06	1.03E-06	3.43E-04	1.08E-07	3.15E-08	1.16E-02	3.66E-06	1.06E-06	1.58E-04	4.99E-08	1.45E-08
2766 490860.04, 3859360.04	1.08E-02	3.41E-06	9.93E-07	2.99E-04	9.43E-08	2.74E-08	1.09E-02	3.43E-06	9.98E-07	3.45E-04	1.09E-07	3.17E-08	1.12E-02	3.54E-06	1.03E-06	1.59E-04	5.01E-08	1.46E-08
2767 490360.04, 3859410.04	1.53E-02	4.83E-06	1.40E-06	2.77E-04	8.74E-08	2.54E-08	1.53E-02	4.84E-06	1.41E-06	3.19E-04	1.01E-07	2.93E-08	1.60E-02	5.04E-06	1.47E-06	1.48E-04	4.67E-08	1.36E-08
2768 490410.04, 3859410.04	1.49E-02	4.70E-06	1.37E-06	2.77E-04	8.75E-08	2.55E-08	1.49E-02	4.71E-06	1.37E-06	3.20E-04	1.01E-07	2.94E-08	1.55E-02	4.90E-06	1.42E-06	1.48E-04	4.67E-08	1.36E-08

2769	490460.04, 3859410.04	1.45E-02	4.56E-06	1.33E-06	2.78E-04	8.77E-08	2.55E-08	1.45E-02	4.58E-06	1.33E-06	3.21E-04	1.01E-07	2.94E-08	1.51E-02	4.76E-06	1.38E-06	1.48E-04	4.68E-08	1.36E-08
2770	490510.04, 3859410.04	1.40E-02	4.43E-06	1.29E-06	2.79E-04	8.80E-08	2.56E-08	1.41E-02	4.45E-06	1.29E-06	3.22E-04	1.02E-07	2.95E-08	1.46E-02	4.62E-06	1.34E-06	1.49E-04	4.69E-08	1.36E-08
2771	490560.04, 3859410.04	1.36E-02	4.31E-06	1.25E-06	2.80E-04	8.83E-08	2.57E-08	1.37E-02	4.32E-06	1.26E-06	3.23E-04	1.02E-07	2.96E-08	1.42E-02	4.49E-06	1.31E-06	1.49E-04	4.70E-08	1.37E-08
2772	490610.04, 3859410.04	1.32E-02	4.18E-06	1.22E-06	2.81E-04	8.86E-08	2.58E-08	1.33E-02	4.20E-06	1.22E-06	3.24E-04	1.02E-07	2.97E-08	1.38E-02	4.35E-06	1.27E-06	1.50E-04	4.72E-08	1.37E-08
2773	490660.04, 3859410.04	1.27E-02	4.02E-06	1.17E-06	2.82E-04	8.91E-08	2.59E-08	1.28E-02	4.03E-06	1.17E-06	3.26E-04	1.03E-07	2.99E-08	1.32E-02	4.18E-06	1.22E-06	1.50E-04	4.74E-08	1.38E-08
2774	490710.04, 3859410.04	1.23E-02	3.87E-06	1.13E-06	2.84E-04	8.95E-08	2.60E-08	1.23E-02	3.89E-06	1.13E-06	3.27E-04	1.03E-07	3.00E-08	1.28E-02	4.03E-06	1.17E-06	1.51E-04	4.76E-08	1.39E-08
2775	490760.04, 3859410.04	1.17E-02	3.70E-06	1.08E-06	2.85E-04	9.00E-08	2.62E-08	1.18E-02	3.72E-06	1.08E-06	3.29E-04	1.04E-07	3.02E-08	1.22E-02	3.85E-06	1.12E-06	1.52E-04	4.79E-08	1.39E-08
2776	490810.04, 3859410.04	1.15E-02	3.62E-06	1.05E-06	2.86E-04	9.04E-08	2.63E-08	1.15E-02	3.64E-06	1.06E-06	3.31E-04	1.04E-07	3.03E-08	1.19E-02	3.76E-06	1.10E-06	1.52E-04	4.81E-08	1.40E-08
2777	490860.04, 3859410.04	1.13E-02	3.57E-06	1.04E-06	2.88E-04	9.08E-08	2.64E-08	1.13E-02	3.58E-06	1.04E-06	3.32E-04	1.05E-07	3.05E-08	1.17E-02	3.70E-06	1.08E-06	1.53E-04	4.83E-08	1.40E-08
2778	490360.04, 3859460.04	1.54E-02	4.87E-06	1.42E-06	2.69E-04	8.48E-08	2.47E-08	1.55E-02	4.89E-06	1.42E-06	3.10E-04	9.78E-08	2.85E-08	1.61E-02	5.09E-06	1.48E-06	1.44E-04	4.53E-08	1.32E-08
2779	490410.04, 3859460.04	1.50E-02	4.74E-06	1.38E-06	2.69E-04	8.49E-08	2.47E-08	1.51E-02	4.75E-06	1.38E-06	3.10E-04	9.80E-08	2.85E-08	1.57E-02	4.95E-06	1.44E-06	1.44E-04	4.53E-08	1.32E-08
2780	490460.04, 3859460.04	1.46E-02	4.61E-06	1.34E-06	2.69E-04	8.50E-08	2.47E-08	1.47E-02	4.63E-06	1.35E-06	3.11E-04	9.81E-08	2.85E-08	1.53E-02	4.82E-06	1.40E-06	1.44E-04	4.54E-08	1.32E-08
2781	490510.04, 3859460.04	1.42E-02	4.49E-06	1.31E-06	2.70E-04	8.52E-08	2.48E-08	1.43E-02	4.50E-06	1.31E-06	3.11E-04	9.83E-08	2.86E-08	1.48E-02	4.68E-06	1.36E-06	1.44E-04	4.54E-08	1.32E-08
2782	490560.04, 3859460.04	1.39E-02	4.37E-06	1.27E-06	2.71E-04	8.54E-08	2.48E-08	1.39E-02	4.39E-06	1.28E-06	3.12E-04	9.85E-08	2.87E-08	1.44E-02	4.56E-06	1.33E-06	1.44E-04	4.55E-08	1.32E-08
2783	490610.04, 3859460.04	1.34E-02	4.24E-06	1.23E-06	2.71E-04	8.57E-08	2.49E-08	1.35E-02	4.26E-06	1.24E-06	3.13E-04	9.89E-08	2.88E-08	1.40E-02	4.42E-06	1.29E-06	1.45E-04	4.57E-08	1.33E-08
2784	490660.04, 3859460.04	1.30E-02	4.11E-06	1.19E-06	2.73E-04	8.60E-08	2.50E-08	1.31E-02	4.12E-06	1.20E-06	3.15E-04	9.93E-08	2.89E-08	1.36E-02	4.28E-06	1.24E-06	1.45E-04	4.58E-08	1.33E-08
2785	490710.04, 3859460.04	1.27E-02	3.99E-06	1.16E-06	2.73E-04	8.63E-08	2.51E-08	1.27E-02	4.01E-06	1.17E-06	3.16E-04	9.96E-08	2.90E-08	1.32E-02	4.16E-06	1.21E-06	1.46E-04	4.60E-08	1.34E-08
2786	490760.04, 3859460.04	1.22E-02	3.86E-06	1.12E-06	2.75E-04	8.67E-08	2.52E-08	1.23E-02	3.88E-06	1.13E-06	3.17E-04	1.00E-07	2.91E-08	1.27E-02	4.02E-06	1.17E-06	1.46E-04	4.62E-08	1.34E-08
2787	490810.04, 3859460.04	1.19E-02	3.74E-06	1.09E-06	2.76E-04	8.71E-08	2.53E-08	1.19E-02	3.76E-06	1.09E-06	3.19E-04	1.01E-07	2.93E-08	1.23E-02	3.89E-06	1.13E-06	1.47E-04	4.64E-08	1.35E-08
2788	490860.04, 3859460.04	1.16E-02	3.67E-06	1.07E-06	2.77E-04	8.75E-08	2.54E-08	1.17E-02	3.68E-06	1.07E-06	3.20E-04	1.01E-07	2.94E-08	1.21E-02	3.82E-06	1.11E-06	1.47E-04	4.65E-08	1.35E-08
2789	490360.04, 3859510.04	1.55E-02	4.90E-06	1.43E-06	2.61E-04	8.25E-08	2.40E-08	1.56E-02	4.91E-06	1.43E-06	3.02E-04	9.52E-08	2.77E-08	1.62E-02	5.12E-06	1.49E-06	1.40E-04	4.41E-08	1.28E-08
2790	490410.04, 3859510.04	1.52E-02	4.78E-06	1.39E-06	2.61E-04	8.25E-08	2.40E-08	1.52E-02	4.80E-06	1.39E-06	3.01E-04	9.51E-08	2.77E-08	1.58E-02	4.99E-06	1.45E-06	1.40E-04	4.41E-08	1.28E-08
2791	490460.04, 3859510.04	1.48E-02	4.66E-06	1.35E-06	2.61E-04	8.25E-08	2.40E-08	1.48E-02	4.67E-06	1.36E-06	3.02E-04	9.52E-08	2.77E-08	1.54E-02	4.86E-06	1.41E-06	1.40E-04	4.41E-08	1.28E-08
2792	490510.04, 3859510.04	1.44E-02	4.54E-06	1.32E-06	2.62E-04	8.26E-08	2.40E-08	1.44E-02	4.55E-06	1.32E-06	3.02E-04	9.53E-08	2.77E-08	1.50E-02	4.74E-06	1.38E-06	1.40E-04	4.41E-08	1.28E-08
2793	490560.04, 3859510.04	1.40E-02	4.42E-06	1.29E-06	2.62E-04	8.27E-08	2.41E-08	1.41E-02	4.44E-06	1.29E-06	3.02E-04	9.55E-08	2.78E-08	1.46E-02	4.61E-06	1.34E-06	1.40E-04	4.41E-08	1.28E-08
2794	490610.04, 3859510.04	1.36E-02	4.30E-06	1.25E-06	2.63E-04	8.30E-08	2.41E-08	1.37E-02	4.31E-06	1.25E-06	3.03E-04	9.57E-08	2.78E-08	1.42E-02	4.48E-06	1.30E-06	1.40E-04	4.42E-08	1.29E-08
2795	490660.04, 3859510.04	1.32E-02	4.18E-06	1.22E-06	2.64E-04	8.32E-08	2.42E-08	1.33E-02	4.19E-06	1.22E-06	3.04E-04	9.60E-08	2.79E-08	1.38E-02	4.36E-06	1.27E-06	1.40E-04	4.43E-08	1.29E-08
2796	490710.04, 3859510.04	1.29E-02	4.06E-06	1.18E-06	2.65E-04	8.35E-08	2.43E-08	1.29E-02	4.07E-06	1.18E-06	3.05E-04	9.63E-08	2.80E-08	1.34E-02	4.23E-06	1.23E-06	1.41E-04	4.45E-08	1.29E-08
2797	490760.04, 3859510.04	1.25E-02	3.94E-06	1.15E-06	2.65E-04	8.38E-08	2.44E-08	1.25E-02	3.96E-06	1.15E-06	3.06E-04	9.67E-08	2.81E-08	1.30E-02	4.11E-06	1.19E-06	1.41E-04	4.46E-08	1.30E-08
2798	490810.04, 3859510.04	1.22E-02	3.84E-06	1.12E-06	2.66E-04	8.41E-08	2.45E-08	1.22E-02	3.86E-06	1.12E-06	3.07E-04	9.70E-08	2.82E-08	1.27E-02	4.00E-06	1.16E-06	1.42E-04	4.47E-08	1.30E-08
2799	490860.04, 3859510.04	1.18E-02	3.74E-06	1.09E-06	2.68E-04	8.44E-08	2.46E-08	1.19E-02	3.75E-06	1.09E-06	3.09E-04	9.74E-08	2.83E-08	1.23E-02	3.89E-06	1.13E-06	1.42E-04	4.49E-08	1.31E-08
2800	490360.04, 3859560.04	1.56E-02	4.92E-06	1.43E-06	2.55E-04	8.04E-08	2.34E-08	1.56E-02	4.93E-06	1.43E-06	2.94E-04	9.27E-08	2.70E-08	1.63E-02	5.14E-06	1.49E-06	1.36E-04	4.30E-08	1.25E-08
2801	490410.04, 3859560.04	1.52E-02	4.80E-06	1.40E-06	2.54E-04	8.02E-08	2.33E-08	1.53E-02	4.82E-06	1.40E-06	2.93E-04	9.26E-08	2.69E-08	1.59E-02	5.02E-06	1.46E-06	1.36E-04	4.29E-08	1.25E-08
2802	490460.04, 3859560.04	1.49E-02	4.69E-06	1.36E-06	2.54E-04	8.02E-08	2.33E-08	1.49E-02	4.70E-06	1.37E-06	2.93E-04	9.25E-08	2.69E-08	1.55E-02	4.90E-06	1.42E-06	1.36E-04	4.28E-08	1.25E-08
2803	490510.04, 3859560.04	1.45E-02	4.57E-06	1.33E-06	2.54E-04	8.03E-08	2.34E-08	1.45E-02	4.58E-06	1.33E-06	2.93E-04	9.26E-08	2.69E-08	1.51E-02	4.77E-06	1.39E-06	1.36E-04	4.29E-08	1.25E-08
2804	490560.04, 3859560.04	1.41E-02	4.46E-06	1.30E-06	2.54E-04	8.03E-08	2.34E-08	1.42E-02	4.48E-06	1.30E-06	2.94E-04	9.26E-08	2.69E-08	1.48E-02	4.66E-06	1.35E-06	1.36E-04	4.28E-08	1.25E-08
2805	490610.04, 3859560.04	1.38E-02	4.35E-06	1.26E-06	2.55E-04	8.04E-08	2.34E-08	1.38E-02	4.36E-06	1.27E-06	2.94E-04	9.28E-08	2.70E-08	1.44E-02	4.54E-06	1.32E-06	1.36E-04	4.29E-08	1.25E-08
2806	490660.04, 3859560.04	1.34E-02	4.23E-06	1.23E-06	2.55E-04	8.06E-08	2.34E-08	1.35E-02	4.25E-06	1.24E-06	2.95E-04	9.30E-08	2.71E-08	1.40E-02	4.42E-06	1.28E-06	1.36E-04	4.30E-08	1.25E-08
2807	490710.04, 3859560.04	1.30E-02	4.12E-06	1.20E-06	2.56E-04	8.08E-08	2.35E-08	1.31E-02	4.13E-06	1.20E-06	2.96E-04	9.33E-08	2.71E-08	1.36E-02	4.29E-06	1.25E-06	1.36E-04	4.31E-08	1.25E-08
2808	490760.04, 3859560.04	1.26E-02	3.99E-06	1.16E-06	2.57E-04	8.11E-08	2.36E-08	1.27E-02	4.00E-06	1.16E-06	2.97E-04	9.36E-08	2.72E-08	1.32E-02	4.16E-06	1.21E-06	1.37E-04	4.32E-08	1.26E-08
2809	490810.04, 3859560.04	1.23E-02	3.88E-06	1.13E-06	2.58E-04	8.14E-08	2.37E-08	1.23E-02	3.89E-06	1.13E-06	2.98E-04	9.39E-08	2.73E-08	1.28E-02	4.04E-06	1.18E-06	1.37E-04	4.33E-08	1.26E-08
2810	490860.04, 3859560.04	1.19E-02	3.77E-06	1.10E-06	2.59E-04	8.17E-08	2.38E-08	1.20E-02	3.78E-06	1.10E-06	2.99E-04	9.43E-08	2.74E-08	1.24E-02	3.93E-06	1.14E-06	1.38E-04	4.35E-08	1.26E-08
2811	490187.25, 3859422.08	1.69E-02	5.33E-06	1.55E-06	2.75E-04	8.68E-08	2.52E-08	1.69E-02	5.34E-06	1.55E-06	3.17E-04	1.00E-07	2.91E-08	1.76E-02	5.56E-06	1.62E-06	1.47E-04	4.64E-08	1.35E-08
2812	490237.25, 3859422.08	1.64E-02	5.18E-06	1.51E-06	2.75E-04	8.67E-08	2.52E-08	1.65E-02	5.20E-06	1.51E-06	3.17E-04	1.00E-07	2.91E-08	1.71E-02	5.41E-06	1.57E-06	1.47E-04	4.64E-08	1.35E-08
2813	490287.25, 3859422.08	1.60E-02	5.04E-06	1.47E-06	2.75E-04	8.67E-08	2.52E-08	1.60E-02	5.06E-06	1.47E-06	3.17E-04	1.00E-07	2.91E-08	1.67E-02	5.27E-06	1.53E-06	1.47E-04	4.63E-08	1.35E-08
2814	490337.25, 3859422.08	1.55E-02	4.90E-06	1.42E-06	2.75E-04	8.67E-08	2.52E-08	1.56E-02	4.91E-06	1.43E-06	3.17E-04	1.00E-07	2.91E-08	1.62E-02	5.11E-06	1.49E-06	1.47E-04	4.63E-08	1.35E-08
2815	490187.25, 3859472.08	1.69E-02	5.33E-06	1.55E-06	2.68E-04	8.46E-08	2.46E-08	1.69E-02	5.35E-06	1.56E-06	3.09E-04	9.76E-08	2.84E-08	1.77E-02	5.57E-06	1.62E-06	1.44E-04	4.53E-08	1.32E-08
2816	490237.25, 3859472.08	1.65E-02	5.20E-06	1.51E-06	2.68E-04	8.44E-08	2.46E-08	1.65E-02	5.21E-06	1.52E-06	3.09E-04	9.74E-08	2.83E-08	1.72E-02	5.43E-06	1.58E-06	1.43E-04	4.52E-08	1.31E-08
2817	490287.25, 3859472.08	1.60E-02	5.06E-06	1.47E-06	2.67E-04	8.44E-08	2.45E-08	1.61E-02	5.07E-06	1.48E-06	3.08E-04	9.73E-08	2.83E-08	1.67E-02	5.29E-06	1.54E-06	1.43E-04	4.51E-08	1.31E-08
2818	490337.25, 3859472.08	1.56E-02	4.94E-06	1.44E-06	2.67E-04	8.43E-08	2.45E-08	1.57E-02	4.95E-06	1.44E-06	3.08E-04	9.72E-08	2.83E-08	1.63E-02	5.16E-06	1.50E-06	1.43E-04	4.50E-08	1.31E-08
2819	490297.07, 3859500.42	1.60E-02	5.05E-06	1.47E-06	2.63E-04	8.31E-08	2.42E-08	1.60E-02	5.06E-06	1.47E-06	3.04E-04	9.58E-08	2.79E-08	1.67E-02	5.27E-06	1.53E-06	1.41E-04	4.44E-08	1.29E-08
2820	490327.07, 3859500.42	1.58E-02	4.98E-06	1.45E-06	2.63E-04	8.29E-08	2.41E-08	1.58E-02	5.00E-06	1.45E-06	3.03E-04	9.57E-08	2.78E-08	1.65E-02	5.20E-06	1.51E-06	1.40E-04	4.43E-08	1.29E-08
2821	490297.07, 3859530.42	1.60E-02	5.06E-06	1.47E-06	2.59E-04	8.17E-08	2.38E-08	1.61E-02	5.08E-06	1.48E-06	2.99E-04	9.43E-08	2.74E-08	1.68E-02	5.29E-06	1.54E-06	1.39E-04	4.37E-08	1.27E-08
2822	490327.07, 3859530.42	1.58E-02	4.99E-06	1.45E-06	2.59E-04	8.17E-08	2.38E-08	1.59E-02	5.00E-06	1.46E-06	2.98E-04	9.42E-08	2.74E-08	1.65E-02	5.21E-06	1.52E-06	1.38E-04	4.37E-08	1.27E-08
2823	490319.73, 3859055.34	1.45E-02	4.58E-06	1.33E-06	3.54E-04	1.12E-07	3.25E-08	1.46E-02	4.60E-06	1.34E-06	4.09E-04	1.29E-07	3.75E-08	1.51E-02	4.76E-06	1.39E-06	1.88E-04	5.95E-08	1.73E-08
2824	490319.73, 3859105.34	1.46E-02	4.62E-06	1.34E-06	3.41E-04	1.08E-07	3.13E-08	1.47E-02	4.63E-06	1.35E-06	3.93E-04	1.24E-07	3.61E-08	1.52E-02	4.80E-06	1.40E-06	1.81E-04	5.72E-08	1.66E-08
2825	490069.73, 3859155.34	1.72E-02	5.44E-06	1.58E-06	3.21E-04	1.01E-07	2.95E-08	1.73E-02	5.46E-06	1.59E-06	3.71E-04	1.17E-07	3.40E-08	1.80E-02	5.67E-06	1.65E-06	1.72E-04	5.41E-08	1.57E-08
2826	490119.73, 3859155.34	1.68E-02	5.29E-06	1.54E-06	3.22E-04	1.02E-07	2.96E-08	1.68E-02	5.31E-06	1.54E-06	3.72E-04	1.17E-07	3.41E-08	1.75E-02	5.52E-06	1.60E-06	1.72E-04	5.42E-08	1.58E-08
2827	490269.73, 3859155.34	1.54E-02	4.86E-06	1.41E-06	3.26E-04	1.03E-07	2.99E-08	1.55E-02	4.88E-06	1.42E-06	3.76E-04	1.19E-07	3.45E-08	1.61E-02	5.07E-06	1.47E-06	1.73E-04	5.47E-08	1.59E-08
2828	490319.73, 3859155.34	1.48E-02	4.68E-06	1.36E-06	3.28E-04	1.03E-07	3.01E-08	1.49E-02	4.69E-06	1.37E-06	3.78E-04	1.19E-07	3.47E-08	1.54E-02	4.87E-06	1.42E-06	1.75E-04	5.51E-08	1.60E-08
2829	490069.73, 3859205.34	1.75E-02	5.54E-06	1.61E-06	3.11E-04	9.81E-08	2.85E-08	1.76E-02	5.55E-06	1.62E-06	3.59E-04	1.13E-07	3.29E-08	1.83E-02	5.78E-06	1.68E-06	1.66E-04	5.24E-08	1.52E-08
2830	490119.73, 3859205.34	1.71E-02	5.41E-06	1.57E-06	3.11E-04	9.81E-08	2.85E-08	1.72E-02	5.43E-06	1.58E-06	3.59E-04	1.13E-07	3.29E-08	1.79E-02	5.65E-06	1.64E-06	1.66E-04	5.24E-08	1.52E-08
2831	490169.73, 3859205.34	1.67E-02	5.26E-06	1.53E-06	3.11E-04	9.83E-08	2.86E-08	1.67E-02	5.27E-06	1.53E-06	3.59E-04	1.13E-07	3.30E-08	1.74E-02	5.48E-06	1.59E-06	1.66E-04	5.24E-08	1.53E-08
2832	490219.73, 3859205.34	1.61E-02	5.07E-06	1.48E-06	3.13E-04	9.87E-08	2.87E-08	1.61E-02	5.09E-06	1.48E-06	3.61E-04	1.14E-07	3.31E-08	1.68E-02	5.29E-06	1.54E-06	1.67E-04	5.27E-08	1.53E-08
2833	490269.73, 3859205.34	1.54E-02	4.87E-06	1.42E-06	3.15E-04	9.94E-08	2.89E-08	1.55E-02	4.88E-06	1.42E-06	3.63E-04	1.15E-07	3.34E-08	1.61E-02	5.07E-06	1.48E-06	1.68E-04	5.30E-08	1.54E-08
2834	490319.73, 3859205.34	1.49E-02	4.71E-06	1.37E-06	3.16E-04	9.98E-08	2.90E-08	1.50E-02	4.73E-06	1.37E-06	3.65E-04	1.15E-07	3.35E-08	1.55E-02	4.91E-06	1.43E-06	1.69E-04	5.32E-08	1.55E-08

2835 490069.73, 3859255.34	1.77E-02	5.58E-06	1.62E-06	3.02E-04	9.53E-08	2.77E-08	1.77E-02	5.60E-06	1.63E-06	3.48E-04	1.10E-07	3.20E-08	1.85E-02	5.83E-06	1.70E-06	1.61E-04	5.09E-08	1.48E-08
2836 490119.73, 3859255.34	1.73E-02	5.45E-06	1.58E-06	3.02E-04	9.52E-08	2.77E-08	1.73E-02	5.46E-06	1.59E-06	3.48E-04	1.10E-07	3.19E-08	1.80E-02	5.69E-06	1.65E-06	1.61E-04	5.09E-08	1.48E-08
2837 490169.73, 3859255.34	1.68E-02	5.30E-06	1.54E-06	3.02E-04	9.53E-08	2.77E-08	1.68E-02	5.31E-06	1.55E-06	3.48E-04	1.10E-07	3.20E-08	1.75E-02	5.53E-06	1.61E-06	1.61E-04	5.09E-08	1.48E-08
2838 490219.73, 3859255.34	1.62E-02	5.12E-06	1.49E-06	3.03E-04	9.56E-08	2.78E-08	1.63E-02	5.13E-06	1.49E-06	3.49E-04	1.10E-07	3.21E-08	1.69E-02	5.34E-06	1.55E-06	1.62E-04	5.10E-08	1.48E-08
2839 490269.73, 3859255.34	1.56E-02	4.93E-06	1.43E-06	3.04E-04	9.60E-08	2.79E-08	1.57E-02	4.95E-06	1.44E-06	3.51E-04	1.11E-07	3.22E-08	1.63E-02	5.14E-06	1.50E-06	1.62E-04	5.12E-08	1.49E-08
2840 490319.73, 3859255.34	1.51E-02	4.77E-06	1.39E-06	3.05E-04	9.64E-08	2.80E-08	1.52E-02	4.79E-06	1.39E-06	3.52E-04	1.11E-07	3.23E-08	1.58E-02	4.97E-06	1.45E-06	1.63E-04	5.14E-08	1.49E-08
2841 490069.73, 3859305.34	1.78E-02	5.61E-06	1.63E-06	2.94E-04	9.28E-08	2.70E-08	1.78E-02	5.63E-06	1.64E-06	3.39E-04	1.07E-07	3.11E-08	1.86E-02	5.86E-06	1.70E-06	1.57E-04	4.96E-08	1.44E-08
2842 490119.73, 3859305.34	1.74E-02	5.48E-06	1.59E-06	2.93E-04	9.25E-08	2.69E-08	1.74E-02	5.49E-06	1.60E-06	3.38E-04	1.07E-07	3.10E-08	1.81E-02	5.72E-06	1.66E-06	1.57E-04	4.95E-08	1.44E-08
2843 490169.73, 3859305.34	1.69E-02	5.33E-06	1.55E-06	2.93E-04	9.25E-08	2.69E-08	1.69E-02	5.35E-06	1.55E-06	3.38E-04	1.07E-07	3.10E-08	1.76E-02	5.57E-06	1.62E-06	1.57E-04	4.94E-08	1.44E-08
2844 490219.73, 3859305.34	1.64E-02	5.17E-06	1.50E-06	2.94E-04	9.26E-08	2.69E-08	1.64E-02	5.18E-06	1.51E-06	3.39E-04	1.07E-07	3.11E-08	1.71E-02	5.39E-06	1.57E-06	1.57E-04	4.95E-08	1.44E-08
2845 490269.73, 3859305.34	1.58E-02	5.00E-06	1.45E-06	2.94E-04	9.29E-08	2.70E-08	1.59E-02	5.01E-06	1.46E-06	3.39E-04	1.07E-07	3.12E-08	1.65E-02	5.22E-06	1.52E-06	1.57E-04	4.96E-08	1.44E-08
2846 490319.73, 3859305.34	1.53E-02	4.82E-06	1.40E-06	2.95E-04	9.33E-08	2.71E-08	1.53E-02	4.83E-06	1.41E-06	3.41E-04	1.08E-07	3.13E-08	1.59E-02	5.02E-06	1.46E-06	1.58E-04	4.97E-08	1.45E-08
2847 490069.73, 3859355.34	1.79E-02	5.64E-06	1.64E-06	2.86E-04	9.04E-08	2.63E-08	1.79E-02	5.66E-06	1.65E-06	3.30E-04	1.04E-07	3.03E-08	1.87E-02	5.90E-06	1.72E-06	1.53E-04	4.84E-08	1.41E-08
2848 490119.73, 3859355.34	1.75E-02	5.51E-06	1.60E-06	2.85E-04	9.00E-08	2.62E-08	1.75E-02	5.52E-06	1.61E-06	3.29E-04	1.04E-07	3.02E-08	1.82E-02	5.76E-06	1.67E-06	1.53E-04	4.81E-08	1.40E-08
2849 490169.73, 3859355.34	1.70E-02	5.36E-06	1.56E-06	2.85E-04	8.99E-08	2.61E-08	1.70E-02	5.38E-06	1.56E-06	3.28E-04	1.04E-07	3.02E-08	1.77E-02	5.60E-06	1.63E-06	1.52E-04	4.81E-08	1.40E-08
2850 490219.73, 3859355.34	1.65E-02	5.20E-06	1.51E-06	2.85E-04	9.00E-08	2.62E-08	1.65E-02	5.22E-06	1.52E-06	3.29E-04	1.04E-07	3.02E-08	1.72E-02	5.43E-06	1.58E-06	1.52E-04	4.81E-08	1.40E-08
2851 490269.73, 3859355.34	1.60E-02	5.05E-06	1.47E-06	2.85E-04	9.00E-08	2.62E-08	1.61E-02	5.07E-06	1.47E-06	3.29E-04	1.04E-07	3.02E-08	1.67E-02	5.27E-06	1.53E-06	1.52E-04	4.81E-08	1.40E-08
2852 490319.73, 3859355.34	1.55E-02	4.89E-06	1.42E-06	2.86E-04	9.03E-08	2.63E-08	1.55E-02	4.90E-06	1.43E-06	3.30E-04	1.04E-07	3.03E-08	1.62E-02	5.10E-06	1.48E-06	1.53E-04	4.82E-08	1.40E-08
2853 490069.73, 3859405.34	1.79E-02	5.66E-06	1.65E-06	2.79E-04	8.81E-08	2.56E-08	1.80E-02	5.68E-06	1.65E-06	3.22E-04	1.02E-07	2.96E-08	1.88E-02	5.92E-06	1.72E-06	1.50E-04	4.72E-08	1.37E-08
2854 490119.73, 3859405.34	1.75E-02	5.52E-06	1.61E-06	2.78E-04	8.78E-08	2.55E-08	1.75E-02	5.54E-06	1.61E-06	3.21E-04	1.01E-07	2.94E-08	1.83E-02	5.77E-06	1.68E-06	1.49E-04	4.70E-08	1.37E-08
2855 490169.73, 3859405.34	1.70E-02	5.37E-06	1.56E-06	2.77E-04	8.76E-08	2.55E-08	1.71E-02	5.39E-06	1.57E-06	3.20E-04	1.01E-07	2.94E-08	1.78E-02	5.61E-06	1.63E-06	1.48E-04	4.68E-08	1.36E-08
2856 490219.73, 3859405.34	1.66E-02	5.23E-06	1.52E-06	2.77E-04	8.75E-08	2.54E-08	1.66E-02	5.24E-06	1.53E-06	3.20E-04	1.01E-07	2.93E-08	1.73E-02	5.46E-06	1.59E-06	1.48E-04	4.68E-08	1.36E-08
2857 490269.73, 3859405.34	1.61E-02	5.08E-06	1.48E-06	2.77E-04	8.75E-08	2.55E-08	1.61E-02	5.09E-06	1.48E-06	3.20E-04	1.01E-07	2.94E-08	1.68E-02	5.30E-06	1.54E-06	1.48E-04	4.68E-08	1.36E-08
2858 490319.73, 3859405.34	1.56E-02	4.93E-06	1.43E-06	2.78E-04	8.76E-08	2.55E-08	1.57E-02	4.94E-06	1.44E-06	3.20E-04	1.01E-07	2.94E-08	1.63E-02	5.14E-06	1.50E-06	1.48E-04	4.68E-08	1.36E-08
2859 490161.89, 3859541.83	1.71E-02	5.40E-06	1.57E-06	2.60E-04	8.22E-08	2.39E-08	1.71E-02	5.41E-06	1.57E-06	3.00E-04	9.48E-08	2.76E-08	1.79E-02	5.64E-06	1.64E-06	1.39E-04	4.40E-08	1.28E-08
2860 490171.89, 3859541.83	1.70E-02	5.37E-06	1.56E-06	2.60E-04	8.21E-08	2.39E-08	1.71E-02	5.38E-06	1.57E-06	3.00E-04	9.47E-08	2.75E-08	1.78E-02	5.62E-06	1.63E-06	1.39E-04	4.40E-08	1.28E-08
2861 490161.89, 3859551.83	1.71E-02	5.39E-06	1.57E-06	2.59E-04	8.18E-08	2.38E-08	1.71E-02	5.41E-06	1.57E-06	2.99E-04	9.44E-08	2.74E-08	1.79E-02	5.64E-06	1.64E-06	1.39E-04	4.38E-08	1.28E-08
2862 490171.89, 3859551.83	1.70E-02	5.37E-06	1.56E-06	2.59E-04	8.18E-08	2.38E-08	1.71E-02	5.38E-06	1.57E-06	2.99E-04	9.43E-08	2.74E-08	1.78E-02	5.61E-06	1.63E-06	1.39E-04	4.38E-08	1.27E-08
2863 489799.72, 3859348.21	2.08E-02	6.57E-06	1.91E-06	2.96E-04	9.35E-08	2.72E-08	2.09E-02	6.58E-06	1.91E-06	3.42E-04	1.08E-07	3.14E-08	2.18E-02	6.87E-06	2.00E-06	1.59E-04	5.02E-08	1.46E-08
2864 489819.72, 3859348.21	2.06E-02	6.49E-06	1.89E-06	2.95E-04	9.32E-08	2.71E-08	2.06E-02	6.50E-06	1.89E-06	3.41E-04	1.07E-07	3.13E-08	2.15E-02	6.79E-06	1.97E-06	1.58E-04	5.00E-08	1.45E-08
2865 489799.72, 3859368.21	2.08E-02	6.56E-06	1.91E-06	2.94E-04	9.28E-08	2.70E-08	2.08E-02	6.58E-06	1.91E-06	3.39E-04	1.07E-07	3.11E-08	2.18E-02	6.87E-06	2.00E-06	1.58E-04	4.98E-08	1.45E-08
2866 489819.72, 3859368.21	2.05E-02	6.48E-06	1.89E-06	2.93E-04	9.26E-08	2.69E-08	2.06E-02	6.50E-06	1.89E-06	3.38E-04	1.07E-07	3.10E-08	2.15E-02	6.78E-06	1.97E-06	1.57E-04	4.96E-08	1.44E-08
2867 489775.41, 3859329.72	2.11E-02	6.67E-06	1.94E-06	2.99E-04	9.45E-08	2.75E-08	2.12E-02	6.69E-06	1.95E-06	3.45E-04	1.09E-07	3.17E-08	2.21E-02	6.98E-06	2.03E-06	1.61E-04	5.07E-08	1.47E-08
2868 489795.41, 3859329.72	2.09E-02	6.59E-06	1.92E-06	2.99E-04	9.42E-08	2.74E-08	2.09E-02	6.61E-06	1.92E-06	3.44E-04	1.09E-07	3.16E-08	2.19E-02	6.90E-06	2.01E-06	1.60E-04	5.05E-08	1.47E-08
2869 489775.41, 3859349.72	2.11E-02	6.67E-06	1.94E-06	2.97E-04	9.38E-08	2.73E-08	2.12E-02	6.68E-06	1.94E-06	3.43E-04	1.08E-07	3.15E-08	2.21E-02	6.98E-06	2.03E-06	1.59E-04	5.03E-08	1.46E-08
2870 489795.41, 3859349.72	2.09E-02	6.58E-06	1.91E-06	2.96E-04	9.36E-08	2.72E-08	2.09E-02	6.60E-06	1.92E-06	3.42E-04	1.08E-07	3.14E-08	2.18E-02	6.89E-06	2.00E-06	1.59E-04	5.02E-08	1.46E-08
2871 489595.05, 3859219.43	2.37E-02	7.48E-06	2.18E-06	3.21E-04	1.01E-07	2.95E-08	2.38E-02	7.50E-06	2.18E-06	3.70E-04	1.17E-07	3.40E-08	2.48E-02	7.83E-06	2.28E-06	1.72E-04	5.44E-08	1.58E-08
2872 489615.05, 3859219.43	2.33E-02	7.36E-06	2.14E-06	3.20E-04	1.01E-07	2.94E-08	2.34E-02	7.38E-06	2.15E-06	3.69E-04	1.17E-07	3.39E-08	2.44E-02	7.71E-06	2.24E-06	1.72E-04	5.42E-08	1.58E-08
2873 489595.05, 3859239.43	2.38E-02	7.51E-06	2.19E-06	3.19E-04	1.01E-07	2.93E-08	2.39E-02	7.53E-06	2.19E-06	3.67E-04	1.16E-07	3.37E-08	2.49E-02	7.86E-06	2.29E-06	1.71E-04	5.40E-08	1.57E-08
2874 489615.05, 3859239.43	2.34E-02	7.39E-06	2.15E-06	3.18E-04	1.00E-07	2.92E-08	2.35E-02	7.41E-06	2.15E-06	3.66E-04	1.16E-07	3.36E-08	2.45E-02	7.74E-06	2.25E-06	1.70E-04	5.38E-08	1.56E-08
2875 489372.4, 3859092.58	2.70E-02	8.52E-06	2.48E-06	3.49E-04	1.10E-07	3.20E-08	2.71E-02	8.54E-06	2.48E-06	4.03E-04	1.27E-07	3.70E-08	2.83E-02	8.92E-06	2.60E-06	1.87E-04	5.89E-08	1.71E-08
2876 489422.4, 3859092.58	2.59E-02	8.17E-06	2.38E-06	3.46E-04	1.09E-07	3.18E-08	2.59E-02	8.19E-06	2.38E-06	4.00E-04	1.26E-07	3.67E-08	2.71E-02	8.55E-06	2.49E-06	1.85E-04	5.85E-08	1.70E-08
2877 489372.4, 3859142.58	2.77E-02	8.75E-06	2.54E-06	3.42E-04	1.08E-07	3.14E-08	2.78E-02	8.77E-06	2.55E-06	3.95E-04	1.25E-07	3.62E-08	2.90E-02	9.17E-06	2.67E-06	1.83E-04	5.79E-08	1.68E-08
2878 489422.4, 3859142.58	2.66E-02	8.38E-06	2.44E-06	3.40E-04	1.07E-07	3.12E-08	2.66E-02	8.40E-06	2.44E-06	3.92E-04	1.24E-07	3.60E-08	2.78E-02	8.78E-06	2.55E-06	1.82E-04	5.74E-08	1.67E-08
2879 488870.84, 3858666.64	2.03E-02	6.42E-06	1.87E-06	4.58E-04	1.45E-07	4.21E-08	2.04E-02	6.44E-06	1.87E-06	5.29E-04	1.67E-07	4.86E-08	2.12E-02	6.68E-06	1.94E-06	2.43E-04	7.68E-08	2.24E-08
2880 488900.84, 3858666.64	2.01E-02	6.35E-06	1.85E-06	4.57E-04	1.44E-07	4.19E-08	2.02E-02	6.38E-06	1.85E-06	5.27E-04	1.66E-07	4.84E-08	2.09E-02	6.61E-06	1.92E-06	2.43E-04	7.66E-08	2.23E-08
2881 488870.84, 3858696.64	2.15E-02	6.77E-06	1.97E-06	4.51E-04	1.42E-07	4.14E-08	2.15E-02	6.80E-06	1.98E-06	5.20E-04	1.64E-07	4.78E-08	2.24E-02	7.06E-06	2.05E-06	2.39E-04	7.55E-08	2.20E-08
2882 488900.84, 3858696.64	2.12E-02	6.69E-06	1.95E-06	4.49E-04	1.42E-07	4.12E-08	2.13E-02	6.72E-06	1.95E-06	5.18E-04	1.64E-07	4.76E-08	2.21E-02	6.97E-06	2.03E-06	2.38E-04	7.52E-08	2.19E-08
2883 488889.67, 3858683.97	2.08E-02	6.57E-06	1.91E-06	4.53E-04	1.43E-07	4.16E-08	2.09E-02	6.59E-06	1.92E-06	5.23E-04	1.65E-07	4.80E-08	2.17E-02	6.84E-06	1.99E-06	2.40E-04	7.59E-08	2.21E-08
2884 488919.67, 3858683.97	2.06E-02	6.50E-06	1.89E-06	4.51E-04	1.42E-07	4.14E-08	2.07E-02	6.52E-06	1.90E-06	5.21E-04	1.64E-07	4.78E-08	2.14E-02	6.77E-06	1.97E-06	2.40E-04	7.56E-08	2.20E-08
2885 488889.67, 3858713.97	2.20E-02	6.95E-06	2.02E-06	4.45E-04	1.41E-07	4.09E-08	2.21E-02	6.97E-06	2.03E-06	5.14E-04	1.62E-07	4.72E-08	2.29E-02	7.24E-06	2.11E-06	2.36E-04	7.46E-08	2.17E-08
2886 488919.67, 3858713.97	2.17E-02	6.86E-06	1.99E-06	4.43E-04	1.40E-07	4.07E-08	2.18E-02	6.88E-06	2.00E-06	5.12E-04	1.62E-07	4.70E-08	2.26E-02	7.15E-06	2.08E-06	2.36E-04	7.43E-08	2.16E-08
2887 488906.61, 3858703.33	2.14E-02	6.76E-06	1.97E-06	4.47E-04	1.41E-07	4.10E-08	2.15E-02	6.79E-06	1.97E-06	5.16E-04	1.63E-07	4.74E-08	2.23E-02	7.04E-06	2.05E-06	2.37E-04	7.49E-08	2.18E-08
2888 488936.61, 3858703.33	2.11E-02	6.67E-06	1.94E-06	4.45E-04	1.41E-07	4.09E-08	2.12E-02	6.70E-06	1.95E-06	5.14E-04	1.62E-07	4.72E-08	2.20E-02	6.95E-06	2.02E-06	2.37E-04	7.46E-08	2.17E-08
2889 488906.61, 3858733.33	2.26E-02	7.14E-06	2.08E-06	4.40E-04	1.39E-07	4.04E-08	2.27E-02	7.17E-06	2.08E-06	5.08E-04	1.60E-07	4.66E-08	2.36E-02	7.45E-06	2.17E-06	2.34E-04	7.37E-08	2.14E-08
2890 488936.61, 3858733.33	2.23E-02	7.05E-06	2.05E-06	4.38E-04	1.38E-07	4.02E-08	2.24E-02	7.07E-06	2.06E-06	5.06E-04	1.60E-07	4.64E-08	2.33E-02	7.35E-06	2.14E-06	2.33E-04	7.34E-08	2.14E-08
2891 488637.63, 3858467.85	1.74E-02	5.50E-06	1.60E-06	5.36E-04	1.69E-07	4.92E-08	1.75E-02	5.53E-06	1.61E-06	6.18E-04	1.95E-07	5.68E-08	1.80E-02	5.70E-06	1.66E-06	2.85E-04	9.01E-08	2.62E-08
2892 488662.63, 3858467.85	1.73E-02	5.46E-06	1.59E-06	5.34E-04	1.69E-07	4.90E-08	1.74E-02	5.49E-06	1.60E-06	6.16E-04	1.94E-07	5.66E-08	1.79E-02	5.65E-06	1.64E-06	2.84E-04	8.98E-08	2.61E-08
2893 488637.63, 3858492.85	1.78E-02	5.60E-06	1.63E-06	5.26E-04	1.66E-07	4.83E-08	1.78E-02	5.63E-06	1.64E-06	6.08E-04	1.92E-07	5.58E-08	1.84E-02	5.80E-06	1.69E-06	2.80E-04	8.84E-08	2.57E-08
2894 488662.63, 3858492.85	1.76E-02	5.56E-06	1.62E-06	5.25E-04	1.66E-07	4.82E-08	1.77E-02	5.59E-06	1.63E-06	6.06E-04	1.91E-07	5.56E-08	1.82E-02	5.76E-06	1.67E-06	2.79E-04	8.81E-08	2.56E-08
2895 488687.63, 3858492.85	1.75E-02	5.51E-06	1.60E-06	5.23E-04	1.65E-07	4.80E-08	1.76E-02	5.54E-06	1.61E-06	6.04E-04	1.91E-07	5.54E-08	1.81E-02	5.71E-06	1.66E-06	2.79E-04	8.79E-08	2.56E-08
2896 488637.63, 3858517.85	1.81E-02	5.73E-06	1.67E-06	5.17E-04	1.63E-07	4.75E-08	1.82E-02	5.75E-06	1.67E-06	5.97E-04	1.88E-07	5.48E-08	1.88E-02	5.93E-06	1.73E-06	2.75E-04	8.67E-08	2.52E-08
2897 488662.63, 3858517.85	1.80E-02	5.68E-06	1.65E-06	5.16E-04	1.63E-07	4.73E-08	1.81E-02	5.70E-06	1.66E-06	5.95E-04	1.88E-07	5.46E-08	1.86E-02	5.88E-06	1.71E-06	2.74E-04	8.65E-08	2.52E-08
2898 488687.63, 3858517.85	1.78E-02	5.63E-06	1.64E-06	5.14E-04	1.62E-07	4.72E-08	1.79E-02	5.66E-06	1.65E-06	5.93E-04	1.87E-07	5.45E-08	1.85E-02	5.84E-06	1.70E-06	2.73E-04	8.63E-08	2.51E-08
2899 488194.42, 3857168.98	1.11E-02	3.52E-06	1.02E-06	3.23E-03	1.02E-06	2.96E-07	1.17E-02	3.69E-06	1.07E-06	3.74E-03	1.18E-06	3.43E-07	9.77E-03	3.08E-06	8.97E-07	1.68E-03	5.30E-07	1.54E-07
2900 488244.42, 3857168.98	1.10E-02	3.48E-06	1.01E-06	3.11E-03	9.82E-07	2.86E-07	1.16E-02	3.65E-06	1.06E-06	3.60E-03	1.14E-06	3.31E-07	9.71E-03	3.06E-06	8.91E-07	1.62E-03	5.11E-07	1.49E-07

2901 488294.42, 3857168.98	1.09E-02	3.43E-06	9.98E-07	3.01E-03	9.49E-07	2.76E-07	1.14E-02	3.60E-06	1.05E-06	3.48E-03	1.10E-06	3.20E-07	9.62E-03	3.04E-06	8.83E-07	1.57E-03	4.94E-07	1.44E-07
2902 488244.42, 3857218.98	1.09E-02	3.45E-06	1.00E-06	2.92E-03	9.22E-07	2.68E-07	1.14E-02	3.61E-06	1.05E-06	3.38E-03	1.07E-06	3.11E-07	9.73E-03	3.07E-06	8.93E-07	1.52E-03	4.80E-07	1.40E-07
2903 488294.42, 3857218.98	1.08E-02	3.41E-06	9.93E-07	2.83E-03	8.93E-07	2.60E-07	1.13E-02	3.57E-06	1.04E-06	3.28E-03	1.03E-06	3.01E-07	9.66E-03	3.05E-06	8.87E-07	1.47E-03	4.65E-07	1.35E-07
2904 488294.42, 3857268.98	1.08E-02	3.40E-06	9.89E-07	2.64E-03	8.35E-07	2.43E-07	1.12E-02	3.54E-06	1.03E-06	3.06E-03	9.67E-07	2.81E-07	9.73E-03	3.07E-06	8.93E-07	1.38E-03	4.35E-07	1.26E-07
2905 488139.13, 3857111.68	1.15E-02	3.62E-06	1.05E-06	3.61E-03	1.14E-06	3.31E-07	1.21E-02	3.81E-06	1.11E-06	4.18E-03	1.32E-06	3.83E-07	9.87E-03	3.12E-06	9.07E-07	1.88E-03	5.92E-07	1.72E-07
2906 488189.13, 3857111.68	1.13E-02	3.57E-06	1.04E-06	3.46E-03	1.09E-06	3.18E-07	1.19E-02	3.76E-06	1.09E-06	4.01E-03	1.27E-06	3.68E-07	9.81E-03	3.10E-06	9.00E-07	1.80E-03	5.68E-07	1.65E-07
2907 488189.13, 3857161.68	1.12E-02	3.53E-06	1.03E-06	3.27E-03	1.03E-06	3.00E-07	1.17E-02	3.71E-06	1.08E-06	3.79E-03	1.19E-06	3.47E-07	9.78E-03	3.09E-06	8.98E-07	1.70E-03	5.37E-07	1.56E-07
2908 487951.04, 3856961.26	1.28E-02	4.03E-06	1.17E-06	4.91E-03	1.55E-06	4.50E-07	1.36E-02	4.30E-06	1.25E-06	5.68E-03	1.79E-06	5.22E-07	1.04E-02	3.30E-06	9.59E-07	2.55E-03	8.05E-07	2.34E-07
2909 488001.04, 3856961.26	1.25E-02	3.93E-06	1.14E-06	4.68E-03	1.48E-06	4.30E-07	1.33E-02	4.19E-06	1.22E-06	5.42E-03	1.71E-06	4.97E-07	1.03E-02	3.24E-06	9.42E-07	2.43E-03	7.68E-07	2.23E-07
2910 488051.04, 3856961.26	1.21E-02	3.83E-06	1.11E-06	4.48E-03	1.41E-06	4.11E-07	1.29E-02	4.07E-06	1.18E-06	5.19E-03	1.64E-06	4.76E-07	1.00E-02	3.17E-06	9.23E-07	2.33E-03	7.35E-07	2.14E-07
2911 488101.04, 3856961.26	1.19E-02	3.76E-06	1.09E-06	4.27E-03	1.35E-06	3.92E-07	1.27E-02	4.00E-06	1.16E-06	4.95E-03	1.56E-06	4.54E-07	9.95E-03	3.14E-06	9.13E-07	2.22E-03	7.02E-07	2.04E-07
2912 487951.04, 3857011.26	1.27E-02	4.01E-06	1.17E-06	4.71E-03	1.49E-06	4.32E-07	1.35E-02	4.27E-06	1.24E-06	5.45E-03	1.72E-06	5.01E-07	1.05E-02	3.32E-06	9.65E-07	2.45E-03	7.73E-07	2.25E-07
2913 488001.04, 3857011.26	1.24E-02	3.90E-06	1.14E-06	4.50E-03	1.42E-06	4.13E-07	1.31E-02	4.15E-06	1.21E-06	5.22E-03	1.65E-06	4.79E-07	1.03E-02	3.24E-06	9.44E-07	2.34E-03	7.39E-07	2.15E-07
2914 488051.04, 3857011.26	1.21E-02	3.81E-06	1.11E-06	4.31E-03	1.36E-06	3.96E-07	1.28E-02	4.04E-06	1.18E-06	4.99E-03	1.58E-06	4.58E-07	1.01E-02	3.18E-06	9.25E-07	2.24E-03	7.08E-07	2.06E-07
2915 488101.04, 3857011.26	1.19E-02	3.74E-06	1.09E-06	4.12E-03	1.30E-06	3.78E-07	1.26E-02	3.97E-06	1.15E-06	4.77E-03	1.50E-06	4.38E-07	9.98E-03	3.15E-06	9.16E-07	2.14E-03	6.76E-07	1.97E-07
2916 488001.04, 3857061.26	1.23E-02	3.87E-06	1.13E-06	4.28E-03	1.35E-06	3.93E-07	1.30E-02	4.10E-06	1.19E-06	4.96E-03	1.57E-06	4.55E-07	1.03E-02	3.25E-06	9.45E-07	2.23E-03	7.03E-07	2.04E-07
2917 488051.04, 3857061.26	1.20E-02	3.79E-06	1.10E-06	4.10E-03	1.29E-06	3.76E-07	1.27E-02	4.01E-06	1.17E-06	4.75E-03	1.50E-06	4.36E-07	1.01E-02	3.20E-06	9.30E-07	2.13E-03	6.73E-07	1.96E-07
2918 488101.04, 3857061.26	1.18E-02	3.71E-06	1.08E-06	3.93E-03	1.24E-06	3.60E-07	1.24E-02	3.93E-06	1.14E-06	4.55E-03	1.43E-06	4.17E-07	1.00E-02	3.16E-06	9.18E-07	2.04E-03	6.44E-07	1.87E-07
2919 487638.98, 3856673.79	1.39E-02	4.39E-06	1.28E-06	6.47E-03	2.04E-06	5.94E-07	1.50E-02	4.74E-06	1.38E-06	7.49E-03	2.36E-06	6.88E-07	1.07E-02	3.38E-06	9.82E-07	3.36E-03	1.06E-06	3.09E-07
2920 487688.98, 3856673.79	1.36E-02	4.29E-06	1.25E-06	6.21E-03	1.96E-06	5.70E-07	1.47E-02	4.63E-06	1.35E-06	7.19E-03	2.27E-06	6.60E-07	1.05E-02	3.32E-06	9.65E-07	3.23E-03	1.02E-06	2.96E-07
2921 487638.98, 3856723.79	1.43E-02	4.52E-06	1.31E-06	6.67E-03	2.10E-06	6.12E-07	1.55E-02	4.88E-06	1.42E-06	7.72E-03	2.44E-06	7.09E-07	1.10E-02	3.47E-06	1.01E-06	3.47E-03	1.09E-06	3.18E-07
2922 487688.98, 3856723.79	1.39E-02	4.40E-06	1.28E-06	6.38E-03	2.01E-06	5.86E-07	1.50E-02	4.75E-06	1.38E-06	7.39E-03	2.33E-06	6.78E-07	1.08E-02	3.41E-06	9.91E-07	3.32E-03	1.05E-06	3.05E-07
2923 486324.61, 3855740.57	1.12E-02	3.55E-06	1.03E-06	6.43E-03	2.03E-06	5.90E-07	1.23E-02	3.90E-06	1.13E-06	7.44E-03	2.35E-06	6.83E-07	7.90E-03	2.49E-06	7.25E-07	3.34E-03	1.05E-06	3.07E-07
2924 486374.61, 3855740.57	1.06E-02	3.33E-06	9.70E-07	5.94E-03	1.88E-06	5.45E-07	1.16E-02	3.66E-06	1.06E-06	6.88E-03	2.17E-06	6.32E-07	7.49E-03	2.36E-06	6.88E-07	3.09E-03	9.75E-07	2.84E-07
2925 486424.61, 3855740.57	1.02E-02	3.22E-06	9.36E-07	5.66E-03	1.79E-06	5.19E-07	1.12E-02	3.52E-06	1.03E-06	6.55E-03	2.07E-06	6.02E-07	7.27E-03	2.30E-06	6.68E-07	2.94E-03	9.29E-07	2.70E-07
2926 486324.61, 3855790.57	1.19E-02	3.76E-06	1.09E-06	6.87E-03	2.17E-06	6.30E-07	1.31E-02	4.13E-06	1.20E-06	7.95E-03	2.51E-06	7.30E-07	8.35E-03	2.63E-06	7.66E-07	3.57E-03	1.13E-06	3.28E-07
2927 486374.61, 3855790.57	1.12E-02	3.55E-06	1.03E-06	6.37E-03	2.01E-06	5.85E-07	1.23E-02	3.89E-06	1.13E-06	7.38E-03	2.33E-06	6.77E-07	7.94E-03	2.51E-06	7.29E-07	3.31E-03	1.05E-06	3.04E-07
2928 486424.61, 3855790.57	1.09E-02	3.45E-06	1.00E-06	6.12E-03	1.93E-06	5.62E-07	1.20E-02	3.78E-06	1.10E-06	7.09E-03	2.24E-06	6.51E-07	7.77E-03	2.45E-06	7.13E-07	3.18E-03	1.00E-06	2.92E-07
2929 486324.61, 3855840.57	1.26E-02	3.98E-06	1.16E-06	7.33E-03	2.31E-06	6.73E-07	1.39E-02	4.38E-06	1.27E-06	8.49E-03	2.68E-06	7.79E-07	8.80E-03	2.78E-06	8.08E-07	3.81E-03	1.20E-06	3.50E-07
2930 486374.61, 3855840.57	1.22E-02	3.85E-06	1.12E-06	6.99E-03	2.21E-06	6.41E-07	1.34E-02	4.23E-06	1.23E-06	8.09E-03	2.55E-06	7.43E-07	8.56E-03	2.70E-06	7.86E-07	3.63E-03	1.15E-06	3.33E-07
2931 486424.61, 3855840.57	1.17E-02	3.70E-06	1.08E-06	6.62E-03	2.09E-06	6.08E-07	1.29E-02	4.06E-06	1.18E-06	7.67E-03	2.42E-06	7.04E-07	8.28E-03	2.61E-06	7.61E-07	3.44E-03	1.09E-06	3.16E-07
2932 486324.61, 3855890.57	1.37E-02	4.32E-06	1.26E-06	8.05E-03	2.54E-06	7.39E-07	1.51E-02	4.76E-06	1.38E-06	9.33E-03	2.94E-06	8.56E-07	9.50E-03	3.00E-06	8.72E-07	4.19E-03	1.32E-06	3.84E-07
2933 486374.61, 3855890.57	1.31E-02	4.15E-06	1.21E-06	7.62E-03	2.40E-06	6.99E-07	1.45E-02	4.56E-06	1.33E-06	8.82E-03	2.78E-06	8.10E-07	9.19E-03	2.90E-06	8.44E-07	3.96E-03	1.25E-06	3.64E-07
2934 486424.61, 3855890.57	1.26E-02	3.97E-06	1.15E-06	7.18E-03	2.27E-06	6.59E-07	1.38E-02	4.36E-06	1.27E-06	8.31E-03	2.62E-06	7.63E-07	8.85E-03	2.79E-06	8.13E-07	3.73E-03	1.18E-06	3.43E-07
2935 488735.69, 3858285.64	1.61E-02	5.07E-06	1.47E-06	6.30E-04	1.99E-07	5.79E-08	1.62E-02	5.10E-06	1.48E-06	7.25E-04	2.29E-07	6.66E-08	1.65E-02	5.20E-06	1.51E-06	3.43E-04	1.08E-07	3.15E-08
2936 488765.69, 3858285.64	1.59E-02	5.02E-06	1.46E-06	6.31E-04	1.99E-07	5.79E-08	1.60E-02	5.05E-06	1.47E-06	7.25E-04	2.29E-07	6.66E-08	1.63E-02	5.15E-06	1.50E-06	3.43E-04	1.08E-07	3.15E-08
2937 488735.69, 3858315.64	1.61E-02	5.07E-06	1.47E-06	6.10E-04	1.92E-07	5.60E-08	1.62E-02	5.10E-06	1.48E-06	7.02E-04	2.21E-07	6.44E-08	1.65E-02	5.21E-06	1.51E-06	3.30E-04	1.04E-07	3.03E-08
2938 488765.69, 3858315.64	1.59E-02	5.02E-06	1.46E-06	6.10E-04	1.92E-07	5.60E-08	1.60E-02	5.05E-06	1.47E-06	7.02E-04	2.21E-07	6.44E-08	1.63E-02	5.16E-06	1.50E-06	3.30E-04	1.04E-07	3.03E-08
2939 478676.63, 3849871.93	3.16E-04	9.97E-08	2.90E-08	3.87E-05	1.22E-08	3.56E-09	3.22E-04	1.02E-07	2.96E-08	4.48E-05	1.41E-08	4.11E-09	3.09E-04	9.74E-08	2.83E-08	2.03E-05	6.41E-09	1.87E-09
2940 479326.63, 3849871.93	2.86E-04	9.04E-08	2.63E-08	5.59E-05	1.77E-08	5.14E-09	2.96E-04	9.34E-08	2.72E-08	6.47E-05	2.04E-08	5.94E-09	2.67E-04	8.43E-08	2.45E-08	2.93E-05	9.24E-09	2.69E-09
2941 479376.63, 3849871.93	2.84E-04	8.96E-08	2.61E-08	5.73E-05	1.81E-08	5.26E-09	2.94E-04	9.27E-08	2.70E-08	6.64E-05	2.09E-08	6.09E-09	2.64E-04	8.32E-08	2.42E-08	3.00E-05	9.47E-09	2.75E-09
2942 479426.63, 3849871.93	2.83E-04	8.94E-08	2.60E-08	5.87E-05	1.85E-08	5.39E-09	2.93E-04	9.26E-08	2.69E-08	6.80E-05	2.15E-08	6.24E-09	2.62E-04	8.27E-08	2.40E-08	3.07E-05	9.70E-09	2.82E-09
2943 478726.63, 3849921.93	3.21E-04	1.01E-07	2.95E-08	3.92E-05	1.24E-08	3.60E-09	3.28E-04	1.03E-07	3.01E-08	4.54E-05	1.43E-08	4.17E-09	3.14E-04	9.90E-08	2.88E-08	2.06E-05	6.50E-09	1.89E-09
2944 478776.63, 3849921.93	3.20E-04	1.01E-07	2.94E-08	4.01E-05	1.27E-08	3.68E-09	3.27E-04	1.03E-07	3.00E-08	4.64E-05	1.46E-08	4.26E-09	3.12E-04	9.86E-08	2.87E-08	2.10E-05	6.64E-09	1.93E-09
2945 478826.63, 3849921.93	3.19E-04	1.01E-07	2.92E-08	4.11E-05	1.30E-08	3.77E-09	3.26E-04	1.03E-07	2.99E-08	4.75E-05	1.50E-08	4.36E-09	3.10E-04	9.79E-08	2.85E-08	2.15E-05	6.80E-09	1.98E-09
2946 478976.63, 3849921.93	3.14E-04	9.91E-08	2.88E-08	4.46E-05	1.41E-08	4.09E-09	3.21E-04	1.01E-07	2.95E-08	5.16E-05	1.63E-08	4.73E-09	3.03E-04	9.56E-08	2.78E-08	2.34E-05	7.38E-09	2.15E-09
2947 479026.63, 3849921.93	3.15E-04	9.95E-08	2.89E-08	4.62E-05	1.46E-08	4.24E-09	3.23E-04	1.02E-07	2.97E-08	5.34E-05	1.69E-08	4.90E-09	3.04E-04	9.58E-08	2.79E-08	2.42E-05	7.63E-09	2.22E-09
2948 479076.63, 3849921.93	3.14E-04	9.92E-08	2.88E-08	4.77E-05	1.50E-08	4.38E-09	3.22E-04	1.02E-07	2.96E-08	5.52E-05	1.74E-08	5.06E-09	3.01E-04	9.52E-08	2.77E-08	2.50E-05	7.88E-09	2.29E-09
2949 479126.63, 3849921.93	3.12E-04	9.85E-08	2.87E-08	4.93E-05	1.55E-08	4.52E-09	3.21E-04	1.01E-07	2.94E-08	5.70E-05	1.80E-08	5.23E-09	2.98E-04	9.41E-08	2.74E-08	2.58E-05	8.14E-09	2.37E-09
2950 479176.63, 3849921.93	3.12E-04	9.83E-08	2.86E-08	5.09E-05	1.61E-08	4.68E-09	3.20E-04	1.01E-07	2.94E-08	5.89E-05	1.86E-08	5.41E-09	2.97E-04	9.36E-08	2.72E-08	2.67E-05	8.42E-09	2.45E-09
2951 479226.63, 3849921.93	3.04E-04	9.60E-08	2.79E-08	5.24E-05	1.65E-08	4.81E-09	3.13E-04	9.89E-08	2.88E-08	6.06E-05	1.91E-08	5.57E-09	2.88E-04	9.09E-08	2.64E-08	2.74E-05	8.66E-09	2.52E-09
2952 479276.63, 3849921.93	2.94E-04	9.27E-08	2.69E-08	5.35E-05	1.69E-08	4.91E-09	3.03E-04	9.55E-08	2.78E-08	6.19E-05	1.95E-08	5.68E-09	2.76E-04	8.71E-08	2.53E-08	2.80E-05	8.84E-09	2.57E-09
2953 479326.63, 3849921.93	3.02E-04	9.53E-08	2.77E-08	5.58E-05	1.76E-08	5.12E-09	3.12E-04	9.83E-08	2.86E-08	6.45E-05	2.04E-08	5.92E-09	2.84E-04	8.95E-08	2.60E-08	2.92E-05	9.21E-09	2.68E-09
2954 479376.63, 3849921.93	2.91E-04	9.18E-08	2.67E-08	5.68E-05	1.79E-08	5.21E-09	3.01E-04	9.49E-08	2.76E-08	6.57E-05	2.07E-08	6.03E-09	2.71E-04	8.56E-08	2.49E-08	2.97E-05	9.38E-09	2.73E-09
2955 479426.63, 3849921.93	2.95E-04	9.32E-08	2.71E-08	5.86E-05	1.85E-08	5.38E-09	3.05E-04	9.64E-08	2.80E-08	6.78E-05	2.14E-08	6.23E-09	2.75E-04	8.68E-08	2.52E-08	3.07E-05	9.68E-09	2.82E-09
2956 478726.63, 3849971.93	3.27E-04	1.03E-07	3.00E-08	3.90E-05	1.23E-08	3.58E-09	3.33E-04	1.05E-07	3.06E-08	4.51E-05	1.42E-08	4.14E-09	3.20E-04	1.01E-07	2.94E-08	2.05E-05	6.46E-09	1.88E-09
2957 478776.63, 3849971.93	3.26E-04	1.03E-07	2.99E-08	3.97E-05	1.25E-08	3.65E-09	3.32E-04	1.05E-07	3.05E-08	4.60E-05	1.45E-08	4.22E-09	3.18E-04	1.00E-07	2.92E-08	2.08E-05	6.58E-09	1.91E-09
2958 478826.63, 3849971.93	3.24E-04	1.02E-07	2.98E-08	4.06E-05	1.28E-08	3.73E-09	3.31E-04	1.04E-07	3.04E-08	4.70E-05	1.48E-08	4.31E-09	3.16E-04	9.98E-08	2.90E-08	2.13E-05	6.72E-09	1.96E-09
2959 478976.63, 3849971.93	3.24E-04	1.02E-07	2.97E-08	4.41E-05	1.39E-08	4.05E-09	3.31E-04	1.05E-07	3.04E-08	5.10E-05	1.61E-08	4.68E-09	3.14E-04	9.90E-08	2.88E-08	2.31E-05	7.29E-09	2.12E-09
2960 479026.63, 3849971.93	3.22E-04	1.02E-07	2.96E-08	4.54E-05	1.43E-08	4.16E-09	3.30E-04	1.04E-07	3.03E-08	5.25E-05	1.66E-08	4.82E-09	3.11E-04	9.82E-08	2.86E-08	2.38E-05	7.50E-09	2.18E-09
2961 479076.63, 3849971.93	3.20E-04	1.01E-07	2.94E-08	4.68E-05	1.48E-08	4.29E-09	3.28E-04	1.03E-07	3.01E-08	5.41E-05	1.71E-08	4.97E-09	3.08E-04	9.72E-08	2.83E-08	2.45E-05	7.73E-09	2.25E-09
2962 479126.63, 3849971.93	3.19E-04	1.01E-07	2.92E-08	4.83E-05	1.52E-08	4.43E-09	3.27E-04	1.03E-07	3.00E-08	5.59E-05	1.76E-08	5.13E-09	3.06E-04	9.65E-08	2.81E-08	2.53E-05	7.98E-09	2.32E-09
2963 479176.63, 3849971.93	3.17E-04	1.00E-07	2.91E-08	5.00E-05	1.58E-08	4.59E-09	3.26E-04	1.03E-07	2.99E-08	5.78E-05	1.82E-08	5.31E-09	3.03E-04	9.57E-08	2.78E-08	2.62E-05	8.26E-09	2.40E-09
2964 479226.63, 3849971.93	3.02E-04	9.54E-08	2.77E-08	5.09E-05	1.61E-08	4.67E-09	3.11E-04	9.81E-08	2.85E-08	5.89E-05	1.86E-08	5.40E-09	2.87E-04	9.05E-08	2.63E-08	2.66E-05	8.41E-09	2.45E-09
2965 479276.63, 3849971.93	3.09E-04	9.76E-08	2.84E-08	5.31E-05	1.68E-08	4.87E-09	3.18E-04	1.00E-07	2.92E-08	6.14E-05	1.94E-08	5.64E-09	2.93E-04	9.25E-08	2.69E-08	2.78E-05	8.77E-09	2.55E-09
2966 479326.63, 3849971.93	3.14E-04	9.90E-08	2.88E-08	5.51E-05	1.74E-08	5.06E-09	3.23E-04	1.02E-07	2.97E-08	6.38E-05	2.01E-08	5.85E-09	2.96E-04	9.35E-08	2.72E-08	2.88E-05	9.10E-09	2.65E-09

2967	479376.63, 3849971.93	3.02E-04	9.55E-08	2.78E-08	5.63E-05	1.78E-08	5.17E-09	3.12E-04	9.85E-08	2.87E-08	6.52E-05	2.06E-08	5.98E-09	2.84E-04	8.96E-08	2.60E-08	2.95E-05	9.30E-09	2.71E-09
2968	479426.63, 3849971.93	3.03E-04	9.57E-08	2.78E-08	5.81E-05	1.83E-08	5.33E-09	3.13E-04	9.88E-08	2.87E-08	6.72E-05	2.12E-08	6.17E-09	2.83E-04	8.95E-08	2.60E-08	3.04E-05	9.59E-09	2.79E-09
2969	478726.63, 3850021.93	3.33E-04	1.05E-07	3.05E-08	3.89E-05	1.23E-08	3.57E-09	3.39E-04	1.07E-07	3.12E-08	4.50E-05	1.42E-08	4.13E-09	3.26E-04	1.03E-07	3.00E-08	2.04E-05	6.44E-09	1.87E-09
2970	478776.63, 3850021.93	3.31E-04	1.05E-07	3.04E-08	3.95E-05	1.25E-08	3.63E-09	3.38E-04	1.07E-07	3.10E-08	4.57E-05	1.44E-08	4.20E-09	3.25E-04	1.02E-07	2.98E-08	2.07E-05	6.54E-09	1.90E-09
2971	478826.63, 3850021.93	3.30E-04	1.04E-07	3.03E-08	4.03E-05	1.27E-08	3.70E-09	3.37E-04	1.06E-07	3.09E-08	4.66E-05	1.47E-08	4.28E-09	3.23E-04	1.02E-07	2.96E-08	2.11E-05	6.67E-09	1.94E-09
2972	478976.63, 3850021.93	3.30E-04	1.04E-07	3.03E-08	4.34E-05	1.37E-08	3.98E-09	3.37E-04	1.06E-07	3.09E-08	5.02E-05	1.58E-08	4.61E-09	3.20E-04	1.01E-07	2.94E-08	2.27E-05	7.18E-09	2.09E-09
2973	478726.63, 3850071.93	3.39E-04	1.07E-07	3.11E-08	3.89E-05	1.23E-08	3.57E-09	3.46E-04	1.09E-07	3.17E-08	4.50E-05	1.42E-08	4.13E-09	3.33E-04	1.05E-07	3.06E-08	2.04E-05	6.45E-09	1.88E-09
2974	478776.63, 3850071.93	3.38E-04	1.07E-07	3.10E-08	3.94E-05	1.24E-08	3.62E-09	3.45E-04	1.09E-07	3.16E-08	4.56E-05	1.44E-08	4.19E-09	3.32E-04	1.05E-07	3.04E-08	2.07E-05	6.53E-09	1.90E-09
2975	478826.63, 3850071.93	3.37E-04	1.06E-07	3.09E-08	4.01E-05	1.26E-08	3.68E-09	3.43E-04	1.08E-07	3.15E-08	4.63E-05	1.46E-08	4.25E-09	3.30E-04	1.04E-07	3.03E-08	2.10E-05	6.63E-09	1.93E-09
2976	478876.63, 3850071.93	3.36E-04	1.06E-07	3.08E-08	4.08E-05	1.29E-08	3.75E-09	3.43E-04	1.08E-07	3.15E-08	4.72E-05	1.49E-08	4.34E-09	3.29E-04	1.04E-07	3.02E-08	2.14E-05	6.76E-09	1.97E-09
2977	478976.63, 3850071.93	3.36E-04	1.06E-07	3.08E-08	4.28E-05	1.35E-08	3.93E-09	3.43E-04	1.08E-07	3.15E-08	4.95E-05	1.56E-08	4.55E-09	3.27E-04	1.03E-07	3.00E-08	2.25E-05	7.09E-09	2.06E-09
2978	478726.63, 3850121.93	3.45E-04	1.09E-07	3.17E-08	3.91E-05	1.23E-08	3.59E-09	3.52E-04	1.11E-07	3.23E-08	4.52E-05	1.43E-08	4.15E-09	3.40E-04	1.07E-07	3.12E-08	2.05E-05	6.47E-09	1.88E-09
2979	478776.63, 3850121.93	3.44E-04	1.09E-07	3.16E-08	3.95E-05	1.25E-08	3.63E-09	3.51E-04	1.11E-07	3.22E-08	4.57E-05	1.44E-08	4.20E-09	3.38E-04	1.07E-07	3.11E-08	2.07E-05	6.54E-09	1.90E-09
2980	478826.63, 3850121.93	3.43E-04	1.08E-07	3.15E-08	4.00E-05	1.26E-08	3.67E-09	3.50E-04	1.10E-07	3.21E-08	4.63E-05	1.46E-08	4.25E-09	3.37E-04	1.06E-07	3.09E-08	2.10E-05	6.63E-09	1.93E-09
2981	478876.63, 3850121.93	3.42E-04	1.08E-07	3.14E-08	4.07E-05	1.28E-08	3.73E-09	3.49E-04	1.10E-07	3.20E-08	4.70E-05	1.48E-08	4.32E-09	3.35E-04	1.06E-07	3.07E-08	2.13E-05	6.73E-09	1.96E-09
2982	478976.63, 3850121.93	3.42E-04	1.08E-07	3.14E-08	4.24E-05	1.34E-08	3.89E-09	3.49E-04	1.10E-07	3.21E-08	4.90E-05	1.55E-08	4.50E-09	3.34E-04	1.05E-07	3.07E-08	2.22E-05	7.02E-09	2.04E-09
2983	479026.63, 3850121.93	3.42E-04	1.08E-07	3.14E-08	4.35E-05	1.37E-08	3.99E-09	3.49E-04	1.10E-07	3.20E-08	5.03E-05	1.59E-08	4.61E-09	3.33E-04	1.05E-07	3.06E-08	2.28E-05	7.19E-09	2.09E-09
2984	479076.63, 3850121.93	3.41E-04	1.07E-07	3.13E-08	4.46E-05	1.41E-08	4.09E-09	3.48E-04	1.10E-07	3.20E-08	5.16E-05	1.63E-08	4.74E-09	3.31E-04	1.05E-07	3.04E-08	2.34E-05	7.38E-09	2.15E-09
2985	479126.63, 3850121.93	3.40E-04	1.07E-07	3.12E-08	4.58E-05	1.45E-08	4.21E-09	3.47E-04	1.10E-07	3.19E-08	5.30E-05	1.67E-08	4.87E-09	3.29E-04	1.04E-07	3.02E-08	2.40E-05	7.58E-09	2.21E-09
2986	478776.63, 3850171.93	3.51E-04	1.11E-07	3.22E-08	3.97E-05	1.25E-08	3.64E-09	3.57E-04	1.13E-07	3.28E-08	4.59E-05	1.45E-08	4.22E-09	3.45E-04	1.09E-07	3.17E-08	2.08E-05	6.57E-09	1.91E-09
2987	478826.63, 3850171.93	3.49E-04	1.10E-07	3.21E-08	4.01E-05	1.26E-08	3.68E-09	3.56E-04	1.12E-07	3.27E-08	4.63E-05	1.46E-08	4.25E-09	3.43E-04	1.08E-07	3.15E-08	2.10E-05	6.64E-09	1.93E-09
2988	478876.63, 3850171.93	3.48E-04	1.10E-07	3.20E-08	4.06E-05	1.28E-08	3.73E-09	3.55E-04	1.12E-07	3.26E-08	4.69E-05	1.48E-08	4.31E-09	3.42E-04	1.08E-07	3.14E-08	2.13E-05	6.72E-09	1.95E-09
2989	478976.63, 3850171.93	3.48E-04	1.10E-07	3.20E-08	4.21E-05	1.33E-08	3.87E-09	3.56E-04	1.12E-07	3.26E-08	4.87E-05	1.54E-08	4.47E-09	3.41E-04	1.08E-07	3.13E-08	2.21E-05	6.97E-09	2.03E-09
2990	479026.63, 3850171.93	3.49E-04	1.10E-07	3.20E-08	4.31E-05	1.36E-08	3.96E-09	3.56E-04	1.12E-07	3.27E-08	4.98E-05	1.57E-08	4.58E-09	3.41E-04	1.08E-07	3.13E-08	2.26E-05	7.13E-09	2.07E-09
2991	479076.63, 3850171.93	3.48E-04	1.10E-07	3.19E-08	4.41E-05	1.39E-08	4.05E-09	3.55E-04	1.12E-07	3.26E-08	5.10E-05	1.61E-08	4.68E-09	3.39E-04	1.07E-07	3.11E-08	2.31E-05	7.29E-09	2.12E-09
2992	479126.63, 3850171.93	3.47E-04	1.09E-07	3.18E-08	4.52E-05	1.43E-08	4.15E-09	3.54E-04	1.12E-07	3.25E-08	5.23E-05	1.65E-08	4.80E-09	3.37E-04	1.06E-07	3.10E-08	2.37E-05	7.48E-09	2.18E-09
2993	479176.63, 3850171.93	3.47E-04	1.10E-07	3.19E-08	4.66E-05	1.47E-08	4.28E-09	3.55E-04	1.12E-07	3.26E-08	5.39E-05	1.70E-08	4.95E-09	3.37E-04	1.06E-07	3.09E-08	2.44E-05	7.70E-09	2.24E-09
2994	479226.63, 3850171.93	3.50E-04	1.10E-07	3.21E-08	4.81E-05	1.52E-08	4.42E-09	3.58E-04	1.13E-07	3.28E-08	5.57E-05	1.76E-08	5.11E-09	3.39E-04	1.07E-07	3.11E-08	2.52E-05	7.96E-09	2.31E-09
2995	479276.63, 3850171.93	3.52E-04	1.11E-07	3.23E-08	4.98E-05	1.57E-08	4.57E-09	3.61E-04	1.14E-07	3.31E-08	5.76E-05	1.82E-08	5.29E-09	3.40E-04	1.07E-07	3.12E-08	2.61E-05	8.23E-09	2.40E-09
2996	479326.63, 3850171.93	3.49E-04	1.10E-07	3.21E-08	5.13E-05	1.62E-08	4.71E-09	3.58E-04	1.13E-07	3.29E-08	5.94E-05	1.87E-08	5.45E-09	3.36E-04	1.06E-07	3.09E-08	2.69E-05	8.48E-09	2.47E-09
2997	479376.63, 3850171.93	3.47E-04	1.09E-07	3.18E-08	5.29E-05	1.67E-08	4.86E-09	3.56E-04	1.12E-07	3.26E-08	6.13E-05	1.93E-08	5.62E-09	3.32E-04	1.05E-07	3.05E-08	2.77E-05	8.75E-09	2.54E-09
2998	478676.63, 3850221.93	3.57E-04	1.13E-07	3.28E-08	3.96E-05	1.25E-08	3.63E-09	3.64E-04	1.15E-07	3.34E-08	4.58E-05	1.45E-08	4.20E-09	3.51E-04	1.11E-07	3.23E-08	2.08E-05	6.56E-09	1.91E-09
2999	478726.63, 3850221.93	3.57E-04	1.13E-07	3.28E-08	3.98E-05	1.26E-08	3.65E-09	3.64E-04	1.15E-07	3.34E-08	4.60E-05	1.45E-08	4.22E-09	3.52E-04	1.11E-07	3.23E-08	2.09E-05	6.59E-09	1.92E-09
3000	478976.63, 3850221.93	3.55E-04	1.12E-07	3.26E-08	4.20E-05	1.33E-08	3.86E-09	3.62E-04	1.14E-07	3.33E-08	4.86E-05	1.53E-08	4.46E-09	3.48E-04	1.10E-07	3.20E-08	2.20E-05	6.96E-09	2.02E-09
3001	479026.63, 3850221.93	3.56E-04	1.12E-07	3.26E-08	4.28E-05	1.35E-08	3.93E-09	3.63E-04	1.15E-07	3.33E-08	4.95E-05	1.56E-08	4.55E-09	3.48E-04	1.10E-07	3.20E-08	2.25E-05	7.09E-09	2.06E-09
3002	479076.63, 3850221.93	3.54E-04	1.12E-07	3.25E-08	4.37E-05	1.38E-08	4.01E-09	3.62E-04	1.14E-07	3.32E-08	5.06E-05	1.60E-08	4.64E-09	3.46E-04	1.09E-07	3.18E-08	2.29E-05	7.23E-09	2.10E-09
3003	479126.63, 3850221.93	3.54E-04	1.12E-07	3.25E-08	4.48E-05	1.41E-08	4.11E-09	3.62E-04	1.14E-07	3.32E-08	5.18E-05	1.63E-08	4.76E-09	3.45E-04	1.09E-07	3.17E-08	2.35E-05	7.41E-09	2.16E-09
3004	479176.63, 3850221.93	3.55E-04	1.12E-07	3.26E-08	4.60E-05	1.45E-08	4.23E-09	3.63E-04	1.15E-07	3.33E-08	5.32E-05	1.68E-08	4.89E-09	3.46E-04	1.09E-07	3.17E-08	2.41E-05	7.61E-09	2.21E-09
3005	479226.63, 3850221.93	3.57E-04	1.13E-07	3.27E-08	4.74E-05	1.50E-08	4.35E-09	3.65E-04	1.15E-07	3.35E-08	5.49E-05	1.73E-08	5.04E-09	3.46E-04	1.09E-07	3.18E-08	2.48E-05	7.84E-09	2.28E-09
3006	479276.63, 3850221.93	3.58E-04	1.13E-07	3.29E-08	4.90E-05	1.55E-08	4.50E-09	3.66E-04	1.16E-07	3.36E-08	5.67E-05	1.79E-08	5.20E-09	3.47E-04	1.10E-07	3.19E-08	2.57E-05	8.10E-09	2.35E-09
3007	479326.63, 3850221.93	3.55E-04	1.12E-07	3.26E-08	5.04E-05	1.59E-08	4.62E-09	3.64E-04	1.15E-07	3.34E-08	5.83E-05	1.84E-08	5.35E-09	3.43E-04	1.08E-07	3.15E-08	2.64E-05	8.33E-09	2.42E-09
3008	479376.63, 3850221.93	3.54E-04	1.12E-07	3.25E-08	5.19E-05	1.64E-08	4.77E-09	3.63E-04	1.14E-07	3.33E-08	6.01E-05	1.90E-08	5.52E-09	3.41E-04	1.08E-07	3.13E-08	2.72E-05	8.58E-09	2.50E-09
3009	478676.63, 3850271.93	3.62E-04	1.14E-07	3.33E-08	4.02E-05	1.27E-08	3.69E-09	3.69E-04	1.17E-07	3.39E-08	4.65E-05	1.47E-08	4.27E-09	3.57E-04	1.13E-07	3.28E-08	2.11E-05	6.66E-09	1.94E-09
3010	478726.63, 3850271.93	3.63E-04	1.15E-07	3.33E-08	4.03E-05	1.27E-08	3.70E-09	3.70E-04	1.17E-07	3.40E-08	4.66E-05	1.47E-08	4.28E-09	3.58E-04	1.13E-07	3.28E-08	2.11E-05	6.67E-09	1.94E-09
3011	478976.63, 3850271.93	3.61E-04	1.14E-07	3.32E-08	4.20E-05	1.33E-08	3.85E-09	3.68E-04	1.16E-07	3.38E-08	4.86E-05	1.53E-08	4.46E-09	3.55E-04	1.12E-07	3.26E-08	2.20E-05	6.95E-09	2.02E-09
3012	479026.63, 3850271.93	3.62E-04	1.14E-07	3.32E-08	4.28E-05	1.35E-08	3.93E-09	3.69E-04	1.17E-07	3.39E-08	4.95E-05	1.56E-08	4.54E-09	3.55E-04	1.12E-07	3.26E-08	2.24E-05	7.08E-09	2.06E-09
3013	479076.63, 3850271.93	3.62E-04	1.14E-07	3.32E-08	4.35E-05	1.37E-08	4.00E-09	3.69E-04	1.17E-07	3.39E-08	5.04E-05	1.59E-08	4.62E-09	3.54E-04	1.12E-07	3.25E-08	2.28E-05	7.20E-09	2.10E-09
3014	479126.63, 3850271.93	3.62E-04	1.14E-07	3.32E-08	4.45E-05	1.40E-08	4.08E-09	3.69E-04	1.17E-07	3.39E-08	5.15E-05	1.62E-08	4.72E-09	3.53E-04	1.12E-07	3.25E-08	2.33E-05	7.36E-09	2.14E-09
3015	479176.63, 3850271.93	3.62E-04	1.14E-07	3.33E-08	4.56E-05	1.44E-08	4.19E-09	3.70E-04	1.17E-07	3.40E-08	5.27E-05	1.66E-08	4.84E-09	3.53E-04	1.12E-07	3.24E-08	2.39E-05	7.54E-09	2.19E-09
3016	479226.63, 3850271.93	3.63E-04	1.15E-07	3.34E-08	4.69E-05	1.48E-08	4.30E-09	3.71E-04	1.17E-07	3.41E-08	5.42E-05	1.71E-08	4.98E-09	3.54E-04	1.12E-07	3.25E-08	2.46E-05	7.75E-09	2.26E-09
3017	479276.63, 3850271.93	3.63E-04	1.15E-07	3.34E-08	4.82E-05	1.52E-08	4.43E-09	3.72E-04	1.17E-07	3.41E-08	5.58E-05	1.76E-08	5.12E-09	3.53E-04	1.11E-07	3.24E-08	2.53E-05	7.97E-09	2.32E-09
3018	479326.63, 3850271.93	3.61E-04	1.14E-07	3.32E-08	4.95E-05	1.56E-08	4.55E-09	3.70E-04	1.17E-07	3.40E-08	5.73E-05	1.81E-08	5.26E-09	3.50E-04	1.11E-07	3.22E-08	2.59E-05	8.19E-09	2.38E-09
3019	479376.63, 3850271.93	3.58E-04	1.13E-07	3.29E-08	5.09E-05	1.61E-08	4.67E-09	3.67E-04	1.16E-07	3.37E-08	5.89E-05	1.86E-08	5.41E-09	3.46E-04	1.09E-07	3.17E-08	2.67E-05	8.42E-09	2.45E-09
3020	479053.24, 3850293.52	3.65E-04	1.15E-07	3.35E-08	4.32E-05	1.36E-08	3.96E-09	3.73E-04	1.18E-07	3.42E-08	4.99E-05	1.58E-08	4.58E-09	3.58E-04	1.13E-07	3.29E-08	2.26E-05	7.14E-09	2.08E-09
3021	479103.24, 3850293.52	3.65E-04	1.15E-07	3.35E-08	4.40E-05	1.39E-08	4.04E-09	3.73E-04	1.18E-07	3.42E-08	5.09E-05	1.61E-08	4.67E-09	3.58E-04	1.13E-07	3.28E-08	2.31E-05	7.28E-09	2.12E-09
3022	479153.24, 3850293.52	3.65E-04	1.15E-07	3.35E-08	4.49E-05	1.42E-08	4.12E-09	3.73E-04	1.18E-07	3.42E-08	5.20E-05	1.64E-08	4.77E-09	3.57E-04	1.13E-07	3.27E-08	2.36E-05	7.43E-09	2.16E-09
3023	479203.24, 3850293.52	3.66E-04	1.15E-07	3.36E-08	4.61E-05	1.46E-08	4.23E-09	3.74E-04	1.18E-07	3.43E-08	5.33E-05	1.68E-08	4.90E-09	3.57E-04	1.13E-07	3.28E-08	2.42E-05	7.63E-09	2.22E-09
3024	479253.24, 3850293.52	3.66E-04	1.16E-07	3.36E-08	4.73E-05	1.49E-08	4.34E-09	3.74E-04	1.18E-07	3.44E-08	5.47E-05	1.73E-08	5.03E-09	3.57E-04	1.13E-07	3.27E-08	2.48E-05	7.83E-09	2.28E-09
3025	479303.24, 3850293.52	3.65E-04	1.15E-07	3.35E-08	4.86E-05	1.53E-08	4.46E-09	3.73E-04	1.18E-07	3.42E-08	5.62E-05	1.77E-08	5.16E-09	3.54E-04	1.12E-07	3.25E-08	2.54E-05	8.03E-09	2.34E-09
3026	479353.24, 3850293.52	3.62E-04	1.14E-07	3.32E-08	4.99E-05	1.57E-08	4.58E-09	3.71E-04	1.17E-07	3.40E-08	5.77E-05	1.82E-08	5.30E-09	3.51E-04	1.11E-07	3.22E-08	2.61E-05	8.25E-09	2.40E-09
3027	479153.24, 3850343.52	3.72E-04	1.18E-07	3.42E-08	4.48E-05	1.41E-08	4.11E-09	3.80E-04	1.20E-07	3.49E-08	5.18E-05	1.64E-08	4.76E-09	3.65E-04	1.15E-07	3.35E-08	2.35E-05	7.42E-09	2.16E-09
3028	479203.24, 3850343.52	3.74E-04	1.18E-07	3.43E-08	4.66E-05	1.47E-08	4.28E-09	3.82E-04	1.20E-07	3.50E-08	5.39E-05	1.70E-08	4.95E-09	3.65E-04	1.15E-07	3.35E-08	2.44E-05	7.71E-09	2.24E-09
3029	479253.24, 3850343.52	3.72E-04	1.17E-07	3.41E-08	4.68E-05	1.48E-08	4.30E-09	3.80E-04	1.20E-07	3.49E-08	5.41E-05	1.71E-08	4.97E-09	3.63E-04	1.15E-07	3.33E-08	2.45E-05	7.74E-09	2.25E-09
3030	479303.24, 3850343.52	3.70E-04	1.17E-07	3.40E-08	4.79E-05	1.51E-08	4.39E-09	3.78E-04	1.19E-07	3.47E-08	5.54E-05	1.75E-08	5.08E-09	3.60E-04	1.14E-07	3.31E-08	2.51E-05	7.92E-09	2.30E-09
3031	479353.24, 3850343.52	3.67E-04	1.16E-07	3.37E-08	4.91E-05	1.55E-08	4.51E-09	3.76E-04	1.19E-07	3.45E-08	5.68E-05	1.79E-08	5.21E-09	3.57E-04	1.13E-07	3.28E-08	2.57E-05	8.12E-09	2.36E-09
3032	479203.24, 3850393.52	3.80E-04	1.20E-07	3.49E-08	4.62E-05	1.46E-08	4.24E-09	3.88E-04	1.22E-07	3.56E-08	5.35E-05	1.69E-08	4.91E-09	3.71E-04	1.17E-07	3.41E-08	2.42E-05	7.65E-09	2.22E-09

3033	479253.24, 3850393.52	3.79E-04	1.19E-07	3.48E-08	4.71E-05	1.49E-08	4.33E-09	3.87E-04	1.22E-07	3.55E-08	5.45E-05	1.72E-08	5.01E-09	3.70E-04	1.17E-07	3.39E-08	2.47E-05	7.80E-09	2.27E-09
3034	479303.24, 3850393.52	3.77E-04	1.19E-07	3.46E-08	4.82E-05	1.52E-08	4.42E-09	3.85E-04	1.22E-07	3.54E-08	5.57E-05	1.76E-08	5.12E-09	3.67E-04	1.16E-07	3.37E-08	2.52E-05	7.97E-09	2.32E-09
3035	479353.24, 3850393.52	3.74E-04	1.18E-07	3.43E-08	4.85E-05	1.53E-08	4.45E-09	3.82E-04	1.21E-07	3.51E-08	5.61E-05	1.77E-08	5.15E-09	3.64E-04	1.15E-07	3.34E-08	2.54E-05	8.02E-09	2.33E-09
3036	479403.24, 3850393.52	3.72E-04	1.17E-07	3.41E-08	4.97E-05	1.57E-08	4.56E-09	3.80E-04	1.20E-07	3.49E-08	5.75E-05	1.82E-08	5.28E-09	3.61E-04	1.14E-07	3.31E-08	2.60E-05	8.22E-09	2.39E-09
3037	479453.24, 3850393.52	3.68E-04	1.16E-07	3.38E-08	5.10E-05	1.61E-08	4.68E-09	3.76E-04	1.19E-07	3.46E-08	5.90E-05	1.86E-08	5.42E-09	3.56E-04	1.12E-07	3.27E-08	2.67E-05	8.43E-09	2.45E-09
3038	479503.24, 3850393.52	3.63E-04	1.15E-07	3.34E-08	5.24E-05	1.66E-08	4.81E-09	3.72E-04	1.17E-07	3.42E-08	6.07E-05	1.91E-08	5.57E-09	3.50E-04	1.11E-07	3.22E-08	2.75E-05	8.67E-09	2.52E-09
3039	479303.24, 3850443.52	3.82E-04	1.21E-07	3.51E-08	4.77E-05	1.51E-08	4.38E-09	3.91E-04	1.23E-07	3.59E-08	5.52E-05	1.74E-08	5.07E-09	3.73E-04	1.18E-07	3.43E-08	2.50E-05	7.89E-09	2.29E-09
3040	479353.24, 3850443.52	3.79E-04	1.20E-07	3.48E-08	4.79E-05	1.51E-08	4.40E-09	3.87E-04	1.22E-07	3.55E-08	5.54E-05	1.75E-08	5.09E-09	3.69E-04	1.17E-07	3.39E-08	2.51E-05	7.93E-09	2.31E-09
3041	479403.24, 3850443.52	3.75E-04	1.18E-07	3.44E-08	4.89E-05	1.54E-08	4.49E-09	3.83E-04	1.21E-07	3.52E-08	5.66E-05	1.79E-08	5.19E-09	3.65E-04	1.15E-07	3.35E-08	2.56E-05	8.09E-09	2.35E-09
3042	479453.24, 3850443.52	3.72E-04	1.17E-07	3.41E-08	5.01E-05	1.58E-08	4.60E-09	3.80E-04	1.20E-07	3.49E-08	5.79E-05	1.83E-08	5.32E-09	3.61E-04	1.14E-07	3.31E-08	2.62E-05	8.28E-09	2.41E-09
3043	479503.24, 3850443.52	3.67E-04	1.16E-07	3.37E-08	5.14E-05	1.62E-08	4.72E-09	3.76E-04	1.19E-07	3.45E-08	5.95E-05	1.88E-08	5.46E-09	3.55E-04	1.12E-07	3.26E-08	2.69E-05	8.50E-09	2.47E-09
3044	480327.18, 3850987.04	4.38E-04	1.38E-07	4.02E-08	7.12E-05	2.25E-08	6.54E-09	4.50E-04	1.42E-07	4.13E-08	8.24E-05	2.60E-08	7.57E-09	4.17E-04	1.32E-07	3.83E-08	3.72E-05	1.18E-08	3.42E-09
3045	480377.18, 3850987.04	4.37E-04	1.38E-07	4.01E-08	7.33E-05	2.31E-08	6.73E-09	4.49E-04	1.42E-07	4.12E-08	8.48E-05	2.68E-08	7.79E-09	4.15E-04	1.31E-07	3.81E-08	3.83E-05	1.21E-08	3.52E-09
3046	480427.18, 3850987.04	4.35E-04	1.37E-07	3.99E-08	7.53E-05	2.38E-08	6.91E-09	4.48E-04	1.41E-07	4.11E-08	8.72E-05	2.75E-08	8.00E-09	4.11E-04	1.30E-07	3.78E-08	3.94E-05	1.24E-08	3.61E-09
3047	480477.18, 3850987.04	4.32E-04	1.36E-07	3.97E-08	7.72E-05	2.44E-08	7.09E-09	4.45E-04	1.41E-07	4.09E-08	8.93E-05	2.82E-08	8.20E-09	4.08E-04	1.29E-07	3.74E-08	4.03E-05	1.27E-08	3.70E-09
3048	480327.18, 3851037.04	4.45E-04	1.40E-07	4.08E-08	7.01E-05	2.21E-08	6.44E-09	4.57E-04	1.44E-07	4.19E-08	8.12E-05	2.56E-08	7.45E-09	4.25E-04	1.34E-07	3.90E-08	3.67E-05	1.16E-08	3.37E-09
3049	480377.18, 3851037.04	4.43E-04	1.40E-07	4.07E-08	7.23E-05	2.28E-08	6.63E-09	4.56E-04	1.44E-07	4.18E-08	8.36E-05	2.64E-08	7.68E-09	4.23E-04	1.33E-07	3.88E-08	3.78E-05	1.19E-08	3.47E-09
3050	480427.18, 3851037.04	4.41E-04	1.39E-07	4.05E-08	7.44E-05	2.35E-08	6.83E-09	4.54E-04	1.43E-07	4.17E-08	8.61E-05	2.72E-08	7.90E-09	4.19E-04	1.32E-07	3.85E-08	3.89E-05	1.23E-08	3.57E-09
3051	480477.18, 3851037.04	4.41E-04	1.39E-07	4.05E-08	7.64E-05	2.41E-08	7.02E-09	4.54E-04	1.43E-07	4.17E-08	8.84E-05	2.79E-08	8.12E-09	4.17E-04	1.32E-07	3.83E-08	3.99E-05	1.26E-08	3.67E-09
3052	480622.06, 3851087.39	4.47E-04	1.41E-07	4.10E-08	8.13E-05	2.57E-08	7.46E-09	4.61E-04	1.46E-07	4.23E-08	9.41E-05	2.97E-08	8.64E-09	4.21E-04	1.33E-07	3.86E-08	4.25E-05	1.34E-08	3.90E-09
3053	480672.06, 3851087.39	4.47E-04	1.41E-07	4.10E-08	8.31E-05	2.62E-08	7.63E-09	4.61E-04	1.46E-07	4.23E-08	9.62E-05	3.03E-08	8.83E-09	4.20E-04	1.32E-07	3.85E-08	4.34E-05	1.37E-08	3.98E-09
3054	480622.06, 3851137.39	4.56E-04	1.44E-07	4.19E-08	8.07E-05	2.55E-08	7.40E-09	4.70E-04	1.48E-07	4.31E-08	9.33E-05	2.95E-08	8.57E-09	4.31E-04	1.36E-07	3.95E-08	4.21E-05	1.33E-08	3.87E-09
3055	480672.06, 3851137.39	4.56E-04	1.44E-07	4.18E-08	8.26E-05	2.61E-08	7.58E-09	4.70E-04	1.48E-07	4.31E-08	9.56E-05	3.02E-08	8.78E-09	4.29E-04	1.36E-07	3.94E-08	4.32E-05	1.36E-08	3.96E-09
3056	480722.06, 3851137.39	4.56E-04	1.44E-07	4.19E-08	8.44E-05	2.67E-08	7.75E-09	4.71E-04	1.49E-07	4.32E-08	9.77E-05	3.08E-08	8.97E-09	4.29E-04	1.35E-07	3.93E-08	4.41E-05	1.39E-08	4.05E-09
3057	480622.06, 3851187.39	4.64E-04	1.47E-07	4.26E-08	7.97E-05	2.52E-08	7.32E-09	4.78E-04	1.51E-07	4.39E-08	9.23E-05	2.91E-08	8.47E-09	4.40E-04	1.39E-07	4.04E-08	4.17E-05	1.32E-08	3.83E-09
3058	480672.06, 3851187.39	4.65E-04	1.47E-07	4.27E-08	8.19E-05	2.59E-08	7.52E-09	4.79E-04	1.51E-07	4.40E-08	9.48E-05	2.99E-08	8.70E-09	4.39E-04	1.39E-07	4.03E-08	4.28E-05	1.35E-08	3.93E-09
3059	480722.06, 3851187.39	4.66E-04	1.47E-07	4.27E-08	8.39E-05	2.65E-08	7.71E-09	4.80E-04	1.51E-07	4.41E-08	9.71E-05	3.07E-08	8.92E-09	4.39E-04	1.38E-07	4.03E-08	4.38E-05	1.38E-08	4.03E-09
3060	471363.09, 3845877.25	8.63E-05	2.72E-08	7.92E-09	1.32E-05	4.18E-09	1.22E-09	8.86E-05	2.80E-08	8.13E-09	1.53E-05	4.83E-09	1.40E-09	8.24E-05	2.60E-08	7.56E-09	7.01E-06	2.21E-09	6.43E-10
3061	471863.09, 3845877.25	8.34E-05	2.63E-08	7.66E-09	1.27E-05	3.99E-09	1.16E-09	8.56E-05	2.70E-08	7.86E-09	1.46E-05	4.61E-09	1.34E-09	7.97E-05	2.52E-08	7.32E-09	6.70E-06	2.12E-09	6.15E-10
3062	472363.09, 3845877.25	9.09E-05	2.87E-08	8.35E-09	1.36E-05	4.29E-09	1.25E-09	9.32E-05	2.94E-08	8.56E-09	1.57E-05	4.95E-09	1.44E-09	8.70E-05	2.75E-08	7.99E-09	7.19E-06	2.27E-09	6.60E-10
3063	472863.09, 3845877.25	8.39E-05	2.65E-08	7.71E-09	1.17E-05	3.69E-09	1.07E-09	8.59E-05	2.71E-08	7.89E-09	1.35E-05	4.27E-09	1.24E-09	8.08E-05	2.55E-08	7.42E-09	6.21E-06	1.96E-09	5.70E-10
3064	473363.09, 3845877.25	9.07E-05	2.86E-08	8.33E-09	1.10E-05	3.48E-09	1.01E-09	9.26E-05	2.92E-08	8.50E-09	1.27E-05	4.02E-09	1.17E-09	8.84E-05	2.79E-08	8.11E-09	5.87E-06	1.85E-09	5.38E-10
3065	473863.09, 3845877.25	9.86E-05	3.11E-08	9.05E-09	1.17E-05	3.69E-09	1.07E-09	1.01E-04	3.17E-08	9.23E-09	1.35E-05	4.26E-09	1.24E-09	9.63E-05	3.04E-08	8.84E-09	6.21E-06	1.96E-09	5.70E-10
3066	474363.09, 3845877.25	1.11E-04	3.49E-08	1.01E-08	1.34E-05	4.22E-09	1.23E-09	1.13E-04	3.56E-08	1.04E-08	1.54E-05	4.87E-09	1.42E-09	1.08E-04	3.40E-08	9.90E-09	7.07E-06	2.23E-09	6.49E-10
3067	474863.09, 3845877.25	1.19E-04	3.76E-08	1.09E-08	1.62E-05	5.10E-09	1.48E-09	1.22E-04	3.85E-08	1.12E-08	1.87E-05	5.89E-09	1.71E-09	1.15E-04	3.64E-08	1.06E-08	8.52E-06	2.69E-09	7.83E-10
3068	475363.09, 3845877.25	1.28E-04	4.04E-08	1.17E-08	2.26E-05	7.14E-09	2.08E-09	1.32E-04	4.16E-08	1.21E-08	2.62E-05	8.26E-09	2.40E-09	1.21E-04	3.81E-08	1.11E-08	1.19E-05	3.75E-09	1.09E-09
3069	475863.09, 3845877.25	1.25E-04	3.95E-08	1.15E-08	2.36E-05	7.43E-09	2.16E-09	1.29E-04	4.08E-08	1.19E-08	2.72E-05	8.60E-09	2.50E-09	1.17E-04	3.70E-08	1.08E-08	1.24E-05	3.91E-09	1.14E-09
3070	476363.09, 3845877.25	1.14E-04	3.60E-08	1.05E-08	2.18E-05	6.88E-09	2.00E-09	1.18E-04	3.72E-08	1.08E-08	2.52E-05	7.95E-09	2.31E-09	1.06E-04	3.36E-08	9.76E-09	1.15E-05	3.62E-09	1.05E-09
3071	476863.09, 3845877.25	1.05E-04	3.32E-08	9.65E-09	2.07E-05	6.53E-09	1.90E-09	1.09E-04	3.43E-08	9.97E-09	2.39E-05	7.55E-09	2.20E-09	9.75E-05	3.08E-08	8.95E-09	1.09E-05	3.44E-09	1.00E-09
3072	477363.09, 3845877.25	9.82E-05	3.10E-08	9.01E-09	1.52E-05	4.80E-09	1.40E-09	1.01E-04	3.18E-08	9.25E-09	1.76E-05	5.54E-09	1.61E-09	9.35E-05	2.95E-08	8.58E-09	8.05E-06	2.54E-09	7.39E-10
3073	477863.09, 3845877.25	9.23E-05	2.91E-08	8.47E-09	1.32E-05	4.15E-09	1.21E-09	9.45E-05	2.98E-08	8.67E-09	1.52E-05	4.79E-09	1.39E-09	8.85E-05	2.79E-08	8.13E-09	6.99E-06	2.21E-09	6.42E-10
3074	478363.09, 3845877.25	9.06E-05	2.86E-08	8.32E-09	1.41E-05	4.46E-09	1.30E-09	9.30E-05	2.94E-08	8.54E-09	1.63E-05	5.16E-09	1.50E-09	8.62E-05	2.72E-08	7.91E-09	7.50E-06	2.37E-09	6.89E-10
3075	478863.09, 3845877.25	8.38E-05	2.64E-08	7.69E-09	1.23E-05	3.89E-09	1.13E-09	8.59E-05	2.71E-08	7.88E-09	1.42E-05	4.49E-09	1.31E-09	8.01E-05	2.53E-08	7.35E-09	6.56E-06	2.07E-09	6.02E-10
3076	479363.09, 3845877.25	8.20E-05	2.59E-08	7.53E-09	1.17E-05	3.71E-09	1.08E-09	8.40E-05	2.65E-08	7.71E-09	1.36E-05	4.28E-09	1.24E-09	7.87E-05	2.48E-08	7.22E-09	6.25E-06	1.97E-09	5.74E-10
3077	479863.09, 3845877.25	8.10E-05	2.56E-08	7.44E-09	1.19E-05	3.76E-09	1.09E-09	8.30E-05	2.62E-08	7.62E-09	1.37E-05	4.33E-09	1.26E-09	7.75E-05	2.45E-08	7.12E-09	6.33E-06	2.00E-09	5.81E-10
3078	480363.09, 3845877.25	7.65E-05	2.41E-08	7.02E-09	1.05E-05	3.30E-09	9.61E-10	7.83E-05	2.47E-08	7.18E-09	1.21E-05	3.81E-09	1.11E-09	7.36E-05	2.32E-08	6.76E-09	5.59E-06	1.76E-09	5.13E-10
3079	480863.09, 3845877.25	7.15E-05	2.26E-08	6.56E-09	9.15E-06	2.89E-09	8.40E-10	7.30E-05	2.30E-08	6.70E-09	1.05E-05	3.33E-09	9.68E-10	6.91E-05	2.18E-08	6.34E-09	4.91E-06	1.55E-09	4.51E-10
3080	481363.09, 3845877.25	6.84E-05	2.16E-08	6.28E-09	8.02E-06	2.53E-09	7.36E-10	6.97E-05	2.20E-08	6.40E-09	9.23E-06	2.91E-09	8.48E-10	6.65E-05	2.10E-08	6.10E-09	4.33E-06	1.37E-09	3.97E-10
3081	481863.09, 3845877.25	6.63E-05	2.09E-08	6.09E-09	7.47E-06	2.36E-09	6.86E-10	6.75E-05	2.13E-08	6.20E-09	8.60E-06	2.72E-09	7.90E-10	6.46E-05	2.04E-08	5.93E-09	4.05E-06	1.28E-09	3.71E-10
3082	482363.09, 3845877.25	6.45E-05	2.04E-08	5.92E-09	7.15E-06	2.26E-09	6.56E-10	6.57E-05	2.07E-08	6.03E-09	8.23E-06	2.60E-09	7.55E-10	6.29E-05	1.98E-08	5.77E-09	3.88E-06	1.22E-09	3.56E-10
3083	482863.09, 3845877.25	5.96E-05	1.88E-08	5.47E-09	5.83E-06	1.84E-09	5.35E-10	6.05E-05	1.91E-08	5.56E-09	6.70E-06	2.11E-09	6.15E-10	5.85E-05	1.84E-08	5.37E-09	3.20E-06	1.01E-09	2.94E-10
3084	483363.09, 3845877.25	5.71E-05	1.80E-08	5.24E-09	5.36E-06	1.69E-09	4.92E-10	5.80E-05	1.83E-08	5.32E-09	6.15E-06	1.94E-09	5.65E-10	5.61E-05	1.77E-08	5.15E-09	2.96E-06	9.33E-10	2.71E-10
3085	483863.09, 3845877.25	6.21E-05	1.96E-08	5.70E-09	6.12E-06	1.93E-09	5.62E-10	6.31E-05	1.99E-08	5.79E-09	7.03E-06	2.22E-09	6.45E-10	6.08E-05	1.92E-08	5.58E-09	3.37E-06	1.06E-09	3.09E-10
3086	484363.09, 3845877.25	6.23E-05	1.97E-08	5.72E-09	5.99E-06	1.89E-09	5.50E-10	6.33E-05	2.00E-08	5.81E-09	6.87E-06	2.17E-09	6.31E-10	6.11E-05	1.93E-08	5.61E-09	3.30E-06	1.04E-09	3.03E-10
3087	484863.09, 3845877.25	6.07E-05	1.92E-08	5.57E-09	5.83E-06	1.84E-09	5.35E-10	6.16E-05	1.94E-08	5.66E-09	6.69E-06	2.11E-09	6.15E-10	5.95E-05	1.88E-08	5.46E-09	3.22E-06	1.02E-09	2.95E-10
3088	485363.09, 3845877.25	5.76E-05	1.82E-08	5.29E-09	5.52E-06	1.74E-09	5.06E-10	5.85E-05	1.85E-08	5.37E-09	6.33E-06	2.00E-09	5.81E-10	5.65E-05	1.78E-08	5.18E-09	3.04E-06	9.60E-10	2.79E-10
3089	485863.09, 3845877.25	5.53E-05	1.74E-08	5.07E-09	5.23E-06	1.65E-09	4.81E-10	5.61E-05	1.77E-08	5.15E-09	6.01E-06	1.90E-09	5.52E-10	5.43E-05	1.71E-08	4.98E-09	2.89E-06	9.11E-10	2.65E-10
3090	486363.09, 3845877.25	5.38E-05	1.70E-08	4.94E-09	5.07E-06	1.60E-09	4.65E-10	5.47E-05	1.72E-08	5.02E-09	5.82E-06	1.84E-09	5.34E-10	5.29E-05	1.67E-08	4.86E-09	2.79E-06	8.81E-10	2.56E-10
3091	486863.09, 3845877.25	5.10E-05	1.61E-08	4.68E-09	4.65E-06	1.47E-09	4.27E-10	5.17E-05	1.63E-08	4.75E-09	5.33E-06	1.68E-09	4.90E-10	5.02E-05	1.59E-08	4.61E-09	2.56E-06	8.09E-10	2.35E-10
3092	487363.09, 3845877.25	4.89E-05	1.54E-08	4.49E-09	4.53E-06	1.43E-09	4.16E-10	4.96E-05	1.57E-08	4.56E-09	5.20E-06	1.64E-09	4.77E-10	4.82E-05	1.52E-08	4.42E-09	2.50E-06	7.88E-10	2.29E-10
3093	487863.09, 3845877.25	4.70E-05	1.48E-08	4.31E-09	4.34E-06	1.37E-09	3.98E-10	4.77E-05	1.51E-08	4.38E-09	4.98E-06	1.57E-09	4.57E-10	4.63E-05	1.46E-08	4.25E-09	2.40E-06	7.56E-10	2.20E-10
3094	488363.09, 3845877.25	4.67E-05	1.48E-08	4.29E-09	4.27E-06	1.35E-09	3.92E-10	4.74E-05	1.50E-08	4.35E-09	4.90E-06	1.55E-09	4.50E-10	4.60E-05	1.45E-08	4.23E-09	2.36E-06	7.45E-10	2.17E-10
3095	488863.09, 3845877.25	5.13E-05	1.62E-08	4.71E-09	4.64E-06	1.46E-09	4.26E-10	5.21E-05	1.64E-08	4.78E-09	5.32E-06	1.68E-09	4.88E-10	5.05E-05	1.59E-08	4.64E-09	2.57E-06	8.12E-10	2.36E-10
3096	489363.09, 3845877.25	5.13E-05	1.62E-08	4.71E-09	4.65E-06	1.47E-09	4.27E-10	5.21E-05	1.64E-08	4.78E-09	5.33E-06	1.68E-09	4.89E-10	5.05E-05	1.59E-08	4.64E-09	2.58E-06	8.14E-10	2.37E-10
3097	489863.09, 3845877.25	5.13E-05	1.62E-08	4.70E-09	4.58E-06	1.44E-09	4.20E-10	5.20E-05	1.64E-08	4.77E-09	5.25E-06	1.66E-09	4.82E-10	5.04E-05	1.59E-08	4.63E-09	2.55E-06	8.03E-10	2.34E-10
3098	490363.09, 3845877.25	4.91E-05	1.55E-08	4.51E-09	4.33E-06	1.37E-09	3.98E-10	4.98E-05	1.57E-08	4.57E-09	4.97E-06	1.57E-09	4.56E-10	4.84E-05	1.53E-08	4.44E-09	2.41E-06	7.60E-10	2.21E-10

3099	490863.09, 3845877.25	4.59E-05	1.45E-08	4.22E-09	4.02E-06	1.27E-09	3.69E-10	4.66E-05	1.47E-08	4.28E-09	4.61E-06	1.45E-09	4.23E-10	4.53E-05	1.43E-08	4.16E-09	2.23E-06	7.05E-10	2.05E-10
3100	491363.09, 3845877.25	4.85E-05	1.53E-08	4.45E-09	4.25E-06	1.34E-09	3.91E-10	4.92E-05	1.55E-08	4.51E-09	4.88E-06	1.54E-09	4.48E-10	4.78E-05	1.51E-08	4.39E-09	2.36E-06	7.46E-10	2.17E-10
3101	491863.09, 3845877.25	5.09E-05	1.61E-08	4.67E-09	4.53E-06	1.43E-09	4.16E-10	5.16E-05	1.63E-08	4.74E-09	5.19E-06	1.64E-09	4.77E-10	5.01E-05	1.58E-08	4.60E-09	2.51E-06	7.93E-10	2.31E-10
3102	492363.09, 3845877.25	4.97E-05	1.57E-08	4.56E-09	4.52E-06	1.43E-09	4.15E-10	5.04E-05	1.59E-08	4.63E-09	5.18E-06	1.64E-09	4.76E-10	4.89E-05	1.54E-08	4.49E-09	2.51E-06	7.91E-10	2.30E-10
3103	492863.09, 3845877.25	5.48E-05	1.73E-08	5.03E-09	5.13E-06	1.62E-09	4.71E-10	5.56E-05	1.75E-08	5.10E-09	5.89E-06	1.86E-09	5.41E-10	5.38E-05	1.70E-08	4.94E-09	2.84E-06	8.96E-10	2.60E-10
3104	493363.09, 3845877.25	5.66E-05	1.79E-08	5.19E-09	5.44E-06	1.72E-09	4.99E-10	5.75E-05	1.81E-08	5.27E-09	6.24E-06	1.97E-09	5.73E-10	5.55E-05	1.75E-08	5.10E-09	3.00E-06	9.46E-10	2.75E-10
3105	493863.09, 3845877.25	5.81E-05	1.84E-08	5.34E-09	5.81E-06	1.83E-09	5.33E-10	5.91E-05	1.86E-08	5.42E-09	6.67E-06	2.10E-09	6.12E-10	5.70E-05	1.80E-08	5.23E-09	3.19E-06	1.01E-09	2.93E-10
3106	494363.09, 3845877.25	5.94E-05	1.88E-08	5.46E-09	6.25E-06	1.97E-09	5.74E-10	6.04E-05	1.91E-08	5.55E-09	7.18E-06	2.27E-09	6.59E-10	5.81E-05	1.83E-08	5.33E-09	3.42E-06	1.08E-09	3.14E-10
3107	494863.09, 3845877.25	6.06E-05	1.91E-08	5.56E-09	6.48E-06	2.04E-09	5.95E-10	6.16E-05	1.94E-08	5.66E-09	7.44E-06	2.35E-09	6.83E-10	5.91E-05	1.87E-08	5.42E-09	3.54E-06	1.12E-09	3.25E-10
3108	495363.09, 3845877.25	6.38E-05	2.01E-08	5.85E-09	6.89E-06	2.18E-09	6.33E-10	6.49E-05	2.05E-08	5.96E-09	7.92E-06	2.50E-09	7.27E-10	6.22E-05	1.96E-08	5.71E-09	3.77E-06	1.19E-09	3.46E-10
3109	495863.09, 3845877.25	6.66E-05	2.10E-08	6.12E-09	7.27E-06	2.29E-09	6.67E-10	6.78E-05	2.14E-08	6.23E-09	8.36E-06	2.64E-09	7.67E-10	6.50E-05	2.05E-08	5.96E-09	3.96E-06	1.25E-09	3.64E-10
3110	496363.09, 3845877.25	6.97E-05	2.20E-08	6.40E-09	7.58E-06	2.39E-09	6.95E-10	7.10E-05	2.24E-08	6.52E-09	8.71E-06	2.75E-09	8.00E-10	6.80E-05	2.15E-08	6.25E-09	4.13E-06	1.30E-09	3.79E-10
3111	496863.09, 3845877.25	7.33E-05	2.31E-08	6.73E-09	7.81E-06	2.47E-09	7.17E-10	7.46E-05	2.35E-08	6.84E-09	8.98E-06	2.84E-09	8.25E-10	7.16E-05	2.26E-08	6.57E-09	4.26E-06	1.35E-09	3.91E-10
3112	497363.09, 3845877.25	7.71E-05	2.43E-08	7.08E-09	8.21E-06	2.59E-09	7.54E-10	7.85E-05	2.48E-08	7.20E-09	9.44E-06	2.98E-09	8.66E-10	7.53E-05	2.38E-08	6.91E-09	4.48E-06	1.41E-09	4.11E-10
3113	497863.09, 3845877.25	8.16E-05	2.57E-08	7.49E-09	8.71E-06	2.75E-09	8.00E-10	8.30E-05	2.62E-08	7.62E-09	1.00E-05	3.16E-09	9.20E-10	7.96E-05	2.51E-08	7.31E-09	4.76E-06	1.50E-09	4.37E-10
3114	498363.09, 3845877.25	8.62E-05	2.72E-08	7.91E-09	9.18E-06	2.90E-09	8.43E-10	8.77E-05	2.77E-08	8.05E-09	1.06E-05	3.33E-09	9.69E-10	8.41E-05	2.66E-08	7.72E-09	5.01E-06	1.58E-09	4.60E-10
3115	471363.09, 3846377.25	1.30E-04	4.12E-08	1.20E-08	1.86E-05	5.88E-09	1.71E-09	1.34E-04	4.22E-08	1.23E-08	2.15E-05	6.80E-09	1.98E-09	1.26E-04	3.96E-08	1.15E-08	9.82E-06	3.10E-09	9.01E-10
3116	471863.09, 3846377.25	1.15E-04	3.64E-08	1.06E-08	1.77E-05	5.59E-09	1.63E-09	1.18E-04	3.74E-08	1.09E-08	2.05E-05	6.46E-09	1.88E-09	1.10E-04	3.48E-08	1.01E-08	9.34E-06	2.95E-09	8.57E-10
3117	472363.09, 3846377.25	8.85E-05	2.79E-08	8.12E-09	1.38E-05	4.35E-09	1.26E-09	9.08E-05	2.87E-08	8.33E-09	1.59E-05	5.02E-09	1.46E-09	8.43E-05	2.66E-08	7.74E-09	7.29E-06	2.30E-09	6.69E-10
3118	472863.09, 3846377.25	9.08E-05	2.87E-08	8.34E-09	1.37E-05	4.34E-09	1.26E-09	9.31E-05	2.94E-08	8.55E-09	1.59E-05	5.01E-09	1.46E-09	8.68E-05	2.74E-08	7.97E-09	7.27E-06	2.29E-09	6.67E-10
3119	473363.09, 3846377.25	9.48E-05	2.99E-08	8.71E-09	1.37E-05	4.32E-09	1.26E-09	9.72E-05	3.07E-08	8.92E-09	1.58E-05	4.99E-09	1.45E-09	9.11E-05	2.87E-08	8.36E-09	7.25E-06	2.29E-09	6.66E-10
3120	473863.09, 3846377.25	1.07E-04	3.37E-08	9.81E-09	1.33E-05	4.20E-09	1.22E-09	1.09E-04	3.44E-08	1.00E-08	1.54E-05	4.85E-09	1.41E-09	1.04E-04	3.28E-08	9.54E-09	7.04E-06	2.22E-09	6.47E-10
3121	474363.09, 3846377.25	1.18E-04	3.73E-08	1.08E-08	1.38E-05	4.35E-09	1.26E-09	1.20E-04	3.80E-08	1.11E-08	1.59E-05	5.02E-09	1.46E-09	1.16E-04	3.65E-08	1.06E-08	7.29E-06	2.30E-09	6.69E-10
3122	474863.09, 3846377.25	1.30E-04	4.09E-08	1.19E-08	1.57E-05	4.94E-09	1.44E-09	1.32E-04	4.18E-08	1.22E-08	1.81E-05	5.71E-09	1.66E-09	1.27E-04	4.00E-08	1.16E-08	8.27E-06	2.61E-09	7.59E-10
3123	475363.09, 3846377.25	1.35E-04	4.27E-08	1.24E-08	1.86E-05	5.87E-09	1.71E-09	1.38E-04	4.37E-08	1.27E-08	2.15E-05	6.79E-09	1.97E-09	1.31E-04	4.12E-08	1.20E-08	9.80E-06	3.09E-09	9.00E-10
3124	475863.09, 3846377.25	1.44E-04	4.53E-08	1.32E-08	2.57E-05	8.12E-09	2.36E-09	1.48E-04	4.67E-08	1.36E-08	2.98E-05	9.40E-09	2.73E-09	1.35E-04	4.26E-08	1.24E-08	1.35E-05	4.27E-09	1.24E-09
3125	476363.09, 3846377.25	1.35E-04	4.25E-08	1.24E-08	2.58E-05	8.15E-09	2.37E-09	1.39E-04	4.39E-08	1.28E-08	2.99E-05	9.42E-09	2.74E-09	1.26E-04	3.97E-08	1.15E-08	1.36E-05	4.28E-09	1.24E-09
3126	476863.09, 3846377.25	1.21E-04	3.83E-08	1.11E-08	2.41E-05	7.60E-09	2.21E-09	1.25E-04	3.96E-08	1.15E-08	2.79E-05	8.79E-09	2.56E-09	1.12E-04	3.55E-08	1.03E-08	1.27E-05	4.00E-09	1.16E-09
3127	477363.09, 3846377.25	1.14E-04	3.60E-08	1.05E-08	2.24E-05	7.06E-09	2.05E-09	1.18E-04	3.72E-08	1.08E-08	2.59E-05	8.16E-09	2.37E-09	1.06E-04	3.34E-08	9.71E-09	1.18E-05	3.72E-09	1.08E-09
3128	477863.09, 3846377.25	1.04E-04	3.28E-08	9.55E-09	1.58E-05	4.98E-09	1.45E-09	1.07E-04	3.37E-08	9.80E-09	1.82E-05	5.75E-09	1.67E-09	9.94E-05	3.14E-08	9.12E-09	8.36E-06	2.64E-09	7.68E-10
3129	478363.09, 3846377.25	1.00E-04	3.17E-08	9.21E-09	1.50E-05	4.74E-09	1.38E-09	1.03E-04	3.25E-08	9.45E-09	1.73E-05	5.47E-09	1.59E-09	9.59E-05	3.03E-08	8.80E-09	7.97E-06	2.52E-09	7.32E-10
3130	478863.09, 3846377.25	9.83E-05	3.10E-08	9.03E-09	1.58E-05	4.98E-09	1.45E-09	1.01E-04	3.19E-08	9.27E-09	1.82E-05	5.75E-09	1.67E-09	9.33E-05	2.94E-08	8.56E-09	8.36E-06	2.64E-09	7.68E-10
3131	479363.09, 3846377.25	9.17E-05	2.89E-08	8.41E-09	1.38E-05	4.36E-09	1.27E-09	9.40E-05	2.97E-08	8.63E-09	1.60E-05	5.04E-09	1.47E-09	8.75E-05	2.76E-08	8.03E-09	7.34E-06	2.32E-09	6.74E-10
3132	479863.09, 3846377.25	8.70E-05	2.75E-08	7.99E-09	1.28E-05	4.05E-09	1.18E-09	8.92E-05	2.81E-08	8.18E-09	1.48E-05	4.67E-09	1.36E-09	8.32E-05	2.63E-08	7.64E-09	6.82E-06	2.15E-09	6.26E-10
3133	480363.09, 3846377.25	8.87E-05	2.80E-08	8.14E-09	1.34E-05	4.21E-09	1.23E-09	9.09E-05	2.87E-08	8.35E-09	1.54E-05	4.86E-09	1.41E-09	8.46E-05	2.67E-08	7.77E-09	7.10E-06	2.24E-09	6.52E-10
3134	480863.09, 3846377.25	8.01E-05	2.53E-08	7.35E-09	1.09E-05	3.45E-09	1.00E-09	8.19E-05	2.59E-08	7.52E-09	1.26E-05	3.98E-09	1.16E-09	7.71E-05	2.43E-08	7.07E-09	5.84E-06	1.84E-09	5.36E-10
3135	481363.09, 3846377.25	7.60E-05	2.40E-08	6.97E-09	9.76E-06	3.08E-09	8.96E-10	7.76E-05	2.45E-08	7.12E-09	1.12E-05	3.55E-09	1.03E-09	7.34E-05	2.32E-08	6.74E-09	5.24E-06	1.65E-09	4.81E-10
3136	481863.09, 3846377.25	7.26E-05	2.29E-08	6.66E-09	8.44E-06	2.66E-09	7.75E-10	7.40E-05	2.33E-08	6.79E-09	9.72E-06	3.07E-09	8.92E-10	7.06E-05	2.23E-08	6.48E-09	4.55E-06	1.44E-09	4.18E-10
3137	482363.09, 3846377.25	6.94E-05	2.19E-08	6.37E-09	7.97E-06	2.51E-09	7.32E-10	7.07E-05	2.23E-08	6.49E-09	9.17E-06	2.90E-09	8.42E-10	6.75E-05	2.13E-08	6.20E-09	4.31E-06	1.36E-09	3.96E-10
3138	482863.09, 3846377.25	6.51E-05	2.06E-08	5.98E-09	6.80E-06	2.15E-09	6.24E-10	6.63E-05	2.09E-08	6.08E-09	7.82E-06	2.47E-09	7.18E-10	6.37E-05	2.01E-08	5.85E-09	3.71E-06	1.17E-09	3.40E-10
3139	483363.09, 3846377.25	6.65E-05	2.10E-08	6.10E-09	7.00E-06	2.21E-09	6.42E-10	6.76E-05	2.13E-08	6.21E-09	8.05E-06	2.54E-09	7.39E-10	6.50E-05	2.05E-08	5.96E-09	3.82E-06	1.21E-09	3.51E-10
3140	483863.09, 3846377.25	6.69E-05	2.11E-08	6.14E-09	6.87E-06	2.17E-09	6.31E-10	6.80E-05	2.15E-08	6.24E-09	7.90E-06	2.49E-09	7.25E-10	6.54E-05	2.06E-08	6.00E-09	3.76E-06	1.19E-09	3.45E-10
3141	484363.09, 3846377.25	6.51E-05	2.05E-08	5.97E-09	6.30E-06	1.99E-09	5.78E-10	6.61E-05	2.09E-08	6.07E-09	7.23E-06	2.28E-09	6.63E-10	6.38E-05	2.01E-08	5.85E-09	3.47E-06	1.09E-09	3.18E-10
3142	484863.09, 3846377.25	6.69E-05	2.11E-08	6.15E-09	6.71E-06	2.12E-09	6.16E-10	6.80E-05	2.15E-08	6.25E-09	7.70E-06	2.43E-09	7.07E-10	6.55E-05	2.07E-08	6.01E-09	3.69E-06	1.16E-09	3.38E-10
3143	485363.09, 3846377.25	6.51E-05	2.05E-08	5.98E-09	6.55E-06	2.07E-09	6.01E-10	6.62E-05	2.09E-08	6.07E-09	7.52E-06	2.37E-09	6.90E-10	6.37E-05	2.01E-08	5.85E-09	3.60E-06	1.13E-09	3.30E-10
3144	485863.09, 3846377.25	6.01E-05	1.90E-08	5.51E-09	5.85E-06	1.85E-09	5.37E-10	6.10E-05	1.93E-08	5.60E-09	6.72E-06	2.12E-09	6.16E-10	5.89E-05	1.86E-08	5.41E-09	3.22E-06	1.01E-09	2.95E-10
3145	486363.09, 3846377.25	5.51E-05	1.74E-08	5.06E-09	5.05E-06	1.59E-09	4.63E-10	5.59E-05	1.77E-08	5.13E-09	5.79E-06	1.83E-09	5.32E-10	5.43E-05	1.71E-08	4.98E-09	2.78E-06	8.79E-10	2.56E-10
3146	486863.09, 3846377.25	5.30E-05	1.67E-08	4.86E-09	4.81E-06	1.52E-09	4.41E-10	5.37E-05	1.70E-08	4.93E-09	5.52E-06	1.74E-09	5.06E-10	5.22E-05	1.65E-08	4.79E-09	2.65E-06	8.37E-10	2.43E-10
3147	487363.09, 3846377.25	5.17E-05	1.63E-08	4.75E-09	4.84E-06	1.53E-09	4.44E-10	5.25E-05	1.66E-08	4.82E-09	5.56E-06	1.75E-09	5.10E-10	5.09E-05	1.61E-08	4.67E-09	2.67E-06	8.41E-10	2.45E-10
3148	487863.09, 3846377.25	5.34E-05	1.69E-08	4.91E-09	5.18E-06	1.63E-09	4.75E-10	5.43E-05	1.71E-08	4.98E-09	5.95E-06	1.88E-09	5.46E-10	5.25E-05	1.66E-08	4.82E-09	2.85E-06	8.98E-10	2.61E-10
3149	488363.09, 3846377.25	5.43E-05	1.71E-08	4.98E-09	5.16E-06	1.63E-09	4.74E-10	5.51E-05	1.74E-08	5.06E-09	5.92E-06	1.87E-09	5.44E-10	5.33E-05	1.68E-08	4.89E-09	2.84E-06	8.98E-10	2.61E-10
3150	488863.09, 3846377.25	5.52E-05	1.74E-08	5.07E-09	5.03E-06	1.59E-09	4.62E-10	5.60E-05	1.77E-08	5.14E-09	5.77E-06	1.82E-09	5.30E-10	5.43E-05	1.71E-08	4.99E-09	2.79E-06	8.80E-10	2.56E-10
3151	489363.09, 3846377.25	5.60E-05	1.77E-08	5.14E-09	5.08E-06	1.60E-09	4.67E-10	5.68E-05	1.79E-08	5.21E-09	5.83E-06	1.84E-09	5.35E-10	5.50E-05	1.74E-08	5.05E-09	2.82E-06	8.91E-10	2.59E-10
3152	489863.09, 3846377.25	5.55E-05	1.75E-08	5.09E-09	5.00E-06	1.58E-09	4.59E-10	5.63E-05	1.78E-08	5.17E-09	5.74E-06	1.81E-09	5.27E-10	5.46E-05	1.72E-08	5.01E-09	2.78E-06	8.76E-10	2.55E-10
3153	490363.09, 3846377.25	5.10E-05	1.61E-08	4.68E-09	4.53E-06	1.43E-09	4.16E-10	5.17E-05	1.63E-08	4.74E-09	5.19E-06	1.64E-09	4.77E-10	5.02E-05	1.58E-08	4.61E-09	2.51E-06	7.93E-10	2.31E-10
3154	490863.09, 3846377.25	5.01E-05	1.58E-08	4.60E-09	4.41E-06	1.39E-09	4.05E-10	5.08E-05	1.60E-08	4.66E-09	5.06E-06	1.60E-09	4.64E-10	4.94E-05	1.56E-08	4.53E-09	2.45E-06	7.73E-10	2.25E-10
3155	491363.09, 3846377.25	5.07E-05	1.60E-08	4.65E-09	4.49E-06	1.42E-09	4.12E-10	5.14E-05	1.62E-08	4.72E-09	5.15E-06	1.62E-09	4.73E-10	4.99E-05	1.58E-08	4.58E-09	2.49E-06	7.87E-10	2.29E-10
3156	491863.09, 3846377.25	5.56E-05	1.75E-08	5.10E-09	5.10E-06	1.61E-09	4.69E-10	5.64E-05	1.78E-08	5.18E-09	5.86E-06	1.85E-09	5.38E-10	5.47E-05	1.73E-08	5.02E-09	2.83E-06	8.92E-10	2.59E-10
3157	492363.09, 3846377.25	5.65E-05	1.78E-08	5.19E-09	5.26E-06	1.66E-09	4.83E-10	5.74E-05	1.81E-08	5.27E-09	6.03E-06	1.90E-09	5.54E-10	5.56E-05	1.75E-08	5.10E-09	2.91E-06	9.18E-10	2.67E-10
3158	492863.09, 3846377.25	5.78E-05	1.82E-08	5.31E-09	5.48E-06	1.73E-09	5.03E-10	5.87E-05	1.85E-08	5.39E-09	6.29E-06	1.99E-09	5.78E-10	5.68E-05	1.79E-08	5.21E-09	3.03E-06	9.56E-10	2.78E-10
3159	493363.09, 3846377.25	6.04E-05	1.91E-08	5.55E-09	5.97E-06	1.88E-09	5.48E-10	6.14E-05	1.94E-08	5.64E-09	6.86E-06	2.16E-09	6.29E-10	5.92E-05	1.87E-08	5.44E-09	3.29E-06	1.04E-09	3.02E-10
3160	493863.09, 3846377.25	6.20E-05	1.96E-08	5.69E-09	6.41E-06	2.02E-09	5.89E-10	6.30E-05	1.99E-08	5.79E-09	7.37E-06	2.33E-09	6.76E-10	6.06E-05	1.91E-08	5.57E-09	3.52E-06	1.11E-09	3.23E-10
3161	494363.09, 3846377.25	6.35E-05	2.01E-08	5.83E-09	6.86E-06	2.17E-09	6.30E-10	6.47E-05	2.04E-08	5.94E-09	7.89E-06	2.49E-09	7.24E-10	6.20E-05	1.96E-08	5.69E-09	3.75E-06	1.18E-09	3.44E-10
3162	494863.09, 3846377.25	6.65E-05	2.10E-08	6.11E-09	7.28E-06	2.30E-09	6.68E-10	6.77E-05	2.14E-08	6.21E-09	8.37E-06	2.64E-09	7.68E-10	6.48E-05	2.05E-08	5.95E-09	3.97E-06	1.25E-09	3.65E-10
3163	495363.09, 3846377.25	6.93E-05	2.19E-08	6.37E-09	7.62E-06	2.40E-09	6.99E-10	7.06E-05	2.23E-08	6.48E-09	8.76E-06	2.76E-09	8.04E-10	6.76E-05	2.13E-08	6.20E-09	4.15E-06	1.31E-09	3.81E-10
3164	495863.09, 3846377.25	7.30E-05	2.30E-08	6.70E-09	8.00E-06	2.52E-09	7.34E-10	7.43E-05	2.35E-08	6.82E-09	9.20E-06	2.90E-09	8.44E-10	7.12E-05	2.25E-08	6.54E-09	4.36E-06	1.38E-09	4.00E-10

3165 496363.09, 3846377.25	7.73E-05	2.44E-08	7.09E-09	8.38E-06	2.65E-09	7.70E-10	7.86E-05	2.48E-08	7.22E-09	9.64E-06	3.04E-09	8.85E-10	7.54E-05	2.38E-08	6.92E-09	4.57E-06	1.44E-09	4.19E-10
3166 496863.09, 3846377.25	8.20E-05	2.59E-08	7.52E-09	8.92E-06	2.82E-09	8.19E-10	8.34E-05	2.63E-08	7.66E-09	1.03E-05	3.24E-09	9.42E-10	8.00E-05	2.52E-08	7.34E-09	4.86E-06	1.53E-09	4.46E-10
3167 497363.09, 3846377.25	8.74E-05	2.76E-08	8.02E-09	9.51E-06	3.00E-09	8.73E-10	8.89E-05	2.81E-08	8.17E-09	1.09E-05	3.45E-09	1.00E-09	8.52E-05	2.69E-08	7.82E-09	5.18E-06	1.63E-09	4.76E-10
3168 497863.09, 3846377.25	9.25E-05	2.92E-08	8.49E-09	1.01E-05	3.19E-09	9.27E-10	9.42E-05	2.97E-08	8.65E-09	1.16E-05	3.66E-09	1.07E-09	9.02E-05	2.85E-08	8.28E-09	5.50E-06	1.74E-09	5.05E-10
3169 498363.09, 3846377.25	9.78E-05	3.09E-08	8.97E-09	1.06E-05	3.36E-09	9.76E-10	9.95E-05	3.14E-08	9.13E-09	1.22E-05	3.86E-09	1.12E-09	9.53E-05	3.01E-08	8.75E-09	5.79E-06	1.83E-09	5.32E-10
3170 471363.09, 3846877.25	1.47E-04	4.65E-08	1.35E-08	2.10E-05	6.61E-09	1.92E-09	1.51E-04	4.77E-08	1.39E-08	2.42E-05	7.65E-09	2.22E-09	1.42E-04	4.49E-08	1.30E-08	1.10E-05	3.48E-09	1.01E-09
3171 471863.09, 3846877.25	1.44E-04	4.54E-08	1.32E-08	2.06E-05	6.51E-09	1.89E-09	1.47E-04	4.65E-08	1.35E-08	2.38E-05	7.53E-09	2.19E-09	1.39E-04	4.38E-08	1.27E-08	1.09E-05	3.43E-09	9.97E-10
3172 472363.09, 3846877.25	1.32E-04	4.16E-08	1.21E-08	1.99E-05	6.27E-09	1.82E-09	1.35E-04	4.27E-08	1.24E-08	2.30E-05	7.25E-09	2.11E-09	1.26E-04	3.99E-08	1.16E-08	1.05E-05	3.30E-09	9.60E-10
3173 472863.09, 3846877.25	9.33E-05	2.94E-08	8.56E-09	1.47E-05	4.65E-09	1.35E-09	9.58E-05	3.02E-08	8.79E-09	1.70E-05	5.37E-09	1.56E-09	8.88E-05	2.80E-08	8.15E-09	7.79E-06	2.46E-09	7.15E-10
3174 473363.09, 3846877.25	1.00E-04	3.17E-08	9.22E-09	1.57E-05	4.97E-09	1.44E-09	1.03E-04	3.25E-08	9.47E-09	1.82E-05	5.74E-09	1.67E-09	9.57E-05	3.02E-08	8.79E-09	8.31E-06	2.62E-09	7.63E-10
3175 473863.09, 3846877.25	1.13E-04	3.58E-08	1.04E-08	1.67E-05	5.28E-09	1.54E-09	1.16E-04	3.67E-08	1.07E-08	1.93E-05	6.10E-09	1.77E-09	1.09E-04	3.43E-08	9.97E-09	8.83E-06	2.79E-09	8.11E-10
3176 474363.09, 3846877.25	1.22E-04	3.86E-08	1.12E-08	1.56E-05	4.92E-09	1.43E-09	1.25E-04	3.94E-08	1.15E-08	1.80E-05	5.69E-09	1.65E-09	1.19E-04	3.75E-08	1.09E-08	8.24E-06	2.60E-09	7.57E-10
3177 474863.09, 3846877.25	1.32E-04	4.16E-08	1.21E-08	1.53E-05	4.83E-09	1.40E-09	1.34E-04	4.24E-08	1.23E-08	1.77E-05	5.58E-09	1.62E-09	1.29E-04	4.07E-08	1.19E-08	8.09E-06	2.55E-09	7.43E-10
3178 475363.09, 3846877.25	1.36E-04	4.28E-08	1.25E-08	1.66E-05	5.25E-09	1.53E-09	1.38E-04	4.37E-08	1.27E-08	1.92E-05	6.06E-09	1.76E-09	1.32E-04	4.18E-08	1.21E-08	8.78E-06	2.77E-09	8.06E-10
3179 475863.09, 3846877.25	1.48E-04	4.67E-08	1.36E-08	2.06E-05	6.50E-09	1.89E-09	1.52E-04	4.78E-08	1.39E-08	2.38E-05	7.52E-09	2.19E-09	1.43E-04	4.51E-08	1.31E-08	1.08E-05	3.42E-09	9.96E-10
3180 476363.09, 3846877.25	1.54E-04	4.87E-08	1.42E-08	2.81E-05	8.86E-09	2.58E-09	1.59E-04	5.02E-08	1.46E-08	3.25E-05	1.02E-08	2.98E-09	1.45E-04	4.58E-08	1.33E-08	1.47E-05	4.65E-09	1.35E-09
3181 476863.09, 3846877.25	1.45E-04	4.59E-08	1.33E-08	2.83E-05	8.94E-09	2.60E-09	1.50E-04	4.74E-08	1.38E-08	3.28E-05	1.03E-08	3.01E-09	1.35E-04	4.27E-08	1.24E-08	1.49E-05	4.69E-09	1.36E-09
3182 477363.09, 3846877.25	1.31E-04	4.12E-08	1.20E-08	2.69E-05	8.50E-09	2.47E-09	1.35E-04	4.27E-08	1.24E-08	3.12E-05	9.83E-09	2.86E-09	1.21E-04	3.80E-08	1.11E-08	1.41E-05	4.46E-09	1.30E-09
3183 477863.09, 3846877.25	1.22E-04	3.84E-08	1.12E-08	2.35E-05	7.42E-09	2.16E-09	1.26E-04	3.97E-08	1.15E-08	2.72E-05	8.57E-09	2.49E-09	1.13E-04	3.57E-08	1.04E-08	1.24E-05	3.90E-09	1.14E-09
3184 478363.09, 3846877.25	1.14E-04	3.61E-08	1.05E-08	1.73E-05	5.45E-09	1.59E-09	1.17E-04	3.70E-08	1.08E-08	2.00E-05	6.30E-09	1.83E-09	1.09E-04	3.44E-08	1.00E-08	9.15E-06	2.89E-09	8.40E-10
3185 478863.09, 3846877.25	1.15E-04	3.64E-08	1.06E-08	1.83E-05	5.77E-09	1.68E-09	1.18E-04	3.74E-08	1.09E-08	2.11E-05	6.67E-09	1.94E-09	1.09E-04	3.46E-08	1.01E-08	9.68E-06	3.06E-09	8.89E-10
3186 479363.09, 3846877.25	1.05E-04	3.33E-08	9.67E-09	1.72E-05	5.42E-09	1.58E-09	1.08E-04	3.42E-08	9.94E-09	1.98E-05	6.26E-09	1.82E-09	9.98E-05	3.15E-08	9.16E-09	9.09E-06	2.87E-09	8.35E-10
3187 479863.09, 3846877.25	8.90E-05	2.81E-08	8.17E-09	1.30E-05	4.09E-09	1.19E-09	9.12E-05	2.88E-08	8.37E-09	1.49E-05	4.72E-09	1.37E-09	8.52E-05	2.69E-08	7.82E-09	6.89E-06	2.18E-09	6.33E-10
3188 480363.09, 3846877.25	8.29E-05	2.62E-08	7.61E-09	1.14E-05	3.60E-09	1.05E-09	8.48E-05	2.68E-08	7.78E-09	1.32E-05	4.15E-09	1.21E-09	7.97E-05	2.52E-08	7.32E-09	6.09E-06	1.92E-09	5.59E-10
3189 480863.09, 3846877.25	7.99E-05	2.52E-08	7.34E-09	1.08E-05	3.40E-09	9.90E-10	8.17E-05	2.58E-08	7.50E-09	1.24E-05	3.93E-09	1.14E-09	7.70E-05	2.43E-08	7.06E-09	5.77E-06	1.82E-09	5.30E-10
3190 481363.09, 3846877.25	7.96E-05	2.51E-08	7.31E-09	1.05E-05	3.33E-09	9.68E-10	8.13E-05	2.57E-08	7.47E-09	1.22E-05	3.84E-09	1.12E-09	7.67E-05	2.42E-08	7.04E-09	5.65E-06	1.78E-09	5.18E-10
3191 481863.09, 3846877.25	7.77E-05	2.45E-08	7.14E-09	9.44E-06	2.98E-09	8.67E-10	7.93E-05	2.50E-08	7.28E-09	1.09E-05	3.43E-09	9.99E-10	7.54E-05	2.38E-08	6.92E-09	5.08E-06	1.60E-09	4.66E-10
3192 482363.09, 3846877.25	7.27E-05	2.30E-08	6.68E-09	8.46E-06	2.67E-09	7.76E-10	7.41E-05	2.34E-08	6.81E-09	9.74E-06	3.07E-09	8.94E-10	7.07E-05	2.23E-08	6.49E-09	4.57E-06	1.44E-09	4.20E-10
3193 482863.09, 3846877.25	7.22E-05	2.28E-08	6.63E-09	8.32E-06	2.63E-09	7.64E-10	7.36E-05	2.32E-08	6.76E-09	9.58E-06	3.02E-09	8.79E-10	7.02E-05	2.22E-08	6.45E-09	4.50E-06	1.42E-09	4.13E-10
3194 483363.09, 3846877.25	7.20E-05	2.27E-08	6.61E-09	8.12E-06	2.56E-09	7.45E-10	7.33E-05	2.31E-08	6.73E-09	9.34E-06	2.95E-09	8.57E-10	7.00E-05	2.21E-08	6.43E-09	4.41E-06	1.39E-09	4.04E-10
3195 483863.09, 3846877.25	7.22E-05	2.28E-08	6.63E-09	7.95E-06	2.51E-09	7.30E-10	7.35E-05	2.32E-08	6.75E-09	9.14E-06	2.89E-09	8.39E-10	7.03E-05	2.22E-08	6.45E-09	4.33E-06	1.37E-09	3.97E-10
3196 484363.09, 3846877.25	7.27E-05	2.29E-08	6.67E-09	7.60E-06	2.40E-09	6.98E-10	7.39E-05	2.33E-08	6.78E-09	8.74E-06	2.76E-09	8.02E-10	7.09E-05	2.24E-08	6.51E-09	4.16E-06	1.31E-09	3.82E-10
3197 484863.09, 3846877.25	7.19E-05	2.27E-08	6.60E-09	7.39E-06	2.33E-09	6.79E-10	7.31E-05	2.31E-08	6.71E-09	8.49E-06	2.68E-09	7.80E-10	7.02E-05	2.22E-08	6.45E-09	4.05E-06	1.28E-09	3.72E-10
3198 485363.09, 3846877.25	7.04E-05	2.22E-08	6.47E-09	7.27E-06	2.29E-09	6.67E-10	7.16E-05	2.26E-08	6.58E-09	8.35E-06	2.64E-09	7.67E-10	6.88E-05	2.17E-08	6.32E-09	3.98E-06	1.26E-09	3.66E-10
3199 485863.09, 3846877.25	6.57E-05	2.07E-08	6.03E-09	6.54E-06	2.06E-09	6.00E-10	6.67E-05	2.11E-08	6.13E-09	7.51E-06	2.37E-09	6.89E-10	6.43E-05	2.03E-08	5.90E-09	3.59E-06	1.13E-09	3.29E-10
3200 486363.09, 3846877.25	6.49E-05	2.05E-08	5.96E-09	6.51E-06	2.06E-09	5.98E-10	6.60E-05	2.08E-08	6.06E-09	7.49E-06	2.36E-09	6.87E-10	6.36E-05	2.01E-08	5.84E-09	3.56E-06	1.12E-09	3.27E-10
3201 486863.09, 3846877.25	5.99E-05	1.89E-08	5.50E-09	5.76E-06	1.82E-09	5.28E-10	6.08E-05	1.92E-08	5.58E-09	6.61E-06	2.09E-09	6.07E-10	5.88E-05	1.86E-08	5.40E-09	3.16E-06	9.97E-10	2.90E-10
3202 487363.09, 3846877.25	5.83E-05	1.84E-08	5.35E-09	5.78E-06	1.83E-09	5.31E-10	5.93E-05	1.87E-08	5.44E-09	6.65E-06	2.10E-09	6.10E-10	5.72E-05	1.81E-08	5.25E-09	3.17E-06	1.00E-09	2.91E-10
3203 487863.09, 3846877.25	5.76E-05	1.82E-08	5.29E-09	5.75E-06	1.81E-09	5.28E-10	5.85E-05	1.85E-08	5.37E-09	6.61E-06	2.09E-09	6.06E-10	5.65E-05	1.78E-08	5.18E-09	3.15E-06	9.95E-10	2.90E-10
3204 488363.09, 3846877.25	5.80E-05	1.83E-08	5.32E-09	5.58E-06	1.76E-09	5.12E-10	5.89E-05	1.86E-08	5.41E-09	6.41E-06	2.02E-09	5.88E-10	5.69E-05	1.80E-08	5.23E-09	3.07E-06	9.69E-10	2.82E-10
3205 488863.09, 3846877.25	5.92E-05	1.87E-08	5.44E-09	5.53E-06	1.74E-09	5.08E-10	6.01E-05	1.90E-08	5.52E-09	6.34E-06	2.00E-09	5.82E-10	5.82E-05	1.84E-08	5.34E-09	3.06E-06	9.64E-10	2.81E-10
3206 489363.09, 3846877.25	6.08E-05	1.92E-08	5.58E-09	5.66E-06	1.79E-09	5.19E-10	6.17E-05	1.95E-08	5.66E-09	6.49E-06	2.05E-09	5.96E-10	5.97E-05	1.88E-08	5.48E-09	3.13E-06	9.89E-10	2.88E-10
3207 489863.09, 3846877.25	6.13E-05	1.94E-08	5.63E-09	5.52E-06	1.74E-09	5.07E-10	6.22E-05	1.96E-08	5.71E-09	6.33E-06	2.00E-09	5.81E-10	6.03E-05	1.90E-08	5.54E-09	3.06E-06	9.66E-10	2.81E-10
3208 490363.09, 3846877.25	5.73E-05	1.81E-08	5.26E-09	5.05E-06	1.59E-09	4.63E-10	5.81E-05	1.84E-08	5.34E-09	5.79E-06	1.83E-09	5.31E-10	5.65E-05	1.78E-08	5.19E-09	2.80E-06	8.85E-10	2.57E-10
3209 490863.09, 3846877.25	5.62E-05	1.78E-08	5.16E-09	5.04E-06	1.59E-09	4.63E-10	5.70E-05	1.80E-08	5.24E-09	5.78E-06	1.82E-09	5.30E-10	5.54E-05	1.75E-08	5.09E-09	2.79E-06	8.82E-10	2.57E-10
3210 491363.09, 3846877.25	5.75E-05	1.82E-08	5.28E-09	5.30E-06	1.67E-09	4.87E-10	5.84E-05	1.84E-08	5.36E-09	6.08E-06	1.92E-09	5.58E-10	5.66E-05	1.79E-08	5.19E-09	2.93E-06	9.26E-10	2.69E-10
3211 491863.09, 3846877.25	5.82E-05	1.84E-08	5.34E-09	5.45E-06	1.72E-09	5.01E-10	5.91E-05	1.86E-08	5.42E-09	6.26E-06	1.97E-09	5.74E-10	5.72E-05	1.80E-08	5.25E-09	3.01E-06	9.51E-10	2.77E-10
3212 492363.09, 3846877.25	6.32E-05	1.99E-08	5.80E-09	6.07E-06	1.91E-09	5.57E-10	6.41E-05	2.02E-08	5.89E-09	6.96E-06	2.20E-09	6.39E-10	6.20E-05	1.96E-08	5.69E-09	3.34E-06	1.06E-09	3.07E-10
3213 492863.09, 3846877.25	6.42E-05	2.03E-08	5.90E-09	6.33E-06	2.00E-09	5.81E-10	6.53E-05	2.06E-08	5.99E-09	7.26E-06	2.29E-09	6.67E-10	6.30E-05	1.99E-08	5.78E-09	3.48E-06	1.10E-09	3.20E-10
3214 493363.09, 3846877.25	6.62E-05	2.09E-08	6.07E-09	6.84E-06	2.16E-09	6.28E-10	6.73E-05	2.12E-08	6.18E-09	7.86E-06	2.48E-09	7.22E-10	6.47E-05	2.04E-08	5.94E-09	3.75E-06	1.18E-09	3.44E-10
3215 493863.09, 3846877.25	6.76E-05	2.13E-08	6.21E-09	7.25E-06	2.29E-09	6.66E-10	6.88E-05	2.17E-08	6.31E-09	8.33E-06	2.63E-09	7.65E-10	6.60E-05	2.08E-08	6.06E-09	3.97E-06	1.25E-09	3.64E-10
3216 494363.09, 3846877.25	6.95E-05	2.19E-08	6.38E-09	7.66E-06	2.42E-09	7.03E-10	7.08E-05	2.23E-08	6.50E-09	8.81E-06	2.78E-09	8.09E-10	6.77E-05	2.14E-08	6.22E-09	4.18E-06	1.32E-09	3.84E-10
3217 494863.09, 3846877.25	7.24E-05	2.29E-08	6.65E-09	8.00E-06	2.53E-09	7.35E-10	7.37E-05	2.33E-08	6.77E-09	9.20E-06	2.90E-09	8.45E-10	7.06E-05	2.23E-08	6.48E-09	4.36E-06	1.38E-09	4.01E-10
3218 495363.09, 3846877.25	7.56E-05	2.39E-08	6.94E-09	8.27E-06	2.61E-09	7.59E-10	7.69E-05	2.43E-08	7.06E-09	9.51E-06	3.00E-09	8.73E-10	7.37E-05	2.33E-08	6.77E-09	4.51E-06	1.42E-09	4.14E-10
3219 495863.09, 3846877.25	7.93E-05	2.50E-08	7.28E-09	8.62E-06	2.72E-09	7.91E-10	8.07E-05	2.55E-08	7.41E-09	9.91E-06	3.13E-09	9.10E-10	7.74E-05	2.44E-08	7.11E-09	4.70E-06	1.48E-09	4.31E-10
3220 496363.09, 3846877.25	8.44E-05	2.66E-08	7.75E-09	9.20E-06	2.90E-09	8.44E-10	8.59E-05	2.71E-08	7.89E-09	1.06E-05	3.34E-09	9.71E-10	8.23E-05	2.60E-08	7.56E-09	5.01E-06	1.58E-09	4.60E-10
3221 496863.09, 3846877.25	9.03E-05	2.85E-08	8.29E-09	9.97E-06	3.15E-09	9.15E-10	9.20E-05	2.90E-08	8.44E-09	1.15E-05	3.62E-09	1.05E-09	8.80E-05	2.78E-08	8.08E-09	5.43E-06	1.71E-09	4.98E-10
3222 497363.09, 3846877.25	9.81E-05	3.10E-08	9.01E-09	1.09E-05	3.45E-09	1.00E-09	9.99E-05	3.15E-08	9.17E-09	1.26E-05	3.97E-09	1.15E-09	9.55E-05	3.01E-08	8.77E-09	5.94E-06	1.88E-09	5.46E-10
3223 497863.09, 3846877.25	1.06E-04	3.35E-08	9.74E-09	1.19E-05	3.76E-09	1.09E-09	1.08E-04	3.41E-08	9.92E-09	1.37E-05	4.33E-09	1.26E-09	1.03E-04	3.26E-08	9.47E-09	6.48E-06	2.05E-09	5.95E-10
3224 498363.09, 3846877.25	1.11E-04	3.51E-08	1.02E-08	1.25E-05	3.95E-09	1.15E-09	1.13E-04	3.57E-08	1.04E-08	1.44E-05	4.54E-09	1.32E-09	1.08E-04	3.41E-08	9.92E-09	6.80E-06	2.15E-09	6.24E-10
3225 471363.09, 3847377.25	1.59E-04	5.00E-08	1.46E-08	2.23E-05	7.04E-09	2.05E-09	1.62E-04	5.12E-08	1.49E-08	2.58E-05	8.14E-09	2.37E-09	1.53E-04	4.83E-08	1.40E-08	1.17E-05	3.70E-09	1.08E-09
3226 471863.09, 3847377.25	1.60E-04	5.04E-08	1.47E-08	2.28E-05	7.20E-09	2.09E-09	1.64E-04	5.17E-08	1.50E-08	2.64E-05	8.32E-09	2.42E-09	1.54E-04	4.86E-08	1.41E-08	1.20E-05	3.79E-09	1.10E-09
3227 472363.09, 3847377.25	1.57E-04	4.95E-08	1.44E-08	2.28E-05	7.19E-09	2.09E-09	1.61E-04	5.07E-08	1.48E-08	2.63E-05	8.31E-09	2.42E-09	1.51E-04	4.76E-08	1.38E-08	1.20E-05	3.78E-09	1.10E-09
3228 472863.09, 3847377.25	1.45E-04	4.56E-08	1.33E-08	2.19E-05	6.91E-09	2.01E-09	1.48E-04	4.68E-08	1.36E-08	2.53E-05	7.99E-09	2.32E-09	1.38E-04	4.37E-08	1.27E-08	1.15E-05	3.64E-09	1.06E-09
3229 473363.09, 3847377.25	1.16E-04	3.67E-08	1.07E-08	1.91E-05	6.01E-09	1.75E-09	1.20E-04	3.77E-08	1.10E-08	2.20E-05	6.95E-09	2.02E-09	1.10E-04	3.49E-08	1.01E-08	1.00E-05	3.17E-09	9.22E-10
3230 473863.09, 3847377.25	1.17E-04	3.69E-08	1.07E-08	1.88E-05	5.95E-09	1.73E-09	1.20E-04	3.79E-08	1.10E-08	2.18E-05	6.87E-09	2.00E-09	1.11E-04	3.51E-08	1.02E-08	9.93E-06	3.14E-09	9.12E-10

3231 474363.09, 3847377.25	1.30E-04	4.11E-08	1.19E-08	1.94E-05	6.13E-09	1.78E-09	1.33E-04	4.21E-08	1.23E-08	2.25E-05	7.09E-09	2.06E-09	1.25E-04	3.94E-08	1.15E-08	1.02E-05	3.23E-09	9.40E-10
3232 474863.09, 3847377.25	1.36E-04	4.29E-08	1.25E-08	1.79E-05	5.66E-09	1.65E-09	1.39E-04	4.39E-08	1.28E-08	2.07E-05	6.54E-09	1.90E-09	1.32E-04	4.16E-08	1.21E-08	9.46E-06	2.99E-09	8.68E-10
3233 475363.09, 3847377.25	1.39E-04	4.38E-08	1.27E-08	1.64E-05	5.18E-09	1.51E-09	1.42E-04	4.47E-08	1.30E-08	1.90E-05	5.98E-09	1.74E-09	1.36E-04	4.28E-08	1.25E-08	8.68E-06	2.74E-09	7.96E-10
3234 475863.09, 3847377.25	1.58E-04	4.98E-08	1.45E-08	1.91E-05	6.02E-09	1.75E-09	1.61E-04	5.08E-08	1.48E-08	2.20E-05	6.95E-09	2.02E-09	1.54E-04	4.86E-08	1.41E-08	1.01E-05	3.17E-09	9.23E-10
3235 476363.09, 3847377.25	1.75E-04	5.52E-08	1.60E-08	2.42E-05	7.65E-09	2.22E-09	1.79E-04	5.65E-08	1.64E-08	2.80E-05	8.84E-09	2.57E-09	1.69E-04	5.33E-08	1.55E-08	1.27E-05	4.02E-09	1.17E-09
3236 476863.09, 3847377.25	1.68E-04	5.31E-08	1.55E-08	3.11E-05	9.80E-09	2.85E-09	1.74E-04	5.48E-08	1.59E-08	3.59E-05	1.13E-08	3.30E-09	1.58E-04	4.98E-08	1.45E-08	1.63E-05	5.14E-09	1.50E-09
3237 477363.09, 3847377.25	1.60E-04	5.06E-08	1.47E-08	3.21E-05	1.01E-08	2.95E-09	1.66E-04	5.23E-08	1.52E-08	3.72E-05	1.17E-08	3.41E-09	1.49E-04	4.69E-08	1.37E-08	1.69E-05	5.32E-09	1.55E-09
3238 477863.09, 3847377.25	1.43E-04	4.51E-08	1.31E-08	3.00E-05	9.47E-09	2.75E-09	1.48E-04	4.67E-08	1.36E-08	3.47E-05	1.10E-08	3.19E-09	1.32E-04	4.16E-08	1.21E-08	1.57E-05	4.97E-09	1.45E-09
3239 478363.09, 3847377.25	1.37E-04	4.33E-08	1.26E-08	2.57E-05	8.12E-09	2.36E-09	1.41E-04	4.46E-08	1.30E-08	2.98E-05	9.39E-09	2.73E-09	1.28E-04	4.04E-08	1.18E-08	1.35E-05	4.28E-09	1.24E-09
3240 478863.09, 3847377.25	1.35E-04	4.26E-08	1.24E-08	2.02E-05	6.37E-09	1.85E-09	1.38E-04	4.37E-08	1.27E-08	2.33E-05	7.36E-09	2.14E-09	1.29E-04	4.07E-08	1.18E-08	1.07E-05	3.38E-09	9.82E-10
3241 479363.09, 3847377.25	1.13E-04	3.57E-08	1.04E-08	1.84E-05	5.81E-09	1.69E-09	1.16E-04	3.66E-08	1.07E-08	2.13E-05	6.71E-09	1.95E-09	1.07E-04	3.37E-08	9.82E-09	9.77E-06	3.08E-09	8.97E-10
3242 479863.09, 3847377.25	8.98E-05	2.84E-08	8.25E-09	1.32E-05	4.17E-09	1.21E-09	9.21E-05	2.91E-08	8.45E-09	1.53E-05	4.82E-09	1.40E-09	8.59E-05	2.71E-08	7.88E-09	7.04E-06	2.22E-09	6.47E-10
3243 480363.09, 3847377.25	7.53E-05	2.38E-08	6.91E-09	9.02E-06	2.85E-09	8.28E-10	7.68E-05	2.42E-08	7.05E-09	1.04E-05	3.28E-09	9.55E-10	7.31E-05	2.31E-08	6.71E-09	4.86E-06	1.53E-09	4.46E-10
3244 480863.09, 3847377.25	7.23E-05	2.28E-08	6.64E-09	8.51E-06	2.69E-09	7.81E-10	7.37E-05	2.33E-08	6.77E-09	9.80E-06	3.09E-09	9.00E-10	7.03E-05	2.22E-08	6.45E-09	4.59E-06	1.45E-09	4.21E-10
3245 481363.09, 3847377.25	7.50E-05	2.37E-08	6.89E-09	9.26E-06	2.92E-09	8.50E-10	7.66E-05	2.42E-08	7.03E-09	1.07E-05	3.37E-09	9.79E-10	7.27E-05	2.29E-08	6.67E-09	4.98E-06	1.57E-09	4.57E-10
3246 481863.09, 3847377.25	8.32E-05	2.63E-08	7.64E-09	1.07E-05	3.38E-09	9.83E-10	8.50E-05	2.68E-08	7.80E-09	1.23E-05	3.90E-09	1.13E-09	8.04E-05	2.54E-08	7.38E-09	5.74E-06	1.81E-09	5.27E-10
3247 482363.09, 3847377.25	8.12E-05	2.56E-08	7.45E-09	9.94E-06	3.14E-09	9.13E-10	8.28E-05	2.61E-08	7.60E-09	1.15E-05	3.62E-09	1.05E-09	7.87E-05	2.48E-08	7.22E-09	5.35E-06	1.69E-09	4.91E-10
3248 482863.09, 3847377.25	7.89E-05	2.49E-08	7.24E-09	9.51E-06	3.00E-09	8.73E-10	8.05E-05	2.54E-08	7.39E-09	1.10E-05	3.46E-09	1.01E-09	7.65E-05	2.41E-08	7.02E-09	5.13E-06	1.62E-09	4.71E-10
3249 483363.09, 3847377.25	7.71E-05	2.43E-08	7.07E-09	9.05E-06	2.85E-09	8.30E-10	7.85E-05	2.48E-08	7.21E-09	1.04E-05	3.29E-09	9.56E-10	7.48E-05	2.36E-08	6.87E-09	4.89E-06	1.54E-09	4.49E-10
3250 483863.09, 3847377.25	7.79E-05	2.46E-08	7.15E-09	9.07E-06	2.86E-09	8.33E-10	7.94E-05	2.51E-08	7.29E-09	1.04E-05	3.29E-09	9.58E-10	7.56E-05	2.39E-08	6.94E-09	4.92E-06	1.55E-09	4.52E-10
3251 484363.09, 3847377.25	8.04E-05	2.54E-08	7.38E-09	8.92E-06	2.82E-09	8.19E-10	8.19E-05	2.58E-08	7.52E-09	1.03E-05	3.24E-09	9.42E-10	7.82E-05	2.47E-08	7.18E-09	4.86E-06	1.53E-09	4.46E-10
3252 484863.09, 3847377.25	7.98E-05	2.52E-08	7.32E-09	8.57E-06	2.70E-09	7.87E-10	8.12E-05	2.56E-08	7.45E-09	9.85E-06	3.11E-09	9.04E-10	7.77E-05	2.45E-08	7.13E-09	4.68E-06	1.48E-09	4.30E-10
3253 485363.09, 3847377.25	7.77E-05	2.45E-08	7.13E-09	8.30E-06	2.62E-09	7.62E-10	7.91E-05	2.50E-08	7.26E-09	9.54E-06	3.01E-09	8.76E-10	7.57E-05	2.39E-08	6.95E-09	4.54E-06	1.43E-09	4.17E-10
3254 485863.09, 3847377.25	7.40E-05	2.34E-08	6.79E-09	7.79E-06	2.46E-09	7.15E-10	7.53E-05	2.38E-08	6.91E-09	8.95E-06	2.83E-09	8.22E-10	7.22E-05	2.28E-08	6.63E-09	4.26E-06	1.34E-09	3.91E-10
3255 486363.09, 3847377.25	7.16E-05	2.26E-08	6.57E-09	7.46E-06	2.35E-09	6.85E-10	7.28E-05	2.30E-08	6.69E-09	8.58E-06	2.71E-09	7.87E-10	7.00E-05	2.21E-08	6.43E-09	4.07E-06	1.28E-09	3.73E-10
3256 486863.09, 3847377.25	6.74E-05	2.13E-08	6.18E-09	6.85E-06	2.16E-09	6.29E-10	6.85E-05	2.16E-08	6.29E-09	7.87E-06	2.49E-09	7.23E-10	6.60E-05	2.08E-08	6.06E-09	3.74E-06	1.18E-09	3.43E-10
3257 487363.09, 3847377.25	6.56E-05	2.07E-08	6.02E-09	6.84E-06	2.16E-09	6.28E-10	6.67E-05	2.10E-08	6.12E-09	7.86E-06	2.48E-09	7.22E-10	6.42E-05	2.02E-08	5.89E-09	3.73E-06	1.18E-09	3.42E-10
3258 487863.09, 3847377.25	6.27E-05	1.98E-08	5.76E-09	6.43E-06	2.03E-09	5.91E-10	6.38E-05	2.01E-08	5.86E-09	7.39E-06	2.33E-09	6.79E-10	6.14E-05	1.94E-08	5.64E-09	3.52E-06	1.11E-09	3.23E-10
3259 488363.09, 3847377.25	6.34E-05	2.00E-08	5.82E-09	6.23E-06	1.97E-09	5.72E-10	6.44E-05	2.03E-08	5.91E-09	7.16E-06	2.26E-09	6.57E-10	6.21E-05	1.96E-08	5.70E-09	3.42E-06	1.08E-09	3.14E-10
3260 488863.09, 3847377.25	6.53E-05	2.06E-08	5.99E-09	6.22E-06	1.96E-09	5.71E-10	6.63E-05	2.09E-08	6.08E-09	7.14E-06	2.25E-09	6.56E-10	6.40E-05	2.02E-08	5.88E-09	3.43E-06	1.08E-09	3.15E-10
3261 489363.09, 3847377.25	6.68E-05	2.11E-08	6.13E-09	6.32E-06	1.99E-09	5.80E-10	6.78E-05	2.14E-08	6.23E-09	7.25E-06	2.29E-09	6.66E-10	6.56E-05	2.07E-08	6.02E-09	3.49E-06	1.10E-09	3.21E-10
3262 489863.09, 3847377.25	6.60E-05	2.08E-08	6.06E-09	6.02E-06	1.90E-09	5.52E-10	6.69E-05	2.11E-08	6.15E-09	6.90E-06	2.18E-09	6.34E-10	6.49E-05	2.05E-08	5.96E-09	3.33E-06	1.05E-09	3.06E-10
3263 490363.09, 3847377.25	6.33E-05	2.00E-08	5.81E-09	5.74E-06	1.81E-09	5.27E-10	6.43E-05	2.03E-08	5.90E-09	6.59E-06	2.08E-09	6.05E-10	6.23E-05	1.97E-08	5.72E-09	3.18E-06	1.00E-09	2.92E-10
3264 490863.09, 3847377.25	6.40E-05	2.02E-08	5.88E-09	5.96E-06	1.88E-09	5.47E-10	6.50E-05	2.05E-08	5.97E-09	6.84E-06	2.16E-09	6.28E-10	6.30E-05	1.99E-08	5.78E-09	3.30E-06	1.04E-09	3.03E-10
3265 491363.09, 3847377.25	6.50E-05	2.05E-08	5.97E-09	6.22E-06	1.96E-09	5.71E-10	6.60E-05	2.08E-08	6.06E-09	7.14E-06	2.25E-09	6.56E-10	6.38E-05	2.01E-08	5.86E-09	3.43E-06	1.08E-09	3.15E-10
3266 491863.09, 3847377.25	6.87E-05	2.17E-08	6.31E-09	6.76E-06	2.13E-09	6.20E-10	6.98E-05	2.20E-08	6.41E-09	7.76E-06	2.45E-09	7.12E-10	6.74E-05	2.13E-08	6.19E-09	3.72E-06	1.17E-09	3.42E-10
3267 492363.09, 3847377.25	6.94E-05	2.19E-08	6.37E-09	6.91E-06	2.18E-09	6.34E-10	7.06E-05	2.23E-08	6.48E-09	7.93E-06	2.50E-09	7.28E-10	6.80E-05	2.15E-08	6.25E-09	3.80E-06	1.20E-09	3.49E-10
3268 492863.09, 3847377.25	7.14E-05	2.25E-08	6.55E-09	7.39E-06	2.33E-09	6.78E-10	7.26E-05	2.29E-08	6.66E-09	8.49E-06	2.68E-09	7.79E-10	6.98E-05	2.20E-08	6.40E-09	4.05E-06	1.28E-09	3.72E-10
3269 493363.09, 3847377.25	7.22E-05	2.28E-08	6.63E-09	7.79E-06	2.46E-09	7.15E-10	7.35E-05	2.32E-08	6.75E-09	8.96E-06	2.83E-09	8.22E-10	7.04E-05	2.22E-08	6.47E-09	4.26E-06	1.34E-09	3.91E-10
3270 493863.09, 3847377.25	7.30E-05	2.30E-08	6.70E-09	8.05E-06	2.54E-09	7.39E-10	7.43E-05	2.34E-08	6.82E-09	9.25E-06	2.92E-09	8.50E-10	7.11E-05	2.24E-08	6.53E-09	4.39E-06	1.39E-09	4.03E-10
3271 494363.09, 3847377.25	7.50E-05	2.37E-08	6.88E-09	8.28E-06	2.61E-09	7.60E-10	7.63E-05	2.41E-08	7.01E-09	9.52E-06	3.00E-09	8.74E-10	7.31E-05	2.31E-08	6.71E-09	4.51E-06	1.42E-09	4.14E-10
3272 494863.09, 3847377.25	7.78E-05	2.46E-08	7.14E-09	8.51E-06	2.68E-09	7.81E-10	7.92E-05	2.50E-08	7.27E-09	9.78E-06	3.09E-09	8.98E-10	7.59E-05	2.39E-08	6.97E-09	4.64E-06	1.46E-09	4.26E-10
3273 495363.09, 3847377.25	8.14E-05	2.57E-08	7.47E-09	8.85E-06	2.79E-09	8.13E-10	8.28E-05	2.61E-08	7.61E-09	1.02E-05	3.21E-09	9.35E-10	7.94E-05	2.51E-08	7.29E-09	4.83E-06	1.52E-09	4.43E-10
3274 495863.09, 3847377.25	8.64E-05	2.73E-08	7.94E-09	9.43E-06	2.98E-09	8.66E-10	8.80E-05	2.78E-08	8.08E-09	1.08E-05	3.42E-09	9.96E-10	8.43E-05	2.66E-08	7.74E-09	5.14E-06	1.62E-09	4.72E-10
3275 496363.09, 3847377.25	9.19E-05	2.90E-08	8.44E-09	1.01E-05	3.18E-09	9.26E-10	9.35E-05	2.95E-08	8.59E-09	1.16E-05	3.66E-09	1.07E-09	8.96E-05	2.83E-08	8.22E-09	5.50E-06	1.73E-09	5.05E-10
3276 496863.09, 3847377.25	9.87E-05	3.12E-08	9.06E-09	1.11E-05	3.50E-09	1.02E-09	1.01E-04	3.17E-08	9.23E-09	1.27E-05	4.02E-09	1.17E-09	9.61E-05	3.03E-08	8.82E-09	6.03E-06	1.90E-09	5.53E-10
3277 497363.09, 3847377.25	1.08E-04	3.42E-08	9.94E-09	1.23E-05	3.89E-09	1.13E-09	1.10E-04	3.48E-08	1.01E-08	1.42E-05	4.48E-09	1.30E-09	1.05E-04	3.32E-08	9.66E-09	6.70E-06	2.12E-09	6.15E-10
3278 497863.09, 3847377.25	1.20E-04	3.78E-08	1.10E-08	1.40E-05	4.41E-09	1.28E-09	1.22E-04	3.85E-08	1.12E-08	1.61E-05	5.07E-09	1.48E-09	1.16E-04	3.67E-08	1.07E-08	7.57E-06	2.39E-09	6.95E-10
3279 498363.09, 3847377.25	1.26E-04	3.98E-08	1.16E-08	1.50E-05	4.73E-09	1.38E-09	1.29E-04	4.06E-08	1.18E-08	1.73E-05	5.45E-09	1.58E-09	1.22E-04	3.86E-08	1.12E-08	8.12E-06	2.56E-09	7.45E-10
3280 471363.09, 3847877.25	1.70E-04	5.36E-08	1.56E-08	2.47E-05	7.78E-09	2.26E-09	1.74E-04	5.49E-08	1.60E-08	2.85E-05	9.00E-09	2.62E-09	1.63E-04	5.16E-08	1.50E-08	1.30E-05	4.09E-09	1.19E-09
3281 471863.09, 3847877.25	1.73E-04	5.45E-08	1.59E-08	2.46E-05	7.75E-09	2.25E-09	1.77E-04	5.58E-08	1.62E-08	2.84E-05	8.96E-09	2.61E-09	1.67E-04	5.26E-08	1.53E-08	1.29E-05	4.07E-09	1.19E-09
3282 472363.09, 3847877.25	1.74E-04	5.50E-08	1.60E-08	2.48E-05	7.84E-09	2.28E-09	1.78E-04	5.63E-08	1.64E-08	2.87E-05	9.07E-09	2.64E-09	1.68E-04	5.30E-08	1.54E-08	1.31E-05	4.12E-09	1.20E-09
3283 472863.09, 3847877.25	1.71E-04	5.41E-08	1.57E-08	2.51E-05	7.92E-09	2.30E-09	1.76E-04	5.54E-08	1.61E-08	2.90E-05	9.16E-09	2.66E-09	1.65E-04	5.20E-08	1.51E-08	1.32E-05	4.16E-09	1.21E-09
3284 473363.09, 3847877.25	1.67E-04	5.27E-08	1.53E-08	2.49E-05	7.86E-09	2.29E-09	1.71E-04	5.40E-08	1.57E-08	2.88E-05	9.09E-09	2.65E-09	1.60E-04	5.05E-08	1.47E-08	1.31E-05	4.13E-09	1.20E-09
3285 473863.09, 3847877.25	1.53E-04	4.84E-08	1.41E-08	2.41E-05	7.60E-09	2.21E-09	1.57E-04	4.97E-08	1.45E-08	2.78E-05	8.79E-09	2.56E-09	1.46E-04	4.62E-08	1.34E-08	1.27E-05	4.00E-09	1.16E-09
3286 474363.09, 3847877.25	1.32E-04	4.15E-08	1.21E-08	2.17E-05	6.84E-09	1.99E-09	1.35E-04	4.27E-08	1.24E-08	2.51E-05	7.91E-09	2.30E-09	1.25E-04	3.94E-08	1.15E-08	1.14E-05	3.60E-09	1.05E-09
3287 474863.09, 3847877.25	1.46E-04	4.62E-08	1.34E-08	2.21E-05	6.98E-09	2.03E-09	1.50E-04	4.74E-08	1.38E-08	2.56E-05	8.07E-09	2.35E-09	1.40E-04	4.42E-08	1.29E-08	1.17E-05	3.68E-09	1.07E-09
3288 475363.09, 3847877.25	1.50E-04	4.74E-08	1.38E-08	2.05E-05	6.46E-09	1.88E-09	1.54E-04	4.85E-08	1.41E-08	2.37E-05	7.47E-09	2.17E-09	1.45E-04	4.58E-08	1.33E-08	1.08E-05	3.41E-09	9.91E-10
3289 475863.09, 3847877.25	1.51E-04	4.78E-08	1.39E-08	1.82E-05	5.75E-09	1.67E-09	1.55E-04	4.88E-08	1.42E-08	2.11E-05	6.65E-09	1.93E-09	1.48E-04	4.67E-08	1.36E-08	9.63E-06	3.04E-09	8.84E-10
3290 476363.09, 3847877.25	1.89E-04	5.95E-08	1.73E-08	2.20E-05	6.94E-09	2.02E-09	1.92E-04	6.07E-08	1.76E-08	2.54E-05	8.02E-09	2.33E-09	1.85E-04	5.83E-08	1.70E-08	1.16E-05	3.66E-09	1.06E-09
3291 476863.09, 3847877.25	1.91E-04	6.02E-08	1.75E-08	2.67E-05	8.44E-09	2.46E-09	1.95E-04	6.16E-08	1.79E-08	3.09E-05	9.76E-09	2.84E-09	1.84E-04	5.81E-08	1.69E-08	1.41E-05	4.44E-09	1.29E-09
3292 477363.09, 3847877.25	1.91E-04	6.02E-08	1.75E-08	3.53E-05	1.12E-08	3.25E-09	1.97E-04	6.21E-08	1.81E-08	4.09E-05	1.29E-08	3.75E-09	1.79E-04	5.64E-08	1.64E-08	1.85E-05	5.85E-09	1.70E-09
3293 477863.09, 3847877.25	1.75E-04	5.54E-08	1.61E-08	3.63E-05	1.15E-08	3.34E-09	1.82E-04	5.73E-08	1.67E-08	4.20E-05	1.33E-08	3.86E-09	1.62E-04	5.11E-08	1.49E-08	1.90E-05	6.01E-09	1.75E-09
3294 478363.09, 3847877.25	1.59E-04	5.02E-08	1.46E-08	3.41E-05	1.08E-08	3.13E-09	1.65E-04	5.20E-08	1.51E-08	3.94E-05	1.24E-08	3.62E-09	1.46E-04	4.61E-08	1.34E-08	1.79E-05	5.64E-09	1.64E-09
3295 478863.09, 3847877.25	1.52E-04	4.78E-08	1.39E-08	2.77E-05	8.74E-09	2.54E-09	1.56E-04	4.93E-08	1.43E-08	3.20E-05	1.01E-08	2.94E-09	1.42E-04	4.48E-08	1.30E-08	1.46E-05	4.61E-09	1.34E-09
3296 479363.09, 3847877.25	1.15E-04	3.63E-08	1.05E-08	1.76E-05	5.56E-09	1.62E-09	1.18E-04	3.72E-08	1.08E-08	2.03E-05	6.42E-09	1.87E-09	1.09E-04	3.45E-08	1.00E-08	9.35E-06	2.95E-09	8.58E-10

3297 479863.09, 3847877.25	8.29E-05	2.62E-08	7.61E-09	1.13E-05	3.57E-09	1.04E-09	8.47E-05	2.67E-08	7.78E-09	1.30E-05	4.12E-09	1.20E-09	7.97E-05	2.52E-08	7.32E-09	6.04E-06	1.91E-09	5.55E-10
3298 480363.09, 3847877.25	8.40E-05	2.65E-08	7.71E-09	1.10E-05	3.48E-09	1.01E-09	8.59E-05	2.71E-08	7.88E-09	1.27E-05	4.01E-09	1.17E-09	8.11E-05	2.56E-08	7.44E-09	5.90E-06	1.86E-09	5.42E-10
3299 480863.09, 3847877.25	8.02E-05	2.53E-08	7.36E-09	9.85E-06	3.11E-09	9.05E-10	8.18E-05	2.58E-08	7.51E-09	1.14E-05	3.58E-09	1.04E-09	7.77E-05	2.45E-08	7.14E-09	5.30E-06	1.67E-09	4.86E-10
3300 481363.09, 3847877.25	8.07E-05	2.55E-08	7.41E-09	1.02E-05	3.22E-09	9.36E-10	8.24E-05	2.60E-08	7.57E-09	1.17E-05	3.71E-09	1.08E-09	7.81E-05	2.47E-08	7.17E-09	5.47E-06	1.73E-09	5.03E-10
3301 481863.09, 3847877.25	9.39E-05	2.96E-08	8.62E-09	1.31E-05	4.14E-09	1.20E-09	9.61E-05	3.03E-08	8.82E-09	1.51E-05	4.78E-09	1.39E-09	9.01E-05	2.84E-08	8.27E-09	7.01E-06	2.21E-09	6.43E-10
3302 482363.09, 3847877.25	9.02E-05	2.85E-08	8.28E-09	1.18E-05	3.71E-09	1.08E-09	9.22E-05	2.91E-08	8.46E-09	1.36E-05	4.28E-09	1.24E-09	8.71E-05	2.75E-08	7.99E-09	6.30E-06	1.99E-09	5.78E-10
3303 482863.09, 3847877.25	8.52E-05	2.69E-08	7.82E-09	1.07E-05	3.37E-09	9.79E-10	8.69E-05	2.74E-08	7.98E-09	1.23E-05	3.88E-09	1.13E-09	8.24E-05	2.60E-08	7.56E-09	5.73E-06	1.81E-09	5.26E-10
3304 483363.09, 3847877.25	8.40E-05	2.65E-08	7.72E-09	1.02E-05	3.23E-09	9.40E-10	8.57E-05	2.71E-08	7.87E-09	1.18E-05	3.72E-09	1.08E-09	8.14E-05	2.57E-08	7.47E-09	5.52E-06	1.74E-09	5.07E-10
3305 483863.09, 3847877.25	8.49E-05	2.68E-08	7.79E-09	1.06E-05	3.33E-09	9.69E-10	8.66E-05	2.73E-08	7.95E-09	1.22E-05	3.84E-09	1.12E-09	8.20E-05	2.59E-08	7.53E-09	5.70E-06	1.80E-09	5.23E-10
3306 484363.09, 3847877.25	8.71E-05	2.75E-08	7.99E-09	1.03E-05	3.24E-09	9.42E-10	8.87E-05	2.80E-08	8.15E-09	1.18E-05	3.73E-09	1.08E-09	8.44E-05	2.66E-08	7.75E-09	5.56E-06	1.76E-09	5.11E-10
3307 484863.09, 3847877.25	8.85E-05	2.79E-08	8.12E-09	9.96E-06	3.14E-09	9.15E-10	9.01E-05	2.84E-08	8.27E-09	1.15E-05	3.62E-09	1.05E-09	8.59E-05	2.71E-08	7.89E-09	5.42E-06	1.71E-09	4.98E-10
3308 485363.09, 3847877.25	8.83E-05	2.79E-08	8.10E-09	9.96E-06	3.14E-09	9.15E-10	8.99E-05	2.84E-08	8.25E-09	1.15E-05	3.62E-09	1.05E-09	8.57E-05	2.71E-08	7.87E-09	5.42E-06	1.71E-09	4.98E-10
3309 485863.09, 3847877.25	8.43E-05	2.66E-08	7.74E-09	9.27E-06	2.93E-09	8.51E-10	8.58E-05	2.71E-08	7.88E-09	1.07E-05	3.37E-09	9.79E-10	8.20E-05	2.59E-08	7.53E-09	5.05E-06	1.59E-09	4.64E-10
3310 486363.09, 3847877.25	7.79E-05	2.46E-08	7.15E-09	8.30E-06	2.62E-09	7.62E-10	7.92E-05	2.50E-08	7.27E-09	9.54E-06	3.01E-09	8.76E-10	7.60E-05	2.40E-08	6.98E-09	4.52E-06	1.43E-09	4.15E-10
3311 486863.09, 3847877.25	7.49E-05	2.36E-08	6.87E-09	7.98E-06	2.52E-09	7.33E-10	7.62E-05	2.40E-08	6.99E-09	9.18E-06	2.90E-09	8.43E-10	7.32E-05	2.31E-08	6.72E-09	4.34E-06	1.37E-09	3.98E-10
3312 487363.09, 3847877.25	7.10E-05	2.24E-08	6.52E-09	7.67E-06	2.42E-09	7.04E-10	7.23E-05	2.28E-08	6.63E-09	8.82E-06	2.78E-09	8.10E-10	6.93E-05	2.19E-08	6.36E-09	4.17E-06	1.32E-09	3.83E-10
3313 487863.09, 3847877.25	6.84E-05	2.16E-08	6.28E-09	7.27E-06	2.29E-09	6.67E-10	6.96E-05	2.20E-08	6.39E-09	8.35E-06	2.64E-09	7.67E-10	6.68E-05	2.11E-08	6.14E-09	3.96E-06	1.25E-09	3.64E-10
3314 488363.09, 3847877.25	6.94E-05	2.19E-08	6.37E-09	7.03E-06	2.22E-09	6.45E-10	7.05E-05	2.23E-08	6.47E-09	8.08E-06	2.55E-09	7.42E-10	6.79E-05	2.14E-08	6.23E-09	3.85E-06	1.22E-09	3.53E-10
3315 488863.09, 3847877.25	7.21E-05	2.28E-08	6.62E-09	7.10E-06	2.24E-09	6.51E-10	7.32E-05	2.31E-08	6.72E-09	8.15E-06	2.57E-09	7.48E-10	7.07E-05	2.23E-08	6.49E-09	3.90E-06	1.23E-09	3.58E-10
3316 489363.09, 3847877.25	7.36E-05	2.32E-08	6.76E-09	7.12E-06	2.25E-09	6.53E-10	7.48E-05	2.36E-08	6.86E-09	8.17E-06	2.58E-09	7.50E-10	7.22E-05	2.28E-08	6.63E-09	3.92E-06	1.24E-09	3.60E-10
3317 489863.09, 3847877.25	7.57E-05	2.39E-08	6.95E-09	7.27E-06	2.29E-09	6.67E-10	7.69E-05	2.43E-08	7.06E-09	8.35E-06	2.63E-09	7.66E-10	7.43E-05	2.34E-08	6.82E-09	4.00E-06	1.26E-09	3.67E-10
3318 490363.09, 3847877.25	7.50E-05	2.37E-08	6.88E-09	7.30E-06	2.30E-09	6.70E-10	7.62E-05	2.40E-08	6.99E-09	8.38E-06	2.64E-09	7.69E-10	7.36E-05	2.32E-08	6.75E-09	4.01E-06	1.27E-09	3.68E-10
3319 490863.09, 3847877.25	7.46E-05	2.35E-08	6.85E-09	7.47E-06	2.36E-09	6.86E-10	7.58E-05	2.39E-08	6.96E-09	8.59E-06	2.71E-09	7.88E-10	7.31E-05	2.31E-08	6.71E-09	4.10E-06	1.29E-09	3.76E-10
3320 491363.09, 3847877.25	7.47E-05	2.36E-08	6.86E-09	7.52E-06	2.37E-09	6.90E-10	7.59E-05	2.40E-08	6.97E-09	8.64E-06	2.73E-09	7.93E-10	7.31E-05	2.31E-08	6.71E-09	4.13E-06	1.30E-09	3.79E-10
3321 491863.09, 3847877.25	7.63E-05	2.41E-08	7.00E-09	7.82E-06	2.47E-09	7.18E-10	7.76E-05	2.45E-08	7.12E-09	8.99E-06	2.84E-09	8.25E-10	7.46E-05	2.36E-08	6.85E-09	4.29E-06	1.35E-09	3.94E-10
3322 492363.09, 3847877.25	7.80E-05	2.46E-08	7.16E-09	8.20E-06	2.59E-09	7.53E-10	7.93E-05	2.50E-08	7.28E-09	9.42E-06	2.97E-09	8.65E-10	7.62E-05	2.40E-08	6.99E-09	4.49E-06	1.42E-09	4.12E-10
3323 492863.09, 3847877.25	7.84E-05	2.47E-08	7.20E-09	8.56E-06	2.70E-09	7.86E-10	7.98E-05	2.52E-08	7.33E-09	9.84E-06	3.11E-09	9.03E-10	7.64E-05	2.41E-08	7.02E-09	4.67E-06	1.48E-09	4.29E-10
3324 493363.09, 3847877.25	7.74E-05	2.44E-08	7.11E-09	8.55E-06	2.70E-09	7.85E-10	7.88E-05	2.49E-08	7.24E-09	9.83E-06	3.10E-09	9.03E-10	7.54E-05	2.38E-08	6.92E-09	4.67E-06	1.47E-09	4.28E-10
3325 493863.09, 3847877.25	7.80E-05	2.46E-08	7.16E-09	8.63E-06	2.72E-09	7.92E-10	7.94E-05	2.51E-08	7.29E-09	9.92E-06	3.13E-09	9.11E-10	7.60E-05	2.40E-08	6.97E-09	4.70E-06	1.48E-09	4.32E-10
3326 494363.09, 3847877.25	8.03E-05	2.54E-08	7.37E-09	8.78E-06	2.77E-09	8.06E-10	8.18E-05	2.58E-08	7.51E-09	1.01E-05	3.19E-09	9.27E-10	7.83E-05	2.47E-08	7.19E-09	4.79E-06	1.51E-09	4.40E-10
3327 494863.09, 3847877.25	8.41E-05	2.66E-08	7.73E-09	9.16E-06	2.89E-09	8.41E-10	8.56E-05	2.70E-08	7.86E-09	1.05E-05	3.33E-09	9.67E-10	8.21E-05	2.59E-08	7.54E-09	4.99E-06	1.58E-09	4.58E-10
3328 495363.09, 3847877.25	8.77E-05	2.77E-08	8.05E-09	9.52E-06	3.00E-09	8.74E-10	8.92E-05	2.82E-08	8.19E-09	1.09E-05	3.45E-09	1.00E-09	8.56E-05	2.70E-08	7.85E-09	5.19E-06	1.64E-09	4.76E-10
3329 495863.09, 3847877.25	8.73E-05	2.75E-08	8.01E-09	9.34E-06	2.95E-09	8.58E-10	8.88E-05	2.80E-08	8.15E-09	1.07E-05	3.39E-09	9.86E-10	8.52E-05	2.69E-08	7.82E-09	5.10E-06	1.61E-09	4.68E-10
3330 496363.09, 3847877.25	9.97E-05	3.15E-08	9.16E-09	1.11E-05	3.49E-09	1.02E-09	1.02E-04	3.21E-08	9.32E-09	1.27E-05	4.01E-09	1.17E-09	9.71E-05	3.07E-08	8.92E-09	6.02E-06	1.90E-09	5.53E-10
3331 496863.09, 3847877.25	1.08E-04	3.41E-08	9.91E-09	1.22E-05	3.86E-09	1.12E-09	1.10E-04	3.47E-08	1.01E-08	1.41E-05	4.44E-09	1.29E-09	1.05E-04	3.31E-08	9.63E-09	6.65E-06	2.10E-09	6.11E-10
3332 497363.09, 3847877.25	1.18E-04	3.73E-08	1.08E-08	1.37E-05	4.33E-09	1.26E-09	1.20E-04	3.80E-08	1.10E-08	1.58E-05	4.98E-09	1.45E-09	1.15E-04	3.62E-08	1.05E-08	7.44E-06	2.35E-09	6.83E-10
3333 497863.09, 3847877.25	1.35E-04	4.26E-08	1.24E-08	1.64E-05	5.17E-09	1.50E-09	1.38E-04	4.35E-08	1.27E-08	1.89E-05	5.95E-09	1.73E-09	1.31E-04	4.13E-08	1.20E-08	8.86E-06	2.80E-09	8.13E-10
3334 498363.09, 3847877.25	1.44E-04	4.56E-08	1.33E-08	1.79E-05	5.66E-09	1.65E-09	1.47E-04	4.65E-08	1.35E-08	2.06E-05	6.52E-09	1.90E-09	1.40E-04	4.40E-08	1.28E-08	9.68E-06	3.06E-09	8.89E-10
3335 471363.09, 3848377.25	1.82E-04	5.73E-08	1.67E-08	2.54E-05	8.03E-09	2.34E-09	1.86E-04	5.87E-08	1.71E-08	2.94E-05	9.28E-09	2.70E-09	1.75E-04	5.53E-08	1.61E-08	1.34E-05	4.22E-09	1.23E-09
3336 471863.09, 3848377.25	1.84E-04	5.82E-08	1.69E-08	2.70E-05	8.51E-09	2.47E-09	1.89E-04	5.96E-08	1.73E-08	3.12E-05	9.84E-09	2.86E-09	1.77E-04	5.59E-08	1.63E-08	1.42E-05	4.47E-09	1.30E-09
3337 472363.09, 3848377.25	1.86E-04	5.86E-08	1.70E-08	2.72E-05	8.58E-09	2.50E-09	1.90E-04	6.01E-08	1.75E-08	3.14E-05	9.92E-09	2.89E-09	1.79E-04	5.63E-08	1.64E-08	1.43E-05	4.51E-09	1.31E-09
3338 472863.09, 3848377.25	1.89E-04	5.96E-08	1.73E-08	2.73E-05	8.60E-09	2.50E-09	1.93E-04	6.10E-08	1.78E-08	3.15E-05	9.95E-09	2.89E-09	1.82E-04	5.74E-08	1.67E-08	1.43E-05	4.52E-09	1.31E-09
3339 473363.09, 3848377.25	1.87E-04	5.90E-08	1.71E-08	2.75E-05	8.69E-09	2.53E-09	1.91E-04	6.04E-08	1.76E-08	3.19E-05	1.01E-08	2.92E-09	1.80E-04	5.67E-08	1.65E-08	1.45E-05	4.57E-09	1.33E-09
3340 473863.09, 3848377.25	1.83E-04	5.77E-08	1.68E-08	2.77E-05	8.73E-09	2.54E-09	1.87E-04	5.91E-08	1.72E-08	3.20E-05	1.01E-08	2.94E-09	1.75E-04	5.53E-08	1.61E-08	1.45E-05	4.59E-09	1.33E-09
3341 474363.09, 3848377.25	1.72E-04	5.41E-08	1.57E-08	2.70E-05	8.52E-09	2.48E-09	1.76E-04	5.56E-08	1.62E-08	3.12E-05	9.85E-09	2.87E-09	1.64E-04	5.17E-08	1.50E-08	1.42E-05	4.48E-09	1.30E-09
3342 474863.09, 3848377.25	1.51E-04	4.75E-08	1.38E-08	2.50E-05	7.89E-09	2.30E-09	1.55E-04	4.89E-08	1.42E-08	2.89E-05	9.13E-09	2.65E-09	1.43E-04	4.51E-08	1.31E-08	1.32E-05	4.15E-09	1.21E-09
3343 475363.09, 3848377.25	1.74E-04	5.49E-08	1.60E-08	2.59E-05	8.18E-09	2.38E-09	1.78E-04	5.63E-08	1.64E-08	3.00E-05	9.46E-09	2.75E-09	1.67E-04	5.27E-08	1.53E-08	1.36E-05	4.30E-09	1.25E-09
3344 475863.09, 3848377.25	1.74E-04	5.48E-08	1.59E-08	2.40E-05	7.57E-09	2.20E-09	1.78E-04	5.61E-08	1.63E-08	2.77E-05	8.75E-09	2.55E-09	1.68E-04	5.29E-08	1.54E-08	1.26E-05	3.98E-09	1.16E-09
3345 476363.09, 3848377.25	1.68E-04	5.30E-08	1.54E-08	2.08E-05	6.56E-09	1.91E-09	1.72E-04	5.41E-08	1.57E-08	2.40E-05	7.58E-09	2.21E-09	1.64E-04	5.17E-08	1.50E-08	1.10E-05	3.46E-09	1.01E-09
3346 476863.09, 3848377.25	2.18E-04	6.88E-08	2.00E-08	2.47E-05	7.81E-09	2.27E-09	2.22E-04	7.02E-08	2.04E-08	2.86E-05	9.02E-09	2.62E-09	2.14E-04	6.76E-08	1.97E-08	1.30E-05	4.11E-09	1.20E-09
3347 477363.09, 3848377.25	2.06E-04	6.49E-08	1.89E-08	2.93E-05	9.25E-09	2.69E-09	2.11E-04	6.65E-08	1.93E-08	3.39E-05	1.07E-08	3.11E-09	1.98E-04	6.26E-08	1.82E-08	1.54E-05	4.86E-09	1.41E-09
3348 477863.09, 3848377.25	2.09E-04	6.61E-08	1.92E-08	3.94E-05	1.24E-08	3.61E-09	2.16E-04	6.82E-08	1.98E-08	4.56E-05	1.44E-08	4.18E-09	1.96E-04	6.19E-08	1.80E-08	2.06E-05	6.51E-09	1.89E-09
3349 478363.09, 3848377.25	1.88E-04	5.93E-08	1.73E-08	4.04E-05	1.28E-08	3.71E-09	1.95E-04	6.15E-08	1.79E-08	4.68E-05	1.48E-08	4.30E-09	1.73E-04	5.45E-08	1.59E-08	2.12E-05	6.69E-09	1.94E-09
3350 478863.09, 3848377.25	1.67E-04	5.28E-08	1.54E-08	3.64E-05	1.15E-08	3.34E-09	1.73E-04	5.47E-08	1.59E-08	4.21E-05	1.33E-08	3.86E-09	1.53E-04	4.84E-08	1.41E-08	1.91E-05	6.02E-09	1.75E-09
3351 479363.09, 3848377.25	1.30E-04	4.10E-08	1.19E-08	2.27E-05	7.16E-09	2.08E-09	1.34E-04	4.22E-08	1.23E-08	2.62E-05	8.28E-09	2.41E-09	1.22E-04	3.86E-08	1.12E-08	1.20E-05	3.78E-09	1.10E-09
3352 479863.09, 3848377.25	7.35E-05	2.32E-08	6.74E-09	8.84E-06	2.79E-09	8.12E-10	7.49E-05	2.37E-08	6.88E-09	1.02E-05	3.22E-09	9.35E-10	7.13E-05	2.25E-08	6.55E-09	4.76E-06	1.50E-09	4.37E-10
3353 480363.09, 3848377.25	8.67E-05	2.74E-08	7.96E-09	1.17E-05	3.68E-09	1.07E-09	8.86E-05	2.80E-08	8.14E-09	1.34E-05	4.24E-09	1.23E-09	8.35E-05	2.63E-08	7.66E-09	6.24E-06	1.97E-09	5.73E-10
3354 480863.09, 3848377.25	1.03E-04	3.24E-08	9.44E-09	1.51E-05	4.77E-09	1.39E-09	1.05E-04	3.32E-08	9.67E-09	1.74E-05	5.50E-09	1.60E-09	9.83E-05	3.10E-08	9.03E-09	8.04E-06	2.54E-09	7.38E-10
3355 481363.09, 3848377.25	1.04E-04	3.28E-08	9.53E-09	1.58E-05	5.00E-09	1.45E-09	1.07E-04	3.36E-08	9.78E-09	1.83E-05	5.77E-09	1.68E-09	9.90E-05	3.12E-08	9.08E-09	8.43E-06	2.66E-09	7.74E-10
3356 481863.09, 3848377.25	1.05E-04	3.32E-08	9.67E-09	1.58E-05	5.00E-09	1.45E-09	1.08E-04	3.41E-08	9.91E-09	1.83E-05	5.77E-09	1.68E-09	1.00E-04	3.17E-08	9.22E-09	8.42E-06	2.66E-09	7.73E-10
3357 482363.09, 3848377.25	1.04E-04	3.28E-08	9.54E-09	1.49E-05	4.72E-09	1.37E-09	1.06E-04	3.36E-08	9.77E-09	1.72E-05	5.44E-09	1.58E-09	9.95E-05	3.14E-08	9.13E-09	7.97E-06	2.52E-09	7.32E-10
3358 482863.09, 3848377.25	9.51E-05	3.00E-08	8.73E-09	1.27E-05	4.01E-09	1.17E-09	9.72E-05	3.07E-08	8.93E-09	1.46E-05	4.62E-09	1.34E-09	9.16E-05	2.89E-08	8.41E-09	6.80E-06	2.15E-09	6.24E-10
3359 483363.09, 3848377.25	9.43E-05	2.98E-08	8.66E-09	1.24E-05	3.92E-09	1.14E-09	9.64E-05	3.04E-08	8.85E-09	1.43E-05	4.52E-09	1.31E-09	9.09E-05	2.87E-08	8.34E-09	6.66E-06	2.10E-09	6.12E-10
3360 483863.09, 3848377.25	9.13E-05	2.88E-08	8.38E-09	1.19E-05	3.75E-09	1.09E-09	9.33E-05	2.94E-08	8.56E-09	1.37E-05	4.32E-09	1.26E-09	8.80E-05	2.78E-08	8.08E-09	6.40E-06	2.02E-09	5.87E-10
3361 484363.09, 3848377.25	9.19E-05	2.90E-08	8.44E-09	1.14E-05	3.59E-09	1.04E-09	9.38E-05	2.96E-08	8.61E-09	1.31E-05	4.13E-09	1.20E-09	8.88E-05	2.80E-08	8.15E-09	6.15E-06	1.94E-09	5.64E-10
3362 484863.09, 3848377.25	9.89E-05	3.12E-08	9.08E-09	1.20E-05	3.79E-09	1.10E-09	1.01E-04	3.19E-08	9.26E-09	1.38E-05	4.36E-09	1.27E-09	9.57E-05	3.02E-08	8.78E-09	6.50E-06	2.05E-09	5.97E-10

3363	485363.09, 3848377.25	9.82E-05	3.10E-08	9.01E-09	1.17E-05	3.68E-09	1.07E-09	1.00E-04	3.16E-08	9.19E-09	1.34E-05	4.23E-09	1.23E-09	9.50E-05	3.00E-08	8.72E-09	6.32E-06	2.00E-09	5.80E-10
3364	485863.09, 3848377.25	9.28E-05	2.93E-08	8.52E-09	1.06E-05	3.36E-09	9.77E-10	9.45E-05	2.98E-08	8.68E-09	1.22E-05	3.86E-09	1.12E-09	9.01E-05	2.84E-08	8.27E-09	5.78E-06	1.82E-09	5.31E-10
3365	486363.09, 3848377.25	8.68E-05	2.74E-08	7.97E-09	9.66E-06	3.05E-09	8.87E-10	8.84E-05	2.79E-08	8.11E-09	1.11E-05	3.51E-09	1.02E-09	8.45E-05	2.67E-08	7.76E-09	5.24E-06	1.66E-09	4.81E-10
3366	486863.09, 3848377.25	8.30E-05	2.62E-08	7.62E-09	9.30E-06	2.93E-09	8.53E-10	8.45E-05	2.67E-08	7.76E-09	1.07E-05	3.38E-09	9.82E-10	8.08E-05	2.55E-08	7.42E-09	5.04E-06	1.59E-09	4.62E-10
3367	487363.09, 3848377.25	7.63E-05	2.41E-08	7.01E-09	8.43E-06	2.66E-09	7.74E-10	7.77E-05	2.45E-08	7.13E-09	9.70E-06	3.06E-09	8.90E-10	7.44E-05	2.35E-08	6.83E-09	4.58E-06	1.44E-09	4.20E-10
3368	487863.09, 3848377.25	7.48E-05	2.36E-08	6.86E-09	8.14E-06	2.57E-09	7.47E-10	7.61E-05	2.40E-08	6.98E-09	9.36E-06	2.95E-09	8.59E-10	7.29E-05	2.30E-08	6.70E-09	4.43E-06	1.40E-09	4.06E-10
3369	488363.09, 3848377.25	7.66E-05	2.42E-08	7.03E-09	8.01E-06	2.53E-09	7.36E-10	7.79E-05	2.46E-08	7.15E-09	9.21E-06	2.91E-09	8.46E-10	7.49E-05	2.36E-08	6.87E-09	4.37E-06	1.38E-09	4.01E-10
3370	488863.09, 3848377.25	7.88E-05	2.49E-08	7.24E-09	8.04E-06	2.54E-09	7.38E-10	8.01E-05	2.53E-08	7.36E-09	9.24E-06	2.92E-09	8.49E-10	7.71E-05	2.43E-08	7.08E-09	4.41E-06	1.39E-09	4.04E-10
3371	489363.09, 3848377.25	8.11E-05	2.56E-08	7.44E-09	8.14E-06	2.57E-09	7.47E-10	8.24E-05	2.60E-08	7.56E-09	9.35E-06	2.95E-09	8.59E-10	7.94E-05	2.50E-08	7.29E-09	4.47E-06	1.41E-09	4.10E-10
3372	489863.09, 3848377.25	8.43E-05	2.66E-08	7.74E-09	8.48E-06	2.68E-09	7.78E-10	8.57E-05	2.70E-08	7.87E-09	9.74E-06	3.07E-09	8.94E-10	8.26E-05	2.61E-08	7.58E-09	4.65E-06	1.47E-09	4.26E-10
3373	490363.09, 3848377.25	8.37E-05	2.64E-08	7.69E-09	8.76E-06	2.77E-09	8.05E-10	8.52E-05	2.69E-08	7.82E-09	1.01E-05	3.18E-09	9.25E-10	8.18E-05	2.58E-08	7.51E-09	4.79E-06	1.51E-09	4.40E-10
3374	490863.09, 3848377.25	8.31E-05	2.62E-08	7.63E-09	8.76E-06	2.77E-09	8.05E-10	8.46E-05	2.67E-08	7.76E-09	1.01E-05	3.18E-09	9.25E-10	8.12E-05	2.56E-08	7.45E-09	4.79E-06	1.51E-09	4.40E-10
3375	491363.09, 3848377.25	8.45E-05	2.67E-08	7.76E-09	8.92E-06	2.82E-09	8.19E-10	8.60E-05	2.71E-08	7.89E-09	1.03E-05	3.24E-09	9.42E-10	8.25E-05	2.61E-08	7.58E-09	4.88E-06	1.54E-09	4.48E-10
3376	491863.09, 3848377.25	8.54E-05	2.70E-08	7.84E-09	9.15E-06	2.89E-09	8.40E-10	8.69E-05	2.74E-08	7.98E-09	1.05E-05	3.32E-09	9.66E-10	8.34E-05	2.63E-08	7.65E-09	5.00E-06	1.58E-09	4.59E-10
3377	492363.09, 3848377.25	8.41E-05	2.66E-08	7.73E-09	9.15E-06	2.89E-09	8.40E-10	8.56E-05	2.70E-08	7.86E-09	1.05E-05	3.32E-09	9.65E-10	8.21E-05	2.59E-08	7.53E-09	4.99E-06	1.58E-09	4.58E-10
3378	492863.09, 3848377.25	8.24E-05	2.60E-08	7.57E-09	9.02E-06	2.85E-09	8.28E-10	8.39E-05	2.65E-08	7.70E-09	1.04E-05	3.27E-09	9.52E-10	8.03E-05	2.54E-08	7.38E-09	4.92E-06	1.55E-09	4.52E-10
3379	493363.09, 3848377.25	8.26E-05	2.61E-08	7.58E-09	9.20E-06	2.90E-09	8.45E-10	8.41E-05	2.65E-08	7.72E-09	1.06E-05	3.34E-09	9.71E-10	8.04E-05	2.54E-08	7.38E-09	5.01E-06	1.58E-09	4.60E-10
3380	493863.09, 3848377.25	8.44E-05	2.66E-08	7.74E-09	9.32E-06	2.94E-09	8.56E-10	8.59E-05	2.71E-08	7.88E-09	1.07E-05	3.38E-09	9.84E-10	8.22E-05	2.60E-08	7.55E-09	5.08E-06	1.60E-09	4.66E-10
3381	494363.09, 3848377.25	8.69E-05	2.74E-08	7.98E-09	9.55E-06	3.01E-09	8.76E-10	8.84E-05	2.79E-08	8.12E-09	1.10E-05	3.46E-09	1.01E-09	8.47E-05	2.67E-08	7.78E-09	5.20E-06	1.64E-09	4.77E-10
3382	494863.09, 3848377.25	9.18E-05	2.90E-08	8.42E-09	1.02E-05	3.22E-09	9.36E-10	9.34E-05	2.95E-08	8.58E-09	1.17E-05	3.70E-09	1.08E-09	8.94E-05	2.82E-08	8.21E-09	5.55E-06	1.75E-09	5.09E-10
3383	495363.09, 3848377.25	9.38E-05	2.96E-08	8.61E-09	1.03E-05	3.25E-09	9.45E-10	9.55E-05	3.01E-08	8.76E-09	1.18E-05	3.73E-09	1.09E-09	9.15E-05	2.89E-08	8.40E-09	5.61E-06	1.77E-09	5.15E-10
3384	495863.09, 3848377.25	9.88E-05	3.12E-08	9.07E-09	1.09E-05	3.44E-09	1.00E-09	1.01E-04	3.18E-08	9.24E-09	1.25E-05	3.96E-09	1.15E-09	9.63E-05	3.04E-08	8.84E-09	5.95E-06	1.88E-09	5.46E-10
3385	496363.09, 3848377.25	1.08E-04	3.42E-08	9.95E-09	1.22E-05	3.85E-09	1.12E-09	1.10E-04	3.48E-08	1.01E-08	1.40E-05	4.43E-09	1.29E-09	1.05E-04	3.33E-08	9.68E-09	6.64E-06	2.10E-09	6.10E-10
3386	496863.09, 3848377.25	1.13E-04	3.58E-08	1.04E-08	1.28E-05	4.03E-09	1.17E-09	1.15E-04	3.64E-08	1.06E-08	1.47E-05	4.63E-09	1.35E-09	1.10E-04	3.48E-08	1.01E-08	6.94E-06	2.19E-09	6.37E-10
3387	497363.09, 3848377.25	1.26E-04	3.99E-08	1.16E-08	1.48E-05	4.66E-09	1.35E-09	1.29E-04	4.06E-08	1.18E-08	1.70E-05	5.36E-09	1.56E-09	1.23E-04	3.87E-08	1.12E-08	8.01E-06	2.53E-09	7.35E-10
3388	497863.09, 3848377.25	1.56E-04	4.91E-08	1.43E-08	1.98E-05	6.26E-09	1.82E-09	1.59E-04	5.01E-08	1.46E-08	2.29E-05	7.22E-09	2.10E-09	1.50E-04	4.74E-08	1.38E-08	1.07E-05	3.38E-09	9.82E-10
3389	498363.09, 3848377.25	1.62E-04	5.12E-08	1.49E-08	2.13E-05	6.73E-09	1.96E-09	1.66E-04	5.23E-08	1.52E-08	2.46E-05	7.76E-09	2.26E-09	1.56E-04	4.93E-08	1.43E-08	1.15E-05	3.62E-09	1.05E-09
3390	471363.09, 3848877.25	1.88E-04	5.92E-08	1.72E-08	2.33E-05	7.34E-09	2.14E-09	1.92E-04	6.05E-08	1.76E-08	2.69E-05	8.49E-09	2.47E-09	1.83E-04	5.78E-08	1.68E-08	1.22E-05	3.87E-09	1.12E-09
3391	471863.09, 3848877.25	1.96E-04	6.18E-08	1.80E-08	2.58E-05	8.15E-09	2.37E-09	2.00E-04	6.32E-08	1.84E-08	2.99E-05	9.42E-09	2.74E-09	1.90E-04	6.00E-08	1.75E-08	1.36E-05	4.28E-09	1.25E-09
3392	472363.09, 3848877.25	2.00E-04	6.32E-08	1.84E-08	2.84E-05	8.96E-09	2.61E-09	2.05E-04	6.48E-08	1.88E-08	3.28E-05	1.04E-08	3.01E-09	1.93E-04	6.10E-08	1.77E-08	1.49E-05	4.71E-09	1.37E-09
3393	472863.09, 3848877.25	2.03E-04	6.39E-08	1.86E-08	2.99E-05	9.45E-09	2.75E-09	2.08E-04	6.55E-08	1.91E-08	3.46E-05	1.09E-08	3.18E-09	1.95E-04	6.14E-08	1.79E-08	1.57E-05	4.96E-09	1.44E-09
3394	473363.09, 3848877.25	2.07E-04	6.53E-08	1.90E-08	3.04E-05	9.58E-09	2.79E-09	2.12E-04	6.70E-08	1.95E-08	3.51E-05	1.11E-08	3.22E-09	1.99E-04	6.28E-08	1.83E-08	1.59E-05	5.03E-09	1.46E-09
3395	473863.09, 3848877.25	2.06E-04	6.50E-08	1.89E-08	3.05E-05	9.63E-09	2.80E-09	2.11E-04	6.66E-08	1.94E-08	3.53E-05	1.11E-08	3.24E-09	1.98E-04	6.25E-08	1.82E-08	1.60E-05	5.06E-09	1.47E-09
3396	474363.09, 3848877.25	2.04E-04	6.43E-08	1.87E-08	3.08E-05	9.72E-09	2.83E-09	2.09E-04	6.60E-08	1.92E-08	3.56E-05	1.12E-08	3.27E-09	1.95E-04	6.17E-08	1.79E-08	1.62E-05	5.10E-09	1.48E-09
3397	474863.09, 3848877.25	1.86E-04	5.86E-08	1.70E-08	3.01E-05	9.49E-09	2.76E-09	1.91E-04	6.02E-08	1.75E-08	3.48E-05	1.10E-08	3.19E-09	1.77E-04	5.58E-08	1.62E-08	1.58E-05	4.98E-09	1.45E-09
3398	475363.09, 3848877.25	1.79E-04	5.65E-08	1.64E-08	2.93E-05	9.23E-09	2.69E-09	1.84E-04	5.80E-08	1.69E-08	3.38E-05	1.07E-08	3.11E-09	1.70E-04	5.37E-08	1.56E-08	1.54E-05	4.85E-09	1.41E-09
3399	475863.09, 3848877.25	2.00E-04	6.30E-08	1.83E-08	2.96E-05	9.35E-09	2.72E-09	2.05E-04	6.46E-08	1.88E-08	3.43E-05	1.08E-08	3.15E-09	1.92E-04	6.05E-08	1.76E-08	1.56E-05	4.91E-09	1.43E-09
3400	476363.09, 3848877.25	2.08E-04	6.58E-08	1.91E-08	2.83E-05	8.93E-09	2.60E-09	2.13E-04	6.73E-08	1.96E-08	3.27E-05	1.03E-08	3.00E-09	2.02E-04	6.37E-08	1.85E-08	1.49E-05	4.70E-09	1.37E-09
3401	476863.09, 3848877.25	2.09E-04	6.59E-08	1.92E-08	2.56E-05	8.08E-09	2.35E-09	2.13E-04	6.73E-08	1.96E-08	2.96E-05	9.34E-09	2.72E-09	2.04E-04	6.43E-08	1.87E-08	1.35E-05	4.25E-09	1.24E-09
3402	477363.09, 3848877.25	2.55E-04	8.05E-08	2.34E-08	2.79E-05	8.81E-09	2.56E-09	2.60E-04	8.20E-08	2.39E-08	3.23E-05	1.02E-08	2.96E-09	2.51E-04	7.93E-08	2.31E-08	1.47E-05	4.63E-09	1.35E-09
3403	477863.09, 3848877.25	2.34E-04	7.39E-08	2.15E-08	3.31E-05	1.04E-08	3.04E-09	2.40E-04	7.57E-08	2.20E-08	3.83E-05	1.21E-08	3.51E-09	2.26E-04	7.14E-08	2.08E-08	1.74E-05	5.49E-09	1.60E-09
3404	478363.09, 3848877.25	2.36E-04	7.45E-08	2.17E-08	4.47E-05	1.41E-08	4.10E-09	2.44E-04	7.69E-08	2.24E-08	5.17E-05	1.63E-08	4.75E-09	2.21E-04	6.97E-08	2.03E-08	2.34E-05	7.39E-09	2.15E-09
3405	478863.09, 3848877.25	2.03E-04	6.41E-08	1.86E-08	4.53E-05	1.43E-08	4.16E-09	2.11E-04	6.66E-08	1.94E-08	5.24E-05	1.65E-08	4.81E-09	1.86E-04	5.86E-08	1.70E-08	2.37E-05	7.49E-09	2.18E-09
3406	479363.09, 3848877.25	1.73E-04	5.47E-08	1.59E-08	3.80E-05	1.20E-08	3.49E-09	1.80E-04	5.68E-08	1.65E-08	4.39E-05	1.39E-08	4.03E-09	1.59E-04	5.01E-08	1.46E-08	1.99E-05	6.29E-09	1.83E-09
3407	479863.09, 3848877.25	1.40E-04	4.43E-08	1.29E-08	2.44E-05	7.70E-09	2.24E-09	1.44E-04	4.56E-08	1.33E-08	2.82E-05	8.89E-09	2.59E-09	1.32E-04	4.17E-08	1.21E-08	1.29E-05	4.07E-09	1.18E-09
3408	480363.09, 3848877.25	1.39E-04	4.39E-08	1.28E-08	2.40E-05	7.57E-09	2.20E-09	1.43E-04	4.52E-08	1.31E-08	2.77E-05	8.74E-09	2.54E-09	1.31E-04	4.13E-08	1.20E-08	1.27E-05	4.01E-09	1.17E-09
3409	480863.09, 3848877.25	1.40E-04	4.41E-08	1.28E-08	2.41E-05	7.60E-09	2.21E-09	1.44E-04	4.54E-08	1.32E-08	2.78E-05	8.78E-09	2.55E-09	1.31E-04	4.15E-08	1.21E-08	1.27E-05	4.02E-09	1.17E-09
3410	481363.09, 3848877.25	1.29E-04	4.08E-08	1.19E-08	2.14E-05	6.77E-09	1.97E-09	1.33E-04	4.19E-08	1.22E-08	2.48E-05	7.82E-09	2.27E-09	1.22E-04	3.85E-08	1.12E-08	1.14E-05	3.58E-09	1.04E-09
3411	481863.09, 3848877.25	1.18E-04	3.73E-08	1.09E-08	1.92E-05	6.06E-09	1.76E-09	1.22E-04	3.84E-08	1.12E-08	2.22E-05	6.99E-09	2.03E-09	1.12E-04	3.54E-08	1.03E-08	1.02E-05	3.21E-09	9.35E-10
3412	482363.09, 3848877.25	1.05E-04	3.32E-08	9.65E-09	1.50E-05	4.72E-09	1.37E-09	1.08E-04	3.40E-08	9.88E-09	1.73E-05	5.45E-09	1.58E-09	1.01E-04	3.18E-08	9.26E-09	7.98E-06	2.52E-09	7.32E-10
3413	482863.09, 3848877.25	9.48E-05	2.99E-08	8.71E-09	1.24E-05	3.91E-09	1.14E-09	9.69E-05	3.06E-08	8.90E-09	1.43E-05	4.50E-09	1.31E-09	9.15E-05	2.89E-08	8.40E-09	6.64E-06	2.09E-09	6.09E-10
3414	483363.09, 3848877.25	9.06E-05	2.86E-08	8.32E-09	1.11E-05	3.52E-09	1.02E-09	9.24E-05	2.92E-08	8.49E-09	1.28E-05	4.05E-09	1.18E-09	8.77E-05	2.77E-08	8.05E-09	6.00E-06	1.89E-09	5.51E-10
3415	483863.09, 3848877.25	9.06E-05	2.86E-08	8.32E-09	1.13E-05	3.57E-09	1.04E-09	9.25E-05	2.92E-08	8.49E-09	1.30E-05	4.11E-09	1.20E-09	8.75E-05	2.76E-08	8.04E-09	6.10E-06	1.92E-09	5.60E-10
3416	484363.09, 3848877.25	9.84E-05	3.11E-08	9.04E-09	1.29E-05	4.06E-09	1.18E-09	1.01E-04	3.17E-08	9.23E-09	1.48E-05	4.68E-09	1.36E-09	9.48E-05	2.99E-08	8.70E-09	6.92E-06	2.18E-09	6.35E-10
3417	484863.09, 3848877.25	1.09E-04	3.45E-08	1.00E-08	1.44E-05	4.55E-09	1.32E-09	1.12E-04	3.53E-08	1.03E-08	1.66E-05	5.24E-09	1.53E-09	1.05E-04	3.32E-08	9.66E-09	7.76E-06	2.45E-09	7.13E-10
3418	485363.09, 3848877.25	1.10E-04	3.48E-08	1.01E-08	1.39E-05	4.38E-09	1.27E-09	1.13E-04	3.56E-08	1.03E-08	1.60E-05	5.04E-09	1.47E-09	1.06E-04	3.36E-08	9.77E-09	7.49E-06	2.36E-09	6.88E-10
3419	485863.09, 3848877.25	1.04E-04	3.28E-08	9.54E-09	1.24E-05	3.92E-09	1.14E-09	1.06E-04	3.34E-08	9.73E-09	1.43E-05	4.51E-09	1.31E-09	1.01E-04	3.17E-08	9.23E-09	6.73E-06	2.12E-09	6.17E-10
3420	486363.09, 3848877.25	9.54E-05	3.01E-08	8.76E-09	1.09E-05	3.45E-09	1.00E-09	9.72E-05	3.07E-08	8.93E-09	1.26E-05	3.97E-09	1.15E-09	9.28E-05	2.93E-08	8.52E-09	5.92E-06	1.87E-09	5.43E-10
3421	486863.09, 3848877.25	8.93E-05	2.82E-08	8.20E-09	1.03E-05	3.25E-09	9.44E-10	9.10E-05	2.87E-08	8.36E-09	1.18E-05	3.74E-09	1.09E-09	8.69E-05	2.74E-08	7.97E-09	5.57E-06	1.76E-09	5.11E-10
3422	487363.09, 3848877.25	8.56E-05	2.70E-08	7.86E-09	9.93E-06	3.13E-09	9.12E-10	8.72E-05	2.75E-08	8.01E-09	1.14E-05	3.61E-09	1.05E-09	8.32E-05	2.63E-08	7.64E-09	5.37E-06	1.70E-09	4.93E-10
3423	487863.09, 3848877.25	8.29E-05	2.62E-08	7.61E-09	9.34E-06	2.95E-09	8.57E-10	8.44E-05	2.66E-08	7.75E-09	1.07E-05	3.39E-09	9.87E-10	8.07E-05	2.55E-08	7.41E-09	5.06E-06	1.60E-09	4.65E-10
3424	488363.09, 3848877.25	8.52E-05	2.69E-08	7.83E-09	9.33E-06	2.94E-09	8.56E-10	8.68E-05	2.74E-08	7.97E-09	1.07E-05	3.39E-09	9.85E-10	8.31E-05	2.62E-08	7.63E-09	5.07E-06	1.60E-09	4.66E-10
3425	488863.09, 3848877.25	8.74E-05	2.76E-08	8.03E-09	9.33E-06	2.94E-09	8.56E-10	8.90E-05	2.81E-08	8.17E-09	1.07E-05	3.39E-09	9.85E-10	8.53E-05	2.69E-08	7.83E-09	5.09E-06	1.61E-09	4.67E-10
3426	489363.09, 3848877.25	9.13E-05	2.88E-08	8.38E-09	9.58E-06	3.02E-09	8.80E-10	9.29E-05	2.93E-08	8.52E-09	1.10E-05	3.48E-09	1.01E-09	8.92E-05	2.81E-08	8.19E-09	5.24E-06	1.65E-09	4.81E-10
3427	489863.09, 3848877.25	9.46E-05	2.99E-08	8.68E-09	1.01E-05	3.19E-09	9.28E-10	9.62E-05	3.04E-08	8.84E-09	1.16E-05	3.67E-09	1.07E-09	9.23E-05	2.91E-08	8.47E-09	5.51E-06	1.74E-09	5.06E-10
3428	490363.09, 3848877.25	9.23E-05	2.91E-08	8.47E-09	1.01E-05	3.17E-09	9.23E-10	9.39E-05	2.96E-08	8.62E-09	1.16E-05	3.65E-09	1.06E-09	8.99E-05	2.84E-08	8.26E-09	5.48E-06	1.73E-09	5.03E-10

3429	490863.09, 3848877.25	9.21E-05	2.91E-08	8.46E-09	1.01E-05	3.20E-09	9.30E-10	9.38E-05	2.96E-08	8.61E-09	1.17E-05	3.68E-09	1.07E-09	8.98E-05	2.83E-08	8.24E-09	5.52E-06	1.74E-09	5.07E-10
3430	491363.09, 3848877.25	9.37E-05	2.96E-08	8.60E-09	1.03E-05	3.26E-09	9.48E-10	9.54E-05	3.01E-08	8.76E-09	1.19E-05	3.75E-09	1.09E-09	9.13E-05	2.88E-08	8.38E-09	5.63E-06	1.78E-09	5.17E-10
3431	491863.09, 3848877.25	9.27E-05	2.93E-08	8.51E-09	1.02E-05	3.22E-09	9.38E-10	9.44E-05	2.98E-08	8.67E-09	1.17E-05	3.71E-09	1.08E-09	9.04E-05	2.85E-08	8.30E-09	5.57E-06	1.76E-09	5.11E-10
3432	492363.09, 3848877.25	9.09E-05	2.87E-08	8.34E-09	1.01E-05	3.19E-09	9.27E-10	9.25E-05	2.92E-08	8.49E-09	1.16E-05	3.66E-09	1.07E-09	8.85E-05	2.79E-08	8.13E-09	5.50E-06	1.74E-09	5.05E-10
3433	492863.09, 3848877.25	8.75E-05	2.76E-08	8.03E-09	9.74E-06	3.08E-09	8.94E-10	8.91E-05	2.81E-08	8.18E-09	1.12E-05	3.54E-09	1.03E-09	8.53E-05	2.69E-08	7.83E-09	5.31E-06	1.68E-09	4.87E-10
3434	493363.09, 3848877.25	8.62E-05	2.72E-08	7.91E-09	9.48E-06	2.99E-09	8.70E-10	8.77E-05	2.77E-08	8.05E-09	1.09E-05	3.44E-09	1.00E-09	8.40E-05	2.65E-08	7.72E-09	5.17E-06	1.63E-09	4.75E-10
3435	493863.09, 3848877.25	9.11E-05	2.88E-08	8.36E-09	1.01E-05	3.18E-09	9.26E-10	9.28E-05	2.93E-08	8.52E-09	1.16E-05	3.66E-09	1.06E-09	8.88E-05	2.80E-08	8.16E-09	5.49E-06	1.73E-09	5.04E-10
3436	494363.09, 3848877.25	9.55E-05	3.01E-08	8.76E-09	1.06E-05	3.35E-09	9.75E-10	9.72E-05	3.07E-08	8.92E-09	1.22E-05	3.85E-09	1.12E-09	9.31E-05	2.94E-08	8.54E-09	5.78E-06	1.82E-09	5.30E-10
3437	494863.09, 3848877.25	1.03E-04	3.24E-08	9.43E-09	1.16E-05	3.68E-09	1.07E-09	1.05E-04	3.30E-08	9.61E-09	1.34E-05	4.23E-09	1.23E-09	1.00E-04	3.16E-08	9.18E-09	6.33E-06	2.00E-09	5.81E-10
3438	495363.09, 3848877.25	1.10E-04	3.46E-08	1.01E-08	1.26E-05	3.98E-09	1.16E-09	1.12E-04	3.53E-08	1.03E-08	1.45E-05	4.58E-09	1.33E-09	1.07E-04	3.36E-08	9.79E-09	6.85E-06	2.16E-09	6.29E-10
3439	495863.09, 3848877.25	1.11E-04	3.49E-08	1.02E-08	1.27E-05	4.00E-09	1.16E-09	1.13E-04	3.56E-08	1.03E-08	1.46E-05	4.60E-09	1.34E-09	1.08E-04	3.39E-08	9.87E-09	6.89E-06	2.17E-09	6.32E-10
3440	496363.09, 3848877.25	1.18E-04	3.73E-08	1.08E-08	1.36E-05	4.30E-09	1.25E-09	1.20E-04	3.80E-08	1.11E-08	1.57E-05	4.95E-09	1.44E-09	1.15E-04	3.62E-08	1.05E-08	7.40E-06	2.34E-09	6.80E-10
3441	496863.09, 3848877.25	1.32E-04	4.18E-08	1.22E-08	1.57E-05	4.97E-09	1.44E-09	1.35E-04	4.26E-08	1.24E-08	1.81E-05	5.72E-09	1.66E-09	1.28E-04	4.05E-08	1.18E-08	8.53E-06	2.69E-09	7.83E-10
3442	497363.09, 3848877.25	1.58E-04	4.98E-08	1.45E-08	2.01E-05	6.35E-09	1.85E-09	1.61E-04	5.09E-08	1.48E-08	2.32E-05	7.32E-09	2.13E-09	1.52E-04	4.81E-08	1.40E-08	1.09E-05	3.43E-09	9.97E-10
3443	497863.09, 3848877.25	1.72E-04	5.43E-08	1.58E-08	2.30E-05	7.27E-09	2.11E-09	1.76E-04	5.55E-08	1.62E-08	2.65E-05	8.38E-09	2.44E-09	1.66E-04	5.22E-08	1.52E-08	1.24E-05	3.91E-09	1.14E-09
3444	498363.09, 3848877.25	1.83E-04	5.78E-08	1.68E-08	2.57E-05	8.12E-09	2.36E-09	1.88E-04	5.92E-08	1.72E-08	2.97E-05	9.36E-09	2.72E-09	1.76E-04	5.54E-08	1.61E-08	1.38E-05	4.35E-09	1.27E-09
3445	471363.09, 3849377.25	1.91E-04	6.03E-08	1.75E-08	2.28E-05	7.21E-09	2.10E-09	1.95E-04	6.15E-08	1.79E-08	2.64E-05	8.33E-09	2.42E-09	1.87E-04	5.90E-08	1.72E-08	1.20E-05	3.80E-09	1.10E-09
3446	471863.09, 3849377.25	2.04E-04	6.44E-08	1.87E-08	2.44E-05	7.71E-09	2.24E-09	2.08E-04	6.58E-08	1.91E-08	2.82E-05	8.91E-09	2.59E-09	2.00E-04	6.31E-08	1.83E-08	1.29E-05	4.06E-09	1.18E-09
3447	472363.09, 3849377.25	2.12E-04	6.68E-08	1.94E-08	2.64E-05	8.34E-09	2.43E-09	2.16E-04	6.82E-08	1.98E-08	3.05E-05	9.64E-09	2.80E-09	2.06E-04	6.51E-08	1.89E-08	1.39E-05	4.38E-09	1.28E-09
3448	472863.09, 3849377.25	2.18E-04	6.89E-08	2.01E-08	2.92E-05	9.21E-09	2.68E-09	2.23E-04	7.05E-08	2.05E-08	3.37E-05	1.07E-08	3.10E-09	2.12E-04	6.69E-08	1.95E-08	1.53E-05	4.84E-09	1.41E-09
3449	473363.09, 3849377.25	2.22E-04	7.00E-08	2.04E-08	3.19E-05	1.01E-08	2.93E-09	2.27E-04	7.17E-08	2.09E-08	3.69E-05	1.16E-08	3.39E-09	2.14E-04	6.74E-08	1.96E-08	1.68E-05	5.29E-09	1.54E-09
3450	473863.09, 3849377.25	2.25E-04	7.12E-08	2.07E-08	3.35E-05	1.06E-08	3.08E-09	2.31E-04	7.30E-08	2.12E-08	3.88E-05	1.22E-08	3.56E-09	2.17E-04	6.83E-08	1.99E-08	1.76E-05	5.56E-09	1.62E-09
3451	474363.09, 3849377.25	2.28E-04	7.18E-08	2.09E-08	3.41E-05	1.08E-08	3.13E-09	2.33E-04	7.37E-08	2.14E-08	3.94E-05	1.24E-08	3.62E-09	2.19E-04	6.90E-08	2.01E-08	1.79E-05	5.65E-09	1.64E-09
3452	474863.09, 3849377.25	2.26E-04	7.13E-08	2.07E-08	3.44E-05	1.09E-08	3.16E-09	2.32E-04	7.31E-08	2.13E-08	3.98E-05	1.26E-08	3.65E-09	2.16E-04	6.83E-08	1.99E-08	1.81E-05	5.70E-09	1.66E-09
3453	475363.09, 3849377.25	2.19E-04	6.90E-08	2.01E-08	3.45E-05	1.09E-08	3.16E-09	2.24E-04	7.08E-08	2.06E-08	3.99E-05	1.26E-08	3.66E-09	2.09E-04	6.59E-08	1.92E-08	1.81E-05	5.71E-09	1.66E-09
3454	475863.09, 3849377.25	2.23E-04	7.05E-08	2.05E-08	3.44E-05	1.09E-08	3.16E-09	2.29E-04	7.23E-08	2.10E-08	3.98E-05	1.26E-08	3.65E-09	2.14E-04	6.75E-08	1.96E-08	1.81E-05	5.70E-09	1.66E-09
3455	476363.09, 3849377.25	2.46E-04	7.77E-08	2.26E-08	3.43E-05	1.08E-08	3.15E-09	2.52E-04	7.95E-08	2.31E-08	3.97E-05	1.25E-08	3.64E-09	2.38E-04	7.51E-08	2.18E-08	1.80E-05	5.68E-09	1.65E-09
3456	476863.09, 3849377.25	2.69E-04	8.49E-08	2.47E-08	3.36E-05	1.06E-08	3.08E-09	2.75E-04	8.67E-08	2.52E-08	3.88E-05	1.23E-08	3.57E-09	2.62E-04	8.28E-08	2.41E-08	1.76E-05	5.56E-09	1.62E-09
3457	477363.09, 3849377.25	2.76E-04	8.71E-08	2.53E-08	3.15E-05	9.94E-09	2.89E-09	2.81E-04	8.88E-08	2.58E-08	3.64E-05	1.15E-08	3.34E-09	2.71E-04	8.55E-08	2.49E-08	1.65E-05	5.22E-09	1.52E-09
3458	477863.09, 3849377.25	2.69E-04	8.48E-08	2.47E-08	3.07E-05	9.67E-09	2.81E-09	2.74E-04	8.65E-08	2.52E-08	3.54E-05	1.12E-08	3.25E-09	2.64E-04	8.33E-08	2.42E-08	1.61E-05	5.09E-09	1.48E-09
3459	478363.09, 3849377.25	2.65E-04	8.37E-08	2.43E-08	3.71E-05	1.17E-08	3.41E-09	2.71E-04	8.57E-08	2.49E-08	4.29E-05	1.36E-08	3.94E-09	2.56E-04	8.08E-08	2.35E-08	1.95E-05	6.15E-09	1.79E-09
3460	478863.09, 3849377.25	2.45E-04	7.72E-08	2.25E-08	4.90E-05	1.55E-08	4.50E-09	2.53E-04	7.99E-08	2.32E-08	5.67E-05	1.79E-08	5.20E-09	2.27E-04	7.18E-08	2.09E-08	2.56E-05	8.09E-09	2.35E-09
3461	479363.09, 3849377.25	2.22E-04	7.00E-08	2.04E-08	5.09E-05	1.61E-08	4.68E-09	2.31E-04	7.28E-08	2.12E-08	5.89E-05	1.86E-08	5.41E-09	2.02E-04	6.37E-08	1.85E-08	2.67E-05	8.42E-09	2.45E-09
3462	479863.09, 3849377.25	1.86E-04	5.86E-08	1.70E-08	4.07E-05	1.28E-08	3.73E-09	1.92E-04	6.07E-08	1.77E-08	4.70E-05	1.48E-08	4.32E-09	1.70E-04	5.36E-08	1.56E-08	2.13E-05	6.74E-09	1.96E-09
3463	480363.09, 3849377.25	1.91E-04	6.02E-08	1.75E-08	3.48E-05	1.10E-08	3.20E-09	1.97E-04	6.20E-08	1.80E-08	4.03E-05	1.27E-08	3.70E-09	1.79E-04	5.63E-08	1.64E-08	1.84E-05	5.79E-09	1.69E-09
3464	480863.09, 3849377.25	1.77E-04	5.59E-08	1.62E-08	3.21E-05	1.01E-08	2.95E-09	1.82E-04	5.76E-08	1.67E-08	3.71E-05	1.17E-08	3.40E-09	1.66E-04	5.23E-08	1.52E-08	1.69E-05	5.35E-09	1.56E-09
3465	481363.09, 3849377.25	1.48E-04	4.66E-08	1.35E-08	2.57E-05	8.10E-09	2.36E-09	1.52E-04	4.79E-08	1.39E-08	2.97E-05	9.36E-09	2.72E-09	1.39E-04	4.38E-08	1.27E-08	1.36E-05	4.28E-09	1.25E-09
3466	481863.09, 3849377.25	1.18E-04	3.72E-08	1.08E-08	1.83E-05	5.78E-09	1.68E-09	1.21E-04	3.82E-08	1.11E-08	2.12E-05	6.68E-09	1.94E-09	1.12E-04	3.54E-08	1.03E-08	9.74E-06	3.07E-09	8.94E-10
3467	482363.09, 3849377.25	1.09E-04	3.44E-08	1.00E-08	1.56E-05	4.91E-09	1.43E-09	1.12E-04	3.52E-08	1.02E-08	1.80E-05	5.67E-09	1.65E-09	1.04E-04	3.29E-08	9.58E-09	8.30E-06	2.62E-09	7.62E-10
3468	482863.09, 3849377.25	9.71E-05	3.07E-08	8.92E-09	1.26E-05	3.99E-09	1.16E-09	9.92E-05	3.13E-08	9.11E-09	1.46E-05	4.60E-09	1.34E-09	9.37E-05	2.96E-08	8.61E-09	6.78E-06	2.14E-09	6.23E-10
3469	483363.09, 3849377.25	9.35E-05	2.95E-08	8.58E-09	1.16E-05	3.65E-09	1.06E-09	9.54E-05	3.01E-08	8.76E-09	1.33E-05	4.20E-09	1.22E-09	9.05E-05	2.86E-08	8.31E-09	6.22E-06	1.96E-09	5.71E-10
3470	483863.09, 3849377.25	8.88E-05	2.80E-08	8.16E-09	1.04E-05	3.29E-09	9.58E-10	9.06E-05	2.86E-08	8.31E-09	1.20E-05	3.79E-09	1.10E-09	8.62E-05	2.72E-08	7.92E-09	5.65E-06	1.78E-09	5.18E-10
3471	484363.09, 3849377.25	1.06E-04	3.35E-08	9.75E-09	1.45E-05	4.58E-09	1.33E-09	1.09E-04	3.43E-08	9.97E-09	1.67E-05	5.28E-09	1.54E-09	1.02E-04	3.22E-08	9.35E-09	7.80E-06	2.46E-09	7.16E-10
3472	484863.09, 3849377.25	1.20E-04	3.80E-08	1.11E-08	1.72E-05	5.43E-09	1.58E-09	1.23E-04	3.89E-08	1.13E-08	1.98E-05	6.26E-09	1.82E-09	1.15E-04	3.63E-08	1.06E-08	9.21E-06	2.91E-09	8.46E-10
3473	485363.09, 3849377.25	1.24E-04	3.91E-08	1.14E-08	1.67E-05	5.26E-09	1.53E-09	1.27E-04	4.00E-08	1.16E-08	1.92E-05	6.06E-09	1.76E-09	1.19E-04	3.75E-08	1.09E-08	8.96E-06	2.83E-09	8.23E-10
3474	485863.09, 3849377.25	1.05E-04	3.32E-08	9.66E-09	1.22E-05	3.84E-09	1.12E-09	1.07E-04	3.38E-08	9.84E-09	1.40E-05	4.42E-09	1.29E-09	1.02E-04	3.22E-08	9.36E-09	6.62E-06	2.09E-09	6.07E-10
3475	486363.09, 3849377.25	9.22E-05	2.91E-08	8.46E-09	9.98E-06	3.15E-09	9.16E-10	9.38E-05	2.96E-08	8.61E-09	1.15E-05	3.62E-09	1.05E-09	8.99E-05	2.84E-08	8.25E-09	5.44E-06	1.72E-09	4.99E-10
3476	486863.09, 3849377.25	9.76E-05	3.08E-08	8.96E-09	1.16E-05	3.67E-09	1.07E-09	9.95E-05	3.14E-08	9.13E-09	1.34E-05	4.23E-09	1.23E-09	9.47E-05	2.99E-08	8.69E-09	6.29E-06	1.98E-09	5.77E-10
3477	487363.09, 3849377.25	9.56E-05	3.02E-08	8.78E-09	1.14E-05	3.60E-09	1.05E-09	9.75E-05	3.08E-08	8.95E-09	1.31E-05	4.14E-09	1.21E-09	9.28E-05	2.93E-08	8.52E-09	6.15E-06	1.94E-09	5.65E-10
3478	487863.09, 3849377.25	9.37E-05	2.96E-08	8.60E-09	1.11E-05	3.52E-09	1.02E-09	9.55E-05	3.02E-08	8.77E-09	1.28E-05	4.05E-09	1.18E-09	9.10E-05	2.87E-08	8.35E-09	6.02E-06	1.90E-09	5.52E-10
3479	488363.09, 3849377.25	9.57E-05	3.02E-08	8.79E-09	1.10E-05	3.47E-09	1.01E-09	9.75E-05	3.08E-08	8.95E-09	1.26E-05	3.99E-09	1.16E-09	9.31E-05	2.94E-08	8.55E-09	5.95E-06	1.88E-09	5.46E-10
3480	488863.09, 3849377.25	9.99E-05	3.15E-08	9.17E-09	1.14E-05	3.58E-09	1.04E-09	1.02E-04	3.21E-08	9.34E-09	1.31E-05	4.12E-09	1.20E-09	9.72E-05	3.07E-08	8.92E-09	6.16E-06	1.95E-09	5.66E-10
3481	489363.09, 3849377.25	1.04E-04	3.29E-08	9.58E-09	1.18E-05	3.72E-09	1.08E-09	1.06E-04	3.35E-08	9.75E-09	1.36E-05	4.28E-09	1.25E-09	1.01E-04	3.20E-08	9.31E-09	6.41E-06	2.02E-09	5.88E-10
3482	489863.09, 3849377.25	1.06E-04	3.33E-08	9.70E-09	1.20E-05	3.80E-09	1.10E-09	1.08E-04	3.40E-08	9.88E-09	1.38E-05	4.37E-09	1.27E-09	1.03E-04	3.24E-08	9.43E-09	6.53E-06	2.06E-09	6.00E-10
3483	490363.09, 3849377.25	1.03E-04	3.24E-08	9.43E-09	1.18E-05	3.73E-09	1.09E-09	1.05E-04	3.30E-08	9.61E-09	1.36E-05	4.30E-09	1.25E-09	9.98E-05	3.15E-08	9.16E-09	6.42E-06	2.03E-09	5.90E-10
3484	490863.09, 3849377.25	1.04E-04	3.29E-08	9.56E-09	1.20E-05	3.80E-09	1.10E-09	1.06E-04	3.35E-08	9.75E-09	1.38E-05	4.37E-09	1.27E-09	1.01E-04	3.19E-08	9.29E-09	6.54E-06	2.06E-09	6.00E-10
3485	491363.09, 3849377.25	1.06E-04	3.35E-08	9.76E-09	1.22E-05	3.85E-09	1.12E-09	1.08E-04	3.42E-08	9.94E-09	1.40E-05	4.42E-09	1.29E-09	1.03E-04	3.26E-08	9.48E-09	6.62E-06	2.09E-09	6.08E-10
3486	491863.09, 3849377.25	1.04E-04	3.28E-08	9.54E-09	1.19E-05	3.77E-09	1.10E-09	1.06E-04	3.34E-08	9.72E-09	1.37E-05	4.34E-09	1.26E-09	1.01E-04	3.19E-08	9.27E-09	6.49E-06	2.05E-09	5.95E-10
3487	492363.09, 3849377.25	1.02E-04	3.21E-08	9.35E-09	1.18E-05	3.72E-09	1.08E-09	1.04E-04	3.28E-08	9.53E-09	1.36E-05	4.28E-09	1.25E-09	9.90E-05	3.12E-08	9.09E-09	6.40E-06	2.02E-09	5.88E-10
3488	492863.09, 3849377.25	9.76E-05	3.08E-08	8.96E-09	1.11E-05	3.52E-09	1.02E-09	9.94E-05	3.14E-08	9.12E-09	1.28E-05	4.05E-09	1.18E-09	9.49E-05	3.00E-08	8.71E-09	6.06E-06	1.91E-09	5.56E-10
3489	493363.09, 3849377.25	9.97E-05	3.15E-08	9.16E-09	1.14E-05	3.60E-09	1.05E-09	1.02E-04	3.21E-08	9.33E-09	1.31E-05	4.14E-09	1.21E-09	9.71E-05	3.06E-08	8.91E-09	6.20E-06	1.96E-09	5.69E-10
3490	493863.09, 3849377.25	1.04E-04	3.28E-08	9.53E-09	1.19E-05	3.76E-09	1.09E-09	1.06E-04	3.34E-08	9.71E-09	1.37E-05	4.32E-09	1.26E-09	1.01E-04	3.19E-08	9.27E-09	6.46E-06	2.04E-09	5.93E-10
3491	494363.09, 3849377.25	1.12E-04	3.53E-08	1.03E-08	1.30E-05	4.12E-09	1.20E-09	1.14E-04	3.59E-08	1.05E-08	1.50E-05	4.74E-09	1.38E-09	1.09E-04	3.43E-08	9.97E-09	7.07E-06	2.23E-09	6.49E-10
3492	494863.09, 3849377.25	1.28E-04	4.03E-08	1.17E-08	1.56E-05	4.92E-09	1.43E-09	1.30E-04	4.11E-08	1.20E-08	1.79E-05	5.66E-09	1.65E-09	1.24E-04	3.90E-08	1.13E-08	8.42E-06	2.66E-09	7.73E-10
3493	495363.09, 3849377.25	1.38E-04	4.35E-08	1.26E-08	1.72E-05	5.43E-09	1.58E-09	1.41E-04	4.44E-08	1.29E-08	1.98E-05	6.25E-09	1.82E-09	1.33E-04	4.20E-08	1.22E-08	9.29E-06	2.93E-09	8.53E-10
3494	495863.09, 3849377.25	1.28E-04	4.03E-08	1.17E-08	1.52E-05	4.80E-09	1.40E-09	1.30E-04	4.11E-08	1.20E-08	1.75E-05	5.52E-09	1.61E-09	1.24E-04	3.91E-08	1.14E-08	8.25E-06	2.60E-09	7.57E-10